ROLL NO 1

THE OFFICIAL GAZETTE

U S PAT OFF

1949

MICROFILMED
BY
MICRO PHOTO
SERVICE BUREAU
CINCINNATI, OHIO

January 4, 1949 Volume 618 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of

Total number of patent applications awaiting action, 153,948. Date o

Contents

	Page
Issue of January 4, 1949	2
Patents Expiring	2
Applications Under Examination	3
Notices	
Errata	5
Adjudicated Patents	5
Interference Notice	5
Cancellation Notice	5
Disclaimers	5
Classification Order Nos. 39, 40, 41 and 42	6, 11
Register of Patents Available for Licensing or Sale	12
Trade-Marks	
Published (223 Applications)	27
Registrations Granted	53
Registrations Renewed	68
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	70
Registrations—New Certificates	71
Registrations Republished (499 Registrations)	71
Reissues	133
Plant Patents	134
Patents Granted	135
Designs	314

January 4, 1949

Trade-Marks	72—No.	441,742 to No.	441,813, inclusive
T. M. (Act of 1946)	233—No.	505,324 to No.	505,556, inclusive
T. M. Renewals	52		
Reissues	5—No.	23,068 to No.	23,072, inclusive
Plant Patents	1—No.	818	
Patents	697—No.	2,457,797 to No.	2,458,493, inclusive
Designs	78—No.	152,235 to No.	152,312, inclusive
Total	1,138		

Patents expiring: Patent Numbers 1,839,190 to 1,840,295, inclusive, issued January 5, 1932, expire January 5, 1949

Condition of Applications Under Examination at Close of Business Dec. 17, 1948

Total number of patent applications awaiting action, 153,948. Date of oldest new application, December 5, 1946; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	7-2-47	5-15-47	3634
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-25-47	11-26-46	3026
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-20-48	3-23-48	1255
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	4-11-47	3-12-47	4138
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	7-8-47	1-4-47	1652
6. SURLE, H., Carbon Chemistry (part)	2-25-48	11-12-47	1949
7. HANLIN, GEORGE, Optics; Photographic Apparatus	3-18-48	12-26-47	1646
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	3-24-47	1-17-47	4476
9. BENSON, E. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-11-47	2-24-47	2470
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Peizo-electric Crystals.	3-22-48	1-24-48	1533
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	4-5-48	4-5-48	811
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	12-31-47	10-11-46	2231
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-5-46	12-23-46	2403
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-16-48	12-5-47	1341
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	9-16-47	6-19-47	1923
16. LOVEWELL, N. N., Television, Telephony	3-23-48	8-26-47	1646
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Assorting or Folding; Sheet or Web Feeding.	6-10-47	11-3-46	2136
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	10-1-47	12-19-46	2122
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1861
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Leaks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	6-22-47	3-20-47	2089
21. MADER, R. C., Textiles	12-31-47	10-27-47	1240
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	1-2-48	5-11-47	1723
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-5-48	12-21-46	1184
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	11-14-47	11-5-47	2803
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-22-48	5-5-47	1746
26. YOUNG, R. R., Electricity—Generation, Motive Power; Transmission to Vehicles; Elevators	9-17-47	3-7-47	1263
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	7-22-47	2-12-47	2667
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	2-18-48	12-5-47	918
29. SKLAREN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-21-47	4-17-47	3204
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	3-17-48	1-26-48	1689
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-10-48	4-8-48	2079
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	5-18-47	11-6-46	3234
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	4-10-47	1-14-47	3668
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	3-11-47	2-3-47	1368
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	2-18-47	12-31-46	3472
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	12-6-46	2004
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	3-5-48	5-16-47	1361
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	10-6-47	8-25-47	1542
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	3-16-47	9-9-46	2094
40. DRUMMOND, E. J., Receptacles (part); Packages	2-12-48	3-3-47	3273
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-48	11-20-46	2267
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	4-24-48	3-17-48	1169
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	3-20-48	1-21-48	1192
44. HARVEY, L. P., Refrigeration; Preserving	12-19-46	10-15-46	1019
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-1-47	1-8-47	3626
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	9-29-47	1-16-47	1886

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,948. Date of oldest new application, December 5, 1946; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	2-24-48	9-4-47	2190
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	3-24-48	7-1-47	1473
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	10-24-47	10-15-47	1522
50. LEVIN, SAMUEL, Synthetic Resins	4-2-48	12-11-47	2142
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-20-47	12-13-47	1647
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	11-17-47	1-13-47	3363
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable	6-27-47	11-14-46	3667
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-19-48	8-18-47	1680
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	12-18-47	11-4-47	1884
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	4-15-48	1-24-48	903
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	7-10-47	2-7-47	3546
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	4-1-47	1973
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	10-30-47	9-26-46	1593
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-17-48	11-15-47	1276
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-10-47	9-9-46	3793
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-5-48	4-25-47	1686
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-5-48	9-23-47	1840
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous	5-18-48	5-18-48	1552
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-22-48	9-23-47	2296
66. LISANN, I., Geometrical Instruments	9-19-47	4-18-46	2027
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	2-3-48	7-19-47	1974
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-3-48	11-13-47	1503
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording: Recorders.	8-8-47	2-28-47	2130
70. BREWBINK, J. I., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts)	12-24-46	10-26-46	975
DESIGNS: BREHM, G. L.	4-14-47	4-8-48	7275

Total number of trade-mark applications awaiting action (including renewals and republications), 36,670. Date of oldest new application, Oct. 10, 1947; date of oldest amended application, Apr. 17, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application action by applicant awaiting Office action	Oldest amended application action by applicant awaiting Office action	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-15-48	8-3-48	3145
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	10-30-47	6-22-48	5570
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-10-47	7-6-48	5031
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-28-47	5-14-48	4618
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-4-47	6-4-48	3587
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-18-48	10-9-48	3185
7. KEYS, C. M., Classes 16, 19, 55	12-6-47	4-17-48	2160
8. GEDIMAN, H. W. (Renewals, Republications) All Classes	1-2-48	11-16-48	137
	1-2-48	11-16-48	8028

NOTICES

Errata

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration Number 355,860 appearing in the OFFICIAL GAZETTE of November 16, 1948, page 632, for "Republished by registrant," read *Republished by General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, New York, a corporation of New York.*

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration Number 355,861 appearing in the OFFICIAL GAZETTE of November 16, 1948, page 633, for "Republished by registrant," read *Republished by General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, New York, a corporation of New York.*

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration Number 354,571 appearing in the OFFICIAL GAZETTE of November 16, 1948, page 637, for "Republished by registrant," read *Republished by General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, New York, a corporation of New York.*

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration Number 354,572 appearing in the OFFICIAL GAZETTE of November 16, 1948, page 637, for "Republished by registrant," read *Republished by General Chemical Company, now by merger Allied Chemical & Dye Corporation, New York, New York, a corporation of New York.*

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 431,500, appearing in the OFFICIAL GAZETTE of Oct. 12, 1948, page 332, for, "Registered June 22, 1947," read, *Registered July 22, 1947.*

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 50,335, appearing in the OFFICIAL GAZETTE of Oct. 26, 1948, page 925, for "A Corporation of California," read, *A Corporation of New York.*

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 225,425, registered Mar. 15, 1927, Class 45, Orange Smile Sirup Company, Inc., St. Louis, Mo., appearing in the OFFICIAL GAZETTE of May 25, 1948, page 879, was inadvertent and is vacated.

Adjudicated Patents

(D. C. Mich.) Schwarzkopf reissue patent, No. 22,073, for a hard metal tool alloy, *Held* not infringed. *American Cutting Alloys, Inc.*, v. *Carboloy Company, Inc.*, 80 F. Supp. 467; 79 USPQ 51.

(D. C. Mich.) Schwarzkopf reissue patent, No. 22,074, for method of producing a hard metal alloy, *Held* invalid. *Id.*

(D. C. Mich.) Schwarzkopf reissue patent, No. 22,166, for a hard metal alloy, *Held* not infringed. *Id.*

(D. C. Mich.) Schwarzkopf reissue patent, No. 22,207, for production of hard metal alloys, especially for tools, *Held* valid and infringed. *Id.*

Interference Notice

William Henry Dean, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,438,777, granted March 30, 1948, to William Henry Dean, 18, Cleveland Ave., Darlington, County Durham, England, and the application for patent of Joseph J. Mohr, Route 1, Encinitas, Calif., and a notice of such declaration sent by registered mail to said Dean at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dean, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 9, 1948.

Cancellation Notice

Les Parfums Marly, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Wolf Drug Company, 21 West Park St., Newark, N. J., to effect the cancellation of trade-mark registration of Les Parfums Marly, Inc., 610 Fifth Ave., New York, N. Y., No. 315,639, dated August 7, 1934. Regent Laboratories, Inc., New York, N. Y., has been joined as a respondent party to defend the right of registration evidenced thereby. The notice of this proceeding sent by registered mail to the said Les Parfums Marly, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Les Parfums Marly, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

December 8, 1948.

Disclaimers

2,072,416.—*Edward C. Berndt*, Norwalk, and *Harry M. Creighton*, East Norwalk, Conn. METHOD OF IRRADIATING SUBSTANCES WITH ACTIVE RAYS. Patent dated Mar. 2, 1937. Disclaimer filed Dec. 8, 1948, by the assignee, *The E. U. V. Engineering Corporation.*

Hereby enters this disclaimer to claims 13 to 18 inclusive of said patent.

2,409,038.—*Clarence W. Hansell*, Port Jefferson, N. Y. MAGNETRON AND CIRCUIT THEREFOR. Patent dated Oct. 8, 1946. Disclaimer filed Dec. 1, 1948, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claim 23 of said patent.

Vol. 618 • No. 1 Tuesday, January 4, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Classification Order No. 39

November 24, 1948

The following changes in the classification of inventions are hereby directed to take effect immediately:

ABOLISH SUBCLASSES

In *class 260, Chemistry, Carbon Compounds* (Division 50)

Synthetic resins
- 74 Halogenated aromatic compounds
- Polymerized unsaturated compounds
- 83 Polyacrylyl or polyalkacrylyl
- 84 Interpolymers
- 84.5 With diolefines or cyclo- or halo-diolefines
- 85 Polyvinyl
- 86 Interpolymers
- 86.5 With diolefines or cyclo- or halo-diolefines
- 87 From vinylcarboxylate
- 88 From vinylhalide
- 90 Polyvinyl alcohol or ether
- 91 From styrenes
- 92 From acetylenes
- 92.5 From vinylidene compounds
- 92.6 From polyene compounds
- 92.7 Halo-butadienes (e. g., chloroprene)
- 93 Diolefines (e. g., synthetic rubber)
- 94 From mono-olefines
- 94.5 With sulfoxy compound

CHANGE SUBCLASS TITLES

In *class 74, Machine Elements and Mechanisms*, change the title of subclass 10 to read:

10 Dial shaft operators

In *class 179, Telephony*, change the title of subclass 2.5 to read:

Systems
- Composite
- 2.5 Superaudible telephone carrier

In *class 241, Solid Material Comminution or Disintegration*, change the title of subclass 101 to read:

Apparatus
- 101 Combined or convertible

In *class 260, Chemistry, Carbon Compounds*, change the title of subclass 79 to read:

Synthetic resins
- 79 Sulfur-containing

ESTABLISH SUBCLASSES

In *class 23, Chemistry* (Division 70)

G. A. GORBCKI, *Classifier*

Compounds
- 14.5 Of actinide series elements

In *class 74, Machine Elements and Mechanisms* (Division 12)

JOHN W. CHURCHILL, *Classifier*

Dial shaft operators
- 10.1 Preselected position
- 10.15 Step by step
- 10.2 Rotatable stop and projectable abutment
- 10.22 Digital dial type
- 10.27 Plural operator
- 10.29 Cam and follower
- 10.31 Adjustable cam
- 10.33 Sliding operator
- 10.35 Adjustable follower
- 10.37 Sliding operator
- 10.39 Rack and pinion
- 10.41 With detent or clicker
- 10.45 Plural shafts
- 10.5 Plural speed
- 10.52 Planetary
- 10.54 Separate operators
- 10.6 Cam and follower
- 10.7 Tensioned flexible operator
- 10.8 Gear drive
- 10.85 Worm or screw
- 10.9 Lever and linkage drive

In *class 154, Laminated Fabric and Analogous Manufactures* (Division 67)

J. S. BAILEY, *Classifier*

Miscellaneous processes
- Utilizing electrical or radiant energy
- 126.5 High frequency heating

In *class 260, Chemistry, Carbon Compounds* (Division 50)

HAROLD PFEIFFER, *Classifier*

Synthetic resins
- 2.3 Reclaiming
- 2.5 Pore-forming
- 45.7 With preservative (to follow subclass 45.5)
- 45.75 Heavy metal containing compounds
- 45.8 Heterocyclic
- 45.85 Carboxylic acid, salt or ester
- 45.9 Nitrogen containing compounds
- 45.95 Alcohols or phenolic compounds
- Sulfur-containing
- 79.1 Alkylene halide-polysulfide type reaction products
- 79.3 Sulfoxy compound reaction products (e. g., olefin SO_2 reaction products)
- 79.5 From polymerized unsaturated compounds
- 79.7 From S-containing monomeric compounds
- Polymerized unsaturated compounds
- 80.3 Interpolymers
- 80.5 Three or more components
- 80.7 Conjugated diolefine, cyclo- or halo-diolefine containing
- 82.1 From conjugated diolefines or cyclo-diolefines
- 82.3 With nitriles
- 82.5 With heavy metal containing polymerization aid
- 82.7 With S-containing polymerization aid
- 83.1 With N-containing polymerization aid
- 83.3 With subsequent treatment
- 83.5 With carboxylic acid esters
- 83.7 With aromatic hydrocarbons
- 84.1 With heavy metal containing polymerization aid
- 84.3 With S-containing polymerization aid
- 84.7 With N-containing polymerization aid
- 85.1 With subsequent treatment
- 85.3 With acyclic hydrocarbons
- 85.5 From nitriles
- 85.7 From carboxylic acid esters
- 86.1 Unsaturated acid esters
- 86.3 With halogenated hydrocarbons
- 86.7 With hydrocarbons
- 87.1 With halogenated hydrocarbons
- 87.3 With hydrocarbons
- 87.5 From halogenated hydrocarbons
- 87.7 Vinylidene halides
- 88.1 From hydrocarbons
- 88.3 From heterocyclic compounds
- 88.5 Furanes
- 88.7 From nitriles
- 89.1 From carboxylic acid esters
- 89.3 Unsaturated acid esters
- 89.5 Acrylic, alpha-alkacrylic or halo-acrylic acid esters
- 89.7 From amines or amides
- 91.1 From ethers
- 91.3 Polymerized alcohols
- 91.5 From halogenated hydrocarbons
- 91.7 Acyclic
- 92.1 Fluorine containing
- 92.3 Halo-butadienes
- 92.8 Vinyl halides
- 93.1 From hydrocarbons
- 93.3 Terpenes
- 93.5 Aromatic
- 93.7 Acyclic
- 94.1 Triple bond
- 94.2 Diolefines
- 94.3 With heavy metal containing polymerization aid
- 94.4 With S-containing polymerization aid
- 94.6 With N-containing polymerization aid
- 94.7 With subsequent treatment
- 94.8 Isobutylene
- 94.9 Ethylene

MISCELLANEOUS CHANGES

On page 179–1, cancel the unnumbered subclass title "Superaudible" following subclass 2.

On page 287–1, the unnumbered subclass title "Miscellaneous" should be numbered *1*.

On page 318–3, in subclass 205, change "6" to: *60*.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished Class	Abolished Subclass	Disposition Class	Disposition Subclass
260	74	260	91.5, 640
260	83–94.5	260	79+, 80+

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established Class	Established Subclass	Source Class	Source Subclass
23	14.5	23	19+
74	10.1 to 10.9, inclusive	74	10
154	126.5	154	126
260	2.3	260	2+
260	2.5	260	2+
260	45.7+	260	2+
260	79.1	260	79
260	79.3	260	94.5
260	79.5	260	79
260	79.7	260	80+
260	80.3–80.7	260	80+
260	82.1–94.9	260	80+

IN THE DEFINITIONS

5, Beds

in subclass 345, cancel (3) Note, and add:

Search Class—
- 9—BOATS AND BUOYS, subclass 13, for bed mattresses especially fitted to be converted to a life raft or life buoy. See the subclass definition for the line between these subclasses.

9, Boats and Buoys

cancel the definition of subclass 13, and substitute:

13. Buoyant mattresses or cushions for supporting a person in the water, having special features to convert the article into a life raft or having special shapes or attachments to enable the mattress or cushion to conform to or secure a body.

(1) Note.—The special features included here are, for example, flaps or rims by which the device is given the character of a boat, fastening means by which several mattresses may be linked together to form one large raft or fittings for oars.

Search Class—
- 5—BEDS, subclass 345+, for mattresses and cushions which do not have the special characteristics recited above, even though they are buoyant, waterproof or disclosed or claimed as life preservers, or have handles or straps for carrying which may also be held onto by persons in the water.

23, Chemistry

establish the following subclass definition:

14.5. Subject matter under subclass 14 including processes for the preparation or treatment of compounds containing an element of the actinide series, processes for obtaining compounds or concentrates of these elements from source material involving chemical action, and the resulting products.

(1) Note.—Elements of the actinide series are those having an atomic number of 89 or higher.

Search Class—
- 75—METALLURGY, subclass 84, for pyrometallurgical processes for obtaining actinide series elements in the metallic state.
- 252—COMPOSITIONS, subclass 410+, for catalysts and absorbents containing an actinide series element and processes for the preparation thereof.

41, Ornamentation

cancel the definition and note of subclass 6.

57, Textiles, Spinning, Twisting and Twining

in subclass 168, cancel the word "elastic" and after "strands" insert: *of elastomeric material*.

73, Measuring and Testing

in subclass 118, add:

Search Class—
- 178—ELECTRICITY, GENERAL APPLICATIONS, subclass 183, where the test of the auxiliary unit is electrical in nature; and subclass 381 where electrical timing is involved.

in subclass 206, insert:

Search this class, subclass—
- 183—for differential pressure type meters having integrating means and forming ship log navigating devices.

74, Machine Elements and Mechanisms

cancel the definition and notes of subclass 10 and substitute:

10. Assemblies particularly adapted for mechanically rotating one or more shafts into desired angular positions.

(1) Note.—The art, for the most part, is directed to the positioning of radio tuning shafts having indicating means and/or variable condensers associated therewith for adjustment.

(2) Note.—Electrically actuated dial operators are not here, even though claimed in combination with mechanical operators for these subclasses. They will be found in class 192, CLUTCHES AND POWER-STOP CONTROL, subclass 138+, and in class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclasses (including particularly subclass 18+ which has the follow-up type motor controls). The line between these two classes is stated in the class definition of class 318 at II(8e, and under the reference to class 192 under "Search Classes" at the end of the class (318) definition.

(3) Note.—These subclasses will take the recitation of an indicator, a condenser, or a tuner by name only. Whenever specific details of the indicator, condenser or tuner are recited in detail, the device will be classified in class 116, SIGNALS AND INDICATORS, subclass 124+ (and particularly subclass 124.1+), class 175, ELECTRICITY, GENERAL APPLICATIONS, subclass 41.5, or class 250, RADIANT ENERGY, subclass 40, respectively. Where the operator is merely a screw gearing and the tuner is recited by name only, the search should be continued in this class (74) subclass 424.8.

Search this class, subclass—
- 10–110—inclusive, for non-intermittent type mechanical movements.
- 111+—for intermittent grip type mechanical movements.
- 120+—for gearing.
- 424.8—for screw gearing, and see (3) Note, supra.
- 469+—for control lever and linkage systems.
- 536—for stops for levers.
- 553—for knob or dial operators.

Search Class—
- 116—SIGNALS AND INDICATORS, subclass 124+ and particularly subclass 124.1+, for similar devices combined with specific details of means to indicate the rotary position of the shaft, and see (3) Note, supra.
- 175—ELECTRICITY, GENERAL APPLICATIONS, subclass 41.5 for specific variable condenser structure combined with operators therefor, and see (3) Note, supra.
- 192—CLUTCHES AND POWER-STOP CONTROL, subclass 138+ for power-stop limit controls and see (2) Note, supra.
- 235—REGISTERS, appropriate subclasses, for related operating devices for registers and particularly subclass 12+ for those which are keyboard operated.
- 250—RADIANT ENERGY, subclass 20+, for radio receivers, including dial operator structure; and subclass 40 for dial operators combined with specific details of tuners, and see (3) Note, supra.
- 318—ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclasses for controlled electric motor operators, particularly subclass 18+ for follow-up type operators, and see (2) Note, supra.

establish the following subclass definitions:

10.1. Devices under subclass 10 having interengaging means by which the rotation of the shaft may be halted at a plurality of predetermined angular positions.

10.15. Devices under subclass 10.1 having means interposed between a single initiator and the shaft for rotating the shaft through a series of successive predetermined positions, the rotation of the shaft being halted at each such successive position.

Search this class, subclass—
- 126+—for mechanical movements for changing reciprocating motion to intermittent unidirectional motion, and particularly subclass 142 for lever actuators.

10.2. Devices under subclass 10.1 having a rotatable stop element for halting shaft movement and a movable abutment for the stop element, and means for moving the abutment into a position in which the stop element may contact the abutment.

(1) Note.—Electric motor control of the rotatable stop elements and/or the movable abutments will be found in class 192, CLUTCHES AND POWER-STOP CONTROL, subclasses 138+ and particularly subclass 142; and the appropriate subclasses of class 318, ELECTRICITY, MOTIVE POWER SYSTEMS, particularly subclass 18+ for follow-up type systems; see (2) Note to this class (74), subclass 10.

Search Class—
- 192—CLUTCHES AND POWER-STOP CONTROL, subclass 138+ for power-stop limit controls and see (1) Note.
- 318—ELECTRICITY, MOTIVE POWER SYSTEMS, appropriate subclasses for electric motor control, and particularly subclass 18+ for follow-up type, and see (1) Note.

10.22. Devices under subclass 10.1 in which the shaft operator is a dial and is provided with a series of single-finger-receiving openings.

Search Class—
161—TIME-CONTROLLING MECHANISM, subclass 1, for combined digital dial type operators and timers.
179—TELEPHONY, subclass 90, for telephone type dial operators.
200—ELECTRICITY, CIRCUIT MAKERS AND BREAKERS, subclass 11, for dial operated switches.

10.27. Devices under subclass 10.1 having more than one operator for controlling the shaft.

Search this class, subclass—
10.54—for separate operators for each of a plurality of speed drives of the non-selective type dial operators.
389+—for plural input single output gearing.
407—for alternate manual and power operators.
479—for plural input single output lever and linkage systems.

Search Class—
235—REGISTERS, appropriate subclasses for related operating devices for registers and particularly subclass 12+ for those which are keyboard operated.

10.29. Devices under subclass 10.27 wherein a cam and follower is interposed between the operator and the shaft.

Search this class, subclass—
10.6—for non-selective cam and follower type dial operators.
567+—for cam and/or follower structure per se.

10.31. Devices under subclass 10.29 wherein the cam is adjustable.

Search this class, subclass—
566—for adjustable cams per se.

10.33. Devices under subclass 10.31 where the cam is carried by a sliding operator.

10.35. Devices under subclass 10.29 wherein the follower is adjustable.

Search this class, subclass—
569—for followers per se.

10.37. Devices under subclass 10.35 where the cam is carried by a sliding operator.

10.39. Devices under subclass 10.27 wherein a rack and pinion gearing is interposed between at least one of the operators and the shaft.

Search this class, subclass—
425—for rack and pinion gearing per se.

10.41. Devices under subclass 10.1 in which a detent or click device tends to hold the shaft in the predetermined positions.

Search this class, subclass—
527+—for detents per se.

10.45. Devices under subclass 10 in which a plurality of shafts are rotated by a single operator.

Search this class, subclass—
389+—for single input plural output gearing.
471+—for single input plural output lever and linkage systems.

10.5. Devices under subclass 10 in which the shaft may be rotated at a plurality of speeds.
(1) Note.—In most cases, a fast speed is used for coarse rotational adjustment and a slow speed for fine adjustment.

Search this class, subclass—
336+—for interchangeably locked non-planetary gearing.

10.52. Devices under subclass 10.5 wherein a planetary gearing is interposed between the operator and the shaft.

Search this class, subclass—
350+—for planetary gearing per se.

10.54. Devices under subclass 10.5 having separate operators for each speed.

Search this class, subclass—
10.52—for separate operators for planetary gearing.
389+—for plural input single output non-planetary type gearing.

10.6. Devices under subclass 10 wherein a cam and follower is interposed between the operator and the shaft.

Search this class, subclass—
10.39+—for selective type cam and follower dial operators.
567+—for cam and/or follower structure per se.

10.7 Devices under subclass 10 wherein the operator includes a flexible strand operating in tension only, usually in the nature of a belt and pulley drive, although the strand may be anchored to one of the pulleys.

Search this class, subclass—
216.5+—for belt and pulley drives per se.

10.8. Devices under subclass 10 wherein gearing is interposed between the operator and the shaft.

Search this class, subclass—
389+—for gearing per se.

10.85. Devices under subclass 10.8 where the gearing is of the worm or screw type.

Search this class, subclass—
424.8—for screw type gearing per se.
425—for worm type gearing per se.

10.9. Devices under subclass 10 wherein a lever and linkage system is interposed between the operator and the shaft.

Search this class, subclass—
469+—for lever and linkage systems per se.

75, Metallurgy

in subclass 1, under (3) Note, change "15" to: *14.5*

cancel (4) Note, and substitute:
(4) Note.—See class 241, SOLID MATERIAL COMMINUTION OR DISINTEGRATION, for grinding and pulverizing of ores, and see the line note between this class (75) and class 241 under section 12 of the class definition of class 241.

in subclass 84, under the note, change "subclass 15, and indented subclasses" to: *subclasses 14.5–24*

116, Signals and Indicators

in subclass 124.1 add:

Search Class—
74—MACHINE ELEMENTS AND MECHANISMS, subclass 10+, for mechanical dial operators and see (3) Note to the definition of subclass 10 for the line between these two classes.

123, Internal Combustion Engines

in subclass 171, under (2) Note, add:
The mere inclusion of the cylinder head does not exclude the said devices from class 257.

128, Surgery

in subclass 1.1, in (1) Note, change "subclass 15 and indented subclasses" to: *subclasses 14.5–24*

154, Laminated Fabric and Analogous Manufactures

in subclass 2.77, in the note, after "polyvinyl resins per se" cancel the rest of the note, and substitute:
and for polyacryiyl resins per se see the appropriate subclass under subclass 80+.

establish the following subclass definition:
126.5. Processes under subclass 126 which include heating by use of a high frequency electrical current.
(1) Note.—The frequencies usually employed in processes classified in this subclass are of the order of one megacycle and higher.

Search Class—
219—ELECTRIC HEATING, subclass 47 for this type of heating per se.

167, Medicines, Poisons, and Cosmetics

in subclass 51, in (1) Note, change "subclass 15 and indented subclasses" to: *subclasses 14.5–24*.

192, Clutches and Power-Stop Control

in subclass 138, under "Search Classes" insert:
74—MACHINE ELEMENTS AND MECHANISMS, subclass 10+, for mechanical dial operators and see (2) Note to the definition of subclass 10 for the line between these two classes.

227, Heating Systems

the subclass definition following subclass 72, should be numbered 73.

241, Solid Material Comminution or Disintegration

in subclass 101, before the period insert:
, or in which parts are relatively movable or interchangeable in order to convert the apparatus to another apparatus either within or without the class definition

248, Supports

in the class definition in (1) Note, change "13" to: *14*

and insert:
(46.5) Note.—For supports for rock-drilling machines, see class 255, EARTH BORING, subclass 51+.

in subclass 2, cancel (7) Note, and substitute:
(7) Note.—For supports for rock-drilling machines, see class 255, EARTH BORING, subclass 51 and indented subclasses.

250, Radiant Energy

cancel the definitions and notes of subclasses 1.50 to 1.76, and 11,

in subclass 20, under "(2) Search Classes" insert:
74—MACHINE ELEMENTS AND MECHANISMS, subclass 10+, for mechanical dial operators, and see the notes thereto for the electrical type.

in subclass 40, under "Search Class" insert:
74—MACHINE ELEMENTS AND MECHANISMS, subclass 10+, for mechanical dial operators, and see the notes thereto for the electrical type.

252, Compositions

in subclass 301.1, under "Search Class" in the reference to class 23, change "subclass 15 and indented subclasses" to: *subclasses 14.5–24*.

260, Chemistry, Carbon Compounds

establish the following subclass definitions:
2.3 Processes under subclass 2 directed to the reclaiming of waste synthetic resin material and the products resulting therefrom.

Search this class, subclass—
710+—for processes of reclaiming waste or sulfurized natural rubber.

2.5. Processes under subclass 2 directed to the production of porous or cellular resinous bodies and the resulting products.

Search this class, subclass—
722+—for processes of making porous natural rubber.

45.7. Products under subclass 2 wherein the resin is mixed with a preserving agent not provided for above.

45.75. Products under subclass 45.7 wherein the preserving agent is a heavy metal containing compound.

45.8. Products under subclass 45.7 wherein the preserving agent is a heterocyclic compound.

45.85. Products under subclass 45.7 wherein the preserving agent is a carboxylic acid or a salt or ester thereof.

45.9. Products under subclass 45.7 wherein the preserving agent is a nitrogen containing compound.

Search this class, subclass—
45.8—for preserving agents which are nitrogen containing heterocyclic compounds.

45.95. Products under subclass 45.7 wherein the preserving agent is an alcohol, phenol, phenol ether or phenolate.

abolish the definition of subclass 74,

cancel the definition of subclass 79, and substitute:
79. Products under subclass 2 which contain sulfur in the molecule and are not provided for above.

establish the following subclass definitions:
79.1. Products under subclass 79 similar to those prepared by reacting organic compounds having at least one substituent which is directly attached to a carbon atom and which is capable of being split off with water-soluble polysulfides.
(1) Note.—This subclass includes, for example, products prepared by reacting ethylene dichloride or dichloroethyl formal with sodium polysulfide or by oxidising ethylene dimercaptan.

79.3. Products under subclass 79 which are reaction products of sulfoxy containing compounds and not provided for above.
(1) Note.—This subclass includes, for example, reaction products of olefines with sulfur dioxide as well as sulfonation products of polymerized ethylenically unsaturated compounds and polymers of polymerisable ethylenically unsaturated compounds containing a sulfoxy group.

Search this class, subclass—
49—for sulfoxy containing phenol resins.

79.5. Products under subclass 79 formed by the sulfurisation of polymerized ethylenically unsaturated compounds (e. g., vulcanization).

Search this class, subclass—
49—for sulfurized phenol resins.

79.7. Products under subclass 79 which are prepared by polymerising ethylenically unsaturated monomeric compounds containing sulfur, which is not part of a sulfoxy group, in the molecule.
(1) Note.—This subclass includes, for example, polymers prepared from vinyl thioacetate or vinyl octadecyl sulfide.

in subclass 80, after "resin-forming" insert: *ethylenically*

and number the Note (*1*),

add the following:
(2) Note.—The classification of these products is with few exceptions based upon the starting monomer rather than the final polymer. For example, a product produced by chlorinating a polymerised butadiene would be classified with diolefines in subclass 94.2, as a product resulting from a subsequent treatment thereof, rather than in subclass 92.3 as a halo-butadiene.
A notable exception is polyvinyl alcohol, which is not prepared from a monomer but generally by hydrolysis of polyvinyl acetate. However, products obtained by esterifying or etherifying a polyvinyl alcohol will follow the general rule and be classified together with polyvinyl alcohol.

establish the following subclass definitions:
80.3. Products under subclass 80 prepared by the interpolymerization of two or more different polymerizable unsaturated compounds not provided for above.

Search this class, subclass—
78.3—for products resulting from the interpolymerization of oxycarboxylic acids or their derivatives with polymerisable ethylenically unsaturated compounds.
78.5—for products resulting from the interpolymerization of polycarboxylic acids or their derivatives with polymerizable ethylenically unsaturated compounds.

80.5. Products under subclass 80.3 prepared by the interpolymerization of three or more different polymerizable unsaturated compounds.

80.7. Products under subclass 80.5 wherein at least one of the polymerizable unsaturated compounds is a conjugated diolefine or a cyclo- or halo-diolefine.

in subclass 81, change "80" to: *80.3*

in subclass 82, change "80" to: *80.3*

abolish the definitions and notes of subclasses 83 through 94.5,

establish the following subclass definitions:
82.1. Products under subclass 80.3 which are interpolymerization products of two different polymerizable unsaturated compounds, at least one of which is a conjugated diolefine or cyclo-diolefine.
(1) Note.—This subclass includes, for example, interpolymers of butadiene-1,3 with chloro-2-butadiene-1,3 or with p-methoxy styrene.

82.3. Products under subclass 82.1 wherein the other polymerizable unsaturated compound is a nitrile.
(1) Note.—Most of the patents in this and the indented subclasses are directed to butadiene-acrylonitrile interpolymers (Buna N or GR–A).
(2) Note.—Patents claiming products alone or product and process are placed in this subclass and crossed to the appropriate process subclass below. Where all the claims are directed to a process not specifically provided for below, the patents are placed in this subclass.

82.5. Processes under subclass 82.3 wherein polymerization is conducted in the presence of a heavy metal containing polymerization aid.
(1) Note.—The term polymerization aid is intended to include emulsifying agents, catalysts, initiators, promoters, modifiers or the like which affect the course of the polymerization or the properties of the final product, but does not include solvents, dispersing media or plasticizers which are provided for under subclass 29.1+.
(2) Note.—Most of the patents in this subclass and the following subclasses are directed to processes of emulsion polymerization.

82.7. Processes under subclass 82.3 wherein the polymerization is conducted in the presence of a sulfur-containing polymerization aid.

83.1. Processes under subclass 82.3 wherein the polymerization is conducted in the presence of a nitrogen-containing polymerization aid.

83.3. Processes under subclass 82.3 directed to the subsequent treatment of the interpolymer.
(1) Note.—This subclass includes, for example, the coagulation of the latex and its separation following polymerization as well as non-sulfur curing (i. e., vulcanization) of the polymer.

Search this class, subclass—
2.3—for the reclaiming of waste synthetic resins.
2.5—for the preparation of porous bodies from synthetic resins.
24.2—for processes of dissolving, dispersing or plasticising of synthetic resins.
45.7+—for the preservation of synthetic resins.
70.5—for the sulfurisation of polymerised unsaturated compounds.

83.5. Products under subclass 83.1 wherein the other polymerizable unsaturated compound is a carboxylic acid ester.
(1) Note.—This subclass includes, for example, interpolymers of butadiene-1,3 with methyl methacrylate or ethyl alpha-chlorocrotonate.

83.7. Products under subclass 83.1 wherein the other polymerizable unsaturated compound is an aromatic hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of butadiene-1,3 with styrene (Buna S or GR-S) or with alpha-vinylnaphthalene.

84.1. Processes under subclass 83.7 wherein the polymerization is conducted in the presence of a heavy metal containing polymerization aid.

84.3. Processes under subclass 83.7 wherein polymerization is conducted in the presence of a sulfur-containing polymerization aid.

84.7. Processes under subclass 83.7 wherein polymerization is conducted in the presence of a nitrogen-containing polymerization aid.

85.1. Processes under subclass 83.7 directed to the subsequent treatment of the interpolymer.
(1) Note.—This subclass includes, for example, the coagulation and separation of the latex following polymerization as well as non-sulfur curing of the polymer.
(2) Note.—See subclass 83.3 for a list of subsequent treatments specifically provided for elsewhere.

85.3. Products under subclass 83.1 wherein the other polymerizable unsaturated compound is an olefinic (other than conjugated diolefinic) or acetylenic acyclic hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of butadiene-1,3 with isobutylene or vinylacetylene.

85.5. Products under subclass 80.3 which are interpolymerization products not provided for above, prepared from two different polymerizable unsaturated compounds, at least one of which is a nitrile.
(1) Note.—This subclass includes, for example, interpolymers of acrylonitrile with vinyl chloride or styrene.
Search this class, subclass—
83.3+—for interpolymers of nitriles with conjugated diolefines or cyclo-diolefines.

85.7. Products under subclass 80.3 which are interpolymerisation products not provided for above, prepared from two different polymerisable unsaturated compounds, at least one of which is a carboxylic acid ester.
(1) Note.—This subclass includes, for example, interpolymers of vinyl acetate with crotonic acid.
Search this class, subclass—
83.5—for interpolymers of carboxylic acid esters with conjugated diolefines or cyclo-diolefines.

86.1. Products under subclass 85.7 in which the carboxylic acid ester has an unsaturated acid group.
(1) Note.—This subclass includes, for example, interpolymers of methyl acrylate with vinyl acetate or ethyl alpha-methacrylate with methyl acrylate.

86.3. Products under subclass 86.1 wherein the other polymerizable unsaturated compound is a halogenated hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of methyl methacrylate with vinyl chloride or methyl acrylate with vinylidene chloride.

86.7. Products under subclass 86.1 wherein the other polymerizable unsaturated compound is a hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of methyl methacrylate with styrene or vinyl methacrylate with isobutylene.

87.1. Products under subclass 85.7 wherein the other polymerizable unsaturated compound is a halogenated hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of vinyl acetate with vinyl chloride or vinyl formate with vinyl fluoride.

87.3. Products under subclass 85.7 wherein the other polymerizable unsaturated compound is a hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of vinyl acetate with ethylene or divinyl benzene.

87.5. Products under subclass 80.3 which are interpolymerisation products not provided for above, prepared from two different polymerisable unsaturated compounds, at least one of which is a halogenated hydrocarbon.
(1) Note.—This subclass includes, for example, interpolymers of vinyl chloride with allyl chloride or chlorotrifluoroethylene with ethylene.
Search this class, subclass—
83.1—for interpolymers of halogenated hydrocarbons with conjugated diolefines or cyclo-diolefines.

87.7. Products under subclass 87.5 wherein the halogenated hydrocarbon is a vinylidene halide (1,1-dihalo-ethylene).
(1) Note.—This subclass includes, for example, interpolymers of vinylidene chloride with styrene or divinyl ether.

88.1. Products under subclass 80.3 which are interpolymerisation products not provided for above, prepared from two different polymerisable unsaturated compounds, at least one of which is a hydrocarbon other than a conjugated diolefine or cyclo-diolefine.
(1) Note.—This subclass includes, for example, interpolymers of styrene with divinyl benzene or isobutylene with monovinyl acetylene.
Search this class, subclass—
83.7+, 85.3—for interpolymers of two hydrocarbons at least one of which is a conjugated diolefine or cyclo-diolefine.

88.3. Products under subclass 80 which are homopolymers prepared from monomeric heterocyclic compounds.
(1) Note.—This subclass includes, for example, polymers of N-vinyl pyrrolidone or 2-vinyl dioxolane.

88.5. Products under subclass 88.3 prepared from compounds containing the furane ring.
Search this class, subclass—
67—for polymerisation products of furfuraldehyde.

88.7. Products under subclass 80 which are homopolymers prepared from monomeric nitriles.
(1) Note.—This subclass includes, for example, polymers of acrylonitrile or alpha-methacrylonitrile.

89.1. Products under subclass 80 which are homopolymers prepared from monomeric carboxylic acid esters.
(1) Note.—This subclass includes, for example, polymers of vinyl acetate or allyl acetate.

89.3. Products under subclass 89.1 wherein the carboxylic acid ester has an unsaturated acid group.
(1) Note.—This subclass includes, for example, polymers of allyl crotonate or ethylene glycol dicinnamate.

89.5. Products under subclass 89.3 wherein the unsaturated acid group is derived from an acrylic, alpha-alkacrylic or halo-acrylic acid.

89.7. Products under subclass 80 which are homopolymers prepared from monomeric amines or amides.
(1) Note.—This subclass includes, for example, polymers of n-butylamino-4-butadiene-1,2 or methacrylamide.
Search this class, subclass—
77.5—for polyamides formed by reacting diisocyanates with diols or diamines.
78—for polyamides formed from aminocarboxylic acids or by reacting polycarboxylic acids with polyamines.

91.1 Products under subclass 80 which are homopolymers prepared from monomeric ethers.
(1) Note.—This subclass includes, for example, polymers of divinyl ether or vinyl isobutyl ether.

91.3. Products under subclass 80 which are homopolymeric alcohols.
(1) Note.—This subclass includes, for example, polyvinyl alcohol prepared by hydrolysing polyvinyl carboxylates as well as polymeric alcohols prepared from monomers such as allyl or methallyl alcohol.
Search this class, subclass—
66—for reaction products of polyvinyl alcohol and ketones.
73—for reaction products of polyvinyl alcohol and aldehydes.

91.5. Products under subclass 80 which are homopolymers prepared from monomeric halogenated hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of 2,5-dichlorostyrene.

91.7. Products under subclass 91.5 prepared from monomeric acyclic halogenated hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of chloroisobutylene or 1-chloro-2 vinyl-acetylene.

92.1. Products under subclass 91.7 prepared from monomeric fluorine-containing hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of tetrafluoroethylene or vinyl fluoride.

92.3. Products under subclass 91.7 prepared from monomeric halo-butadienes other than fluoro-butadienes.

92.5 Products under subclass 91.7 prepared from monomeric vinyl halides (1-halo ethylene) other than vinyl fluoride.

93.1. Products under subclass 80 which are homopolymers prepared from monomeric hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of cyclo-pentadiene.

93.3. Products under subclass 93.1 prepared from terpenes.
(1) Note.—This subclass includes, for example, polymers of beta-pinene or myrcene.

93.5. Products under subclass 93.1 prepared from monomeric aromatic hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of styrene or vinylnaphthalene.

93.7. Products under subclass 93.1 prepared from monomeric acyclic hydrocarbons.
(1) Note.—This subclass includes, for example, polymers of propylene or amylene.

94.1. Products under subclass 93.7 prepared from monomeric acyclic hydrocarbons containing a triple bond between adjacent carbons atoms.
(1) Note.—This subclass includes, for example, polymers of acetylene or vinylacetylene.
Search this class, subclass—
275—for polymerisation products of acetylene which are fuels, lubricating oils or definite non-resinous hydrocarbons.

94.2. Products under subclass 93.7 prepared from monomeric diolefines.

94.3. Processes under subclass 94.2 wherein polymerization is conducted in the presence of a heavy metal containing polymerization aid.
Search this class, subclass—
83.3+, 83.7+—for similar processes of polymerising interpolymers of diolefines with polymerisable unsaturated nitriles and aromatic hydrocarbons, respectively.

94.4. Processes under subclass 94.2 wherein polymerization is conducted in the presence of a sulfur-containing polymerisation aid.

94.6. Processes under subclass 94.2 wherein polymerisation is conducted in the presence of a nitrogen-containing polymerisation aid.

94.7. Processes under subclass 94.2 directed to the subsequent treatment of the polymer.
(1) Note.—This subclass includes, for example, the coagulation and separation of the latex following polymerisation as well as non-sulfur curing of the polymer.
(2) Note.—See subclass 83.3 for a list of subsequent treatments specifically provided for elsewhere.

94.8. Products under subclass 93.7 prepared from isobutylene.

94.9. Products under subclass 93.7 prepared from ethylene.

in subclass 139, in the note, change "79" to: *79.5*
in subclass 478, in (2) Note, change "83, 84 and 85 and indented subclasses" to: *83.1, 85.7+, and 89.1+*
in subclass 649, add:
(1) Note.—This subclass also contains patents directed to resinous halogenated diphenyls.
in subclass 655, in (1) Note, change "subclass 92.7," to: *subclasses 83.3, 87.1, 87.5 and 92.3*
in subclass 656, in (1) Note, change "subclass 88" to: *subclasses 83.3, 87.1, 87.5 and 92.3*
in subclass 666, in (2) Note, change "82, 91, 92, 93 and 94" to: *80.7, 83, 83.1+, 85.7, 87.3, 88.1 and 93.1+*
in subclass 669, under "Search this class, subclass" change "85.5" to: *83.7* and change "91" to: *93.5*
in subclass 675.5, under "Search this class, subclass" change "80" to: *93.3*
in subclass 678, in (1) Note, both occurrences, change "92" to: *94.1*
in subclass 680, cancel "(1) Note."
in subclass 685, in (2) Note, change "79" to: *79.5*
in subclass 709, in (2) Note, change "subclass 93" to: *subclasses 83.3+, 83.7+ and 94.3+*

333, Electricity, Voltage Magnitude and Phase Control Systems

in the class definition, after "X. PHASE CONTROL SYSTEMS", insert:
Xa. VOLTAGE MAGNITUDE CONTROL SYSTEMS INVOLVING CIRCUIT INTERRUPTION
This class takes those systems wherein the voltage, current or power are regulated or controlled by the interruption of the circuit carrying the load current by means of an electronic tube.
This class excludes those systems wherein the voltage, current or power are regulated or controlled by the interruption of the circuit carrying the load current by circuit interrupting means other than electronic tubes (e. g., switches). For such systems, see class 171, ELECTRICITY, GENERATION, subclass 222, under Search Class, below.
in "XII. Search Class" in the reference to class 171, add:
Subclass 222 provides for systems wherein voltage, current or power magnitude is controlled or regulated by circuit interrupting means other than an electronic tube.
in subclass 18, insert:
(3) Note.—Similar subject matter is found in class 171, ELECTRICITY, GENERATION, subclass 222, wherein voltage, current or power magnitude is controlled by circuit interrupting means (e. g., switch) other than an electronic tube.
and under "Search Class" insert:
171—ELECTRICITY, GENERATION, subclass 222, for systems wherein voltage, current or power magnitude is controlled by circuit interrupting means other than an electronic tube.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Classification Order No. 40

November 30, 1948

The following transfers are hereby ordered to take effect Monday, December 6, 1948:

Class 21, Preserving, Disinfecting, and Sterilising, from Division 44 to Division 59.

Class 48, Gas, Heating and Illuminating, subclasses 1 through 60, 180 through 189, 216 and 217, from Division 56 to Division 59.

Class 51, Abrading, subclasses 293 through 309, from Division 58 to Division 64.

Class 260, Chemistry, Carbon Compounds:
Subclasses 124–235, 350–395, 429–448, and 453–462, from Division 6 to Division 63.
Subclasses 236–297.5 from Division 59 to Division 6.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Classification Order No. 41

December 2, 1948

The following transfers are hereby ordered to take effect Tuesday, December 7, 1948:

Class 250, Radiant Energy:
Subclass 41.9 from Division 54 to Division 70.
Subclass 84 from Division 70 to Division 54.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Classification Order No. 42

December 8, 1948

The following transfers are hereby ordered to take effect December 8, 1948:

Class 114, Ships, subclasses 20 to 25, inclusive, from Division 61 to Division 70.

Class 244, Aeronautics, subclass 14, from Division 22 to Division 70.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,449,874. MACHINE FOR THE AUTOMATIC COOLING AND HEATING OF BABY BOTTLES AND FOOD. Patented Sept. 21, 1948. A device by which a number of successive baby feedings may be kept cool and may be automatically heated at the proper feeding time. An insulated container has a rotary support divided into a number of refrigerated compartments for the bottles. The compartments successively move over a heating station. An automatic timing device is set for the desired feeding time and controls the step-by-step rotary motion of the support and the heating device, and sounds an alarm when the bottle has reached the predetermined temperature. (Owner) James M. Bruning, 547 Avenue E, Bayonne, N. J. Group 36—21. Reg. No. 15,901.

Pat. 2,449,544. SPARE TIRE CARRIER ATTACHMENT FOR TRUCKS. Patented Sept. 21, 1948. A device for supporting and quickly releasing spare tires for trucks. A pair of channels are attached to truck, connecting with a spaced cross bar to support spare tire. One end of cross bar is bolted to a plate connected to a pair of arms pivoted to a padlock. To release the tire, the lock is removed and the arms pushed downwardly. (Owner) D. R. Ballard, Box 922, Madera, Calif. Groups 33—59; 38—11—31. Reg. No. 15,902.

Pat. 2,449,171. GOLF BAG STAND. Patented Sept. 14, 1948. A stand for supporting a golf bag has self-opening and closing legs which spread to a supporting position by the weight of the bag when placed upright on the ground. A frame attached to the bag includes a cross strap with a depending tubular member housing a slidable leg. A pair of pivoted legs parallel to the slidable leg connect with a mechanism operable to swing the pivoted legs to open position when the weight of the bag bears on the slidable leg. When the bag is raised, the pivoted legs fold against side of bag. (Owner) Daniel Matthews, 3189 Dundas St., W., Toronto, Ontario, Canada. Group 39—49. Reg. No. 15,903.

Pat. 2,450,301. FOLDING BABY SEAT. Patented Sept. 28, 1948. Folding baby seat can be supported by back of chair, on seat of bench, etc. Front and rear uprights are connected by arm rests and side rails and support a tray and a footrest. Rear uprights have chair-back-engaging hooks at upper ends, clamps at lower ends for fastening to bench etc., and guide rails on inner edges in which a back slips. Seat, made of two sections hinged at outer edges to side rails, has a commode opening with a removable closure. To collapse, the seat sections are folded upwardly, the back folded against an arm rest, the foot rest swung against forward uprights, and the tray dropped to one side. (Owner) E. J. Quiggle, 93 West Main St., Shelby, Ohio. Group 25—11. Reg. No. 15,904.

Pat. 2,449,829. PORTABLE LOADING RAMP. Patented Sept. 21, 1948. Adjustable ramp may be used when it is desired to move hand trucks etc. from one elevation to another. It embodies a rectangular wheeled frame having a platform consisting of a single flat plate hinged on its under side (near one side) to a side of frame. Flat approach plates are hinged to opposite sides of platform. A fluid pressure-operated jack is pivotally connected to under side of platform near its center and to opposite side of wheeled frame to pivotally swing platform to various inclinations. When ramp is not in use, platform may be lowered to horizontal position and approach plates folded inwardly on top of platform. (Owner) Carl G. Agren, Star Route, Roberts, Idaho. Groups 33—81; 35—63—69. Reg. No. 15,905.

Pat. 2,436,064. EXTRACTION PRESS. Patented Feb. 17, 1948. Press is especially useful for continuously extracting oil from citrus fruit peel. It has a hollow perforated pressure screw of inverted conical shape rotatably mounted inside a similarly shaped perforated shell. The blades of the screw are of varying pitch to apply the greatest pressure to the pulp midway of the shell, and thereafter allow suitable expansion of the pulp adjacent exhaust end of shell to avoid clogging. Waste pulp is discharged through adjustable openings in base plate of press. The extracted fluid is drawn off from bottom of screw and from a receptacle surrounding shell. A built-in flushing system is provided for thoroughly cleaning press without dismantling it. (Owner) Mission Dry Corporation, 530 West Sixth St., Los Angeles, Calif. Group 35—51. Reg. No. 15,906.

Pat. 2,449,915. INDICATOR ATTACHMENT FOR PLANTERS. Patented Sept. 21, 1948. Attachment will indicate the level of seed or fertilizer in hoppers of grain drills during planting operations, as well as indicate stoppage of certain drill tubes. Consists of a follower plate with a hinged indicator rod at each end, and a pair of removable stops for the rods. Follower plate rests on top of contents of hopper, the rods extend upwardly through openings in cover of hopper, and the stops are adjustably mounted on the rods above cover of hopper. The stops limit downward movement of follower plate, and act as rain guards to deflect moisture away from the rods. Modification shown. (Owner) Herbert F. Stalder, 102 West 12th St., Harper, Kans. Group 35—22—65. Reg. No. 15,907.

Pat. 2,445,671. CONVERTIBLE FOLDER AND MANUSCRIPT COVER. Patented July 20, 1948. A letter file folder convertible to a manuscript cover has front and back covers formed from a single sheet divided by a central hinge-forming score line. Potential fasteners are formed along the hinge line and along the top of the cover by pairs of straight slits interrupted by uncut portions. The fasteners are so arranged that identical sheets of punched paper may be fastened to either group of fasteners. Diagonal scorelines are provided for folding the fasteners. (Owners) Ervin G. Johnson and Orville C. Whisman. Correspondence to Ervin G. Johnson, Tribune Tower, Oakland 12, Calif. Groups 26—91; 40. Reg. No. 15,908.

Pat. 2,342,348. TELEPHONE-CALL TALLY APPARATUS. Patented Feb. 22, 1944. A miniature telephone-call tally pad is mounted over the window of index card holder of a dial telephone. Held horizontally by a spring metal

strip. Alternate sheets of pad extend at one side beyond edges of intervening sheets and are bound tightly at that side to the backing. Intervening sheets are similarly bound at opposite side. As one sheet is torn off (perforations provided), the unbound end of next sheet is released. Sheets may bear consecutive numbers, and pad used as an advertising device. (Owner) Ervin G. Johnson, Tribune Tower, Oakland 12, Calif. Groups 26—23—92; 40. Reg. No. 15,909.

Pat. 2,442,292. FORM FOR PLASTIC STRUCTURAL WORK. Patented May 25, 1948. Form for poured concrete is composed of a number of individual plywood panels and 2-inch dimension lumber. The panels are rapidly assembled and dismantled (for re-use) without use of nails or bolts. They are erected horizontally, are uniform in height, but have pre-determined length. Panels may be adapted to the erection of walls, piers, floor and roof slabs, beams and girders, etc. Each panel is identical, there being no specifically designated top or bottom, right or left. The panel frames are grooved to receive wall tie rods and bored to provide aligned holes to receive the legs of a U-shaped one-half-inch round steel clamp which not only couples adjacent panels but locks the panels to an upright strongback. Additional information and photographs of panels in actual erection are available upon inquiry from James W. Hart, 113 Tilden Road, Oak Ridge, Tenn. (Co-owner) Nicholas Del Genio, 5830 Chevy Chase Parkway, N. W., Washington, D. C. Groups 24—31; 32—71. Reg. No. 15,910.

Pat. 2,442,441. AIR DEFLECTOR. Patented June 1, 1948. Deflector is rigidly mounted on the driving shaft of a plane, between the motor and the rear of the propeller, with which it rotates as a unit. The principal portion of the attachment consists of a number of radially spaced blades positioned at right angles to the plane of rotation of the propeller. The purpose of the deflector is to take and release high pressure at the front of the engine or fuselage and force it back of the blades, removing pressure at the hub portion of the propeller. As air is forced out, a higher pressure is created back of the blades, the object of which is to permit greater speed, and a higher rate of climb, with the resulting advantages. (Owner) Edward A. Shellberg, 1741 Farwell Ave., Chicago, Ill. Group 37—22. Reg. No. 15,911.

Pat. 2,449,618. FOLDABLE CART AND CAR SEAT. Patented Sept. 21, 1948. A stroller, article carrier, or automobile seat for a child is foldable into a flat, light-weight carrying case. A two-wheel chassis has a fixed frame with triangular side plates and a foldable frame with front and rear U-shaped members pivoted to the plates. When extended, supports a flexible receptacle, with leg openings for a child. Handle is adjustable for pushing. Hooks on back of frame slip over the back of an automobile seat. (Owner) Lena L. Pritchard, 9725 Cresta Drive, Los Angeles, Calif. Group 39—43. Reg. No. 15,912.

Pat. 2,445,373. HAIRPIN OPENER. Patented July 20, 1948. An opener or spreader for bobby pins, hairpins, etc. is of special use to hairdressers and beauticians. A split finger-ring to be worn on index finger or thumb has a spreader or opener attached by which the prongs of bobby pin held in other hand may be separated. (Co-owner) Erville W. Turner, Box 987, Manchester, Wash. Groups 33—73; 39—61; 40. Reg. No. 15,913.

Pat. 2,449,549. SWEEP CIRCUIT FOR CATHODE-RAY TUBES. Patented Sept. 21, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) This patent provides a method of magnifying any selected portion of a sweep circuit of an oscilloscope by applying that portion to an additional oscilloscope to permit the shape of the wave to be studied in detail. Basically, a first and second circuit connected to the grid and deflecting plates of a cathode ray tube, respectively, are tuned to different frequencies and are shocked into oscillation by short electrical impulses at the beginning and end of square wave impulses of controlled duration. (Owner) Maurice E. Byrne, 1620 Bannock St., Boise, Idaho. Group 36—13. Reg. No. 15,914.

Pat. 2,449,338. CIRCUIT CONTROL MEANS FOR MOTOR VEHICLES. Patented Sept. 14, 1948. Solenoid-actuated maker and breaker switches are included in the circuits of the heater, headlights, and other lights, and accessories, to relieve strain on the battery while the motor of an automobile is being started. The control means is operable upon bringing the starter into action and automatically disconnects all lights and accessories temporarily, the circuits being re-established on release of the starter switch. Provision is made, however, to bring warning lights into circuit while the motor is being started as a caution to approaching drivers. (Owner) Everett E. Summersett, P. O. Box 2132, Hollywood, Fla. Group 38—31. Reg. No. 15,915.

Pat. 2,234,530. RAIL JOINT. Patented Mar. 11, 1941. This patent shows a pair of plates (for use in place of railway fish plates) designed to compensate for expansion and contraction of adjacent rails and prevent objectionable pounding or hammering as car wheels pass over joint. The outer plate is formed with an offset shoulder along its top to provide a tread surface for car wheels. Registering holes in the plates for receiving the usual clamping bolts are elongated horizontally. Suitably shaped filler blocks of compressible material are provided for insertion in each hole on opposite sides of each bolt. Retaining plates, held in place by the bolts, prevent displacement of the fillers. (Owner) Walter Matlock, Cherryhill Road, South Lane 3024, Baltimore, Md. Group 33—12—92. Reg. No. 15,916.

Des. Pat. 150,922. COMBINED RADIO CABINET, CLOCK, AND LAMP. Patented Sept. 14, 1948. (Owner) Albert C. Black, 3573 Tilden Ave., Los Angeles 34, Calif. Group 25—11. Reg. No. 15,917.

Pat. 2,450,607. SITZ BATH. Patented Oct. 5, 1948. Sitz bath for use on toilet seats consists of a basin having a removable ring which rests on top of toilet seat. A converging flange depending from ring extends down into toilet bowl and surrounds upper end of basin. A row of spaced knobs around inner surface of flange at its lower end frictionally engage sides of basin to hold it suspended within bowl, and permit overflow from basin to drain into bowl without wetting toilet seat. (Owner) S. F. Oliver, 436 Linden Ave., Apt. 1, Auburn, Calif. Group 33—61—73. Reg. No. 15,918.

Pat. 1,935,622. PLANING BOAT. Patented Nov. 21, 1933. Reg. No. 15,919.

Pat. 2,039,585. PLANING BOAT. Patented May 5, 1936. Reg. No. 15,920.

Pat. 2,039,586. PLANING BOAT. Patented May 5, 1936. Reg. No. 15,921.

These three patents relate to the construction of lifting or planing surfaces for boats, seaplane pontoons, etc., in which the area of the wetted surface is reduced considerably as the boat rides over the water. A typical construction is shown in Pat. 2,039,586 in which the bottom surface of a boat is comprised of distinct diagonally and longitudinally extending planing surfaces arranged in paired relation on opposite sides of the keel. Each surface is separated from the next by a sharp jog which

tapers to zero at its rearward end, and successively decreases in angularity with the beam toward the stern. The construction makes possible the use of convex bottom portions of bow and midships sections for easier and drier riding, increased speed and seaworthiness not usual with conventional construction. (Owner) Bay Trust Company, Bay City, Mich. Group 37—32.

Pat. 2,337,175. CLOTHESLINE. Patented Dec. 21, 1943. In this clothesline a pair of end bars are provided and the end of a single piece of rope is secured to the end of one of the bars. The rope is then looped back and forth through holes in the bars to form several spaced parallel lines between the bars. Slidable clamps in some of the openings of one of the bars wedgingly engage rope to hold it in adjusted position in the openings. Each clamp is slidably mounted on a pin extending transversely through bar and opening. Several short strands of rope secured to each bar are provided for securing the bars in horizontal position to spaced supporting structures, such as posts. (Owner) Milbert D. Bible, Mosheim, Tenn. Groups 25—99; 35—81. Reg. No. 15,922.

Pat. 2,451,431. PORTABLE PLAY PEN. Patented Oct. 12, 1948. A rectangular collapsible play pen for children is formed by holding a flexible endless fence in taut upright position by detachable posts connected by guy lines to stakes driven into the ground. The fence consists of a multiplicity of palings having holes in their upper and lower ends in which rope runners are inserted. Opposite ends of each runner are connected together by a snap hook. Other snap hooks secured to top and bottom of each post connect posts to runners. Conventional rope clamps hold guy lines taut. (Owner) Milbert D. Bible, Mosheim, Tenn. Group 25—11—13. Reg. No. 15,923.

Pat. 2,450,619. LOCK CONTROLLED SWITCH. Patented Oct. 5, 1948. Switch means is actuated by latch bolt of an ordinary door lock so that when occupant of a room leaves and locks door a master switch inside room is automatically thrown to turn off lights, etc. A receptacle mounted in door frame is connected to a drain pipe, a source of fluid under pressure, and a remotely positioned hydraulic cylinder and piston which actuates master switch. A baffle valve inside receptacle is actuated by a plunger when door is locked and unlocked to control the admission and exhaustion of fluid into and out of hydraulic cylinder. (Co-owner) Charles Michael Whelan, 2560 North El Molino, Altadena, Calif. Group 36—11—19. Reg. No. 15,924.

Pat. 2,447,192. STOCKING TURNER. Patented Aug. 17, 1948. Device for turning stocking inside out leaves both hands of operator free to handle stocking. Device has a downwardly extending arm with a ball on its lower free end, and an upwardly extending pivoted arm with a similar ball on its top free end. Lower arm may be swung out of the way to the right to permit a stocking to be pulled upwardly on upper arm until toe of stocking bears against ball on upper arm. Lower arm is then swung to the left to permit stocking to be pulled downwardly on lower arm until toe of stocking bears against ball on lower arm. Lower arm is then swung to the right to permit removal of stocking by pulling upwardly on toe. A protective apron on lower end of device prevents snagging or tearing of stockings during turning operations. (Owner) Clyde Ludington, Box 894, Billings, Mont. Groups 25—99; 35—52. Reg. No. 15,925.

Pat. 2,325,293. SOAP HOLDER AND SAVER. Patented July 27, 1943. U-shaped holder supports a cake of soap on its upper side edges to permit free circulation of air around cake. It consists of a back plate (for attachment to a suitable support) with a pair of spaced side plates. The upper edge of each side plate is cut away, leaving upper edge with a steep rearwardly inclined toothed portion and a stepped forward portion. Modification shows holder formed with a pair of hooks for hanging it on bathtub. May be made of a single strip of plastic or light metal. (Owner) Darwin M. Wolf, 201 Jefferson St., Midway City, Calif. Groups 33—73; 34—41; 39—81; 40. Reg. No. 15,926.

Pat. 2,450,152. FRUIT PICKER'S CRANE. Patented Sept. 28, 1948. Fruit picker's crane has an elevated seat with conveniently positioned hydraulic controls near seat so picker may selectively manipulate controls to raise and lower seat, move it in and out, or sideways to and fro. Seat is connected by a pair of swinging arms to turntable mounted on wheeled platform. A chute, in which picker places fruit, is mounted on upper arm, and a bin is mounted on lower arm. Chute and bin are formed with oppositely disposed padded baffles so that fruit will roll down into bin without bruising. Device may also be used when performing other operations, such as pruning, etc. (Owner) Howard B. Miller, 14600 18th Southwest, Seattle 66, Wash. Group 35—22. Reg. No. 15,927.

Pat. 2,450,002. POCKET TOOTHBRUSH. Patented Sept. 28, 1948. Toothbrush resembles a fountain pen in outward appearance, being provided with a perforated removable cap which fits over the toothbrush head and engages an elongated hollow handle. A threaded cap or plug which retains a spring is fitted into the outer end of the handle. The handle accommodates a replaceable cardboard or plastic cartridge filled with a dentifrice. The opening of the cartridge is provided with a reduced neck portion which is sealed by a conical projection inside the handle and retained in place by the pressure of the spring. In use, the caps at both ends are unscrewed and the cartridge removed to allow use of dentifrice. (Co-owner) Theodore J. Jackson, 968 North Church St., Rockford, Ill. Groups 39—22; 40. Reg. No. 15,928.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 15,929 through 16,234) are part of Schedule 6, Groups 22; 28; 35; 39—12.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 6—Continued

Patents Relating to Uses and Treatments for Regenerated Cellulose Films

Pat. 1,914,152. Special Container. June 13, 1933. A tube such as for cigars having plicated sides and having double end folds.

Pat. 1,929,013. Adhesive. Oct. 3, 1933. An adhesive for moistureproof regenerated cellulose film comprising a water soluble adhesive, such as gelatin or casein, a resin, such as gum manila or an alkyd resin.

Pat. 1,953,096. Method and Apparatus for Packaging Materials. Apr. 3, 1934. An apparatus for inserting articles such as cigars in tubes.

Pat. 1,953,097. Method of Packaging Articles. Apr. 3, 1934. Wrapping a film around an article, such as a cigar, to form an upstanding fold, heat sealing the fold and laying against the article.

Pat. 1,953,098. Machine for Inserting Cigars or the Like in Containers. Apr. 3, 1934. A machine for inserting articles into tubes by which predetermined tube lengths are cut off, one end heat sealed, a cigar or the like inserted in the open end and the latter heat sealed.

Pat. 1,953,104. Adhesive. Apr. 3, 1934. An adhesive for moistureproofed regenerated cellulose film comprising a rubber emulsion and a water soluble agglutinant, such as starch, gelatin or casein.

Pat. 1,953,122. Apparatus for the Manufacture of Containers from Cellulose Sheets. Apr. 3, 1934. An apparatus for converting sheeting into tubing and tubes.

Pat. 1,953,946. Method of Affixing Stamps. Apr. 10, 1934. A method of affixing labels, coated with water sensitive adhesives, to a moistureproofed regenerated cellulose film by first applying to the predetermined area a sizing comprising gutta percha.

Pat. 1,957,478. Method of Applying Labels. May 8, 1934. A method for affixing labels to moistureproofed regenerated cellulose film wherein the moistureproof coating is heat ruptured and the label, bearing an energized water sensitive adhesive, applied.

Pat. 1,964,959. Method of Sealing. July 3, 1934. Moistureproof wrapping tissue containers are solvent sealed by applying the solvent directly to predetermined areas on the interior of the end of the container and merging by means of heat and pressure.

Pat. 1,977,713. Automatic Machine for Inserting Cigars or the Like in Containers. Oct. 23, 1934. Articles are inserted into tubes by a machine having means for feeding the tubular stock, for severing a tube of desired length, and for expanding, loading, and sealing the end of the tube.

Pat. 1,983,875. Laminated Material. Dec. 11, 1934. An article having moistureproofed regenerated cellulose film laminated by means of a water insoluble adhesive to paper, cloth, etc.

Pat. 1,985,898. Method of Affixing Stamps. Jan. 1, 1935. Labels having a water sensitive adhesive are affixed to moistureproof regenerated cellulose film by means of a size which comprises a resin such as the alkyd or polymerized terpene resins and a glue, such as gelatin, starch, or casein, with or without a softener.

Pat. 1,990,538. Package. Feb. 12, 1935. A box for a toothbrush has two triangular sections, one open, the other closed. The box may be overwrapped with a cellulosic film such as regenerated cellulose.

Pat. 1,992,190. Method of Laminating. Feb. 26, 1935. An adhesive comprising a gum such as gum manila, hauri, pontianak and a softener such as castor oil is used on moistureproof regenerated cellulose films.

Pat. 2,000,251. Package. May 7, 1935. Meats are wrapped in a cellulose sheet having a wax-free, non-moistureproof coating such as a cellulosic lacquer or a drying-oil lacquer.

Pat. 2,037,053. Adhesive. Apr. 14, 1936. An adhesive for moistureproof materials such as moistureproof regenerated cellulose consists of a cellulose derivative such as nitrocellulose or ethylcellulose, a resin such as gum dammar or glyptal resin and a solvent.

Pat. 2,041,418. Cellulose Cord. May 19, 1936. A regenerated cellulose ribbon twisted into a cord about a cotton string or core impregnated with glycerol.

Pat. 2,046,492. Label. July 7, 1936. A label is attached to a cellulose derivative surface normally insensitive to water soluble adhesives such as a film of moistureproofed regenerated cellulose by means of a water-energized coating which includes a water soluble agglutinant such as starch, gelatin and a solvent for the cellulose derivative surface such as diethylene glycol.

Pat. 2,060,906. Uniting Materials. Nov. 17, 1936. A transparent spliced joint comprising overlapped regenerated cellulose sheets having interposed therebetween a transparent splicing strip coated with a normally non-tacky, heat-sealable adhesive, such as balata, alkyd resin or vinyl resin coating.

Pat. 2,067,660. Package. Jan. 12, 1937. A combined display and protective package comprising a cardboard carton provided with a window opening and a flap and overwrapped with regenerated cellulose.

Pat. 2,086,735. Joining or Sealing Material. July 13, 1937. Joining or sealing plain transparent regenerated cellulose film by crimping, heat and pressure without the use of an adhesive.

Pat. 2,109,231. Machine for Loading Wrappers or Pouches. Feb. 22, 1938. Machine for inserting articles such as cigars in preformed tubes or bags.

Pat. 2,142,116. Nonfibrous Cellulosic Structure and Method of Producing Same. Jan. 3, 1939. Nonfibrous cellulosic structures, especially regenerated cellulose film, treated with sulfamic acid or its salts (ammonium sulfamate) to effect softening and flameproofing.

Pat. 2,159,743. Cellulosic Structure and Method for Preparing Same. May 23, 1939. Mold inhibitive wrapping tissue obtained by impregnating cellulosic bases such as regenerated cellulose with formaldehyde or a substance which will spontaneously decompose, evolving formaldehyde.

Pat. 2,230,550. Packaging Stockings. Feb. 4, 1941. Hosiery package in which the hosiery is supported on a card in predetermined fashion and the whole contained in a transparent envelope on which is printed a scale so that the length of the hosiery is readily apparent without opening the package.

Pat. 2,253,755. Absorption. Aug. 26, 1941. Regenerated cellulose scrap material is used as a dehydrant for organic liquids, specifically, in the drying of recovered alcoholic solvents.

Pat. 2,268,611. Process of Laminating. Jan. 6, 1942. A method of sealing moistureproof film by applying a composition containing a polymerizable monomeric solvent, such as methyl methacrylate, and polymerizing in situ.

Pat. 2,316,340. Ionograph Tape. Apr. 13, 1943. Cellophane tape is impregnated with a solution of rubianic acid to produce an electro-sensitive tape suitable for use in the electrochemical recording (ionograph) process.

Pat. 2,322,594. Dispensing Package. June 22, 1943. A package for facial tissue and similar materials, comprises a transparent cellophane overwrap and a tear device giving an elongated opening suitable for dispensing the tissue.

Pat. 2,329,179. Protection of Surfaces. Sept. 14, 1943. Heavily sized regenerated cellulose film is used as a substitute for Holland cloth to afford protection for unvulcanized rubber surfaces, such as on tire patch material, etc.

Pat. 2,349,247. Bag Closure. May 23, 1944. A folded blank is inserted in the top of a regenerated cellulose film bag to provide a pouring spout.

Pat. 2,349,369. Bag Closure. May 23, 1944. The mouth of a regenerated cellulose film bag is interfolded with a triangular blank to provide an easy opening and resealing device.

Pat. 2,356,290. Composition and Process. Aug. 22, 1944. The use of certain amide derivatives such as dimethyl formamide or dimethyl acetamide as solvent sealers for regenerated cellulose and the like film having moistureproofing coatings.

Pat 2,369,716. Bag Closure. Feb. 20, 1945. A folded blank is inserted in the mouth of a bag of regenerated cellulose film to securely close the bag and to facilitate the opening and dispensing of the contents of the bag.

Pat. 2,373,744. Bag Closure. Apr. 17, 1945. Easy opening and reclosing devices for bags of regenerated cellulose film, providing a pouring spout in which a paper form heat sealable to the bag walls but not to itself is positioned so as to form a channel to the interior of the bag, on tearing a portion of the paper.

Pat. 2,395,419. Pressure Sensitive Products. Feb. 26, 1946. Pressure sensitive tape comprises a base sheet of regenerated cellulose coated on the back side with lecithin to prevent adhesion of the tape when it is in roll or package form.

Pat. 2,422,730. Flameproofed Film and Process. June 24, 1947. Impregnation of regenerated cellulose film with glycerol, formaldehyde and simple salts of sulfamic acid such as ammonium sulfamate to make the film flame resistant but without detracting from the durability.

Patents Relating to Casting Machines for the Manufacture of Regenerated Cellulose Film

Pat. 1,910,521. Method and Apparatus for Producing a Sheet of Film of Regenerated Cellulose. May 23, 1933. Surface streaks, striations, and other irregularities are removed from regenerated cellulose film by subjecting the incompletely coagulated sheet while in the plastic state to a smoothing or calendering operation.

Pat. 2,024,752. Pressure Indicating Device. Dec. 17, 1935. Apparatus for determining the pressure in a line containing a liquid comprises a pressure dome with a [illegible] mounted so as to measure pressure in the dome; more particularly measuring pressure of liquids which change in physical properties with time, such as viscose.

Pat. 2,046,553. Film Drying Method and Apparatus. July 7, 1936. Uniformly drying regenerated cellulose film and the like by means of rollers approximately half full of hot water, the hot water being supplied by spraying onto the upper internal surface of the roller through a centrally disposed tube with orifices of predetermined size on its upper side. The water outlet is simply an overflow from the open end of the roll, i. e., no water-tight joint is used.

Pat. 2,077,836. Apparatus for Making Films. Apr. 20, 1937. Baffle plates are suspended in the coagulating bath adjacent the hopper lips to provide a relatively stagnant zone of coagulating bath into which the viscose is extruded so that excessive agitation of the bath around the extrusion orifice is avoided.

Pat. 2,082,618. Extrusion Device. June 1, 1937. A hopper lip having a body of Illium "G" with the essential edge consisting of an insert of noble metal or other noncorrodible material for use in the extrusion of viscose, as in the manufacture of regenerated cellulose film.

Pat. 2,311,755. Apparatus for Making Sheet Wrapping Material. Feb. 23, 1943. Use of curved rods for guiding film in the first tank of casting machines to produce transverse stretch.

Pat. 2,316,212. Regenerated Cellulose Apparatus. Apr. 13, 1943. Improved steam distributor tube for use in heating the drier rolls used in the drying of regenerated cellulose film.

Patents Relating to Methods and Apparatus for the Manufacture of Plain Transparent Regenerated Cellulose Film

Pat. 1,983,529. Method of Producing Sheets or Films of Regenerated Cellulose. Dec. 11, 1934. Method of producing sheets or films of regenerated cellulose of uniform moisture content comprising first superdrying and then rehumidifying.

Pat. 2,000,079. Machine. May 7, 1935. In the manufacture of regenerated cellulose film the drier rolls of the casting machine are lacquered to overcome slippage during transfer or lateral shrinkage during drying.

Pat. 2,025,376. Conditioned Material and Method of Preparing Same. Dec. 24, 1935. Mill rolls of regenerated cellulose film are conditioned by humidified aging, prior to slitting to prevent telescoping.

Pat. 2,056,982. Extrusion Device. Oct. 13, 1936. The method of casting regenerated cellulose film from viscose using Illium "G" hopper lips to produce substantially streak free film.

Pat. 2,086,178. Watermarking Pellicle. July 6, 1937. Watermarking regenerated cellulose film by impressing marks while the film is being dried.

Pat. 2,099,160. Method and Apparatus for Drying. Nov. 16, 1937. Removing moisture from rolls in the early part of the drier section of a regenerated cellulose casting machine before contact of the film therewith by playing a current of hot air against said rolls.

Pat. 2,099,162. Process and Apparatus for Drying. Nov. 16, 1937. Preliminary drying film by passing through a region of heated air out of contact with any solid surface, to prevent sticking of sized film to rolls.

Pat. 2,115,132. Manufacture of Nonfibrous Sheets and Films. Apr. 26, 1938. A method for drying regenerated cellulose film to eliminate permanent shrinkage while simultaneously producing smooth films comprising drying with a minimum tension when the film contains 100 per cent, or less, moisture.

Pat. 2,116,193. Cellulosic Structure and Method of Preparing Same. May 3, 1938. Method for preventing shrinkage of cellulosic film on the drier rolls by incorporating a shrinkage-preventing agent, such as dewaxed shellac, in the film; preferably the agent is applied simultaneously with the softening agent.

Pat. 2,141,377. Process and Apparatus for the Production of Sheeting. Dec. 27, 1938. A process of drying nonfibrous film, such as regenerated cellulose film, which provides greater control of shrinkage and preferably reduction of the amount of shrinkage of the film comprises the use of an aluminum roll having an anodised, unsealed surface.

Pat. 2,254,200. Cellulosic Sheeting. Sept. 2, 1941. Regenerated cellulose film, either during the initial drying process or as a finished film, is conditioned prior to treatment upon the compensating, or low tension, drier to remove permanent shrinkage by immersing in a mixture of water and a water miscible liquid calculated to impart a definite uniform moisture content to the film.

Pat. 2,254,203. Method and Apparatus for the Production of Sheets and Films. Sept. 2, 1941. Method of casting viscose and related films in concurrently flowing baths in long shallow trays, wherein the film is in relatively stress-free condition.

Pat. 2,254,237. Process. Sept. 2, 1941. Economical method of regenerating the sulfuric acid and salt bath used to coagulate viscose filaments and film in which concentrated sulfuric acid is added to depleted bath in an evaporator so as to utilise the heat of dilution in evaporating excess water.

Pat. 2,275,347. Cellulosic Structure and Method for Preparing Same. Mar. 3, 1942. Toughening regenerated cellulose film by allowing it to shrink freely in the early part of the drying operation.

Pat 2,275,348. Cellulosic Film and Method of Making. Mar. 3, 1942. Up to 60 per cent of the potential or maximum shrinkage of a gel regenerated cellulose film is allowed during the first stage of drying and shrinkage is prevented during the last stage of the drying process to produce a toughened film of low permanent shrinkage.

Pat. 2,306,161. Drying. Jan. 12, 1943. Apparatus for tentering regenerated cellulose film during drying in order to control lateral shrinkage of the film.

Pat. 2,338,182. Regenerated Cellulosic Film. Jan. 4, 1944. Gel viscose sheeting immediately after coagulation is transported through a gaseous environment in the presence of acid so that regeneration takes place in the sheet while it is under low tension.

Pat. 2,360,405. Regenerated Cellulosic Film Coagulating Bath. Oct. 17, 1944. Addition of alkyl substituted bensene sulfonic acid derivatives to the acid coagulating bath to reduce the number of lip wipings required to give satisfactory film.

Pat. 2,387,718. Extrusion Apparatus. Oct. 30, 1945. An improved extrusion apparatus for regenerated cellulose film comprising a body section, a pair of spaced orifice-defining lips, means for differentially adjusting said lips along the length thereof to regulate the contour of opposite sides of said orifice, and a laterally adjustable lip supporting block connected between each lip and said body section.

Pat. 2,418,660. Manufacture of Regenerated Cellulose Structures. Apr. 8, 1947. A method of producing regenerated cellulose film of a dependably low and uniform sulfide sulfur content by washing the film in hot dilute acid preliminary to bleaching.

Pat. 2,431,738. Production of Shrinkproof Film. Dec. 2, 1947. A process for making a wrinkle free regenerated cellulose film having low permanent shrinkage by coating with a water insensitive film forming material and then subjecting the coated film to water or steam and drying under very low tension.

Patents Relating to Casting Processes for Regenerated Cellulose Film

Pat. 1,910,502. Method of Producing Films. May 23, 1933. A method of producing decorated or embossed sheets of regenerated cellulose by embossing on the casting machine while the film is in the gel state.

Pat. 1,983,531. Manufacture of Sheets or Films of Regenerated Cellulose. Dec. 11, 1934. Very thin sheets or films of regenerated cellulose are cast from viscose prepared from unaged or slightly aged alkali cellulose; said viscose contains not more than four per cent cellulose and has a viscosity approximately that possessed by cellulosic solutions containing seven to eight per cent cellulose.

Pat. 2,039,883. Casting Method and Apparatus Therefor. May 5, 1936. A method of casting cellulosic sheets on a large drum which holds the film from lateral shrinkage during the coagulating and regenerating operation.

Pat. 2,042,588. Cellulose Structure. June 2, 1936. A non-deforming, highly dielectric regenerated cellulose film is produced by oil impregnation.

Pat. 2,123,493. Cellulosic Structure and Method of Preparing Same. July 12, 1938. A cellulosic material which can be obtained in various forms such as sheets, tubes, caps, etc., by treating cellulose xanthate with an aldehyde, such as formaldehyde; the cellulose xanthate-aldehyde requires no further regeneration and is clear, transparent, flexible, less sensitive to moisture than regenerated cellulose and possessed of exceptionally good dielectric properties.

Pat. 2,144,356. Method for Producing a Cellulosic Structure. Jan. 17, 1939. Method of producing regenerated cellulose film of uniform physical characteristics in all directions comprising coagulating in a metal salt bath to form the corresponding metallic cellulose xanthate, particularly zinc cellulose xanthate, stretching in a transverse direction, regenerating, purifying and drying.

Pat. 2,273,890. Cellulose Article. Feb. 24, 1942. The development of color in softened regenerated cellulose film is inhibited by amino-imino-methane sulfoxylic acid, its esters and salts.

Pat. 2,309,609. Apparatus for Making Regenerated Cellulosic Film. Jan. 26, 1943. A regenerated cellulose sheet casting machine using stationary, immersed, lower guide members in combination with upper positively driven guides in the treating tanks, said guides being arranged in a manner for leading the film in a continuous path through the treating liquids.

Patents Relating to Softeners and Sizes for Regenerated Cellulose Film

Pat. 1,979,936. Method of Coating and the Product Resulting Therefrom. Nov. 6, 1934. Coated regenerated cellulose film is rendered flexible by means of formamide applied either as a coating constituent or as a softener in the base sheet, alone or with glycerol.

Pat. 2,008,815. Process for Preventing Adhesion of Films. July 23, 1935. To reduce the tendency for stacked sheets of regenerated cellulose to stick together, the gel sheets are treated with sodium silicate and a lime salt and dried.

Pat. 2,011,246. Wrapping Material. Aug. 13, 1935. The method of reducing the sticking of stacked sheets, as of regenerated cellulose, by coating with and imperceptible layer of protein (gelatin) which is insolubilised and dried.

Pat. 2,074,336. Cellulosic Pellicle and Method for Preparing Same. Mar. 23, 1937. The method of producing flexible pellicles of cellulosic materials, such as regenerated cellulose, by treating with a mixture of a water soluble solid amide (carbamide) and other softener such as glycerol, glycol, and the like.

Pat. 2,074,349. Cellulosic Pellicles and Method for Preparing Same. Mar. 23, 1937. Cellulosic pellicles are softened by treatment with a water soluble amide which is solid at room temperature.

Pat. 2,095,129. Cellulosic Materials and Methods of Making Same. Oct. 5, 1937. Cellulosic pellicles are treated with a water soluble softener and a size to prevent adhesion during storage.

Pat. 2,120,227. Purification of Glycerol. June 14, 1938. To render glycerol suitable for use in regenerated cellulose articles, it is deodorised by treatment with activated charcoal.

Pat. 2,123,700. Nonfibrous Film and Method of Making Same. July 12, 1938. A dispersion of a cellulose derivative is used to provide an anti-sticking size for regenerated cellulose film.

Pat. 2,137,274. Cellulosic Film and Method of Making Same. Nov. 22, 1938. Solid, waxy amines or their salts are used as anti-sticking sizes for regenerated cellulose film.

Pat. 2,167,105. Cellulosic Material and Method of Making Same. July 25, 1939. Slightly water soluble salts, such as lithium phosphate, are used as sizes to make anti-sticking flexible regenerated cellulose film.

Pat. 2,170,845. Cellulosic Structure and Method for Preparing Same. Aug. 29, 1939. N-hydroxyalkyl amides are used as softeners for regenerated cellulose, ethanol formamide is a representative example of the softeners used.

Pat. 2,191,894. Cellulosic Structure and Process for Producing Same. Feb. 27, 1940. Certain polyhydric esters of carbamic acid, such as glycerol monocarbamate, as softeners for regenerated cellulose film.

Pat. 2,191,895. Plasticizing Cellulosic Structures. Feb. 27, 1940. Hydroxy acid addition products of ethanolamine, such as ethanolamine glycollate or lactate, as softeners for regenerated cellulose film.

Pat. 2,191,896. Plasticising Cellulosic Articles. Feb. 27, 1940. Formic acid addition products of ethanolamine as softeners for regenerated cellulose film.

Pat. 2,191,897. Plasticising Cellulosic Articles. Feb. 27, 1940. Levulinic acid addition products of ethanolamine as softeners for regenerated cellulose film.

Pat. 2,199,927. Cellulosic Pellicle. May 7, 1940. Hydroxyalkyl derivatives of ammonia as softeners for regenerated cellulose.

Pat. 2,206,046. Cellulosic Pellicles Coated With Anti-Sticking Agent. July 2, 1940. The use of solid, water insoluble amides as sizes for regenerated cellulose film, for example, the stable emulsion consisting of stearamide, stearic acid, and sodium silicate.

Pat. 2,215,974. Ethanolamine Hydrochloride Softener for Regenerated Cellulose. Sept. 24, 1940. The hydrochloric acid addition product of a mono-, di-, or triethanolamine as softener for regenerated cellulose film.

Pat. 2,221,383. Cellulosic Structure and Method for Producing Same. Nov. 12, 1940. Certain ammonium alkyl sulfonates, such as ammonium propane sulfonate, diethanol ammonium ethane sulfonate, and the like, as softeners for regenerated cellulose film.

Pat. 2,226,554. Sized Pellicle. Dec. 31, 1940. The use of insoluble tannates formed in situ in the film as sizing materials for regenerated cellulose film.

Pat. 2,234,016. Cellulosic Structure and Process for Producing Same. Mar. 4, 1941. Hydroxy acid amides, such as lactamide, as softeners for regenerated cellulose film.

Pat. 2,236,526. Nonfibrous Structure and Method for Preparing Same. Apr. 1, 1941. Sizing material is applied to the surface of gel regenerated cellulose or other water-sensitive film preferably by means of spraying a solution of the size in such a distribution that, in spite of uneven shrinkage of the film upon drying a uniform distribution of the size upon the surface of the dried film will result.

Pat. 2,251,752. Sized Regenerated Cellulose Pellicle. Aug. 5, 1941. The use of wax-like higher ketones as sizing agents for regenerated cellulose film.

Pat. 2,279,339. Cellulosic Structure and Method for Making Same. Apr. 14, 1942. Certain amide esters, such as diethanol formamide carbonate or N-acetyl-beta-aminoethyl acetate, as softeners for regenerated cellulose film.

Pat. 2,280,812. Purification. Apr. 28, 1942. Filtration of the glycerol or glycol baths used to soften films of regenerated cellulose through diatomaceous earth (Celite) in order to minimize discoloration of film caused by the presence of lead and iron.

Pat. 2,308,732. Colored Cellulosic Film. Jan. 19, 1943. Alkaline sizing compositions based on sodium silicate are rendered suitable for use with alkaline sensitive dyes applied to regenerated cellulose film by the incorporation of an ammonium salt of a polycarboxy organic acid.

Pat. 2,311,910. Cellulosic Article. Feb. 23, 1943. Reducing agents containing sulfur as color inhibitors for softened regenerated cellulose film, especially such containing amine derivative softeners.

Pat. 2,316,496. Process for Producing Non-Sticking, Smooth, Flameproofed, Thin, Flexible Sheeting. Apr. 13, 1943. Carnauba wax-shellac emulsion as a size for regenerated cellulose film softened with sulfamic acid derivatives.

Pat. 2,328,679. Cellulosic Structure. Sept. 7, 1943. Materials of the type of ethylene oxide polymer as softeners for regenerated cellulose film.

Pat. 2,378,479. Sheet Material. June 19, 1945. Water soluble organic sulfoxidates, including sulfones and sulfoxides, as softeners for regenerated cellulose structures; the use of high concentrations is disclosed.

Pat. 2,406,905. Method for Producing Cellulosic Structures. Sept. 3, 1946. Synthetic linear polymeric materials, such as polymers containing amide, ester, ether, ketal or acid groups, as softeners for regenerated cellulose film.

Patents Relating to Methods and Compositions for Use in the Production of Coated Moistureproof Films

Pat. 1,989,681. Moistureproof Material and Process of Making Same. Feb. 5, 1935. Regenerated cellulose films are impregnated with a moistureproofing coating comprising wax and a resin and are then coated with a nitrocellulose or cellulose ester lacquer or shellac to yield a smooth, non-tacky, moistureproof film.

Pat. 1,997,583. Composition of Matter and Material Made Therefrom. Apr. 16, 1935. Moistureproof, transparent, and flexible wrapping tissue capable of being heat sealed by heat and pressure to produce a strong joint comprising a base thinly coated on both sides with a composition comprising pyroxylin of low nitrogen content, plasticiser, wax and optionally small amounts of resin.

Pat. 2,042,589. Moistureproof Material and Method of Making the Same. June 2, 1936. A process for moistureproofing wet film of a cellulosic material, such as regenerated cellulose, comprises using a lacquer which may or may not contain water and simultaneously removing the water and lacquer solvent.

Pat. 2,051,944. Moistureproofing Composition and Method of Making Same. Aug. 25, 1936. Melt compositions for moistureproofing comprising essentially a wax composition containing rubber with desired additives as blending, hardening, or heat-seal agents.

Pat. 2,061,874. Moistureproof Material and Method of Making Same. Nov. 17, 1936. Moistureproof regenerated cellulose film is prepared by treating the wet film with an aqueous disperaion containing a moistureproofing wax, a hardening agent and a softener, by first subjecting the treated film to a temperature about equal to the melting point of the wax, and then to a somewhat lower temperature.

Pat. 2,064,292. Composition of Matter. Dec. 15, 1936. An air drying, moistureproof lacquer comprises a cellulose derivative, wax, and solvent and optional additives as resins or blending agents.

Pat. 2,077,396. Moistureproof Material. Apr. 20, 1937. A moistureproof coating composition, for wrapping tissues, comprising a cellulose derivative, rubber, wax, and optionally a resin and plasticiser.

Pat. 2,077,399. Moistureproof Films. Apr. 20, 1937. Moistureproof regenerated cellulose may be obtained by coating with a composition comprising neoprene, wax, solvent, pyroxylin, and plasticiser.

Pat. 2,077,400. Moistureproof Materials and Method of Making Same. Apr. 20, 1937. A moistureproof material comprises a base formed of regenerated cellulose coated with a composition comprising rubber and a moistureproofing wax with or without a hardening agent.

Pat. 2,085,816. Moistureproof Film. July 6, 1937. Moistureproofing compositions comprising hydrorosinate, a wax material and a cellulose derivative.

Pat. 2,094,771. Composition of Matter. Oct. 5, 1937. Moistureproofing compositions for regenerated cellulose film which comprise a major portion of wax and relatively little cellulose derivative, such as nitrocellulose, have the advantage of application, if desired, from a single solvent.

Pat 2,098,534. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid alcohols, as diheptadecyl carbinol.

Pat. 2,098,535. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include organic mono-ethers, as dioctadecyl ether.

Pat. 2,098,536. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid organic polyethers, as diethylene glycol dicetyl ether.

Pat. 2,098,537. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid ketones, such as stearone.

Reissue Pat. 20,845. (Original 2,098,538). Moistureproof Article. Original, Nov. 9, 1937. Reissue, dated Sept. 6, 1938. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid amides such as stearanilide.

Pat. 2,098,539. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include organic halogen compounds, such as ceryl bromide.

Pat. 2,098,540. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid organic ether-esters, such as naphthoxyethyl stearate.

Pat. 2,098,541. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid organic metallic compounds, such as tetracetyl lead.

Pat 2,098,542. Moistureproof Article. Nov. 9, 1937. Moistureproofing agents for use as wax substitutes in coating compositions for regenerated cellulose film and self-sustaining film include solid organic sulfur compounds, such as thio-ethers, acids, and mercaptans.

Pat. 2,100,377. Article of Manufacture and Method of Making Same. Nov. 30, 1937. Coating or casting compositions, especially adaptable for moistureproofing paper, regenerated cellulose, etc., comprising a polyether resin and a wax.

Pat. 2,108,805. Transparent Materials and Method of Producing Same. Feb. 22, 1938. Transparent and moistureproof materials, such as paper, regenerated cellulose film, etc., are produced by applying a wax undercoat and a topcoat of a cellulose derivative, a cellulose derivative and resin, or a resin lacquer which may or may not be wax-containing.

Pat. 2,137,636. Moistureproofing Process and Product Produced Therefrom. Nov. 22, 1938. Moistureproofing compositions comprising polymerised methyl methacrylate and a wax suitable for application to various bases including regenerated cellulose, cellulose esters (acetate), ethers, etc.

Pat. 2,138,578. Method and Apparatus for the Production of Cellulosic Structures. Nov. 29, 1938. The method of clarifying moistureproof material, such as regenerated cellulose film, by subjecting the coated film to a solvent vapor treatment with naphtha butyl acetate, or chlorinated hydrocarbons.

Pat. 2,144,283. Method of Moistureproofing. Jan. 17, 1939. Moistureproof cellulosic pellicles are made by adding wax to viscose, regenerating, impregnating with a blending agent, such as alkyd resins, amino polymers, rosin, etc., and drying.

Pat. 2,147,180. Moistureproof Coating. Feb. 14, 1939. Moistureproofing compositions applicable to regenerated cellulose films comprise a wax and a modified resin.

Pat. 2,147,628. Moistureproof Material. Feb. 21, 1939. Two-stage process for moistureproofing regenerated cellulose film includes coating with a moistureproofing composition comprising a gum, a wax, and a plasticiser, followed by coating said moistureproof layer with a lacquer.

Pat. 2,147,629. Coated Material and Method of Producing Same. Feb. 21, 1939. Moistureproof regenerated cellulose film made by coating with a resin and a wax, with or without a softener.

Pat. 2,159,151. Method of Moistureproofing. May 23, 1939. Cellulosic films, such as regenerated cellulose films, are coated with a molten moistureproofing composition, for example, a mixture of paraffin and candelilla wax with castor oil, passed between one set of oppositely disposed heated doctor knives to remove excess coating, then between a second set of heated doctor knives to smooth the coating.

Pat 2,159,152. Method of Making Moistureproof Material. May 23, 1939. Films such as regenerated cellulose films are coated with a molten moistureproofing composition comprised of rubber, wax, and a blending agent, such as an alkyd resin, rosin, or a vinyl resin.

Pat. 2,169,366. Moistureproof Material and Method of Making the Same. Aug. 15, 1939. Moistureproofing composition for regenerated cellulose films comprises an aqueous dispersion of the salt of an amino polymer, such as the interpolymer of dicyclohexylaminoethyl alpha-methacrylate and dimethylaminoethyl alpha-methacrylate, wax, rosin, and a softener.

Pat. 2,177,473. Adsorption Material. Oct. 24, 1939. Activated carbon for solvent recovery is washed with dilute organic acid such as acetic acid to reduce the tendency of the carbon to oxidize.

Pat. 2,193,831. Moistureproofing. Mar. 19, 1940. Moistureproofing compositions comprising nitrocellulose and either a cellulose ether or ester of a higher fatty acid.

Pat. 2,205,210. Candy Wrapper. June 18, 1940. A wrapper for sticky candies utilising regenerated cellulose film coated with a composition comprising a wax moistureproofing agent and an organic solvent soluble cellulose ether film former.

Pat. 2,205,428. Moistureproofing. June 25, 1940. Moistureproof coating compositions comprising a sulfurized organic material as a blending agent for the moistureproofing wax.

Pat. 2,209,965. Transparent Moistureproof Pellicle and Method for Making Same. Aug. 6, 1940. Self sustaining regenerated cellulose sheets are rendered moistureproof by coating with a Pliofoam wax composition.

Pat. 2,236,546. Heat Sealable Moistureproofing Composition. Apr. 1, 1941. Terpinene, maleic anhydride polybasic acid resin complexes as blending agents in moistureproofing nitrocellulose coating compositions for regenerated cellulose film.

Pat. 2,292,393. Moistureproof Sheet Wrapping Material. Aug. 11, 1942. Nitrocellulose, wax coating compositions for regenerated cellulose film in which the moistureproofness has been enhanced by the addition of polymeric methacrylate esters.

Pat. 2,306,478. Moistureproof Sheet Wrapping Material. Dec. 29, 1942. Moistureproof coating compositions having good adhesion for regenerated cellulose film comprising wax and a phenol modified rubber.

Pat. 2,307,057. Transparent Film. Jan. 5, 1943. Moistureproofing coating compositions comprising halogenated aliphatic hydrocarbon blending agents.

Pat. 2,316,274. Coating and Production of Coated Structures. Apr. 13, 1943. A polymerizable, non-volatile solvent is used, such as cyclohexyl methacrylate, as a vehicle for ingredients designed to produce upon polymerization of the solvent in situ a moistureproof coating as on regenerated cellulose film.

Pat. 2,333,730. Phenol-Rubber Polybutene Composition and Article Made Therefrom. Nov. 9, 1943. Phenol modified rubber and wax stabilized with isobutylene polymers as moistureproofing coating composition.

Pat. 2,342,209. Moistureproofed Regenerated Cellulose. Feb. 22, 1944. Moistureproof coating compositions comprising Pliolite stabilized with isobutylene derivatives.

Pat. 2,345,597. Phenol-Rubber Containing Composition. Apr. 4, 1944. Phenol modified rubber compositions stabilized with amine resins are used as adhesives and coating compositions.

Pat. 2,350,366. Moisture-Resistant Cellophane. June 6, 1944. Cyclized rubber stabilized with an amine polymer, such as a phenol formaldehyde piperazine resin, as film former in moistureproof coating composition.

Pat. 2,350,385. Cyclized Rubber Containing Basic Amino Polymers. June 6, 1944. Cyclized rubber and coating compositions containing the same are stabilized by the incorporation therein of minor proportions of basic amino polymers.

Pat. 2,364,089. Cyclized Rubber-Unsaturated Carbonyl Compound Reaction Products. Dec. 5, 1944. Moistureproof coating compositions comprising Pliolite modified and stabilized with maleic anhydride.

Pat. 2,364,158. Rubber Derivatives Products. Dec. 5, 1944. Moistureproofing coating compositions comprising phenol modified rubber stabilized with maleic acid derivatives.

Pat. 2,430,726. Heat Sealing Moistureproofing Coatings. Nov. 11, 1947. Heat sealable moistureproof coating compositions for regenerated cellulose films containing rubber modified beta naphthol and as a stabilizer therefor compounds such as N:N:N':N'-tetra-ethyl-4, 4'-diamino-diphenyl methane.

Patents Relating to the Anchorage of Moistureproofing Coatings on Regenerated Cellulose Film

Pat. 1,962,338. Moistureproof Material and Method of Making Same. June 12, 1934. A coating of hydrolysed gelation is used to anchor moistureproof coatings on regenerated cellulose film.

Pat. 1,972,869. Moistureproof Material and Method of Making Same. Sept. 11, 1934. Moistureproof coating anchored to regenerated cellulose film by means of a coating of an oil modified glyptal resin of the drying oil type, such as a perilla oil modified glyptal.

Pat. 1,990,080. Moistureproof Material. Feb. 5, 1935. A coating of unvulcanized rubber is used to anchor a moistureproofing coating to a regenerated cellulose film.

Pat. 2,022,490. Moistureproof Material. Nov. 26, 1935. An anchored moistureproof coating comprising a drying oil or a drying oil modified alkyd resin and a wax provides a non-tacky, flexible, cellulosic or albuminous sheet.

Pat. 2,030,962. Moistureproof Material and Method of Making Same. Feb. 18, 1936. An intermediate coating consisting of a drying oil is applied to the surface of nonporous films, such as regenerated cellulose films, to anchor a moistureproofing topcoat.

Pat. 2,042,638. Coated Materials and Method of Producing Same. June 2, 1936. An anchored moistureproof coating is obtained by first impregnating regenerated cellulose film with a water insoluble softener, such as tricresyl phosphate, diamylphosphate, or castor oil, which is compatible with the coating composition.

Pat. 2,087,013. Coated Articles and Method of Making Same. July 13, 1937. Anchorage of moistureproof coating composition to bases such as regenerated cellulose film by forming in situ on the base an imperceptible layer of insoluble inorganic oxide, such as alumina and silica.

Pat. 2,096,122. Cellulosic Structure and Method for Preparing Same. Oct. 19, 1937. Anchorage of moistureproofing compositions to bases such as regenerated cellulose film by means of an imperceptible layer of sulfur.

Pat. 2,122,418. Product and Process of Preparing Same. July 5, 1938. Anchorage of coating compositions, such as moistureproofing compositions, to bases such as regenerated cellulose films by means of an intermediate layer of deacetylated chitin.

Pat. 2,122,433. Coated Films and Method of Making the Same. July 5, 1938. Moistureproof coatings are anchored to regenerated cellulose films by means of an intermediate coating of amine-phenol-aldehyde resins, such as a phenol, formaldehyde, dimethylamine resin.

Pat. 2,159,007. Composite Article and Method for Producing Same. May 23, 1939. The anchorage of moistureproof coating compositions to cellulosic bases, such as regenerated cellulose film, by means of an insoluble synthetic resin of the phenol aldehyde or urea aldehyde type which may be deposited from solution, added to the viscose or prepared in situ.

Pat. 2,273,880. Moistureproof Sheet Wrapping Material. Feb. 24, 1942. The use of polymers of butadiene as anchoring agents in moistureproofing coating compositions for regenerated cellulose and related films, and also as a sub-coat for anchoring moistureproofing coatings.

Pat. 2,280,829. Coated Cellulosic Film. Apr. 28, 1942. A sub-coat comprising dimethylol urea derivatives for anchoring moistureproofing coating compositions to regenerated cellulose film.

Pat. 2,281,589. Moistureproof Wrapping Material. May 5, 1942. Ketone dimers, such as hexadecylketene dimer, oleic acid ketene dimer, are added to moistureproofing coating compositions to produce anchorage to regenerated cellulose films.

Pat. 2,301,959. Moistureproof Sheet Wrapping Material. Nov. 17, 1942. Self-anchored moistureproof coating compositions for regenerated cellulose film comprise dimethylol urea ether resins, film formers, such as chlorinated rubber or nitrocellulose, a wax, resin, and a plasticizer.

Pat. 2,432,542. Method of Producing Coated Cellulosic Sheets. Dec. 16, 1947. Improved anchorage of coatings to regenerated cellulose film, and improved heat seal is obtained by impregnating the gel film with a partially condensed, hydrophobic, melamine formaldehyde resin which is cured in situ, in the presence of hydroxy acetic acid.

Patents Relating to Plasticizers for Moistureproofing Coatings Used on Regenerated Cellulose Film

Pat. 2,047,663. Alicyclic Carbinol Esters of Polycarboxylic Acids and Process of Making the Same. July 14, 1936. Alicyclic carbinol esters of polycarboxylic acids, e. g., hexahydrobensyl phthalate, for use as plasticisers in compositions containing cellulose esters or ethers.

Pat. 2,049,207. Esters From Halogenated Paraffins. July 28, 1936. Product of the reaction of halogenated paraffin wax with a salt of a carboxylic acid, is useful as a plasticising agent in coating compositions and plastics.

Pat. 2,079,379. Coated Material and Method of Making Same. May 4, 1937. Heat sealable moistureproofing compositions comprising dicyclohexyl phthalate as plasticiser with low nitrogen pyroxylin.

Pat. 2,079,395. Cellulosic Product and Process of Making Same. May 4, 1937. Moistureproofing compositions for regenerated cellulose film comprising a cyclohexyl phthalate as plasticiser for the nitrocellulose component of said composition.

Pat. 2,101,227. Polycarboxylic Acid Esters of Poly-Unsaturated Higher Alcohols. Dec. 7, 1937. The polycarboxylic acid esters of long chain polyunsaturated alcohols from catalytic carboxyl reduction of drying oils are high boiling and useful as plasticisers for coating and plastic compositions.

Pat. 2,186,262. Composition and Method for Preparing Same. Jan. 9, 1940. Aryl sulfonamide derivatives having at least one N-substituent of four or more carbon atoms as plasticisers for cellulose derivative compositions including moistureproofing compositions, as for example, butyl toluene sulfonamide.

Pat. 2,192,814. Moistureproof Material. Mar. 5, 1940. Alicyclic substituted aryl sulfonamides as new compounds as plasticisers for cellulose derivative compositions, such as N-cyclohexyl-p-toluene sulfonamide.

Pat. 2,197,479. Carbamic Acid Esters of Monoalkyl Ethers of Polyalkylene Glycols. Apr. 16, 1940. Carbamates of ether alcohols as new materials are used as plasticisers for cellulosic materials, such as cellulose derivatives and in coating compositions.

Pat. 2,216,812. Moistureproof Sheet Material and Moistureproofing Composition. Oct. 8, 1940. Polyaryl derivatives of amides of fatty acids containing 6 to 18 carbon atoms, such as diphenyl lauramide, are used as plasticisers for cellulose derivative moistureproofing coating compositions for transparent films.

Pat. 2,216,826. Moistureproof Sheet Material and Moistureproofing Composition. Oct. 8, 1940. Mono-aryl derivatives of amides of fatty acids containing 6 to 10 carbon atoms are used as plasticizers for cellulose derivative moistureproofing coating compositions for transparent film.

Pat. 2,216,827. Cellulose Derivative Compositions of Matter and Articles Produced Therefrom. Oct. 8, 1940. Amides of long chain unsaturated aliphatic acids are used as plasticisers in moistureproofing coating compositions.

Pat. 2,293,458. Moistureproof Sheet Wrapping Material. Aug. 18, 1942. Cyclohexane sulfonamide derivatives as plasticisers in moistureproof coating compositions for regenerated cellulose film.

Pat. 2,311,831. Moistureproofing Coating Composition. Feb. 23, 1943. Copolymerized or condensed plasticisers and blending agents for moistureproofing coating compositions.

Pat. 2,374,767. Grease-Resistant Film. May 1, 1945. Oil insoluble plasticisers, such as ether alcohol phthalates, are added to heat sealable moistureproofing coating compositions to give oil and grease resistance thereto.

Patents Relating to Slip Agents for Moistureproofing Coatings Used on Regenerated Cellulose Film

Pat. 2,177,645. Moistureproof Coated Sheet. Oct. 31, 1939. Moistureproofing compositions containing as slip agents therefor organic compounds having a metal substituted for an enolic hydrogen, the compound being soluble in the solvents for the coating composition but incompletely compatible with the dry coating constituents.

Pat. 2,213,252. Coating. Sept. 3, 1940. Moistureproofing compositions containing as slip agents therefor organic compounds containing a metal substituted for a hydroxyl hydrogen; the compound, such as an aluminum salt of a modified rosin, is soluble in the solvent of the coating composition but not completely compatible with a dry coating.

Pat. 2,234,565. Moistureproof Coating. Mar. 11, 1941. A moistureproofing composition containing as slip agents therefor, as the aluminum salt of rosin and modified rosin, double metallic carboxylates soluble in the solvents of the coating composition but not completely compatible with the dry coating.

Pat. 2,388,326. Moistureproof Sheet. Nov. 6, 1945. Organic solvent insoluble, high melting solid organic materials, such as 1,2-dihydronaphthalene, as slip agents in moistureproof coatings for regenerated cellulose film.

Patents Relating to Slitting Machines and Other Mechanical Equipment Useful in the Manufacture of Thin Films

Pat. 1,980,392. Slitting Machine. Nov. 13, 1934. A bench type, open ended rewinding and slitting machine which is particularly adapted for use with cellulosic film such as regenerated cellulose.

Pat. 1,996,176. Slitting Machine. Apr. 2, 1935. A slitting machine for regenerated cellulose film in which the slitting elements consist of individually adjustable razor blades.

Pat. 2,006,943. Slitting Machine. July 2, 1935. A slitting machine comprising shear cutters especially adapted for thin cellulosic sheeting.

Pat. 2,167,669. Sealing Structure. Aug. 1, 1939. A packing gland for preventing the leakage of fluids from fluid containing receptacles around rotating shafts projecting therethrough, as for the processing tanks of a regenerated cellulose film casting machine, in which a graphite or composition ring supported by a flexible rubber diaphragm is held by hydrostatic pressure of the bath fluid against a steel ring mounted on the rotating shaft.

Pat. 2,180,119. Adsorber Apparatus. Nov. 14, 1939. An intake air distributor consisting of a tube with a tapering opening covered with fine mesh screening is used for distributing gases containing volatile solvents to the absorber units of solvent recovery equipment.

Pat. 2,181,124. Tube Cutting Apparatus. Nov. 28, 1939. An apparatus for cutting laminated paper tubes especially valuable in cutting cores for winding regenerated cellulose film. The machine comprises a combined core stop and mandrel support which rotates with the mandrel, a roller which contacts the core and drives it positively against the stop, and a driven rotary knife with a steep bevel which can be accurately and readily adjusted to cut cores of different lengths.

Pat 2,287,768. Roller Having Surface of Sponge Rubber Knobs. June 30, 1942. A sponge rubber guide roll for wrapping machines and the like useful as an idler roll over which a flexible sheet, such as regenerated cellulose film, can be passed to compensate for irregularities in the film as it leaves the feed roll in a plane.

Patents Relating to Transparentized Papers, Laminations and Special Property Films and Coatings

Pat. 1,934,824. Tracing Material. Nov. 14, 1933. A tracing sheet comprises regenerated cellulose provided with an ink retaining surface of a cellulose derivative, as nitrocellulose, a resin, a gum dammar, and a filler, as chalk, starch, or talc.

Pat. 1,983,520. Laminated Material. Dec. 11, 1934. Moistureproofed regenerated cellulose film is laminated to metal foil by means of a waxy substance, paraffin, ceresin, or hydrogenated oils.

Pat. 1,983,530. Tissue for Cigarettes. Dec. 11, 1934. Tissues for wrapping tobacco to form cigarettes comprise softener free, humidified regenerated cellulose film less than 0.02 mm. in thickness.

Pat. 1,983,870. Laminated Material and Method of Preparing Same. Dec. 11, 1934. Wrinkleproof laminated materials, one lamina of which is a film of regenerated cellulose, are prepared by preshrinking the cellulose film.

Pat. 1,963,871. Method of Laminating. Dec. 11, 1934. A process for laminating regenerated cellulose sheeting to a lacquered or printed base includes spraying the base with a solvent to increase its receptivity to the adhesive.

Pat. 1,992,249. Laminated Material. Feb. 26, 1935. An adhesive for laminating moistureproofed materials, such as moistureproofed regenerated cellulose, to paper, fabric or metal foil contains glyptal resin and polyterpene resins, which are thermoplastic and are subject to cold flow.

Pat. 1,997,857. Moistureproof Material. Apr. 16, 1935. Moistureproof wrapping material of enhanced water insensitivity consists of a cellulose acetate base coated with a composition comprising a cellulose derivative, such as nitrocellulose, a resin, such as gum dammar, a wax, and optionally a plasticiser, such as dibutyl phthalate.

Pat. 2,029,481. Esterification of Cellulosic Materials. Feb. 4, 1936. The water sensitivity of regenerated cellulose structures is reduced by esterifying the formed articles to cellulose esters insoluble in the solvents for prior esters of an equal degree of esterification.

Pat. 2,062,179. Articles of Manufacture. Nov. 24, 1936. Transparent light filters, which screen out the ultra-violet rays, useful as protective wrappers to retard rancidity development in oil-bearing foods can be sheets of regenerated cellulose having a moistureproofing coating which contains as an ultraviolet ray absorbent aminobensophenone, or diaminobensophenone. Regenerated cellulose or other base materials may be impregnated with or coated with compositions comprising the light absorbing agent.

Pat. 2,065,792. Moistureproof Gelatine. Dec. 29, 1936. The method of moistureproofing gelatine sheets which comprises hydrolysing the gelatine surface and then applying a cellulose derivative, such as nitrocellulose, a resin, such as gum mastic, and a wax-coating composition.

Pat. 2,067,066. Articles of Manufacture and Process of Preparing Same. July 13, 1937. Coated cellulosic films, such as regenerated cellulose, softened with ethylene glycol are adapted to low temperature conditions.

Pat. 2,108,804. Moistureproof Material and Process of Making Same. Feb. 22, 1938. A method for making a transparent paper by supercalendering and coating with a transparentizing and moistureproofing composition, for example, ethyl cellulose resin, and wax.

Pat. 2,108,806. Cellulose Materials and Method of Treating Same. Feb. 22, 1938. Cellulosic materials, such as paper, which are to be subsequently calendered and coated are impregnated with a wetting agent, such as sodium stearate or triethanolamine oleate.

Pat. 2,108,807. Transparent Material and Method of Making Same. Feb. 22, 1938. Transparentizing and moistureproofing paper by applying a resin undercoat, such as an ester gum paraffin wax coating, and a topcoat of moistureproofing lacquer.

Pat. 2,108,808. Transparent Materials and Method of Making Same. Feb. 22, 1938. In a method of making transparent paper sheets, the use of a water soluble impregnant for the base, such as chlorine treated starch, to fill in the pores and improve coating.

Reissue Pat. 20,847. (Original 2,108,809). Moistureproof Material and Method of Making the Same. Original, Feb. 22, 1938. Reissue, dated Sept. 6, 1938. Paper is transparentised and moistureproofed by impregnation with a wax composition comprising a moistureproofing wax, e. g. paraffin, a hard wax, e. g., carnauba wax, and a blending agent, e. g., ester gum.

Pat. 2,108,810. Transparent Material and Composition of Matter for Producing Same. Feb. 22, 1938. Cellulosic materials, such as paper, are transparentised and moistureproofed by coating with a composition of wax, a glycol softener, e. g., ethylene glycol or diethylene glycol.

Pat. 2,123,883. Article of Manufacture. July 19, 1938. Moistureproof low substituted cellulose ether film, e. g., glycol cellulose film, is used for a wrapping tissue.

Pat. 2,129,131. Pellicle and the Manufacture Thereof. Sept. 6, 1938. A tissue, capable of absorbing ultraviolet light and acting as a rancidity protective wrapper comprises a sheet of material, such as regenerated cellulose, having as an absorbent for ultraviolet rays a fluorescent compound, e. g., naphthylamine trisulfonic acid.

Pat 2,129,132. Article of Manufacture and Method for Producing Same. Sept. 6, 1938. A tissue capable of absorbing ultraviolet light and acting as a rancidity protective wrapper contains as ultraviolet rays absorbent a phenyl hydrazine.

Pat. 2,170,827. Cellulosic Pellicles and Methods for Producing Same. Aug. 29, 1939. The deformation of regenerated cellulose films caused by variations in humidity can be reduced by the addition of hydroxy esters, such as bis-ethoxyethyl malate, or beta-hydroxyethyl p-toluene sulfonamide.

Pat. 2,170,828. Pellicle and Process for Preparing Same. Aug. 29, 1939. The deformation of regenerated cellulose films caused by variations in humidity can be reduced by the addition of ether esters, such as diethylene glycol diethoxyacetate, bis-ethoxyethyl diglycolate.

Pat. 2,170,829. Film and Process for Preparing Same. Aug. 29, 1939. The deformation of regenerated cellulose films caused by variations in humidity can be reduced by the addition of carbamic acid esters, such as butoxy-ethyl carbamate.

Pat. 2,170,830. Cellulosic Pellicles and Process for Preparing Same. Aug. 29, 1939. The deformation of regenerated cellulose films caused by variations in humidity can be reduced by the addition of ether esters wherein the ether group is in the alcohol residue, e. g., bis-ethoxyethyl succinate.

Pat. 2,170,840. Cellulosic Film and Process for Preparing Same. Aug. 29, 1939. The deformation of regenerated cellulose films caused by variations in humidity can be reduced by addition of keto acids, such as propylene glycol di-levulinate.

Pat. 2,201,747. Method of Producing Moistureproof Cellulosic Pellicles. May 21, 1940. A moistureproof cellulose derivative pellicle, such as cellulose acetate, cast from a composition comprising the cellulose derivative, a moistureproofing agent, e. g., paraffin, a plasticizer and gum elemi as a blending agent.

Pat. 2,236,061. Method of Making Films, Threads, and the Like. Mar. 25, 1941. Polyvinyl alcohol films are coagulated in two baths: the first contains sodium hydroxide, the second an inorganic salt which has no oxidising action, such as ammonium sulfate.

Pat. 2,279,788. Mold Inhibitive Cellulosic Structure. Apr. 14, 1942. A mold inhibitive moistureproof coating composition which is applicable to regenerated cellulose film contains thiuram sulfide derivatives.

Pat. 2,283,809. Method of Coagulating Cellulosic Solutions. May 19, 1942. An economical process for preparing lowly methylated cellulose comprises spinning a caustic solution of the cellulose into a caustic sodium sulfate coagulating bath from which the caustic is readily recovered.

Pat. 2,284,100. Nonfibrous Films. May 26, 1942. A moistureproof, transparent, self sustaining film comprising polyvinyl alcohol, wax, plasticiser, e. g., mon-dodecyl phthalate, and blending agent, e. g., rosin.

Pat. 2,306,487. Adhesive. Dec. 29, 1942. Transparent films of regenerated cellulose have a coating of a permanently tacky adhesive comprising phenol modified rubber and optionally rosin and paraffin.

Pat. 2,321,764. Article of Manufacture. June 15, 1943. Coating compositions and adhesives comprising cyclised rubber stabilised with diamine diphenyl methane derivatives.

Pat. 2,338,432. Lamination of Water-Sensitive Films. Jan. 4, 1944. A method of laminating sheets or films of water sensitive material, such as regenerated cellulose, to sheets or films of like nature or to fibrous sheets of films in such a way as to substantially prevent permanent shrinkage which comprises applying a dry adhesive of gelatine and calcium chloride and laminating by pressure.

Pat. 2,364,112. Manufacture. Dec. 5, 1944. Film, such as regenerated cellulose, which prevents penetration of ultraviolet light is produced by incorporating therein a compound such as p-p'-diaminodibensoyl p-p'-diaminodibensoyl p-p'-diaminostilbene disulfo acid.

Pat. 2,412,148. Fuel Barrier. Dec. 3, 1946. A coating composition comprised of a partial polyvinyl butyral and a polyhydric phenol aldehyde resin for bonding layers of butadiene rubber to form a fuel tank.

Patents Relating to the Manufacture of Cellulose Acetate, Rubber Hydrochloride and Polyvinyl Alcohol or Acetal Films

Pat. 2,130,212. Treatment of Polyvinyl Alcohol. Sept. 13, 1938. Polyvinyl alcohol is rendered water insoluble, green in color and ultraviolet absorbent by treatment with cuprammonium hydroxide; it may be regenerated to water soluble polyvinyl alcohol by treatment of the complex with mineral acid or ammonia.

Pat. 2,150,106. Cellulosic Material and Process for Preparing Same. May 23, 1939. Labels having gelatin adhesives are moistened with an aqueous dispersion of a cellulose derivative, such as cellulose acetate or nitrocellulose, and a softener for the water energizable adhesive and are adhered to cellulose acetate sheeting.

Pat. 2,176,903. Manufacture of Nonfibrous Film. Oct. 24, 1939. Amines, such as stearylamine, or salts thereof are added to dopes for dry casting films, such as cellulose acetate or polyvinyl alcohol, to facilitate stripping of the film from a metal surface.

Pat. 2,190,287. Preservation of Rubber Hydrochloride. Feb. 13, 1940. Rubber hydrochloride flake is stabilized during storage by immersion in water or other liquids that do not liberate oxygen, such as acetone.

Pat. 2,198,621. Apparatus for Forming Film. Apr. 30, 1940. Polyvinyl alcohol is used to coat a dry casting surface, such as for casting a cellulose acetate foil, in order to facilitate stripping.

Pat. 2,207,702. Organic Solvent Soluble Cellulosic Film Plasticised With Glycol Diglycolate. July 16, 1940. Glycol diglycolate is used as a plasticiser for cellulose acetate sheeting.

Pat. 2,219,296. Organic Solvent Soluble Cellulosic Film Plasticised With Branched Chain Methyl Butane Diols. Oct. 29, 1940. Penta-glycol and the dimethyl dihydroxy isomers thereof are used as plasticisers for cellulose acetate sheeting.

Pat. 2,230,967. Plasticised Organic Solvent Soluble Cellulosic Film. Feb. 4, 1941. Amides, such as ethanol acetamide, methanol acetamide, and ethanol formamide are used as plasticisers for cellulose acetate sheeting.

Pat. 2,250,664. Composition of Matter and Articles Formed Therefrom. July 29, 1941. Nitrogen containing alcohols or their salts, such as ethanol formamide, ethanol acetamide, or ethanol lactamide, are used as softeners for polyvinyl alcohol structures.

Pat. 2,253,821. Plasticised Organic Solvent Soluble Cellulosic Film. Aug. 26, 1941. Isobutylene glycol or 2,3-butane-diol as a plasticiser for cellulose acetate sheeting.

Pat. 2,271,468. Water Soluble Polyvinyl Alcohol Softened With Beta-Hydroxy-Alkyl Ammonium Salt. Jan. 27, 1942. The use of nitrogen containing salts, such as beta-hydroxyethylammonium chloride and beta-hydroxyethyl-ammonium acetate, as softeners for polyvinyl alcohol.

Pat. 2,276,305. Film. Mar. 17, 1942. The use of salts of amines or inorganic acids and fatty acids containing more than six carbon atoms, such as triethanolamine stearate, benzyl-trimethyl ammonium myristate or calcium oleate, are used in polyvinyl acetate casting dopes to facilitate stripping of film formed therefrom by the dry casting process.

Pat. 2,281,410. Rubber Hydrohalides Stabilised With Aminomethyl Ureas. Apr. 28, 1942. Rubber hydrochloride, especially in the form of thin films, is stabilised against deterioration by light and oxygen by the incorporation of amino-methyl urea derivatives, such as bis (dimethylaminomethyl) urea or bis (morpholinomethyl) urea.

Pat. 2,281,436. Stable Rubber Hydrochloride Composition. Apr. 28, 1942. Polyethylene polyamide long chain aliphatic acid salts, such as triethylene tetramine monostearate, as stabilisers for rubber hydrochloride, especially in the form of thin, transparent sheets.

Pat. 2,281,437. Age Resistant Rubber Hydrochloride. Apr. 28, 1942. Rubber hydrochloride is stabilised by the incorporation of aliphatic derivatives of ammonia, such as benzyl trimethyl ammonium stearate.

Pat. 2,281,523. Film. Apr. 28, 1942. The use of inorganic salts of the higher fatty acids, such as sodium oleate, as strip agents in the dry casting of cellulose derivative film.

Pat. 2,281,567. Composition and Method of Preparing Same. May 5, 1942. Stabilisation of rubber hydrochloride by means of polymeric basic amino-nitrogen-containing bodies, such as phenol-formaldehyde-methylamine resin.

Pat. 2,290,180. Polyvinyl Acetal Sheet Material. July 21, 1942. Polyvinyl acetal films softened with castor oil to give tear resistant film.

Pat. 2,293,673. Film. Aug. 18, 1942. To improve the ease of stripping dry cast film of polyvinyl acetal, the use of a long chain ester or a salt thereof, such as dilauryl or dipalmityl phosphate, or monolauryl phthalate, in the casting dope.

Pat. 2,300,211. Film Producing Process and Apparatus. Oct. 27, 1942. Formation of a bead at the edge of the film during dry casting is prevented by applying a volatile solvent material at the sections surrounding the extreme ends of the casting zone.

Pat. 2,306,790. Film. Dec. 29, 1942. The use of salts of higher fatty acids, such as sodium oleate, ammonium palmitate, or triethanolamine stearate, in polyvinyl alcohol casting dope to facilitate stripping of the film from the dry casting surface.

Pat. 2,306,963. Films of Ethyl Cellulose. Dec. 29, 1942. The use of monobasic long chain alcohol esters or salts thereof, such as dilauryl phosphate, sodium amyl phthalate or monolauryl phthalate, in ethyl cellulose casting dopes to facilitate stripping of the film from the casting surface.

Pat. 2,306,964. Cellulosic Film. Dec. 29, 1942. As strip agents in cellulose derivative film forming material to be dry cast, such as ethyl cellulose, the alkyl (including hydroxyalkyl and aralkyl) salts of fatty acids containing more than six carbon atoms, such as triethanolamine stearate.

Pat. 2,321,732. Apparatus for Evaporative Castings. June 15, 1943. In the production of solvent soluble film, such as ethyl cellulose, polyvinyl acetal or rubber hydrochloride, by the dry casting process, the casting surface is protected against corrosion by ingredients in the casting dope by use of a dried and baked coating of an alkali metal silicate.

Pat. 2,328,646. Polyvinyl Butyral Sheet Material. Sept. 7, 1943. The use of diesters of octadecanediol, such as octadecanol diacetate, as plasticisers for polyvinyl acetal resins in the production of films or sheet material having a high tear resistance and which may be sewed.

Pat. 2,329,421. Apparatus. Sept. 14, 1943. The use of guide members at the ends of coating slot of hoppers used in the dry casting of films from film forming solution of high surface tension. The guide members which extend downward toward, and are held just out of contact with the casting surface, serve to direct the solution in a stream substantially the same width as that of the hopper slot.

Pat. 2,357,380. Antistatic Coating for Film. Sept. 5, 1944. Starch in combination with an electrolyte, such as potassium acetate, as an antistatic coating for organic solvent soluble film, such as cellulose acetate or polyvinyl butyrate.

Pat. 2,365,315. Manufacture of Fabrics. Dec. 19, 1944. Polyvinyl alcohol film as a ground or base for the manufacture of lace by the embroidery process.

Pat. 2,373,782. Preparation of Polyvinyl Ethers. Apr. 17, 1945. Etherification of polyvinyl alcohol to produce water insoluble polyvinyl alkyl ethers is accomplished by treatment with an alkali metal and an alkyl halide in the presence of liquid ammonia.

Pat. 2,374,759. Plasticised Rubber Hydrochloride Sheet. May 1, 1945. Dibutyl sebacate is used as a plasticiser for rubber hydrochloride structures.

Pat. 2,388,325. Spinning Process for Artificial Filaments. Nov. 6, 1945. Inorganic salts are removed from wet-spun polyvinyl alcohol structures by washing with acetone water mixtures.

Pat. 2,391,986. Protective Sheet for Rubber. Jan. 1, 1946. Plasticised polyvinyl alcohol film as a protective covering for uncured rubber.

Pat. 2,412,947. Dry Casting Solution of Cellulose Acetate. Dec. 24, 1946. Improved strippability of cellulose acetate film is obtained by incorporating in the casting dope a small amount of water insoluble cellulose ether, such as ethyl cellulose or benzyl cellulose which is not compatible with the cellulose acetate.

Pat. 2,419,231. Polyvinyl Alcohol Film. Apr. 22, 1947. The addition of cetyl dimethyl benzyl ammonium chloride to polyvinyl alcohol casting dope or to solutions of other water soluble polymeric film forming materials to serve both as an agent to aid the dope in wetting the casting surface and to later facilitate stripping the substantially dry film from the surface.

Pat. 2,430,065. Containers of Polyvinyl Acetals. Nov. 4, 1947. Use of a film of a partial acetal of polyvinyl alcohol in coffee bags.

Pat. 2,430,931. Laminated Fuel Tank. Nov. 18, 1947. Laminated material for fuel containers comprises a layer of a partial acetal of polyvinyl alcohol, a layer of gum rubber, and a layer of a butadiene copolymer.

Pat. 2,436,433. Process for Coating Polyvinyl Alcohol Film. Feb. 24, 1948. A transparent, heat sealable film suitable as a wrapping tissue having a base of polyvinyl alcohol and a coating of a water insoluble polyvinyl acetal resin firmly anchored to the base by reaction of an aldehyde, included in the coating composition, with the base film.

Patents Relating to the Manufacture and Use of Regenerated Cellulose Caps, Bands and Tubing

Pat. 1,937,516. Tube. Dec. 5, 1933. A paper cap provided with contact members so that a radio tube, for example, may be tested while still protected by the cap which is attached to the tube base by means of a shrinkable cellulose band.

Pat. 1,937,537. Tube. Dec. 5, 1933. A shrinkable regenerated cellulose cap, punctured to give access to the contact prongs, is used to protect radio tubes.

Pat. 1,937,538. Tube. Dec. 5, 1933. A shrinkable cap of regenerated cellulose is used to protect radio tubes.

Pat. 1,973,883. Protective Covering for Mouthpieces. Sept. 18, 1934. Shrinkable bands of regenerated cellulose as protective coverings for pipe stems.

Pat. 1,980,566. Container. Nov. 13, 1934. Containers and collapsible tubes of regenerated cellulose are formed on collapsible mandrels.

Pat. 1,995,750. Protective Covering. Mar. 26, 1935. Regenerated cellulose bands are shrunk on handles of implements, such as golf clubs, to protect the surface against marring or discoloration, without interfering with appearance and handle.

Pat. 2,013,739. Preservative. Sept. 10, 1935. A preservative, such as chlorinated cresol, is used in combination with glycerin in the shipping solution for regenerated cellulose shrinkable caps and bands to prevent the growth of mold.

Pat. 2,071,024. Cellulosic Structures and Method of Preparing Same. Feb. 16, 1937. Inorganic titanates, such as barium titanate, are added to viscose to reduce the luster and to opacify regenerated cellulose caps and bands produced therefrom.

Pat. 2,079,146. Product and Process for Preparing Same. May 4, 1937. Staining of shrinkable regenerated cellulose caps and bands on contact with cork stoppers is prevented by the addition of a material, such as zinc acetate, to the cellulose structure which will form a substantially colorless precipitate with the tannin, tannic acid and the like materials contained in cork.

Pat. 2,079,147. Method of Treating Pellicles. May 4, 1937. Rust stains on shrinkable regenerated cellulose caps and bands which appear when the closure comes in contact with metal parts containing iron are prevented by treatment with an alkaline substance, such as sodium phosphate or triethanolamine.

Pat. 2,079,160. Article of Manufacture and Method for Making Same. May 4, 1937. Process for the treatment of shrinkable regenerated cellulose caps and bands to prevent the appearance of either cork or rust stains when subsequently applied as bottle closures which comprises the use of water soluble aluminates, such as sodium aluminate in the shipping solution.

Pat. 2,106,786. Pellicles and Process Relating to Same. Feb. 1, 1938. Use of sodium nitrite in the shipping solution for shrinkable regenerated cellulose caps and bands to prevent the appearance of iron stains as well as the bleeding of direct dyes.

Pat. 2,112,717. Hollow Article. May 29, 1938. Irreversible shrinkable caps are prepared from resins, such as polymerised methyl methacrylate.

Pat. 2,137,301. Cellulosic Structure. Nov. 22, 1938. Addition of finely divided graphite to viscose to enable the production therefrom of opalescent regenerated cellulose caps, bands or similar pellicles.

Pat. 2,141,744. Article Closure and Method of Applying Same. Dec. 27, 1938. A shrinkable regenerated cellulose band having a longitudinal transparent section integral therewith.

Pat. 2,164,505. Packaging. July 4, 1939. In a shipping container for shrinkable regenerated cellulose bands, the bands are placed in trays designed to retain a small amount of shipping solution to prevent drying.

Pat. 2,171,764. Method for Making Seamless Tubing. Sept. 5, 1939. A flexible hose useful for handling gasoline, which embodies in its construction a seamless tube, as of regenerated cellulose, shrunk into place.

Pat. 2,179,571. Regenerated Cellulose Pellicle. Nov. 14, 1939. The rusting of softened regenerated cellulose shrinkable bands is prevented by the addition of triethanolamine.

Pat. 2,190,280. Recovery of Glauber's Salt. Feb. 13, 1940. Apparatus for recovering Glauber's salt by crystallization on a flat surface which enables easy removal of the crystal mass.

Pat. 2,291,238. Method and Apparatus for Producing Pellicles. July 28, 1942. Method of making tubing having spiral stripes by extruding solutions, possessing different colors or degrees of opacity, through a die in side-by-side relationship and reciprocating the extrusion die or rolling the tube upon itself.

Pat. 2,306,371. Composition. Dec. 29, 1942. To the solution in which shrinkable regenerated cellulose bands are shipped, a phenyl derivative of biguanide is added to prevent attack by mold and bacteria.

Pat. 2,307,760. Article of Manufacture. Jan. 12, 1943. Finely ground mica is added to viscose for the purpose of imparting a lustrous metallic appearance to regenerated cellulose caps and bands produced therefrom.

Pat. 2,321,762. Article of Manufacture. June 15, 1943. Isopropanol is incorporated in the shrinkable gel regenerated cellulose structure of caps and bands used as secondary closures to prevent their attack by mold and bacteria.

Pat. 2,331,974. Ornamentation. Oct. 19, 1943. Bottle bands of metallic appearance from double walled regenerated cellulose tubing, the inner layer being pigmented with titanium dioxide and the outer layer with mica and suitable dyes.

Pat. 2,358,376. Process for the Manufacture of Regenerated Cellulose Ribbons. Sept. 19, 1944. A coagulated tube of regenerated cellulose is dilated with air and slit to form a flat web.

Pat. 2,361,449. Article of Manufacture. Oct. 31, 1944. A twist-to-open device for shrinkable regenerated cellulose bands consists of a series of rounded-end rectangular perforations lying in end-to-end relationship around the band.

Pat. 2,361,464. Article of Manufacture. Oct. 31, 1944. An easily openable regenerated cellulose band having elongated perforations in the shape of an hourglass positioned end-to-end in a line around the band.

Pat. 2,361,499. Article of Manufacture. Oct. 31, 1944. A twist-to-open device for regenerated cellulose bands comprises a series of elongated perforations having the shape of two circles connected by a slit lying end-to-end around the band.

Pat. 2,375,868. Preservative Composition and Method. May 15, 1945. Attack by mold and bacteria of shrinkable regenerated cellulose caps and bands during shipment and storage, is prevented by treatment with a composition comprising a partially chlorinated petroleum hydrocarbon sulfonate, benzoic acid, levulinic acid, softener and water.

Patents Relating to the Manufacture of Regenerated Cellulose Sponges

Pat. 1,909,629. Manufacture of Artificial Sponges From Cellulose. May 16, 1933. Sponges of regenerated cellulose are formed by coagulating a mixture of viscose, sodium sulfate crystals and hemp fibers in a boiling sodium sulfate solution.

Pat. 1,974,393. Manufacture of Artificial Sponges. Sept. 18, 1934. Regenerated cellulose sponges are produced by subjecting a mixture of viscose and pore forming fillers, such as sodium sulfate, to the action of a liquid regenerating bath under pressure. Materials such as scents, disinfectants or the like may be added to the regenerating bath and thus incorporated into and retained by the sponge product.

Pat. 2,011,160. Manufacture of Artificial Sponge. Aug. 13, 1935. A process for continuously producing viscose sponges comprises pressing a mixture of viscose and pore former through a tube having alternate cooled and heated sections.

Pat. 2,026,177. Manufacture of Artificial Sponges. Dec. 31, 1935. A process for making regenerated cellulose sponges which comprises pressing a mass containing viscose and pore forming material into a tubular mold, coagulating by means of heat, removing from the mold, and cutting into pieces perpendicular to the long axis of the mold.

Pat. 2,117,392. Cellulosic Articles. May 17, 1938. Addition of sodium phosphate to a non-acid regenerated cellulose sponge coagulation bath in order to avoid contamination of the sponges by iron sulfide formed by reaction with iron equipment.

Pat. 2,133,805. Cellulosic Structure and Method of Making the Same. Oct. 18, 1938. A composite sponge having fine pores on one side and coarse pores on the other is formed by the simultaneous coagulation of two viscose masses each having a different sized pore forming material incorporated therein.

Pat. 2,138,712. Manufacture of Sponge Articles. Nov. 29, 1938. Process of making sponge articles having the viscose sponge firmly united and coated onto cellulosic structures, such as fabrics or a wooden handle.

Pat. 2,280,022. Method and Apparatus for Molding Cellulosic Structures. Apr. 14, 1942. The extrusion of a cellulose sponge mass in which the fibrous or crystalline materials are disoriented by changing the direction of flow of the mass as it passes from the extrusion orifices into the container or receiving mold.

Pat. 2,286,823. Artificial Structure. Sept. 15, 1942. Method of preparing hand sized sponges having great uniformity of pore sizes comprises extruding the sponge forming material so that the pore forming materials are disoriented by changing the direction of flow of the mass as it passes from the extrusion orifices into the container or receiving mold.

Pat. 2,289,230. Method of and Mold for Forming Cellulose Sponges. Sept. 14, 1942. A sponge mold possessing an inner surface first roughened by sand blasting followed by spraying with molten metal.

NOTICE

Imperial Chemical Industries Limited, 2 Buckingham Gate, London S. W. 1, England, has placed more than 1100 of its patents on the Register of Patents as available for license on reasonable terms. The patent numbers and titles will be published at a later date.

Correspondence in connection with these patents should be addressed to Cushman, Darby & Cushman, American Security Building, 730 15th St., N. W., Washington 5, D. C.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 4, 1949

[VOL. 618. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 3, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 502,545. VISCO BROTHERS, Philadelphia, Pa. Filed May 21, 1946.

Nice'n'Brite

The word "Brite" is disclaimed.

FOR POLISHING POWDER FOR SILVER, NICKEL, CHROME, AND ALL PLATED METALS.

Claims use since Apr. 20, 1946.

CLASS 5

ADHESIVES

Ser. No. 507,096. BEAUTYKOTE CORPORATION, Newark, N. J. Filed Aug. 9, 1946.

Beautykote

FOR SYNTHETIC ADHESIVE CEMENT—NAMELY, SYNTHETIC POLYMER OF A RESIN TYPE FOR LAMINATING AND BONDING TOGETHER WOOD, TEXTILES, FABRICS, PAPER, AND VARIOUS COMPOSITION MATERIAL.

Claims use since July 12, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,349. RUTLEE CHEMICAL COMPANY, INC., Perth Amboy, N. J., and Washington, D. C. Filed July 26, 1946.

LUB-GEL

FOR SURGICAL LUBRICANT.

Claims use since May 1, 1946.

Ser. No. 514,040. HULL FISH MEAL & OIL CO. LTD., Hull, England. Filed Dec. 11, 1946.

Procene

FOR PREPARATION FOR USE AS A COATING OR RESIST TO PROTECT PHOTO-ENGRAVING PLATES FROM THE CORROSION OF ACIDS OR ACTION OF OTHER CHEMICAL AGENTS.

Claims use since Nov. 17, 1944.

Ser. No. 516,836. MAX HAEFELI, Basel, Switzerland. Filed Feb. 3, 1947.

PROTHACRYL

FOR DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE.

Claims use since 1944.

Ser. No. 516,838. MAX HAEFELI, Basel, Switzerland. Filed Feb. 3, 1947.

GUTTAFORM

FOR DENTIFRICES, DENTURE POWDERS, DENTAL PLATE SECURING PREPARATIONS, AND CHEMICO-PHARMACEUTICAL PREPARATIONS USED IN DENTAL PRACTICE.

Claims use since 1944.

Ser. No. 521,076. HARRY D. KOENIG, doing business as Anre, New York, N. Y. Filed Apr. 21, 1947.

L'Estrona By ANRE

No claim is made to the term "By Anre," apart from the mark shown.

FOR FACE AND HAND CREAM.

Claims use since Mar. 10, 1944.

Ser. No. 521,999. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed May 6, 1947.

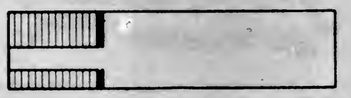
BOTULES

FOR ANTIBACTERIAL, ANTISEPTIC, ANALGESIC PREPARATION IN COLLAPSIBLE UNIT DOSAGE CONTAINERS.
Claims use since Apr. 16, 1947.

CLASS 11

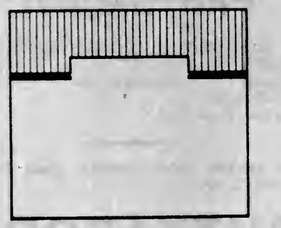
INKS AND INKING MATERIALS

Ser. No. 525,871. KRUFFEL & ESSER COMPANY, Hoboken, N. J. Filed July 3, 1947.



The drawing is lined for red.
FOR DRAWING INK.
Claims use since June 1947.

Ser. No. 525,874. KRUFFEL & ESSER COMPANY, Hoboken, N. J. Filed July 3, 1947.



The drawing is lined for red.
FOR DRAWING INK.
Claims use since June 1947.

CLASS 15

OILS AND GREASES

Ser. No. 496,670. THE SINGER MANUFACTURING COMPANY, Elizabeth, N. J. Filed Feb. 15, 1946.

S

Applicant owns Reg. Nos. 74,992 and 98,707. The drawing is lined for the color red.
FOR LUBRICATING OIL AND GREASES.
Claims use since Mar. 3, 1905, on lubricating oil; and since November 1917, on greases.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 520,967. NEWPORT INDUSTRIES, INC., Pensacola, Fla. Filed Apr. 18, 1947.

DYTIN

FOR NATURAL MIXTURE OF MONOCYCLIC TERPENE HYDROCARBONS, WHOSE CHIEF CONSTITUENT IS DIPENTENE USED PRINCIPALLY AS A SOLVENT OR DILUENT FOR PAINTS, VARNISHES, AND THE LIKE.
Claims use since Oct. 1, 1935.

Ser. No. 521,611. THE PATTERSON-SARGENT COMPANY, Cleveland, Ohio. Filed Apr. 30, 1947.

IDENTI-COLOR

The term "Color" is disclaimed apart from the mark.
FOR DRY AND READY MIXED PAINTS, PAINT ENAMELS, WOOD OR METAL STAINS, LACQUERS, AND VARNISHES.
Claims use since Mar. 27, 1947.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,631. P. LORILLARD COMPANY, New York, N. Y. Filed July 2, 1947.

ST LEGER

The drawing is lined for the color gold.
FOR CIGARS.
Claims use since August 1906.

CLASS 19

VEHICLES

Ser. No. 511,466. GLOSTEX PRODUCTS, INC., Chicago, Ill. Filed Oct. 25, 1946.

PRINCESS

FOR AUTOMOBILE SEAT COVERS.
Claims use since Oct. 10, 1946.

Ser. No. 513,028. CLE-DRAULIC COMPANY, Cleveland, Ohio. Filed Nov. 22, 1946.

Cle-Draulic

FOR SHOCK ABSORBERS FOR MOTOR VEHICLES.
Claims use since Oct. 28, 1946.

Ser. No. 513,388. CLE-DRAULIC COMPANY, Cleveland, Ohio. Filed Nov. 29, 1946.

The mark comprises the word "Cle-Draulic" in the form shown with the illustration of a shock absorber being disclaimed apart from the mark as shown.
FOR SHOCK ABSORBERS FOR MOTOR VEHICLES.
Claims use since Oct. 28, 1946.

Ser. No. 523,263. ARTHUR R. HARMON, Hatfield, Pa. Filed May 29, 1947.

CONICRAFT

FOR ROW BOATS, MOTOR BOATS, SAIL BOATS, AND COMBINATIONS THEREOF.
Claims use since Feb. 25, 1946.

Ser. No. 524,714. NEW YORK RUBBER CORPORATION, New York, N. Y. Filed June 24, 1947.

Airubber

FOR INFLATABLE BOATS AND INFLATABLE FLOATS FOR SUPPORTING A PLURALITY OF HUMANS.
Claims use since September 1924 on floats; and since July 1930 on boats.

Ser. No. 524,715. NEW YORK RUBBER CORPORATION, New York, N. Y. Filed June 24, 1947.

FOR INFLATABLE BOATS AND INFLATABLE FLOATS FOR SUPPORTING A PLURALITY OF HUMANS.
Claims use since September 1924 on floats; and since July 1930 on boats.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 516,880. VOL CREPE LIMITED, Glossop, England. Filed Feb. 3, 1947.

VOLACREPE

FOR FELTED TEXTILE FABRIC FOR USE AS A LINOLEUM OR OTHER SIMILAR TYPE COVERING FOR FLOORS.
Claims use since Feb. 22, 1941.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 486,810. PREMIER MILL CORPORATION, Geneva, N. Y. Filed Aug. 6, 1945.

FOR COLLOID MILLS, HOMOGENIZERS, GRINDERS, COMMINUTORS, AND MIXERS, CONSISTING OF MECHANICAL APPARATUS AND MACHINES OF VARIOUS SIZES AND FORMS ADAPTED FOR USE IN THE FIELDS OF FOOD AND CHEMICAL PROCESSING BY WAY OF GRINDING, MIXING, COMMINUTING, HOMOGENIZING, BLENDING AND SUITABLE FOR USE IN BASIC PROCESSING AND TREATING.
Claims use since Oct. 15, 1923.

Ser. No. 517,539. HENRY C. WHITWORTH, doing business as Whitworth Supply, Scott City, Kans. Filed Feb. 14, 1947.

THE KATTLE KING

No claim is made to the words "The" and "Kattle" except in combination with the other matter constituting the mark.
FOR CATTLE CHUTES OF THE TRANSPORTABLE VARIETY; APPARATUS IN WHICH CATTLE CAN BE PENNED AND HELD IN REQUIRED IMMOBILE POSITIONS FOR BRANDING, DEHORNING, AND THE LIKE.
Claims use since Apr. 26, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 482,998. C. ARTHUR MAY, doing business as Cam Manufacturing Co., Lakewood, R. I. Filed May 4, 1945.

"CAM-GRIPS"

The term "Gripe" is disclaimed.
FOR HOLDING DEVICES, SPECIFICALLY NARROW STRIPS OF FAIRLY HEAVY PAPER WITH CORES OF LIGHT WIRE, SOLD IN ROLLS OR CUT LENGTHS, FOR USE IN SHORT CUT LENGTHS BY LAUNDERERS AND GARMENT CLEANERS, AS CLAMPS TO BE PRESSED OVER THE SHOULDER FRAME OF GARMENT HANGERS AND THE LIKE, TO HOLD THE LAUNDERED GARMENT IN POSITION THEREON UNTIL DELIVERY, AND FOR OTHER TEMPORARY CLAMPING USES.
Claims use since Apr. 15, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 504,826. CARROLL H. DUNNING, Los Angeles, Calif. Filed June 29, 1946.

Dunning ANIMATIC

The drawing is lined for shading only.
FOR STILL FILM STRIP PROJECTOR.
Claims use since Sept. 1, 1944.

CLASS 33

GLASSWARE

Ser. No. 514,442. PAUL A. STRAUB & Co. INC., New York, N. Y. Filed Dec. 17, 1946.

PASCO

FOR GLASSWARE—NAMELY, BEVERAGE GLASSES OF ALL TYPES, VASES, BOWLS, DECANTERS, JARS, BOTTLES AND BOXES, AND TRAYS NOT INCLUDING CIGARETTE BOXES AND ASH TRAYS.
Claims use since 1931.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 512,483. B. G. B. MFG. COMPANY, Dearborn, Mich. Filed Nov. 13, 1946.

CROWN HEAT KING

The word "Heat" is disclaimed apart from the mark.
FOR GAS BURNERS FOR HEATING SYSTEMS.
Claims use since Jan. 8, 1946.

CLASS 37

PAPER AND STATIONERY

Ser. No. 507,494. STANDARD PRODUCTS CORPORATION, New York, N. Y. Filed Aug. 15, 1946.

FOR TISSUE IN SHEET FORM FOR CARBONIZING, CIGARETTE TISSUE IN SHEET FORM, AIRMAIL WRITING PAPER TISSUE.
Claims use since 1925 on tissue in sheet form for carbonizing; and since 1942 on airmail writing paper and cigarette tissue.

Ser. No. 510,738. BERTRAM A. STRAUSS, doing business as Columbia Pencil Company, New York, N. Y. Filed Oct. 11, 1946.

FOR MECHANICAL PENCILS.
Claims use since September 1931.

Ser. No. 520,631. KOLLER & SMITH CO., INC., New York, N. Y. Filed Apr. 14, 1947.

KOLGRADE

FOR FILING SUPPLIES—NAMELY, FILE CARDS AND FOLDERS.
Claims use since Jan. 31, 1947.

Ser. No. 525,966. THE SORG PAPER COMPANY, Middletown, Ohio. Filed July 3, 1947.

SOREX

FOR PRINTING PAPER, WRITING PAPER, TAG PAPER, BRISTOL, COVER PAPER OF HIGH STRENGTH, AND ALSO FOR SAID PAPERS OF SOMEWHAT LIGHTER WEIGHTS BUT HAVING HIGHER STRENGTH CHARACTERISTICS FOR GENERAL STRONG UTILITY.
Claims use since 1933.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 516,464. ALROY PUBLISHING CORPORATION, New York, N. Y. Filed Jan. 28, 1947.

highlight

FOR THE GRAPHIC ARTS

The words "For The Graphic Arts" are disclaimed apart from the mark.
FOR MAGAZINE.
Claims use since July 26, 1946.

Ser. No. 521,220. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Apr. 23, 1947.

Shadow Mystery

The word "Mystery" is disclaimed.
FOR MAGAZINE.
Claims use since Jan. 10, 1947.

CLASS 39

CLOTHING

Ser. No. 506,238. CARL GUTMANN & CO., INC., New York, N. Y. Filed July 25, 1946.

SCOOL DAZE

FOR MISSES', GIRLS', AND BOYS' POLO SHIRTS AND SWEATERS.
Claims use since Nov. 1, 1945.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 520,262. CANUET FRERES, Paris, France Filed Apr. 7, 1947.

Applicant owns registration No. 344,171.
FOR BEADS AND METAL SPANGLES IN THE NATURE OF TRIMMINGS.
Claims use since 1867.

Ser. No. 520,303. ROBBINETTE COMPANY, Portland, Oreg. Filed Apr. 7, 1947.

Robbinette

FOR SAFETY STRAPS FOR YOUNG CHILDREN.
Claims use since Aug. 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 505,889. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed July 19, 1946.

Plasticol

FOR PLASTIC COATED WATERPROOF TEXTILE FABRICS OF COTTON, NYLON, RAYON, GLASS, SOLD BY THE PIECE AND IN CUT LENGTHS FOR TABLE COVERINGS.
Claims use since June 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 26.1 to 26.5.
As provided by section 21 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 526,712. GERMAIN SEED AND PLANT COMPANY, Los Angeles, Calif. Filed July 5, 1947. Under section 2f of the act of 1946.

GERMAIN'S

FOR FLOWER SEED, VEGETABLE SEED, GRASS SEED, FIELD SEED, TREE SEED, SHRUB SEED, ORNAMENTAL PLANT SEED, ROSES, ORNAMENTAL PLANTS, FRUIT TREES, ANNUAL PLANTS.
Claims use since Jan. 15, 1924.

Ser. No. 529,000. FRANKLIN COUNTY COAL CORPORATION, Chicago, Ill. Filed July 21, 1947. Under section 2f of the act of 1946.

The drawing is lined for shading only. The words "Ask For" and "Quality Coal" are disclaimed. Applicant claims ownership of registration No. 132,832.
FOR BITUMINOUS COAL.
Claims use since Nov. 8, 1909.

Ser. No. 539,180. LEHIGH NAVIGATION COAL COMPANY INCORPORATED, Philadelphia and Lansford, Pa. Filed Oct. 27, 1947.

MINEPAKT

Applicant claims ownership of registration No. 333,714.
FOR COAL.
Claims use since Feb. 19, 1935.

Ser. No. 541,021. THE OHIO LEATHER COMPANY, Girard, Ohio. Filed Nov. 13, 1947.

SWIRL

FOR LEATHER.
Claims use since Oct. 14, 1947.

Ser. No. 543,407. S. M. ARNOLD, INC., St. Louis, Mo. Filed Dec. 5, 1947.

TRIPLE "A" BRAND

The words "Sponges Chamois Exclusively" and "Brand" are disclaimed.
FOR SPONGES AND CHAMOIS.
Claims use since Feb. 25, 1929.

Ser. No. 549,378. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

VERNON

Applicant claims ownership of registration No. 149,618.
FOR COTTON-BATTING, PARTICULARLY GLAZED-COTTON WADDING.
Claims use since May 1, 1901.

CLASS 2

RECEPTACLES

Ser. No. 534,999. CHICAGO BRIDGE & IRON COMPANY, Chicago, Ill. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

HORTONSPHEROID

Applicant claims ownership of registrations Nos. 191,132 and 211,296.
FOR LIQUID STORAGE TANKS.
Claims use since November 1930.

Ser. No. 535,250. M. MARK SULKES, doing business as Pan-American Distributing Co., New York, N. Y. Filed Sept. 23, 1947.

dabette

FOR CAPILLARY TUBE PERFUME APPLICATORS.
Claims use since August 1946.

Ser. No. 568,340. CROWN CORK SPECIALTY CORPORATION, Decatur, Ill. Filed Nov. 9, 1948.

FREEZ-TAINER

FOR COVERED PLASTIC CONTAINERS PARTICULARLY USEFUL FOR STORING FOOD AND OTHER ARTICLES IN REFRIGERATORS AND ALSO HAVING OTHER USES.
Claims use since Nov. 2, 1948.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 536,687. GOULD & LENDING, INC., Los Angeles, Calif. Filed Oct. 3, 1947.

No claim is made to the word "Creations" apart from the mark.
FOR LUGGAGE CONSISTING OF HAND BAGS, SUIT CASES, POCKETBOOKS, COIN PURSES, KEY HOLDERS, AND STRAPS FOR LUGGAGE, MANUFACTURED FROM EITHER LEATHER OR CLOTH, AND LADIES' VANITIES, MADE OF LEATHER, CLOTH.
Claims use since Dec. 1, 1946.

Ser. No. 542,761. HARTMANN COMPANY, Racine, Wis. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

Hartmann

Applicant claims ownership of registrations Nos. 211,455 and 130,068.
FOR TRUNKS, MEN'S AND LADIES' HAND LUGGAGE CASES, TRANSPORTABLE LEATHER, CANVAS OR FABRIC COVERED SHOE CASES FOR TRAVELING, TRANSPORTABLE, LEATHER, CANVAS, OR FABRIC COVERED HAT BOX CASES FOR TRAVELING, AND MOTOR LUGGAGE.
Claims use since May 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 510,821. WM. WREN LIMITED, Bushey, Watford, England. Filed Feb. 16, 1948; originally filed, act of 1905, Oct. 12, 1946.

Applicant claims ownership of British registration No. 623,296, dated May 10, 1943. Applicant owns Reg. No. 119,013.
FOR BOOT AND SHOE POLISHES.

Ser. No. 513,811. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 2, 1947; originally filed, act of 1905, Dec. 6, 1946. Under section 2f of the act of 1946.

D-LUXE

FOR GRANULAR CHEMICAL PRODUCT SOLD IN BULK CONTAINERS FOR USE IN CLEANING MACHINERY AND UTENSILS IN THE DAIRY, FOOD AND BEVERAGE INDUSTRIES.
Claims use since Jan. 10, 1940.

Ser. No. 513,812. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 2, 1947; originally filed, act of 1905, Dec. 6, 1946. Under section 2f of the act of 1946.

HEAVY DUTY

FOR CLEANSER IN GRANULAR FORM.
Claims use since Aug. 7, 1934.

Ser. No. 549,668. SALEM OIL & GREASE CO., Salem, Mass. Filed Feb. 13, 1948.

Tiger Brands

The word "Brands" is disclaimed apart from the mark.
FOR SOLUBLE AND EMULSIFIABLE OILS FOR THE TREATING OF LEATHER.
Claims use since Jan. 1, 1912.

Ser. No. 535,833. PUERTO RICO DISTILLERS COMPANY,

Ser. No. 554,758. AMERICAN LACQUER SOLVENTS COMPANY, Phoenixville, Pa. Filed Apr. 16, 1948.

SOLVEX

FOR CLEANING PREPARATION FOR DISSOLVING WAX, OIL, DIRT, AND TAR FROM LACQUERED SURFACES AND FOR PREPARING THE SAME FOR REFINISHING.
Claims use since Apr. 1, 1928.

Ser. No. 558,358. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948. Under section 2f of the act of 1946.

FORMULA 24

FOR CAUSTIC IN POWDER FORM USED PRIMARILY FOR DEGREASING HEAVY INDUSTRIAL EQUIPMENT.
Claims use since Nov. 18, 1941.

Ser. No. 558,359. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948. Under section 2f of the act of 1946.

GIBSON

FOR SOAP POLISH AND A MOPPING POWDER BOTH USED PRIMARILY FOR CLEANING MARBLE, TILE, TERRAZZO, PORCELAIN, ENAMELS, ETC.
Claims use since Jan. 2, 1907.

Ser. No. 558,361. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948. Under section 2f of the act of 1946.

MANHATTAN

FOR SCOURING POWDER.
Claims use since Jan. 2, 1907.

Ser. No. 558,366. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

PROTEX-LIN

FOR DETERGENT BUILDER FOR USE WITH SOAP IN LAUNDRY AND WASHING COMPOUNDS.
Claims use since Mar. 27, 1941.

Ser. No. 558,372. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948. Under section 2f of the act of 1946.

TWIN WHITE

FOR TOILET SOAP.
Claims use since Oct. 10, 1922.

Ser. No. 561,346. THE SELIG COMPANY, INC., Atlanta, Ga. Filed July 14, 1948.

PREVOL

FOR CLEANER AND DEODORANT FOR CLEANING AND REMOVING RUST STAINS AND DISCOLORATIONS FROM TOILET BOWLS AND URINALS.
Claims use since May 18, 1948.

Ser. No. 561,603. HERBERT L. WITT, doing business as Witt Cleaner Co., Jacksonville, Fla. Filed July 16, 1948.

MAGIC WATER

Applicant disclaims the word "Water" except in the association shown.
FOR CLEANING COMPOSITION FOR USE IN CLEANING WINDOWS, WIND-SHIELDS, MIRRORS, BATHROOM FIXTURES, WOODWORK, LEATHER GOODS, LINOLEUM, STOVES, CHROMIUM, REFRIGERATORS, AND GREASE SPOTS ON AUTOMOBILES.
Claims use since Dec. 27, 1947.

Ser. No. 561,758. JOHN N. MCMATH CO., doing business as Lloyd Sargent Co., New Rochelle, N. Y. Filed July 20, 1948.

WONDERFOAM

FOR SOAPS, AND SAPONACEOUS, DETERGENT BUBBLE BATH COMPOUNDS.
Claims use since Jan. 8, 1948.

Ser. No. 565,907. S. V. CAIN, INC., Peoria, Ill. Filed Sept. 27, 1948.

SCAN

FOR WAX BASE CLEANER.
Claims use since Jan. 8, 1947.

CLASS 5

ADHESIVES

Ser. No. 528,637. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed July 15, 1947.

National

The shaded background does not represent any particular color.
FOR ADHESIVES IN THE FORM OF CEMENTS, LIQUID GLUES, FLEXIBLE GLUES, PASTES, AND MUCILAGE.
Claims use since Oct. 6, 1945.

CLASS 6

CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS

Ser. No. 529,590. BUFFINGTONS, INCORPORATED, Worcester, Mass. Filed July 26, 1947. Under section 2f of the act of 1946.

DIA-TROPINE

The word "Tropine" is disclaimed apart from the mark.
FOR TABLET FOR THE TREATMENT OF HYPERACIDITY AND PYLOROSPASMS.
Claims use since February 1937.

Ser. No. 533,040. WM. MONTGOMERY COMPANY, Philadelphia, Pa. Filed Sept. 2, 1947. CONCURRENT USE MARK.

RIVAL BLUE

The word "Blue" is disclaimed.
FOR AMMONIA AND BLEACH.
Claims use since 1901.

Ser. No. 532,468. FLO. B. MCDERMOTT, doing business as The McMott Co., Portland, Oreg. Filed Aug. 19, 1947.

MCM McMott

The surname "McMott" is disclaimed.
FOR HYGIENIC POWDER.
Claims use since May 28, 1947.

Ser. No. 535,622. PUERTO RICO DISTILLING COMPANY, Arecibo, P. R. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

SUPERIOR 70

FOR TOILET LOTION.
Claims use since Aug. 12, 1930.

Ser. No. 540,337. THE STUART COMPANY, Pasadena, Calif. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

the Stuart formula

The words "the formula" are disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 397,611.
FOR VITAMIN CONCENTRATES.
Claims use since Apr. 5, 1941.

Ser. No. 542,436. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Nov. 26, 1947.

BUFFERIN

FOR ANTACID ASPIRIN.
Claims use since Apr. 29, 1947.

Ser. No. 543,859. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Dec 10, 1947. Under section 2f of the act of 1946.

HORNE'S DRY LEAD

Applicant claims ownership of registration No. 196,548.
FOR CHEMICAL REAGENT FOR THE PRECIPITATION OF COLORING MATTERS AND OTHER IMPURITIES FROM SOLUTIONS CONTAINING THE SAME.
Claims use since 1904.

Ser. No. 543,994. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J. Filed Dec. 10, 1947.

ROYCE CHEMICAL CO.

The words "Royce Chemical Co." are disclaimed apart from the mark. Applicant claims ownership of registration No. 340,177.

FOR CHEMICALS ADAPTED FOR THE DYEING, BLEACHING, FINISHING, AND TREATMENT OF TEXTILE FIBERS AND FABRICS, AND FOR CHEMICALS ADAPTED FOR THE STRIPPING AND DISCHARGING OF DYED FABRICS AND FIBERS, SULPHONATED CASTOR OIL FOR TEXTILE PURPOSES, GUMS SUITABLE FOR THE PRINTING OF TEXTILE FABRICS, CHEMICALS ADAPTED FOR THE REMOVAL OF SIZING MATERIALS FROM TEXTILE FABRICS, SULPHONATED OLIVE OIL FOR TEXTILE PURPOSES, HYDROSULPHITE FOR TEXTILE PURPOSES, PROCESSING FLUIDS FOR TREATING HATS, SILK, WOOL, COTTON FABRICS AND ALL TYPE YARNS, ARTIFICIAL SILKS, ARTIFICIAL FABRICS, PAPER, CELLULOSE PAPER, FURS, CLOTHING, FOR RENDERING THEM WATER REPELLENT, WETTING OUT AGENT USED IN TEXTILE PROCESSING, AND CHEMICALS ADAPTED FOR THE SOFTENING AND LUBRICATING OF SILK AND OTHER TEXTILE FIBERS AND THE TREATMENT OF SILK YARNS AND OTHER TEXTILE YARNS PRIOR TO THROWING, WINDING, WARPING OR KNITTING.

Claims use on chemicals adapted for the dyeing, bleaching, finishing and treatment of textile fibers and fabrics, and for chemicals adapted for the stripping and discharging of dyed fabrics and fibers since Jan. 26, 1935; on sulphonated castor oil for textile purposes since July 1, 1931; on gums suitable for the printing of textile fabrics since Feb. 18, 1932; on chemicals adapted for the removal of sizing materials from textile fabrics since Jan. 30, 1942; on sulphonated olive oil for textile purposes since May 23, 1930; on hydrosulphite for textile purposes since Dec. 10, 1931; on processing fluids for treating hats, silk, wool, cotton fabrics and all type varns, artificial silks, artificial fabrics, paper, cellulose paper, furs, clothing, for rendering them water repellent since Apr. 10, 1933; on wetting out agents used in textile processing since Oct. 24, 1946; and chemicals adapted for the softening and lubricating of silk and other textile fibers and the treatment of silk yarns and other textile yarns prior to throwing, winding, warping or knitting since Apr. 9, 1935.

Ser. No. 546,829. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Jan. 13, 1948.

CEDAMBRETTE

FOR AROMATIC CHEMICAL USEFUL AS A PERFUME BASE.
Claims use since Dec. 10, 1947.

Ser. No. 547,863. MONSANTO CHEMICAL COMPANY, Seattle, Wash. Filed Jan. 23, 1948.

LAUXIZE

Applicant claims ownership of registration No. 433,394.
FOR SIZING FOR PAPER AND TEXTILES.
Claims use since Feb. 15, 1939.

Ser. No. 549,748. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Feb. 14, 1948.

ZUT

Applicant claims ownership of registration No. 229,139.
FOR PERFUMES.
Claims use since Feb. 4, 1948.

Ser. No. 550,001. WYETH INCORPORATED, Philadelphia, Pa. Filed Feb. 17, 1948.

HYDASE

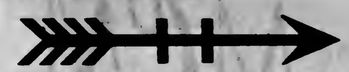
FOR HYALURONIDASE IN INJECTIBLE FORM.
Claims use since Jan. 19, 1948.

Ser. No. 555,179. HYGENA COMPANY, Atlanta, Ga. Filed Apr. 21, 1948.

FOR DOUCHE POWDER.
Claims use since Nov. 10, 1947.

Ser. No. 557,532. THEODORE N. LAMBERT, doing business as Barred Arrow Products, Woonsocket, R. I. Filed May 21, 1948.

BAPO



FOR PREPARATION FOR THE TREATMENT OF PILES AND A PREPARATION FOR THE PREVENTION OF RUNS IN WOMEN'S STOCKINGS.
Claims use since 1926 on ointment; and since Mar. 1, 1948, on preparation for preventing runs in women's stockings.

Ser. No. 559,160. LOR-MANZA, INCORPORATED, Clear Lake Highlands, Calif. Filed June 14, 1948.

WOODLEAF

FOR SUNBURN LOTION AND LOTION FOR OAK AND IVY POISONING.
Claims use since May 19, 1947.

Ser. No. 559,474. THE ARMAND COMPANY, Des Moines, Iowa. Filed May 21, 1948.

Zanzibar

Applicant claims ownership of registration No. 268,093.
FOR ROUGE AND LIP STICK.
Claims use since June 1928.

Ser. No. 560,744. AMERICAN CYANAMID COMPANY, New York, N. Y. Filed July 6, 1948.

HIBICON

FOR ANTICONVULSANT, ANTI-SPASMODIC PREPARATIONS.
Claims use since June 17, 1948.

Ser. No. 566,806. A. H. ROBINS COMPANY, INC., Richmond, Va. Filed Oct. 11, 1948.

PABALATE

FOR ANTIRHEUMATIC PREPARATION IN TABLET FORM.
Claims use since Sept. 6, 1948.

CLASS 7

CORDAGE

Ser. No. 545,699. CHASE BAG CO., New York, N. Y. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

HI-SPEED

Applicant claims ownership of registration No. 210,310.
FOR TWINE FOR CLOSING BAGS.
Claims use since 1920.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 506,108. KIRSTEN PIPE COMPANY, Seattle, Wash. Filed Oct. 27, 1947; originally filed, act of 1905, July 23, 1946.

PROTECT-O-BIT

The word "Bit" is disclaimed apart from the mark.
FOR TOBACCO PIPES AND CIGARETTE HOLDERS.
Claims use since June 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 535,071. POLAR WARE COMPANY, Sheboygan, Wis. Filed Sept. 19, 1947.

LAKE-SHORE

FOR ENAMEL WARE—NAMELY, POTS, PANS, AND KETTLES.
Claims use since June 1941.

Ser. No. 535,798. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

AVON

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since March 1933.

Ser. No. 535,799. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947.

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA WATER CLOSETS, WATER CLOSET TANKS, LAVATORIES, URINALS, SINKS, AND LAUNDRY TRAYS.
Claims use since January 1936.

Ser. No. 535,800. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WINSTED

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since April 1933.

Ser. No. 535,801. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WINSTON

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since April 1933.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 522,095. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Aug. 2, 1947; originally filed, act of 1905, May 8, 1947.

FOR PAINT STRIPPER—NAMELY, A CHEMICAL PREPARATION IN POWDERED FORM.
Claims use since March 1944.

Ser. No. 535,564. J. F. KURFESS PAINT COMPANY, Louisville, Ky. Filed Sept. 24, 1947.

HideKote

The word "Kote" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 229,480.
FOR PAINTS IN PASTE FORM.
Claims use since Jan. 10, 1927.

Ser. No. 538,777. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.

IDENTICOLOR

FOR READY-MIXED PAINTS AND PAINT ENAMELS.
Claims use since Nov. 10, 1939.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 552,310. GRADIAS, ANNIS & CO., INC., Tampa, Fla. Filed Dec. 1, 1947.

The words "Pancho Arango" comprise the name of a fictitious person. The words "Pancho Arango" are disclaimed. Applicant claims ownership of registration No. 420,668.
FOR CIGARS.
Claims use since Jan. 15, 1916.

CLASS 19

VEHICLES

Ser. No. 530,143. AETNA AUTO PARTS CO., Chicago, Ill. Filed Aug. 1, 1947.

Aetna

FOR AUTOMOTIVE AND TRUCK PARTS AND ACCESSORIES—NAMELY, HUBS, AXLE SHAFTS, WHEELS, RIMS, HOODS, FENDERS, STEERING POSTS, AXLES, RADIATORS, BUMPERS, RADIATOR GRILLES, HUB CAPS, RUNNING BOARDS, SHOCK ABSORBERS, DOOR HANDLES, WHEEL DRUMS AND WHEEL HUBS, REAR VIEW MIRRORS, FLOOR MATS, RADIATOR GRILLE GUARDS, SEAT COVERS, LICENSE PLATE FIXTURES, GAS CAPS, RADIATOR CAPS, SUN VISORS, WINDSHIELD WIPERS, AND VEHICLE AND CHASSIS SPRINGS.
Claims use since June 27, 1943.

Ser. No. 539,249. WHITEHEAD STAMPING COMPANY, Detroit, Mich. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

FOR REAR-VIEW AUTOMOBILE MIRRORS.
Claims use since Jan. 1, 1935.

Ser. No. 540,003. WHITEHEAD & KALES COMPANY, Detroit, Mich. Filed Nov. 3, 1947.

W&K

FOR TRAILERS USED FOR HAULING AUTOMOBILES.
Claims use since Nov. 1, 1945.

Ser. No. 540,004. WHITEHEAD & KALES COMPANY, Detroit, Mich. Filed Nov. 3, 1947.

W&K

FOR DOLLIES FOR USE IN HAULING MATERIALS.
Claims use since Sept. 24, 1947.

Ser. No. 545,226. COBEN & HALLOCK MFG. CO., Kansas City, Mo. Filed Dec. 23, 1947.

LOW-BOY

FOR HYDRAULIC LIFT TRAILERS FOR ATTACHMENT TO AUTOMOBILES OR LIGHT TRUCKS FOR MOVING COMPARATIVELY LIGHT OBJECTS.
Claims use since July 25, 1947.

Ser. No. 546,071. THE TORRINGTON COMPANY, Torrington, Conn. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

Torrington

FOR SPOKES AND NIPPLES FOR WHEELS OF CYCLE VEHICLES; PEDALS FOR BICYCLES AND MOTORCYCLES; HANDLE BARS AND HANDLE BAR STEMS.
Claims use since Jan. 29, 1919, on pedals for cycles; since May 1, 1921, on spokes and nipples; and since July 1, 1927, on handle bars and handle bar stems.

Ser. No. 547,736. WERNER P. KUONI, Long Island City, N. Y. Filed Jan. 22, 1948.

Helvetia

FOR BABY CARRIAGES, BABY STROLLERS.
Claims use since Aug. 1, 1947.

Ser. No. 548,200. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Jan. 28, 1948.

KOYLON

FOR BUILT-IN SEAT CUSHIONS OF FOAM RUBBER FOR AUTOMOBILES.
Claims use since Nov. 27, 1946

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 534,091. CORY CORPORATION, Chicago, Ill. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

CORY

Applicant claims ownership of registration No. 331,919.
FOR ELECTRIC STOVES.
Claims use since February 1936.

Ser. No. 542,659. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Nov. 28, 1947.

DELTA MILWAUKEE

The name "Milwaukee" is disclaimed apart from the mark shown. Applicant claims ownership of registrations Nos. 393,095 and 322,510.
FOR ELECTRIC MOTORS, ELECTRIC WELDERS, AND PARTS THEREOF.
Claims use since July 10, 1941.

Ser. No. 543,522. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

Cunningham

Applicant claims ownership of registrations Nos. 231,803, 174,482, and 267,728.
FOR ELECTRON TUBES USED IN RADIO RECEIVERS AND AS POWER TUBES.
Claims use since October 1920.

Ser. No. 543,756. SOLAR CORPORATION, Milwaukee, Wis. Filed Dec. 8, 1947. Under section 2f of the act of 1946.

SUPER ACTIVE

FOR ELECTRIC STORAGE BATTERIES.
Claims use since 1933.

Ser. No. 544,192. H. H. RENNEKER, San Diego, Calif. Filed Dec. 12, 1947.

Tele-Rest

No claim is made to the exclusive right to the use of the word "Rest" apart from the mark as shown.
FOR TELEPHONE SHOULDER CRADLES.
Claims use since May 1947.

Ser. No. 544,339. ETHINGTON MFG. CORP., Venice, Calif. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

Emcee

FOR SOUND EQUIPMENT—NAMELY, LOUD SPEAKERS FOR AUTOMOBILE RADIOS.
Claims use since Nov. 25, 1947.

Ser. No. 544,340. ETHINGTON MFG. CORP., Venice, Calif. Filed Dec. 15, 1947.

Emcee

The representation of the human figure is merely fanciful.

FOR SOUND EQUIPMENT—NAMELY, LOUD SPEAKERS FOR AUTOMOBILE RADIOS.

Claims use since Nov. 25, 1947.

Ser. No. 547,379. BENWOOD-LINZE COMPANY, St. Louis, Mo. Filed Sept. 8, 1947.

B-L RECTIFIERS

An exclusive right to the word "Rectifiers" and the representation of the full wave and rectified wave is not claimed except in conjunction with the mark shown. Applicant claims ownership of registrations Nos. 255,422 and 256,423.

FOR ELECTRIC CURRENT RECTIFIERS, INCLUDING SELENIUM, COPPER SULPHIDE, COPPER OXIDE, ELECTRON TUBE, AND MECHANICAL.

Claims use since Oct. 12, 1928.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 546,310. MOSS & PATTON, INC., Lancaster, Pa. Filed Jan. 6, 1948.

FLYING ACE

FOR TOY GOLF GAMES.

Claims use since Dec. 9, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 493,265. WALSO L. GARSEDDING, doing business as Twentieth Century Manufacturing Co., Chicago, Ill. Filed Nov. 5, 1947; originally filed, act of 1905, Dec. 14, 1945.

SUPEREAM

FOR REAMERS.

Claims use since Apr. 17, 1945.

Ser. No. 505,505. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947; originally filed, act of 1905, July 12, 1946.

LUBREEL

FOR STATIONARY LUBRICANT-DISPENSING APPARATUS—NAMELY, REEL AND HOSE ASSEMBLIES AND CABINETS THEREFOR.

Claims use since July 1940.

Ser. No. 505,506. LINCOLN ENGINEERING COMPANY, St. Louis, Mo. Filed July 5, 1947; originally filed, act of 1905, July 12, 1946.

MASTERLUBER

FOR STATIONARY LUBRICANT-DISPENSING APPARATUS—NAMELY, REEL AND HOSE ASSEMBLIES AND CABINETS THEREFOR.

Claims use since June 1941.

Ser. No. 526,991. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind. Filed July 5, 1947.

DIAMOND "D"

Applicant claims ownership of registrations Nos. 187,136 and 244,945.

FOR FRICTION CLUTCHES.

Claims use since Apr. 30, 1931.

Ser. No. 528,261. CLARK EQUIPMENT COMPANY, Buchanan, Mich. Filed July 10, 1947. Under section 2f of the act of 1946.

TRUCTRACTOR

Applicant claims ownership of registration No. 166,312.

FOR POWER OPERATED INDUSTRIAL MATERIAL HANDLING TRUCKS.

Claims use since Dec. 5, 1919.

Ser. No. 529,116. VICTORY HAT BLOCK COMPANY, New York, N. Y. Filed July 21, 1947.

VICTORY

FOR HAT BLOCKING MACHINE USED TO SHAPE HAT BLANKS.

Claims use since Oct. 1941.

Ser. No. 529,438. CLIMAX INDUSTRIES, INC., Clinton, Iowa, assignor to Liberty Products Mfg. Co., Inc., Kansas City, Mo., a corporation of Missouri. Filed July 25, 1947.

TILL-MOR

The word "Till" is disclaimed apart from the mark.

FOR ROTARY PLOWS ADAPTED TO PERFORM PLOWING, DISKING, AND HARROWING OPERATIONS ON THE SOIL AND TO BE DRAWN THROUGH THE SOIL BY ADDITIONAL POWER MEANS AND PARTS OF SUCH PLOWS.

Claims use since Dec. 4, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 521,120. DEVERS COMPANY, Racine, Wis. Filed Nov. 5, 1947; originally filed, act of 1905, Apr. 22, 1947.

DIPMASTER

FOR LAUNDRY MACHINERY AND EQUIPMENT—NAMELY, CLOTHES-SOAKING APPARATUS AND TANKS.

Claims use since Sept. 28, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 537,953. UNDERWOOD CORPORATION, New York, N. Y. Filed Oct. 15, 1947. Under section 2f of the act of 1946.

Underwood

Applicant claims ownership of registrations Nos. 131,645, 305,232, and 335,635.

FOR MULTIPLE-KEY-OPERATED COMPUTING MACHINES.

Claims use since 1907.

Ser. No. 545,895. ROBERTSHAW-FULTON CONTROLS COMPANY, Youngwood, Pa. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

ROBERTSHAW

FOR THERMOSTATS, THERMOSTATIC TEMPERATURE REGULATORS, THERMOSTATIC WATER MIXERS, THERMOSTATIC VALVES, THERMOSTATIC SYSTEMS OF AUTOMATIC TEMPERATURE CONTROL, THERMOSTATIC TANK REGULATORS, AND THERMOSTATIC SAFETY CONTROL DEVICES AND IGNITION SYSTEMS FOR FUEL BURNERS.

Claims use since 1900.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 549,442. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Feb. 11, 1948. Under section 2f of the act of 1946.

Arlington

Applicant claims ownership of registration No. 304,568.

FOR CLOCKS.

Claims use since 1918.

Ser. No. 549,580. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 12, 1948.

FOR ELETRIC AND NON-ELECTRIC CLOCKS.

Claims use since Jan. 2, 1946.

Ser. No. 549,622. THE E. INGRAHAM COMPANY, Bristol, Conn. Filed Feb. 13, 1948. Under section 2f of the act of 1946.

INGRAHAM

Applicant claims ownership of registration No. 288,514.

FOR CLOCKS AND WATCHES.

Claims use since Aug. 13, 1930.

Ser. No. 550,051. LOOPING, S. A., Corcelles, Neuchatel, Switzerland. Filed Feb. 18, 1948.

LOOPING

Claims priority under section 44d. Applicant claims ownership of Swiss registration No. 122,459, dated Nov. 5, 1947.

FOR ALARM CLOCKS, DESK CLOCKS, TRAVELLING ALARM CLOCKS, AND WATCHES.

Ser. No. 555,423. MEYER JEWELRY COMPANY, Kansas City, Mo. Filed Apr. 23, 1948.

HARMONY

Applicant claims ownership of registration No. 433,245.

FOR WATCHES.

Claims use since Nov. 3, 1942.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 549,566. NATIONAL SILVER COMPANY, New York, N. Y. Filed Feb. 12, 1948.

IMPERIAL WEDDING

Applicant claims ownership of registration No. 369,796.

FOR STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOW WARE, AND TABLEWARE.

Claims use since Jan. 28, 1948.

CLASS 29

CLASS 31

CLASS 32

Ser. No. 530,363. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn. Filed Aug. 4, 1947. Under section

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 542,595. LACTONA INCORPORATED, St. Paul, Minn. Filed Nov. 28, 1947.

Field and Stream

FOR HAIR BRUSHES.
Claims use since Sept. 25, 1947.

Ser. No. 542,596. LACTONA INCORPORATED, St. Paul, Minn. Filed Nov. 28, 1947.

FLEET STREET

FOR HAIR BRUSHES.
Claims use since Sept. 25, 1947.

Ser. No. 544,084. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 11, 1947.

"SPEEDART"

FOR ARTISTS' BRUSHES.
Claims use since Oct. 13, 1932.

Ser. No. 544,252. CALIFORNIA COTTON MILLS COMPANY, Oakland, Calif. Filed Dec. 13, 1947.

CALCOT

Applicant claims ownership of registration No. 151,319.
FOR MOPS.
Claims use since 1915.

Ser. No. 546,292. M. GRUMBACHER, INC., New York, N. Y. Filed Jan. 6, 1948.

FLORITE

FOR ARTISTS' BRUSHES.
Claims use since Jan. 2, 1947.

Ser. No. 547,884. YOUNG BROOM CO., INC., West Springfield, Mass. Filed Jan. 23, 1948.

BABY DEER

FOR BROOMS.
Claims use since July 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 542,869. SHASTAMATIC MANUFACTURING CORP., Los Angeles, Calif. Filed Nov. 26, 1947.

Shastamatic

FOR WATER SOFTENING AND CONDITIONING EQUIPMENT—NAMELY, WATER SOFTENING EQUIPMENT EMPLOYING A METHOD OF TREATMENT KNOWN AS THE "SODIUM CYCLE," WHEREIN RESINOUS AND SYNTHETIC TYPE ZEOLITES ARE EMPLOYED AND REGENERATION IS EFFECTED WITH SODIUM CHLORIDE (SALT).
Claims use since Nov. 10, 1947.

Ser. No. 542,882. EVERETT T. SANDERS, doing business as Thomas Manufacturing Co., Los Angeles, Calif. Filed Dec. 1, 1947.

MT. SHASTA

FOR WATER SOFTENING AND CONDITIONING APPARATUS—NAMELY, WATER SOFTENING EQUIPMENT EMPLOYING A METHOD OF TREATMENT KNOWN AS THE "SODIUM CYCLE," WHEREIN RESINOUS AND SYNTHETIC TYPE ZEOLITES ARE EMPLOYED AND REGENERATION IS EFFECTED WITH SODIUM CHLORIDE (SALT).
Claims use since Apr. 1, 1938.

Ser. No. 542,883. EVERETT T. SANDERS, doing business as Thomas Manufacturing Co., Los Angeles, Calif. Filed Dec. 1, 1947.

SHASTA

FOR WATER SOFTENING AND CONDITIONING APPARATUS—NAMELY, WATER SOFTENING EQUIPMENT EMPLOYING A METHOD OF TREATMENT KNOWN AS THE "SODIUM CYCLE," WHEREIN RESINOUS AND SYNTHETIC TYPE ZEOLITES ARE EMPLOYED AND REGENERATION IS EFFECTED WITH SODIUM CHLORIDE (SALT).
Claims use since Oct. 10, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 536,218. BAE-O-LITE LTD., Brooklyn, N. Y. Filed Sept. 30, 1947.

Elettra

Mi-Ro

FOR SMALL PORTABLE MIRRORS AND ILLUMINATED MIRRORS USED FOR MAKE-UP, SHAVING, AND OTHER SIMILAR PURPOSES.
Claims use since Sept. 26, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 483,434. MALLEABLE IRON FITTINGS COMPANY, Branford, Conn. Filed Aug. 6, 1947; originally filed, act of 1920, May 16, 1945. Under section 2f of the act of 1946.

BRANFORD

FOR OIL BURNERS FOR BOILERS OR FURNACES, AND OIL-BURNING AND COAL-BURNING FURNACES INCLUDING STEAM, HOT-AIR, AND HOT-WATER FURNACES.
Claims use since Apr. 1, 1928.

Ser. No. 517,307. HOUSEHOLD AUTOMATIC HEAT, INC., New York, N. Y. Filed Dec. 20, 1947; originally filed, act of 1905, Feb. 11, 1947.

The drawing is lined to indicate the colors yellow and blue.
FOR OIL BURNERS FOR DOMESTIC AND INDUSTRIAL HEATING PURPOSES.
Claims use since Nov. 5, 1946.

Ser. No. 530,363. AMERICAN GAS MACHINE COMPANY, Albert Lea, Minn. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

READYKOOK

FOR GASOLINE, KEROSENE, AND LIQUIFIED PETROLEUM BURNING COOK STOVES.
Claims use since 1929.

Ser. No. 534,079. AMERICAN FURNACE COMPANY, St. Louis, Mo. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

THERMO

Applicant claims ownership of registration No. 200,187.
FOR WOOD, COAL, OIL, OR GAS BURNING FURNACES AND HEATERS.
Claims use since August 1914.

Ser. No. 538,086. AUTOMATIC BURNER CORPORATION, Chicago, Ill. Filed Oct. 17, 1947.

Governoil

Applicant claims ownership of registration No. 357,567.
FOR OIL BURNERS AND PARTS THEREOF.
Claims use since Apr. 12, 1937.

Ser. No. 549,429. JERRY FINN ENGINEERS, St. Paul, Minn. Filed Feb. 11, 1948.

FINN-TENSE

FOR POWER TYPE GAS BURNERS.
Claims use since Aug. 1, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 536,727. STERLING PACKING & GASKET CO., Houston, Tex. Filed Oct. 3, 1947.

STERLTALLIC

FOR METALLIC GASKETS.
Claims use since September 1942.

Ser. No. 536,729. STERLING PACKING & GASKET CO., Houston, Tex. Filed Oct. 3, 1947.

GRAYBESTOS

FOR FLEXIBLE GASKETS AND GASKET MATERIAL IN SHEET FORM, FABRICATED FROM COMPRESSED ASBESTOS FIBERS AND A SYNTHETIC BINDER, ADAPTED FOR USE IN SEALING JOINTS IN APPARATUS FOR CONTROLLING FLOW OF STEAM, HIGH PRESSURE HYDROCARBON GASES AND THE LIKE.
Claims use since September 1942.

Ser. No. 544,202. SAN-NAP-PAK MANUFACTURING CO., INC.,

Ser. No. 549,334. QUALITY PARK ENVELOPE COMPANY,

Ser. No. 536,730. STERLING PACKING & GASKET CO., Houston, Tex. Filed Oct. 3, 1947.

STERLPRENE

FOR GASKET AND GASKET MATERIAL IN SHEET FORM FABRICATED OF FLEXIBLE SYNTHETIC MATERIAL AND ADAPTED FOR USE IN FLOW CONTROL SYSTEMS.
Claims use since April 1944.

Ser. No. 536,731. STERLING PACKING & GASKET CO., Houston, Tex. Filed Oct. 3, 1947.

STERLMETAL

FOR METAL GASKETS.
Claims use since June 1944.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 544,583. MAYFAIR RECORD & RECORDING CORPORATION, New York, N. Y. Filed Dec. 17, 1947.

BANG

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Nov. 25, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,510. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

RELAY

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1934.

Ser. No. 527,573. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

Old Valley

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1893.

Ser. No. 527,856. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

RELAY BOND

The word "Bond" is disclaimed apart from the mark.
FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1934.

Ser. No. 532,536. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill. Filed Aug. 27, 1947.

Amfile

Applicant claims ownership of registrations Nos. 383,521 and 420,369.
FOR PAPER, CLOTH, AND CARDBOARD FILES, AND MOUNTS FOR PHOTOGRAPHIC NEGATIVES, PRINTS AND FILMS, METAL TABS FOR FILE GUIDES, INDEXING AND FILING SYSTEM GUIDES AND FOLDERS, CARD INDEX GUIDES, PAPER AND CHIPBOARD TRANSFER CASES AND FILES, EXPANSION FOLDERS, POCKETS AND JACKETS, FILE FOLDERS, PHOTOGRAPHIC ALBUMS, PAPER PICTURE FRAMES, BRIDE AND BABY RECORD BOOKS, AND PAPER BRIEF COVERS, AND CHIPBOARD FILES.
Claims use on paper, cloth, and cardboard files and mounts for photographic negatives, prints and films, since about May 6, 1940; on metal tabs for file guides, indexing and filing system guides and folders, card index guides, expansion folders, pockets and jackets, and file folders, since about Dec. 15, 1943; on paper and chipboard transfer cases and files since about May 10, 1944; on albums since about Jan. 6, 1942; on paper picture frames since about Nov. 5, 1943; on chipboard files since about Nov. 15, 1943; on bride and baby record books since about June 5, 1943; and on paper brief covers since about August 1946.

Ser. No. 540,131. WORTHINGTON MANUFACTURING COMPANY, Richmond, Va. Filed Nov. 4, 1947.

PIEDMONT

Applicant claims ownership of registration No. 183,028.
FOR TOILET PAPER TISSUE.
Claims use since Sept. 9, 1908.

Ser. No. 544,201. SAN-NAP-PAK MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 12, 1947.

DOESKIN

Applicant claims ownership of registration No. 415,722.
FOR CLEANSING TISSUES.
Claims use since Mar. 1, 1938.

Ser. No. 544,202. SAN-NAP-PAK MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 12, 1947.

Doeskin

Applicant claims ownership of registration No. 415,722.
FOR BATHROOM TISSUES.
Claims use since Mar. 1, 1939.

Ser. No. 544,555. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Dec. 17, 1947.

RUBY

Applicant claims ownership of registrations Nos. 66,364, 84,366, and 311,277.
FOR RUBBER ERASERS, RUBBER BANDS, LEAD PENCILS, AND INDELIBLE PENCILS.
Claims use since 1898 on rubber erasers; since Dec. 15, 1910, on rubber bands; and since June 1909 on lead pencils and indelible pencils.

Ser. No. 546,013. NATIONAL BLANK BOOK COMPANY, Riverside, Holyoke, Mass. Filed Jan. 2, 1948.

CELTIC

FOR LOOSE LEAF BINDERS.
Claims use since 1914.

Ser. No. 546,465. CENTRAL NATIONAL CORPORATION, New York, N. Y. Filed Jan. 8, 1948.

CENNAT

FOR BOND PAPERS, BRISTOL BOARD, GLASSINE, OFFSET PAPERS, TISSUE PAPER, PAPER BOARD, AND PRINTING PAPERS.
Claims use since Jan. 21, 1947.

Ser. No. 546,466. CENTRAL NATIONAL CORPORATION, New York, N. Y. Filed Jan. 8, 1948.

CNC

FOR BOND PAPERS, BRISTOL BOARD, GLASSINE, OFFSET PAPERS, TISSUE PAPER, PAPER BOARD, AND PRINTING PAPERS.
Claims use since June 1946.

Ser. No. 546,641. AVRICK PAPER COMPANY, New York, N. Y. Filed Jan. 10, 1948.

CONSTELLATION

FOR AIR MAIL WRITING PAPER AND ENVELOPES.
Claims use since Oct. 24, 1947.

Ser. No. 549,334. QUALITY PARK ENVELOPE COMPANY, St. Paul, Minn. Filed Nov. 5, 1947. Under section 2f of the act of 1946.

Jutewear

Applicant claims ownership of registration No. 279,490.
FOR MAILING ENVELOPES.
Claims use since Aug. 6, 1927.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 506,067. TENNESSEAN NEWSPAPERS, INC., Nashville, Tenn. Filed Jan. 2, 1948; originally filed, act of 1905, July 22, 1946. Under section 2f of the act of 1946.

THE NASHVILLE TENNESSEAN

FOR DAILY NEWSPAPER.
Claims use since Jan. 1, 1908.

Ser. No. 530,777. STAMPATERIA, Summit, N. J., assignor to Marguerite Thompson, Newark, N. J. Filed Aug. 7, 1947.

STAMPATERIA
SELF-SERVICE STAMPS

No claim is made to the words "Self-Service Stamps" apart from the mark.
FOR USED AND UNUSED POSTAGE STAMPS FOR COLLECTORS.
Claims use since Apr. 24, 1947.

Ser. No. 534,728. AMERICAN CHEMICAL SOCIETY, Washington, D. C. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

CHEMICAL AND ENGINEERING NEWS

FOR PERIODICALS.
Claims use since January 1942.

Ser. No. 537,445. GEORGE H. GALLUP, Princeton, N. J. Filed Oct. 10, 1947.

IMPACT THE WORLD TODAY

FOR MAGAZINE.
Claims use since Aug. 14, 1947.

Ser. No. 542,544. DORELLA CHEMICAL CORP., INC., Flushing, N. Y. Filed Nov. 24, 1947.

DORELLA

FOR PERFUMES, TOILET WATERS, AND COSMETICS.
Claims use since Nov. 1, 1947.

Ser. No. 554,227. LAIRD PUBLICATIONS CO., San Francisco, Calif. Filed Dec. 31, 1947.

LAIRD

FOR MAGAZINE.
Claims use since Dec. 1, 1947.

CLASS 40

Ser. No. 530,149. ADVANCE FOOTWEAR CO., New York.

Ser. No. 542,544. DORELLA GREETING CARDS, INC., Fitchburg, Mass. Filed Nov. 28, 1947.

The Betsy Ross Line

The words "The" and "Line" are disclaimed. The name "Betsy Ross" is that of a famous historical character, now deceased.
FOR GREETING CARDS.
Claims use since June 15, 1946.

Ser. No. 542,831. HONOLULU STAR-BULLETIN, LTD., Honolulu, Territory of Hawaii. Filed Dec. 1, 1947.

Honolulu Star-Bulletin

No claim is made to the words "Honolulu" and "Bulletin" apart from the mark as shown.
FOR NEWSPAPER.
Claims use since June 27, 1912.

Ser. No. 543,844. SUPERVISION PUBLISHING COMPANY, INC., New York, N. Y. Filed Dec. 9, 1947. Under section 2f of the act of 1946.

Painless Economics

FOR SECTION IN A MONTHLY MAGAZINE.
Claims use since February 1939.

Ser. No. 551,339. TEMPLE TOPICS, Chicago, Ill. Filed Mar. 5, 1948.

TEMPLE TOPICS

Applicant makes no claim to the exclusive use of "Topics" alone.
FOR MAGAZINE.
Claims use since May 1, 1911.

Ser. No. 554,588. NORCROSS, INC., New York, N. Y. Filed Apr. 14, 1948.

GREEN EYES

FOR GREETING CARS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since Mar. 12, 1948.

Ser. No. 554,927. LAIRD PUBLISHING CO., San Francisco, Calif. Filed Apr. 19, 1948.

Taste tips

FOR MAGAZINE COLUMN.
Claims use since December 1945.

Ser. No. 555,145. BROADCASTING PUBLICATIONS, INC., Washington, D. C. Filed Apr. 21, 1948.

Closed Circuit

FOR COLUMNS OR SECTIONS OF PERIODICAL PUBLICATIONS.
Claims use since Mar. 19, 1945.

Ser. No. 555,146. BROADCASTING PUBLICATIONS, INC., Washington, D. C. Filed Apr. 21, 1948.

Open Mike

FOR COLUMNS OR SECTIONS OF PERIODICAL PUBLICATIONS.
Claims use since July 16, 1947.

Ser. No. 555,147. BROADCASTING PUBLICATIONS, INC., Washington, D. C. Filed Apr. 21, 1948.

Radiorama

FOR SECTION OR COLUMN COMPRISED OF PICTURES ALONE OR ACCOMPANIED BY EXPLANATORY WORDING AND APPEARING IN PERIODICAL PUBLICATIONS.
Claims use since Mar. 8, 1948.

Ser. No. 555,191. THE OHIO STATE JOURNAL COMPANY, Columbus, Ohio. Filed Apr. 21, 1948.

Overheard on the Bus

FOR SERIES OF CARTOONS.
Claims use since Apr. 19, 1948.

CLASS 39

CLOTHING

Ser. No. 510,981. THE HAWK & BUCK CO., Fort Worth, Tex. Filed Feb. 12, 1948; originally filed, act of 1905, Oct. 2, 1946.

HAWK

Applicant claims ownership of registration No. 218,184 (renewed).
FOR WORK CLOTHING—NAMELY, PANTS, SHIRTS, OVERALLS, COVERALLS, AUTOSUITS, AND PLAYSUITS.
Claims use since 1902.

Ser. No. 536,140. ADVANCE FOOTWEAR CO., New York, N. Y. Filed Aug. 16, 1948; originally filed, act of 1905, Apr. 4, 1947.

Blue Jay

FOR CHILDREN'S SHOES OF LEATHER OR WITH LEATHER UPPERS AND RUBBER SOLES.
Claims use since Aug. 14, 1946.

Ser. No. 530,794. ADAMS CLOTHES, INC., Philadelphia, Pa. Filed Aug. 6, 1947.

DATELINER

FOR MEN'S AND BOYS' WEARING APPAREL—NAMELY, MEN'S AND BOYS' OUTER SHIRTS.
Claims use since June 26, 1947.

Ser. No. 537,472. SOCIETE CHAPEAUX MOSSANT, Bourg-de-Peage (Drome), France. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

Chapeau Mossant
1ère Marque Française

No claim is made to the words "Chapeau" and "1ère Marque Francaise" apart from the mark. Applicant claims ownership of registration No. 239,359 and French Reg. No. 306,144, dated July 27, 1939.
FOR LADIES' HATS.
Claims use since Nov. 12, 1924.

Ser. No. 538,379. THE A. J. DONAHUE CORPORATION, Milford, Conn. Filed Oct. 20, 1947.

-FLATEX-

Applicant claims ownership of registration No. 337,265.
FOR GARTERS.
Claims use since Mar. 25, 1936.

Ser. No. 546,857. MAGIC CORSET COMPANY, INC., New York, N. Y. Filed Jan. 13, 1948.

Point of Ease

The word "Ease" is disclaimed apart from the mark.
FOR FOUNDATION GARMENTS, GIRDLES, AND CORSETS.
Claims use since Nov. 17, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 543,435. THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

Fuller

Applicant claims ownership of registration No. 196,728.
FOR COMBS MADE OF PLASTIC MATERIAL.
Claims use since Nov. 19, 1921.

Ser. No. 544,394. S. & G. RUBBER COMPANY, INC., New York, N. Y. Filed Dec. 15, 1947.

FAVORITE

FOR COMBS EXCEPT COMBS MADE OF PRECIOUS METAL.
Claims use since 1900.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 492,866. STARTEX MILLS, Tucapau, S. C. Filed Mar. 29, 1948; originally filed, act of 1905, Dec. 7, 1945. Under section 2f of the act of 1946.

DANDY

The word "Mills" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 131,783 and 393,801.
FOR CRASH GOODS IN THE PIECE, TOWELS, AND TOWELING.
Claims use since May 5, 1939.

Ser. No. 509,381. J. W. VALENTINE CO., INC., New York, N. Y. Filed June 2, 1948; originally filed, act of 1905, Sept. 19, 1946.

Seal-tex

Exclusive use of the word "Seal" is disclaimed apart from the mark.
FOR VINYL COATED RAYON PIECE GOODS WHICH IS A WATERPROOF MATERIAL AND DESIRABLE FOR CERTAIN KINDS OF CURTAINS, TABLE COVERINGS AND SIMILAR USES, WHICH CAN BE CLEANED BY MERELY WIPING WITH A DAMP CLOTH.
Claims use since July 10, 1946.

Ser. No. 518,675. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed Aug. 7, 1947; originally filed, act of 1905, Mar. 7, 1947.

HY-STAR

FOR RAYON PIECE GOODS.
Claims use since Mar. 7, 1947.

Ser. No. 536,047. CAMBO FABRICS INC., New York, N. Y. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registration No. 397,495.
FOR WOVEN TEXTILE FABRICS OF RAYON YARN IN THE PIECE.
Claims use since August 1942.

Ser. No. 542,993. COLUMBUS MANUFACTURING CO., Columbus, Ga. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

SAN SALVADOR

Applicant claims ownership of registration No. 235,135.
FOR COTTON SHEETINGS.
Claims use since Feb. 5, 1926.

Ser. No. 544,463. RAINWEAR TOSCONY FABRICS, INC., New York, N. Y. Filed Dec. 16, 1947.

RAIFILM

FOR PLASTIC FILM, IN ROLLS OF VARYING LENGTHS AND WIDTHS, FOR MAKING INTO SHOWER CURTAINS, GARMENT BAGS, BOWL COVERS, AND THE LIKE.
Claims use since Jan. 7, 1947.

Ser. No. 544,883. KUHN, BLUM & CO., INC., Philadelphia, Pa. Filed Dec. 19, 1947.

The drawing is lined for shading only.
FOR WINDOW CURTAINS, BEDSPREADS, PILLOW SHAMS, AND VANITY SKIRTS.
Claims use since Sept. 15, 1947.

Ser. No. 546,820. CARTER BROTHERS, INCORPORATED, Chattanooga, Tenn. Filed Jan. 12, 1948.

RetRac

Applicant claims ownership of registrations Nos. 282,411 and 371,994.
FOR BEDSPREADS AND DRAPERIES.
Claims use since Dec. 15, 1936.

Ser. No. 551,274. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Mar. 5, 1948.

"WONDA-HEM"

Applicant disclaims the word "Hem" apart from the mark. Applicant claims ownership of registration No. 424,168.
FOR WINDOW CURTAINS, DRAPES, BEDSPREADS, CURTAIN AND DRAPERY PIECE GOODS MADE FROM COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF.
Claims use since July 17, 1945.

Ser. No. 551,275. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Mar. 5, 1948.

"WONDA-PLEAT"

Applicant disclaims the word "Pleat" apart from the mark. Applicant claims ownership of registration No. 424,169.
FOR WINDOW CURTAINS, DRAPES, BEDSPREADS, CURTAIN AND DRAPERY PIECE GOODS MADE FROM COTTON, RAYON, SILK, LINEN, AND MIXTURES THEREOF.
Claims use since July 17, 1945.

Ser. No. 551,883. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Mar. 13, 1948.

BEAUTYCREST

FOR TEXTILE RUGS.
Claims use since Sept. 1, 1942.

Ser. No. 552,962. EVERPAST FABRICS, INC., New York, N. Y. Filed Mar. 25, 1948.

Tafetella

FOR COTTON PIECE GOODS.
Claims use since Feb. 6, 1948.

Ser. No. 553,220. SHELMAR FABRICS CORPORATION, New York, N. Y. Filed Mar. 27, 1948.

SHELPREME

FOR FABRICS MADE OF RAYON, AND OF RAYON AND COTTON.
Claims use since Mar. 1, 1947.

Ser. No. 553,449. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

RomaLeda

FOR PIECE GOODS OF COTTON, SILK, LINEN, AND SYNTHETIC FIBERS.
Claims use since Dec. 18, 1940.

Ser. No. 554,507. NEWPORT FINISHING CORPORATION, Fall River, Mass. Filed Apr. 13, 1948.

No claim is made to the representation of the fabric apart from the mark.
FOR RAYON FABRIC IN THE PIECE USED FOR LINING.
Claims use since Feb. 18, 1948.

Ser. No. 559,791. CROMPTON COMPANY, West Warwick, R. I. Filed June 2, 1948.

POCKETROY

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, CELLULOSE ACETATE, PROTEIN FIBERS, OR MIXTURES THEREOF.
Claims use since Nov. 23, 1943.

Ser. No. 560,013. D. B. FULLER & CO., INC., New York, N. Y. Filed June 23, 1948.

ADVENTURE

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Apr. 7, 1947.

CLASS 43

THREAD AND YARN

Ser. No. 533,540. THE CLARK THREAD COMPANY, Wilmington, Del., and Clarkdale, Ga. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

BRILLIANT

Applicant claims ownership of registration No. 162,632.
FOR THREAD.
Claims use since 1898.

Ser. No. 553,441. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 30, 1948.

LEROY

Applicant claims ownership of registration No. 192,207.
FOR SPOOL COTTON.
Claims use since Oct. 1, 1923.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 528,715. GAYLORD-SHELTON INC., Chicago, Ill. Filed July 16, 1947. Under section 2f of the act of 1946.

THERMIQUE

Applicant claims ownership of registrations Nos. 282,571 and 284,264.
FOR PERMANENT WAVING MACHINES, HEATERS FOR USE IN CONNECTION THEREWITH, CURLERS, PADS, CLOSING CLIPS, AND CLAMPS.
Claims use since Jan. 17, 1930.

Ser. No. 530,060. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 31, 1947. Under section 2f of the act of 1946.

Sani-Jerry

FOR DENTAL HANDPIECES.
Claims use since Dec. 13, 1928.

Ser. No. 535,451. ARMSTRONG CORK COMPANY, Lancaster, Pa. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

FOLD-SPRAY

Applicant claims ownership of registration No. 396,871.
FOR FOUNTAIN SYRINGES.
Claims use since Jan. 8, 1940.

Ser. No. 553,034. UNIVERSAL DENTAL COMPANY, Philadelphia, Pa. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

NUFORM

Applicant claims ownership of registrations Nos. 154,210 and 247,437.
FOR ARTIFICIAL TEETH.
Claims use since December 1920.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 532,483. ORANGE TEACO COMPANY, Atlanta, Ga. Filed Aug. 26, 1947.

ORANGE TEACO

The word "Orange" is disclaimed apart from the mark.
FOR NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SYRUPS, AND CONCENTRATES FOR MAKING THE SAME.
Claims use since May 14, 1934.

Ser. No. 534,748. CARR COLLINS, JR., doing business as Big Top Beverages, Dallas, Tex., assignor to Big Top Beverages Inc., Dallas, Tex., a corporation of Texas. Filed Sept. 17, 1947.

FOR SOFT DRINKS AND CONCENTRATES USED IN MAKING MALTLESS SOFT DRINKS.
Claims use since Aug. 19, 1947.

Ser. No. 542,044. THE MOREY MERCANTILE COMPANY, Denver, Colo. Filed Nov. 22, 1947.

Solitaire

Applicant claims ownership of registration No. 107,579.
FOR SODA-FOUNTAIN SYRUPS—NAMELY, PINEAPPLE SYRUP, CHOCOLATE FLAVORED SYRUP, IMITATION WILD CHERRY SYRUP, FOUNTAIN COCOA; AND GRAPE JUICE.
Claims use since Aug. 7, 1914.

Ser. No. 542,826. FILOMENA GUERRERA, Ellwood City, Pa. Filed Dec. 1, 1947.

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Nov. 20, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 528,580. OHIO FRUIT PRODUCTS CO., INC., Cleveland, Ohio, and North East, Pa. Filed July 14, 1947.

MOUNT LEBANON

FOR BOTTLED CHERRIES.
Claims use since Feb. 2, 1909.

Ser. No. 531,418. AMERICAN FRUIT GROWERS, INC., Pittsburgh, Pa. Filed Aug. 15, 1947.

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES AND GRAPEFRUIT.
Claims use since September 1938.

Ser. No. 531,557. B. T. WEYAND, doing business as Weyand & Co., Seattle, Wash. Filed Aug. 15, 1947.

No claim is made to the representation of a fish apart from the mark. The representation of the human figure is fanciful.
FOR CANNED FISH.
Claims use since July 1936.

Ser. No. 534,338. FRED W. POPE AND THOMAS W. BRYANT, Lakeland, Fla. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

POPE'S SUMMER

No claim is made to the word "Summer" apart from the mark. Applicant claims ownership of registration No. 363,390.
FOR FRESH ORANGES.
Claims use since July 2, 1934.

Ser. No. 534,933. STANDARD MILLING COMPANY, Chicago, Ill. Filed Sept. 18, 1947.

LOMICO

FOR WHEAT FLOUR.
Claims use since 1923.

Ser. No. 535,222. CONSOLIDATED MATERIALS COMPANY, Duluth, Minn. Filed Sept. 22, 1947.

I. G. S.

FOR SALT FOR FEEDING LIVESTOCK.
Claims use since Nov. 9, 1944.

Ser. No. 535,454. W. F. ASSAU CANNING CO., INC., Baltimore, Md. Filed Sept. 24, 1947.

Fort McHenry

Applicant claims ownership of registration No. 125,605.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since Nov. 27, 1918.

Ser. No. 535,455. W. F. ASSAU CANNING CO., INC., Baltimore, Md. Filed Sept. 24, 1947.

Narragansett

Applicant claims ownership of registration No. 103,990.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Nov. 9, 1897.

Ser. No. 535,797. CALIFORNIA FRUIT EXCHANGE, Sacramento, Calif. Filed Sept. 26, 1947.

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1919.

Ser. No. 539,882. THE LA HABRA CITRUS ASSOCIATION, doing business as La Habra Citrus Ass'n., La Habra, Calif. Filed Nov. 1, 1947.

BENGAL

Applicant claims ownership of registration No. 171,832.
FOR FRESH CITRUS FRUITS.
Claims use since Sept. 1, 1917.

Ser. No. 540,660. FRUITVALE CANNING COMPANY, Oakland, Calif. Filed Nov. 10, 1947.

FOR CANNED FRUITS.
Claims use since July 6, 1922.

Ser. No. 566,258. TEX-O-KAN FLOUR MILLS CO., doing business as Morten Milling Company, Dallas, Tex. Filed Oct. 4, 1948. Under section 2f of the act of 1946.

MORTEN'S BEST

No claim is made to the word "Best" apart from the mark. Applicant claims ownership of registration No. 221,548.
FOR WHEAT FLOUR.
Claims use since 1939.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 535,581. MINER-HILLARD MILLING CO., Wilkes-Barre, Pa. Filed Sept. 24, 1947.

E-Z

FOR CEREAL PRODUCT USED FOR THE MANUFACTURE OF BEER AND ALE.
Claims use since Apr. 1, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 543,002. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

NEPRO

Applicant claims ownership of registrations Nos. 92,905, 132,029, and 291,872.

FOR CORK DISCS FOR METALLIC CLOSURES FOR GLASS AND METAL BOTTLE AND JAR CONTAINERS. Claims use since Oct. 24, 1912.

Ser. No. 543,004. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

RAYO

Applicant claims ownership of registration No. 281,959.

FOR METALLIC CLOSURES FOR CONTAINERS. Claims use since Apr. 18, 1930.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,742. TEXTILE CARD GRINDING MACHINES; TEXTILE ROLLER, BOWL AND CYLINDER GRINDING MACHINES; CARD MOUNTING MACHINERY; STRIPPING AND BURNISHING ROLLERS; TEXTILE ROLLER COVERING MACHINES; BURNISHING MACHINES; TEXTILE CUTTER, BLADE AND KNIFE TRUEING UP AND SHARPENING MACHINES; ETC. DRONSFIELD BROTHERS LTD., Lancashire, England.
Filed Sept. 20, 1944, Serial No. 474,401. Published Sept. 21, 1948. Class 23.

441,743. MEDICATED COUGH DROPS. MORRIS STEIN, trading as Eureka Chemical Laboratories, Philadelphia, Pa.
Filed Dec. 13, 1944, Serial No. 477,533. Published June 12, 1945. Class 6.

441,744. CHOCOLATED LAXATIVES, COLD LAXATIVES, CHEWING GUM LAXATIVES, MILK OF MAGNESIA TABLETS, AND ASPIRIN TABLETS. TRU-PAK PRODUCTS, CORP., Jersey City, N. J.
Filed Oct. 26, 1945, Serial No. 490,555. Published Sept. 28, 1948. Class 6.

441,745. TOOL HANDLE HAVING A HOLDING CHUCK TO RECEIVE AND HOLD A KNIFE BLADE, A SCREW DRIVER BLADE, AN AWL, OR OTHER REPLACEABLE TOOL FOR USE IN HANDICRAFT WORK. SOMAR SPECIALTY CORP., Bridgeport, Conn.
Filed Nov. 7, 1945, Serial No. 491,219. Published Sept. 7, 1948. Class 23.

441,746. BUTTONS, HAND NEEDLES, AND TRIMMINGS. SCHALET-POLLACK CORPORATION, New York, N. Y.
Filed Nov. 9, 1945, Serial No. 491,367. Published Sept. 21, 1948. Class 40.

441,747. BLOTTING PAPER, BOX COVER PAPER, COVER PAPERS, AND PRINTING PAPERS. DISTRICT OF COLUMBIA PAPER MILLS, INC., Washington, D. C.
Filed Nov. 17, 1945, Serial No. 491,753. Published Nov. 19, 1946. Class 37.

441,748. MOLDED PLASTIC BOTTLES. PRO-PHY-LACTIC BRUSH COMPANY, Northampton, Mass.
Filed Dec. 20, 1945, Serial No. 493,622. Published Feb. 4, 1947. Class 2.

441,749. VEHICLE SUSPENSIONS FOR USE ON AIRCRAFT—NAMELY, AIRPLANE UNDERCARRIAGES, SHOCK ABSORBERS, SHOCK STRUTS, LANDING GEAR, AND RUBBER SPRINGS. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed Mar. 8, 1946, Serial No. 497,854. Published Sept. 14, 1948. Class 19.

441,750. POLYVINYL RESIN SHEETS FOR GENERAL USE IN THE INDUSTRIAL ARTS. MIDDLETOWN RUBBER CORPORATION, Middletown, Conn.
Filed Mar. 9, 1946, Serial No. 497,948. Published Sept. 28, 1948. Class 1.

441,751. PORTABLE HAND AND WHEEL-MOUNTED FIRE EXTINGUISHING EQUIPMENT. ANSUL CHEMICAL COMPANY, Marinette, Wis.
Filed Mar. 14, 1946, Serial No. 498,195. Published Sept. 21, 1948. Class 23.

441,752. INTERLINING FABRICS OF COMBINATIONS OF COTTON AND WOOL, COTTON AND HAIR, WOOL AND HAIR, AND COTTON, WOOL, AND HAIR, IN THE PIECE. ARMS TEXTILE MANUFACTURING CO., Manchester, N. H., and New York, N. Y.
Filed Mar. 19, 1946, Serial No. 498,479. Published Sept. 14, 1948. Class 42.

441,753. WASHING AND GENERAL CLEANING POWDER. SEXO PRODUCTS COMPANY, Toledo, Ohio.
Filed Mar. 23, 1946, Serial No. 498,864. Published June 17, 1947. Class 4.

441,754. HAND LUGGAGE, TRUNKS, PORTFOLIOS, BAGS AND CASES FITTED WITH TOILET ARTICLES, CASES FOR RECEIVING CARDS, POCKETBOOKS, WALLETS, CASES FOR HOLDING LETTERS, HANDBAGS, EVENING BAGS MADE OF FABRIC, PLASTIC, AND LEATHER, SUITCASES, TRAVELING BAGS, OVERNIGHT BAGS, AND TOILET CASES. SPAULDING & COMPANY, Chicago, Ill.
Filed Apr. 24, 1946, Serial No. 500,837. Published Sept. 21, 1948. Class 3.

441,755. SMOKING PIPES. MARCH CORPORATION, Chicago, Ill., assignor to Imperial Litemaster Distributors, Inc., Chicago, Ill., a corporation of Illinois.
Filed May 13, 1946, Serial No. 501,994. Published Dec. 31, 1946. Class 8.

441,756. SHAVING SOAPS. THE LANDER CO., INC., New York, N. Y.
Filed May 14, 1946, Serial No. 502,070. Published Feb. 25, 1947. Class 4.

441,757. TRUCK BODIES, TRUCK CABS, AND TRACTOR CABS. LAWRENCE J. GERLEIN, doing business as Larry's Welding Shop, Erie, Pa.
Filed May 29, 1946, Serial No. 502,972. Published Sept. 14, 1948. Class 19.

441,758. FABRICS IN THE PIECE OF NATURAL FIBERS: SUCH AS COTTON, WOOL, AND THE LIKE AND SYNTHETIC FIBERS SUCH AS GLASS, RAYON, NYLON, AND THE LIKE TREATED WITH A FLUORESCENT SUBSTANCE. SWITZER BROTHERS, Cleveland, Ohio, assignor to Switzer Brothers, Inc., Cleveland, Ohio, a corporation of Ohio.
Filed June 7, 1946, Serial No. 503,481. Published Sept. 14, 1948. Class 42.

441,759. CANOES AND ROW BOATS. GEORGE ZAVADIL, doing business as Plyak Boat Company, Baltimore, Md.
Filed June 26, 1946, Serial No. 504,816. Published Aug. 24, 1948. Class 19.

441,760. COMBINATION JIGGER, ICE MALLET, CORK PULLER, AND BOTTLE DECAPPER. TEMPRO, INCORPORATED, New Haven, Conn.
Filed July 10, 1946, Serial No. 505,366. Published Sept. 21, 1948. Class 23.

441,761. LIQUID COMPOUND FOR REMOVING INK FROM FABRIC. PATEK AND CO., San Francisco, Calif.
Filed July 19, 1946, Serial No. 505,915. Published Sept. 28, 1948. Class 6.

441,762. PILLOW CASES, SHEETS, HAND TOWELS, BATH TOWELS, KITCHEN TOWELS, TOWELING BY THE YARD, TABLE CLOTHS, ALL BEING PLAIN OR FANCY, AND BLANKETS. WINDSOR TEXTILE CO., INC., New York, N. Y.
Filed July 24, 1946, Serial No. 506,213. Published Sept. 14, 1948. Class 42.

441,763. SHAVING SOAPS, SHAVING CREAMS, AND TOILET SOAPS. SHERMAN PERR, Newark, N. J.
Filed Aug. 24, 1946, Serial No. 506,002. Published July 8, 1947. Class 4.

441,764. GRAIN CEMENT—NAMELY, A SODIUM SILICATE CEMENT FOR CEMENTING GRAINS OF ABRASIVE MATERIAL TO POLISHING, BUFFING, AND ABRASIVE WHEELS AND TO OTHER SURFACES FOR CARRYING GRAINS OF ABRASIVE MATERIAL. GEORGE C. NIXON, doing business as The Steel Treating Equipment Co., Dearborn, Mich.
Filed Sept. 13, 1946, Serial No. 509,025. Published Sept. 7, 1948. Class 5.

441,765. NONELECTRICAL CURLING IRONS, PRESSING COMBS, AND MARCEL IRONS. GOLD MEDAL HAIR PRODUCTS, Brooklyn, N. Y.
Filed Sept. 20, 1946, Serial No. 509,414. Published Sept. 21, 1948. Class 40.

441,766. TRANSPARENT AND OPAQUE RESINOUS PLASTIC MATERIAL SOLD IN SHEET FORM FOR GENERAL USE IN THE INDUSTRIAL ARTS. THE B. F. GOODRICH COMPANY, Akron, Ohio.
Filed Sept. 20, 1946, Serial No. 509,417. Published Sept. 28, 1948. Class 1.

441,767. FUR SKINS OR PELTS. QUEBEC FUR BREEDERS COOPERATIVE ASSOCIATION, Quebec, Canada.
Filed Sept. 20, 1946. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 509,470. Published Sept. 28, 1948. Class 1.

441,768. RETICULES OR UTILITY BAGS OF LEATHER, AND IMITATION LEATHER FOR CARRYING BABIES' ACCESSORIES. ROYAL DALTON, LTD., St. Louis, Mo.
Filed Sept. 23, 1946, Serial No. 509,603. Published Sept. 14, 1948. Class 3.

441,769. LIQUID, SEMI-LIQUID, OR SOLID NON-DRYING ADHESIVES, BEING CHEMICAL PRODUCTS CONSISTING OF NITROGEN DERIVATIVES OF ORGANIC COMPOUNDS FOR THE NON-PERMANENT BONDING OF SUBSTANCES AND MATERIALS. ABRIL CORPORATION (GT. BRITAIN) LIMITED, London, England.
Filed Oct. 4, 1946, Serial No. 510,224. Published Aug. 31, 1948. Class 5.

441,770. CUTTER FOR CUTTING MITERS IN WOOD. THE POOTATUCK CORPORATION, Stratford, Conn.
Filed Oct. 4, 1946, Serial No. 510,274. Published Sept. 21, 1948. Class 23.

441,771. HEAT ACTIVATED, THERMOSETTING RESINOUS ADHESIVES FOR GENERAL PURPOSES, BUT PARTICULARLY FOR METAL TO METAL, METAL TO PLASTIC, AND PLASTIC TO PLASTIC CONSTRUCTIONS. UNITED STATES PLYWOOD CORPORATION, New York, N. Y.
Filed Oct. 8, 1946, Serial No. 510,457. Published July 20, 1948. Class 5.

441,772. PERFUME. JACK B. NETHERCUTT, doing business as Nethercutt Laboratories, Santa Monica, Calif.
Filed Oct. 14, 1946, Serial No. 510,856. Published Sept. 21, 1948. Class 6.

441,773. WOOLEN PIECE GOODS. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey.
Filed Oct. 25, 1946, Serial No. 511,448. Published Sept. 14, 1948. Class 42.

441,774. TRAILER TRUCKS AND SELF-PROPELLED LOAD HAULING TRUCKS. R. G. LE TOURNEAU, INC., Peoria, Ill.
Filed Oct. 29, 1946, Serial No. 511,688. Published Sept. 7, 1948. Class 19.

441,775. SCIENTIFIC BLEND OF COCOA, SUGAR, DEXTROSE, AND CEREALS, CONTAINING VITAMINS, MINERALS, AND LEAVEN, ADAPTED FOR USE AS A FOOD OR INGREDIENT OF FOODS, FOR INFANTS OR INVALIDS. VIVA, Lugano, Switzerland.
Filed Oct. 29, 1946, Serial No. 511,713. Published Sept. 21, 1948. Class 46.

441,776. SCENTING EXTRACTS, EAUX DE COLOGNE, SCENTING LOTIONS, TOILET WATERS, TOILET CREAMS, FACE AND BODY POWDERS, LIPSTICKS, ROUGE, EYEBROW PENCILS, NAIL POLISH AND NAIL POLISH REMOVER, BRILLIANTINES AND FIXATIVES FOR THE HAIR, ETC. UNION DES PARFUMEURS DE FRANCE (U. P. F.), Paris, France.
Filed Nov. 15, 1946, Serial No. 512,725. Published Sept. 28, 1948. Class 6.

441,777. CRAYONS. BINNEY & SMITH COMPANY, New York, N. Y.
Filed Nov. 22, 1946, Serial No. 513,020. Published Aug. 17, 1948. Class 37.

441,778. ANHYDROUS LANOLIN (U. S. P. PHARMACEUTICAL GRADE), ANHYDROUS LANOLIN (U. S. P. COSMETIC GRADE), TECHNICAL LANOLIN, ETC. IVAR W. MALMSTROM, doing business as N. I. Malmstrom & Company, Brooklyn, N. Y.
Filed Nov. 29, 1946, Serial No. 513,435. Published Sept. 28, 1948. Class 6.

441,779. HAND OPERATED PLASTIC INJECTION MOLDING MACHINES. N. R. K. MFG. & ENGINEERING CO., Chicago, Ill., assignor to N. R. K. Mfg. & Engineering Co., Chicago, Ill., a corporation of Illinois.
Filed Dec. 12, 1946, Serial No. 514,132. Published Sept. 7, 1948. Class 23.

441,780. SHOE LACES AND GARMENT LACINGS HAVING A TIP THEREON. INTERNATIONAL BRAID COMPANY, Providence, R. I., assignor to International Braid Company (1947), Providence, R. I., a corporation of Rhode Island.
Filed Dec. 14, 1946, Serial No. 514,274. Published Sept. 21, 1948. Class 40.

441,781. EDIBLE OIL COMPOSED OF PEANUT AND OLIVE OIL. AMBA OIL CO., Brooklyn, N. Y.
Filed Dec. 27, 1946, Serial No. 514,877. Published Sept. 21, 1948. Class 46.

441,782. READY-MIXED PAINTS, COLORS IN OIL, PAINTS FOR MASONRY, SOIL-RESISTANT PAINT, HEAT AND CHEMICAL RESISTANT ENAMELS IN THE FORM OF PAINT, ETC. HAMPDEN COLOR AND CHEMICAL COMPANY, Springfield, Mass.
Filed Jan. 16, 1947, Serial No. 515,835. Published Sept. 14, 1948. Class 16.

441,783. PLASTIC COATED TEXTILE FABRICS OF COTTON, WOOL, SILK, RAYON, NYLON, PROTEIN FIBRES, AND MIXTURES THEREOF. BARRET TEXTILE CORPORATION, New York, N. Y.
Filed Feb. 13, 1947, Serial No. 517,397. Published Sept. 14, 1948. Class 42.

441,784. BICYCLE DRAWN CARTS. MERRILL AND MCKINNEY, Indianapolis, Ind.
Filed Feb. 15, 1947, Serial No. 517,580. Published Aug. 24, 1948. Class 19.

441,785. AUTOMOTIVE SERVICE EQUIPMENT—NAMELY, AUTOMOBILE LIFTS OF THE HYDRAULIC AND HYDRAULIC-PNEUMATIC TYPE, AIR COMPRESSORS OF THE CHARACTER USED IN GARAGES AND AUTOMOBILE SERVICE STATIONS. JOHN D. COCHIN, doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif.
Filed Feb. 17, 1947, Serial No. 517,620. Published Sept. 7, 1948. Class 23.

441,786. HAND CLEANER AND HECTOGRAPH INK REMOVER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed Mar. 19, 1947, Serial No. 519,259. Published Sept. 28, 1948. Class 4.

441,787. AUTOMATIC DRAFT CONTROLS—NAMELY, AUTOMATICALLY OPERATING FLUE DAMPERS FOR STOVES, FURNACES, AND THE LIKE. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio.
Filed Mar. 21, 1947, Serial No. 519,395. Published Sept. 14, 1948. Class 34.

441,788. HAND BLEACHING CREAM, FACE CREAM, FACE BLEACHING CREAM, CLEANSING CREAM, HAIR PRESSING CREAM, HAIR WAVE LOTION, LIQUID PREPARATION FOR THE TREATMENT OF THE SCALP AND HAIR, AND HAIR BRILLIANTINE. VIDELLIA FISHER, Oklahoma City, Okla., and New York, N. Y.
Filed Mar. 26, 1947, Serial No. 519,577. Published Sept. 28, 1948. Class 6.

441,789. PERFUMES AND EAUX DE COLOGNE. LUBANA, S. A., Barcelona, Spain.
Filed Mar. 26, 1947, Serial No. 519,588. Published Sept. 28, 1948. Class 6.

441,790. LINOLEUM CEMENT. BENJAMIN FOSTER COMPANY, Philadelphia, Pa.
Filed Mar. 29, 1947, Serial No. 519,806. Published Sept. 7, 1948. Class 5.

441,791. VACUUM BOTTLES AND LUNCH BOXES. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed Apr. 3, 1947, Serial No. 520,078. Published Sept. 28, 1948. Class 2.

441,792. SMALL BOATS, DINGHIES, TENDERS PROPELLED BY OARS, SAIL OR MOTOR, ETC. ISLAND CREEK BOAT SHOP, Oxford, Md.
Filed Apr. 5, 1947, Serial No. 520,219. Published Aug. 24, 1948. Class 19.

441,793. BEADS AND METAL SPANGLES IN THE NATURE OF TRIMMINGS. CANUET FRERES, Paris, France.
Filed Apr. 7, 1947, Serial No. 520,263. Published Sept. 21, 1948. Class 40.

441,794. DENTIFRICES IN FORM OF FLUIDS, POWDERS, OR PASTE. YASO MEDICINAL, S. A., Barcelona, Spain.
Filed Apr. 10, 1947, Serial No. 520,489. Published Sept. 28, 1948. Class 6.

441,795. CEMENT USED ESPECIALLY FOR THE CEMENTING OF LINOLEUM, ETC. H. B. FRED. KUHLS, Brooklyn, N. Y.
Filed Apr. 23, 1947, Serial No. 521,192. Published July 20, 1948. Class 5.

441,796. POWDERED CLEANING COMPOSITION ESPECIALLY FOR CLEANING AUTO BODIES, CHROME, TIRES, GLASS, AND OTHER EXPOSED PARTS; AND FOR POWDERED METAL POLISH FOR CHROME AND OTHER METAL PARTS AND FIXTURES. LELAND J. WILHARTZ, doing business as Lakeside Products, Chicago, Ill.
Filed Apr. 24, 1947, Serial No. 521,301. Published Sept. 28, 1948. Class 4.

441,797. RUST, CORROSION AND ABRASIVE RESISTANT RUBBERIZED COATING MATERIAL, IN SPRAYABLE FORM, FOR PROTECTIVELY COATING EXPOSED SURFACES OF AUTOMOBILES, ETC. MINNESOTA MINING & MANUFACTURING COMPANY, St. Paul, Minn.
Filed Apr. 25, 1947, Serial No. 521,356. Published Sept. 14, 1948. Class 16.

441,798. SHOULDER PADS IN THE NATURE OF GARMENT FINDINGS. SALEM PRODUCTS CORP., New York, N. Y.
Filed May 14, 1947, Serial No. 522,354. Published Sept. 21, 1948. Class 40.

441,799. PAINTS BOTH PASTE AND LIQUID, VARNISHES, COLORS FOR PAINTS AND ENAMELS, AND ENAMELS FOR PAINTING AND BAKING. WALTER N. BOYSEN CO., Oakland, Calif.
Filed May 20, 1947, Serial No. 522,721. Published Sept. 14, 1948. Class 16.

441,800. PERFUMES, TOILET WATERS, COLOGNES, ESSENCES; NAIL PASTES AND ENAMELS, ETC. RAMIER, SOCIÉTÉ À RESPONSABILITÉ LIMITÉE, Paris, France.
Filed May 23, 1947, Serial No. 522,927. Published Sept. 28, 1948. Class 6.

441,801. MEDICINAL PREPARATION FOR EXTERNAL APPLICATION. JEAN U. KORÉS, New York, N. Y.
Filed May 23, 1947, Serial No. 522,930. Published Sept. 28, 1948. Class 6.

441,802. WASHING POWDER. PACIFIC SOAP COMPANY, Los Angeles, Calif.
Filed May 28, 1947, Serial No. 523,187. Published Sept. 28, 1948. Class 4.

441,803. PERFUMES, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, ETC. LA FLORIDA, S. A., Barcelona, Spain.
Filed June 10, 1947, Serial No. 523,898. Published Sept. 28, 1948. Class 6.

441,804. NITROUS OXID, CARBON DIOXID, INSECTICIDES, INSECT REPELLANTS AND ODOR CONTROL MEDIUMS. WILLIAM B. THERM, doing business as Airite Mfg. Co., Toledo, Ohio.
Filed June 16, 1947, Serial No. 524,259. Published Sept. 28, 1948. Class 6.

441,805. SOAP (DRY POWDERED, PASTE, SEMI-PASTE, FLAKE, LIQUID, AND OTHER CONSISTENCIES), METAL POLISHES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,729. Published Sept. 28, 1948. Class 4.

441,806. INSECTICIDES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed June 28, 1947, Serial No. 525,126. Published Sept. 28, 1948. Class 6.

441,807. CIGAR, CIGARETTE, AND PIPE LIGHTERS, OF THE CATALYTIC TYPE, AND PARTS FOR SAID CIGAR, CIGARETTE, PIPE LIGHTERS; CIGARETTE AND CIGAR HOLDERS. LEKTROLITE CORPORATION, New York, N. Y.
Filed June 30, 1947, Serial No. 525,222. Published Sept. 28, 1948. Class 8.

441,808. LINEN AND HEMP PIECE GOODS. ROBINSON & CLEAVER LIMITED, London, England.
Filed July 1, 1947, Serial No. 525,407. Published Sept. 14, 1948. Class 42.

441,809. CHEMICAL, PHARMACEUTICAL, AND BIOLOGICAL PREPARATIONS FOR USE IN THE TREATMENT OF AILMENTS AND FOR THE CORRECTION OF DIET AND OTHER DEFICIENCIES IN HUMAN BEINGS AND OTHERS, ETC. WOODARD LABORATORIES, INC., Los Angeles, Calif.
Filed July 1, 1947, Serial No. 525,470. Published Sept. 28, 1948. Class 6.

441,810. POWDER SOLUBLE TO MAKE A CLEANING SOLUTION FOR EYE GLASSES, JEWELRY, DIAMONDS, PLASTICS, AND PRECIOUS METALS. SYLVAN M. EDISON, doing business under the name of Edison Chemical Co., Chicago, Ill.
Filed July 3, 1947, Serial No. 525,808. Published Mar. 30, 1948. Class 4.

ACT OF 1920

These registrations are not subject to opposition.

441,811. (CLASS 39. CLOTHING.) BOBRICH MANUFACTURING CORP., New York, N. Y. Filed July 30, 1945, Serial No. 486,456.

Bobrich

FOR MEN'S OUTDOOR WEAR—NAMELY, LEATHER COATS, PILE-LINED JACKETS, SWEATERS, COATS, SPORTS SHIRTS, VESTS, TROUSERS, SKI-SUITS, RAINCOATS, AND FLYING CLOTHING CONSISTING OF JACKETS, PANTS AND COVERALLS FOR AVIATORS.
Claims use since October 1943.

441,812. (CLASS 39. CLOTHING.) MORRIS SHULMAN, New York, N. Y. Filed June 20, 1946, Serial No. 504,300.

THE CHOICE OF ALL AMERICA

FOR MEN'S SUITS, TOPCOATS, SPORT COATS, PANTS, LEISURE COATS AND CARDIGANS; LADIES' DRESSES, SPORT COATS, AND SUITS.
Claims use since May 15, 1946.

441,813. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) EAGLE-OTTAWA LEATHER COMPANY, Grand Haven, Mich. Filed June 13, 1947, Serial No. 524,115.

EDINBURGH GRAIN

FOR LEATHER.
Claims use since June 1, 1947.

ACT OF 1946, PRINCIPAL REGISTER

505,324. FACE GRINDERS FOR GRINDING TERRA COTTA, FIRE BRICK, STONE, ETC., SHAPERS FOR CUTTING AND SHAPING METALLIC ARTICLES, CATHEADS, JOINT BREAKERS, AND SPINNERS. GENERAL ENGINEERING & MFG. CO., St. Louis, Mo.
Filed Nov. 26, 1947; originally filed, act of 1905, Aug. 17, 1942, Serial No. 454,942. Published Sept. 21, 1948. Class 23.

505,325. TRICOT AND MILANESE FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, NYLON, AND COMBINATIONS OF THESE YARNS. FAIRY SILK MILLS, Shillington, Pa., and New York, N. Y.
Filed Aug. 1, 1947; originally filed, act of 1905, Feb. 3, 1945, Serial No. 479,384. Published Sept. 14, 1948. Class 42.

505,326. MECHANICAL POWER TRANSMISSIONS, CLUTCHES, FLUID WHEELS FOR POWER TRANSMISSION THROUGH FLUID MEANS, ETC. BORG-WARNER CORPORATION, Chicago, Ill.
Filed Aug. 1, 1947; originally filed, act of 1905, Mar. 10, 1945, Serial No. 480,734. Published Sept. 21, 1948. Class 23.

505,327. STEEL WOOL, PUMICE, AND OTHER POLISHING STONES AND CHEMICALLY TREATED POLISHING CLOTHS. JAMES H. RHODES & COMPANY, Chicago, Ill.
Filed Feb. 20, 1948; originally filed, act of 1905, Nov. 2, 1945, Serial No. 490,969. Published Sept. 28, 1948. Class 4.

505,328. PAPER TISSUES IN ROLLS, STRIPS, AND SHEETS, PAPER HANDKERCHIEFS, PAPER NAPKINS, AND WAXED PAPER. MARCALUS MANUFACTURING CO. INC., East Paterson, N. J.
Filed Sept. 10, 1947; originally filed, act of 1905, Nov. 15, 1945, Serial No. 491,663. Published Sept. 7, 1948. Class 37.

505,329. PIPE WORKING MACHINES, THREADING MACHINES, REAMING MACHINES, CUTTING MACHINES, DIE STOCKS, DIES, PIPE CUTTERS, AND PARTS OF SUCH MACHINES AND ARTICLES. BEAVER PIPE TOOLS, INC., Warren, Ohio.
Filed July 30, 1947; originally filed, act of 1905, Nov. 28, 1945, Serial No. 492,303. Published Sept. 21, 1948. Class 23.

505,330. CLEANING AND SCRUBBING PREPARATIONS AND SOAPS FOR INDUSTRIAL AND DOMESTIC USES. "J A V," SOCIÉTÉ ANONYME, Besons, France.
Filed Sept. 18, 1947; originally filed, act of 1905, Jan. 25, 1946, Serial No. 495,389. Published Sept. 28, 1948. Class 4.

505,331. VARNISHES; READY-MIXED, DRY, AND PASTE PAINTS; OIL AND VARNISH STAINS; LACQUERS; PAINT ENAMELS; POLISHING WAX; ETC. THE AMERICAN VARNISH COMPANY, Chicago, Ill.
Filed Oct. 6, 1947; originally filed, act of 1905, Apr. 2, 1946, Serial No. 499,461. Published Sept. 14, 1948. Class 16.

505,332. PORTABLE LUBRICANT-DISPENSING APPARATUS—NAMELY, CONTAINERS ADAPTED TO RECEIVE LUBRICANT DRUMS, AND MOTOR-DRIVEN LUBRICANT GUNS COOPERATING THEREWITH. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, July 26, 1946, Serial No. 506,325. Published Sept. 21, 1948. Class 23.

505,333. FLINTS FOR CIGAR AND CIGARETTE LIGHTERS. RONSON ART METAL WORKS, INC., Newark, N. J.
Filed Oct. 3, 1947; originally filed, act of 1905, Aug. 6, 1946, Serial No. 506,962. Published Sept. 28, 1948. Class 8.

505,334. HYDROCARBON AND MANUFACTURED FUEL GAS SOLD AS SUCH, ETC. CHARLES W. POTTER, Syracuse, N. Y.
Filed Nov. 12, 1947; originally filed, act of 1905, Aug. 14, 1946, Serial No. 507,417. Published Sept. 28, 1948. Class 6.

505,335. MEDICINAL PREPARATIONS CONTAINING GLANDULAR, VITAMIN, OR MINERAL PRODUCTS, OR COMBINATIONS THEREOF USEFUL AS A DIETARY SUPPLEMENT. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif.
Filed Oct. 10, 1947; originally filed, act of 1905, Sept. 21, 1946, Serial No. 509,489. Published Aug. 31, 1948. Class 6.

505,336. DYESTUFFS FOR COLORING PLASTICS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 14, 1947; originally filed, act of 1905, Nov. 9, 1946, Serial No. 512,328. Published Sept. 7, 1948. Class 6.

505,337. PLASTIC MATERIAL IN THE FORM OF RIGID, SEMI-RIGID, AND FLEXIBLE SHEETS, AND CONTINUOUS EXTRUSION PLASTIC STRIPS FOR FABRICATION INTO VARIOUS MANUFACTURED ARTICLES. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass.
Filed Mar. 17, 1948; originally filed, act of 1905, Nov. 29, 1946, Serial No. 513,385. Published Sept. 28, 1948. Class 1.

505,338. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed Jan. 22, 1948; originally filed, act of 1905, Nov. 29, 1946, Serial No. 513,444. Published Sept. 28, 1948. Class 1.

505,339. DETERGENTS FOR WASHING, SCOURING, AND CLEANSING ALL KINDS OF TEXTILE MATERIALS IN ALL CONDITIONS AND STAGES OF MANUFACTURE, ETC. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 14, 1947; originally filed, act of 1905, Dec. 11, 1946, Serial No. 514,029. Published Sept. 28, 1948. Class 4.

505,340. INFANTS' AND CHILDREN'S CLOTHING—NAMELY, KNIT UNDERWEAR, UNDERPANTS, AND UNDERSHIRTS, AND ABDOMINAL BINDERS. THE MOUNT AIRY KNITTING COMPANY, Mount Airy, N. C.
Filed Aug. 25, 1947; originally filed, act of 1905, Dec. 12, 1946, Serial No. 514,127. Published Sept. 7, 1948. Class 39.

505,341. LACQUERS; VARNISHES; PAINT ENAMELS; AND COMPOSITIONS CONTAINING CELLULOSE ESTERS AND/OR ETHERS, ETC. ATLAS POWDER COMPANY, Wilmington, Del.
Filed July 19, 1947; originally filed, act of 1905, Dec. 28, 1946, Serial No. 514,930. Published Sept. 14, 1948. Class 16.

505,342. CANNED FRUITS AND CANNED VEGETABLES. HOLLISTER CANNING COMPANY, INC., Hollister, Calif.
Filed Sept. 19, 1947; originally filed, act of 1905, Jan. 6, 1947, Serial No. 515,307. Published Sept. 21, 1948. Class 46.

505,343. VITAMIN AND MINERAL PREPARATIONS CONTAINING DESICCATED GLANDULAR SUBSTANCES USEFUL AS A DIETARY SUPPLEMENT. ANABOLIC FOOD PRODUCTS, INC., Glendale, Calif.
Filed Oct. 10, 1947; originally filed, act of 1905, Jan. 10, 1947, Serial No. 515,526. Published Aug. 31, 1948. Class 6.

505,344. CURTAINS AND DRAPES OF RAYON, COTTON, SILK, WOOL, AND/OR COMBINATIONS THEREOF, AND FOR FABRICS IN THE PIECE OF WHICH THE SAME ARE MADE. BOB-O-LINK, INC., New York, N. Y.
Filed Dec. 29, 1947; originally filed, act of 1905, Jan. 31, 1947, Serial No. 516,660. Published Sept. 14, 1948. Class 42.

505,345. TUBULAR DISPENSING CONTAINERS FOR POWDERED MATERIAL, WHICH CONTAINERS ARE MADE OF PAPER, CARDBOARD, OR OTHER CELLULOSIC MATERIAL. CAMBRIDGE PAPER BOX COMPANY, Cambridge, Mass.
Filed Aug. 18, 1947; originally filed, act of 1905, Feb. 15, 1947, Serial No. 517,552. Published Sept. 28, 1948. Class 2.

505,346. ALL-PURPOSE LINIMENT. LEAKE CHEMICAL COMPANY, Keo, Ark.
Filed Oct. 28, 1947; originally filed, act of 1905, Mar. 15, 1947, Serial No. 519,074. Published Sept. 28, 1948. Class 6.

505,347. BAGS OF WATERPROOF PLASTIC MATERIAL AND WATERPROOF TEXTILE MATERIAL FOR DIAPERS AND LAUNDRY. THE CARIS COMPANY, Brooklyn, N. Y.
Filed Oct. 11, 1947; originally filed, act of 1905, Mar. 18, 1947, Serial No. 519,170. Published Sept. 28, 1948. Class 2.

505,348. TWINES, STRING, SASH CORD, AND CLOTHES LINE. CHARLES C. DAVIS AND COMPANY, Chicago, Ill.
Filed Nov. 7, 1947; originally filed, act of 1905, Mar. 18, 1947, Serial No. 519,180. Published Sept. 21, 1948. Class 7.

505,349. TEXTILE FABRICS COMPOSED OF COTTON, WOOL, LINEN, OR SYNTHETIC FIBERS AND MIXTURES THEREOF, WHICH FABRICS ARE RESIN IMPREGNATED FOR RESISTANCE TO WEAR, SHRINKAGE, CRUSHING, AND THE LIKE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 23, 1947; originally filed, act of 1905, Apr. 2, 1947, Serial No. 520,051. Published Sept. 14, 1948. Class 42.

505,350. TEXTILE FABRICS COMPOSED OF COTTON, WOOL, LINEN, OR SYNTHETIC FIBERS AND MIXTURES THEREOF, WHICH FABRICS ARE RESIN IMPREGNATED FOR RESISTANCE TO WEAR, SHRINKAGE, CRUSHING, AND THE LIKE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed July 23, 1947; originally filed, act of 1905, Apr. 2, 1947, Serial No. 520,052. Published Sept. 14, 1948. Class 42.

505,351. WOMEN'S, MISSES', AND JUNIOR MISSES' COATS. KROYWEN COATS INC., New York, N. Y.
Filed Oct. 2, 1947; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,713. Published Sept. 7, 1948. Class 39.

505,352. TOBACCO BED COVERS. CARTER DRY GOODS COMPANY, INCORPORATED, Louisville, Ky.
Filed Nov. 25, 1947; originally filed, act of 1905, Apr. 28, 1947, Serial No. 521,432. Published Sept. 14, 1948. Class 42.

505,353. COTTON PIECE GOODS. EXETER MANUFACTURING COMPANY, Exeter, N. H.
Filed Dec. 13, 1947; originally filed, act of 1905, May 3, 1947, Serial No. 521,803. Published Sept. 14, 1948. Class 42.

505,354. ROUND WORM REMEDY, CHOCOLATE COATED LAXATIVE, ETC. FURST-MCNESS COMPANY, Freeport, Ill.
Filed Sept. 19, 1947; originally filed, act of 1905, May 22, 1947, Serial No. 522,841. Published Sept. 28, 1948. Class 6.

505,355. INKING RIBBONS USED WITH BUSINESS MACHINES—NAMELY, CALCULATING MACHINES, CASH REGISTERS, TYPEWRITERS, AND THE LIKE, AND FOR CARBON PAPER. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 9, 1947; originally filed, act of 1905, May 24, 1947, Serial No. 522,976. Published Sept. 28, 1948. Class 11.
1948. Class 11.

505,356. INKING RIBBONS USED WITH BUSINESS MACHINES—NAMELY, CALCULATING MACHINES, CASH REGISTERS, TYPEWRITERS, AND THE LIKE; AND CARBON PAPER. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 9, 1947; originally filed, act of 1905, May 27, 1947, Serial No. 523,149. Published Sept. 28, 1948. Class 11.

505,357. MASKING SOLUTION FOR PHOTO-ENGRAVING. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, June 2, 1947, Serial No. 523,403. Published Aug. 31, 1948. Class 6.

505,358. WOMEN'S SPORT DRESSES. DEBUTANTE SPORTSWEAR, INC., doing business as Debutante Sportswear, Chicago, Ill.
Filed Nov. 14, 1947; originally filed, act of 1905, June 11, 1947, Serial No. 523,948. Published Sept. 7, 1948. Class 39.

505,359. FLAME PROOFING COMPOUND FOR ALL FABRICS. THE SELIG COMPANY, Atlanta, Ga.
Filed Sept. 3, 1947; originally filed, act of 1905, June 17, 1947, Serial No. 524,354. Published Sept. 21, 1948. Class 6.

505,360. DIAPER PINS. HOMER WELLS, Houston, Tex.
Filed July 5, 1947, Serial No. 526,680. Published Sept. 21, 1948. Class 40.

505,361. SEWING THREAD. BEMIS BRO. BAG COMPANY, St Louis, Mo.
Filed July 5, 1947, Serial No. 526,887. Published Aug. 17, 1948. Class 48.

505,362. AIRPLANES AND STRUCTURAL PARTS THEREFOR. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif.
Filed July 5, 1947, Serial No. 526,986. Published Aug. 31, 1948. Class 19.

505,363. CHEMICAL PREPARATION TO BE ADDED TO THE WATER OF A TAPE DISPENSING MACHINE FOR CONDITIONING THE GLUE OF THE GUMMED TAPE DISPENSED THEREBY. ROBLOFF MANUFACTURING COMPANY, Toledo, Ohio.
Filed July 5, 1947, Serial No. 526,974. Published Sept. 28, 1948. Class 6.

505,364. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS; LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS; LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS; ANESTHETIC TABLETS, ANESTHETIC POWDERS, AND ANESTHETIC SOLUTIONS. ARTHUR E. SMITH, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,211. Published Sept. 28, 1948. Class 6.

505,365. ELECTRIC SWITCHES AND FUSES. W. N. MATTHEWS CORPORATION, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,213. Published Sept. 21, 1948. Class 21.

505,366. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS, LOCAL ANESTHETIZING, NERVE BLOCKING POWDERS, ETC. ARTHUR E. SMITH, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,215. Published Sept. 28, 1948. Class 6.

505,367. DISHWASHING MACHINES. LAKE STATE PRODUCTS, INC., Jackson, Mich.
Filed July 5, 1947, Serial No. 527,524. Published Sept. 21, 1948. Class 23.

505,368. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, HALF-SHEATHED HEATERS, CARTRIDGE HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,671. Published Sept. 21, 1948. Class 21.

505,369. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, HALF-SHEATHED HEATERS, CARTRIDGE HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,865. Published Sept. 21, 1948. Class 21.

505,370. HANDBAGS, PORTABLE CASES FOR TOILET ARTICLES MADE OF LEATHER OR SIMILAR MATERIAL, ETC. TALON, INC., Meadville, Pa.
Filed July 5, 1947, Serial No. 527,868. Published Sept. 21, 1948. Class 3.

505,371. HANDBAGS, PORTABLE CASES FOR TOILET ARTICLES MADE OF LEATHER OR SIMILAR MATERIAL, PLASTIC FABRIC AND LEATHER BAGS FOR COSMETICS, ETC. TALON, INC., Meadville, Pa.
Filed July 5, 1947, Serial No. 527,901. Published Sept. 21, 1948. Class 3.

505,372. CANNED TOMATOES, PUMPKIN, BEETS, SPINACH, ASPARAGUS TIPS, CORN, LIMA BEANS, ETC. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed July 10, 1947, Serial No. 528,271. Published Sept. 21, 1948. Class 46.

505,373. HAND MANIPULABLE CAN OPENERS. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif.
Filed July 5, 1947, Serial No. 527,877. Published Sept. 7, 1948. Class 23.

505,374. CHEMO-THERAPEUTIC SUBSTANCES, ETC. GIVAUDAN-DELAWANNA, INC., New York, N. Y., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania.
Filed July 11, 1947, Serial No. 528,345. Published Mar. 23, 1948. Class 6.

505,375. AGRICULTURAL MACHINERY—NAMELY, TRACTOR DRAWN WHEELED ATTACHMENTS FOR CARRYING AGRICULTURAL TOOLS, PLOWS, ETC. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn.
Filed July 11, 1947, Serial No. 528,361. Published Sept. 14, 1948. Class 23.

505,376. AWNING TEXTILE FABRICS, SOLD IN THE BOLT. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed July 12, 1947, Serial No. 528,477. Published Sept. 14, 1948. Class 42.

505,377. DYES AND DYESTUFFS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 14, 1947, Serial No. 528,565. Published Sept. 28, 1948. Class 6.

505,378. PACKAGE TYING MACHINES. B. H. BUNN COMPANY, Chicago, Ill.
Filed July 16, 1947, Serial No. 528,689. Published Sept. 21, 1948. Class 23.

505,379. PENCIL TABLETS, PEN TABLETS, COMPOSITION BOOKS, WRITING PAPER, ETC. KURTZ BROS., Clearfield, Pa.
Filed July 17, 1947, Serial No. 528,804. Published Aug. 24, 1948. Class 37.

505,380. OAKUM FOR PACKING AND CALKING. AMERICAN MANUFACTURING COMPANY, Boston, Mass., and Brooklyn, N. Y.
Filed July 18, 1947, Serial No. 528,846. Published Sept. 28, 1948. Class 1.

505,381. HARNESS SNAPS, AND SNAP HOOKS FOR HARNESSES. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn.
Filed July 19, 1947, Serial No. 528,942. Published Sept. 21, 1948. Class 3.

505,382. FULL GRAINED AND BUFFED SOLE LEATHER. J. GREENEBAUM TANNING CO., Chicago, Ill.
Filed July 21, 1947, Serial No. 529,040. Published Apr. 27, 1948. Class 1.

505,383. HYDROCARBON SOLVENTS FOR LACQUERS AND SYNTHETIC ENAMELS. VELSICOL CORPORATION, Chicago, Ill.
Filed July 23, 1947, Serial No. 529,322. Published Sept. 14, 1948. Class 16.

505,384. PIECE GOODS—NAMELY, FABRICS OF COTTON AND OF RAYON AND OF MIXTURES OF COTTON AND RAYON. JOSEPH BANCROFT & SONS CO., Wilmington, Del.
Filed July 24, 1947, Serial No. 529,344. Published Sept. 14, 1948. Class 42.

505,385. PIECE GOODS—NAMELY, FABRICS OF COTTON AND OF RAYON AND OF MIXTURES OF COTTON AND RAYON. JOSEPH BANCROFT & SONS CO., Wilmington, Del.
Filed July 24, 1947, Serial No. 529,346. Published Sept. 14, 1948. Class 42.

505,386. CLEANING FLUID FOR CLEANING PHOTOGRAPHIC FILM. BELL & HOWELL COMPANY, Chicago, Ill.
Filed July 26, 1947, Serial No. 529,559. Published Sept. 28, 1948. Class 4.

505,387. LYE. B. T. BABBITT, INC., New York, N. Y.
Filed July 29, 1947, Serial No. 529,863. Published Sept. 21, 1948. Class 6.

505,388. MECHANICAL SWITCHES AND SWITCH STANDS FOR RAILROADS. CLEVELAND FROG & CROSSING CO., Cleveland, Ohio.
Filed July 30, 1947, Serial No. 529,963. Published Sept. 21, 1948. Class 23.

505,389. FACE POWDER. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,213. Published Sept. 28, 1948. Class 6.

505,390. PERFUMES, COLOGNES, TOILET WATERS, POWDERS, LIPSTICKS, ROUGES, AND FOUNDATION MAKE-UP PREPARATIONS. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,219. Published Sept. 28, 1948. Class 6.

505,391. FOUNDATION MAKE-UP PREPARATIONS. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,222. Published Sept. 28, 1948. Class 6.

505,392. ROUGE AND LIPSTICK. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,223. Published Sept. 28, 1948. Class 6.

505,393. PERFUMES, COLOGNES, TOILET WATERS, POWDERS, LIPSTICKS, ROUGES, AND FOUNDATION MAKE-UP PREPARATIONS. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,225. Published Sept. 28, 1948. Class 6.

505,394. VEHICLE WHEEL RIMS. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed Aug. 2, 1947, Serial No. 530,308. Published Sept. 21, 1948. Class 19.

505,395. PORTABLE HAND AND WHEEL MOUNTED POWER OPERATED MACHINES FOR SUB-SOIL FUMIGATION COMPRISING A HAND PLUNGER UNIT OR POWER OPERATED PUMP TO FEED FUMIGANT INTO THE GROUND AT A PRE-SET DEPTH. INNIS, SPEIDEN & CO., New York and Niagara Falls, N. Y.
Filed Aug. 5, 1947, Serial No. 530,511. Published Sept. 7, 1948. Class 23.

505,396. BUTTON LOOPS, FEATHERBONE STAYS, CORSET STAYS, MIDDY BRAID, MILITARY BRAID, RUG BINDING, ETC. THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed Aug. 5, 1947, Serial No. 530,604. Published Sept. 21, 1948. Class 40.

505,397. C-CLAMPS. THE CINCINNATI TOOL COMPANY, Norwood, Ohio.
Filed Aug. 7, 1947, Serial No. 530,719. Published Sept. 21, 1948. Class 23.

505,398. FRESH APPLES. THEODORE REINS, doing business as Ted Reins, Payette, Idaho.
Filed Aug. 13, 1947, Serial No. 531,245. Published Sept. 21, 1948. Class 46.

505,399. COTTON PIECE GOODS. DAVIS & CATTERALL, New York, N. Y.
Filed Aug. 16, 1947, Serial No. 531,579. Published Sept. 14, 1948. Class 42.

505,400. NUTRITIVE TONICS CONTAINING MALT SYRUP, VITAMINS, AND MINERAL SUPPLEMENTS. JAMIESON PHARMACAL COMPANY, Detroit, Mich.
Filed Aug. 18, 1947, Serial No. 531,673. Published Sept. 28, 1948. Class 6.

505,401. WAFERS CONTAINING DICALCIUM PHOSPHATE AND VIOSTEROL FOR THERAPEUTIC USE WHERE CALCIUM AND PHOSPHORUS ARE INDICATED. JAMIESON PHARMACAL COMPANY, Detroit, Mich.
Filed Aug. 18, 1947, Serial No. 531,676. Published Sept. 28, 1948. Class 6.

505,402. RUBBERIZED THREAD. J. & P. COATS (R. I.) INC., Pawtucket, R. I.
Filed Sept. 3, 1947, Serial No. 533,144. Published Sept. 21, 1948. Class 48.

505,403. CANNED SALMON. MONITOR FISHERIES, INC., doing business as McGovern & McGovern, Seattle, Wash.
Filed Sept. 4, 1947, Serial No. 533,347. Published Aug. 31, 1948. Class 46.

505,404. THREAD. THE CLARK THREAD COMPANY Wilmington, Del., and Clarkdale, Ga.
Filed Sept. 5, 1947, Serial No. 533,539. Published Sept. 21, 1948. Class 48.

505,405. ROUGES, DUSTING POWDERS, SACHET POWDERS, FACE POWDERS, LIPSTICKS AND FILLED ROUGE AND POWDER VANITY CASES. LUCIEN LELONG, INC., Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,158. Published Sept. 28, 1948. Class 6.

505,406. PERFUMES, COLOGNES, TOILET WATERS, TALCUM POWDERS, FACE POWDERS, SACHET POWDERS, DUSTING POWDERS, LIPSTICKS, ROUGES AND FOUNDATION MAKE-UP PREPARATIONS. LUCIEN LELONG, INC., Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,159. Published Sept. 28, 1948. Class 6.

505,407. PASTE PAINT AND PAINT ENAMEL. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill.
Filed Sept. 12, 1947, Serial No. 534,272. Published Aug. 10, 1948. Class 16.

505,408. PAINT ENAMEL. GREAT LAKES VARNISH WORKS, INC., doing business as Great Lakes Varnish Works, Chicago, Ill.
Filed Sept. 12, 1947, Serial No. 534,273. Published Aug. 10, 1948. Class 16.

505,409. STICK GLUE FOR SECURING ABRASIVE DISCS TO BACK UP DISCS AND LIQUID CEMENT FOR SECURING ABRASIVE GRANULES TO IRREGULAR BASE SURFACES FOR MANUFACTURING ABRASIVE FORMS. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 12, 1947, Serial No. 534,354. Published Sept. 21, 1948. Class 5.

505,410. DIAPER WASH COMPRISING A PREPARATION HAVING DEODORIZING, DISINFECTING AND BLEACHING PROPERTIES, AND HAVING INCIDENTAL CLEANING PROPERTIES. WENCEL F. HETMAN, doing business under the name of Hetman and Co., Chicago, Ill.
Filed Sept. 17, 1947, Serial No. 534,777. Published Sept. 28, 1948. Class 6.

505,411. COMPACT AND VANITY CASES MADE OF MATERIALS OTHER THAN PRECIOUS OR SEMI-PRECIOUS METALS AND SOLD EMPTY IN THE TRADE. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y.
Filed Sept. 19, 1947, Serial No. 534,973. Published Sept. 28, 1948. Class 2.

505,412. TEXTILE FABRICS OF RAYON IN THE PIECE. FRENCH FABRICS CO., New York, N. Y.
Filed Sept. 23, 1947, Serial No. 535,313. Published Sept. 14, 1948. Class 42.

505,413. WALLETS OR BILLFOLDS. SWANK, INC., Attleboro, Mass.
Filed Sept. 25, 1947, Serial No. 535,756. Published Sept. 14, 1948. Class 3.

505,414. LIQUID SUBSTITUTE FOR TURPENTINE. SEIDLITZ PAINT & VARNISH CO., Kansas City, Mo.
Filed Sept. 29, 1947, Serial No. 536,159. Published Sept. 14, 1948. Class 16.

505,415. CANNED FRUITS AND VEGETABLES. STAYTON CANNING CO. CO-OPERATIVE, Stayton, Oreg.
Filed Sept. 30, 1947, Serial No. 536,305. Published Aug. 10, 1948. Class 46.

505,416. TEXTILE FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. BENROSE FABRICS CORPORATION, New York, N. Y.
Filed Oct. 2, 1947, Serial No. 536,490. Published Sept. 14, 1948. Class 42.

505,417. BIAS FOLD TAPE, RUFFLINGS, RICK RACK BRAID, FRILLINGS, NOVELTY TRIMMING, NARROW FABRICS, AND TAPES USED FOR DRESS AND OTHER TRIMMING PURPOSES. WILLIAM E. WRIGHT & SONS COMPANY, West Warren, Mass.
Filed Oct. 3, 1947, Serial No. 536,738. Published Sept. 14, 1948. Class 40.

505,418. CANDIES—VIZ., SWEDISH MINTS. WYLIE B. DOUGLASS, doing business as Warner Distributing Co., Chicago, Ill.
Filed Oct. 6, 1947, Serial No. 536,879. Published Sept. 14, 1948. Class 46.

505,419. RIBBONS IN CUT LENGTHS AND IN REELS. CENTURY RIBBON MILLS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,005. Published Sept. 14, 1948. Class 42.

505,420. PAPERBOARD OR CORRUGATED PASTEBOARD CABINETS FOR CLOTHING, PAPER GARMENT BAGS, AND CARDBOARD STORAGE CHESTS. ODORA COMPANY, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,072. Published Sept. 21, 1948. Class 2.

505,421. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Oct. 8, 1947, Serial No. 537,187. Published Aug. 24, 1948. Class 39.

505,422. FLAT LEATHER BELTING. J. E. RHOADS & SONS, Philadelphia, Pa.
Filed Oct. 8, 1947, Serial No. 537,242. Published Sept. 28, 1948. Class 35.

505,423. PREPARATION FOR THE RELIEF OF NERVOUSNESS, UPSET STOMACH, EXCESS ACID; A TONIC TO CLEANSE AND STRENGTHEN THE SYSTEM. GLEN MEDICAL COMPANY, INC., Troy, N. Y.
Filed Oct. 10, 1947, Serial No. 537,449. Published Sept. 28, 1948. Class 6.

505,424. MEN'S HALF-HOSE. W. RAVEN & CO. LIMITED, Leicester, England.
Filed Oct. 10, 1947, Serial No. 537,504. Published Sept. 7, 1948. Class 39.

505,425. EMBROIDERY PATTERNS, NOVELTY CROCHET AND FEATHER-EDGE BRAIDS, ART FRINGES, STAMPED DESIGNS ON CLOTH, NEEDLES FOR HAND SEWING, AND CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE. T. BUETTNER & CO., INC., Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,550. Published Sept. 21, 1948. Class 40.

505,426. THREADS, YARNS, AND COTTONS FOR EMBROIDERING AND CROCHETING. T. BUETTNER & CO., INC., Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,554. Published Sept. 21, 1948. Class 43.

505,427. OINTMENT FOR THE RELIEF OF PILES. WALTER B. SELLMER, doing business as Selmolene Manufacturing Company, also known as Selmolene Mfg. Co., San Rafael, Calif.
Filed Oct. 11, 1947, Serial No. 537,625. Published Sept. 28, 1948. Class 6.

505,428. BEEF CATTLE. T O RANCH COMPANY, Raton, N. Mex.
Filed Oct. 14, 1947, Serial No. 537,838. Published Sept. 28, 1948. Class 1.

505,429. HOUSE TRAILERS. DONALD R. BOLES, doing business as Boles Mfg. Co., Burbank, Calif.
Filed Oct. 15, 1947, Serial No. 537,869. Published Sept. 14, 1948. Class 19.

505,430. AMMONIA, WASHING SAL SODA USED AS A WATER SOFTENER, LAUNDRY BLEACH, LIQUID BLUE, AND LAUNDRY STARCH. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Oct. 17, 1947, Serial No. 538,125. Published Sept. 21, 1948. Class 6.

505,431. READY-MIXED PAINTS, WOOD STAINS, AND PAINT ENAMELS SOLD IN LIQUID FORM. CHICAGO PAINTS, INC., Chicago, Ill.
Filed Oct. 20, 1947, Serial No. 538,371. Published Sept. 14, 1948. Class 16.

505,432. DRY-CLEANING MACHINES. STAR EQUIPMENT CORPORATION, Bloomfield, N. J., assignor by mesne assignments to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware.
Filed Oct. 20, 1947, Serial No. 538,466. Published Sept. 7, 1948. Class 24.

505,433. COAL. EASTERN GAS AND FUEL ASSOCIATES, Boston, Mass.
Filed Oct. 21, 1947, Serial No. 538,503. Published Sept. 28, 1948. Class 1.

505,434. CONDENSING UNITS USED IN REFRIGERATION. LEHIGH FOUNDRIES, INC., Easton, Pa.
Filed Oct. 22, 1947, Serial No. 538,643. Published Sept. 21, 1948. Class 31.

505,435. RAZOR HONES. S. R. DROESCHER, INC., New York, N. Y.
Filed Oct. 23, 1947, Serial No. 538,733. Published Sept. 28, 1948. Class 4.

505,436. WHITE PAINT IN LIQUID FORM FOR EXTERIOR USE. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed Oct. 25, 1947, Serial No. 539,068. Published Sept. 14, 1948. Class 16.

505,437. LAMP SHADES. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed Oct. 27, 1947, Serial No. 539,226. Published Sept. 14, 1948. Class 34.

505,438. INSECTICIDES AND MOTH PREVENTATIVE AND EXTERMINATOR IN SOLID, GRANULAR AND LIQUID FORMS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Oct. 28, 1947, Serial No. 539,290. Published Sept. 28, 1948. Class 6.

505,439. SUITCASES, HAND LUGGAGE CASES EQUIPPED WITH GARMENT CARRYING FIXTURES, AND WARDROBE SUITCASES. HARTMANN COMPANY, Racine, Wis.
Filed Nov. 1, 1947, Serial No. 539,877. Published Sept. 21, 1948. Class 3.

505,440. CARBON BLACK FOR USE IN THE MANUFACTURE OF INK. GODFREY L. CABOT, INC., Boston, Mass.
Filed Nov. 5, 1947, Serial No. 540,167. Published Sept. 28, 1948. Class 11.

505,441. SOLUTION APPLIED TO LITHOGRAPHIC PAPER PLATES FOR PRESERVING THE SAME. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed Nov. 5, 1947, Serial No. 540,176. Published Sept. 28, 1948. Class 6.

505,442. RUBBER CEMENT. CAT'S PAW RUBBER COMPANY, INC., Baltimore, Md.
Filed Nov. 6, 1947, Serial No. 540,247. Published Sept. 21, 1948. Class 5.

505,443. GIMP YARN. FRASER MANUFACTURING CO. INC., New York, N. Y.
Filed Nov. 6, 1947, Serial No. 540,270. Published Sept. 14, 1948. Class 43.

505,444. BUTTON LOOPS, FEATHERBONE STAYS, CORSET STAYS, MIDDY BRAID, MILITARY BRAID, RUG BINDING, SEAM BINDING, ETC. THE WARREN FEATHERBONE CO., Three Oaks, Mich.
Filed Aug. 5, 1947, Serial No. 540,354. Published Sept. 21, 1948. Class 40.

505,445. PHARMACEUTICAL PREPARATION—NAMELY, VITAMIN "B" COMPLEX CAPSULES. FRANK CARBONARO, doing business as Bexatol Vitamin Products, Auburn, N. Y.
Filed Nov. 7, 1947, Serial No. 540,382. Published Sept. 7, 1948. Class 6.

505,446. MEDICINAL PREPARATION HAVING ANESTHETIC PROPERTIES FOR THE USE IN LOCAL ANESTHESIA DURING MAJOR AND MINOR SURGERY AND FOR AN OINTMENT HAVING ANESTHETIC PROPERTIES. SANDOZ CHEMICAL WORKS, INC., New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,721. Published Sept. 28, 1948. Class 6.

505,447. WIRE, WIRE ROPE, AND CABLES. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo.
Filed Nov. 13, 1947, Serial No. 540,982. Published Sept. 21, 1948. Class 7.

505,448. VEHICLE HEATERS. E. A. LABORATORIES, INC., Brooklyn, N. Y.
Filed Nov. 14, 1947, Serial No. 541,109. Published Aug. 24, 1948. Class 19.

505,449. AUTOMOTIVE VEHICLES—NAMELY, PASSENGER AUTOMOBILES, TRUCKS, BUSSES, AND MOTORCYCLES. ZBROJOVKA BRNO, NARODNI PODNIK, doing business as Brno Arms Factory, National Corporation, Brunn, Czechoslovakia.
Filed Nov. 15, 1947, Serial No. 541,366. Published Sept. 14, 1948. Class 19.

505,450. WALKER STROLLERS AND STROLLERS. THE FRANK F. TAYLOR COMPANY, Norwood, Ohio.
Filed Nov. 18, 1947, Serial No. 541,602. Published Aug. 24, 1948. Class 19.

505,451. SMOKING TOBACCO. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y.
Filed Nov. 19, 1947, Serial No. 541,693. Published Sept. 28, 1948. Class 17.

505,452. RAYON PIECE GOODS, COTTON PIECE GOODS, AND COMBINATIONS OF THE SAME. J. ROSENHOLZ, INC., New York, N. Y.
Filed Aug. 21, 1947, Serial No. 541,727. Published Sept. 14, 1948. Class 42.

505,453. PIECE GOODS OF RAYON, COTTON, AND OF MIXTURES OF RAYON AND COTTON. J. ROSENHOLZ, INC., New York, N. Y.
Filed Oct. 3, 1947, Serial No. 541,747. Published Sept. 14, 1948. Class 42.

505,454. PLASTIC FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 20, 1947, Serial No. 541,857. Published Aug. 31, 1948. Class 12.

505,455. TEXTILE FABRICS IN THE PIECE, OF SILK, RAYON, AND COMBINATIONS THEREOF. FOLKER FABRICS CORPORATION, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,828. Published Sept. 14, 1948. Class 42.

505,456. BLEACHING, CLEANSING, ANTISEPTIC, AND GERMICIDAL COMPOUND. CLOROX CHEMICAL CO., Oakland, Calif.
Filed Nov. 25, 1947, Serial No. 542,285. Published Sept. 28, 1948. Class 6.

505,457. COAL. RAVEN RED ASH COAL CO., INC., Beckley, W. Va.
Filed Nov. 25, 1947, Serial No. 542,354. Published Sept. 28, 1948. Class 1.

505,458. TEXTILE FABRICS IN THE PIECE, OF RAYON, SILK, AND MIXTURES THEREOF. FOLKER FABRICS CORPORATION, New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,456. Published Sept. 14, 1948. Class 42.

505,459. CHEMICAL PREPARATION FOR REMOVING RUST STAINS FROM TEXTILE MATERIALS. HOOD CHEMICAL CO., INC., Pittsburgh, Pa.
Filed Nov. 26, 1947, Serial No. 542,470. Published Sept. 28, 1948. Class 6.

505,460. AUTOMOBILE BRAKE SHOES, SHOCK ABSORBERS, AND CAPS FOR AUTOMOBILE HUBS, RADIATORS, AND GASOLINE TANKS. PICK MANUFACTURING COMPANY, West Bend, Wis.
Filed Nov. 28, 1947, Serial No. 542,648. Published Aug. 24, 1948. Class 19.

505,461. LEATHER POCKET WALLETS AND BILLFOLDS. BUXTON, INCORPORATED, Springfield, Mass.
Filed Dec. 3, 1947, Serial No. 543,092. Published Sept. 21, 1948. Class 3.

505,462. CARBOXYMETHYL CELLULOSE FOR USE AS AN INGREDIENT OF ADHESIVES, THICKENING AGENTS, EMULSION STABILIZERS, DETERGENTS, TEXTILE SIZES AND FINISHES. HERCULES POWDER COMPANY, Wilmington, Del.
Filed Dec. 3, 1947, Serial No. 543,181. Published Sept. 7, 1948. Class 6.

505,463. ANTIBIOTIC WITH VASOCONSTRICTOR CONTAINING, NAMELY, PENICILLIN WITH EPHEDRINE. WYETH INCORPORATED, Philadelphia, Pa.
Filed Dec. 3, 1947, Serial No. 543,250. Published Sept. 28, 1948. Class 6.

505,464. GAS WATER HEATERS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa.
Filed Dec. 4, 1947, Serial No. 543,344. Published Sept. 14, 1948. Class 34.

505,465. GAS WATER HEATERS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa.
Filed Dec. 4, 1947, Serial No. 543,345. Published Sept. 14, 1948. Class 34.

505,466. GAS WATER HEATERS, AND COMBINATION BOILERS. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa.
Filed Dec. 4, 1947, Serial No. 543,346. Published Sept. 14, 1948. Class 34.

505,467. PIECE GOODS OF WOOL, COTTON, RAYON, NYLON, AND/OR SILK, OR COMBINATIONS THEREOF. CLEARWATER FINISHING COMPANY, Clearwater, S. C.
Filed Dec. 5, 1947, Serial No. 543,420. Published Sept. 14, 1948. Class 42.

505,468. PNEUMATIC TIRES AND INNER TUBES. RICHMOND RUBBER CO., INC., Richmond, Va.
Filed Dec. 10, 1947, Serial No. 543,989. Published Sept. 28, 1948. Class 35.

505,469. HEATING AND COOKING STOVES USING WOOD, COAL, OR GAS. MARTIN STAMPING & STOVE COMPANY, Huntsville, Ala.
Filed Dec. 12, 1947, Serial No. 544,173. Published Sept. 21, 1948. Class 34.

505,470. FURNACES AND WATER HEATERS. MICHIGAN TANK & FURNACE CORPORATION, Dearborn, Mich.
Filed Dec. 12, 1947, Serial No. 544,178. Published Sept. 21, 1948. Class 34.

505,471. SOLVENTS FOR FLAVORING EXTRACTS. FRIES BROS., INC., New York, N. Y.
Filed Dec. 13, 1947, Serial No. 544,260. Published Sept. 28, 1948. Class 6.

505,472. WIRE ROPE, CABLE, AND CORD. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J.
Filed Dec. 13, 1947, Serial No. 544,266. Published Sept. 28, 1948. Class 7.

505,473. BRASSIÈRES. ELLEN BEA CORP., New York, N. Y.
Filed Dec. 20, 1947, Serial No. 544,987. Published Sept. 7, 1948. Class 39.

505,474. LADIES' SUITS, DRESSES, AND BLOUSES. BLUMENSTEIN, ROSS & LENTZ, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,223. Published Sept. 7, 1948. Class 39.

505,475. SYNTHETIC BRAIDS USED IN THE MANUFACTURE OF HAT BODIES. B. C. SCHREIBER, INC., New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,284. Published Sept. 21, 1948. Class 40.

505,476. PREPARATION CONTAINING SPECIALLY PROCESSED EXTRACTED ANIMAL LIVER MEAL, CAROTENE EXTRACT, AND SOY BEAN MEAL IN POWDER FORM FOR INCORPORATION IN ANIMAL AND POULTRY FEEDS. WORLD PRODUCTS CORP., New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,319. Published Aug. 3, 1948. Class 6.

505,477. WIGS OF ALL DESCRIPTIONS FOR MEN AND WOMEN AND TRANSFORMATIONS, FORELOCKS, ARTIFICIAL BRAIDS, TRESSES, CHIGNONS, AND OTHER HEADDRESSES MADE OF HAIR. GEORGES RAOUL COLSON, Paris, France.
Filed Dec. 30, 1947, Serial No. 545,716. Published Sept. 21, 1948. Class 40.

505,478. COIFFURE ACCESSORIES—NAMELY, COMBS, CLASPS AND BARRETTES, ROLLERS, FOUNDATIONS, AND NON-ELECTRIC CURLERS. KENORE PRODUCTS CORPORATION, New York, N. Y.
Filed Jan. 2, 1948, Serial No. 545,997. Published Sept. 21, 1948. Class 40.

505,479. PORTABLE RUBBER-TIRE VULCANIZERS. THE SHALER COMPANY, Waupun, Wis.
Filed Jan. 2, 1948, Serial No. 546,063. Published Sept. 28, 1948. Class 35.

505,480. PHARMACEUTICAL PREPARATION PARTICULARLY APPLICABLE AS AN ANALGESIC AND A SEDATIVE. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J.
Filed Jan. 12, 1948, Serial No. 546,760. Published Sept. 28, 1948. Class 6.

505,481. SASH CORD, CLOTHES-LINE AND ROPE. ANCO CORPORATION, Pittsburgh, Pa.
Filed Jan. 14, 1948, Serial No. 546,940. Published Sept. 21, 1948. Class 7.

505,482. BUST FORMS. SEELY SHOULDER PAD CORP., New York, N. Y.
Filed Jan. 14, 1948, Serial No. 547,042. Published Sept. 21, 1948. Class 40.

505,483. COMPOSITIONS IN THE NATURE OF ELECTROLYTES AND ADDITION AGENTS FOR USE IN THE CONTINUOUS PLATING OF METALS BY ACID ZINC AND ACID ZINC ALLOY ELECTRODEPOSITION PROCESSES. POOR & COMPANY, Chicago, Ill.
Filed Jan. 15, 1948, Serial No. 547,148. Published Sept. 28, 1948. Class 6.

505,484. SULFATHIAZOLE COMPOUND. FREDERICK M. TURNBULL, Los Angeles, Calif.
Filed Jan. 17, 1948. CERTIFICATION MARK. Serial No. 547,376. Published Sept. 28, 1948. Class 6.

505,485. TOILET WATERS, PERFUMED POWDER SACHETS, FACE AND TALCUM POWDERS, LIPSTICKS, EYEBROW PENCILS, BATH SALTS, ETC. D'ORSAY PERFUMERIES CORPORATION, New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,247. Published Sept. 28, 1948. Class 6.

505,486. PREPARATIONS IN POWDER AND CIGARETTE FORM FOR USE IN THE TREATMENT OF ASTHMATIC ATTACKS. THE J. H. GUILD COMPANY, INC., Rupert, Vt.
Filed Feb. 5, 1948, Serial No. 548,815. Published Sept. 21, 1948. Class 6.

505,487. PERIODICAL PUBLICATION ISSUED FROM SIX TO TWELVE TIMES PER YEAR AND DISTRIBUTED TO APPLICANT'S EMPLOYEES AND DEALERS. THE FULLER BRUSH COMPANY, Hartford, Conn.
Filed Feb. 6, 1948, Serial No. 548,957. Published Aug. 17, 1948. Class 38.

505,488. BATH AND HAND TOWELS, WASH CLOTHS, AND BATH MATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Feb. 12, 1948, Serial No. 549,536. Published Sept. 14, 1948. Class 42.

505,489. ART NEEDLEWORK YARNS MADE OF WOOL. BERNHARD ULMANN CO. INC., Long Island City, N. Y.
Filed Feb. 12, 1948, Serial No. 549,595. Published Sept. 14, 1948. Class 43.

505,490. CHEMICAL MIXTURE FOR REPELLING AND KILLING MOTHS, THEIR LARVAE AND EGGS, IN THE FORM OF CRYSTALS AND NUGGETS. PARADIZE PRODUCTS CORPORATION, Fairview, N. J.
Filed Feb. 14, 1948, Serial No. 549,746. Published Sept. 28, 1948. Class 6.

505,491. CHEMICAL MIXTURE FOR REPELLING AND KILLING MOTHS, THEIR LARVAE AND EGGS, IN THE FORM OF CRYSTALS AND NUGGETS. PARADIZE PRODUCTS CORPORATION, Fairview, N. J.
Filed Feb. 14, 1948, Serial No. 549,747. Published Sept. 28, 1948. Class 6.

505,492. COTTON DUCK. DENISON COTTON MILL CO., Denison, Tex.
Filed Feb. 18, 1948, Serial No. 550,028. Published Sept. 14, 1948. Class 42.

505,493. COTTON DUCK. DENISON COTTON MILL CO., Denison, Tex.
Filed Feb. 18, 1948, Serial No. 550,029. Published Sept. 14, 1948. Class 42.

505,494. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed Feb. 19, 1948, Serial No. 550,116. Published Sept. 14, 1948. Class 42.

505,495. COTTON DUCK. DENISON COTTON MILL CO., Denison, Tex.
Filed Feb. 21, 1948, Serial No. 550,314. Published Sept. 14, 1948. Class 42.

505,496. MULTIPLE VITAMIN PREPARATIONS. AYERST, MCKENNA & HARRISON LIMITED, Rouses Point and New York, N. Y.
Filed Feb. 26, 1948, Serial No. 550,574. Published Sept. 28, 1948. Class 6.

505,497. SHAVING CREAM. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,915. Published Sept. 28, 1948. Class 4.

505,498. CLEANSING PREPARATION IN POWDER FORM FOR GENERAL HOUSEHOLD AND LAUNDRY USE. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,917. Published Sept. 28, 1948. Class 4.

505,499. COSMETICS—NAMELY, CLEANSING CREAMS, VANISHING CREAMS, DRY SKIN CREAMS, FOUNDATION CREAMS, COLD CREAMS AND FACIAL PACKS. WESTHALL PHARMACAL COMPANY, New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,300. Published Sept. 28, 1948. Class 6.

505,500. SHOE LACES. JOHN LAWRIE & SONS, Chicago, Ill.
Filed Mar. 29, 1948, Serial No. 553,287. Published Sept. 21, 1948. Class 40.

505,501. PHOTOGRAPHIC CHEMICALS. CLARENCE E. PAYNE, doing business as Dyacol Products Laboratory, San Francisco, Calif.
Filed Apr. 19, 1948, Serial No. 555,009. Published Sept. 28, 1948. Class 6.

505,502. MEDICINE FOR FOWL. JESSE H. GUM, Oakwood, Okla.
Filed Apr. 22, 1948, Serial No. 555,265. Published Sept. 28, 1948. Class 6.

505,503. HATS AND HAT BODIES INTENDED FOR WEAR BY WOMEN AND GIRLS. HALPER BROTHERS, INC., New York, N. Y.
Filed June 3, 1948, Serial No. 555,718. Published Sept. 14, 1948. Class 39.

505,504. LAUNDRY SOAP IN POWDERED FORM. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,351. Published Sept. 28, 1948. Class 4.

505,505. SCOURING POWDER USED PRIMARILY FOR CLEANING MARBLE, TILE, TERRAZZO, PORCELAIN, ENAMELS, AND WASHING WALLS. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed June 3, 1948, Serial No. 558,372. Published Sept. 28, 1948. Class 4.

505,506. BILLFOLDS. BROWN & BIGELOW, St. Paul, Minn.
Filed June 25, 1948, Serial No. 560,182. Published Sept. 21, 1948. Class 3.

Service Marks.

505,507. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947, Serial No. 527,266. Published Sept. 28, 1948. Class 55.

505,508. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN, AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947, Serial No. 527,276. Published Sept. 21, 1948. Class 55.

505,509. FREIGHT AND PASSENGER TRANSPORTATION SERVICE BY RAILROAD IN INTRASTATE COMMERCE AND IN COMMERCE AMONG THE SEVERAL STATES WHICH MAY LAWFULLY BE REGULATED BY CONGRESS. SOUTHERN RAILWAY COMPANY, Richmond, Va., and Washington, D. C.
Filed July 12, 1947, Serial No. 528,523. Published Sept. 21, 1948. Class 55.

505,510. LAMINATING OR AFFIXING TO A PAPER OR TEXTILE BASE A PLASTIC FILM. ARVEY CORPORATION, Chicago, Ill.
Filed July 24, 1947, Serial No. 529,342. Published Sept. 28, 1948. Class 55.

505,511. SERVICE OF RAILROAD TRANSPORTATION OF PASSENGERS AND FREIGHT. NORFOLK AND WESTERN RAILWAY COMPANY, Roanoke, Va.
Filed Aug. 18, 1947, Serial No. 531,704. Published Sept. 21, 1948. Class 55.

505,512. PERSONAL LOANS AND INSTALLMENT FINANCING OF TIME PAYMENT SALES OF MERCHANDISE AND COMMODITIES. POSTAL FINANCE COMPANY, Sioux City, Iowa.
Filed Sept. 22, 1947, Serial No. 535,259. Published Sept. 21, 1948. Class 55.

505,513. WATERPROOFING, FLAMEPROOFING, MILDEW-PROOFING OF WOVEN FABRIC CLOTH. CHAMPION TEXTILE FINISHING COMPANY, Chicago, Ill.
Filed Oct. 16, 1947, Serial No. 537,984. Published Sept. 21, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,514. (CLASS 39. CLOTHING.) HERB L. DRICHERT, doing business as Normal'ine Maternity Dress Company, Los Angeles, Calif. Filed June 7, 1948; originally filed, act of 1905, Jan. 19, 1946, Serial No. 495,015.

Normal'ine

FOR MATERNITY DRESSES.
Claims use since July 1, 1945.

505,515. (CLASS 39. CLOTHING.) GALLENKAMP STORES CO., San Francisco and Los Angeles, Calif. Filed Aug. 9, 1948; originally filed, act of 1905, Apr. 23, 1946, Serial No. 500,749.

Gallen Kamp's
OF
CALIFORNIA

FOR SHOES MADE OF LEATHER OR PARTLY OF LEATHER.
Claims use since Mar. 15, 1946.

505,516. (CLASS 39. CLOTHING.) CONRAD BERING, doing business as Conrad Bering Company, Houston, Tex. Filed Sept. 9, 1947; originally filed, act of 1905, May 17, 1946, Serial No. 502,260.

BERING

FOR OUTER SHIRTS, PAJAMAS, SHORTS, NECKTIES, AND HANDKERCHIEFS, FOR MEN AND BOYS.
Claims use since Apr. 1, 1946.

505,517. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE ELECTRONIC INSTRUMENT, INC., Tiffin, Ohio. Filed Dec. 5, 1947; originally filed, act of 1905, June 21, 1946, Serial No. 504,345.

ELECTRON-O-RAY

FOR ELECTRICAL INSTRUMENT FOR IMPARTING RAYS TO THE HUMAN BODY FOR USE IN DIAGNOSIS AND TREATMENT OF DISEASES OF THE HUMAN BODY.
Claims use since July 15, 1945.

505,518. (CLASS 39. CLOTHING.) LEVINE & SMITH, INC., New York, N. Y. Filed May 1, 1948; originally filed, act of 1905, July 9, 1948, Serial No. 505,307.

Levine & Smith

FOR LADIES' APPAREL—NAMELY, COATS, SUITS, DRESSES, FUR COATS, FUR MUFFS, FUR JACKETS, REVERSIBLE FUR COATS, FUR WRAPS, BLOUSES, AND SKIRTS.
Claims use since 1909.

505,519. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EATON MANUFACTURING COMPANY, Cleveland, Ohio. Filed Nov. 26, 1947; originally filed, act of 1905, Aug. 9, 1946, Serial No. 507,115.

THE EATON PERMANENT MOLD MACHINE IS A SYMBOL OF THE QUALITY OF GRAY IRON CASTINGS PRODUCED BY THE PERMANENT MOLD PROCESS.

FOR PERMANENT MOLD GRAY IRON CASTINGS.
Claims use since Apr. 9, 1946.

505,520. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) ANSUL CHEMICAL COMPANY, Marinette, Wis. Filed July 20, 1948; originally filed, act of 1905, Aug. 21, 1946, Serial No. 507,707.

"Dualstream"

FOR FIRE-EXTINGUISHING NOZZLE.
Claims use since July 3, 1946.

505,521. (CLASS 2. RECEPTACLES.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 19, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,446.

Carroll brand

FOR GARMENT BAGS, LAUNDRY BAGS, SHOPPING BAGS, AND SHOE BAGS, ALL OF FABRICS, LEATHER, LEATHERETTE, WATERPROOFED FABRICS, AND COMBINATIONS OF THESE MATERIALS.
Claims use since July 19, 1946.

505,522. (CLASS 2. RECEPTACLES.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 19, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,453.

Carroll HOUSE

FOR GARMENT BAGS, LAUNDRY AND SHOE BAGS OF FABRICS, LEATHER, LEATHERETTE, WATERPROOFED FABRICS, AND COMBINATIONS OF THESE MATERIALS.
Claims use since Aug. 23, 1946.

505,523. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GOOD-ALL ELECTRIC MANUFACTURING COMPANY, Ogallala, Nebr. Filed Mar. 16, 1948; originally filed, act of 1905, Nov. 13, 1946, Serial No. 512,499.

GOOD-ALL

FOR ELECTRICAL APPARATUS COMPRISING OSCILLATORS, VIBRATORS, AND RECTIFIERS—NAMELY, CATHODE CORROSION ELIMINATORS A. C. TO D. C., SELENIUM, COPPER OXIDE, TUNGAR, PLATINUM; WELDERS—NAMELY, 32 VOLT D. C. ARC, A. C. ARC; AMPLIFIERS FOR SOUND SYSTEMS; RADIO CONDENSERS.
Claims use since July 1, 1930.

505,524. (CLASS 22. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALFRED W. EVANS, Gloucester, Va., and Englewood, N. J. Filed July 8, 1948; originally filed, act of 1905, Nov. 19, 1946, Serial No. 512,828.

FOR WINCHES DESIGNED TO BE POWERED BY AN INTERNAL COMBUSTION ENGINE, AND ACCESSORIES THEREFOR—NAMELY, LINES AND FITTINGS, ROOT HOOKS, EQUIPPED WITH A LINE AND WEDGED FITTING, MACHINE ANCHOR LINES WITH WEDGED FITTING, AUTOMATIC SNATCH BLOCKS, SLING BLOCKS, AND CABLE TAKE-UPS.
Claims use since March 1946.

505,525. (CLASS 39. CLOTHING.) HUFFMAN FULL FASHIONED MILLS, INC., Morganton, N. C. Filed June 2, 1948; originally filed, act of 1905, Dec. 5, 1946, Serial No. 513,741.

TRUE SHAPE

FOR LADIES' HOSIERY.
Claims use since Oct. 9, 1946.

505,526. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) THE VENDO COMPANY, Kansas City, Mo. Filed Aug. 2, 1948; originally filed, act of 1905, Dec. 9, 1946, Serial No. 513,959.

AUTOSONIC

FOR COMBINATION MECHANICALLY AND ELECTRICALLY OPERATED DOOR OPENING MECHANISM.
Claims use since Dec. 4, 1946.

505,527. (CLASS 39. CLOTHING.) PILGRIM SPORTSWEAR, INC., New York, N. Y. Filed Mar. 20, 1948; originally filed, act of 1905, Dec. 27, 1946, Serial No. 514,907.

SHIRTEES

FOR INFANTS' AND CHILDREN'S SHIRTS, AND POLO SHIRTS.
Claims use since Nov. 1, 1946.

505,528. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JARECKI MANUFACTURING CO., Erie, Pa. Filed Sept. 4, 1948; originally filed, act of 1905, Dec. 28, 1946, Serial No. 514,958.

JARECKI

FOR BRASS AND IRON VALVES AND BRASS, MALLEABLE AND GRAY IRON PIPE FITTINGS FOR PLUMBING, HEATING, GAS AND OIL WELL AND FLUID DISTRIBUTION SYSTEMS.
Claims use since Nov. 15, 1944.

505,529. (CLASS 39. CLOTHING.) CAVANAUGH DRESSES INC., New York, N. Y. Filed July 8, 1948; originally filed, act of 1905, Dec. 30, 1946, Serial No. 515,021.

STYLED BY
Martha Cavanaugh

The name is fanciful and not that of a known individual.
FOR LADIES', MISSES' AND JUNIOR MISSES' DRESSES.
Claims use since Oct. 2, 1946.

505,530. (CLASS 39. CLOTHING.) HENRY DUDKIN, doing business as Teen Frocks, New York, N. Y. Filed Jan. 2, 1948; originally filed, act of 1905, Jan. 2, 1947, Serial No. 515,164.

Lillian Joyce

FOR GIRLS' DRESSES AND SUITS.
Claims use since August 1946.

505,531. (CLASS 39. CLOTHING.) JAMES OLIVER, Atlantic City, N. J. Filed May 8, 1948; originally filed, act of 1905, Jan. 18, 1947, Serial No. 516,163.

HAWICK

FOR MEN'S AND WOMEN'S UNDERWEAR, SOCKS AND STOCKINGS.
Claims use since May 15, 1946.

505,532. (CLASS 39. CLOTHING.) FORMAN & GUMNER CO., INC., Boston, Mass. Filed Jan. 22, 1948; originally filed, act of 1905, Feb. 5, 1947, Serial No. 516,972.

Forman & Gumner

FOR MISSES' DRESSES.
Claims use since Dec. 1, 1946.

505,533. (CLASS 39. CLOTHING.) STERNBERG KNITTING CO., New York, N. Y. Filed Mar. 12, 1948; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,990.

Kid 'n Cotton

FOR INFANTS' AND CHILDREN'S CREEPERS, ROMPERS, SWEATERS, PANTY SUITS AND PLAY SUITS.
Claims use since Feb. 28, 1947.

505,534. (CLASS 39. CLOTHING.) CAROLINE CARLSON, Los Angeles, Calif. Filed Jan. 9, 1948; originally filed, act of 1905, Apr. 14, 1947, Serial No. 520,612.

Caroline Carlson California Creation

FOR WOMEN'S DRESSES.
Claims use since May 15, 1943.

505,535. (CLASS 39. CLOTHING.) NATHAN MITTELMARK, doing business as Sari Juniors, New York, N. Y. Filed Mar. 10, 1948; originally filed, act of 1905, May 20, 1947, Serial No. 522,737.

Sari JUNIOR

FOR WOMEN'S AND CHILDREN'S DRESSES.
Claims use since Aug. 11, 1943.

505,536. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) FRED SCHNEIDER, doing business as Taper Bowl Pipe Company, New Philadelphia, Ohio. Filed Jan. 22, 1948; originally filed, act of 1905, May 26, 1947, Serial No. 523,030.

TAPER BOWL

FOR TOBACCO PIPES.
Claims use since Dec. 15, 1946.

505,537. (CLASS 32. FURNITURE AND UPHOLSTERY.) ALWIN MANUFACTURING COMPANY, Charlotte, N. C. Filed Dec. 12, 1947; originally filed, act of 1905, June 4, 1947, Serial No. 523,504.

Alwin

FOR CORNER CUPBOARDS, KITCHEN CABINETS, KITCHEN TABLES, AND RECORD CABINETS.
Claims use since Nov. 8, 1946.

505,538. (CLASS 43. THREAD AND YARN.) BERNHARD ULMANN CO. INC., Long Island City, N. Y. Filed July 20, 1948; originally filed, act of 1905, June 5, 1947, Serial No. 523,563.

HEATHER-LAINE

FOR ART NEEDLEWORK YARNS MADE WHOLLY OF WOOL.
Claims use since May 21, 1947.

505,539. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) J. GREENEBAUM TANNING CO., Chicago, Ill. Filed Sept. 17, 1948, Serial No. 529,035.

BARCLAY

Applicant claims ownership of registration No. 426,221.
FOR LEATHER.
Claims use since Oct. 15, 1945.

505,540. (CLASS 39. CLOTHING.) J. SCHOENEMAN, INC., Baltimore, Md. Filed Sept. 21, 1948, Serial No. 530,121.

Flex Tailored

FOR COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS AND OVERCOATS FOR MEN, YOUTHS AND BOYS.
Claims use since April 1945.

505,541. (CLASS 39. CLOTHING.) THE BLACK MANUFACTURING CO., Seattle, Wash. Filed June 4, 1948, Serial No. 531,429.

RAIN-TITE

Applicant claims ownership of registration No. 236,318.
FOR WORKINGMEN'S WATER REPELLENT AND HEAVY WOOL JACKETS, WATERPROOF OVERALLS, WORK PANTS AND WORK SHIRTS.
Claims use since Jan. 15, 1925.

505,542. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) E. F. BURLINGHAM & SONS, Forest Grove, Oreg. Filed Oct. 15, 1948, Serial No. 531,642.

Burlingham's

FOR GRASS, FIELD AND VEGETABLE SEEDS.
Claims use since 1946.

505,543. (CLASS 39. CLOTHING.) WHITTIER SPORTSWEAR CORP., New York, N. Y. Filed Aug. 17, 1948, Serial No. 531,871.

YOU'RE PRETTIER IN A WHITTIER

FOR SWEATERS, BASQUE SHIRTS, SHORTS, SLACKS, PEDAL PUSHERS, BLOUSES, SKIRTS, COATS, SUITS, DRESSES, BATHING SUITS, PLAY SUITS, AND OVERALLS, FOR WOMEN AND MISSES.
Claims use since July 10, 1947.

505,544. (CLASS 13. HARDWARE AND PLUMBING AND STEAM FITTING SUPPLIES.) THE FAIRBANKS COMPANY, New York, N. Y. Filed Sept. 9, 1947, Serial No. 533,869.

American industry flows through fairbanks valves

FOR STEAM AND WATER VALVES.
Claims use since Feb. 1, 1946.

505,545. (CLASS 39. CLOTHING.) SHELBY MANUFACTURING CO., New York, N. Y. Filed Oct. 5, 1948, Serial No. 534,061.

3 LENGTH COTTONS

FOR HOUSE DRESSES.
Claims use since May 15, 1947.

505,546. (CLASS 39. CLOTHING.) SALANT & SALANT, INC., New York, N. Y. Filed Sept. 14, 1948, Serial No. 534,197.

TUFWELT

FOR MEN'S AND BOYS' COTTON PANTS.
Claims use since 1940.

505,547. (CLASS 39. CLOTHING.) LOUIS MEYERS & SON, INC., New York, N. Y. Filed June 17, 1948, Serial No. 535,062.

For the Hands That Rule the World
Meyers Make Gloves

Applicant claims ownership of registration No. 102,687.
FOR LADIES' GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 1, 1946.

505,548. (CLASS 39. CLOTHING.) BUCKEYE GLOVE CO., Toledo, Ohio. Filed Oct. 6, 1948, Serial No. 535,475.

BETTER-BILT

FOR WORK GLOVES OF FABRIC, LEATHER, AND COMBINATIONS THEREOF.
Claims use since Dec. 15, 1939.

505,549. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE RUDOLPH WURLITZER COMPANY, Chicago, Ill. Filed Oct. 8, 1948, Serial No. 536,024.

WURLITZER
THE NAME THAT MEANS Music TO MILLIONS

Applicant claims ownership of registrations Nos. 77,761, 214,557, 219,563, 289,366, 307,270, and 366,254.
FOR PIANOS, PIANO ACCORDIONS, AND ELECTRONIC ORGANS.
Claims use since May 1, 1938.

505,550. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE RUDOLPH WURLITZER COMPANY, Chicago, Ill. Filed Oct. 8, 1948, Serial No. 536,025.

WURLITZER
is Music

Applicant claims ownership of registrations Nos. 77,761, 214,557, 219,563, 289,366, 307,370, and 366,254.
FOR PIANOS, PIANO ACCORDIONS, AND ELECTRONIC ORGANS.
Claims use since Mar. 1, 1946.

505,551. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) CARL PEARLSTEIN, doing business as Nurserymen's Exchange, San Francisco, Calif. Filed Sept. 16, 1948, Serial No. 536,832.

BLOOM-RITE

FOR FLOWER BULBS, SEED AND PLANTS.
Claims use since Aug. 26, 1947.

505,552. (CLASS 39. CLOTHING.) WIMMELBACHER & RICE INC., New York, N. Y. Filed June 15, 1948, Serial No. 538,983.

AMERICAN GLACE

Applicant claims ownership of registration No. 391,343.
FOR LADIES' LEATHER GLOVES.
Claims use since June 4, 1934.

505,553. (CLASS 39. CLOTHING.) WIMMELBACHER & RICE INC., New York, N. Y. Filed Apr. 15, 1948, Serial No. 539,008.

TRICOSUEDE

Applicant claims ownership of registration No. 403,557.
FOR LADIES' FABRIC GLOVES.
Claims use since Mar. 23, 1942.

505,554. (CLASS 12. CONSTRUCTION MATERIALS.) THE BESTLINE CORPORATION, Lacey, Wash. Filed Sept. 23, 1948, Serial No. 544,031.

MULTI-PLYD

FOR PLYWOOD AND PLYWOOD BLOCKS FOR FLOORING.
Claims use since Feb. 15, 1947.

505,555. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPLIES.) CABLE ELECTRIC PRODUCTS, INC., Brooklyn, N. Y. Filed Oct. 6, 1948, Serial No. 546,756.

"pin-up-pak"

FOR ELECTRIC PLUG FUSES.
Claims use since Sept. 22, 1947.

505,556. (CLASS 17. TOBACCO PRODUCTS.) GRADIAX, ANNIS & CO., INC., Tampa, Fla. Filed Aug. 18, 1948, Serial No. 552,309.

Applicant claims ownership of registration No. 410,402.
FOR CIGARS.
Claims use since Oct. 8, 1943.

TRADE-MARK REGISTRATIONS RENEWED

32,494. "COUNTRY CLUB" ETC. AND DRAWING. Registered Feb. 14, 1899. M. K. Goetz Brewing Co., St. Joseph, Mo., a corporation of Missouri. Re-renewed Feb. 14, 1949. BOTTLED BEER. Class 48.

32,563. THIOCOL. Registered Feb. 28, 1899. F. Hoffmann-La Roche & Cie., Basel, Switzerland. Re-renewed Feb. 28, 1949, to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey. REMEDY FOR PHTHISIS. Class 6.

68,293. OSPHATINE. Registered Mar. 24, 1908. Chassaing & Cie., Paris, France. Re-renewed Mar. 24, 1948, to Chassaing de Borredon & Cie. (Maison Chassaing), Asnieres (Seine) France, a firm of France. AN ALIMENTARY PREPARATION FOR INFANTS AND INVALIDS. Class 46.

70,689. THE MONTSERRAT. Registered Sept. 22, 1908. Evans Sons Lescher & Webb Limited, Liverpool, England. Re-renewed Sept. 22, 1948, to The Montserrat Company Limited, Birmingham, England, a corporation organised under the laws of Great Britain. LIME JUICE CORDIAL FREE FROM SPIRIT. Class 45.

71,306. "MEYERS' MAKE" ETC. AND REPRESENTATION OF GLOVES. Registered Nov. 17, 1908. Louis Meyers & Son. Re-renewed Nov. 17, 1948, to Louis Meyers & Son, Inc., New York, N. Y., a corporation of New York. LEATHER GLOVES, GAUNTLETS, AND MITTENS. Class 39.

72,494. CHASE. Registered Jan. 26, 1909. New England Confectionery Co., Boston, Mass. Re-renewed Jan. 26, 1949, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. CANDY LOZENGES. Class 46.

72,495. CANADA. Registered Jan. 26, 1909. New England Confectionery Co., Boston, Mass. Re-renewed Jan. 26, 1949, to New England Confectionery Company, Cambridge, Mass., a corporation of Massachusetts. CANDY LOZENGES. Class 46.

72,856. ATLANTIC. Registered Mar. 2, 1909. The American Thread Company, Jersey City, N. J. Re-renewed Mar. 2, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON AND THREAD. Class 43.

73,237. REPRESENTATION OF DOG'S HEAD AND BONE ENCLOSED BY CIRCULAR DESIGN. Registered Apr. 13, 1909. New Orleans Acid & Fertilizer Company, near Guttenberg and West New York, N. J. Re-renewed Apr. 13, 1949, to The Davison Chemical Corporation, Baltimore, Md., a corporation of Maryland. FERTILIZERS. Class 10.

198,187. EUCARBON. Registered May 5, 1925. Franz Trenka, doing business as F. Trenka Chemisch-Pharmaseutische Fabrik. Renewed May 5, 1945 (as provided by P. L. 517, July 17, 1946), to F. Trenka Chemisch-Pharmaseutische Fabrik, Vienna, Austria, a firm of Austria. PHARMACEUTIC PREPARATIONS—NAMELY, CARBON LOZENGES, ACTING AS A DISINFECTANT FOR THE INTESTINAL TRACT AND AS A MILD LAXATIVE. Class 6.

241,986. ROYAL DUTCH. Registered May 8, 1928. Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co. Renewed May 8, 1948, to Bensdorp N. V., Amsterdam, Netherlands, a corporation of the Netherlands. COCOA. Class 46.

242,369. BAYHESIVE. Registered May 22, 1928. The Bay Company, Bridgeport, Conn. Renewed May 22, 1948, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. ADHESIVE PLASTER. Class 44.

242,609. "REAL". Registered May 29, 1928. El Camino Citrus Association. Renewed May 29, 1948, to El Camino Citrus Association of Claremont, Claremont, Calif., a corporation of California. FRESH CITRUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

245,379. BROOKWELL. Registered Aug. 14, 1928. Brooks Hosiery Mills. Renewed Aug. 14, 1948, to Brooks Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania. HOSIERY. Class 39.

246,494. "BROOKWELL" ETC. AND DRAWING. Registered Sept. 11, 1928. Brooks Hosiery Mills. Renewed Sept. 11, 1948, to Brooks Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania. HOSIERY. Class 39.

246,639. PICA-HEEL. Registered Sept. 11, 1928. Quaker Hosiery Company, Inc. Renewed Sept. 11, 1948, to Quaker Lace Company, Philadelphia, Pa., a corporation of Pennsylvania. HOSIERY. Class 39.

246,734. "PENN-OLA" AND DRAWING. Registered Sept. 11, 1928. Rockland Chemical Co. Renewed Sept. 11, 1948, to Rockland Chemical Co., Newark, N. J., a corporation of New Jersey. DISINFECTANTS. Class 6.

247,084. "SOUNDEX" ETC. AND DESIGN. Registered Sept. 18, 1928. Rand Kardex Service Corporation, Tonawanda and New York, N. Y., assignor to Remington Rand Business Service Corporation. Renewed Sept. 18, 1948, to Remington Rand Inc., New York, N. Y., a corporation of Delaware. BLANK AND PARTIALLY-PRINTED CARDS AND FORMS FOR INDEXES, INDEXES CONSISTING OF BLANK OR PARTIALLY-PRINTED FORMS OR CARDS, ETC. Class 37.

247,355. "INTER-STATE" ETC. AND DRAWING LINED FOR RED AND GREEN. Registered Sept. 25, 1928. Inter-State Auto Parts Co., Inc., New York, N. Y., a corporation of New York. Renewed Sept. 25, 1948. AUTOMOBILE ACCESSORIES—NAMELY, ELECTRICAL HORNS, ELECTRIC LAMPS, BATTERY CONNECTORS, IGNITION PARTS, AND SPARK PLUGS. Class 21.

248,045. COLLARITE. Registered Oct. 16, 1928. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Oct. 16, 1948. MEN'S COLLARS AND DRESS AND NEGLIGEE SHIRTS. Class 39.

248,060. OR-LEM. Registered Oct. 16, 1928. Reginald James Stranger, doing business as Strangers, Ltd., Southampton, England. Renewed Oct. 16, 1948. NON-ALCOHOLIC BEVERAGES MADE FROM CITRUS-FRUIT JUICES AND SOLD AS SOFT DRINKS. Class 45.

248,081. JAX-SON. Registered Oct. 16, 1928. Rothschild & Sons, Incorporated, Kansas City, Mo., a corporation of Missouri. Renewed Oct. 16, 1948. PAJAMAS AND UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR USE BY MEN, WOMEN, AND CHILDREN. Class 39.

248,550. E. J. BROOKS & CO. Registered Oct. 23, 1928. E. J. Brooks and Company, New York, N. Y. Renewed Oct. 23, 1948, to E. J. Brooks Company, Newark, N. J., a corporation of New Jersey. BASE-METAL TRUCK-CAR AND SHIPPING-CASE SEALS, SEALS FOR CONTAINERS AND PACKAGES, AND SEALS FOR TAGS. Class 25.

248,658. "SERV-US" AND DESIGN. Registered Oct. 30, 1928. Sibson & Stern, Inc. Renewed Oct. 30, 1948, to The Shen Manufacturing Company, Philadelphia, Pa., a firm. DISHCLOTHS, BAR CLOTHS, FLOOR CLOTHS, POT HOLDERS, TABLE MATS, AND CHAIR COVERS OF KNITTED AND WOVEN FABRIC. Class 42.

248,676. INVINCIBLE. Registered Oct. 30, 1928. Bastian-Morley Co., also doing business as Gas and Electric Heater Co. Renewed Oct. 30, 1948, to Bastian-Morley Co. Inc., La Porte, Ind., a corporation of Indiana. ELECTRIC WATER HEATERS. Class 21.

248,719. "IRON FIREMAN" AND DESIGN. Registered Oct. 30, 1928. Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon. Renewed Oct. 30, 1948. AUTOMATIC COAL BURNERS. Class 34.

249,037. RENAULT. Registered Nov. 6, 1928. L. N. Renault & Sons, Inc., Egg Harbor City, N. J., a corporation of New Jersey. Renewed Nov. 6, 1948. GENERAL TONIC, HAVING A WINE BASE. Class 6.

249,276. LIMB'RTONE. Registered Nov. 13, 1928. The Troy Chemical Co., Binghamton, N. Y., a corporation of New York. Renewed Nov. 13, 1948. LINIMENT FOR HUMAN USE FOR SPRAINED AND INJURED MUSCLES, LIGAMENTS, AND TENDONS. Class 6

249,801. KIDDIE POP. Registered Nov. 20, 1928. John G. Metke, doing business as Queen City Specialty Co., Buffalo, N. Y. Renewed Nov. 20, 1948. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FOR JUICES OR SYRUPS FOR MAKING THE SAME. Class 45.

249,979. BICHETTE. Registered Nov. 27, 1928. Onondaga Silk Co., Inc., Syracuse and New York, N. Y. Renewed Nov. 27, 1948, to Onondaga Silk Co., Inc., New York, N. Y., a corporation of New York. SILK FABRICS IN THE PIECE. Class 42.

250,249. JAMESWAY. Registered Dec. 4, 1928. James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin. Renewed Dec. 4, 1948. NAME PLATES; POULTRY EQUIPMENT — NAMELY, WATERERS, FEEDERS, POULTRY NESTS AND TRAP ATTACHMENTS THEREFOR, ETC. Class 50.

250,438. NAPHTHOSOL. Registered Dec. 11, 1928. Wetterwald & Pfister Company, Inc. Renewed Dec. 11, 1948, to American Cyanamid Company, New York, N. Y., a corporation of Maine. DYESTUFFS AND INTERMEDIATES. Class 6.

250,539. JAMESWAY. Registered Dec. 11, 1928. James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin. Renewed Dec. 11, 1948. STEEL SUPPORTING COLUMNS WITH CAPS AND BASES UNFILLED AND FILLED WITH CEMENT; METAL WINDOW FOR HOG HOUSES, ETC. Class 12.

251,050. PAJA-LASTIC. Registered Dec. 25, 1928. Phillips-Jones Corporation, New York, N. Y., a corporation of New York. Renewed Dec. 25, 1948. MEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRICS AND PAJAMAS. Class 39.

251,382. BLUE BOY. Registered Jan. 8, 1929. Chisholm-Moore Hoist Corporation, Cleveland, Ohio. Renewed Jan. 8, 1949, to Chisholm-Moore Hoist Corporation, Tonawanda, N. Y., a corporation of New York. DIFFERENTIAL HOISTS. Class 23.

251,430. SOLVAY. Registered Jan. 8, 1929. The Solvay Process Company, Solvay, N. Y. Renewed Jan. 8, 1949, to Allied Chemical & Dye Corporation, Geddes, N. Y., a corporation of New York. INORGANIC CHEMICALS, AS FOLLOWS: SODIUM COMPOUNDS, CALCIUM COMPOUNDS, POTASSIUM COMPOUNDS, ETC. Class 6.

251,494. "TAUBERLAK" ETC. AND DESIGN. Registered Jan. 8, 1929. The Tauber Co., Uncasville, Montville, Conn. Renewed Jan. 8, 1949, to The Tauber Co., Uncasville, Conn., a firm. FOOD-BEVERAGE POWDER COMPRISING A MIXTURE OF HONEY, MALT, ETC. Class 46.

251,595. "RAINBOW" AND DESIGN LINED FOR GREEN, YELLOW, RED, AND BLUE COLORS. Registered Jan. 8, 1929. Amsterdam Broom Co., Amsterdam, N. Y., a corporation of New York. Renewed Jan. 8, 1949. BROOMS. Class 29.

251,804. GRAFONOLA. Registered Jan. 15, 1929. Columbia Phonograph Company, Inc. Renewed Jan. 15, 1949, to Columbia Records Inc., Bridgeport, Conn., a corporation of Delaware. PHONOGRAPHS OR TALKING MACHINES, PARTS AND ACCESSORIES THEREFOR—NAMELY, SPRING MOTORS, TONE ARMS, ETC. Class 36.

251,888. BISKRAH. Registered Jan. 15, 1929. L. & E. Stirn, New York, N. Y. Renewed Jan. 15, 1949, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. SILK AND WOOL MIXED PIECE GOODS. Class 42.

251,994. "COKESBURY PRESS" ETC. AND DRAWING. Registered Jan. 22, 1929. Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South, doing business as Cokesbury Press. Renewed Jan. 22, 1949, to Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn., a corporation of Tennessee. PRINTED BOOKS. Class 38.

252,262. NEPTUNE. Registered Jan. 29, 1929. L. & E. Stirn, New York, N. Y. Renewed Jan. 29, 1949, to Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware. BEACH COATS MADE OF PILE FABRICS. Class 39.

253,305. ZEST. Registered Feb. 26, 1929. A. H. Barber & Company, Chicago, Ill. Renewed Feb. 26, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. CHEESE, INCLUDING NOT ONLY BULK CHEESE, BUT ALSO CHEESE IN SMALL PACKAGES OR CONTAINERS AND PROCESSED, REMELTED, OR BLENDED CHEESE. Class 46.

253,361. SHELL-ANE. Registered Feb. 26, 1929. Roxana Petroleum Corporation, St. Louis, Mo. Renewed Feb. 26, 1949, to Shell Oil Company, Incorporated, San Francisco, Calif., a corporation of Virginia. GAS IN PORTABLE TANKS FOR THE PRODUCTION OF LIGHT, HEAT, AND POWER. Class 6.

253,384. "MAJOR'S CEMENT" ETC. AND DESIGN. Registered Feb. 26, 1929. Major Manufacturing Co., New York, N. Y. Renewed Feb. 26, 1949, to Plough, Inc., Memphis, Tenn., a corporation of Delaware. ADHESIVE CEMENT. Class 5.

253,766. "WEATHERWEAR" AND DESIGN. Registered Mar. 5, 1929. International Shoe Company, doing business as Great Northern Shoe Co., St. Louis, Mo., and Manchester, N. H. Renewed Mar. 5, 1949, to International Shoe Company, St. Louis, Mo., a corporation of Delaware. LEATHER BOOTS, SHOES, AND SLIPPERS. Class 39.

254,466. "TUX" AND DRAWING. Registered Mar. 26, 1929. Gallagher-Thomas Chemical Co. Renewed Mar. 26, 1949, to Neil Thomas, San Francisco, Calif. HAIR TONICS, HAIR RESTORER. Class 6.

254,532. MAMMOL. Registered Mar. 26, 1929. Swan-Myers Company, Indianapolis, Ind. Renewed Mar. 26, 1949, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois. DRESSING FOR THE NIPPLES OF NURSING MOTHERS. Class 6.

254,598. MEDALLION DESIGN. Registered Mar. 26, 1929. Dorothy Gray, New York, N. Y. Renewed Mar. 26, 1949, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. PATTERS FOR THE SKIN AND TISSUE AND REDUCING CHIN STRAP. Class 44.

254,779. SILK. Registered Apr. 2, 1929. Jackson C. E. Glass, doing business as Glass Sales Agency, Oakland, Calif. Renewed Apr. 2, 1949, to Silklin Paper Corporation, San Francisco, Calif., a corporation of California. TOILET PAPER. Class 37.

254,976. "TRANSPORT" AND SHIELD DESIGN. Registered Apr. 2, 1929. The Pennzoil Company, Oil City, Pa., a corporation of Pennsylvania. Renewed Apr. 2, 1949. LUBRICATING OILS AND GREASES. Class 15.

255,362. PREMOID. Registered Apr. 23, 1929. Premoid Products Inc., West Springfield, Mass., a corporation of Massachusetts. Renewed Apr. 23, 1949. RUBBER-CONTAINING FIBROUS MATERIAL IN BLOCK OR SHEET FORM, INCLUDING RUBBER-CONTAINING PAPER ROLLS. Class 50.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

221,815. LEMAIRE. Registered Dec. 14, 1926. Sussfeld, Lorsch & Schimmel, New York, N. Y. BINOCULARS, FIELD AND MARINE GLASSES, OPERA GLASSES, AND TELESCOPES. Class 26. Corrected as follows: In the renewal certificate, line 2, for "New York, N. Y." read *Paris, France.*

339,988. TRIGGERSILK. Registered Oct. 27, 1936. Haspel Brothers, Inc., New Orleans, La. MEN'S AND BOYS' SUITS, COATS, PANTS, AND VESTS. Class 39. Amended as follows: In the statement, line 7, "MEN'S AND" is deleted.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired terms of the original registrations.

159,720. RAINBOW. Registered Oct. 3, 1922. Marshall Field & Company. MUSLIN, CAMBRIC, NAINSOOK, AND LONG CLOTH, ALL IN THE PIECE. Class 42. New certificate under section 7(c) issued Jan. 4, 1949, to Rainbow Shops, Inc., Brooklyn, N. Y., a corporation of New York.

233,765. "HANDY-ANDY" AND DESIGN. Registered Oct. 11, 1927. Handy Andy Community Stores, Inc. CANNED PEACHES. Class 46. New certificate under section 7(c) issued Jan. 4, 1949, to Handy-Andy Community Stores, Inc., San Antonio, Tex., a corporation of Delaware.

323,126. TEX-STYLE. Registered Apr. 2, 1935. Carson Pirie Scott & Company. PIECE GOODS COMPOSED OF COTTON, RAYON, RAYON AND COTTON AND WOOL. Class 42. New certificate under section 7(c) issued Jan. 4, 1949, to Martin Weiner Corp., Clifton, N. J., a corporation of New Jersey.

364,392. SHINGLETEX. Registered Jan. 31, 1939. Sherriff-Goslin Co. SHINGLES AND SIDING. Class 12. New certificate under section 7(e) issued Jan. 4, 1949, to The Ruberoid Co., New York, N. Y., a corporation of New Jersey.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 74,811. Registered Aug. 10, 1909. GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

SPARTAN

FOR BELTING-LEATHER.
Claims use since July 1908.

Reg. No. 75,159. Registered Sept. 7, 1909. GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR LEATHER FOR BELTING
Claims use since July 1908.

Reg. No. 76,621. Registered Feb. 1, 1910. GRATON & KNIGHT MFG. CO., Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR LEATHER FOR BOOTS AND SHOES.
Claims use since July 1908.

Reg. No. 77,918. Registered May 17, 1910. GRATON & KNIGHT MFG. CO., Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

SPARTAN

FOR LEATHER FOR BOOTS AND SHOES.
Claims use since July 1909.

Reg. No. 114,568. Registered Dec. 19, 1916. STONEGA COKE & COAL COMPANY, Big Stone Gap, Va., a corporation of Delaware. Republished by registrant.

STONEGA

FOR COAL AND COKE.
Claims use since about 1902.

Reg. No. 114,749. Registered Jan. 2, 1917. THE GRATON AND KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

Grako

FOR LEATHER AS A FINISHED PRODUCT.
Claims use since July 1, 1916.

Reg. No. 115,030. Registered Jan. 16, 1917. STONEGA COKE & COAL COMPANY, Big Stone Gap, Va., a corporation of Delaware. Republished by registrant.

RODA

FOR COAL AND COKE.
Claims use since about 1902.

Reg. No. 147,613. Registered Oct. 25, 1921. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

ROYAL WORCESTER 1851 G&K

FOR LACE-LEATHER AND CUT LACES OF LEATHER.
Claims use since 1900.

Reg. No. 161,132. Registered Nov. 7, 1922. EXCELSIOR WRAPPPER COMPANY, Chicago, Ill. Republished by American Excelsior Corperation, Chicago, Ill., a corporation of Delaware.

PIONEER

FOR EXCELSIOR, EXCELSIOR PRODUCTS—NAMELY, PADS, AND PARTICULARLY EXCELSIOR PADS FOR EGG PACKING.
Claims use since Oct. 15, 1921.

Reg. No. 190,878. Registered Oct. 28, 1924. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

BAR-BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CUT LACE LEATHER AND LACE LEATHER IN SIDES.
Claims use since on or about Jan. 1, 1924.

Reg. No. 215,753. Registered July 27, 1926. CLARK-COLEMAN COAL & COKE CO., Peoria, Ill. Republished by Clark-Coleman Coal & Coke Co., Peoria, Ill., a corporation of Illinois.

KENTUCKY IDEAL

FOR COAL.
Claims use since Jan. 1, 1924.

Reg. No. 236,259. Registered Dec. 6, 1927. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

The drawing is lined for the color gold.
FOR SOLE LEATHER.
Claims use since Apr. 8, 1927.

Reg. No. 244,116. Registered July 10, 1928. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by General Atlas Carbon Company, Boston, Mass., a corporation of Massachusetts.

GASTEX

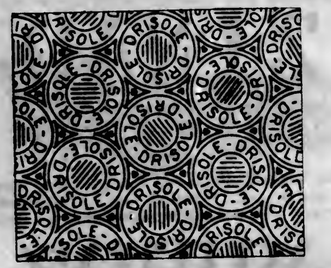
FOR CARBON BLACK.
Claims use since about Feb. 8, 1928.

Reg. No. 246,761. Registered Sept. 11, 1928. DRISOLE TANNING COMPANY, Cudahy, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

DRISOLE

FOR SHOE-SOLE LEATHER.
Claims use since Dec. 3, 1926.

Reg. No. 252,286. Registered Jan. 29, 1929. DRISOLE TANNING COMPANY, Cudahy, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.



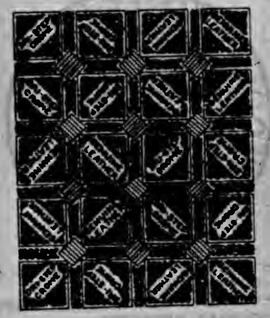
FOR SHOE-SOLE LEATHER.
Claims use since Apr. 26, 1927.

Reg. No. 300,782. Registered Feb. 7, 1933. BOONE COUNTY COAL CORPORATION, Sharples, W. Va., and Philadelphia, Pa., a corporation of West Virginia. Republished by registrant.

VESTA

FOR BITUMINOUS COAL.
Claims use since Apr. 5, 1932.

Reg. No. 305,353. Registered Aug. 15, 1933. SCHERER LEATHER COMPANY, Milwaukee, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.



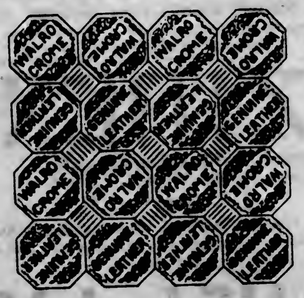
The representation of the goods, and the words "Crome," and "Genuine Leather" are disclaimed apart from the mark as shown.
FOR LEATHER.
Claims use since Mar. 13, 1936.

Reg. No. 308,587. Registered Dec. 12, 1933. SCHERER LEATHER COMPANY, Milwaukee, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

BONITA

FOR LEATHER.
Claims use since July 18, 1933.

Reg. No. 315,792. Registered Aug. 7, 1934. SCHERER LEATHER COMPANY, Milwaukee, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.



The descriptive words "Chrome" and "Genuine Leather" and the representation of the piece of leather are disclaimed apart from the mark as shown.
FOR LEATHER.
Claims use since May 22, 1933.

Reg. No. 342,068. Registered Jan. 5, 1937. SCHERER LEATHER COMPANY, Cudahy, Wis. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

SCHERER LEATHER CO. S. MILWAUKEE, WIS.
VEL-DUR
CALF

The words "Calf" and "Milwaukee, Wis." are disclaimed apart from the mark as shown.

FOR TANNED CALF SKINS, SUEDE LEATHER BEING SPECIFICALLY EXCEPTED.
Claims use since Mar. 1, 1936.

Reg. No. 372,835. Registered Nov. 14, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

ZINOL

FOR ZINC-TREATED ROSIN SOLUTIONS IN PETROLEUM SOLVENTS.
Claims use since Nov. 22, 1937.

Reg. No. 372,836. Registered Nov. 14, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

ZITRO

FOR SOLID ZINC-TREATED ROSIN.
Claims use since Oct. 12, 1937.

Reg. No. 372,837. Registered Nov. 14, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

ZIREX

FOR SOLID ZINC-TREATED ROSIN.
Claims use since Nov. 11, 1938.

Reg. No. 372,838. Registered Nov. 14, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

HELIX

FOR SOLID LIME-TREATED PALE ROSIN.
Claims use since Nov. 5, 1935.

Reg. No. 372,839. Registered Nov. 14, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

TENEX

FOR HEAT-TREATED "X" GRADE WOOD ROSIN.
Claims use since Jan. 2, 1934.

Reg. No. 374,710. Registered Jan. 23, 1940. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

ZIKOL

FOR ZINC-TREATED ROSIN SOLUTION IN PETROLEUM SOLVENT.
Claims use since Oct. 12, 1938.

Reg. No. 392,351. Registered Dec. 23, 1941. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

FIBRONIZED

FOR EXTRUDED RESINOID PLASTIC MATERIALS IN THE FORM OF TUBES, RODS, STRIPS, AND MONOFILAMENT THREADS.
Claims use since Apr. 17, 1941.

Reg. No. 402,506. Registered July 27, 1943. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

ZINAR

FOR SOLID ZINC-TREATED ROSIN.
Claims use since Nov. 21, 1940.

Reg. No. 402,525. Registered July 27, 1943. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

NUROZ

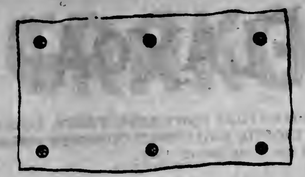
FOR POLYMERIZED, OR PARTIALLY POLYMERIZED ROSIN.
Claims use since Nov. 15, 1938.

Reg. No. 420,390. Registered Apr. 9, 1946. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

MED-O-SEAL

FOR EXTRUDED RESINOID PLASTIC TUBES, RODS, STRIPS, AND MONOFILAMENT THREADS.
Claims use since May 28, 1945.

Reg. No. 422,434. Registered July 23, 1946. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.



The representation of the piece of leather per se is disclaimed apart from the mark as shown. The drawing is lined for the color silver.

FOR LEATHER IN THE PIECE.
Claims use since Aug. 7, 1939.

CLASS 2

RECEPTACLES

Reg. No. 111,160. Registered July 4, 1916. AMERICAN VULCANIZED FIBRE CO., Wilmington, Del. Republished by National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware.

VUL-COT

FOR WASTE-BASKETS.
Claims use since January 1911.

Reg. No. 139,227. Registered Jan. 25, 1921. WAYNE OIL TANK & PUMP COMPANY, Fort Wayne, Ind. Republished by The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland.

Wayne

FOR TANKS.
Claims use since Feb. 6, 1920.

Reg. No. 220,282. Registered Nov. 9, 1926. KARL VOSS CORPORATION, Hoboken, N. J. Republished by Karl Voss Corporation, Hoboken, N. J., a corporation of New Jersey.

KVC

FOR PAPER AND PASTEBOARD BOXES AND PAPER AND PASTEBOARD CONTAINERS.
Claims use since December 1924.

Reg. No. 282,365. Registered Sept. 6, 1927. ANDERSON BOX COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

FOR CHICK BOXES FOR SHIPPING.
Claims use since June 1925.

Reg. No. 237,231. Registered Jan. 3, 1928. ROGERS FIBRE COMPANY, Kennebunk, Maine. Republished by National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware.

Leatheroid

FOR BOXES, TRUCKS, CANS, BARRELS, MILL BASKETS, TRAYS, AND WASTE BASKETS MADE PARTLY OR WHOLLY OF FIBER BOARD.
Claims use since about 1884.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 255,933. Registered Apr. 30, 1929. THE BUCHHEIMER COMPANY, Worcester, Mass., assignor to Graton & Knight Company. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

"SMART SET"

FOR ANIMAL EQUIPMENT—NAMELY, COLLARS, HARNESS, LEADS, WHIPS, MUZZLES, SWEATERS, BLANKETS, AND CARRIERS, SUCH AS CONVEYANCES FOR TRANSPORTING SMALL ANIMALS.
Claims use since March 1924.

Reg. No. 412,733. Registered Mar. 20, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CATHAY

FOR HANDBAGS, WALLETS, PORTFOLIOS, AND TRAVELING CASES.
Claims use since Oct. 30, 1936.

Reg. No. 412,734. Registered Mar. 20, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CAVENCRAFT

FOR HANDBAGS, WALLETS, PORTFOLIOS, AND TRAVELLING CASES.
Claims use since June 1, 1935.

Reg. No. 434,456. Registered Nov. 18, 1947. NASH, INCORPORATED, Jersey City, N. J., a corporation of New Jersey. Republished by registrant.

The SHADOW

FOR BILLFOLDS, POCKET BOOKS, PURSES, AND WALLETS.
Claims use since Dec. 16, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 69,229. Registered May 26, 1908. MAX LOEWENSTEIN, New York, N. Y. Republished by Magic Polish Co., Inc., New York, N. Y., a corporation of New York.

MAGIC

FOR METAL-POLISH.
Claims use since Feb. 26, 1892.

Reg. No. 155,831. Registered June 6, 1922. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FLAXOAP

FOR SOAPS (DRY POWDERED, PASTE, SEMIPASTE, FLAKE, LIQUID, AND OTHER CONSISTENCIES).
Claims use since March 1909.

Reg. No. 223,234. Registered Jan. 25, 1927. ALPHA CHEMICAL COMPANY, Baltimore, Md. Republished by Alpha Chemical Company, Inc., Baltimore, Md., a corporation of Maryland.

ALPHA

FOR LIQUID CLEANING COMPOUND FOR WOOD, METAL, GLASS, MARBLE, PAINTED WOODWORK, FLOORS, WALLS, AND FURNITURE.
Claims use since May 1, 1925.

Reg. No. 294,324. Registered May 24, 1932. THE KIWI POLISH COMPANY PROPRIETARY LIMITED, Richmond, near Melbourne, Australia, a company incorporated under the laws of the State of Victoria, in the Commonwealth of Australia. Republished by registrant.

KIWI

FOR POLISHING AND CLEANING PREPARATIONS FOR BOOTS, SHOES, AND LEATHER GOODS.
Claims use since at least the month of April 1908.

Reg. No. 402,594. Registered Aug. 3, 1943. GEM PRODUCTS, INC., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SPRUSUP

FOR SHOE POLISHES AND CLEANERS FOR WHITE SHOES.
Claims use since Dec. 31, 1942.

Reg. No. 417,910. Registered Nov. 20, 1945. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

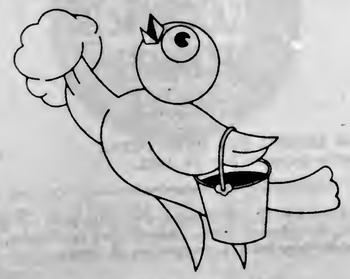
GRAKO

FOR BELT DRESSING.
Claims use since July 1939.

Reg. No. 418,364. Registered Dec. 18, 1945. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

The drawing is lined for shading only.
FOR BELT DRESSING.
Claims use since as early as 1939.

Reg. No. 426,393. Registered Dec. 24, 1946. HOOD CHEMICAL CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Pittsburgh, Pa.



FOR HOUSEHOLD CLEANER.
Claims use since Jan. 4, 1946.

Reg. No. 433,881. Registered Nov. 4, 1947. HOOD CHEMICAL CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Pittsburgh, Pa.

SING

FOR HOUSEHOLD CLEANER.
Claims use since Jan. 4, 1946.

CLASS 5

ADHESIVES

Reg. No. 194,814. Registered Feb. 10, 1925. ANDERSON BROTHERS CO. INC., New York, N. Y., a corporation of Delaware. Republished by registrant, present address Jersey City, N. J.

The words "Flexible Glue" and "Superfine" are disclaimed apart from the mark as shown.
FOR GLUE.
Claims use since Apr. 1, 1924.

Reg. No. 217,350. Registered Aug. 31, 1926. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

The word "Worcester" is disclaimed apart from the mark as shown.
FOR ADHESIVE BELT CEMENT.
Claims use since about 1900.

Reg. No. 224,446. Registered Mar. 1, 1927. KNEFLER-BATES MANUFACTURING COMPANY, Indianapolis, Ind. Republished by Knefler-Bates Company, Indianapolis, Ind., a corporation of Indiana.

The word "Paste" is disclaimed apart from the mark as shown. The drawing is lined for shading only.
FOR COLD-WATER PASTE.
Claims use since Aug. 21, 1926.

Reg. No. 240,657. Registered Apr. 3, 1928. HERBERT J. GRAY, New York, N. Y. Republished by registrant.

FOR WRAPPING PAPER, TISSUE PAPER, PAPER TOWELS, TOILET PAPER, WATERPROOF PAPER, PARCHMENT AND GLASSINE PAPER, WAXED PAPER, CORRESPONDENCE ENVELOPES, BLOTTING PAPER, PAPER SEALING TAPE, AND CORRUGATED PAPER.
Claims use since Oct. 15, 1920.

Reg. No. 414,542. Registered June 12, 1945. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

NEPTUNE

FOR ADHESIVE BELT CEMENT.
Claims use since 1902.

Reg. No. 422,598. Registered July 30, 1946. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

FOR ADHESIVE BELT CEMENT.
Claims use since 1902.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 31,790. Registered July 5, 1898. FRIES BROS., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

Powdered · Superior · Sweetener
.....or Glycosine.

FOR POWDERED OR LIQUID SWEETENERS, SACCHARINE SUBSTANCES, AND BENZOIC SULFINIDS, IN SOLUTION OR OTHER FORM.
Claims use since on or about Dec. 1, 1895.

Reg. No. 63,705. Registered July 2, 1907. HAROLD H. FRIES, New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

KÉLÈNE

FOR CHLORID OF ETHYL.
Claims use since 1894.

Reg. No. 87,419. Registered July 16, 1912. E. A. BROMUND COMPANY, New York, N. Y. Republished by Hood Chemical Co., Inc., Pittsburgh, Pa., a corporation of New York.

E-Z

FOR LAUNDRY-STARCH POLISH.
Claims use since Oct. 1, 1907.

Reg. No. 95,504. Registered Feb. 17, 1914. DR. CAMDEN WOOSTER, St. Louis, Mo. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

DR. WOOSTER'S CORN AND BUNION REMEDY No. 1 & No. 2.

FOR REMEDY FOR HARD CORNS.
Claims use since Dec. 26, 1892.

Reg. No. 194,742. Registered Feb. 10, 1925. FLORIAN INC., Des Moines, Iowa. Republished by Florian, Inc., Des Moines, Iowa, a corporation of Iowa.

Florian

FOR FACE POWDER.
Claims use since 1907.

Reg. No. 204,448. Registered Oct. 20, 1925. SELBY, BATTERSBY & Co., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

The applicant's name and the word "Philadelphia" are disclaimed apart from the mark.
FOR FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS.
Claims use since on or about Mar. 16, 1925.

Reg. No. 204,449. Registered Oct. 20, 1925. SELBY, BATTERSBY & Co., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

The applicant's name and the word "Philadelphia" are disclaimed apart from the mark.
FOR FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS.
Claims use since on or about Apr. 1, 1925.

Reg. No. 225,186. Registered Mar. 15, 1927. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR BAKING POWDER AND BLUING, GLOSS STARCH, AND SALT FOR FOOD PURPOSES.
Claims use since July 1906.

Reg. No. 228,384. Registered May 31, 1927. PUBLICKER INC., Philadelphia, Pa. Republished by Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Alco-Wash

The word "Wash" is disclaimed apart from the mark as shown.
FOR ALCOHOL PREPARATION FOR EXTERNAL USE.
Claims use since about March 1921.

Reg. No. 236,873. Registered Dec. 27, 1927. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

KELO-FORM

FOR ANAESTHETICS.
Claims use since May 28, 1926.

Reg. No. 242,637. Registered May 29, 1928. FELTON CHEMICAL COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Aquarome

FOR ALDEHYDES SUITABLE FOR PERFUMING PURPOSES, ALCOHOLS SUITABLE FOR PERFUMING PURPOSES AND NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES, PERFUMES AND TOILET WATER.
Claims use since Nov. 9, 1925.

Reg. No. 242,638. Registered May 29, 1928. FELTON CHEMICAL COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Colorome

FOR ALDEHYDES SUITABLE FOR PERFUMING PURPOSES, ALCOHOLS SUITABLE FOR PERFUMING PURPOSES, NATURAL AND SYNTHETIC ESSENTIAL OILS SUITABLE FOR PERFUMING PURPOSES AND PERFUMES AND TOILET WATER.
Claims use since Dec. 17, 1927.

Reg. No. 249,714. Registered Nov. 20, 1928. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

VANALDOL

FOR ETHYL PROTOCATECHUIC ALDEHYDE.
Claims use since Dec. 12, 1927.

Reg. No. 252,606. Registered Feb. 12, 1929. MENLEY & JAMES, LIMITED, NEW YORK, New York, N. Y. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

ALBUTESTA

FOR SOLUTION TO BE USED AS A TEST FOR URINE.
Claims use since Aug. 14, 1928.

Reg. No. 255,380. Registered Apr. 23, 1929. DR. MILES MEDICAL COMPANY, Elkhart, Ind. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

Bromo-vess

FOR NERVE SEDATIVE.
Claims use since Sept. 18, 1928.

Reg. No. 265,227. Registered Dec. 17, 1929. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

GLY-KETOL

FOR LIQUID SOLVENT.
Claims use since June 12, 1929.

Reg. No. 272,206. Registered July 1, 1930. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

ASEPTOFORM

FOR GERMICIDE AND FUNGICIDE.
Claims use since Oct. 22, 1929.

Reg. No. 289,719. Registered Dec. 1, 1931. HAROLD H. FRIES, New York, N. Y. Republished by Fries Bros., Inc., Borough of Manhattan, New York, N. Y., a corporation of New Jersey.

CRESOPHAN

FOR ANTISEPTIC AND DISINFECTANT.
Claims use since Apr. 27, 1931.

Reg. No. 292,573. Registered Mar. 29, 1932. NORMANDY PRODUCTS COMPANY, Los Angeles, Calif. Republished by Robert H. Cromwell, Jr., Los Angeles, Calif.

TONIX

FOR HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, EYEBROW AND EYELASH GROWER, AND DEPILATORIES.
Claims use since April 1927.

Reg. No. 296,914. Registered Aug. 23, 1932. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

XEROL

FOR EMULSIFYING AGENT IN THE NATURE OF A WAX WHICH IS PRINCIPALLY USED IN THE MANUFACTURE OF PHARMACEUTICAL AND COSMETIC PREPARATIONS.
Claims use since Mar. 11, 1932.

Reg. No. 316,848. Registered Sept. 4, 1934. INDO-VIN, INC., Cincinnati, Ohio. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

INDO-VIN

FOR TONIC FOR TREATING INDIGESTION, CONSTIPATION, EXHAUSTION, ACIDITY, AND HEADACHE.
Claims use since Feb. 19, 1934.

Reg. No. 322,292. Registered Mar. 5, 1935. THE DILL CO., Norristown, Pa., a corporation of Pennsylvania. Republished by registrant.

ESPOTABS

FOR LAXATIVE MEDICINE IN TABLET FORM.
Claims use since Oct. 1, 1934.

Reg. No. 330,335. Registered Nov. 26, 1935. J. ROY ALLEN, doing business as Chasers Co., New York, N. Y. Republished by Chasers, Inc., New York, N. Y., a corporation of New York.

CHASERS

FOR PREPARATION FOR NEUTRALIZING AND OVERCOMING ALCOHOLIC AND SIMILAR BREATH ODORS.
Claims use since Jan. 22, 1935.

Reg. No. 341,426. Registered Dec. 8, 1936. ROYAL DRUG COMPANY, Chicago, Ill. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

The drawing is lined for red. The word "Cosmetic" is disclaimed apart from the mark as shown.
FOR CLEANSING CREAM.
Claims use since May 1, 1930.

Reg. No. 352,413. Registered Nov. 30, 1937. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

Alka-Vess

FOR EFFERVESCENT ALKALIZING PREPARATION.
Claims use since May 24, 1937.

Reg. No. 352,878. Registered Dec. 14, 1937. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

Salici-Vess

FOR SALICYLATE, IODIDE WITH ALKALI BUFFERS IN AN EFFERVESCENT TABLET.
Claims use since June 29, 1937.

Reg. No. 373,905. Registered Dec. 26, 1939. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

POLEOL

FOR EMULSIFIABLE PINE OIL.
Claims use since Feb. 16, 1934.

Reg. No. 384,076. Registered Jan. 7, 1941. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

Calce-Vess

FOR ALKALINE EFFERVESCENT TABLETS.
Claims use since Feb. 24, 1940.

Reg. No. 401,145. Registered Apr. 27, 1943. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

A NATIONAL

FOR COMPRESSED GASES—NAMELY, HYDROGEN, OXYGEN, NITROGEN, ACETYLENE, CARBON DIOXIDE, CARBOHYDROGEN, AND SOLID CARBON DIOXIDE.
Claims use since June 29, 1934.

Reg. No. 401,312. Registered May 11, 1943. EFFERVESCENT PRODUCTS, INC., Elkhart, Ind. Republished by Ames Company, Inc., Elkhart, Ind., a corporation of Indiana.

Acetyl-Vess

The word "Acetyl" is disclaimed apart from the mark as shown.
FOR ALKALINE EFFERVESCENT TABLETS HAVING AN ANALGESIC-ANTIPYRETIC ACTION.
Claims use since Feb. 24, 1940.

Reg. No. 407,446. Registered June 6, 1944. FRIES BROS., INC., New York, N. Y., a corporation of New Jersey. Republished by registrant.

CYCLONOL

FOR 1-METHYL-3-DIMETHYL-CYCLOHEXANOL-(5), HAVING THE CHARACTERISTIC ODOR AND COOLING EFFECT OF MENTHOL AND USED AS A SUBSTITUTE FOR MENTHOL.
Claims use since Sept. 17, 1943.

Reg. No. 407,882. Registered July 4, 1944. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

POLY-TAC

FOR RESIN FOR USE IN A TACKIFIER, PLASTICIZER, REPLACER AND EXTENDER OF CRUDE RUBBER, RECLAIMED RUBBER AND SYNTHETIC RUBBER.
Claims use since Dec. 10, 1942.

Reg. No. 413,584. Registered May 1, 1945. AMES COMPANY, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Barbro-Vess

FOR EFFERVESCENT TABLETS CONTAINING PHENOBARBITAL RECOMMENDED FOR USE AS A SEDATIVE IN CASES OF NEUROLOGICAL DISORDERS, ESSENTIAL HYPERTENSION, AND OTHER ALLIED CONDITIONS.
Claims use since July 31, 1944.

Reg. No. 416,742. Registered Sept. 25, 1945. PICKER X-RAY CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

VITALIX

FOR REPLENISHER FOR DEVELOPER FOR X-RAY FILM.
Claims use since November 1942.

Reg. No. 419,111. Registered Feb. 5, 1946. PICKER X-RAY CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

PERFIX

FOR FIXER FOR X-RAY FILMS.
Claims use since November 1942.

Reg. No. 421,386. Registered May 28, 1946. AMES COMPANY, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

BUMINTEST

FOR REAGENT TABLET FOR THE PURPOSE OF TESTING SOLUTIONS FOR THE PRESENCE OF ALBUMIN.
Claims use since Oct. 5, 1945.

Reg. No. 423,736. Registered Sept. 10, 1946. ACETOGEN ASSOCIATES, INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.

ACETOGEN

FOR HIGHLY REFINED GAS USED IN THE INDUSTRIAL ARTS.
Claims use since June 1944.

Reg. No. 434,230. Registered Nov. 11, 1947. HUNTINGTON LABORATORIES, INC., Huntington, Ind., a corporation of Indiana. Republished by registrant.

SAN PHENO

FOR PERFUMED DISINFECTANT AND HOSPITAL GERMICIDE.
Claims use since Dec. 15, 1931.

Reg. No. 434,678. Registered Dec. 2, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COTILLION CLASSIC

FOR COSMETIC SET CONSISTING OF COLOGNE AND BODY POWDER.
Claims use since Apr. 10, 1946.

Reg. No. 434,690. Registered Dec. 2, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PIPE DREAM

FOR MEN'S TOILETRIES—NAMELY, TALC FOR MEN, DEODORANT, AFTER SHAVE LOTION, STYPTIC CREAM.
Claims use since Oct. 3, 1946.

CLASS 12
CONSTRUCTION MATERIALS

Reg. No. 118,162. Registered Aug. 21, 1917. CONCRETE ENGINEERING COMPANY, Omaha, Nebr. Republished by Ceco Steel Products Corporation, Chicago, Ill., a corporation of Nebraska.

CECO

FOR STRUCTURAL IRON AND STEEL BUILDING MATERIALS.
Claims use since Apr. 1, 1914.

Reg. No. 154,043. Registered Apr. 4, 1922. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

THERMOLITH

FOR REFRACTORY CEMENT.
Claims use since June 15, 1921.

Reg. No. 160,206. Registered Oct. 17, 1922. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

FIREBOND

FOR REFRACTORY CEMENT.
Claims use since June 15, 1921.

Reg. No. 172,134. Registered Aug. 21, 1923. BOLCOM CANAL LUMBER CO., Seattle, Wash. Republished by W. A. Steigleder, doing business as Speed Gets 'Em Lumber Company, Seattle, Wash.

SPEED GETS 'EM

FOR LUMBER.
Claims use since June 1920.

Reg. No. 188,715. Registered Sept. 2, 1924. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR FIRE BRICK AND REFRACTORY CEMENTS.
Claims use since May 1, 1928.

Reg. No. 204,448. Registered Oct. 20, 1925. SELBY, BATTERSBY & CO., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

The applicant's name and the word "Philadelphia" are disclaimed apart from the mark.
FOR FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS.
Claims use since on or about Mar. 16, 1925.

Reg. No. 204,449. Registered Oct. 20, 1925. SELBY, BATTERSBY & Co., Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

The applicant's name and the word "Philadelphia" are disclaimed apart from the mark.
FOR FLOORING COMPOSITION, COMPLETED FLOORING, STUCCO COMPOSITION, AND MAGNESIUM CHLORIDE ENTERING INTO THESE COMPOSITIONS.
Claims use since on or about Apr. 1, 1925.

Reg. No. 255,478. Registered Apr. 23, 1929. CHARLES E. PUTMAN, doing business as Colonial Cedar Company, Seattle, Wash. Republished by registrant.

COLONIAL

FOR WOOD, SLATE, COMPOSITION, AND PAPER SHINGLES.
Claims use since Jan. 12, 1925.

Reg. No. 265,538. Registered Dec. 31, 1929. CHARLES E. PUTMAN, doing business as Colonial Cedar Company, Seattle, Wash. Republished by registrant.

MAJORS

FOR WOODEN SHINGLES.
Claims use since Nov. 27, 1928.

Reg. No. 265,539. Registered Dec. 31, 1929. CHARLES E. PUTMAN, doing business as Colonial Cedar Company, Seattle, Wash. Republished by registrant.

JUNIORS

FOR WOODEN SHINGLES.
Claims use since Nov. 27, 1928.

Reg. No. 310,762. Registered Mar. 6, 1934. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

HARWACO BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR REFRACTORY CEMENT.
Claims use since Nov. 10, 1932.

Reg. No. 315,912. Registered Aug. 14, 1934. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

ALUSITE

FOR FIRE BRICK.
Claims use since Aug. 28, 1926.

Reg. No. 321,533. Registered Feb. 5, 1935. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

HW

FOR REFRACTORY, INSULATING, AND ACID-PROOF BRICK.
Claims use since Jan. 2, 1932.

Reg. No. 331,438. Registered Jan. 7, 1936. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

DURO

FOR ACID-PROOF BRICK.
Claims use since Mar. 17, 1915.

Reg. No. 353,278. Registered Dec. 28, 1937. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

MAGNEX

FOR FIRE BRICK.
Claims use since Mar. 6, 1937.

Reg. No. 415,351. Registered Aug. 7, 1945. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

VEGA

FOR FIRE BRICK.
Claims use since Dec. 23, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 139,050. Registered Jan. 18, 1921. WAYNE OIL TANK & PUMP COMPANY, Fort Wayne, Ind. Republished by The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland.

Wayne

FOR NOZZLES AND NOZZLE-CASINGS.
Claims use since May 1914.

Reg. No. 255,451. Registered Apr. 23, 1929. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

GEM

FOR FLUSH VALVES.
Claims use since about Oct. 15, 1928.

Reg. No. 271,429. Registered June 3, 1930. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

XPELOR

FOR VALVES FOR USE IN WATER SUPPLY SYSTEMS.
Claims use since about Oct. 15, 1928.

Reg. No. 284,196. Registered June 16, 1931. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CROWN

FOR FLUSH VALVES.
Claims use since about Dec. 29, 1930.

Reg. No. 284,212. Registered June 16, 1931. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

NAVAL

FOR FLUSH VALVES.
Claims use since Oct. 1, 1930.

Reg. No. 349,785. Registered Sept. 7, 1937. HARVEY-WHIPPLE, INCORPORATED, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

TRIPALATOR

FOR OIL BURNER ATOMIZERS.
Claims use since Jan. 1, 1935.

Reg. No. 368,758. Registered June 27, 1939. SNELL-JONES TACK CORPORATION, Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

PRESTO

FOR GLAZIERS' POINTS.
Claims use since Dec. 15, 1938.

Reg. No. 410,682. Registered Dec. 12, 1944. SLOAN VALVE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ROYAL

FOR FLUSH VALVES FOR WATER SUPPLY SYSTEM.
Claims use since 1911.

Reg. No. 410,773. Registered Dec. 19, 1944. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

TORCHWELD

FOR GAS PRESSURE REGULATORS.
Claims use since about 1920.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 399,595. Registered Jan. 19, 1943. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

CORVIC

FOR COPPER AND COPPER ALLOY WELDING RODS.
Claims use since Mar. 22, 1935.

CLASS 15

OILS AND GREASES

Reg. No. 187,280. Registered July 29, 1924. THE ELCO PETROLEUM COMPANY, St. Louis, Mo. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

QUALITY
ELCO OILS
SERVICE

The words "Quality," "Oils," and "Service" are disclaimed apart from the mark as shown.
FOR GASOLINE.
Claims use since Jan. 6, 1923.

Reg. No. 257,541. Registered June 11, 1929. PANHARD OIL CORPORATION, New York, N. Y. Republished by Panhard Oil Corporation, New York, N. Y., a corporation of Delaware, assignor to New York Lubricating Oil Company, a corporation of New York.

EXCELSOL EXCELSOL EXCELSOL EXCELSOL

FOR LUBRICATING GREASES AND LUBRICATING OILS FOR MACHINERY, ENGINES, MOTORS, AND DYNAMOS.
Claims use since Dec. 14, 1928.

Reg. No. 262,469. Registered Oct. 15, 1929. THE CINCINNATI OIL WORKS CO., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

The words "High Compression" are disclaimed apart from the mark as shown.
FOR GASOLINE.
Claims use since Oct. 1, 1928.

Reg. No. 292,691. Registered Mar. 22, 1932. THE ELCO GREASE & OIL COMPANY, Cleveland, Ohio. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

GEAR SAFETY No. 28

The notation "No. 28" is disclaimed apart from the mark as shown.

FOR LEAD BASE LUBRICATING GREASE.

Claims use since on or about May 1, 1931.

Reg. No. 349,996. Registered Sept. 14, 1937. THE ELCO GREASE & OIL COMPANY, Cleveland, Ohio. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

ELCO

FOR LUBRICATING OILS AND GREASES.

Claims use since on or about Jan. 6, 1923.

Reg. No. 387,690. Registered May 27, 1941. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

The lining on drawing is for shading purposes only. Applicant disclaims "28" apart from the mark as shown.

FOR LUBRICATING OILS AND GREASES.

Claims use since on or about January 1937.

Reg. No. 422,620. Registered Aug. 6, 1946. ARCHIE T. STRATTON, Cleveland, Ohio. Republished by registrant.

FOR LUBRICATING OIL FOR ADDITION TO GASOLINE, FUEL OIL, OR CYLINDER OIL TO PREVENT STICKING VALVES AND TO REDUCE GUM, WAX, AND VARNISH FORMATION.

Claims use since May 2, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 67,166. Registered Jan. 21, 1908. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Metalastic

FOR MIXED PAINTS.

Claims use since May 7, 1902.

Reg. No. 129,333. Registered Feb. 17, 1920. BOSTON VARNISH COMPANY, Everett, Mass., a corporation of Massachusetts. Republished by registrant.

Kyanize

FOR PAINTS AND ENAMELS FOR WOOD, METAL, AND THE LIKE.

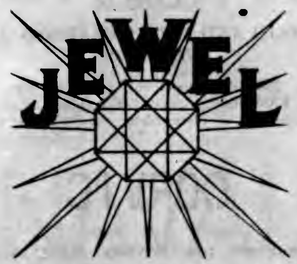
Claims use since 1907.

Reg. No. 138,246. Registered Dec. 21, 1920. THE GEM HAMMOCK & FLY NET COMPANY, Milwaukee, Wis. Republished by Gem Products, Inc., Milwaukee, Wis., a corporation of Wisconsin.

FOR POLISH FOR FURNITURE, AUTOMOBILES, FLOORS, WOODWORK, ETC.

Claims use since May 28, 1917.

Reg. No. 150,639. Registered Jan. 3, 1922. WADSWORTH-HOWLAND COMPANY, Chicago, Ill. Republished by Jewel Paint & Varnish Co., Chicago, Ill., a corporation of Illinois.



FOR WALL-FINISH, IRON-ENAMEL, MIXED PAINT, VARNISH-STAIN, OIL STAIN, IRON-PAINT, FLAT

PAINT, VARNISH, TUB AND CAN ENAMEL, ALUMINUM PAINT, RIM-COATING, GUN-METAL FINISH, CYLINDER-ENAMEL, TIRE-DRESSING, BLACK AUTO-ENAMEL, WHITE ENAMEL, OIL COLORS, JAPAN COLORS, AUTO, WAGON, AND MILL PAINT, RIM-COATING, GUN-METAL FINISH, AND TIRE-DRESSING BEING IN THE NATURE OF PAINTS, POLISH FOR AUTOMOBILES, CARRIAGES, PIANOS, FURNITURE, AND ANY VARNISHED SURFACE.

Claims use since 1890.

Reg. No. 152,785. Registered Mar. 7, 1922. THE GEM HAMMOCK & FLY NET COMPANY, Milwaukee, Wis. Republished by Gem Products, Inc., Milwaukee, Wis., a corporation of Wisconsin.

KLEEN-O

FOR OIL FOR MOPS.

Claims use since Nov. 24, 1916.

Reg. No. 169,451. Registered June 19, 1923. ENTERPRISE PAINT MFG. CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

ENTERPRISE

FOR READY-MIXED AND PASTE PAINTS, VARNISHES, PAINT ENAMELS, WOOD FILLERS, COACH COLORS, LIQUID PAINT USED TO PRODUCE A SLATE-LIKE SURFACE AS IN THE MAKING OF BLACKBOARDS, STAINS, OCHER, AUTOMOBILE FINISH, FURNITURE POLISH, AND PAINT FOR RENEWING SHADE CLOTH.

Claims use since 1893.

Reg. No. 195,884. Registered Feb. 24, 1925. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

The words "Hi Grade Paint and Varnish Products" are disclaimed apart from the mark as shown.

FOR WOOD FILLER, ENAMELS, PAINTS, AND VARNISHES.

Claims use since May 1, 1924.

Reg. No. 199,379. Registered June 9, 1925. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

FLOORKON

FOR PAINT FOR USE UPON CEMENT FLOORS.

Claims use since Feb. 10, 1910.

Reg. No. 206,095. Registered Nov. 24, 1925. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

SACOLITE

FOR PASTE AND READY-MIXED PAINTS.

Claims use since Nov. 10, 1924.

Reg. No. 244,116. Registered July 10, 1928. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by General Atlas Carbon Company, Boston, Mass., a corporation of Massachusetts.

GASTEX

FOR CARBON BLACK.

Claims use since about Feb. 8, 1928.

Reg. No. 304,176. Registered June 27, 1933. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

The words "Exterior," "Enamel," "Speed," "Safety," "Hi-Grade," "Paint," "Varnish," and "Products," are disclaimed apart from the mark as shown.

FOR PAINT ENAMEL FOR EXTERIOR USE.

Claims use since Feb. 1, 1933.

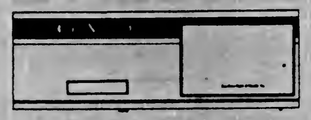
Reg. No. 315,497. Registered July 31, 1934. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

LIN-O-VAR

FOR VARNISH FOR LINOLEUM.

Claims use since June 20, 1933.

Reg. No. 335,579. Registered June 9, 1936. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo. Republished by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed. The colors, green, yellow, black and white are claimed as features of the mark.

FOR VARNISH STAINS, PAINT ENAMELS, SPAR VARNISH, LINOLEUM VARNISH, FLOOR VARNISH, GENERAL PURPOSE VARNISH AND READY-MIXED PAINTS.

Claims use since Jan. 3, 1936.

Reg. No. 341,883. Registered Dec. 29, 1936. STAR-BRITE PAINT CO., Chicago, Ill. Republished by Nu-Enamel Corporation, Chicago, Ill., a corporation of Delaware.

STAR★BRITE

The drawing is lined for the color red.

FOR PAINT ENAMELS, DRY, READY MIXED, AND PASTE PAINTS, VARNISHES, POLISHES, THINNERS, LACQUERS, AND WAX POLISHES.

Claims use since July 14, 1936.

Reg. No. 402,941. Registered Aug. 24, 1943. NEWPORT INDUSTRIES, INC., Pensacola, Fla., a corporation of Delaware. Republished by registrant.

VARENE

FOR DRYING OIL SUBSTITUTES FOR PAINTS AND VARNISHES.

Claims use since Mar. 4, 1943.

Reg. No. 408,188. Registered July 25, 1944. GEM PRODUCTS, INC., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SPRUSUP

FOR OIL TYPE FURNITURE POLISH, WHITE EMULSION FURNITURE POLISH, YELLOW EMULSION FURNITURE POLISH, WOOD-WORK SCRATCH REMOVER AND TOUCH-UP POLISH, SELF-POLISHING WATER EMULSION WAX, LIQUID POLISHING WAX, POWDERED DANCE WAX, AND PASTE POLISHING WAX.

Claims use since Jan. 26, 1944.

Reg. No. 424,289. Registered Oct. 1, 1946. THE SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

HI GRADE SMITH-ALSOP PAINT

AERO-LIFT REMOVER

The words "Smith-Alsop," "Remover," and "Hi-Grade Paint and Varnish Products" are disclaimed apart from the mark as shown.

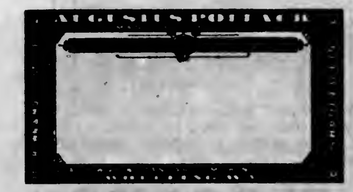
FOR PAINT AND VARNISH REMOVER.

Claims use since Oct. 5, 1937.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 62,837. Registered May 28, 1907. HOWARD HAZLETT, ADMINISTRATOR OF AUGUSTUS POLLACK, DECEASED, Wheeling, W. Va. Republished by Augustus Pollack, Incorporated, Wheeling, W. Va., a corporation of West Virginia.



FOR STOGIES.

Claims use since 1880.

Reg. No. 63,310. Registered June 11, 1907. HOWARD HAZLETT, ADMINISTRATOR OF THE ESTATE OF AUGUSTUS POLLACK, DECEASED, Wheeling, W. Va. Republished by Augustus Pollack, Incorporated, Wheeling, W. Va., a corporation of West Virginia.

FOR STOGIES.

Claims use since 1884.

Reg. No. 63,311. Registered June 11, 1907. HOWARD HAZLETT, ADMINISTRATOR OF THE ESTATE OF AUGUSTUS POLLACK, DECEASED, Wheeling, W. Va. Republished by Augustus Pollack, Incorporated, Wheeling, W. Va., a corporation of West Virginia.

FOR STOGIES.

Claims use since 1883.

Reg. No. 203,569. Registered Sept. 22, 1925. G. H. P. CIGAR COMPANY, INC., Philadelphia, Pa. Republished by G. H. P. Cigar Company, Inc., Philadelphia, Pa., a corporation of Maryland.

The words "For Real Enjoyment" are disclaimed apart from the mark as shown.

FOR CIGARS.

Claims use since Jan. 22, 1924.

CLASS 19

VEHICLES

Reg. No. 39,008. Registered Oct. 7, 1902. GEORGE M. HENDEE, Springfield, Mass. Republished by Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts.

INDIAN

FOR MOTORCYCLES.

Claims use since about Jan. 1, 1898.

Reg. No. 237,231. Registered Jan. 3, 1928. ROGERS FIBRE COMPANY, Kennebunk, Maine. Republished by National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware.

Leatheroid

FOR BOXES, TRUCKS, CANS, BARRELS, MILL BASKETS, TRAYS, AND WASTE BASKETS MADE PARTLY OR WHOLLY OF FIBER BOARD.

Claims use since about 1884.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 106,128. Registered Oct. 12, 1915. THE WHITNEY BLAKE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

<WEB>

FOR INSULATED WIRE AND CABLES.

Claims use since Aug. 1, 1914.

Reg. No. 185,527. Registered June 17, 1924. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IRV-O-SLOT

FOR ELECTRICAL INSULATING MATERIAL—TO WIT, FLEXIBLE LAMINATE SHEET MATERIAL MADE OF TEXTILE FABRIC AND FIBROUS PAPER WITH AN INTERMEDIATE LAYER OF NONDRYING PLASTIC COMPOUND HAVING DIELECTRIC PROPERTIES.
Claims use since Mar. 1, 1921.

Reg. No. 210,431. Registered Mar. 16, 1926. NATIONAL VULCANIZED FIBRE CO., Wilmington, Del., a corporation of Delaware. Republished by registrant.

PHENOLITE

FOR LAMINATED FABRICATED MATERIAL FOR ELECTRICAL INSULATION.
Claims use since Mar. 1, 1925.

Reg. No. 393,129. Registered Jan. 27, 1942. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IRV-O-LITE

FOR EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION.
Claims use since September 1939.

Reg. No. 393,130. Registered Jan. 27, 1942. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IRV-O-VOLT

FOR VARNISHED TUBING FOR ELECTRICAL INSULATION.
Claims use since May 1, 1939.

Reg. No. 397,541. Registered Sept. 8, 1942. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

HYFLEX

FOR EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION.
Claims use since Mar. 11, 1942.

Reg. No. 397,542. Registered Sept. 8, 1942. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

TRANSFLEX

FOR EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION.
Claims use since Dec. 15, 1941.

Reg. No. 401,176. Registered Apr. 27, 1943. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

OXYGEN APPARATUS NATIONAL ACETYLENE

The words "Oxygen," "Acetylene," and "Apparatus" are disclaimed apart from the mark as shown.
FOR ALTERNATING CURRENT ELECTRIC WELDING APPARATUS AND DIRECT CURRENT WELDING APPARATUS.
Claims use since Sept. 1, 1940.

Reg. No. 402,190. Registered July 6, 1943. THE WHITNEY BLAKE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

PLASTITE

FOR INSULATED WIRES AND CABLES.
Claims use since Dec. 17, 1942.

Reg. No. 402,320. Registered July 13, 1943. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IRV-O-FLEX

FOR EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION.
Claims use since Dec. 17, 1942.

Reg. No. 405,222. Registered Jan. 11, 1944. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IVI-FLEX

FOR EXTRUDED PLASTIC TUBING FOR ELECTRICAL INSULATION.
Claims use since July 30, 1943.

Reg. No. 406,670. Registered Apr. 18, 1944. THE WHITNEY BLAKE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

STRATO-CABLE

The word "Cable" is disclaimed apart from the mark as shown.
FOR INSULATED WIRES AND CABLES OF THE TYPE USED IN COMMUNICATIONS, INSTRUMENT WIRING, AND OTHER INSTALLATIONS EXCEPT WIRING FOR ELECTRICAL LIGHT FIXTURES.
Claims use since Dec. 30, 1942.

Reg. No. 421,195. Registered May 21, 1946. THE WHITNEY BLAKE COMPANY, Hamden and New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

TELEPRENE

FOR INSULATED ELECTRIC WIRE.
Claims use since Sept. 18, 1945.

Reg. No. 424,948. Registered Oct. 29, 1946. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IRV-O-FLATSEME

The word "Flatseme" is disclaimed apart from the mark as shown.
FOR YELLOW VARNISHED CAMBRIC TAPE, USED FOR ELECTRICAL INSULATION PURPOSES.
Claims use since Nov. 27, 1945.

Reg. No. 427,000. Registered Jan. 21, 1947. THE WHITNEY BLAKE COMPANY, Hamden and New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

TELEPLATE

FOR INSULATED ELECTRIC WIRE.
Claims use since Mar. 22, 1946.

Reg. No. 434,737. Registered Dec. 2, 1947. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Fieldcrest

FOR ELECTRICALLY HEATED BLANKETS OF ANIMAL, VEGETABLE, MINERAL, AND SYNTHETIC MATERIAL AND MIXTURES THEREOF.
Claims use since Feb. 7, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 137,977. Registered Dec. 14, 1920. THE CRAWFORD MCGREGOR & CANBY COMPANY, Dayton, Ohio. Republished by Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio.

"MACGREGOR"

FOR GOLF CLUBS AND GOLF BALLS.
Claims use since about Mar. 1, 1897.

Reg. No. 188,932. Registered Sept. 9, 1924. THE CRAWFORD MCGREGOR AND CANBY COMPANY, Dayton, Ohio. Republished by Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio.

MACGREGOR DAYTON.O.

The words "Dayton, O." are disclaimed apart from the mark as shown.
FOR GOLF CLUBS.
Claims use since March 1897.

Reg. No. 382,319. Registered Oct. 22, 1940. O. F. MOSSBERG & SONS, INC., New Haven, Conn., a corporation of Connecticut. Republished by registrant.

Targo

FOR TARGET THROWING DEVICES.
Claims use since on or about May 13, 1940.

Reg. No. 383,234. Registered Nov. 26, 1940. O. F. MOSSBERG & SONS, INC., New Haven, Conn., a corporation of Connecticut. Republished by registrant.

TARGO

FOR TARGETS AND CLAY PIGEONS.
Claims use since on or about July 5, 1940.

Reg. No. 384,990. Registered Feb. 11, 1941. O. F. Mossberg & Sons, Inc., New Haven, Conn., a corporation of Connecticut. Republished by registrant.

MOSSBERG Targo

FOR TRAPSHOOTING GAME INCLUDING A SPECIALLY FORMED FIREARM FOR SMALL CALIBRE SHOT SHELLS, A TRAP FOR THROWING TARGETS, HANDLE FOR TRAP, READILY FRACTURABLE TARGETS, A NET FOR CATCHING MISSED TARGETS, AND A SPECIAL TARGET HOLDING CONTAINER.
Claims use since on or about July 1, 1940.

Reg. No. 389,077. Registered July 22, 1941. Tykie Toy Company, Piqua, Ohio, a firm. Republished by registrant.

TYKIE TOY

The word "Toy" is disclaimed apart from the mark as shown.
FOR BABY TOYS—NAMELY, BABY RATTLES AND BABY TEETHING TOYS.
Claims use since July 15, 1940.

Reg. No. 412,736. Registered Mar. 20, 1945. Cavendish Trading Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

SUN GIRL

FOR ROLLER SKATES, GOLF CLUBS, GOLF BALLS, FISHING LINES, BASEBALL BATS, BASEBALLS, TENNIS RAQUETS, TENNIS BALLS, BADMINTON SETS, FOOTBALLS, BASKET BALLS, TOY BUILDING SETS, BOARD GAMES PLAYED WITH PEGS, DOLLS AND DOLLS' CLOTHES.
Claims use since Feb. 8, 1938.

Reg. No. 413,447. Registered Apr. 24, 1945. Cavendish Trading Corporation, New York, N. Y., a corporation of New York. Republished by registrant.

SPORTWAY

FOR PLAYING CARDS, NOISE MAKERS—NAMELY, TOY WHISTLES, HORNS, AND RATTLERS; ADJUSTABLE TOY ANIMALS, PULL TOYS, TOY BUILDING SETS, DOLLS, DOLLS' CLOTHES, OPTICAL TOYS, TOY FURNITURE, BOARD GAMES PLAYED WITH PEGS, CARDBOARD CUT OUT TOYS—NAMELY, JIG SAW PUZZLES AND BOOK WARDROBE CUT-OUTS AND DOLLS; FISHING LINES, GOLF CLUBS, BASEBALL BATS, BASKET BALLS, GOLF AND TENNIS BALLS, TENNIS RACKETS AND FOOTBALLS.
Claims use since Feb. 27, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 83,488. Registered Sept. 19, 1911. The Graphite Lubricating Company, Bound Brook, N. J. Republished by Bound Brook Oil-Less Bearing Company, Bound Brook, N. J., a corporation of New Jersey.

"Bound Brook"

FOR METAL AND GRAPHITE MACHINE-BEARINGS, BUSHINGS, AND THRUST BEARINGS OF WASHER TYPE.
Claims use since January 1892.

Reg. No. 103,727. Registered Apr. 13, 1915. Hendee Manufacturing Company, Springfield, Mass. Republished by Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts.

FOR INTERNAL-COMBUSTION ENGINES.
Claims use since about Jan. 1, 1901.

Reg. No. 103,728. Registered Apr. 13, 1915. Hendee Manufacturing Company, Springfield, Mass. Republished by Indian Motocycle Company, Springfield, Mass., a corporation of Massachusetts.

Indian

FOR INTERNAL-COMBUSTION ENGINES.
Claims use since about Jan. 1, 1901.

Reg. No. 116,521. Registered May 8, 1917. The Graphite Lubricating Company, Bound Brook, N. J. Republished by Bound Brook Oil-Less Bearing Company, Bound Brook, N. J., a corporation of New Jersey.

No claim is made to the representation of the bearing.
FOR SELF-LUBRICATING TROLLEY-WHEEL BUSHINGS AND METAL AND GRAPHITE BEARINGS AND BUSHINGS.
Claims use since Sept. 18, 1914.

Reg. No. 130,637. Registered May 4, 1920. Bell & Howell Company, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BELL & HOWELL COMPANY STANDARD CINEMACHINERY

The drawing is lined for black. The words "Bell & Howell Company Standard Cinemachinery" are disclaimed apart from the mark as shown.
FOR MOTION PICTURE FILM PERFORATORS, MOTION PICTURE FILM PERFORATOR EXHAUSTERS, MOTION PICTURE FILM PERFORATOR BLOWERS, MOTION PICTURE FILM SPLICING MACHINES AND SPECIAL GRINDERS FOR SHARPENING PUNCHES AND DIES OF MOTION PICTURE FILM PERFORATORS.
Claims use since Oct. 10, 1914.

Reg. No. 131,367. Registered May 11, 1920. The Scott & Fetzer Company, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Vacuette

FOR HAND-OPERATED SUCTION CARPET-SWEEPERS.
Claims use since Mar. 3, 1919.

Reg. No. 136,455. Registered Nov. 2, 1920. The Henkel-Clauss Co., Fremont, Ohio, a corporation of Ohio. Republished by registrant, present address Fremont, Ohio, and New York, N. Y.

Clauss

FOR MEAT, VEGETABLE, AND FOOD CHOPPERS; PRUNERS; TINNER, JEWELER, RUBBER, AND AUTOMOBILE SNIPS; SCISSORS; SHEARS; RAZORS, HAND-KNIVES.
Claims use since as early as July 1887.

Reg. No. 202,397. Registered Aug. 18, 1925. Bound Brook Oil-Less Bearing Company, Bound Brook, N. J., a corporation of New Jersey. Republished by registrant.

COMPO

FOR BEARINGS AND BUSHINGS.
Claims use since on or about Nov. 15, 1924.

Reg. No. 202,398. Registered Aug. 18, 1925. Bound Brook Oil-Less Bearing Company, Bound Brook, N. J., a corporation of New Jersey. Republished by registrant.

COMPO

FOR BEARINGS AND BUSHINGS.
Claims use since on or about Nov. 15, 1924.

Reg. No. 205,145. Registered Nov. 3, 1925. The Ireland & Matthews Manufacturing Company, Detroit, Mich. Republished by Autopulse Corporation, Detroit, Mich., a corporation of Michigan.

AUTOPULSE

FOR FUEL PUMPS FOR INTERNAL COMBUSTION ENGINES.
Claims use since July 14, 1924.

Reg. No. 212,735. Registered May 11, 1926. Columbus Iron Works Co., doing business as Southern Plow Co. Dept., Columbus, Ga., a corporation of Georgia. Republished by registrant.

IDEAL

FOR HEEL SWEEPS FOR CULTIVATORS.
Claims use since October 1923.

Reg. No. 236,075. Registered Dec. 6, 1927. The Aldrich Pump Company, Allentown, Pa., a corporation of Pennsylvania. Republished by registrant.

KOSMOS

FOR PORCELAIN PUMP PLUNGERS.
Claims use since May 31, 1927.

Reg. No. 238,672. Registered Feb. 14, 1928. JABEZ BURNS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

NORMALIZER

FOR MACHINES FOR GRINDING, CRACKING, AND OTHERWISE TREATING COFFEE AND CHAFF.
Claims use since Oct. 15, 1927.

Reg. No. 281,717. Registered Mar. 24, 1931. COLUMBUS IRON WORKS CO., Columbus, Ga., a corporation of Georgia. Republished by registrant.

FOR PLOWS.
Claims use since Oct. 1, 1930.

Reg. No. 294,165. Registered May 17, 1932. BARBOUR STOCKWELL COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

BEAUDRY

FOR POWER-HAMMERS AND TRIP-HAMMERS.
Claims use since at least as early as 1894.

Reg. No. 294,166. Registered May 17, 1932. BARBOUR STOCKWELL COMPANY, Cambridge, Mass., a corporation of Massachusetts. Republished by registrant.

CHAMPION

FOR POWER-HAMMERS AND TRIP-HAMMERS.
Claims use since at least as early as 1894.

Reg. No. 328,933. Registered Oct. 8, 1935. SAMUEL OLSON MANUFACTURING COMPANY, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SUBVEYOR

FOR VERTICAL AND HORIZONTAL CONVEYING MACHINERY OF THE CHARACTER OF STORE SERVICE EQUIPMENT.
Claims use since Feb. 2, 1914.

Reg. No. 362,981. Registered Dec. 6, 1938. COLUMBUS IRON WORKS COMPANY, doing business as Columbus Iron Works Company, Southern Plow Company Department, Columbus, Ga., a corporation of Georgia. Republished by registrant.

BIG JIM

FOR FERTILIZER DISTRIBUTORS.
Claims use since July 15, 1938.

Reg. No. 369,116. Registered July 18, 1939. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

The word "Hotop" is disclaimed apart from the mark as shown.
FOR COVERS FOR INGOT MOLDS.
Claims use since Apr. 26, 1937.

Reg. No. 379,698. Registered July 23, 1940. BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J., a corporation of New Jersey. Republished by registrant.

POWDIRON

FOR MACHINERY BEARINGS, BUSHINGS FOR A MECHANICAL WORKING JOINT, AND MACHINE PARTS, INCLUDING PISTONS, VALVE STEM GUIDES, POROUS METAL PLUGS, TOGGLE PINS, FILTER ELEMENTS, SLIDES, GEARS, POROUS METAL RINGS, END PLATES, THRUST WASHERS, POROUS METAL RETAINERS, AND SIMILAR PARTS OF POROUS METAL FOR BEARING SURFACES.
Claims use since on or about October 1, 1938.

Reg. No. 391,414. Registered Nov. 4, 1941. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

ORANGE

FOR LOOM SUPPLIES—NAMELY, LEATHER CHECK STRAPS, PICKERS, JACK STRAPS, HARNESS STRAPS, DOBBY CORDS, SPINDLE STRAPS, DOLL PICKERS, AND LOOM BUMPERS.
Claims use since Sept. 1, 1940.

Reg. No. 393,756. Registered Mar. 3, 1942. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

PICKMASTER

FOR LOOM SUPPLIES—NAMELY, PICKERS.
Claims use since Jan. 30, 1941.

Reg. No. 393,768. Registered Mar. 3, 1942. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

HAIRITAN

FOR LOOM SUPPLIES—NAMELY, CHECK STRAPS, FLAT MILL STRAPPING, BOX PLATE STRAPS, FLAT HARNESS STRAPS, JACK STRAPS, LUG STRAPS, LUG HOLD-UP STRAPS, ROUND HARNESS AND DOBBY STRAPS, BUMPER AND SPINDLE STRAPS, LOOP PICKERS, AND STAFF AND BLOCK PICKERS.
Claims use since Feb. 1, 1940.

Reg. No. 395,576. Registered June 2, 1942. BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J., a corporation of New Jersey. Republished by registrant.

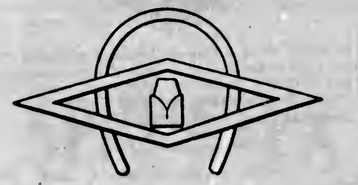
The words "Oil-Retaining Porous Bronze" are disclaimed apart from the mark as shown.
FOR MACHINERY BEARINGS, BUSHINGS FOR MECHANICAL WORKING JOINTS AND MACHINE PARTS INCLUDING PISTONS, VALVE STEM GUIDES, POROUS BRONZE PLUGS, TOGGLE PINS, FILTER ELEMENTS, SLIDES, GEARS, POROUS BRONZE RINGS, END PLATES, THRUST WASHERS, POROUS BRONZE RETAINERS, AND SIMILAR PARTS OF POROUS BRONZE FOR BEARING SURFACES.
Claims use since on or about Oct. 1, 1941.

Reg. No. 403,467. Registered Sept. 28, 1943. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y., a corporation of New York. Republished by registrant.

BARCALO

FOR WRENCHES AND PLIERS.
Claims use since 1913.

Reg. No. 421,445. Registered June 4, 1946. DIAMOND CALK HORSE SHOE COMPANY, Duluth, Minn., a corporation of Minnesota. Republished by registrant.

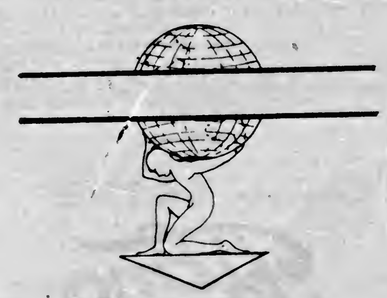


FOR HORSE SHOE CALK EXTRACTORS; INCLUDING BOTH SINGLE AND DOUBLE END ONES; CALK PUNCHES; PICKS; MATTOCKS; HOES; WRECKING BARS; COLD CHISELS; AND HAND WRENCHES, INCLUDING ADJUSTABLE SINGLE AND DOUBLE END ONES, AND PARTS THEREOF.
Claims use since 1914.

CLASS 25

LOCKS AND SAFES

Reg. No. 350,051. Registered Sept. 14, 1937. ATLAS KEY CO., Cleveland, Ohio. Republished by National Key Shops, Inc., doing business as W. L. Gray & Company, Cleveland, Ohio, a corporation of Ohio.



FOR KEY BLANKS.
Claims use since Mar. 20, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 129,124. Registered Jan. 27, 1920. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

The words "Bell & Howell Company Standard Cinemachinery" are disclaimed apart from the mark as shown.

FOR MOTION PICTURE CAMERAS AND MOTION PICTURE FILM PRINTERS.

Claims use since Oct. 10, 1914.

Reg. No. 130,637. Registered May 4, 1920. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

The drawing is lined for black. The words "Bell & Howell Company Standard Cinemachinery" are disclaimed apart from the mark as shown.

FOR MOTION PICTURE FILM PERFORATORS, MOTION PICTURE FILM PERFORATOR EXHAUSTERS, MOTION PICTURE FILM PERFORATOR BLOWERS, MOTION PICTURE FILM SPLICING MACHINES AND SPECIAL GRINDERS FOR SHARPENING PUNCHES AND DIES OF MOTION PICTURE FILM PERFORATORS.

Claims use since Oct. 10, 1914.

Reg. No. 193,964. Registered Jan. 13, 1925. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Filmo

FOR MOTION PICTURE CAMERAS.

Claims use since January 1922.

Reg. No. 255,084. Registered Apr. 16, 1929. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Eyemo

FOR MOTION PICTURE CAMERAS.

Claims use since November 1925.

Reg. No. 256,743. Registered May 21, 1929. BELL & HOWELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Filmo

FOR MOTION PICTURE PROJECTORS AND CAMERAS.

Claims use since January 1922.

Reg. No. 374,175. Registered Jan. 2, 1940. INTERNATIONAL INDUSTRIES, INC., Ann Arbor, Mich. Republished by Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan.

MINCA

FOR PHOTOGRAPHIC APPARATUS—NAMELY, CAMERAS.

Claims use since June 15, 1939.

Reg. No. 415,207. Registered July 31, 1945. WEISFIELD & GOLDBERG, INC., Seattle, Wash., a corporation of Delaware. Republished by registrant.

The term "Glasses" and the representation of the goods are disclaimed apart from the mark as shown.

FOR EYEGLASSES.

Claims use since February 1937.

Reg. No. 421,215. Registered May 21, 1946. PAUL HENRY, Los Angeles, Calif. Republished by registrant.

CAM-STAT

FOR THERMOSTATS.

Claims use since May 10, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 79,795. Registered Oct. 4, 1910. R. F. SIMMONS COMPANY, Attleboro, Mass. Republished by R. F. Simmons Company, Attleboro, Mass., a corporation of Massachusetts.

SIMMONS

FOR JEWELRY FOR PERSONAL ADORNMENT.

Claims use since June 1885.

Reg. No. 290,416. Registered Jan. 5, 1932. EDWIN F. M. SPEIDEL, doing business as Automatic Gold Chain Company, Providence, R. I. Republished by Speidel Corporation, Providence, R., I., a corporation of Rhode Island.

CORSAIR

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.

Claims use since July 29, 1931.

Reg. No. 319,951. Registered Dec. 11, 1934. CHEEVER, TWEEDY & CO., INC., North Attleboro, Mass., a corporation of Massachusetts. Republished by registrant.

C.T.

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.

Claims use since 1880.

Reg. No. 421,522. Registered June 4, 1946. CHEEVER, TWEEDY & CO., INC., North Attleboro, Mass., a corporation of Massachusetts. Republished by registrant.

CeeTee

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.

Claims use since Aug. 20, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 183,806. Registered May 6, 1924. THE GEM HAMMOCK & FLY NET COMPANY, Milwaukee, Wis. Republished by Gem Products, Inc., Milwaukee, Wis., a corporation of Wisconsin.

KLEEN-O

FOR BROOMS AND MOPS.

Claims use since Nov. 24, 1916.

618 O. G.—7

Reg. No. 402,422. Registered July 20, 1943. GEM PRODUCTS, INC., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SPRUSUP

FOR MOPS AND DUSTERS.

Claims use since Dec. 31, 1942.

Reg. No. 408,541. Registered Aug. 15, 1944. GEM PRODUCTS, INC., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SPRUSTEX

FOR FLOOR MOPS, INCLUDING DRY, OIL, AND WET MOPS.

Claims use since May 28, 1917.

Reg. No. 433,580. Registered Oct. 21, 1947. THE FULLER BRUSH COMPANY, Hartford, Conn., a corporation of Connecticut. Republished by registrant.

Fullermatic

FOR TOOTHBRUSHES.

Claims use since about Mar. 1, 1945.

Reg. No. 433,621. Registered Oct. 21, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

EXTRA JAPO

The word "Extra" is disclaimed apart from the mark as shown.

FOR FLAT VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.

Claims use since on or about Jan. 1, 1930.

Reg. No. 433,622. Registered Oct. 21, 1947. WHITING-ADAMS COMPANY, INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MASCOT

FOR OVAL VARNISH BRUSHES FOR VARNISHING OR SIMILAR LIQUID-APPLYING USE.
Claims use since on or about Jan. 1, 1930.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 16,487. Registered Apr. 9, 1889. THE WHITE MOUNTAIN FREEZER COMPANY, Nashua, N. H. Republished by The White Mountain Freezer Company, Inc., Nashua, N. H., a corporation of New Hampshire.

FOR ICE CREAM FREEZERS.
Claims use since 1878.

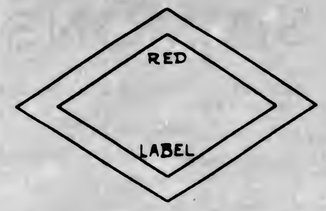
Reg. No. 395,576. Registered June 2, 1942. BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J., a corporation of New Jersey. Republished by registrant.

The words "Oil-Retaining Porous Bronze" are disclaimed apart from the mark as shown.
FOR MACHINERY BEARINGS, BUSHINGS FOR MECHANICAL WORKING JOINTS AND MACHINE PARTS INCLUDING PISTONS, VALVE STEM GUIDES, POROUS BRONZE PLUGS, TOGGLE PINS, FILTER ELEMENTS, SLIDES, GEARS, POROUS BRONZE RINGS, END PLATES, THRUST WASHERS, POROUS BRONZE RETAINERS, AND SIMILAR PARTS OF POROUS BRONZE FOR BEARING SURFACES.
Claims use since on or about Oct. 1, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 133,487. Registered July 27, 1920. THE PERFECTION MATTRESS & SPRING COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.



The right to exclusive use of a label colored red is disclaimed.
FOR MATTRESSES.
Claims use since October 1907.

Reg. No. 212,699. Registered May 11, 1926. PERFECTION MATTRESS AND SPRING COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

Superflex

FOR BED SPRINGS.
Claims use since July 10, 1925.

Reg. No. 285,397. Registered July 28, 1931. ACCO PRODUCTS, INC., Long Island City, N. Y., a corporation of New York. Republished by registrant, present address Ogdensburg, N. Y.

ACCOWAY

FOR FILING DEVICE CONSISTING OF A HORIZONTAL SUPPORTING ARM WITH FASTENING MEANS FOR HOLDING DRAWINGS AND THE LIKE SUSPENDED THEREFROM AND FILING CABINETS THEREFOR.
Claims use since December 1929.

Reg. No. 360,381. Registered Sept. 13, 1938. PERFECTION MATTRESS & SPRING COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

Evenrest

FOR MATTRESSES.
Claims use since Nov. 1, 1938.

Reg. No. 400,532. Registered Mar. 16, 1943. BARCALO MANUFACTURING COMPANY, Buffalo, N. Y., a corporation of New York. Republished by registrant.

BARCALO

FOR BED SPRINGS, MATTRESSES, COUCHES, COTS, PILLOWS, AND CUSHIONS, PORCH GLIDERS, METAL CHAIRS AND LOUNGES.
Claims use since 1898.

Reg. No. 413,706. Registered May 8, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CAVENCRAFT

FOR MATTRESSES, SOFA BEDS, METAL AND WOODEN BEDS, FOLDING COTS, KITCHEN WALL AND BASE CABINETS, DINING ROOM SUITES CONSISTING OF CHAIRS, TABLES, BUFFETS, AND CHINA CLOSETS; BEDROOM SUITES CONSISTING OF SINGLE, DOUBLE, AND TWIN BEDS, CHAIRS, NIGHT TABLES, DRESSING TABLES, VANITIES, DRESSERS, COMMODES, AND CHAISE LONGUES; AND KITCHEN FURNITURE CONSISTING OF CHAIRS, TABLES, AND PORTABLE PANTRY CLOSETS, DINETTE SETS, STUDIO COUCHES, COUCH HAMMOCKS, GLIDER COUCH HAMMOCKS, ARMCHAIRS, DAVENPORTS, WOODEN BENCH AND CHAIR SETS, UPHOLSTERED SOFAS, FILING CABINETS, AND VENETIAN BLINDS.
Claims use since June 1, 1935.

Reg. No. 424,896. Registered Oct. 29, 1946. LEONARDO FURNITURE CO. INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

The word "Elegance" is disclaimed apart from the mark as shown.
FOR LIVING ROOM, DINING ROOM, AND BEDROOM FURNITURE—NAMELY, SOFAS, LOVE SEATS; CHAIRS—NAMELY, CLUB CHAIRS, WING CHAIRS, FAN CHAIRS, BARREL CHAIRS, WINDSOR CHAIRS, OCCASIONAL CHAIRS; DINING ROOM CHAIRS—NAMELY, ARM CHAIRS, AND SIDE CHAIRS; BEDROOM CHAIRS, OTTOMANS AND BENCHES; TABLES—NAMELY, DINING ROOM TABLES, END TABLES, DRUM TABLES, COFEE TABLES, COCKTAIL TABLES, CONSOLE TABLES, NIGHT OR BEDSIDE TABLES, VANITY OR DRESSING TABLES, OCCASIONAL TABLES; BUFFETS, SERVERS, TEA WAGONS, BEDS, DRESSERS, CHESTS, BREAKFRONT CABINETS, CREDENZAS, CHINA CLOSETS, CELLARETS, BARS, HANGING SHELVES, MIRRORS, CURIO CABINETS, AND SHADOW BOX CABINETS.
Claims use since 1924.

CLASS 33

GLASSWARE

Reg. No. 413,524. Registered May 1, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

FIESTA

FOR TABLE GLASSWARE CONSISTING OF WATER GLASSES, WATER PITCHERS, WINE GLASSES, COCKTAIL GLASSES, WHISKEY GLASSES, GLASS DESSERT DISHES, AND GLASS FRUIT BOWLS, GLASS OVENWARE, CONSISTING OF GLASS CASSEROLE DISHES, PIE PLATES, ROAST TRAYS, CAKE TRAYS AND CUSTARD CUPS, GLASS VASES, GLASS BOXES, WATCH CRYSTALS, GLASS BOTTLES AND JARS.
Claims use since June 1, 1935.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 189,624. Registered Sept. 23, 1924. THE SILENT GLOW OIL BURNER CORPORATION, West Hartford, Conn., a corporation of Connecticut. Republished by registrant, present address Hartford, Conn.

FOR OIL BURNERS.
Claims use since about Apr. 25, 1924.

Reg. No. 360,326. Registered Sept. 13, 1938. BENJAMIN F. STEPHENS, doing business as Stephens Manufacturing Co., Tulsa, Okla. Republished by registrant.

The lining on the drawing is for shading only.
FOR GAS AND OIL BURNING HEATING FURNACES.
Claims use since Mar. 4, 1938.

Reg. No. 361,546. Registered Jan. 3, 1939. THE W. B. MARVIN MANUFACTURING CO., Urbana, Ohio, a corporation of Ohio. Republished by registrant.

PREMIER

FOR LOUVER WINDOW VENTILATORS.
Claims use since August 1936.

Reg. No. 406,411. Registered Apr. 4, 1944. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

APPARATUS OXYGEN NATIONAL ACETYLENE

The words "Oxygen," "Acetylene," and "Apparatus" are disclaimed apart from the mark as shown.
FOR MACHINES FOR CONTROLLING THE OPERATION OF GAS TORCHES IN THE CUTTING OF METALS.
Claims use since May 1942.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 46,468. Registered Sept. 19, 1905. NEW YORK LEATHER BELTING CO., New York, N. Y. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

PHOENIX

FOR LEATHER BELTING.
Claims use since 1894.

Reg. No. 49,546. Registered Feb. 6, 1906. THE GRATON AND KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

ROYAL G K 1851 WORCESTER

FOR LEATHER BELTING.
Claims use since Oct. 1, 1902.

Reg. No. 76,285. Registered Jan. 4, 1910. GRATON & KNIGHT MFG. CO., Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

SPARTAN

FOR LEATHER BELTING.
Claims use since July 1908.

Reg. No. 76,286. Registered Jan. 4, 1910. GRATON & KNIGHT MFG. CO., Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

G K

FOR LEATHER BELTING.
Claims use since July 1908.

Reg. No. 80,700. Registered Jan. 24, 1911. THE BRADFORD BELTING CO., Cincinnati, Ohio. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

MONARCH

FOR LEATHER BELTING.
Claims use since April 1890.

Reg. No. 112,961. Registered Oct. 3, 1916. VOORHEES RUBBER MFG. CO., Jersey City, N. J. Republished by Voorhees Rubber Mfg. Co., Inc., New York, N. Y., a corporation of Delaware.

Rub-Steel

FOR RUBBER VALVES.
Claims use since Dec. 30, 1913.

Reg. No. 121,215. Registered Apr. 16, 1918. SHULTS BELTING COMPANY, St. Louis, Mo. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

TROUT

FOR BELTING AND BELT-LACINGS COMPOSED WHOLLY OR PARTIALLY OF LEATHER, FABRIC, OR RUBBER.
Claims use since about Jan. 1, 1911.

Reg. No. 121,216. Registered Apr. 16, 1918. SHULTS BELTING COMPANY, St. Louis, Mo. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

SHULTZ

FOR BELTING AND BELT-LACINGS COMPOSED WHOLLY OR PARTIALLY OF LEATHER, FABRIC, OR RUBBER.
Claims use since about July 1877.

Reg. No. 123,226. Registered Oct. 22, 1918. THE GRATON AND KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

ACORN

FOR ROUND LEATHER BELTING.
Claims use since Mar. 15, 1918.

Reg. No. 127,615. Registered Nov. 18, 1919. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

GRA KNIGHT

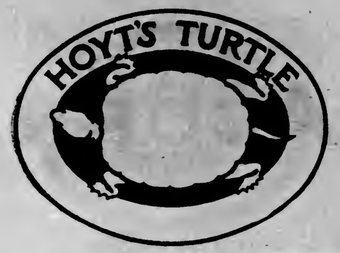
FOR LEATHER BELTING.
Claims use since 1900.

Reg. No. 128,092. Registered Dec. 23, 1919. EDWARD R. LADEW COMPANY, INC., Glen Cove, N. Y. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

HOYT'S FLINTSTONE

FOR LEATHER BELTING.
Claims use since 1890.

Reg. No. 128,092. Registered Dec. 23, 1919. EDWARD R. LADEW COMPANY, INC., Glen Cove, N. Y. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.



FOR LEATHER BELTING.
Claims use since 1908.

Reg. No. 133,687. Registered Aug. 3, 1920. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

The word "Pryzoak" is disclaimed apart from the mark as shown.
FOR LEATHER BELTING.
Claims use since 1900.

Reg. No. 138,011. Registered Dec. 14, 1920. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR LEATHER BELTING.
Claims use since 1907.

Reg. No. 147,612. Registered Oct. 25, 1921. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR LACE-LEATHER AND CUT LACES OF LEATHER.
Claims use since 1900.

Reg. No. 159,887. Registered Oct. 10, 1922. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR LEATHER BELTING.
Claims use since 1902.

Reg. No. 190,878. Registered Oct. 28, 1924. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

BAR-BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CUT LACE LEATHER AND LACE LEATHER IN SIDES.
Claims use since on or about Jan. 1, 1924.

Reg. No. 191,241. Registered Nov. 4, 1924. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

The representation of a packing is disclaimed apart from the mark as shown.
FOR LEATHER PACKINGS.
Claims use since Dec. 15, 1923.

Reg. No. 193,747. Registered Jan. 6, 1925. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

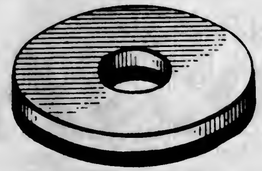
SPARTAN

FOR PACKINGS, SUCH AS CUP PACKINGS, FLANGE PACKINGS, U PACKINGS, WASHERS, AND GASKETS.
Claims use since Feb. 19, 1914.

Reg. No. 202,919. Registered Sept. 8, 1925. THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

FOR BELTS AND BELTING, SUCH AS ROUND BELTING, TWIST BELTING, FOLDED-TWIST BELTING, BUILT-UP ROUND BELTING, V BELTING, LAMINATED V BELTING, BLOCK V BELTING, LINK V BELTING, AUTOMOBILE FAN BELTING AND SHAFTING RINGS, DIAPHRAGMS, DISKS, GASKETS, WASHERS, AND PACKING, ALL OF LEATHER.
Claims use since about 1915.

Reg. No. 234,894. Registered Nov. 8, 1927. NATIONAL VULCANIBED FIBRE CO., Wilmington, Del., a corporation of Delaware. Republished by registrant.



The representation of the article is disclaimed apart from the mark as shown.
FOR BIB AND FAUCET WASHERS.
Claims use since Mar. 26, 1927.

Reg. No. 248,690. Registered June 26, 1928. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

Graton & Knight

FOR BELTS AND BELTING, SUCH AS ROUND BELTING, TWIST BELTING, FOLDED TWIST BELTING, BUILT-UP ROUND BELTING, V BELTING, LAMINATED V BELTING, BLOCK V BELTING,, LINK V BELTING, AUTOMOBILE FAN BELTING, AND SHAFTING RINGS, DIAPHRAGMS, DISCS, GASKETS, WASHERS, AND PACKING, ALL OF LEATHER.
Claims use since 1851.

Reg. No. 245,791. Registered Aug. 21, 1928. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

FOR BELTS AND BELTING, SUCH AS ROUND BELTING, TWIST BELTING, FOLDED TWIST BELTING, BUILT-UP ROUND BELTING, V BELTING, LAMINATED V BELTING, BLOCK V BELTING,, LINK V BELTING, AUTOMOBILE FAN BELTING, AND SHAFTING RINGS, DIAPHRAGMS, DISCS, GASKETS, WASHERS, AND PACKING, ALL OF LEATHER.
Claims use since Jan. 13, 1928.

Reg. No. 246,268. Registered Sept. 4, 1928. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

The drawing is lined for the color yellow gold.
FOR MACHINERY BELTING AND LEATHER WASHERS.
Claims use since Mar. 16, 1928.

Reg. No. 276,980. Registered Nov. 4, 1930. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

FOR MACHINERY BELTING, DIAPHRAGMS, DISCS, GASKETS, WASHERS, AND PACKING OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF; RUBBER AND/OR RUBBER AND FABRIC HOSE AND TUBING.
Claims use since 1851.

Reg. No. 280,618. Registered Feb. 24, 1931. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

FOR MACHINERY BELTING, DIAPHRAGMS, DISCS, GASKETS, WASHERS, AND PACKING OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF; RUBBER AND/OR RUBBER AND FABRIC HOSE AND TUBING.
Claims use since Jan. 13, 1928.

Reg. No. 295,524. Registered Nov. 1, 1932. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

RESEARCH

FOR LEATHER BELTING.
Claims use since Oct. 9, 1931.

Reg. No. 344,434. Registered Mar. 23, 1937. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

1851 G&K

FOR LEATHER BELTING.
Claims use since Mar. 1, 1907.

Reg. No. 374,605. Registered Jan. 16, 1940. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

HEART BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR LEATHER BELTING.
Claims use since 1900.

Reg. No. 405,798. Registered Feb. 22, 1944. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

IVI-FLEX

FOR FLEXIBLE EXTRUDED PLASTIC TUBING USED FOR CONDUITS AND FOR HOSE.
Claims use since July 30, 1943.

Reg. No. 420,720. Registered Apr. 30, 1946. IRVINGTON VARNISH & INSULATOR CO., Irvington, N. J., a corporation of New Jersey. Republished by registrant.

AQUAFLEX

FOR EXTRUDED THERMOPLASTIC FLEXIBLE TUBING IN THE NATURE OF HOSE.
Claims use since June 20, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 191,816. Registered Nov. 4, 1924. ERNST HEINRICH ROTH CO., INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

Ernst Heinrich Roth

FOR VIOLINS, VIOLAS, VIOLONCELLOS, BASS VIOLAS, PARTS THEREOF AND BOWS AND STRINGS THEREFOR.
Claims use since Nov. 16, 1922.

Reg. No. 314,974. Registered July 17, 1934. ERNST HEINRICH ROTH CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

ER

FOR VIOLINS, VIOLAS, VIOLONCELLOS AND BASS VIOLAS, PARTS THEREOF AND BOWS AND STRINGS THEREFOR.
Claims use since June 1912.

CLASS 37

PAPER AND STATIONERY

Reg. No. 45,602. Registered Aug. 22, 1905. NATIONAL BLANK BOOK CO., Holyoke, Mass. Republished by National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts.

KENMOOR

FOR BLANK BOOKS AND WRITING PAPER.
Claims use since about Nov. 1, 1903.

Reg. No. 66,249. Registered Nov. 19, 1907. EBERHARD FABER, New York, N. Y. Republished by Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York.

EMERALD

FOR RUBBER ERASERS.
Claims use since 1898.

Reg. No. 79,587. Registered Sept. 20, 1910. KIGGINS & TOOKER CO., New York, N. Y. Republished by National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts.

K&T

FOR BLANK BOOKS.
Claims use since December 1901.

Reg. No. 79,763. Registered Oct. 4, 1910. KIGGINS & TOOKER CO., New York, N. Y. Republished by National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts.

EXCELSIOR

FOR DIARIES.
Claims use since July 1871.

Reg. No. 118,213. Registered Aug. 21, 1917. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Republished by registrant.

PRESTIGE

FOR LEDGER-PAPER.
Claims use since Dec. 8, 1916.

Reg. No. 129,630. Registered Mar. 9, 1920. BROOKS BANK NOTE COMPANY, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

BROOKMONT

FOR BOND PAPER FOR WRITING AND TYPEWRITER WORK AND MAILING ENVELOPES.
Claims use since Jan. 18, 1911.

Reg. No. 155,996. Registered June 13, 1922. FRED J. KLINE, Long Island City, N. Y. Republished by Acco Products, Inc., Ogdensburg, N. Y., a corporation of New York.

Acco

FOR PAPER FASTENERS, FOLDERS FOR BINDING AND HOLDING PAPERS TOGETHER, DESK FILES, CLIP FILES, COVERS FOR BINDING AND HOLDING PAPERS TOGETHER, AND STENOGRAPHIC BOOK HOLDERS.
Claims use since 1909.

Reg. No. 155,997. Registered June 13, 1922. FRED J. KLINE, Long Island City, N. Y. Republished by Acco Products, Inc., Ogdensburg, N. Y., a corporation of New York.

ACCO

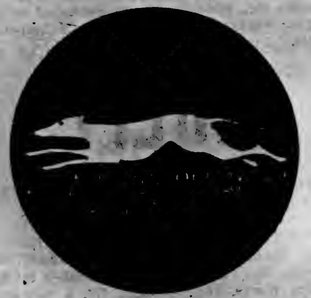
FOR PAPER FASTENERS, PAPER CLIPS, FOLDERS FOR BINDING AND HOLDING PAPERS TOGETHER, DESK FILES, CLIP FILES, COVERS, AND STENOGRAPHIC-BOOK HOLDERS.
Claims use since Sept. 7, 1912.

Reg. No. 182,315. Registered Apr. 8, 1924. NATIONAL BLANK BOOK CO., Holyoke, Mass. Republished by National Blank Book Company, Holyoke, Mass., a corporation of Massachusetts.

No. 7048—Form A

The words "Form A" are disclaimed apart from the mark as shown.
FOR LOOSE LEAF SHEETS FOR LOOSE LEAF BINDERS.
Claims use since 1913.

Reg. No. 240,657. Registered Apr. 3, 1928. HERBERT J. GRAY, New York, N. Y. Republished by registrant.



FOR WRAPPING PAPER, TISSUE PAPER, PAPER TOWELS, TOILET PAPER, WATERPROOF PAPER, PARCHMENT AND GLASSINE PAPER, WAXED PAPER, CORRESPONDENCE ENVELOPES, BLOTTING PAPER, PAPER SEALING TAPE, AND CORRUGATED PAPER.
Claims use since Oct. 15, 1920.

Reg. No. 243,215. Registered June 12, 1928. FEDERAL CONTAINER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TUF-FIR

FOR FIBRE BOARD IN THE PIECE.
Claims use since on or about Jan. 5, 1928.

Reg. No. 404,490. Registered Nov. 30, 1943. PRUDENTIAL PAPER PRODUCTS COMPANY, New York, N. Y. Republished by Prudential Paper Products Co. Inc., New York, N. Y., a corporation of New York.

Sky-Bound

FOR STATIONERY—NAMELY, WRITING PAPERS AND ENVELOPES.
Claims use since Oct. 1, 1942.

Reg. No. 416,486. Registered Sept. 18, 1945. PRUDENTIAL PAPER PRODUCTS COMPANY, New York, N. Y. Republished by Prudential Paper Products Co. Inc., New York, N. Y., a corporation of New York.

Prudential

FOR WRITING PAPER, TABLETS, ENVELOPES, MIMEOGRAPH PAPER, WHITE AND YELLOW TYPEWRITER PAPER, INDEX CARDS, FILE FOLDERS, AND BLOTTING PAPER.
Claims use since July 1936.

Reg. No. 433,998. Registered Nov. 4, 1947. GALTER PRODUCTS Co., Chicago, Ill. Republished by Diversey Machine Works, Inc., Chicago, Ill., a corporation of Illinois.

ROLIT

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Mar. 10, 1945.

Reg. No. 433,999. Registered Nov. 4, 1947. GALTER PRODUCTS Co., Chicago, Ill. Republished by Diversey Machine Works, Inc., Chicago, Ill., a corporation of Illinois.

ROLETTE

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Mar. 10, 1945.

CLASS 38
PRINTS AND PUBLICATIONS

Reg. No. 194,004. Registered Jan. 13, 1925. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FOR LABELS AND TAGS FOR ARTICLES OF MANUFACTURE MADE FROM "FRUIT OF THE LOOM" TEXTILES.
Claims use since July 1921.

Reg. No. 227,873. Registered May 17, 1927. AMERICAN PHOTO-ENGRAVERS ASSOCIATION, Chicago, Ill., an association of Illinois. Republished by registrant.

The PHOTO-ENGRAVERS BULLETIN

FOR MONTHLY PUBLICATION.
Claims use since 1911.

Reg. No. 273,405. Registered Aug. 5, 1930. THE SCHOLASTIC PUBLISHING COMPANY, Pittsburgh, Pa. Republished by Scholastic Corporation, New York, N. Y., a corporation of Pennsylvania.

The SCHOLASTIC

FOR MAGAZINE.
Claims use since September 1922.

Reg. No. 350,500. Registered Sept. 28, 1937. CUMMINS ENGINE COMPANY, Columbus, Ind. Republished by Cummins Engine Company, Inc., Columbus, Ind., a corporation of Indiana.

The DEPENDABLE Diesel

FOR TRADE PERIODICAL.
Claims use since Apr. 10, 1935.

Reg. No. 374,424. Registered Jan. 9, 1940. CARTER H. HARRISON & COMPANY, Chicago, Ill., a firm. Republished by registrant.

The Chicago Letter

The word "Chicago" is disclaimed apart from the mark as shown.
FOR MONTHLY PUBLICATION RELATING TO FINANCIAL AND BUSINESS CONDITIONS.
Claims use since on or about Oct. 8, 1938.

Reg. No. 378,389. Registered June 11, 1940. THE A. N. MARQUIS COMPANY, Chicago, Ill., a copartnership. Republished by registrant.

WHO'S WHO IN AMERICA

The word "America" is disclaimed apart from the mark as shown.
FOR PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY TWO YEARS.
Claims use since June 20, 1899.

Reg. No. 378,391. Registered June 11, 1940. THE A. N. MARQUIS COMPANY, Chicago, Ill., a copartnership. Republished by registrant.

WHO'S WHO IN CHICAGO AND VICINITY

The words "In Chicago and Vicinity" are disclaimed apart from the mark as shown.
FOR PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY FIVE YEARS.
Claims use since Jan. 1, 1926.

Reg. No. 378,392. Registered June 11, 1940. THE A. N. MARQUIS COMPANY, Chicago, Ill., a copartnership. Republished by registrant.

WHO'S WHO IN NEW ENGLAND

The words "In New England" are disclaimed apart from the mark as shown.
FOR PUBLICATIONS IN THE NATURE OF A DIRECTORY PUBLISHED APPROXIMATELY ONCE EVERY FIVE YEARS.
Claims use since Dec. 30, 1909.

Reg. No. 407,444. Registered June 6, 1944. THE TOLEDO BLADE COMPANY, Toledo, Ohio, a corporation of Ohio. Republished by registrant.

TOLEDO BLADE

FOR NEWSPAPER PUBLISHED PERIODICALLY.
Claims use since the Fall of 1836.

Reg. No. 427,898. Registered Feb. 25, 1947. E. A. HILLS, doing business as Associations Publishing Company, San Francisco, Calif. Republished by E. A. Hills, San Francisco, Calif.

The drawing is lined for green.
FOR MONTHLY MAGAZINE DEVOTED TO THE TRUCKING INDUSTRY.
Claims use since Mar. 1, 1941.

Reg. No. 431,822. Registered Aug. 12, 1947. PRACTICAL METHODS FOR INDUSTRY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Yourself

FOR BI-MONTHLY PUBLICATION PRINCIPALLY DEVOTED TO LABOR MATTERS.
Claims use since Nov. 3, 1945.

CLASS 39
CLOTHING

Reg. No. 53,829. Registered June 12, 1906. CHARLES EISENMAN & Co., Cleveland, Ohio. Republished by The Kaynee Company, Cleveland, Ohio, a corporation of Ohio.

FOR MEN'S SHIRTS AND BOYS' SHIRTS, WAISTS, AND BLOUSES.
Claims use since June 1888.

Reg. No. 72,574. Registered Feb. 2, 1909. E. ROSENFELD & Co., Baltimore, Md. Republished by Wilson Brothers, Chicago, Ill., a corporation of Illinois.

Faultless

FOR NIGHTROBES, PAJAMAS, OVERSHIRTS, UNDERSHIRTS, AND DRAWERS.
Claims use since 1886.

Reg. No. 90,312. Registered Feb. 18, 1913. CHARLES EISENMAN COMPANY, Cleveland, Ohio. Republished by The Kaynee Company, Cleveland, Ohio, a corporation of Ohio.

KAYNEE

FOR DRESS-SHIRTS, NEGLIGEE SHIRTS, WORK-SHIRTS, WAISTS, ROMPERS, BLOUSES, PAJAMAS, AND CHILDREN'S FROCKS.
Claims use since July 15, 1912.

Reg. No. 95,208. Registered Feb. 3, 1914. CHARLES EISENMAN COMPANY, Cleveland, Ohio. Republished by The Kaynee Company, Cleveland, Ohio, a corporation of Ohio.

Pajamette

FOR SLEEPING GARMENTS.
Claims use since Nov. 4, 1912.

Reg. No. 98,998. Registered Aug. 11, 1914. K. & E. BLOUSE MAKERS, Cleveland, Ohio. Republished by The Kaynee Company, Cleveland, Ohio, a corporation of Ohio.

Pixie

FOR BLOUSES, ROMPERS, SHIRT-WAISTS, AND CHILDREN'S FROCKS.
Claims use since Mar. 30, 1914.

Reg. No. 120,971. Registered Mar. 19, 1918. THE GRATON AND KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Republished by Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts.

VEL-VI-TAN

The word "Tan" is disclaimed apart from the mark as shown.
FOR LEATHER SOLES.
Claims use since June 18, 1914.

Reg. No. 168,351. Registered May 22, 1923. THE KAYNEE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KAYNEE
FRAT SHIRTS

The word "Shirts" is disclaimed apart from the mark as shown.
FOR YOUTHS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since about Aug. 1, 1919.

Reg. No. 168,788. Registered May 29, 1923. THE KAYNEE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KAYNEE
UNDERTOGS

The word "Undertogs" is disclaimed apart from the mark as shown.
FOR CHILDREN'S UNDERGARMENTS.
Claims use since about Jan. 1, 1915.

Reg. No. 180,894. Registered Mar. 11, 1924. L. GRIMM & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Coolspun

FOR OUTER CLOTHING EMBRACING SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS.
Claims use since July 31, 1923.

Reg. No. 191,049. Registered Oct. 28, 1924. THE KIDDIE TOGS COMPANY, Cleveland, Ohio. Republished by The Kaynee Company, Cleveland, Ohio, a corporation of Ohio.

KATZENJAMMER KIDDIE TOGS THE QUALITY LINE

The words "The Quality Line" and "Kiddie Togs" are disclaimed apart from the mark as shown.
FOR ONE-PIECE GARMENTS FOR CHILDREN—NAMELY, CHILDREN'S ROMPERS, CREEPERS, UNION SUITS OF TEXTILE FABRIC, AND SLEEPING GARMENTS.
Claims use since about Oct. 24, 1921.

Reg. No. 235,967. Registered Nov. 29, 1927. BRADLEY KNITTING COMPANY, Delavan, Wis. Republished by The George W. Borg Corporation, Delavan, Wis., a corporation of Delaware.

"ALL-AMERICAN"

FOR SWEATERS.
Claims use since Feb. 4, 1927.

Reg. No. 238,656. Registered Feb. 14, 1928. HOOVER HOSIERY COMPANY, Concord, N. C., a corporation of North Carolina. Republished by registrant.

The background of the drawing is lined for blue.
FOR HOSIERY.
Claims use since Sept. 12, 1927.

Reg. No. 242,556. Registered May 29, 1928. WELLS-LAMONT MANUFACTURING CO., Minneapolis, Minn. Republished by Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota.

CORN TOP

FOR KNITTED AND WOVEN FABRIC GLOVES WITH OR WITHOUT LEATHER FACING.
Claims use since Nov. 2, 1927.

Reg. No. 246,323. Registered Sept. 4, 1928. GRIFFIN BUGGY CO., Griffin, Ga. Republished by Griffin Knitting Mills, Griffin, Ga., a corporation of Georgia.

DIX KNIT

The word "Knit" is disclaimed apart from the mark as shown.
FOR KNITTED UNDERWEAR.
Claims use since on or about Jan. 1, 1926.

Reg. No. 257,077. Registered May 28, 1929. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.

SPARTAN

FOR LEATHER SHOE SOLES.
Claims use since Sept. 17, 1928.

Reg. No. 267,493. Registered Feb. 18, 1930. KNIGHT SLIPPER MANUFACTURING CORP., Brooklyn, N. Y. Republished by Knight Slipper Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York.

KNIGHT SLIPPER

The word "Slipper" is disclaimed apart from the mark as shown.
FOR MEN'S, WOMEN'S, AND CHILDREN'S SLIPPERS MADE WHOLLY OF TEXTILE FABRICS, MADE WHOLLY OF LEATHER, AND OTHERS MADE OF A COMBINATION OF TEXTILE FABRIC AND LEATHER.
Claims use since Feb. 16, 1926.

Reg. No. 271,260. Registered May 27, 1930. FIELD & FLINT CO., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

FOOT-JOY

FOR BOOTS AND SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since May 1920.

Reg. No. 282,384. Registered Apr. 21, 1931. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Faun-Tex

FOR SILK GLOVES.
Claims use since Nov. 10, 1930.

Reg. No. 295,493. Registered July 5, 1932. STETSON SHIRT CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Suburban Club "PRE-SHRUNK"

The term "Pre-Shrunk" is disclaimed apart from the mark as shown.
FOR DRESS SHIRTS.
Claims use since September 1930.

Reg. No. 302,205. Registered Apr. 4, 1933. THE KAYNEE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

The Stylocrat

FOR BOYS' SHIRTS.
Claims use since Oct. 18, 1932.

Reg. No. 306,792. Registered Sept. 26, 1933. THE ENRO SHIRT COMPANY, Louisville, Ky., a corpration of Kentucky. Republished by registrant.

TWILLBREEZE

FOR NEGLIGEE AND DRESS SHIRTS.
Claims use since April 1933.

Reg. No. 318,066. Registered Oct. 16, 1934. MISSION HOSIERY MILLS, Los Angeles, Calif., a corporation of California. Republished by registrant.

HOLLYVOGUE

FOR LADIES' SHOES COMPOSED OF LEATHER OR FABRIC OR COMBINATIONS OF THESE MATERIALS.
Claims use since Apr. 12, 1934.

Reg. No. 324,120. Registered May 14, 1935. NEW YORK KNITTING MILLS, New York, N. Y., a corporation of New York. Republished by registrant.

Valpaca

FOR MEN'S, WOMEN'S, BOYS', GIRLS', AND CHILDREN'S KNITTED OUTER WEAR—NAMELY, SWEATERS, JACKETS, CAPS, AND DRESSES.
Claims use since about July 1930.

Reg. No. 327,474. Registered Aug. 27, 1935. NEW YORK KNITTING MILLS, New York, N. Y., a corporation of New York. Republished by registrant.

PINCHER

FOR KNITTED SWEATERS AND COAT SWEATERS.
Claims use since about April 1934.

Reg. No. 334,427. Registered May 5, 1936. HOSTESS FROCKS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

EXPECTANCY
FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
FOR WOMEN'S DRESSES.
Claims use since Dec. 13, 1935.

Reg. No. 339,218. Registered Sept. 29, 1936. THE KAYNEE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Oliver Twist

FOR CHILDREN'S WAISTS, CHILDREN'S BLOUSES, CHILDREN'S SHIRTS, CHILDREN'S WASH SUITS, JUVENILE WOOL SUITS, CHILDREN'S TROUSERS, AND CHILDREN'S UNDERWEAR.
Claims use since October 1912.

Reg. No. 342,485. Registered Jan. 19, 1937. L. ISAACSON & SONS, INC., New York, N. Y. Republished by L. Isaacson & Sons, New York, N. Y., a firm.

DONMOOR

FOR BOYS' SUITS.
Claims use since May 1, 1936.

Reg. No. 342,676. Registered Jan. 26, 1937. KNIGHT SLIPPER MFG. CORP., New York, N. Y. Republished by Knight Slipper Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York.

Stars by Knight

FOR LADIES' SLIPPERS OF LEATHER, FABRIC, AND FOR COMBINATIONS OF SAID MATERIALS.
Claims use since February 1933.

Reg. No. 343,278. Registered Feb. 16, 1937. DAVE BELLSEY COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BELLCIANO

FOR LADIES' COATS, SUITS, AND BLOUSES.
Claims use since May 1, 1935.

Reg. No. 356,451. Registered Apr. 26, 1938. I. & R. MORLEY LIMITED, London, England, a corporation of Great Britain and Northern Ireland. Republished by registrant.

MORLEY

FOR HOSIERY, AND MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR.
Claims use since 1878.

Reg. No. 357,462. Registered June 7, 1938. DAVID E. SCHWAB & CO., New York, N. Y. Republished by David E. Schwab & Company, Inc., New York, N. Y., a corporation of New York.

The word "Kerchief" is disclaimed apart from the mark as shown.
FOR HANDKERCHIEFS.
Claims use since September 1937.

Reg. No. 358,247. Registered July 5, 1938. L. ISAACSON & SONS, INC., New York, N. Y. Republished by L. Isaacson & Sons, New York, N. Y., a firm.

Dinghy

FOR BOYS' AND GIRLS' JUVENILE CLOTHING CONSISTING OF CHILDREN'S WASH SUITS, SHIRTS, BLOUSES, AND TROUSERS, FOR PLAY AND DRESS WEAR, MADE OF FABRICS AND MATERIALS THAT MAY BE WASHED AND LAUNDERED.
Claims use since Nov. 1, 1937.

Reg. No. 365,412. Registered Mar. 7, 1939. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Amersuede

FOR FABRIC GLOVES.
Claims use since Sept. 1, 1938.

Reg. No. 367,059. Registered May 9, 1939. I. & R. MORLEY LIMITED, London, England, a corporation of Great Britain. Republished by registrant.

MORLEY

FOR LEATHER GLOVES, MEN'S AND BOY'S OUTER SHIRTS AND UNDER SHIRTS, PYJAMAS, BED JACKETS, BATH ROBES, SWIMMING AND BATHING APPAREL—NAMELY, SUITS AND TRUNKS FOR MEN, AND SUITS, TRUNKS, BRASSIÈRES AND HALTERS FOR WOMEN AND CHILDREN.
Claims use since 1898.

Reg. No. 368,321. Registered June 13, 1939. ROGER KENT, INC., New York, N. Y., New Haven, Conn., and Cambridge, Mass., a corporation of Maryland. Republished by registrant, present address New York, N. Y.

"SEERKENT"

FOR MEN'S CLOTHING—NAMELY, TWO AND THREE-PIECE SUITS, COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since Jan. 6, 1939.

Reg. No. 372,632. Registered Nov. 7, 1939. L. ISAACSON & SONS, INC., New York, N. Y. Republished by L. Isaacson & Sons, New York, N. Y., a firm.

CORDMOOR
by PEERLESS

The word "Peerless" is disclaimed apart from the mark as shown.
FOR CHILDREN'S SUITS, OVERALLS AND SHORTS FOR OUTER WEAR, AND MEN'S AND CHILDREN'S JACKETS, TROUSERS, VESTS AND SLACKS, WHICH GARMENTS ARE MADE PRINCIPALLY OF CORDUROY.
Claims use since June 1, 1939.

Reg. No. 373,337. Registered Dec. 5, 1939. L. ISAACSON & SONS, INC., New York, N. Y. Republished by L. Isaacson & Sons, New York, N. Y., a firm.

The words "Fleece" and "Classic" are disclaimed apart from the mark as shown.
FOR SWEATERS FOR MEN, WOMEN, AND CHILDREN, AND KNITTED SUITS FOR WOMEN AND CHILDREN.
Claims use since June 1, 1939.

Reg. No. 376,592. Registered Apr. 2, 1940. I. & R. MORLEY LIMITED, London, England, a corporation of Great Britain. Republished by registrant.

FOR HOSIERY, MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR, LEATHER GLOVES, MEN'S AND BOYS' OUTER-SHIRTS AND UNDER-SHIRTS; PYJAMAS, BED-JACKETS; BATH-ROBES; SWIMMING AND BATHING APPAREL—NAMELY, SUITS AND TRUNKS FOR MEN, AND SUITS, TRUNKS, BRASSIÈRES AND HALTERS FOR WOMEN AND CHILDREN.
Claims use since April 1931.

Reg. No. 376,915. Registered Apr. 9, 1940. ROGER KENT, INC., New York, N. Y., a corporation of Maryland. Republished by registrant.

"KENTROPIC"

FOR MEN'S CLOTHING—NAMELY, TWO AND THREE-PIECE SUITS, COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since Nov. 2, 1939.

Reg. No. 381,817. Registered Oct. 8, 1940. PYRAMID MANUFACTURING CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

KUM-BAK-KNIT

The word "Knit" is disclaimed apart from the mark as shown.
FOR KNITTED TRIMMINGS FOR SNOW SUITS, KNICKERS, AND LEATHER SPORTSWEAR, AND SIMILAR ARTICLES.
Claims use since Apr. 15, 1940.

Reg. No. 387,043. Registered Apr. 29, 1941. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Sportway TAILORED FASHIONS

The words "Tailored Fashions" are disclaimed apart from the mark as shown.

FOR SPORT DRESSES FOR MISSES AND WOMEN.

Claims use since Feb. 27, 1939.

Reg. No. 390,413. Registered Sept. 23, 1941. DODSON-FISHER COMPANY, Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

Strike-Mistress

FOR BOWLING SHOES.

Claims use since December 1940.

Reg. No. 390,862. Registered Oct. 7, 1941. FIELD AND FLINT CO., Brockton, Mass., a corporation of Massachusetts. Republished by registrant.

MAJOR-flex

FOR SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC.

Claims use since May 8, 1941.

Reg. No. 391,443. Registered Nov. 11, 1941. DUO-TEX CORPORATION, Auburn, Maine, a corporation of Maine. Republished by registrant.

DuoTex

FOR SHOE COUNTERS.

Claims use since about Jan. 18, 1937.

Reg. No. 400,631. Registered Mar. 23, 1943. M. GOODMAN & SON, New York, N. Y. Republished by M. Goodman & Son Inc., New York, N. Y., a corporation of New York.

Goody Hose

The word "Hose" is disclaimed apart from the mark as shown.

FOR LADIES', MEN'S, AND CHILDREN'S HOSIERY.

Claims use since January 1923.

Reg. No. 402,241. Registered July 13, 1943. MORRIS B. SACHS, Chicago, Ill. Republished by Morris B. Sachs, Inc., Chicago, Ill., a corporation of Illinois.

Norcraft

FOR MEN'S AND BOYS' SUITS AND OVERCOATS, AND LADIES' COATS, SUITS, DRESSES, FUR COATS, FUR SCARVES, FUR JACKETS, FUR MUFFS, AND FUR GLOVES.

Claims use since Jan. 12, 1941.

Reg. No. 411,437. Registered Jan. 16, 1945. CHAS. CHIPMAN'S SONS CO., INC., New York, N. Y. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

PETITE BELLE

FOR HOSIERY AND BOOTEES FOR INFANTS, CHILDREN, AND MISSES.

Claims use since November 1929.

Reg. No. 415,904. Registered Aug. 21, 1945. CAVENDISH TRADING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CAVENCRAFT

FOR MEN'S AND BOYS' SUITS, TOP COATS, OVERCOATS, JACKETS, TROUSERS, SPORT JACKETS, OUTER SHIRTS, HATS, CAPS, SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, GLOVES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF, BATHING TRUNKS, UNDERSHIRTS, UNDERSHORTS, NECKTIES, SOCKS, UNIONSUITS, LOUNGING ROBES, BATH ROBES, AND PAJAMAS; AND LADIES' AND MISSES' COATS, SUITS, DRESSES, AND HATS.

Claims use since June 1, 1935.

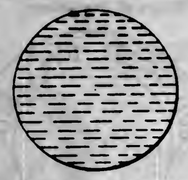
Reg. No. 417,222. Registered Oct. 16, 1945. NEW YORK KNITTING MILLS, New York, N. Y., a corporation of New York. Republished by registrant.

Nymit

FOR KNITTED SWEATERS, KNITTED SKIRTS, LADIES' KNITTED DRESSES AND SUITS.

Claims use since Aug. 21, 1923.

Reg. No. 418,679. Registered Jan. 8, 1946. GRATON & KNIGHT COMPANY, Worcester, Mass., a corporation of Massachusetts. Republished by registrant.



The drawing is lined for the color silver.

FOR LEATHER SOLES FOR BOOTS AND SHOES.

Claims use since Sept. 3, 1941.

Reg. No. 419,726. Registered Mar. 5, 1946. SPIEGEL, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

Elastibles

THE SHOE WITH THE 2 WAY STRETCH

The phrase "The Shoe With The 2 Way Stretch" is disclaimed apart from the mark as shown.

FOR SHOES MADE OF RUBBER, LEATHER, AND FABRIC, OR COMBINATIONS THEREOF.

Claims use since Jan. 5, 1945.

Reg. No. 429,331. Registered Apr. 29, 1947. CENTURY GLOVE COMPANY, Newark, N. J., a firm. Republished by registrant.

CENTURY
FRE-FLEX

The word "Fre" is disclaimed apart from the mark as shown.

FOR GLOVES MADE OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF.

Claims use since Oct. 15, 1945.

Reg. No. 434,818. Registered Nov. 18, 1947. C. H. MASLAND & SONS, Carlisle, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR SPORTSWEAR—NAMELY, HUNTING AND FISHING COATS, VESTS, AND JACKETS, EQUIPPED WITH DETACHABLE GAME POCKETS AND FISH CREELS TAILORED AS PART OF THE GARMENT ASSEMBLY AND SOLD THEREWITH EXCEPT WHEN SOLD AS REPLACEMENTS, AND CAPES.

Claims use since Mar. 20, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 199,534. Registered June 9, 1925. CEREAL SOAPS COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Derbac

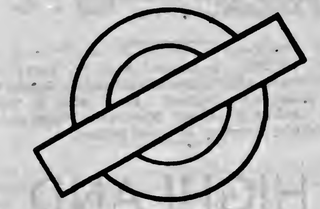
FOR COMBS.

Claims use since June 1923.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 81,967. Registered May 23, 1911. DETMER WOOLEN COMPANY, New York, N. Y., Chicago, Ill., Kansas City, Mo., Los Angeles, Calif., and Seattle, Wash. Republished by Detmer, Bruner & Mason, Inc., New York, N. Y., a corporation of New York.



FOR WOOLEN PIECE GOODS.

Claims use since Aug. 9, 1907.

Reg. No. 124,730. Registered Mar. 11, 1919. B. B. & R. KNIGHT, Providence, R. I. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FOR COTTON PIECE GOODS.

Claims use since 1877.

Reg. No. 128,130. Registered Dec. 23, 1919. ATLANTIC MILLS, Providence, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

ATLANTIC MILLS

The word "Mills" is disclaimed apart from the mark as shown.

FOR WOOLEN PIECE GOODS.

Claims use since about Apr. 1, 1919.

Reg. No. 159,664. Registered Oct. 3, 1922. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

KASEMENT SKRIM

The word "Scrim" is disclaimed apart from the mark as shown.
FOR SCRIM IN THE PIECE.
Claims use since Feb. 1, 1921.

Reg. 175,314. Registered Nov. 6, 1923. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FRUIT OF THE LOOM

FOR PILLOW CASES AND SHEETS.
Claims use since Nov. 25, 1891.

Reg. No. 167,956. Registered Aug. 12, 1924. P. M. QUAS COHEN, doing business as Cohen & Wilks, Cheetham, Manchester, England. Republished by Cohen & Wilks, Limited, Cheetham, Manchester, England, a limited liability company of Great Britain.

HIGHLAND DAWN

FOR WOOLEN PIECE GOODS.
Claims use since about Nov. 15, 1922.

Reg. No. 222,195. Registered Dec. 28, 1926. B. B. & R. KNIGHT, INC., Providence, R. I., and New York, N. Y. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FOR BLEACHED COTTON PIECE GOODS.
Claims use since 1900.

Reg. No. 222,614. Registered Jan. 4, 1927. EUGENE L. MAUPAI, West New York, N. J. Republished by F. P. Maupai Dyeing Company, Inc., West New York, N. J., a corporation of New Jersey.

The words "Boil Proof Dyed Silk None Better" are disclaimed apart from the mark as shown.
FOR ALL-SILK PIECE GOODS DYED BY A PATENTED PROCESS.
Claims use since July 26, 1926.

Reg. No. 241,327. Registered Apr. 24, 1928. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MAID O' RAYON

The word "Rayon" is disclaimed apart from the mark as shown.
FOR FABRICS OF RAYON AND DRESS AND GARMENT LENGTHS OF THIS FABRIC.
Claims use since Dec. 15, 1925.

Reg. No. 312,386. Registered Apr. 24, 1934. B. B. & R. KNIGHT CORPORATION, Providence, R. I. Republished by Fruit of The Loom, Inc., Providence, R. I., a corporation of Rhode Island.

STAR CRAFT

FOR CLOTH IN THE PIECE MADE ALL OR IN PART OF WORSTED, WOOL, MOHAIR, CAMEL'S HAIR, ALPACA, SILK, RAYON, COTTON.
Claims use since Sept. 26, 1933.

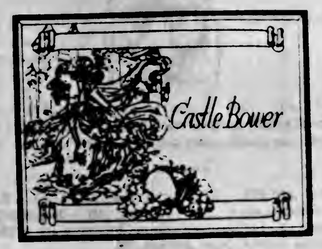
Reg. No. 350,631. Registered Sept. 14, 1937. GEHRING LACES, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Applicant disclaims the map per se, and the words "'Home Spun' Laces," apart from the mark as shown.
FOR LACE PIECE GOODS.
Claims use since Apr. 1, 1937.

Reg. No. 362,008. Registered Dec. 6, 1938. FRUIT OF THE LOOM, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FOR SHEETS, PILLOWCASES, AND COTTON PIECE GOODS.
Claims use since May 4, 1938.

Reg. No. 363,475. Registered Dec. 27, 1938. FRUIT OF THE LOOM, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.



FOR SHEETS, PILLOWCASES, AND COTTON PIECE GOODS.
Claims use since May 24, 1938.

Reg. No. 363,476. Registered Dec. 27, 1938. FRUIT OF THE LOOM, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FOR SHEETS, PILLOWCASES, AND COTTON PIECE GOODS.
Claims use since May 9, 1938.

Reg. No. 395,457. Registered May 26, 1942. HOLMES & ZUCKER INC., New York, N. Y., a corporation of New York. Republished by registrant.

Loomshire FABRICS

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR COTTON, RAYON, ACETATE, AND/OR SILK PIECE GOODS.
Claims use since June 15, 1939.

Reg. No. 416,278. Registered Sept. 4, 1945. JOHN WALTHER FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

STEP-CHECK

The word "Check" is disclaimed apart from the mark as shown.
FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since January 1944.

Reg. No. 434,585. Registered Nov. 25, 1947. WONDERKNIT CORPORATION, Lindenhurst, N. Y., a corporation of New York. Republished by registrant.

Wonderknit

FOR TOWELS AND WASH CLOTHS.
Claims use since July 3, 1946.

Reg. No. 434,586. Registered Nov. 25, 1947. SEYMOUR MASSIN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Mastex

FOR COTTON, RAYON, NYLON, AND SILK PIECE GOODS.
Claims use since June 1936.

Reg. No. 434,611. Registered Nov. 25, 1947. NYE-WAIT COMPANY, INC., Auburn, N. Y., a corporation of New York. Republished by registrant.

CELESTE

FOR RUGS AND CARPETS.
Claims use since Dec. 6, 1946.

CLASS 43
THREAD AND YARN

Reg. No. 431,767. Registered Aug. 5, 1947. SHEPHERD WORSTED MILLS, Newton, Mass., a Massachusetts trust. Republished by registrant.

BABILYN

FOR YARNS.
Claims use since Oct. 25, 1946.

Reg. No. 431,768. Registered Aug. 5, 1947. SHEPHERD WORSTED MILLS, Newton, Mass., a Massachusetts trust. Republished by registrant.

SHEPTWIST

FOR YARNS.
Claims use since Dec. 12, 1946.

CLASS 44
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 236,162. Registered Dec. 6, 1927. THE COLUMBUS DENTAL MANUFACTURING CO., Columbus, Ohio, a corporation of Ohio. Republished by registrant.

STEELE'S
RUGAPAKS

The word "Steele's" is disclaimed apart from the mark as shown.
FOR RUGAE MOLDS.
Claims use since Oct. 31, 1914.

Reg. No. 367,801. Registered May 30, 1939. ELGIN LABORATORIES, INC., Chicago, Ill. Republished by Jack Galter, Chicago, Ill.

SUNMASTER

FOR ELECTRIC LAMPS FOR USE AS A THERAPEUTIC AGENT.
Claims use since Nov. 12, 1936.

Reg. No. 387,244. Registered May 6, 1941. COSMOS DENTAL PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Densene

FOR SYNTHETIC RESIN DENTURE BASE MATERIALS.
Claims use since Aug. 17, 1938.

Reg. No. 409,813. Registered Oct. 24, 1944. PICKER X-RAY CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Rayprene

The word "Ray" is disclaimed apart from the mark as shown.
FOR APRONS, GLOVES, AND SHEETS OF LEAD-BEARING RUBBER, NATURAL OR SYNTHETIC USED FOR BODY PROTECTION AGAINST X-RAYS.
Claims use since January 1944.

CLASS 45
SOFT DRINKS AND CARBONATED WATERS

Reg. No. 86,146. Registered Apr. 16, 1912. MILWAUKEE-WAUKESHA BREWING COMPANY, Milwaukee, Wis. Republished by Fox Head Brewing Co., Waukesha, Wis., a corporation of Wisconsin.

FOR GINGER-ALE AND MINERAL WATER.
Claims use since about July 14, 1906.

Reg. No. 120,291. Registered Jan. 29, 1918. RICHARD M. SCHLESINGER, New Athens, Ill. Republished by Herman J. Schlesinger, doing business as Schlesinger Bottling Works, New Athens, Ill.

KOLABRU

FOR NON-ALCOHOLIC CARBONATED MALTLESS BEVERAGE AND SYRUP FOR MAKING THE SAME.
Claims use since about Feb. 5, 1917.

Reg. No. 136,778. Registered Nov. 9, 1920. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio, a corporation of Ohio.

Buckeye

FOR ROOT-BEER AND THE SYRUP THEREFOR.
Claims use since about 1894.

CLASS 46
FOODS AND INGREDIENTS OF FOODS

Reg. No. 23,254. Registered June 27, 1893. VAN LILL PRESERVING COMPANY, Baltimore, Md. Republished by S. J. Van Lill Co., Baltimore, Md., a corporation of Maryland.

FOR PRESERVES, JELLIES, FRUIT-BUTTERS, AND MINCEMEAT.
Claims use since Apr. 15, 1893.

Reg. No. 31,790. Registered July 5, 1898. FRIES BROS., New York, N. Y. Republished by Fries Bros., Inc., New York, N. Y., a corporation of New Jersey.

Powdered · Superior · Sweetener
Glycosine.

FOR POWDERED OR LIQUID SWEETENERS, SACCHARINE SUBSTANCES, AND BENZOIC SULFINIDS, IN SOLUTION OR OTHER FORM.
Claims use since on or about Dec. 1, 1895.

Reg. No. 58,197. Registered Dec. 11, 1906. THE NEWTON MILLING & ELEVATOR COMPANY, Newton, Kans. Republished by The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas.

LOYALTY

FOR WHEAT FLOUR.
Claims use since Apr. 16, 1906.

Reg. No. 69,329. Registered June 23, 1908. WM. KELLY MILLING COMPANY, Hutchinson, Kans. Republished by The William Kelly Milling Company, Hutchinson, Kans., a corporation of Kansas.

FOR WHEAT FLOUR.
Claims use since July 15, 1906.

Reg. No. 73,518. Registered Apr. 27, 1909. HALE-HALSELL GROCERY CO., McAlester, Durant, Coalgate, and Muskogee, Okla. Republished by Hale-Halsell Company, McAlester, Okla., a corporation of Oklahoma.

HALE'S LEADER

FOR CANNED FRUITS, VEGETABLES, AND OYSTERS.
Claims use since about Mar. 1, 1908.

Reg. No. 74,109. Registered June 15, 1909. WORCESTER SALT COMPANY, Silver Springs and New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

IVORY

FOR COMPOUND TABLE-SALT.
Claims use since Jan. 2, 1895.

Reg. No. 76,919. Registered Feb. 22, 1910. INDIAN HILL CITRUS ASSOCIATION, North Pomona, Calif., a corporation of California. Republished by registrant.

FOR CITRUS FRUITS.
Claims use since January 1896.

Reg. No. 77,468. Registered Apr. 12, 1910. INDIAN HILL CITRUS ASSOCIATION, North Pomona, Calif., a corporation of California. Republished by registrant.

FOR CITRUS FRUITS.
Claims use since January 1900.

Reg. No. 84,810. Registered Jan. 9, 1912. CHAS. W. BAUERMEISTER CO., INC., Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

The picture in the drawing is fanciful.
FOR SPICES, MINCE MEAT, RICE, BREAKFAST CEREALS, FLAVORING EXTRACTS, PEPPER, SALAD DRESSING, PEANUT BUTTER AND EVAPORATED MILK.
Claims use since Jan. 1, 1907.

Reg. No. 85,224. Registered Feb. 6, 1912. BIEDERMANN BROS., Chicago, Ill. Republished by Biedermann Brothers, Inc., Chicago, Ill., a corporation of Illinois.

MOTOR CLUB

FOR COFFEE.
Claims use since Oct. 4, 1911.

Reg. No. 88,207. Registered Sept. 10, 1912. KELLEY-CLARKE CO., Seattle, Wash. Republished by San Juan Fishing & Packing Company, Seattle, Wash., a corporation of Washington.

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED SALMON.
Claims use since May 1, 1899.

Reg. No. 93,531. Registered Sept. 23, 1913. HALE-HALSELL GROCERY CO., McAlester, Muskogee, Coalgate, and Durant, Okla. Republished by Hale-Halsell Company, McAlester, Okla., a corporation of Oklahoma.

FOR CANNED FRUITS AND VEGETABLES, SAUERKRAUT, HOMINY, CANNED SWEET POTATOES, CANNED PORK AND BEANS AND CANNED OYSTERS.
Claims use since Nov. 1, 1910.

Reg. No. 96,403. Registered Apr. 21, 1914. EVANS MILLING COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

EMCO

FOR CORN PRODUCTS CONSISTING OF HOMINY, HOMINY FEED, GRITS, MEAL, CONES, AND FLAKES.
Claims use since Aug. 12, 1913.

Reg. No. 98,612. Registered June 30, 1914. SAN JUAN FISHING & PACKING CO., Seattle, Wash. Republished by San Juan Fishing & Packing Company, Seattle, Wash., a corporation of Washington.

Cherokee

FOR CANNED SALMON.
Claims use since June 1, 1913.

Reg. No. 100,204. Registered Oct. 13, 1914. THE GOLDEN PHEASANT, San Francisco, Calif. Republished by Frederick Joseph Williams, San Francisco, Calif.

FOR CANDIES, CAKES, CONFECTIONERY, AND THE LIKE.
Claims use since Nov. 9, 1904.

Reg. No. 101,421. Registered Dec. 8, 1914. THE RIDER PACKING CO. INC., Crothersville, Ind. Republished by Vincennes Packing Corporation, Vincennes, Ind., a corporation of Indiana.

FOOD KING

FOR CANNED TOMATOES, HOMINY, SAUERKRAUT, PUMPKIN, GREEN BEANS, RED KIDNEY BEANS, BEANS WITH PORK AND TOMATO SAUCE, AND CATSUP.
Claims use since Jan. 1, 1914.

Reg. No. 107,084. Registered Nov. 9, 1915. HALE-HALSELL BRO. CO., McAlester, Durant, Coalgate, Muskogee, and Tulsa, Okla. Republished by Hale-Halsell Company, McAlester, Okla., a corporation of Oklahoma.

HALE'S LEADER

FOR CANNED SOUPS, MINCEMEAT, PREPARED MUSTARD, CANNED SALMON, CANNED PORK AND BEANS, SPICES, FLAVORING EXTRACTS FOR USE IN FOODS, ROLLED OATS, ROASTED COFFEE, DRIED RAISINS, SHREDDED COCOANUT, CATSUP, PEPPER SAUCE, PEANUT BUTTER, TAPIOCA, PEARL BARLEY, POPCORN, TABLE SYRUPS, SORGHUM, AND EVAPORATED MILK.
Claims use since Mar. 1, 1908.

Reg. No. 111,862. Registered Aug. 8, 1916. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

PURE GOLD

FOR CATSUP, TOMATO PUREE, CANNED VEGETABLES.
Claims use since Jan. 1, 1895.

Reg. No. 116,184. Registered Apr. 10, 1917. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

SILVER THREAD

FOR CANNED SAUERKRAUT.
Claims use since Jan. 1, 1894.

Reg. No. 118,136. Registered Aug. 21, 1917. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif., a corporation of California. Republished by registrant.

THE MOTHER COLONY

FOR ORANGES.
Claims use since Jan. 15, 1910.

Reg. No. 124,462. Registered Feb. 18, 1919. LUBEC SARDINE CO., Lubec and Belfast, Maine. Republished by Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware.

MELON

FOR CANNED SARDINES.
Claims use since Jan. 1, 1905.

Reg. No. 137,843. Registered Dec. 7, 1920. OLD BALDY CITRUS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

INSIGNIA

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 27, 1920.

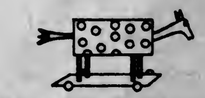
Reg. No. 138,947. Registered Jan. 18, 1921. BOOTH FISHERIES SARDINE CO., Eastport, Maine. Republished by Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware.

SEMINOLE

FOR CANNED SARDINES.
Claims use since Jan. 1, 1910.

Reg. No. 143,049. Registered May 24, 1921. HOLLINGSWORTH CANDY CO., Augusta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

Hobby



FOR CANDY.
Claims use since Aug. 1, 1920.

Reg. No. 146,679. Registered Sept. 20, 1921. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif., a corporation of California. Republished by registrant.

BALBOA

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1920.

Reg. No. 152,862. Registered Mar. 7, 1922. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif., a corporation of California. Republished by registrant.

Colonial Mother

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1920.

Reg. No. 168,105. Registered May 15, 1923. FREDERICK ELWOOD MOJONNIER, doing business as Walla Walla Hothouse Vegetable Co., Walla Walla, Wash. Republished by Mojonnier & Sons, Inc., Walla Walla, Wash., a corporation of Washington.

Blue Mountain

FOR FRESH TOMATOES.
Claims use since Mar. 16, 1922.

Reg. No. 171,313. Registered Aug. 7, 1923. CHAS. W. BAUERMEISTER CO., INC., Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

Jane Justice

FOR OLIVES, ALLSPICE, SAVORY, MUSTARD, PEPPER, SAGE, WHITE PEPPER, THYME, CLOVES, SPANISH PAPRIKA, MACE, MARJORAM, TURMERIC, GINGER, CURRY POWDER, CHILI POWDER, CAYENNE PEPPER, NUTMEG, PREPARED MUSTARD, SALAD DRESSING, CHILI SAUCE, PEPPER SAUCE, CATCHUP, CIDER VINEGAR, PEANUT BUTTER, QUEEN OLIVES, CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since 1905.

Reg. No. 173,329. Registered Sept. 25, 1923. WILLIAM EMMETT ROCHE, doing business as The Roche Fruit and Produce Co., Yakima, Wash. Republished by W. E. Roche Fruit Company, Yakima, Wash., a corporation of Washington.

YAK

FOR FRESH APPLES.
Claims use since Sept. 24, 1923.

Reg. No. 179,058. Registered Feb. 5, 1924. BEESEMYER-WAGGONER, INC., Los Angeles, Calif. Republished by Norman L. Waggoner, Inc., San Francisco, Calif., a corporation of California.

AVALON

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Aug. 17, 1923.

Reg. No. 180,531. Registered Mar. 4, 1924. BEESEMYER-WAGGONER, INC., Los Angeles, Calif. Republished by Norman L. Waggoner, Inc., San Francisco, Calif., a corporation of California.

MERMAID

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Aug. 17, 1923.

Reg. No. 180,887. Registered Mar. 11, 1924. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

GOLD BOX

FOR CANDIES.
Claims use since Feb. 15, 1923.

Reg. No. 183,164. Registered Apr. 22, 1924. HENARD MAYONNAISE COMPANY, Nashville, Tenn. Republished by Kraft Foods Company, Chicago, Ill., a corporation of Delaware.

The surname "Henard" is disclaimed apart from the mark as shown.
FOR SALAD DRESSING AND VEGETABLE RELISH.
Claims use since Sept. 1, 1923.

Reg. No. 189,726. Registered Sept. 23, 1924. HOLLINGSWORTH CANDY CO., Augusta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

"ANNSNAT."

CANDIES

No claim is made to the word "Candies."
FOR CANDY.
Claims use since Nov. 30, 1919.

Reg. No. 193,246. Registered Dec. 23, 1924. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as North Dakota Mill and Elevator, and State Mill and Elevator, Grand Forks, N. Dak., an association of North Dakota. Republished by registrant.

DAKOTA MAID

FOR WHEAT PRODUCTS—NAMELY, WHEAT FLOUR.
Claims use since Nov. 1, 1922.

Reg. No. 194,010. Registered Jan. 13, 1925. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business as North Dakota Mill and Elevator, and State Mill and Elevator, Grand Forks, N. Dak., an association of North Dakota. Republished by registrant.

DAKOTA MAID

FOR GRANULAR WHEAT FLOUR.
Claims use since Nov. 1, 1922.

Reg. No. 196,852. Registered Mar. 31, 1925. DODWELL & CO. LTD., San Francisco and Los Angeles, Calif., London, England, Hongkong, China, and elsewhere, a corporation of Great Britain. Republished by registrant, present address San Francisco, Calif.

Dodco

FOR CANNED FRUIT, CANNED FISH, COCOANUT, TEA, COFFEE, CANNED VEGETABLES, AND ALBUMEN CONSISTING OF WHITES OF EGGS IN FLAKE FORM FOR FOOD PURPOSES, CANNED FRUIT SALAD, AND CANNED VEGETABLE SALAD.
Claims use since 1920.

Reg. No. 201,490. Registered July 28, 1925. HOLLINGSWORTH CANDY CO., doing business as Sweetly Yours Candy Co., Augusta, Ga. Republished by Fine Products Corporation, Augusta, Ga., a corporation of Georgia.

Mr. It

FOR CANDY.
Claims use since February 1925.

Reg. No. 203,811. Registered Sept. 29, 1925. SUNLAND PACKING HOUSE COMPANY, Porterville, Calif., a corporation of California. Republished by registrant.

REWARD

FOR FRESH CITROUS FRUITS.
Claims use since Feb. 3, 1925.

Reg. No. 209,672. Registered Mar. 2, 1926. THE FARR PRODUCE COMPANY, Greeley, Colo. Republished by The Farr Company, Greeley, Colo., a corporation of Colorado.

FOR RAW PRODUCE—NAMELY, POTATOES, BEANS, ONIONS, AND CABBAGES.
Claims use since approximately Oct. 5, 1923.

Reg. No. 217,090. Registered Aug. 24, 1926. W. & W. PICKLE AND CANNING CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

LADY GRACE

FOR PICKLES.
Claims use since August 1925.

Reg. No. 217,091. Registered Aug. 24, 1926. W. & W. PICKLE AND CANNING CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

GREEN BEAUTY

FOR PICKLES.
Claims use since July 1924.

Reg. No. 218,561. Registered Sept. 28, 1926. DONAHOE'S INCORPORATED, Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

FIFTH AVENUE

FOR CANNED VEGETABLES, SUCH AS PEAS, CORN, TOMATOES, ETC.; CANNED OYSTERS AND EGGS SOLD IN BOXES.
Claims use since June 17, 1923.

Reg. No. 225,186. Registered Mar. 15, 1927. KANSAS CITY WHOLESALE GROCERY CO., Kansas City, Mo. Republished by Pickwick Products, Inc., Kansas City, Mo., a corporation of Missouri.

PICKWICK

FOR BAKING POWDER AND BLUING, GLOSS STARCH, AND SALT FOR FOOD PURPOSES.
Claims use since July 1905.

Reg. No. 227,172. Registered May 3, 1927. DECATUR MILLING COMPANY, Decatur, Ill. Republished by Decatur Milling Company, Inc., Decatur, Ill., a corporation of Indiana.

HOMCO

FOR MILL PRODUCT—NAMELY, HOMINY FEED, CONSISTING OF THE HULLS AND SMALL PARTICLES GROUND, BOLTED, AND KILN DRIED FOR USE AS STOCK, DAIRY, AND HOG FEED.
Claims use since about Apr. 1, 1905.

Reg. No. 227,267. Registered May 3, 1927. DECATUR MILLING COMPANY, Decatur, Ill. Republished by Decatur Milling Company, Inc., Decatur, Ill., a corporation of Indiana.

CEREALINE

FOR PRODUCT OF CORN IN FLAKE FORM FOR USE AS A BREAKFAST FOOD AND ALSO FOR USE IN THE MANUFACTURE OF CEREAL BEVERAGES AND FOR CANDY MAKING AND FOR BAKER'S USES.
Claims use since about January 1881.

Reg. No. 229,081. Registered June 21, 1927. B. F. LIST, Exeter, Calif. Republished by registrant.

Silver Cup

FOR FRESH GRAPES, FRESH PLUMS, FRESH PEACHES, FRESH LEMONS, FRESH ORANGES, AND FRESH GRAPEFRUIT.
Claims use since Oct. 10, 1922.

Reg. No. 231,834. Registered Aug. 30, 1927. W. & W. PICKLE AND CANNING CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

Alabam Girl

FOR PICKLES, CHOWCHOW, AND RELISH COMPOSED OF CHOPPED PICKLES, SUGAR, SPICES, AND SPICE OILS.
Claims use since May 5, 1924.

Reg. No. 231,832. Registered Aug. 30, 1927. W. & W. PICKLE AND CANNING CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

FOR PICKLES, CHOWCHOW, AND RELISH COMPOSED OF CHOPPED PICKLES, SUGAR, SPICES, AND SPICE OILS.
Claims use since May 5, 1924.

Reg. No. 233,433. Registered Sept. 27, 1927. W. & W. PICKLE AND CANNING CO., Montgomery, Ala., a corporation of Alabama. Republished by registrant.

A PICNIC IN EVERY BOTTLE

FOR PICKLES, CHOWCHOW, AND RELISH COMPOSED OF CHOPPED PICKLES, SUGAR, SPICES, AND SPICE OILS.
Claims use since April 1925.

Reg. No. 238,614. Registered Feb. 14, 1928. SAN JUAN FISHING & PACKING CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

Offshore

FOR CANNED SALMON.
Claims use since 1913.

Reg. No. 239,928. Registered Mar. 13, 1928. FELTON CHEMICAL COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Feltcovan

FOR ARTIFICIAL VANILLA, AND COMPOUNDS OF THE SAME FOR FOOD FLAVORING PURPOSES.
Claims use since Sept. 27, 1927.

Reg. No. 240,188. Registered Mar. 20, 1928. H. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Harriet Clarke

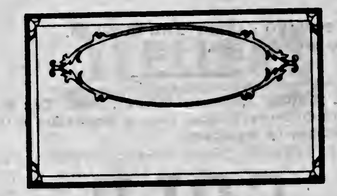
The representation of the woman is fanciful.
FOR CANDY.
Claims use since Feb. 1, 1917.

Reg. No. 243,316. Registered June 19, 1928. ALBANY PACKING CO., INC., West Albany, N. Y. Republished by Tobin Packing Co., Inc., Rochester, N. Y., a corporation of Delaware.

PIPPINS

FOR CURED AND SMOKED PORK.
Claims use since Dec. 27, 1924.

Reg. No. 246,279. Registered Sept. 4, 1928. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., and Philadelphia, Pa., a corporation of New York. Republished by registrant.



FOR LICORICE CONFECTIONERY.
Claims use since about Dec. 1, 1927.

Reg. No. 247,128. Registered Sept. 18, 1928. HALE-HALSELL COMPANY, McAlester, Okla., a corporation of Oklahoma. Republished by registrant.

FOR COFFEE.
Claims use since 1915.

Reg. No. 247,359. Registered Sept. 25, 1928. EVANS MILLING COMPANY, Indianapolis, Ind. Republished by Knefler-Bates Company, Indianapolis, Ind., a corporation of Indiana.

QUICK MALT

FOR PRODUCT OF CORN IN FLAKE FORM.
Claims use since about October 1891.

Reg. No. 249,152. Registered Nov. 6, 1928. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

ACME

FOR PICKLES.
Claims use since 1891.

Reg. No. 249,346. Registered Nov. 13, 1928. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

PURE GOLD

FOR TOMATO CATSUP AND PICKLES.
Claims use since 1900.

Reg. No. 250,086. Registered Nov. 27, 1928. THE W. H. MARVIN COMPANY, Urbana, Ohio, a corporation of Ohio. Republished by registrant.

GOLD RIBBON

FOR DRIED CURRANTS AND MINCEMEAT.
Claims use since on or about Nov. 20, 1912.

Reg. No. 250,578. Registered Dec. 11, 1928. CARPINTERIA MUTUAL CITRUS ASSOCIATION, Carpinteria, Calif., a corporation of California. Republished by registrant.

Sea Breeze

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 1, 1928.

Reg. No. 250,796. Registered Dec. 18, 1928. HAAS, BARUCH & CO., Los Angeles, Calif., a corporation of California. Republished by registrant.

IRIS

FOR POPCORN (RAW), CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, CANNED FISH, CANNED SHELLFISH, CODFISH TABLETS, DRIED VEGETABLES, FRUIT PICKLES, CANNED HOMINY, CANNED SAUERKRAUT, APPLEBUTTER, OLIVES, CATSUP, PICKLE AND VEGETABLE RELISHES, PICKLES, CHILI CON CARNE, CHOP SUEY; FRUITS IN GLASS, JAMS, JELLIES, AND FRUIT PRESERVES; FOOD FLAVORING EXTRACTS; TOMATO SAUCE, OYSTER COCKTAIL SAUCE, CHILI SAUCE, PEPPER SAUCE, AND APPLESAUCE; SOUPS, CANNED; TABLE SYRUPS—NAMELY, CANE AND MAPLE SYRUP COMBINED AND MAPLE SYRUP; CHILI POWDER, SALAD DRESSING, CANNED CHICKEN A LA KING, PINEAPPLE JUICE, BIRD SEED, HEAD RICE, BREAKFAST CEREALS, TEA AND COFFEE, HONEY, CORNSTARCH, SAGO, SPICES, CANNED PIMIENTOS, MINCEMEAT, OLIVE OIL, SAUERKRAUT JUICE, AND TAPIOCA.
Claims use since January 1898.

Reg. No. 252,327. Registered Feb. 5, 1929. FREDERICK ELWOOD MOJONNIER, doing business as Walla Walla Hothouse Vegetable Co., Walla Walla, Wash. Republished by Mojonnier & Sons, Inc., Walla Walla, Wash., a corporation of Washington.

BLUE MOUNTAIN

FOR FRESH VEGETABLES—NAMELY, SPINACH, GREEN ONIONS, ASPARAGUS, RHUBARB, LETTUCE, DRY ONIONS, FRESH BEANS, FRESH BEETS, FRESH CARROTS, FRESH TURNIPS, FRESH PEAS, RADISHES, FRESH CABBAGE, FRESH CELERY, FRESH SWEET CORN, FRESH POTATOES, FRESH CUCUMBERS, FRESH PEPPERS; FRESH FRUITS—NAMELY, CHERRIES, PEACHES, APRICOTS, PEARS, APPLES, CANTALOUPES, AND GRAPES; FRESH BERRIES—NAMELY, STRAWBERRIES AND RASPBERRIES.
Claims use since May 1921.

Reg. No. 254,404. Registered Mar. 26, 1929. VINCENNES PACKING CORPORATION, Vincennes, Ind., a corporation of Indiana. Republished by registrant.

Alice of old Vincennes

FOR CANNED PUMPKINS.
Claims use since May 24, 1927.

Reg. No. 256,970. Registered May 28, 1929. IRVINE VALENCIA GROWERS, Irvine, Calif., a corporation of California. Republished by registrant.

VELVET

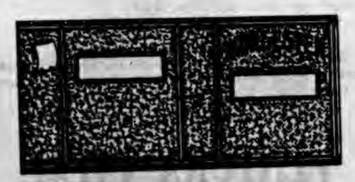
FOR FRESH CITRUS FRUITS.
Claims use since July 7, 1928.

Reg. No. 269,543. Registered Apr. 8, 1930. LOWENBERG BAKERY, Ottumwa, Iowa. Republished by Lowenberg Bakery, Inc., Ottumwa, Iowa, a corporation of Iowa.

Macy Jane

FOR BAKERY PRODUCTS—NAMELY, BREAD, BRAN BREAD, BUNS, COOKIES.
Claims use since Jan. 1, 1909.

Reg. No. 277,388. Registered Nov. 11, 1930. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.



The representation of the label per se is disclaimed apart from the mark as shown. The drawing is lined for the color orange.
FOR SALT.
Claims use since on or about 1912 .

Reg. No. 277,389. Registered Nov. 11, 1930. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

The representation of the label per se is disclaimed apart from the mark as shown. The drawing is lined for the color orange.
FOR SALT.
Claims use since on or about 1912.

Reg. No. 277,390. Registered Nov. 11, 1930. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

The representation of the carton per se is disclaimed apart from the mark as shown. The drawing is lined for the color orange.
FOR SALT.
Claims use since July 26, 1927.

Reg. No. 277,745. Registered Nov. 25, 1930. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

WELLER'S

FOR CANNED SAUERKRAUT, TOMATO CATSUP, PICKLES, AND CHILI SAUCE.
Claims use since January 1895.

Reg. No. 280,442. Registered Feb. 17, 1931. NORTH DAKOTA MILL AND ELEVATOR ASSOCIATION, doing business under the name of North Dakota Mill and Elevator and State Mill and Elevator, Grand Forks, N. Dak., an association of North Dakota. Republished by registrant.

DAKOTA MAID

FOR FEEDS—TO WIT, PURE SPRING-WHEAT BRAN, STANDARD MIDDLINGS, FLOUR MIDDLINGS, AND MIXED FEED.
Claims use since October 1922.

Reg. No. 283,184. Registered May 19, 1931. GENERAL MILLS, INC., Minneapolis, Minn., a corporation of Delaware. Republished by registrant.

"PRESS-TESTED"

FOR WHEAT FLOUR USED FOR THE MANUFACTURE OF MACARONI, SPAGHETTI, AND OTHER ALIMENTARY PASTES.
Claims use since Oct. 16, 1930.

Reg. No. 284,173. Registered June 16, 1931. P. D. GWALTNEY, JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

GWALTNEY'S VIRGINIA CURED HAM

FOR CURED MEATS—NAMELY, HAMS.
Claims use since 1882.

Reg. No. 285,509. Registered July 28, 1931. P. D. GWALTNEY JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

GWALTNEY'S SMITHFIELD HAM

FOR CURED MEATS—NAMELY, HAMS.
Claims use since 1882.

Reg. No. 295,995. Registered July 19, 1932. EAST WHITTIER CITRUS ASSOCIATION, Whittier, Calif., a corporation of California. Republished by registrant.

NOTABLE

FOR FRESH CITRUS FRUITS.
Claims use since Mar. 31, 1932.

Reg. No. 300,953. Registered Feb. 14, 1933. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

VENTURA FORCE

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 31, 1932.

Reg. No. 300,954. Registered Feb. 14, 1933. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

VENTURA HABIT

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 30, 1932.

Reg. No. 300,955. Registered Feb. 14, 1933. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

VENTURA LIFE

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 30, 1932.

Reg. No. 301,011. Registered Feb. 14, 1933. BIEDERMANN BROTHERS, INC., Chicago, Ill. Republished by Biedermann Brothers, Inc (1939), Chicago, Ill., a corporation of Illinois.

Fine Cup

FOR COFFEE.
Claims use since Mar. 12, 1930.

Reg. No. 301,064. Registered Feb. 14, 1933. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

VENTURA VITAL

FOR FRESH CITRUS FRUITS.
Claims use since Aug. 31, 1932.

Reg. No. 307,335. Registered Oct. 24, 1933. DONAHOE'S INCORPORATED, Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

FIFTH AVENUE

FOR CANNED VEGETABLES—NAMELY, ASPARAGUS, LIMA BEANS, WHOLE STRINGLESS BEANS, WHOLE WAX BEANS, BEETS; CANNED FRUITS, INCLUDING APRICOTS, APPLESAUCE, ROYAL ANN CHERRIES, PEACHES (HALVES), PEACHES (SLICED), BARTLETT PEARS, PINEAPPLE (SLICED), PINEAPPLE (CRUSHED), PRUNES, FRUITS FOR SALADS; AND THE FOLLOWING MISCELLANEOUS FOODS—NAMELY, HONEY IN JARS AND CANS, JELLY OF ASSORTED FLAVORS, DILL PICKLES AND SWEET PICKLES IN JARS, SWEET MIXED AND SOUR PICKLES IN JARS, FRUIT PRESERVES IN JARS, SWEET RELISH IN JARS, RED SALMON IN CANS, SHRIMP IN CANS, AND VINEGAR IN GLASS.
Claims use since March 1936.

Reg. No. 307,778. Registered Oct. 31, 1933. GWINN BROS. & CO., Huntington, W. Va., a corporation of West Virginia. Republished by registrant.

The drawing is lined for blue. The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since June 10, 1933.

Reg. No. 319,894. Registered Dec. 11, 1934. GWINN BROS. & CO., Huntington, W. Va., a corporation of West Virginia. Republished by registrant.

The drawing is lined for shading. The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 1, 1934.

Reg. No. 327,007. Registered Aug. 13, 1935. PEARL STRAITS PACKING CO., Seattle, Wash. Republished by San Juan Fishing & Packing Company, Seattle, Wash., a corporation of Washington.

Seaketch

FOR CANNED SALMON.
Claims use since June 13, 1912.

Reg. No. 331,172. Registered Dec. 31, 1935. P. D. GWALTNEY, JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

The words "Cured by" and "Smithfield, Virginia" are disclaimed apart from the mark as shown. The drawing is lined for red.
FOR HAM.
Claims use since Nov. 25, 1930.

Reg. No. 333,524. Registered Mar. 24, 1936. NORMAN L. WAGGONER, INC., San Francisco, Calif., a corporation of California. Republished by registrant.

NORLEE

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Mar. 31, 1933.

Reg. No. 334,863. Registered May 19, 1936. P. PASCAL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The word "Coffee" is disclaimed apart from the mark as shown.
FOR COFFEE.
Claims use since Aug. 10, 1930.

Reg. No. 338,927. Registered Sept. 22, 1936. GOLETA LEMON ASSOCIATION, Goleta, Calif., a corporation of California. Republished by registrant.

CHANNEL

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 19, 1936.

Reg. No. 338,928. Registered Sept. 22, 1936. GOLETA LEMON ASSOCIATION, Goleta, Calif., a corporation of California. Republished by registrant.

ESTERO

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 19, 1936.

Reg. No. 339,019. Registered Sept. 22, 1936. GOLETA LEMON ASSOCIATION, Goleta, Calif., a corporation of California. Republished by registrant.

SCHOONER

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 19, 1936.

Reg. No. 342,469. Registered Jan. 19, 1937. GOLETA LEMON ASSOCIATION, Goleta, Calif., a corporation of California. Republished by registrant.

SAN MARCOS

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 19, 1936.

Reg. No. 347,401. Registered June 22, 1937. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

SYSTEM

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 5, 1937.

Reg. No. 348,902. Registered Aug. 17, 1937. THE J. WELLER COMPANY, Oak Harbor, Ohio, a corporation of Ohio. Republished by registrant.

HOFFMAN HOUSE

FOR CATSUP, TOMATO PUREE, PICKLES, CANNED SAUERKRAUT, AND CANNED VEGETABLES.
Claims use since Jan. 1, 1903.

Reg. No. 350,818. Registered Oct. 5, 1937. KELSEYVILLE PACKING COMPANY, Kelseyville, Calif., a corporation of California. Republished by registrant.

BLAZING STAR

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 18, 1934.

Reg. No. 350,819. Registered Oct. 5, 1937. KELSEYVILLE PACKING COMPANY, Kelseyville, Calif., a corporation of California. Republished by registrant.

STAR POINT

FOR FRESH DECIDUOUS FRUITS.
Claims use since July 18, 1934.

Reg. No. 350,993. Registered Oct. 12, 1937. DONAHOE'S INCORPORATED, Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

FIFTH AVENUE

FOR FOOD PRODUCTS—NAMELY, CANNED, PEELED APRICOTS (WHOLE OR IN HALVES), CHILI SAUCE IN BOTTLES, OLIVE OIL, TEAS, ESPECIALLY ICING TEAS.
Claims use since March 1932.

Reg. No. 353,353. Registered Jan. 4, 1938. KELSEYVILLE PACKING COMPANY, Kelseyville, Calif., a corporation of California. Republished by registrant.

STAR LINE

FOR FRESH DECIDUOUS FRUITS.
Claims use since Apr. 21, 1937.

Reg. No. 353,449. Registered Jan. 11, 1938. CAAR CANNING COMPANY, Redkey, Ind., a corporation of Indiana. Republished by registrant.

Richland

FOR CANNED TOMATOES, CANNED TOMATO PUREE, AND CANNED TOMATO JUICE.
Claims use since Apr. 16, 1918.

Reg. No. 354,007. Registered Jan. 25, 1938. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

EXACT

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 11, 1937.

Reg. No. 357,184. Registered May 24, 1938. THE FRANK PURE FOOD COMPANY, Franksville, Wis., a corporation of Wisconsin. Republished by registrant.

Frank's

TING TANG

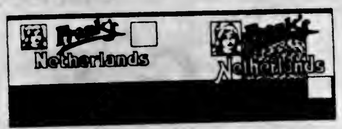
The surname "Frank's" and the word "Tang" are disclaimed apart from the mark as shown.
FOR COCKTAIL OF TOMATO AND SAUERKRAUT JUICE.
Claims use since Nov. 16, 1937.

Reg. No. 357,599. Registered June 7, 1938. GOLETA LEMON ASSOCIATION, Goleta, Calif., a corporation of California. Republished by registrant.

LA PATERA

FOR FRESH CITRUS FRUITS.
Claims use since Dec. 10, 1937.

Reg. No. 360,748. Registered Sept. 27, 1938. THE FRANK PURE FOOD COMPANY, Franksville, Wis., a corporation of Wisconsin. Republished by registrant.



The drawing is lined for blue, yellow, and black. The word "Netherlands" is disclaimed apart from the mark as shown.
FOR CANNED SAUERKRAUT AND CANNED SAUERKRAUT JUICE.
Claims use since September 1934.

Reg. No. 363,822. Registered Jan. 10, 1939. GOODWIN CITRUS ASSOCIATION, Mission, Tex., a corporation of Texas. Republished by registrant.

TEXAS GIRL

The word "Texas" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since November 1937.

Reg. No. 364,518. Registered Feb. 7, 1939. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Republished by registrant.

ZEUS

FOR FRESH CITRUS FRUIT.
Claims use since Apr. 26, 1937.

Reg. No. 369,283. Registered July 18, 1939. THE NUNNALLY COMPANY, Atlanta, Ga. Republished by Fine Products Corporation, doing business as Nunnally's, Augusta, Ga., a corporation of Georgia.

Nunnally's

FOR CANDY.
Claims use since 1893.

Reg. No. 375,175. Registered Feb. 13, 1940. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich. Republished by Gerber Products Company, Fremont, Mich., a corporation of Michigan.

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Dec. 15, 1937.

Reg. No. 378,235. Registered June 4, 1940. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

PILLSBURY'S
HOTEL and RESTAURANT

H R

The words "Hotel and Restaurant" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Apr. 8, 1939.

Reg. No. 378,595. Registered June 11, 1940. INDIAN HILL CITRUS ASSOCIATION, North Pomona, Calif., a corporation of California. Republished by registrant.

Indian Hill

FOR FRESH CITRUS FRUITS.
Claims use since February 1893.

Reg. No. 384,542. Registered Jan. 21, 1941. P. D. GWALTNEY, JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

Pagan

FOR HAMS, PICNICS, BACON, AND SHOULDER BUTTS.
Claims use since Dec. 12, 1939.

Reg. No. 389,926. Registered Aug. 26, 1941. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

Ryecraft

FOR RYE FLOUR.
Claims use since Feb. 26, 1941.

Reg. No. 390,148. Registered Sept. 9, 1941. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

TWISDO

FOR WHEAT FLOUR.
Claims use since Feb. 11, 1941.

Reg. No. 392,251. Registered Dec. 16, 1941. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Republished by registrant.

Atlas

FOR FRESH CITRUS FRUITS.
Claims use since about May 1914.

Reg. No. 392,813. Registered Jan. 13, 1942. SEBASTOPOL FRUIT GROWERS ASSOCIATION, Sebastopol, Calif., a corporation of California. Republished by registrant.

GOLD-RIDGE

FOR FRESH DECIDUOUS FRUITS.
Claims use since Apr. 2, 1922.

Reg. No. 393,155. Registered Jan. 27, 1942. SALINAS VALLEY VEGETABLE EXCHANGE, Salinas, Calif., a copartnership. Republished by registrant.

ICE MAID

FOR FRESH VEGETABLES—NAMELY, LETTUCE.
Claims use since Dec. 20, 1940.

Reg. No. 398,948. Registered Dec. 8, 1942. NORMAN L. WAGGONER, INC., San Francisco, Calif., a corporation of California. Republished by registrant.

CORONADO BRAND

No claim is made to the wording apart from the mark "Coronado." The drawing is lined for red and blue.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since May 3, 1940.

Reg. No. 402,416. Registered July 20, 1943. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn. Republished by Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware.

RY-BLEN-DO

The expression "Ry-Blen" is disclaimed apart from the mark as shown.
FOR RYE FLOUR AND WHEAT FLOUR MIXTURE.
Claims use since Dec. 14, 1942.

Reg. No. 410,640. Registered Dec. 5, 1944. SCHENLEY DISTILLERIES, INC., New York, N. Y. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

P-G-F

PRO-GRA-FLAV

FOR DISTILLERS' DRIED GRAINS USED FOR POULTRY FOOD.
Claims use since June 7, 1944.

Reg. No. 417,647. Registered Nov. 6, 1945. CAMARILLO CITRUS ASSOCIATION, Camarillo, Calif., a corporation of California. Republished by registrant.

CAMA-RIO

The drawing is lined for shading only.
FOR FRESH CITRUS FRUITS.
Claims use since May 19, 1945.

Reg. No. 419,074. Registered Feb. 5, 1946. NORTH DAKOTA MILL & ELEVATOR ASSOCIATION, doing business as North Dakota Mill & Elevator, and State Mill & Elevator, Grand Forks, N. Dak., an association of North Dakota. Republished by registrant.

BIG FIFTEEN

FOR WHEAT FLOUR.
Claims use since about Aug. 1, 1932.

Reg. No. 426,785. Registered Jan. 14, 1947. CAAR CANNING COMPANY, Redkey, Ind., a corporation of Indiana. Republished by registrant.

REDKEY

The drawing is lined for red.
FOR CANNED TOMATOES, CANNED TOMATO PUREE, CANNED JUICE, CANNED BEANS WITH PORK AND CANNED PEAS.
Claims use since August 1917.

Reg. No. 433,956. Registered Nov. 4, 1947. JEWETT & SHERMAN CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

VANSHERRI

FOR FOOD FLAVORING EXTRACT.
Claims use since 1942.

CLASS 47

WINES

Reg. No. 373,562. Registered Dec. 12, 1939. J. H. & J. BROOKE LIMITED, London, England, a limited liability company of Great Britain. Republished by registrant.

J. H. & J. Brooke

FOR WINES.
Claims use since 1900.

Reg. No. 376,017. Registered Mar. 12, 1940. SAN GABRIEL WINE CO., INC., New York, N. Y. Republished by Napa Valley Grape Products, Inc., New York, N. Y., a corporation of New York.

The drawing is lined for red.
FOR WINES.
Claims use since December 1938.

Reg. No. 433,040. Registered Aug. 20, 1946. UPLAND WINERY, Sunnyside, Wash., a firm. Republished by registrant.

UPLAND

FOR WINE.
Claims use since October 1936.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 95,334. Registered Feb. 10, 1914. MILWAUKEE-WAUKESHA BREWING COMPANY, Milwaukee, Wis. Republished by Fox Head Brewing Co., Waukesha, Wis., a corporation of Wisconsin.

FOR LAGER-BEER, ALE, STOUT, AND MALT TONIC.
Claims use since about June 4, 1894.

Reg. No. 100,633. Registered Oct. 20, 1914. THE GOTTLIEB BAUERNSCHMIDT STRAUS BREWING COMPANY, Baltimore, Md. Republished by The Globe Brewing Company, Baltimore, Md., a corporation of Maryland.

ARROW

FOR LAGER-BEER.
Claims use since Feb. 22, 1913.

Reg. No. 100,909. Registered Oct. 27, 1914. THE GOTTLIEB BAUERNSCHMIDT STRAUS BREWING COMPANY, Baltimore, Md. Republished by The Globe Brewing Company, Baltimore, Md., a corporation of Maryland.

ARROW

FOR LAGER-BEER.
Claims use since Feb. 22, 1913.

Reg. No. 129,228. Registered Jan. 27, 1920. TERRE HAUTE BREWING COMPANY, Terre Haute, Ind. Republished by Terre Haute Brewing Company, Inc., Terre Haute, Ind., a corporation of Indiana.

C.V.

FOR CEREAL MALT BEVERAGE.
Claims use since July 19, 1917.

Reg. No. 395,846. Registered June 16, 1942. FOX HEAD WAUKESHA CORPORATION, Waukesha, Wis. Republished by Fox Head Brewing Co., Waukesha, Wis., a corporation of Wisconsin.

FOX HEAD
OLD WAUKESHA

FOR ALE.
Claims use since Dec. 1, 1894.

Reg. No. 399,383. Registered Jan. 5, 1943. FOX HEAD WAUKESHA CORPORATION, Waukesha, Wis. Republished by Fox Head Brewing Co., Waukesha, Wis., a corporation of Wisconsin.

FOR LAGER AND PALE BEER.
Claims use since 1895.

Reg. No. 405,409. Registered Feb. 1, 1944. FOX HEAD WAUKESHA CORPORATION, Waukesha, Wis. Republished by Fox Head Brewing Co., Waukesha, Wis., a corporation of Wisconsin.

Fox Head
"400"

FOR BEER.
Claims use since July 30, 1935.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 316,760. Registered Sept. 4, 1934. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

TROUBADOUR

FOR WHISKEY.
Claims use since May 3, 1934.

Reg. No. 328,095. Registered Sept. 17, 1935. MARTELL & Co., Cognac, France. Republished by J. & F. Martell, Inc., New York, N. Y., a corporation of New York.

J&F.MARTELL

FOR BRANDY.
Claims use since 1873.

Reg. No. 343,353. Registered Feb. 16, 1937. SCHENLEY DISTRIBUTORS, INC., New York, N. Y. Republished by Schenley Distillers Corporation, New York, N. Y., a corporation of Delaware.

A A

FOR WHISKEY.
Claims use since Mar. 27, 1936.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 217,553. Registered Sept. 7, 1926. H. W. SELLE & Co., Chicago, Ill. Republished by American Excelsior Corporation, Chicago, Ill., a corporation of Delaware.

PROTEX

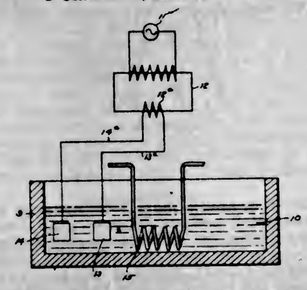
FOR PACKING PADS MADE OF EXCELSIOR OR SIMILAR PACKING MATERIAL AND HAVING A COVERING OF PAPER OR SIMILAR MATERIAL AND DESIGNED FOR USE IN PACKING OBJECTS FOR SHIPMENT.
Claims use since Dec. 15, 1922.

REISSUES

JANUARY 4, 1949

23,068
ELECTROLYTIC POLISHING OF STAINLESS STEEL

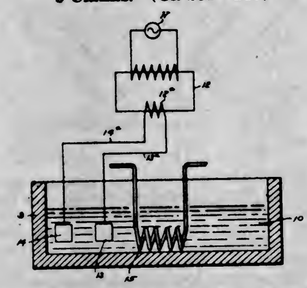
Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
Original No. 2,442,591, dated June 1, 1948, Serial No. 460,296, September 30, 1942. Application for reissue September 30, 1948, Serial No. 51,942
5 Claims. (Cl. 204—140)



1. In the polishing of a stainless steel product, the art which comprises, immersing the product to be polished in a bath containing by volume 80% to 40% of concentrated nitric acid and the remainder concentrated acetic acid, and while maintaining the bath at a temperature below 25° C. passing only alternating current through said bath between the product and a cooperating electrode immersed therein, the current density being at least ½ amperes per square inch of product surface.

23,069
ELECTROLYTIC POLISHING OF STAINLESS STEEL

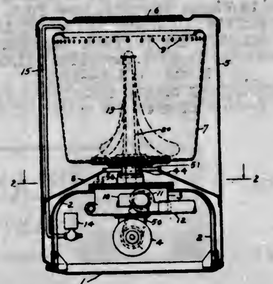
Alexander L. Feild, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
Original No. 2,442,592, dated June 1, 1948, Serial No. 635,451, December 17, 1945, which is a division of Serial No. 460,296, September 30, 1942. Application for reissue September 30, 1948, Serial No. 51,943
5 Claims. (Cl. 204—140)



1. The art of electro-polishing a stainless steel product which comprises, immersing the product to be polished in a bath containing by volume 80% or more of concentrated aqueous nitric acid (sp. gr. 1.40–1.42) and the remainder being water, and while maintaining the bath at a temperature below 25° C., passing only alternating current through said bath between the product and a cooperating electrode immersed therein, the current density being at least ½ amperes per square inch of product surface.

23,070
CLOTHES WASHER

Nelson H. Henderson, Syracuse, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original No. 2,301,046, dated November 3, 1942, Serial No. 361,324, October 15, 1940, which is a division of Serial No. 267,575, April 13, 1939. Application for reissue April 20, 1944, Serial No. 531,964
16 Claims. (Cl. 68—23)



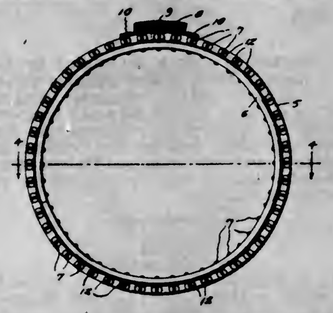
14. Driving mechanism comprising in combination a rotary driving member, two concentric driven members, the outer driven member forming an extended bearing for the inner driven member and being directly connected to a tub, the inner driven member being directly connected to an agitator within said tub and mechanism including an oscillatory device and means for oscillating the inner driven member actuated by said driving member for imparting oscillations to the inner driven member, mechanism tending at all times to transmit rotary motion to the outer driven member and means operable to render said last mentioned mechanism inoperative including a friction brake and to permit said first mechanism to transmit oscillations to said inner driven member.

23,071
HAND LOOM

Monte K. Durrin, Little Rock, Ark.
Original No. 2,409,743, dated October 22, 1946, Serial No. 563,511, November 15, 1944. Application for reissue April 29, 1948, Serial No. 25,980
3 Claims. (Cl. 28—15)

1. A hand loom comprising an outer frame, an inner frame, said inner frame being provided with a multiplicity of outstanding work holding pins, the outer frame being provided with a

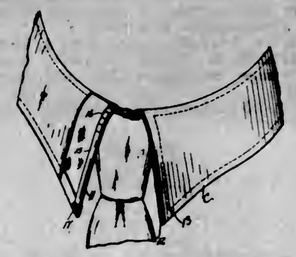
multiplicity of notches for receiving the outer ends of said pins to guard against work thread catching thereon, the outer frame being split and a resilient connector between the ends of said



outer frame, said resilient connector including a ridged guide, said guide having one edge notched to coincide with the notches of the adjacent edge of the outer frame.

23,072
SHIRT COLLAR SHAPING DEVICE
Max M. Newman, New York, N. Y., assignor of one-half to Victor Newman, New York, N. Y.
Original No. 2,426,519, dated August 26, 1947, Serial No. 668,887, May 10, 1946. Application for reissue October 24, 1947, Serial No. 781,884
16 Claims. (Cl. 2—132)

4. Collar shaping means comprising a hollow, elongated section of metallic material, a fabric strip received within said hollow and clamped therein by said section, said fabric strip extending from both ends of said section, and a series of discrete, rigid members supported by one end of said fabric strip, said fabric strip extending past said rigid members whereby said collar shaping means is provided with soft tips at both ends thereof.



16. Collar shaping means comprising a flattened, elongated body member of rigid, frangible metallic material for stiffening a collar edge, and a fabric strip enclosed and clamped within by said flattened body member so as to extend throughout the length of said body member, said fabric strip further extending past at least one end of said body member.

PLANT PATENTS

GRANTED JANUARY 4, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

813
LIGUSTRUM PLANT
Fuller Tresca, Jacksonville, Fla.
Application December 17, 1946, Serial No. 716,692
1 Claim. (Cl. 47—59)

A new and distinct variety of Ligustrum plant substantially as herein disclosed, characterized by its generally low wide outline or configuration, by the greater density of its leaves and branches as compared with other varieties of *Ligustrum japonicum*, resulting from the presence of a substantially greater and more closely spaced number of branches and leaves of smaller size, and by the gracefully arching and downwardly recurving habit of its branches, whereby an overall weeping appearance is presented.

PATENTS

GRANTED JANUARY 4, 1949

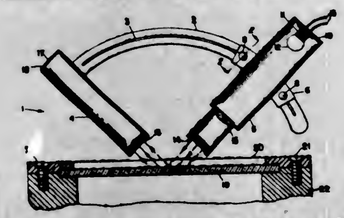
2,457,797
PROCESS FOR THE PREPARATION OF A PIGMENT COMPLEX, INCLUDING A REACTED STARCH
William L. Craig, Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 16, 1945, Serial No. 599,957
2 Claims. (Cl. 106—306)

2. A process for preparing pigments comprising reacting raw starch at a temperature approximating 20–25° C. with calcium chloride in an aqueous medium, the concentration of calcium chloride in said aqueous medium being in excess of approximately 35% by weight on the aqueous component, and thereafter reacting with the aqueous reaction product of this first step an aqueous solution of a salt of the class consisting of sodium carbonate and sodium tetraborate, and separating the precipitated carbonate or borate complex from the aqueous reaction medium.

2,457,798
PRODUCTION OF TIN FLUOBORATE
Alfred L. Ferguson, Ann Arbor, Mich., assignor to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan
No Drawing. Application March 18, 1944, Serial No. 527,149
2 Claims. (Cl. 23—59)

1. The method of producing tin fluoborate, which comprises mixing fluoboric acid and cupric oxide, heating the resulting mixture to dissolve the cupric oxide and form a solution of copper fluoborate, adding to the said solution metallic tin to react with the solution and produce tin fluoborate and precipitating metallic copper from the solution.

2,457,799
INSTRUMENT FOR DETECTING STRAIN IN TRANSLUCENT MATERIALS
Orville L. Altenberg, Long Beach, Calif.
Application January 28, 1946, Serial No. 643,952
1 Claim. (Cl. 88—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

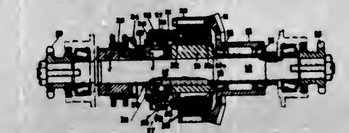


An instrument for detecting mechanically impressed strains in translucent materials including an arcuate guide bracket, a cylindrical light projecting tube overlying the bracket and having its longitudinal axis disposed radially of the arc about which said bracket is curved, clamp means for adjustably fastening the tube to the bracket whereby said tube is movable through an arcuate path longitudinally of said bracket, an electrical lamp in the outer end of the tube, a plate of polarizing material closing the inner end of said tube, a lens interposed between the lamp and plate for condensing and directing light rays from said lamp through said plate, a cylindrical light receiving tube carried by one end of the bracket and having its longitudinal axis disposed radially of the arc about which said bracket is curved, the receiving tube being disposed in the plane of movement of the projecting tube and having an axial sight opening in its outer end, and a plate of polarizing material closing the inner end of said receiving tube, said plates of polarizing material having their polarization planes set substantially at right angles, said tubes being positionable with respect to a sheet of translucent material so that emitted polarized light rays are directed at an angle through the translucent material to be tested and reflected into said light receiving tube, the presence of stresses being detectable by the reflection of feathery light.

2,457,800
SELF-SEALING VENT CAP
Joseph W. Allen, Washington, D. C.
Application October 16, 1944, Serial No. 558,899
5 Claims. (Cl. 137—139)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a self-sealing vent cap for storage battery cells or the like having a hollow cap with an opening for establishing communication between the cap and the atmosphere; a resilient external valve seat for said opening, a valve for said seat, and weight means in said hollow for releasably holding said valve on its seat in either the upright or inverted positions of said cap.

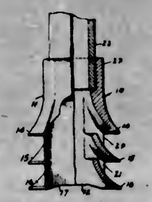
2,457,801
FRICTION CLUTCH WITH ADJUSTMENT FOR TORQUE TRANSMITTING CAPACITY
Charles F. Ball, Franklin, Pa., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application September 20, 1944, Serial No. 554,994
15 Claims. (Cl. 192—54)



1. In a friction clutch having a series of clutch discs, the combination of a pressure plate, an adjusting member bolted to said pressure plate,

springs under compression disposed between said pressure plate and said adjusting member, and means for moving said pressure plate axially into and out of loading pressure applying relation to said clutch discs including a member sliding axially, to which member said adjusting member is attached for movement as the former slides and relative to which member said adjusting member is axially adjustable to different fixed relations.

2,457,802
SILENCER AND RECOIL REDUCER FOR FIREARMS
August Bauer, Beechhurst, N. Y.
Application June 6, 1944, Serial No. 538,981
1 Claim. (Cl. 89—14)



Recoil reducing means for firearms, comprising a structure having at one end means for securement to the muzzle of the firearm to form an axial extension thereof, said structure having spaced upper and lower imperforate walls defining an axial bore for the passage of a bullet; and a succession of mutually spaced pairs of vanes of airfoil cross section connecting said upper and lower walls at diametrically opposite sides of said structure to define a plurality of side openings therefor, said vanes curving forwardly and outwardly of the bore of the structure; the mutual spacing between successive pairs of vanes decreasing toward the discharge end of the structure, and the spacing between the inner ends of each pair of vanes, measured transversely across the bore, increasing successively from the muzzle end to the discharge end of the structure.

2,457,803
SPRING CLIP FABRIC AMMUNITION BELT
Guy T. Bixby, Dayton, Ohio
Application August 19, 1944, Serial No. 550,295
8 Claims. (Cl. 89—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

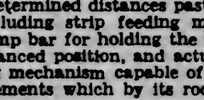
1. An ammunition belt comprising a body having a plurality of fabric cartridge-receiving means including a plurality of cartridge pockets each having a longitudinal axis, and a plurality of separate spring rings, one for each cartridge pocket, anchored to said body and constructed and arranged to encircle each said cartridge pocket in a plane normal to said longitudinal axis to at least indirectly and individually grip cartridges disposed in said receiving means.

2,457,804
SYNTHETIC BLOOD SUTURE AND METHOD
John O. Bower, Wyncote, Pa.
No Drawing. Application July 29, 1944, Serial No. 547,317
20 Claims. (Cl. 128—335.5)

3. An extruded surgical suture, the structural basis of which comprises, as a major component, the non-volatile residue of the corpuscular portion of blood.

2,457,805
ALIPHATIC ESTERS OF 2,4,5-TRICHLOROPHENOL
Arthur R. Cade, Rutherford, and William S. Gump, Upper Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application November 2, 1946, Serial No. 707,520
4 Claims. (Cl. 260—479)

1. Novel chemical compounds having the structural formula:



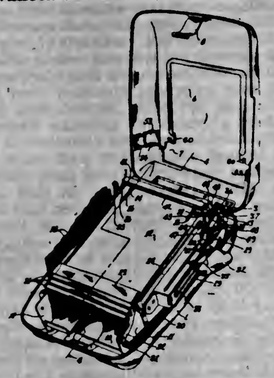
wherein R is a member selected from the group consisting of H and an alkyl radical containing not more than eleven carbon atoms.

2,457,806
INDUCTANCE COIL
Eugene R. Crippa, United States Army
Application June 11, 1946, Serial No. 676,051
2 Claims. (Cl. 175—359)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An inductive element having high inductance and low external field, comprising; a non-magnetic, insulating form, a closely wound coil positioned intermediately thereon, and a high permeability coating applied externally to the form and coil, in part impregnating interstices of the latter and extending therefrom along the form.

2,457,807
AUTOGRAPHIC REGISTER
John T. Davidson and John H. Kroemer, Dayton, Ohio, assignors to The Standard Register Company, Dayton, Ohio, a corporation of Ohio
Application May 21, 1942, Serial No. 443,944
10 Claims. (Cl. 282—18)

9. An autographic register wherein continuous strips of record material are progressively advanced predetermined distances past a recording position, including strip feeding mechanism, a movable clamp bar for holding the record strips in their advanced position, and actuator for the strip feeding mechanism capable of rocking and sliding movements which by its rocking motion elevates the clamp bar to release the record strips for advancement and by its sliding movement

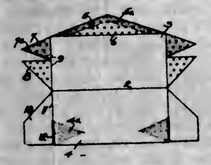


actuates the strip feeding mechanism to advance the record strips.

2,457,808
FLUORESCENT RED CELLULOSE ACETATE FIBERS
Robert G. Dort, Summit, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 14, 1945, Serial No. 582,811
2 Claims. (Cl. 8—57)

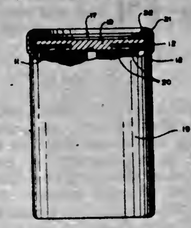
2. Colored, fluorescent cellulose acetate filamentary materials of high color intensity under visible as well as ultra-violet illumination having a finely divided pigment consisting of zinc sulfide fluorescent in a red color incorporated therein and colored with a fluorescent dyestuff consisting of the hydrochloride of diethyl-m-amino-phenolphthalein.

2,457,809
ENVELOPE HAVING TAMPER DETECTION MEANS
Donald L. Drummond, Santa Maria, Calif.
Application August 23, 1945, Serial No. 612,192
5 Claims. (Cl. 229—83)



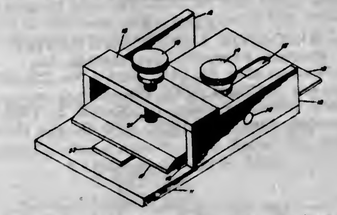
1. An envelope including a piece of material folded upon itself to form a front and a rear panel, a perforated flap integral with the extremity of the front panel remote from the fold, said flap being folded back over the rear panel, adhesive means for attaching the flap to the rear panel, inwardly folded perforated tabs on opposite sides of the front panel extending between the latter and the rear panel, inwardly folded ears on opposite sides of the rear panel between the latter and the front panel, adhesive means for securing the tabs and ears on each side to one another and both ears to the inner face of the rear panel, at least one of the adhesive means including a layer of impregnated paper adhesively attached to one portion of the envelope, a piece of indicator paper adhesively attached to the impregnated paper whereby discoloration of the indicator paper may be observed through the perforations, and a layer of adhesive on the outer face of the indicator paper for securing it to another portion of the envelope.

2,457,810
SEALING DEVICE FOR DRY CELLS
Grenville B. Ellis, Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 10, 1945, Serial No. 592,952
4 Claims. (Cl. 136—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a primary cell comprising a metallic container, electrodes and an electrolyte within the container, the combination of a metallic disc on one of the electrodes, a grommet insulating the disc from the container, said disc and grommet having opposed annular interfitting channels each sealingly receiving a portion of the other.

2,457,811
WORK HOLDING DEVICE
Albert F. Emrich, Valley Stream, N. Y.
Application May 22, 1945, Serial No. 595,219
1 Claim. (Cl. 144—290)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

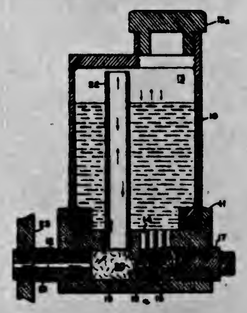


A work holding device comprising a base plate and two parallel side plates, a squaring plate slidably contained within said side plates and resting upon said base plate, said sliding plate being in slidable and lockable engagement with said base plate, a clamping plate contained within said side plates and rotatably mounted about an axis normal to said side plates, said axis being spaced above said base plate sufficiently to permit the clamping portion of said clamping plate to be nearer said base plate than other portions of said clamping plate are, whereby said clamping plate may be brought to bear on work less high than said plate and positioned on said base against said squaring plate, and adjustable means for moving the said clamping portion of said clamping plate into and out of proximity with said base plate.

2,457,812
STORAGE AND DISPLAY BOX
Thomas Byrd Epps, Boston, Mass.
Application June 14, 1945, Serial No. 599,894
3 Claims. (Cl. 206—45.13)

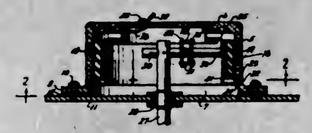
1. A box of the character described made from sheet material and having, in combination, a body comprising a bottom wall in the form of a right-angled parallelogram; a perpendicular rear wall; two spaced-apart box-like side walls at opposite sides of said bottom wall each of which is connected with the proximate side of said bottom wall and also with the proximate end of said rear wall; an adjustable easel disposed between said side walls comprising a panel that is hingedly connected at its one end with the front of said bottom wall and also comprising a single prop panel hingedly connected with said first-mentioned easel panel; an adjustable cover flap hingedly connected at its one end with said rear wall and providing a closure for the top and front of said body when occupying its closed position, and a flexible link connecting said prop panel and cover flap through which the latter acts when opened to adjust the prop panel into a position where it supports said hinged panel of the easel in an elevated position where it is fully exposed to view from the front.

2,457,813
LUBRICATOR AND MIXING DEVICE
Howard Avery Flagge, Norfolk, Va.
Application May 24, 1945, Serial No. 595,622
1 Claim. (Cl. 184—55)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



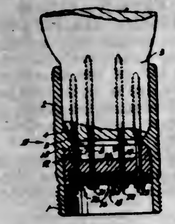
A lubricator for feeding lubricant into a fluid chamber wherein successive pulsations in fluid pressure recur, said lubricator comprising a housing having a lubricant reservoir therewithin, said housing having a reservoir replenishing opening at the top thereof, a plug for sealing said opening, a standpipe extending vertically through said reservoir to adjacent the top thereof, a base on which said reservoir housing is mounted, a chamber in said base to which chamber said standpipe is connected, a loosely packed wick in said base chamber, a restricted passage connecting said base chamber to the fluid chamber to be lubricated, a second chamber in said base, a restricted opening connecting said base chambers together, a tightly packed wick in said second base chamber and a passage between said second base chamber and the bottom of said lubricant reservoir, whereby pressure pulsations may pass through said restricted passage to said first base chamber and through said standpipe to the top of said reservoir, and lubricant from said lubricant reservoir may pass down through said second base chamber from said passage therebetween, slowly through the tightly packed wick and through said restricted opening connecting said base chambers to said first base chamber to be picked up and carried by said pressure pulsations passing therethrough back to the fluid chamber to be lubricated.

2,457,814
SEALED POTENTIOMETER
Irving Gordy, Eatontown, N. J.
Application August 9, 1946, Serial No. 689,355
6 Claims. (Cl. 201—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



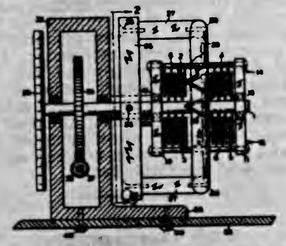
1. In a device of the class described, a tubular casing closed at one end with an opening in the opposite end thereof, a resistance strip mounted within the casing, a nonporous metallic tubular diaphragm mounted within the casing between the resistance strip and the opening and being normally closely spaced from said resistance strip, said diaphragm being secured at the outer end sealed to the casing, annular flexible sealing closure means formed at the inner end of the tubular diaphragm and extending from said end in sealing engagement with the closed end of the casing to protect and hermetically seal the resistance strip within the casing between the diaphragm and the inner wall of the casing, terminal posts extending through the casing wall and secured airtight therein, one post being electrically connected at its inner end with said diaphragm and another post extending into the closed space between the casing wall and the diaphragm and connected with said resistance strip, and rotatable shaft operating means extending centrally of the diaphragm and concentrically of the casing having means thereon to force a portion of the diaphragm into electrical contact with a selected part of the resistance strip to establish an electrical circuit including the resistance strip in the circuit of the device from said terminal posts through said diaphragm and said resistance strip.

2,457,815
PROPELLER BLADE ATTACHMENT
Marvin C. Green, Dayton, Ohio
Application August 2, 1944, Serial No. 547,762
11 Claims. (Cl. 170—173)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



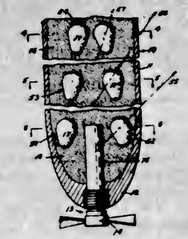
1. In a propeller mount, a propeller blade having a shank, a hub member having ferrule means receiving the shank of said propeller blade, and means for securing the propeller blade shank to said hub member comprising a plate member associated in fixed relation with said hub member and having a recess in one face thereof opposite the hub member ferrule means, compression plate means slidingly disposed in and completely covering said recess and capable of tilting action, an elastic material confined within and completely filling said recess between said compression plate means and the walls of said recess and adapted to flow in the manner of an incompressible liquid, and a plurality of tension members bearing on the compression plate means with a portion passing through the compression plate means, elastic material and plate member and secured to said propeller blade shank and operative to compressively stress said elastic material between said compression plate means and said plate member when said tension members are tensilely stressed.

2,457,816
VARIABLE PERMEABILITY TUNER
Henry H. Grimm, Dayton, Ohio
Application February 27, 1945, Serial No. 580,062
3 Claims. (Cl. 250—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



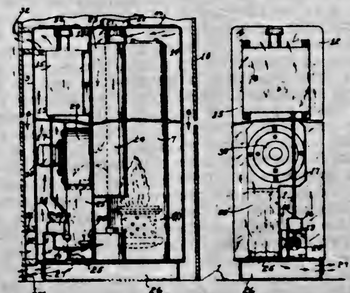
1. Radio apparatus for tuning over a wide band of resonant frequencies comprising in combination variable capacitance and inductance means mechanically and electrically coupled, said variable capacitance means comprising split stator plates and split rotor plates, the split rotor plates being dielectrically mounted with respect to said split stator plates on a rotatable shaft, said inductance means comprising a plurality of symmetrically arranged inductance coils supportively mounted on said variable capacitance means and electrically coupled with said split stator plates to be in parallel with said variable capacitance means, a yoke member secured to said rotatable shaft and rotatable in unison therewith, a resonance changing annular member mounted on said yoke member and circumferentially extending through the inductance coils axially thereof, means for rotating said shaft for circumferentially rotating said annular member with respect to the axial lengths of said coils simultaneously with the rotation of the split rotor plates.

2,457,817
BOMB
Garland L. Harrell, Hurst, Ill.
Application March 31, 1944, Serial No. 528,999
5 Claims. (Cl. 102—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an explosive projectile, a main bursting charge, a plurality of secondary projectiles completely embedded in said main charge as a supporting matrix, each secondary projectile comprising a hollow body of fragmentizable material and containing an explosive charge, a delay action fuse extending into said explosive charge, including a primer and firing pin, said pin having a portion extending to a point adjacent the periphery of said body, and a shell of yielding cushioning material completely inclosing said body and having a portion adjacent the firing pin constructed and arranged to yield in response to the force of the explosion of the main bursting charge to operate said pin to cause the explosion of the secondary projectile.

2,457,818
DOWNWARD FORCED FLOW AIR HEATER FOR ROOMS
Sidney J. Heiman, St. Louis, Mo.
Application December 7, 1944, Serial No. 567,025
4 Claims. (Cl. 126—110)



1. A unit space heater comprising an upright cabinet adapted to be supported on the floor of

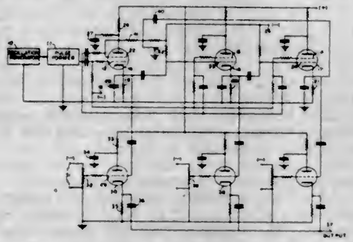
the room to be heated and having an upper and a lower opening into said room, an upright partition within said cabinet and engaging along the interior of the same to form a first and a second compartment sealed from one another, an upright combustion drum in the first of said compartments and having a flue extending therefrom for carrying off products of combustion, an upright duct within said first compartment and engaging said drum to form an upright heated air passageway with the latter and extending to adjacent the top of said drum, said duct communicating at its upper and lower ends with said upper and lower openings respectively of the cabinet and communicating with the second compartment through said partition, means in the second compartment for forcibly passing air downwardly through said passageway from said upper opening into the room through said lower opening, said cabinet having an air inlet therethrough into said second compartment adjacent its lower end and an air outlet therethrough adjacent the upper end of said compartment for directing an independent supply of air upwardly therethrough and cooling said last-mentioned means.

2,457,819

SIGNAL GENERATION SYSTEM

Conrad H. Hoeppner, Washington, D. C.

Application November 14, 1946, Serial No. 709,857
5 Claims. (Cl. 332—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A signal generator device for producing a series of intelligence conveying pulse type signals in which each of the signals is individually spaced from a preceding reference signal in accordance with intelligence to be conveyed, comprising; means producing a series of accurately spaced timing signals, individual primary gaseous electron tubes for each intelligence quantity to be conveyed, means interconnecting the primary electron tubes in a tandem manner so that one tube may be controlled in operation by a preceding tube of the tandem in accordance with the timing signals, enabling means permitting initiation of conduction in a primary electron tube for a first quantity in accordance with a first timing signal, individual secondary gaseous electron tube means for each intelligence quantity to be conveyed, separate integrator means connecting each of said secondary tubes to a corresponding primary tube, said last named means being operative to render each of said secondary tubes conductive in response to the establishment of conduction in the corresponding primary tube but time delayed therefrom, the time delay being in duration dependency on the corresponding intelligence quantity to be conveyed, a common output channel, and means delivering a signal into the common output channel in response to a change in conductivity conditions of the secondary electron tubes.

2,457,820

AMINO ACID SOLUTION AND PROCESS FOR PREPARING THE SAME

Eugene E. Howe, Linden, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application December 27, 1945, Serial No. 637,498
3 Claims. (Cl. 167—65)

1. An aqueous amino acid solution for parenteral, rectal, and oral administration containing not more than 5% of the essential amino acids in the inactive d-form, solid components of said solution being free of dicarboxylic acids and comprising the natural essential amino acids leucine, isoleucine, phenylalanine, valine, methionine, threonine, arginine, histidine, and lysine, racemic essential amino acids including tryptophane, and the non-essential amino acid glycine.

2,457,821

TRACTOR POWER PLANT AND DRIVE WHEEL UNIT

Alfred C. Johnson, San Jose, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware

Application April 21, 1945, Serial No. 589,611
11 Claims. (Cl. 180—52)

9. A tractor, comprising: a frame structure including a forwardly directed motor mounting bracket and a vertically disposed pivot means; a transmission incorporated in said frame structure and including a forwardly directed drive shaft, laterally directed axles and drive means between said shafts and axles; juxtaposed traction wheels for said axles; a motor mounted on said bracket; a control for said motor including a cable extending therefrom through the axis of said pivot means; a trailing unit including trailing wheels, and a frame having a journal fitting said pivot means; a steering member mounted on said pivot means; a steering wheel mounted on said frame and a drive connection between said steering member and steering wheel.

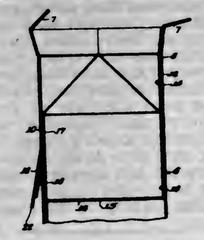
2,457,822

MILK CONTAINER

John Paul Jones, Omaha, Nebr., assignor to Dairy Specialties, Inc., Omaha, Nebr., a corporation of Nebraska

Application April 26, 1944, Serial No. 532,774
4 Claims. (Cl. 229—7)

1. In a cream separating milk container, a receptable having a wall opening extending upwardly from the cream level with a partially severed closure tongue, a cream separating partition secured within the container at the lower cream level and having upward wall attached extremities, one of which seals the opening in the wall of the container and provided with a frangible



closure tongue secured to and opened by the corresponding tongue of the container.

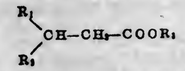
2,457,823

PRODUCTION OF PYRAZOLONE AZO DYES

John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, Essex, England, a British company

No Drawing. Application November 29, 1945, Serial No. 631,792. In Great Britain December 1, 1944
6 Claims. (Cl. 260—159)

1. A process for the production of azo dyestuffs which comprises reacting a diazonium compound with a compound of the formula:



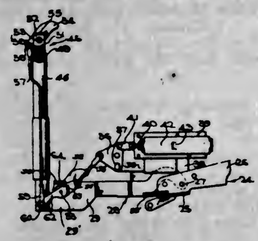
where R_1 and R_2 are each selected from the class consisting of —CN, —COOH, —COOalkyl, —COalkyl, —COaryl, —$CONH_2$, —CONHalkyl, and —CONHaryl, and R_3 is selected from the group consisting of hydrogen and alkyl, the said reaction with the diazonium compound being effected in the presence of strong alkali and the said diazonium compound being present in a proportion of at least two molecular equivalents per molecular equivalent of the compound of the aforesaid formula.

2,457,824

GUN MOUNT WITH FOLDABLE FIRING CONTROL FRAME

John H. Kochevar, Bisbee, Ariz.

Application May 4, 1945, Serial No. 592,052
2 Claims. (Cl. 89—136)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A gun mount for machine guns and the like, comprising a gun cradle having right and left rearwardly diverging frame portions terminating rearwardly of a gun mounted in said cradle, a generally rectangular extension frame comprising parallel side members and a transverse member rigidly connecting said side members adjacent one of their ends, each said side member being pivoted at its other end, on a common first axis, upon the rear end of a respective frame portion, whereby said extension frame may be pivoted from a first upright position at the rear of and extending above said gun, to a second position beneath and closely adjacent said cradle, a lower grip carried by one said frame portion, a first lever pivoted on said one frame portion on a second axis, means responsive to pivotal movement of said first lever in one direction only to fire a gun carried by said cradle, an operating connection between said lower grip and first lever, a second lever pivoted on said second axis, a lost motion connection between said levers whereby motion of said second lever in said one direction only correspondingly pivots said first lever, an upper grip on said extension frame having a part pivoted on a third axis, and a link connected to said part at one end and pivoted at its other end to said second lever on an axis normally coincident with said first axis, whereby either grip may be used to fire said gun.

2,457,825

ACYLATING THIOPHENE

Alvin I. Kosak, Columbus, Ohio, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application September 28, 1945, Serial No. 619,250
17 Claims. (Cl. 260—329)

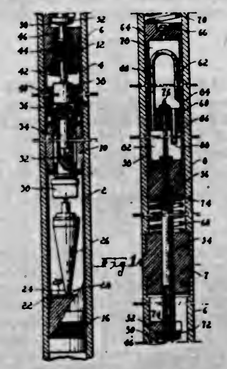
1. A process for nuclear acylation of an acylatable thiophene, comprising reacting an acylatable thiophene with an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids in the presence of an iodine catalyst.

2,457,826

WELL SURVEYING DEVICE

Gottdank L. Kothny, Strafford, Pa., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware

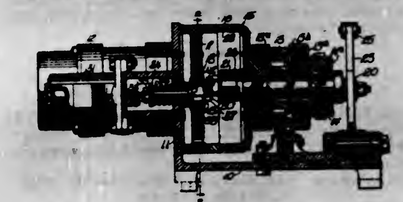
Original application July 22, 1943, Serial No. 495,709. Divided and this application February 19, 1947, Serial No. 729,463
4 Claims. (Cl. 33—205.5)



4. In combination with a well surveying instrument having electrical recording means therein, a protective casing therefor, timing

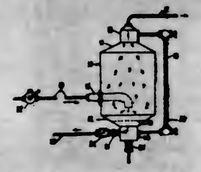
means for said instrument located within said protective casing, resilient means reacting between the casing and the timing means for supporting the timing means within the casing, and means releasably mechanically suspending the well surveying instrument from the timing means, the last mentioned means providing an electrical connection between the timing means and the well surveying instrument insulated from the casing, and said resilient means being located between the timing means and the well surveying instrument.

2,457,827
ONE-REVOLUTION LATCH-OPERATED CLUTCH
Cecil P. Love, Rock Island, Ill.
Application July 14, 1945, Serial No. 605,172
6 Claims. (Cl. 192—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



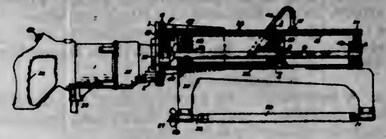
1. In an actuator for a gun firing mechanism, a driving drum, a driven shaft, base means journaling said drum and shaft for rotation about a common axis, a bearing on said shaft eccentric of said axis, a clutch unit journaled on said bearing and having a part engageable with the inner periphery of said drum, a projection on said unit offset therefrom parallel with said axis, a control element slidable on said base means parallel with said axis, said element having first and second lugs spaced parallel with said axis and also spaced circumferentially of the path of said projection to permit said projection to pass therebetween, power means operable to move said element between first and second positions wherein said lugs lie in the path of said projection respectively, said lugs overlapping in said axial direction; and actuator means connected for operation by and in response to rotation of said shaft.

2,457,828
MARINE FUEL SYSTEM
Edward C. Lloyd, Silver Spring, Md.
Application February 1, 1945, Serial No. 575,721
7 Claims. (Cl. 210—51)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



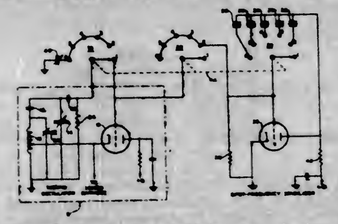
1. A fluid separating system for fluids of different specific gravities comprising, a pump, a fluid supply line leading to the pump, a closed chamber in which said fluids separate by gravity interposed in said supply line, said chamber having an inlet delivering into the chamber, a main fluid outlet delivering fluid of one specific gravity from the chamber through said supply line to the pump, an auxiliary outlet for fluid of another specific gravity delivering from the chamber, valve means for said outlet, and means for increasing the rate of flow into the chamber to a value greater than the rate of flow from the chamber to the pump to forceably expel said fluid of another specific gravity from the chamber through the auxiliary outlet when said valve means is open, the last said means comprising a second pump interposed in the portion of said fluid supply line leading to the chamber.

2,457,829
POWER-DRIVEN HAND HACKSAW
Charles D. Miller, Davenport, Iowa
Application June 2, 1944, Serial No. 538,671
4 Claims. (Cl. 29—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



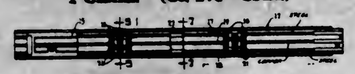
3. In a power-driven hand hacksaw, an elongated tubular housing having a slit extending at least a substantial distance along its length, a drive shaft rotatably mounted in said housing and having on its periphery spirally extending guide structure doubled back on itself to provide an endless and returning guide, a frame for mounting a saw blade or the like, a plurality of spaced apart hanger members projecting from the general top portion of said frame and extending into said housing through the slit therein, a bearing on each of said hangers rotatably receiving said drive shaft, anti-friction means of each of said hangers riding in engagement with the inner surface of said housing for transmitting to said housing thrust applied to said frame during operation of said hacksaw, and a swivelly mounted follow member supported by one of said hanger members adapted to travel to and fro in engagement with said guide of the drive shaft as the latter is rotated.

2,457,830
SPOT FREQUENCY OSCILLATOR SYSTEM
George F. Moynahan, Jr., Sacramento, Calif.
Application March 5, 1946, Serial No. 652,211
8 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



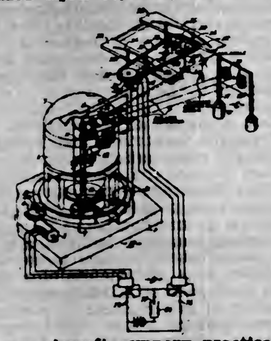
1. The method of stabilizing an electron tube oscillator, having a load circuit which is tunable over a predetermined frequency range, at at least one frequency within said range, comprising the steps of altering the circuit of said oscillator to function as a radio-frequency amplifier tuned by said load circuit, tuning said load circuit to said one frequency, and impressing stable oscillations upon said amplifier, said one frequency having a harmonic relation to said stable oscillations.

2,457,831
ELECTRICITY CONDUCTOR UNIT
Joseph F. O'Brien, Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application June 9, 1943, Serial No. 490,146
1 Claim. (Cl. 173—324.1)



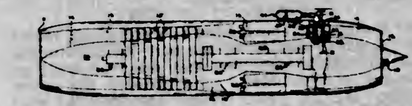
An electrical conductor unit of a seriatim system of conductor units, comprising a preformed raceway housing of insulating material provided with three conductor-carrying channels; three electrical conductors fitting within the respective conductor-carrying channels, two of said conductors being of ferrous metal and one being of copper; a jumper disposed within said housing and electrically connecting the said two ferrous conductors in parallel; and a pair of outlet terminals serving a pair of plug-insert openings of said housing, one of said terminals being electrically connected to one of the said ferrous conductors, and the other of said terminals being electrically connected to the said copper conductor.

2,457,832
AIRCRAFT GUNNERY PRACTICE RANGE
Fred S. Peerman, Washington, D. C.
Application June 2, 1945, Serial No. 597,292
17 Claims. (Cl. 35—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



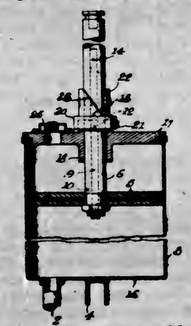
1. In an aircraft gunnery practice range, a rotary support disposed to rotate about a substantially fixed vertical axis, a fixed scoring target, a sighting target movably disposed above said rotary support at one side of the said vertical axis to move in a predetermined path in a vertical plane extending substantially radially toward said vertical axis, adjustable control means for controlling the rate of rotation of said rotary support about said vertical axis and adjustably controlling the rate of movement of the sighting target toward said rotary support, and a gun mounted on said rotary support to swing in azimuth substantially about the aforesaid vertical axis independently of rotation of the rotary support and in elevation, said gun having sighting means thereon with a sighting axis disposed in registration with the sighting target when the axis of the gun is in registration with said scoring target.

2,457,833
CARTRIDGE STARTER FOR COMBUSTION GAS TURBINES
Arnold H. Redding, Swarthmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 3, 1943, Serial No. 474,522
3 Claims. (Cl. 60—49)



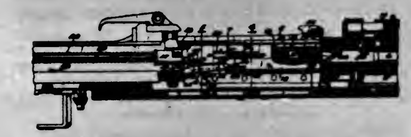
1. In combination with a gas turbine power plant comprising a stator and rotor with the rotor carrying at least one row of axial flow blading and the stator including inner and outer structures providing an axial flow annular passage, and apparatus within said annular passage and driven by said rotor for supplying motive fluid to said blading for driving the rotor; of starting means for the plant comprising a circumferential row of nozzles formed in said outer structure outward of said blading, said nozzles being arranged to direct a gas at high velocity against said blading to secure rotation of said rotor independently of said motive fluid, and means for supplying gas under pressure to said nozzles, said last-mentioned means including an annular chamber carried by said structure and means utilizing a cartridge to provide gas under pressure for said chamber.

2,457,834
CONTROL DEVICE FOR VACUUM CYLINDERS
Howard E. Ricketson, United States Army
Application October 25, 1945, Serial No. 624,633
5 Claims. (Cl. 121—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



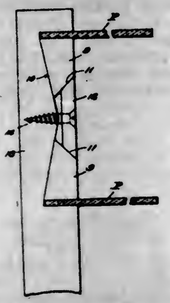
1. A vacuum cylinder assembly comprising a vacuum cylinder provided with a closure at both ends, a piston disposed within said cylinder, means for connecting one end of said cylinder with a source of vacuum, a piston rod extending through the other end of said cylinder and connected to said piston, a check valve permitting a rapid exhaust flow from the cylinder to the atmosphere, said check valve carried by the last-named end of said cylinder, and means for metering atmospheric air through said piston rod.

2,457,835
GUN BOLT
Sigmund Schiff, Cincinnati, Ohio
Application December 5, 1945, Serial No. 633,031
5 Claims. (Cl. 89—191)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



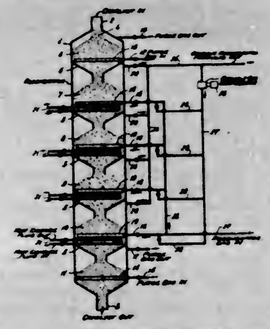
3. A gun bolt comprising a breechblock forming the lower section of the bolt, an upstanding wall on said breechblock and provided with an opening, a breechblock slide forming the upper section of the bolt, means attached to said breechblock slide for moving the same rearwardly, and spring means connecting the breechblock and breechblock slide for limited lengthwise sliding movement of the breechblock slide relatively to the breechblock, said breechblock and breechblock slide having complementary recesses forming a bore, a spring projected firing pin contained in the bore and adapted to be projected through the opening in said upstanding wall, and engaging shoulders on the breechblock slide and firing pin for retracting the firing pin from the opening when the breechblock slide is moved rearwardly relatively to the breechblock.

2,457,836
JOINT
Hasen A. Schofield, San Francisco, Calif.
Application April 20, 1945, Serial No. 589,289
3 Claims. (Cl. 20—0.5)



1. In an article of knock-down furniture a structural element having an elongated recess terminating at opposed shoulders, the inner wall of the recess having surfaces converging to a peak, whereby the recess gradually increases in depth from said peak to the respective shoulders, panel elements bearing against the respective shoulders and extending straight into the recess, spacing means interposed between the panel elements and positioned in the recess, said spacing means having a recess the walls of which converge along straight lines at an angle of lesser degree than the angle of the converging surfaces of the first-named recess whereby, when the said spacing means is positioned in the first-named recess and between the panels, the middle portion thereof will be spaced from the peak in the first-named recess, and means accessible between the panels for drawing the middle portion of the recessed spacing means toward the inner wall of the recess in the structural element, thereby to distort the spacing means and expand it longitudinally to bind upon the inserted panels.

2,457,837
MULTISTAGE REGENERATION OF A MOVING BED CATALYST
Thomas P. Simpson, Woodbury, and Charles V. Hornberg, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 21, 1943, Serial No. 487,900
2 Claims. (Cl. 252—242)



1. In a process for regenerating a moving substantially compact column of particle form solid contact mass material contaminated by combustible carbonaceous deposit by burning of the deposit wherein the burning tends to occur in a narrow flame front along at least the intermediate portions of the column length the improvement which comprises the following steps: flowing the particle form solid material as a substantially compact, vertical, continuous column downwardly through a series of regeneration zones, each of said zones being in free solid flow communication with adjacent zones, supplying spent contact material to the uppermost zone at a temperature substantially below that desired for the regeneration, withdrawing regenerated contact material from the lowermost zone, independently introducing a regeneration gas to each of said zones to pass through the solid material therein, independently withdrawing gaseous regeneration products from each of said zones while substantially excluding its interflow between zones, causing the contact material temperature to rise quickly to an effective burning temperature in said uppermost zone and maintaining the solid material in each zone at a temperature suitable for combustion of said carbonaceous deposit but below a temperature which would cause heat damage to said solid material, effecting a spread of the burning flame front in zones lying intermediate the uppermost and lowermost zones substantially throughout said zones by recycling a controlled amount of gaseous products of regeneration only to said intermediate zones, the recycled gaseous products of regeneration being introduced to each of the intermediate zones independently of their introduction to the other of said intermediate zones, and said products of regeneration being introduced into each of said intermediate zones at a rate controlled independently of the rate of regeneration gas introduction thereinto.

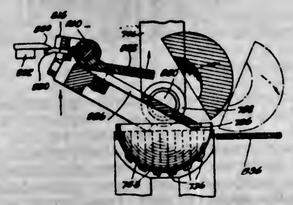
2,457,838
FLUORESCENT CELLULOSE ACETATE FILAMENTS
Richard E. Sitzler and George E. Dennison, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application May 4, 1946, Serial No. 667,499
2 Claims. (Cl. 8—50)

1. In a process for the production of colored, fluorescent cellulose acetate filamentary materials exhibiting substantially the same color under visible as well as ultra-violet illumination, the step of dyeing the cellulose acetate textile material having incorporated therein a finely divided pigment consisting of zinc sulfide fluorescent in a red color with a dyebath comprising p-nitro-benzene-azo-4-methyl-2-di - hydroxyethyl - aminobenzene, water and sulfonated ricinoleic acid.

2,457,839
ROCKET
Leslie A. Skinner, United States Army, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application September 8, 1941, Serial No. 410,940
4 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

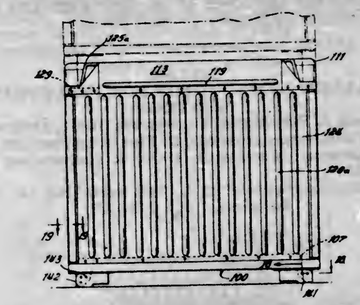
1. A pressure block for a rocket discharge tube comprising a body of frusto-conical shape adapted to engage the wall of said tube, means forming charge cups in each end of said body, means forming a diaphragm having a perforation therein between said cups, a delay element igniter in the charge cup in the rear end of said body, a delay element in said perforation, and a driving charge igniter in the charge cup in the forward end of said body.

2,457,840
DISCHARGING PEELED FRUIT FROM GROOVED CUPS OF HALF-FRUIT PEELING MACHINES
Henry A. Skog, Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg., a corporation of Oregon
Application July 23, 1942, Serial No. 452,052
39 Claims. (Cl. 146—241)



1. In a fruit treating machine, a cup for receiving fruit to be treated, a conveyor to which said cup is secured for carrying fruit received in the cup from a peeling station to a fruit discharging station, a peeling knife movable through the cup at the peeling station in juxtaposition to the fruit supporting surface of the cup, said cup having in its fruit supporting surface a plurality of grooves receiving a portion of the peeling displaced by the knife as it moves through the fruit, and fruit ejecting means comprising a fruit discharging member mounted to move through the cup at the fruit discharging station in direction transverse to said grooves whereby said grooves retain the peeling in the cup as said member moves through the cup to discharge the fruit from the cup.

2,457,841
FREIGHT CONTAINER
Leathem D. Smith, Richard A. Stearn, and Carl R. Christianson, Sturgeon Bay, Wis.; said Stearn and said Christianson assignors to said Smith; Alva Smith, administratrix of said Leathem D. Smith, deceased
Application May 7, 1945, Serial No. 592,376
15 Claims. (Cl. 220—1.5)

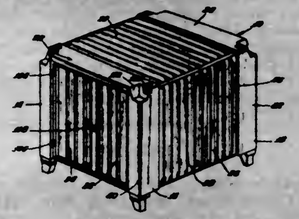


1. A freight container comprising a body having top, bottom and side walls, legs depending from said body, upwardly open leg sockets permanently mounted in the upper part of said container each in vertical alignment with a depending leg for seating similar legs of another container, side walls on the leg sockets which cooperatively hold the legs of a superposed container from lateral movement in any direction, and a lifting eyelet mounted within the recess of each leg socket and adjacent to the side walls of said sockets.

2,457,842
FREIGHT CONTAINER
Leathem D. Smith, deceased, late of Sturgeon Bay, Wis., by Alva F. Smith, administratrix, Sturgeon Bay, Wis., and Richard A. Stearn, Sturgeon Bay, Wis.; said Stearn assignor to Alva F. Smith, as administratrix of the estate of said Leathem D. Smith, deceased
Application October 4, 1946, Serial No. 701,102
11 Claims. (Cl. 220—1.5)

1. A fabricated metal freight container having a right parallelepiped shape comprising a rectangular bottom, a column vertically mounted on the bottom at each corner thereof, a leg pivotal around a horizontal shaft mounted on the bottom in vertical alignment with each column, two bases on each leg angularly spaced from each other with respect to the shaft and each in the same vertical line when in effective position, one base being at a greater distance from the shaft than the other base, each base being spaced from the container bottom when in effective position,

an upwardly open leg socket rigidly mounted on the top of each column in vertical alignment with whichever depending leg base is in effective position, side walls on said sockets which cooperatively engage either base of the legs of a superposed similar container and hold the legs and the container against lateral movement in any direction, side walls joining the columns and their superposed leg sockets to each other, and a top joining the top edges of the side walls and the top of the leg sockets to each other.

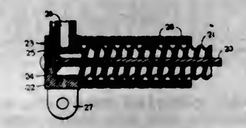


2,457,843

FLEXIBLE CONDUCTOR FOR INDUCTION HEATING

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application September 2, 1944, Serial No. 552,402
4 Claims. (Cl. 174—47)



4. A cable for induction heating adapted to be coiled into an inductor comprising a flexible metal tube having a tendency to flatten beyond excessive bending, conduction connectors at the ends of said tube, and a plurality of axially short adjacent, rigid, insulating rings loosely spaced along said tube intermediate said connectors in close proximity to said tube, said rings being spaced a distance less than their axial length, the opposed faces thereof adapted to abut along the inner edge when the cable is coiled, said rings being adapted to prevent localized flexure of said tube when being coiled into an inductor.

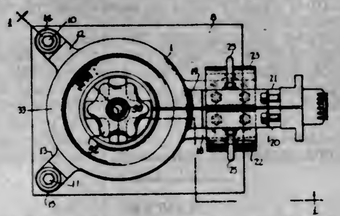
2,457,844

INDUCTION HEATING COIL PROVIDED WITH STRESS-RELIEVING SUPPORTS

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application October 13, 1944, Serial No. 558,504
5 Claims. (Cl. 219—13)

2. In an induction heater in combination, a fixed supporting base means, a curved open-sided continuous inductor which is subject to expansion and contraction as a whole relative to its axis of curvature with temperature changes, said inductor having two adjacent independent ends which are spaced apart and which have permissible movement relative to each other upon expansion or contraction of the inductor, electrical connections for both of said inductor ends, the connections for at least one of said ends providing free movement thereof about the axis of the inductor, and relatively fixed support means at one or more points between said inductor and said base means, the point of support nearest a flexible end being located at such a minimum distance therefrom as to permit it to have free movement, said support means at each point of independent support providing turning movement for portions of said inductor relative thereto about a line parallel with the axis of the inductor, and in the case where support is provided at a plurality of points these points being angularly spaced apart but all lying within an arc of not over 180 degrees of curvature, whereby the said ends of the inductor are permitted to have free movement relative to each other and the inductor is relatively free to expand and contract without rigid constriction.



2,457,845

INDUCTION HEATING APPARATUS FOR HEAT-TREATING THE INTERIOR SURFACE OF ELONGATED SMALL-DIAMETER TUBULAR WORKPIECES

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application January 12, 1945, Serial No. 572,461
15 Claims. (Cl. 219—13)

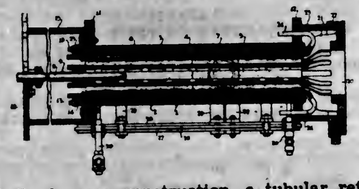
1. Induction heating apparatus comprising an arbor having inner and outer concentric tubular current conductors circumferentially spaced from each other for a large portion of the length thereof to form a fluid-conducting channel therebetween, said outer conductor extending axially beyond the adjacent end of said inner conductor, a closure for said adjacent end of said inner conductor, an electrically conductive closure for said extending end of said outer conductor, a hollow inductor having hollow terminals, said terminals extending through the closure for the outer conductor, one of said terminals being electrically connected with the outer conductor through said last-named closure and being in communication with the channel between said conductors and the other terminal being insulated from said last-named closure and extending through the other closure into communication with the interior of the inner conductor, said other terminal being electrically connected through said other closure with said inner conductor, the channel between said conductors, the interior of said inner conductor and the hollow of said inductors and the terminals thereof defining a path for the flow of cooling fluid in contact with both said conductors, and a cooling fluid inlet connection for one of said conductors and a cooling fluid outlet connection for the other of said conductors.

2,457,846

SLIDE RAIL SUPPORT FOR INDUCTOR FURNACE WORKPIECES

Harold A. Strickland, Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio

Application April 11, 1946, Serial No. 661,234
6 Claims. (Cl. 219—13)



6. In furnace construction, a tubular refractory lining for the furnace chamber, a plurality of axially aligned and radially displaced support tubes secured to the inner surface of said lining, said tubes having a front furnace end extension beyond said lining having sections outwardly turned relative to the lining tube axis and reversely turned terminal sections parallel to the lining tube axis, and end supports for said lining and tubes, the terminal sections of the support tubes being adapted for direct connection to the front support for holding the tubes and lining in fixed position.

2,457,847

TALL OIL-CELLULOSE ETHER COMPOSITION

Warren Stubblebine, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application July 31, 1943, Serial No. 496,966
14 Claims. (Cl. 260—17)

5. A composition of matter comprising coumarone indene resin and a compatible mixture obtained by heating a major proportion of tall oil and a minor proportion of an alkali-insoluble cellulose ether selected from the group consisting of ethylcellulose and benzycellulose.

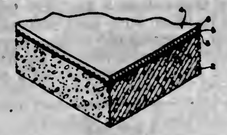
2,457,848

FLOOR AND WALL COVERING

Warren Stubblebine, Manheim Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application July 31, 1943, Serial No. 496,967
9 Claims. (Cl. 260—17)

1. A hard surface floor or wall covering or the like comprising from about 20% to about 40% by weight of a binder composed essentially of from about 55% to about 65% of an alcohol soluble phenol-modified coumarone-indene resin having a melting point between 5° C. and 15° C., and from about 35% to about 45% of an alkali-insoluble cellulose ether selected from the group consisting of ethylcellulose and benzylcellulose; and from about 60% to about 80% by weight of filling material.

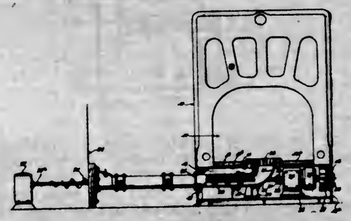


2,457,849

STOKER

Robert W. Suman, Chicago, Ill., assignor, by mesne assignments, to Timken Silent Automatic Division, The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio

Application May 5, 1945, Serial No. 592,133
21 Claims. (Cl. 110—45)



1. The combination with a heating boiler or furnace having means forming a closed base compartment provided with openings in its side walls, a combustion chamber above the compartment, and a partition, having an opening, separating the compartment from the chamber, of a retort positioned in the base compartment, a tuyère supported on and communicating with the retort and communicating with the combustion chamber through the opening in said partition, a conveyor for delivering fuel to the retort extending through one of the side wall openings of the base compartment from an exterior source of supply, an air pressure fan registering with another of said side wall openings of the base compartment, mechanism for controlling the flow of air to the fan, means for conducting air from the fan to the tuyère, a prime mover in the base compartment drivingly connected to the fan, and transmission means extending from the prime mover to the fuel conveyor and connected to the latter at a point remote from the retort.

2,457,850

METHACRYLATE POLYMERIZATION PRODUCT AND PROCESS

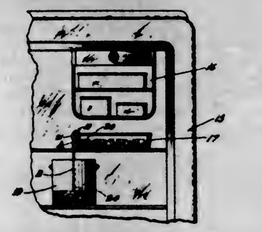
Joseph D. Surmatis, Boston, Mass., assignor to Gustavus J. Esselen, Inc., Boston, Mass., a corporation of Massachusetts

No Drawing. Application April 27, 1944, Serial No. 533,053
2 Claims. (Cl. 260—83)

1. The process of producing polymeric methacrylic acid esters which comprises the step of polymerizing by heat in a slow continuous reaction an ester of methacrylic acid and a mono-

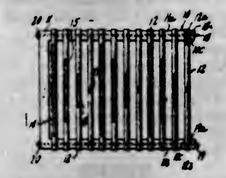
hydric saturated aliphatic alcohol containing 1 to 4 carbon atoms in the presence of concentrated sulfuric acid and an acid restraining agent of the group consisting of glacial acetic and propionic acids within the range 5 to 70% concentrated sulfuric acid to 98 to 30% acid restraining agent, the proportion of monomer to the mixture of sulfuric acid and acid restraining agent being approximately 1 part of monomer to 2 parts of the mixture.

2,457,851
DEVICE FOR USE IN CONNECTION WITH DEFROSTING REFRIGERATORS
Irving W. Taft, Weehawken Township, Hudson County, N. J., assignor to Kidde Manufacturing Co., Inc., a corporation of Delaware
Application October 16, 1944, Serial No. 558,829
5 Claims. (Cl. 62—1)



1. An article of manufacture comprising an elongated wick member, and a clip member on said wick member between the ends thereof having a portion extending about said wick member for securing said clip member to said wick member and having a U-shaped portion of greater width than said wick member adapted to be positioned over the side wall of a receptacle and serving as a support for a bent portion of said wick member extending over the same and serving as a shield to prevent liquid dripping from said wick member at the bent portion thereof.

2,457,852
REED STRUCTURE
Joseph Tiefenthal, Forest Hills, N. Y.
Application October 18, 1946, Serial No. 703,956
9 Claims. (Cl. 139—33)



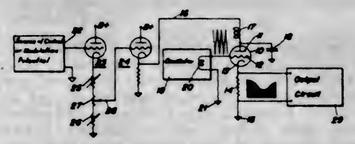
1. A reed structure of the character described comprising a frame, a plurality of elements carried by said frame, said elements being provided with series of parallel slots, and means provided on said elements to adjust the slots to different lengths, the slots of one of said series alternating with the slots of another series, said slots being adapted to accommodate therein warp threads, whereby said warp threads may be shifted within said slots to produce sheds for the introduction of a weft thread.

2,457,853
TREATMENT OF TEXTILES AND COMPOSITION THEREFOR
Henry L. Van Mater, Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 20, 1944, Serial No. 555,644
5 Claims. (Cl. 117—135.5)

1. The method of rendering textile goods water repellant which comprises impregnating the goods with a solution of a soluble double carbonate of zirconium and a soluble soap in amounts to react to form a zirconyl mono fatty acid compound at a temperature below which reaction occurs and thereafter elevating the temperature of the so impregnated goods above 60° C. so that reaction occurs with precipitation of zirconyl mono fatty acid compound.

4. A waterproofing composition which comprises an alkaline aqueous solution of a soluble soap, and a soluble double carbonate of a zirconium salt and an alkali metal carbonate, the soap and zirconium salt being present in amounts sufficient to form a zirconyl mono fatty acid compound.

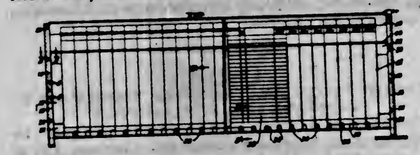
2,457,854
CONTROLLABLE OUTPUT CIRCUIT
Edwin C. Vestal, Jr., Siler City, N. C.
Application October 8, 1946, Serial No. 701,862
11 Claims. (Cl. 332—38)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A controllable output circuit comprising a tube having a grid, a plate, and a cathode, an output impedance having a resistive component substantially equal to the reciprocal of the mutual conductance of said tube, one end of said impedance being connected to said cathode, means connected between said plate and the other end of said impedance effective to apply a controllable voltage to said plate, a grid circuit connected between said grid and said other end of said impedance, means effective to apply to said grid circuit an oscillating input signal voltage having a minimum negative excursion sufficient to drive said grid below plate current cut-off and a minimum positive excursion sufficient to drive said grid into grid conduction, an impedance in said grid circuit responsive to grid conduction current to substantially limit the voltage applied to said grid, and an output circuit connected across said output impedance.

2,457,855
ACCOUNTING AND FILING DEVICE
Herbert Weston, New York, N. Y.; vested in the Attorney General of the United States
Application October 1, 1942, Serial No. 460,463
4 Claims. (Cl. 129—16)

1. In a card register, a holder adapted to support cards in echelon comprising a panel, end members to support the panel, a supporting member for cards secured to the panel longitudinally along the lower portion thereof, pins disposed along the supporting member to position the cards, bushings on the pins, and a retaining

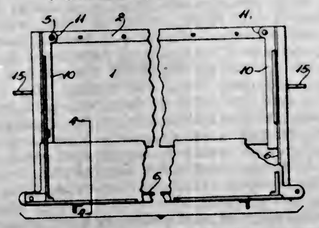


member engaging the upper edge of the cards and panel and comprising a magnifying channel-shaped clasp.

2,457,856
CHEMICAL RETTING PROCESS OF PRODUCING BAST FIBERS
Jacob Johan Zeehuisen, Scheveningen, Netherlands; vested in the Attorney General of the United States
No Drawing. Application March 28, 1940, Serial No. 326,496. In the Netherlands March 22, 1939
2 Claims. (Cl. 92—10)

1. A chemical retting process of producing bast fibres from vegetable materials which comprises the treatment of said fibres from one to one and one-half hours by immersing said materials in a bath containing about 0.5% of hydrogen peroxide, 0.5% of ammonium phosphate, and 1% of urea at a temperature of about 50° C., raising the temperature of said bath and materials to 80–100° C. to thereby break up said materials, and subsequently removing the xyloid constituents from the material treated by mechanical means.

2,457,857
TOP ENDGATE
Charles R. Adams, Donavon, Saskatchewan, Canada
Application September 18, 1946, Serial No. 697,771
6 Claims. (Cl. 296—51)

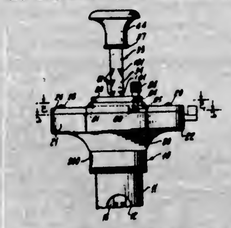


6. A top end-gate assembly for waggon or truck boxes comprising in combination a horizontally rectangular gate-panel and structure supporting same, said supporting structure embodying a pair of vertical opposing flanges on the rear ends of the waggon or truck box sidewalls, extending normally towards each other therefrom, an elongated tie-member secured to said panel parallel with the top edge thereof at least adjacent thereto, studs extending through the ends of said tie-member and the upper ends of said flanges for suspending said panel in situ and to counteract the spreading of said truck or waggon box side-walls under load, and means upon at least one of said side walls adjacent the flange thereon for tightening the adjacent panel-edge thereagainst, consisting of an internally threaded bushing on said side-wall, a screw-threaded shank extending therethrough, and an element secured to said gate-panel having a diagonal thrust surface against which said shank bears to seal said panel-edge against said flange.

2,457,858
PACKAGE CARRIER AND CORD CUTTING DEVICE
Joseph Alexander, New York, N. Y.
Application March 29, 1945, Serial No. 585,408
1 Claim. (Cl. 7—14.1)

A carrier for parcels, packages and like articles, tied by means of a string element and comprising an elongated handle having a centrally disposed circular groove, a hook member engaging said groove and adapted to move in said groove about the horizontal axis of said handle, said hook member including a loop portion depending from said handle and terminating in a lower end for normally engaging said string element, said loop portion being provided with a substantially straight portion and with a leg portion substantially parallel to and spaced from said straight portion, a substantially S-shaped intermediate part integral with said loop portion extending in the space between said straight portion and said leg portion and providing with said latter portions two constricted passageways, first and second passageway, respectively, and a knife blade integral with said loop portion and directed toward said second passageway which is defined by said S-shaped intermediate part and said leg portion, whereby said string element when moved through said first passageway disengages intact from said loop portion and when guided through said second passageway will first be severed and then disengaged from said loop portion.

2,457,859
HYPODERMIC SYRINGE
Harold S. Austin, Dallas, Tex.
Application July 12, 1947, Serial No. 760,677
10 Claims. (Cl. 128—215)



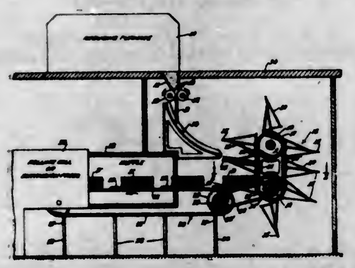
1. In a hypodermic syringe, the combination with barrel structure, plunger means reciprocable in said barrel structure and having a series of abutment means arranged longitudinally thereof, and a movable engaging stop means selectively to be positioned in the path of the series of abutment means when said plunger means is in one radially angular position with respect to said barrel structure so that said plunger means may be moved longitudinally step-by-step with respect to said barrel structure for successive discharge of dosages, said stop means being out of the path of the series of abutment means when said plunger means is in another radially angular

position with respect to said barrel structure; of control means for rotating said plunger means to and temporarily holding it in one of the two positions selectively and alternately to disable and activate the cooperating functioning of said abutment and stop means, said control means comprising means rotatably mounted on said barrel structure and having a way slidably receiving said plunger means, means substantially preventing relative rotation between said rotatable means and said plunger means, and means temporarily to hold said rotatable means in either of two radially angular positions on said barrel structure reciprocably to guide said plunger means in either of its two positions.

2,457,860
DELAY FUSE COMPOSITIONS
Owen G. Bennett and Jack Dubin, Baltimore, Md., assignors to Catalyst Research Corporation, Pittsburgh, Pa., a corporation of Maryland
No Drawing. Application June 19, 1945, Serial No. 600,415
4 Claims. (Cl. 52—2)

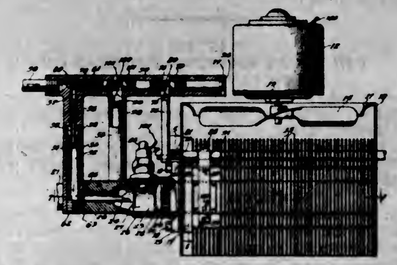
4. A delay element composition comprising powdered zirconium metal, powdered nickel metal produced by evaporation of mercury from a nickel amalgam, an oxidizing agent selected from the group consisting of chlorates, perchlorates and nitrates, and an oxidizing agent selected from the group consisting of water-insoluble chromates, manganese dioxide, lead monoxide, and red lead, and said metals and oxidizing agents being in proportions to give a predetermined burning rate with production substantially wholly of solid products of combustion.

2,457,861
METHOD OF MANUFACTURING METAL PRODUCTS
Herman A. Brassert, Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Original application May 14, 1943, Serial No. 486,989. Divided and this application February 15, 1945, Serial No. 577,962
6 Claims. (Cl. 29—189)



1. The method of making metal products, which consists in reducing metallic oxide material in a reducing zone below temperatures at which the material frits or agglomerates, compacting the reduced material in finely-divided form into self-sustaining plate-like briquettes while corrugating the same in parallel relation and separating the corrugated briquettes, assembling a plurality of said briquettes in superimposed flatwise relation with their corrugations interfitting, heating the superimposed briquettes to the welding point to at least partially weld the reduced material and briquettes together into a billet, and then deforming the billet while so heated into a metal product, the several steps being immediately successive in a continuous process.

2,457,862
COMBUSTION HEATER WITH THERMALLY CONTROLLED FUEL SUPPLY
Theodore S. Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, Chicago, Ill., a corporation of Delaware
Application December 21, 1942, Serial No. 469,668
5 Claims. (Cl. 158—28)

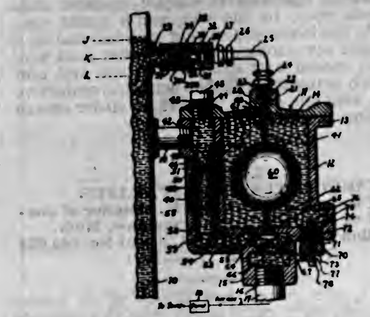


1. In a combustion heater of the class described having heat generating means wherein the amount of heat generated thereby is responsive to the amount of fuel supplied thereto, the combination of a fuel control valve for regulating the amount of fuel supplied to said combustion heater, an outlet conduit for said heat generating means, a sliding control member for determining the position of said valve, a spring bearing against said control member to bias said valve to its open position, said control member being provided with a plurality of transverse slots, slidably mounted wedge-shaped members extending into said slots and separately adapted to be displaced to bear against said control member to hold the same in a predetermined axial position against the bias of said valve, said slots being wider than said wedge shaped members to permit independent movement of said control member, a manually adjustable member engaging one of said wedge shaped members for determining the position thereof, and thermally responsive means mounted in heat receiving relationship with respect to said outlet conduit and engaging another of said wedge shaped members to displace said sliding control member and valve toward closed position from its position as determined by said first mentioned wedge shaped member when the heat transmitted from said outlet conduit to said thermally responsive means is in excess of a predetermined amount.

2,457,863
AIR CHARGER
Arthur W. Burks, Decatur, Ill., assignor to Decatur Pump Company, Decatur, Ill., a corporation of Illinois
Application February 1, 1945, Serial No. 575,693
9 Claims. (Cl. 103—6)

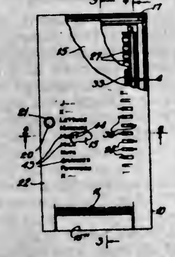
1. An air charger for maintaining pneumatic pressure in a hydro-pneumatic tank in response to the tank pressure and the suction effect of the pump supplying water to said tank, said charger comprising a casing having an opening for connection to said tank and to said pump intake, an air intake into said casing, a Venturi-

type aspirator operable upon a flow of water therethrough to draw water out of said casing and air through said air intake into said casing, and a float controlled valve operable upon



said casing being substantially filled with air to close said opening for connection to said pump intake, whereupon continued flow of water through said aspirator fills said casing with water for expelling air therefrom into said tank.

2,457,864
PURCHASE SHEET MARKING DEVICE
Philip H. Burn, Forest Hills, N. Y.
Application January 8, 1946, Serial No. 639,865
17 Claims. (Cl. 164—112)



1. A device of the class described comprising an elongated case, a plurality of characterized openings spaced longitudinally of one wall of the case, the case being adapted to support elongated strips, with one end of a strip accessible outwardly of one end of the case, piercing elements pivotally mounted in the case and having fingerpiece portions protruding outwardly through the openings of said case, each strip having indicia thereon in registering alinement with said piercing elements when the strip has one end thereof accessible through one end of the case, said piercing elements being manually movable into piercing position, manually actuated means in the case for moving said strip into operative engagement with said elements supported in piercing position to pierce the strip in alinement with the indicia thereon registering with said last named elements, means for supporting each piercing element in piercing and non-piercing positions, said last named means comprising a hook-shaped flange extending longitudinally of said openings, and said elements having spring members operatively engaging the flange in supporting said elements in operative and inoperative positions.

2,457,865
TOY WAGON
Asa B. Carmichael, Tujunga, Calif.
Application December 7, 1945, Serial No. 633,413
3 Claims. (Cl. 46—107)

1. A toy vehicle comprising a wagon including front and rear wheels, a wagon body mounted on said wheels, a shaft extending forwardly of said wagon body, at least one toy horse fixed to said shaft, said horse being provided with front and hind legs having sections forming knees and shoulder joints, a power means concealed in said wagon body for driving at least one of said wheels to move the vehicle, and means operable from said front wheels for moving the horse's legs during the movement of the vehicle to simulate a horse-drawn wagon, said means for moving the horse's legs comprising a pair of elastic members for each leg, one elastic member to flex the leg and the other elastic member to straighten the leg, and means to alternately operate the elastic members for each leg.

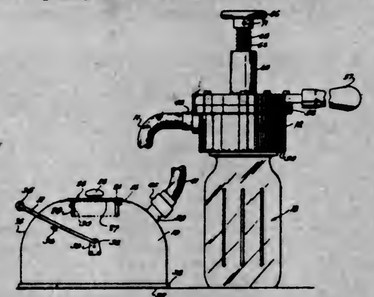
2,457,866
CONDENSATION OF ALCOHOLS
Clare A. Carter, South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application May 26, 1945, Serial No. 596,079
14 Claims. (Cl. 260—642)

1. Process for producing higher molecular weight aliphatic alcohols from an alcohol having at least one hydrogen atom on the alpha carbon atom, which comprises heating and reacting at least one such aliphatic primary monohydric alcohol of lower molecular weight, including a primary alcohol having a least four carbon atoms, with a small amount of a caustic alkali, while refluxing the mixture and continuously removing from the reaction mixture water as rapidly as it is formed in the resultant reaction, when approximately at least 95% of the caustic alkali has reacted with the alcohol, adding a dehydrogenation catalyst to the reaction mixture and continuing the heating and refluxing of the mixture while continuously removing from the reaction mixture water as rapidly as it is formed in the resultant condensation reaction, and recovering from the reaction mixture the higher molecular weight alcohol present therein.

2,457,867
APPARATUS FOR VACUUM SEALING CANNED FOOD
William J. Chambers, Chicago, Ill.
Application September 22, 1945, Serial No. 617,979
7 Claims. (Cl. 226—82)

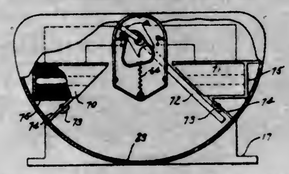
1. A portable home apparatus for sealing containers of the type having a radially projecting shoulder located below the mouth of the container comprising a portable head provided with a heat insulated handle and inlet means for connection

to a source of heated steam, said head comprising a metal member formed with an annular wall and a downwardly open, substantially cylindrical sterilising chamber, the size of said chamber being such that it is adapted to receive the open end of the container for food when the lower edge of said wall rests upon said shoulder, said wall being provided with an annular steam chamber communicating with said inlet means and the wall of said annular steam chamber being provided with a multiplicity of radially and downwardly directed steam apertures adapted to project steam downwardly into the mouth of said container for food, said head being provided with a centrally located plunger extending outwardly from said



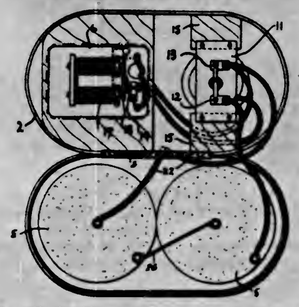
head through a guide boss, and supporting means carried by said plunger in said sterilising chamber for supporting a cover for the food container above said downwardly directed apertures when the plunger is in its uppermost position, said supporting means having a predetermined resistance to the release of the cover whereby, after the bottom of the cover and the food container have been sterilized by injection of steam between them, and the cover has been depressed into engagement with the food container by said plunger, the condensation of steam inside the food container beneath the cover causes a vacuum which pulls the cover from said supporting means when the plunger is again lifted, leaving the cover held to the food container by the vacuum in the food container.

2,457,868
MAGNETIC WINDSHIELD WIPER
Robert Richard Chiesa, Johnsonburg, Pa.
Application March 23, 1948, Serial No. 16,532
1 Claim. (Cl. 172—126)



A magnetically operated windshield wiper comprising a wiper shaft, an armature attached to and depending from the shaft, a magnet at each end of the path of rocking movement of the armature, a switch-operating member rockable on and insulated from the shaft, an electric circuit, switches in the circuit and closed in alternation by the switch operating member, an actuating arm rocking on the shaft and insulated therefrom, oppositely disposed flanges on the switch operating member, a finger on the actuating arm adapted to engage the flanges alternately for rocking the switch operating member, cooperating means between the shaft and arm for causing rocking of said arm on the shaft, a substantially triangularly shaped member carried eccentrically by the arm, and a spring connected to the lower end of said member and to a fixed point for tripping the arm after said arm has been rocked past dead center, the arm and the switch actuating member being in conductive relation with one end of the circuit, either switch completing the circuit.

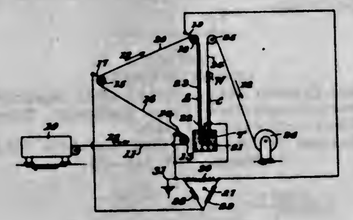
2,457,869
CIRCUIT TESTING APPARATUS
Earl L. Clemens, Saginaw, Mich., assignor of one-half to Mildred Clemens, Saginaw, Mich.
Application December 20, 1944, Serial No. 569,023
1 Claim. (Cl. 175—183)



A circuit testing arrangement comprising a container, consisting of two hinged hollow sections, the lower section being provided with a hole and adapted to house the cells of a dry cell battery, the upper hollow lid section carrying the testing equipment on its top wall, said equipment including a buzzer, a buzzer support plate for the same and a shield covering said buzer and further including a lamp socket mounted adjacent to said buzzer support, said top wall being provided with a hole near the lamp socket for accommodating a signal lamp, mounted on the lamp socket, a transparent dome shaped cover over said hole, connecting posts on said buzzer and lamp socket, testing cables passing through the hole in the lower container section to the outside, one of said cables being connected with the battery and the other with one of the aforesaid connecting posts, and further flexible cables adapted to be accommodated within the space enclosed by the upper lid section, said cables establishing a flexible connection between the battery, and one of the connecting posts and a parallel connection between said buzzer and said signal lamp.

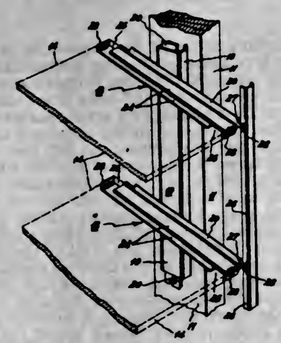
2,457,870
THREE-PHASE ELECTRIC RESISTANCE WIRE HEATING APPARATUS
John Cook, Ridgewood, N. J.
Application May 21, 1946, Serial No. 673,388
6 Claims. (Cl. 219—11)

1. Electrical wire annealing device, including four contact wheels over which the wire is successively drawn, means for supplying a predetermined voltage between the first and second of said contact wheels, means for supplying greater voltage between the second and third of said contact wheels, means for supplying the greatest voltage between the third and fourth of said contact wheels, and means interconnecting and grounding both said first and said fourth contact wheels, whereby current flows in a longitudinal direction only through said wire, between said contact wheels, and the wire is progressively



heated as it passes over said contact wheels, whereby the wire enters and leaves said device at substantially zero potential, and whereby the wire is progressively heated without exceeding a predetermined maximum temperature at any point.

2,457,871
ADJUSTABLE LOUVER SHUTTER OR BLIND
Clifford Edward Cooper, Newtown, near Sydney, New South Wales, Australia
Application December 15, 1943, Serial No. 514,412
In Australia December 22, 1942
3 Claims. (Cl. 20—62)



1. In a device of the character described, a channelled supporting fitting applied to the side of a window frame, louvre members, pivotally mounted in said fitting, operating means housed within the channelled fitting and operably connected to the louvre members, a protecting strip projecting angularly from each member and extending substantially throughout the width thereof, and a connecting and bridging member pivotally connected with the outer face of each protecting strip, said connecting and bridging member being angular in cross section whereby, when said louvre members are closed said connecting and bridging member jointly embraces the protecting strip and the adjacent portion of the supporting fitting to exclude draught and rain from the pivotal mountings and operating means for the louvre members.

2,457,872
VULCANIZABLE COPOLYMERS OF A VINYL ARYL COMPOUND, BUTADIENE AND MALEIC ESTERS
Gaetano F. D'Alelio, Cleveland, Ohio, assignor to Pre-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application December 11, 1946, Serial No. 715,599
2 Claims. (Cl. 260—78.5)

1. A resinous copolymerization product of a mixture comprising 50 to 90 parts of a compound of the formula $CH_2{=}CR'Z$ where R' is selected from the group consisting of hydrogen and a methyl radical and Z is an aryl radical, 5 to 30 parts of a butadiene-1,3 having the formula

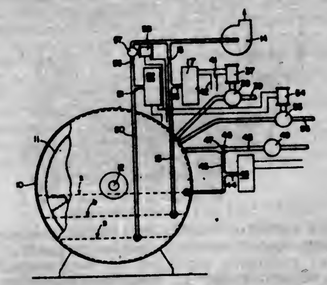
$$CH_2{=}\underset{R^1}{C}{-}\underset{R^2}{C}{=}\underset{R^3}{CH}$$

wherein R^1 and R^2 are selected from the group consisting of hydrogen, alkyl, aryl, chloraryl and a cycloaliphatic radical which is free of ethylenic unsaturation and R^3 is selected from the group consisting of hydrogen and methyl, and when R^3 is methyl, R^1 is methyl and R^2 is hydrogen, and 5 to 40 parts of a diester, said diester being the esterification product of maleic acid and an aliphatic monohydric alcohol which is free of ethylenic and acetylenic unsaturation, the major component being selected from the group consisting of the $CH_2{=}CR'Z$ compound and the diene.

2,457,873
VULCANIZABLE COPOLYMERS OF ACRYLONITRILE, BUTADIENE AND MALEIC ESTERS
Gaetano F. D'Alelio, Cleveland, Ohio, assignor to Pre-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application December 11, 1946, Serial No. 715,600
2 Claims. (Cl. 260—78.5)

1. A resinous copolymerization product of a mixture of 15–20 parts of butadiene-1,3, 60 to 80 parts acrylonitrile, and 5 to 10 parts of ethyl maleate.

2,457,874
FLUID LEVEL INDICATOR
Archibald H. Davis, Jr., Cleveland, Ohio, assignor to American Machine and Metals, Inc., East Moline, Ill., a corporation of Delaware
Application December 20, 1942, Serial No. 515,011
2 Claims. (Cl. 177—311)



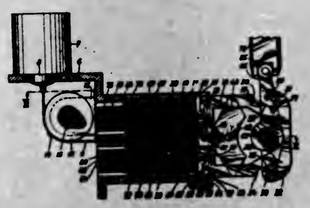
1. Apparatus including an aspirator drawing fluid continuously through a tube connected to the side of the tank which responds to the arrival of the surface of liquid being poured into the tank

to the level of the entrance of the tube into the tank by indicating the increased suction required to draw liquid fluid rather than gaseous fluid through the tube comprising, in combination, a tank, a tube entering the tank at a given height above its bottom, a contraction in the tube, an aspirator beyond the contraction continuously drawing fluid from the tank through the conduit and the contraction, means responding to the pressure differential between the entrance of the tube into the tank and a given point in the tube between the tank and the contraction, means preventing the pressure-responsive means for responding to pressures up to the suction pressure developed by the aspirator when drawing a gaseous fluid through the tube.

2,457,875
COMPARTMENTED HATBOX HAVING FIXED AND REMOVABLE RADIAL PARTITIONS
Amina E. Day, Los Angeles, Calif.
Application May 8, 1946, Serial No. 668,123
3 Claims. (Cl. 206—3)

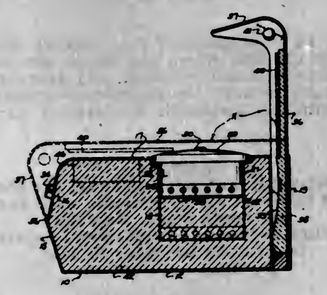
2. A hat box having a hollow body formed with an inwardly extending annular flange seat about its inner wall, a cover therefor, a removable multiple compartment hat receiving tray seated on said flange seat, said tray comprising a disk-shaped base having a central upstanding hub member and interconnected radially extending partitions formed integrally therewith, oppositely extending locking shoulders formed on said partitions, and a plurality of removable partitions having arcuate flanges on their inner ends adapted to be slidably received by said locking shoulders.

2,457,876
SELECTING CONTROL DEVICE
Ernest Alphonse Derungs, Le Locle, Switzerland
Application October 27, 1942, Serial No. 507,853
In Switzerland October 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 9, 1962
17 Claims. (Cl. 74—335)



1. In a selecting control device, control means for change speed gears, a stationary part, a first group of members mounted on said stationary part, a second group of members movable into different positions by said first group, said first group including driving means for effecting alternating rectilinear translatory movement of said second group relatively to the first group for moving the members of said second group into any one of the different positions thereof on the meeting of said second group with said first group at the end of the alternating rectilinear movement of said second group, and a third group of members movable by and in dependence upon the positions of said second group to actuate said control means.

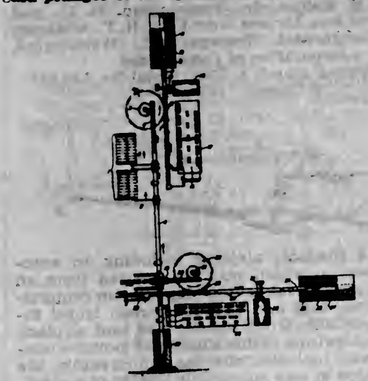
2,457,877
COOKING UNIT
Halbert Creston Doner, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application November 23, 1942, Serial No. 466,582
3 Claims. (Cl. 219—35)



3. A cooking stove of the character described, including a housing projecting horizontally from a wall and unsupported from beneath and having a top wall and a front wall, said front wall being provided with an upwardly and rearwardly inclined upper portion merging into said top wall, and means for performing all of the cooking operations below the surface of the top wall comprising a plurality of cooking recesses therein, cooking vessels adapted to fit within certain of said recesses, heating means within said recesses, a cover for each of said vessels lying substantially flush with the top wall of the housing when said vessels are in the cooking recesses, and a cover for said housing overlying the covers of said cooking vessels when said housing cover is in closed position, and having a forward portion shaped to fit over the inclined upper portion of the front wall of said housing to form a continuation of the inclined lower portion thereof.

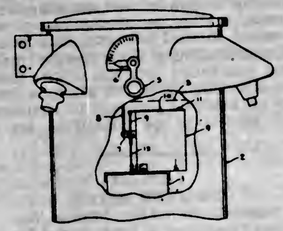
2,457,878
SOLENOID-OPERATED SWITCH
Arthur S. Dubuar, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 2, 1944, Serial No. 566,276
11 Claims. (Cl. 179—27.52)

1. In a multiposition switching device, a series of electromagnetic coils, there being one coil for each position of said switch, an electromagnetic plunger, in position to be acted upon by said coils when energized, means for energizing a first coil to advance the plunger a first step, for then energizing the second coil followed by the deenergization of the first coil, and for repeating the operation of energizing a succeeding coil and deenergizing a preceding coil to advance said plunger one step for each such repeated op-



eration, and means associated with said plunger for establishing succeeding electrical connections.

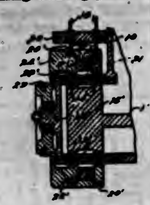
2,457,879
PROTECTING DEVICE FOR TRANSFORMERS
Ralph H. Earle, Wauwatosa, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application July 5, 1946, Serial No. 681,610
9 Claims. (Cl. 116—114)



8. In a device of the class described, an electrical instrumentality having insulation, an insulating liquid medium surrounding said electrical instrumentality and arranged to conduct heat away from said electrical instrumentality, a section of the same insulation as that used in said electrical instrumentality, said section being submerged in said liquid medium, an indicator normally occupying a first position, means restrained by said section of insulation and operatively connected to said indicator, and biasing means for causing said indicator to move to a second position when said section of insulation has aged to a predetermined point.

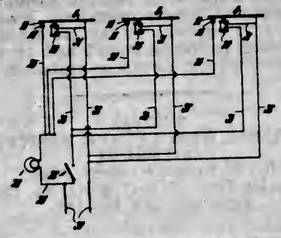
2,457,880
DRIVE MEANS FOR COMPRESSORS OR THE LIKE
Franklin W. Edwards, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 21, 1944, Serial No. 547,480
1 Claim. (Cl. 172—284)

In an electromagnetic drive means for a compressor or the like, a hermetically sealed casing for the compressor having a cylindrical portion extending therefrom constructed of alternately disposed rings of magnetic and non-magnetic material; an end plate for closing the end of the said extending casing portion, and a plurality



of non-magnetic studs disposed axially of said rings for securing said rings and plate together in fluid tight relation.

2,457,881
FIRE ALARM
Ulrich S. Fisher, Holyoke, Mass.
Application July 18, 1947, Serial No. 761,971
1 Claim. (Cl. 177—355)

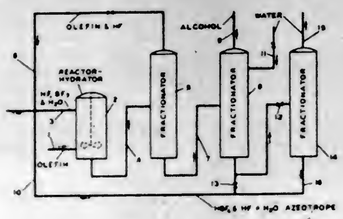


Fire alarm apparatus comprising in combination, a plurality of separate alarm mechanisms each including, a movable alarm actuating member and a flexible movable heat responsive element adapted to releasably hold said member in non-actuating position and to move and release said member as it moves under the influence of heat, pairs of contacts one of which is carried by each of said heat responsive elements and the other of which is separate therefrom and engaged by the said one contact as said element moves under the influence of heat, an electrically operated control alarm, a source of electrical energy, circuit connections between said source of energy, alarm and said pairs of contacts whereby as any heat responsive element moves under the influence of heat the alarm is energized, solenoids operatically related to said heat responsive elements and adapted when energized to move said elements and bring the contacts of the pairs into engagement, other circuit connections connected to the first-named connections and to said source of energy, and a switch in said last named circuit connections for closing said other circuit connections for simultaneously energizing the solenoids from said source of power and simultaneously moving said elements to engage said contacts and energize said alarm.

2,457,882
HYDRATION OF OLEFINS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 17, 1944, Serial No. 559,115
10 Claims. (Cl. 260—640)

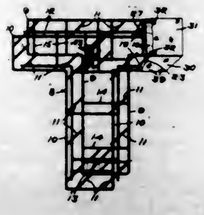
1. The process of converting ethylene to ethyl alcohol, which comprises subjecting ethylene to the action of an aqueous solution consisting of

hydrogen fluoride and boron trifluoride dissolved in water, the weight of hydrogen fluoride being 10 to 50 per cent by weight of the total hydrogen fluoride and water and the weight of boron fluoride being minor with respect to the hydrogen fluoride, with the molar ratio of hydrogen fluoride



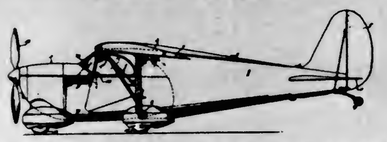
to olefin greater than 1 and not greater than 10, at a reaction temperature between 200 and 300° C. and a sufficient superatmospheric pressure to maintain said aqueous solution in liquid phase, for a reaction period between 5 and 15 minutes, and recovering ethyl alcohol so produced.

2,457,883
DETACHABLE WIRE LETTER WITH FABRIC COVERING
Ira W. Fuller, Roxbury, Mass.
Application June 11, 1947, Serial No. 753,912
3 Claims. (Cl. 40—140)



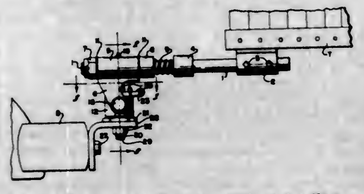
1. An advertising sign comprising a background element, a plurality of symbol elements each having a skeleton wire framework presenting spaced wires which bound the symbol at both the front and the back, intermediate wires connecting both the opposite sides of the front bounding wires and also the front and rear bounding wires at the sides of the framework, all such intermediate wires being located in planes inside the planes of the bounding wires, a backing element of relative stiff sheet material situated within and with its edges in frictional engagement with said front bounding wire, the front face of said backing element being flush with said bounding wire, a second backing element located between the front and rear bounding wires at the sides, top and bottom of the framework and with its edges in frictional engagement with said front and rear bounding wires, said second backing element having its outer face substantially flush with the bounding wires, an envelope of fabric covering and adhesively secured to the outer face of both backing elements, and seperable fasteners for removably securing each symbol element to the background element.

2,457,884
ROADABLE AIRPLANE
Robert E. Fulton, Jr., Washington, D. C., and Octavio Jose Alvarez, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C., a corporation of Connecticut
Application March 3, 1945, Serial No. 580,847
6 Claims. (Cl. 244—2)



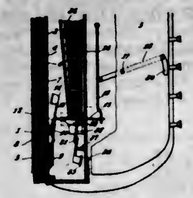
1. In a roadable airplane including an automobile section which may be removed from an airplane section, said automobile section comprising a power unit and wheels for road travel including guidable front wheels, and said airplane section comprising lifting wings and movable control surfaces including ailerons and elevators, the combination in said automobile section of a steering wheel, a shaft connected to said steering wheel to be rotated thereby, bearing means mounting said shaft for rotary movement and for endwise movement, a connection to said shaft for moving the elevators upon endwise movement of the shaft, a rotatably mounted member having a driving engagement with said shaft for rotation thereby but being free of endwise movement by the shaft, a power take-off means on said member for operative connection to the front wheels to guide them upon rotation of said shaft, another power take-off means on said member for moving the ailerons, and a connection from said last named means to said ailerons, said last named connection including a Geneva-type mechanism permitting continued rotation of the member in the same direction after the ailerons have been moved to an extreme position to thereby enable the front wheels to be guided to an extreme position.

2,457,885
TRAILER HITCH
James Earle Gatch, Macon, Ga.
Application December 5, 1946, Serial No. 714,317
4 Claims. (Cl. 280—33.15)



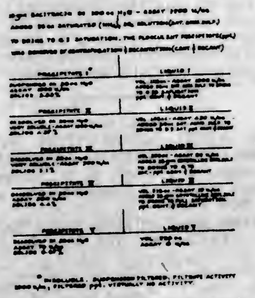
2. Device for connecting a car to a trailer comprising a king bolt formed with an annular groove, means for mounting the king bolt in a vertical position on a car bumper, a collar adapted to rotatably embrace the king bolt having oppositely disposed latch members arranged to seat in the annular groove of the king bolt when the collar is in operative position on said bolt, a tubular housing formed with spaced, parallel off-set lugs adapted to embrace said collar and connected to said collar by aligned pivots, a draw-bar having a medially disposed abutment, one end portion of said draw-bar slidably disposed in the tubular housing and having means to prevent withdrawal therefrom, a compression spring positioned on the draw-bar intermediate the tubular housing and the abutment on the draw-bar, and means for securing the other end of the draw-bar to the trailer.

2,457,886
TREMOLO DEVICE FOR ACCORDIONS
Walter Gerber, Bern-Bumplitz, Switzerland
Application December 18, 1945, Serial No. 635,680
In Switzerland January 6, 1945
7 Claims. (Cl. 84—376)



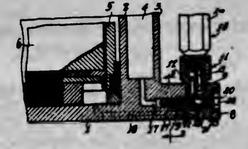
1. In an accordion on the melody side thereof, an intermediate partition located between the bellows and the sounding section, two apertures in said partition for the flow of air therethrough, a vibrator comprising a metal plate mounted on a leaf spring which is disposed in one of said apertures, said metal plate being predetermined in weight and said leaf spring being predetermined in thickness by the desirable frequency of said vibrator, a movable flap for controlling the air flow through the other aperture, operating means in operable connection with said flap and said vibrator for opening said flap and simultaneously immobilizing said vibrator from outside, and resilient means tending to close said flap and simultaneously supersede the immobilization of said vibrator.

2,457,887
PURIFICATION OF BACITRACIN
John T. Goorley, Hudson, Ohio, assignor to Ben Venue Laboratories, Inc., Bedford, Ohio, a corporation of Pennsylvania
Application April 3, 1947, Serial No. 739,227
6 Claims. (Cl. 260—236.5)



1. That method of purifying crude bacitracin which comprises providing an aqueous solution of crude bacitracin, adding ammonium sulfate to said solution to partially saturate it and fractionally precipitate inert impurities substantially insoluble in water, separating the solution from the precipitate of inert material, adding further ammonium sulfate to the separated solution to precipitate bacitracin in purified and water-soluble form, and recovering the precipitate of purified bacitracin.

2,457,888
STRAINER FOR PUMP JACKS
Edward P. Grimes, Los Angeles, Calif.
Application April 10, 1945, Serial No. 587,540
3 Claims. (Cl. 210—164)



3. A strainer unit for insertion in a screw-threaded counterbore communicating between an axially directed passage continuing from its inner end and a lateral passage intermediate its ends, the outer end of said counterbore being open, the screw-threaded portion of said counterbore being connected intermediate its extremities by said lateral passage, said strainer unit comprising: a stem sealingly engageable with the walls surrounding the outer open end of said counterbore, said stem including spaced sets of screw threads, said stem being reduced in diameter between said screw threads and cooperating therewith to form an annular chamber adapted to communicate with said lateral passage when said sets of screw threads fit the screw threads of said counterbore at opposite sides of said lateral passage, said stem also being bored to form a passage communicating between its inner end and said annular chamber; and a tubular strainer closed at one end and secured by its other end to said stem whereby upon insertion of said stem in said counterbore a strainer interrupted passageway is formed between said axial passage and said lateral passage.

2,457,889
WIDE PROPELLER BLADE MANUFACTURE
Frederick A. Gruetjen, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 23, 1943, Serial No. 507,367
1 Claim. (Cl. 29—156.8)

In the manufacture of wide hollow metal propeller blades, the steps of pressing the trailing edge of an air foil section having the pitch twist of the blade to provide an edge portion having at least one entire plane surface at substantially right angles to the chord of the blade, forming an edge extension embodying the pitch twist of the blade and having a similar corresponding edge portion, and electrically flash butt welding said formed edges together, said edge portions being substantially flashed from the parts during the welding to present an integral section of continuous blade contour after the flash has been removed from the joints.

2,457,890
MUFFLER
Gale H. Hedrick, Chicago, Ill., assignor to Maremont Automotive Products, Inc., Chicago, Ill., a corporation of Illinois
Application September 10, 1943, Serial No. 501,874
9 Claims. (Cl. 181—57)

1. A muffler comprising a casing having an inlet and an elongated outlet of reduced width with

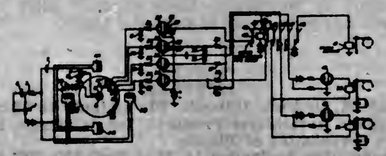
respect to the inlet, the cross-sectional area of the outlet being at least equal to the cross-sectional area of the inlet, and means within the casing separating the same into compartments, said means including plates having perforations, one

of said plates having a non-perforated portion, the non-perforated portion being disposed between the inlet and outlet so that the exhaust gases circulate through the separate compartments before discharging through the outlet to the atmosphere.

2,457,891
ELECTRON DISCHARGE DEVICE
Andrew F. Henninger, George D. Henninger, and Ralph W. Reitherman, Chicago, Ill.; said Reitherman assignor of one-sixth of the whole to said Andrew F. Henninger and one-sixth of the whole to said George D. Henninger
Application January 12, 1945, Serial No. 572,506
4 Claims. (Cl. 250—27.5)

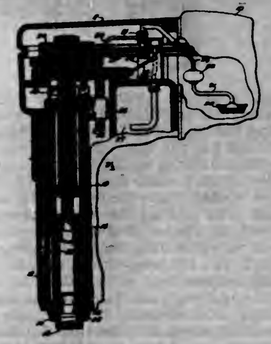
1. An electron discharge device having an enclosing vacuous shell, an insulating tube having a closed bottom mounted therein partially defining the discharge path, an electrode within said tube terminating short of the free open mouth of said tube, a second electrode exteriorly of said tube at substantially the upper edge of said interior electrode, and a grid between the open mouth of said tube and said second electrode collaborating with said electrodes to determine, in accordance with its degree of energization, the breakdown potential of said device.

2,457,892
PULSE TESTING EQUIPMENT
Frank H. Hibbard, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,472
10 Claims. (Cl. 179—175.3)



9. Pulse testing means comprising a condenser, means for charging said condenser in accordance with the duration of a pulse, electron discharge apparatus having field magnets for generating a rotating electron beam, a circuit for generating a two-phase transient current in said field magnets in accordance with the charge on said condenser to rotate said beam, and means operated in accordance with the extent of the rotation of said electron beam in response to said transient current to indicate the relative length of said pulse.

2,457,893
MACHINE TOOL LUBRICATING SYSTEM
Emil J. Hlinsky, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application February 23, 1945, Serial No. 579,459
3 Claims. (Cl. 184—6)

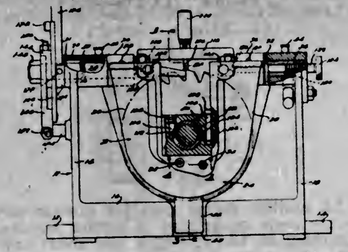


1. In a machine tool, a vertical spindle head, a spindle quill depending from and arranged for vertical axial adjustment relative to said head, a bearing in the lower end of said quill, a spindle rotatably mounted in and projecting downward from said bearing, a pressure lubricating system arranged to supply lubricant to said spindle head, means to convey lubricant to said bearing in said quill, a suction conduit arranged to withdraw excess lubricant from the region of said bearing, and an aspirator connected to said suction conduit and associated with said pressure lubricating system in manner to be operated by the flow of lubricant therethrough to exhaust said excess lubricant through said suction conduit.

2,457,894
CARBIDE FEED MECHANISM FOR BATTERIES OF ACETYLENE GENERATORS
Harry Hooper, New York, N. Y., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application April 12, 1945, Serial No. 588,019
14 Claims. (Cl. 48—88)

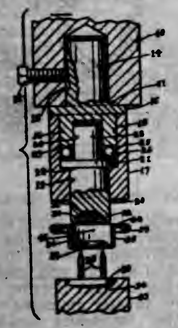
14. A battery of acetylene generators connected to a single gas line, carbide feed means for each of said generators, a weight-motor for operating each of said carbide feed means, the weights of the motors for operating the feed means of the several generators being at different levels, pressure responsive means subject to the pressure of the acetylene gas in said gas line, and means controlled by said pressure responsive means and operatively connected to the motor weights for substantially simultaneously starting and stopping the descent of said motor weights to assure that they reach the low point of their descent in sequence.

2,457,895
GRINDING FIXTURE
George Hohwart, Detroit, and John Simmons, Washington, Mich., assignors to N. A. Woodworth Company, Detroit, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 638,235
12 Claims. (Cl. 51—225)



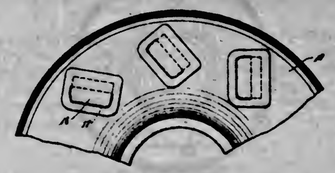
1. A grinding fixture for milling cutters comprising a support having spaced horizontal bearings disposed in alignment with each other; a cradle frame having journals mounted in said bearings and adapted to rock about said journals; a manually operable handle attached to one of said journals for use in rocking said cradle frame on said journals; adjustable means for limiting rocking movement of the cradle frame; means carried by said cradle frame and disposed at one side of the axis about which it moves adapted to position and hold a cutter with the side and end surfaces of at least one of its teeth predetermined distances from said axis; and pivoted means engageable with the mentioned surfaces of said cutter to limit movement of the latter beyond said predetermined distances.

2,457,896
STAPLE SETTING DIE
Otto J. Hueister, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application January 7, 1946, Serial No. 639,498
11 Claims. (Cl. 218—5)



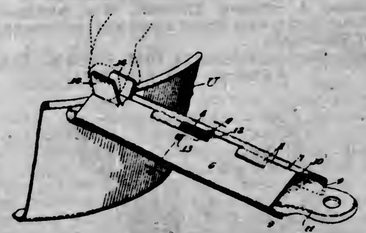
1. A tool for stapling fastener devices to supports, a staple setting die comprising a holder, an anvil, means on the anvil and holder providing free rotation of the anvil about its axis in said holder, said anvil having at its lower end a prong-turning socket, said socket having a spherical surface, a rib dividing said socket centrally, and said rib being adapted to space prongs of a staple in the socket at opposite sides thereof in the operation of setting said prongs.

2,457,897
TIRE AND ATTACHABLE VANE THEREFOR
Raymond J. Hull and Robert W. Hurah, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 12, 1944, Serial No. 522,074
2 Claims. (Cl. 244—103)



1. A tire having a sidewall, and a vane unit vulcanized thereto, said unit comprising a substantially flat vulcanized body of resilient rubber-like material having a shallow recess in its exposed face, and a vane comprising resilient rubber-like material integral with said body seated in said recess and hinged to said body along one margin of said vane, said vane being arranged with its hinge line oblique to a radius of the tire.

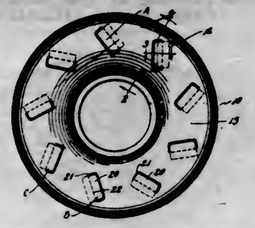
2,457,898
AUXILIARY HANDLE
Frederick E. Hummel, Chicago, Ill.
Application September 25, 1944, Serial No. 555,653
2 Claims. (Cl. 16—114)



1. As a new article of manufacture, an auxiliary handle adapted for use in connection with a utensil having an outwardly projecting handle, and comprising a pair of complemental oppositely positioned downwardly divergent rigid one-piece side pieces having at the bottom margins thereof inturned flanges for gripping the utensil handle and embodying at their top margins a longitudinal series of alternately arranged tubular parts, certain adjoining parts of said series being spaced apart so as to provide therebetween an elongated opening, a pivot pin extending through said tubular parts and forming therewith a hinge connection for permitting the side pieces to swing freely to and from one another, and a spiral spring disposed in said opening, ex-

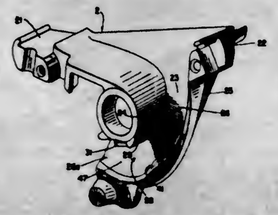
tending around the pivot pin, having the ends thereof connected directly to the side pieces, and arranged and loaded so that it urges said side pieces inwards in order to bring the inturned flanges into gripping relation with the side margins of the utensil handle.

2,457,899
VANED TIRE
Robert W. Hurah, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 516,449
11 Claims. (Cl. 244—103)



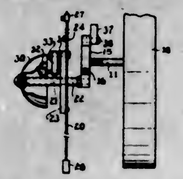
1. A tire comprising an annular body having a side wall comprising rubber-like material, and vanes comprising rubber-like material integral with said side wall at spaced-apart positions thereabout providing resilient, hinged connections with said side wall, the hinge lines of said vanes being each inclined at the position of connection to a radial plane which includes the axis of rotation of the tire, each vane having reinforcing weftless elements extending across the hinge line, said elements being separable laterally with respect to one another under resilient restraint of said rubber-like material.

2,457,900
GRAIN DRILL FEED MECHANISM
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application September 18, 1944, Serial No. 554,654
4 Claims. (Cl. 222—311)



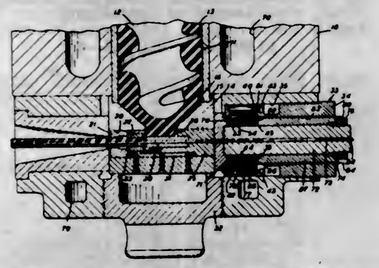
1. In a seeding device, a seed cup, a rotatable feed wheel mounted for rotation in said cup and including a seed-engaging outer flange, a seed passage formed by portions of said seed cup and said feed wheel, said passage being shaped so as to have a throat portion through which seed normally are discharged by the rotation of said feed wheel, and a protuberance carried by the radially outer portion of said seed cup adjacent the periphery of said feed wheel and having a cam-like wall extending generally radially inwardly beyond said feed wheel flange and having a smooth curve generally forwardly in the direction of rotation of said feed wheel and generally radially inwardly up to the apex of said protuberance and then generally radially outwardly away from said apex, said apex lying appreciably above, or radially inwardly of, the inner surface of said feed wheel flange between the flange of said feed wheel and the opposite side of said seed passage.

2,457,901
REEL SIGNAL UNIT
James Gordon Jackson, Port Alberni, British Columbia, Canada, assignor of one-half to James Nelson Trumpour, New Westminster, Canada
Application November 24, 1947, Serial No. 787,733
8 Claims. (Cl. 116—67)



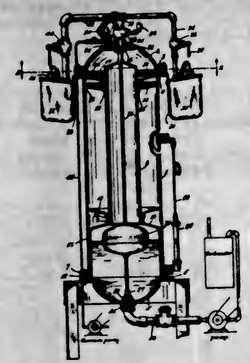
8. An audible signal unit for motion picture projector reels comprising a carrier adapted to be mounted on the end of a reel shaft and rotatable therewith, a stub shaft projecting outwardly from the carrier eccentrically of the reel shaft, a pendulum pivotally mounted on the stub shaft, a weight on the lower portion of the pendulum, said pendulum extending above the stub shaft, a counterbalance adjustably mounted on the upper part of the pendulum, a counterbalance adjustably mounted on the carrier diametrically opposite the stub shaft, a bell carried by the stub shaft, and a hammer on the pendulum for striking the bell when the pendulum starts to swing at a predetermined speed of the reel shaft.

2,457,902
PRESSURE MEASURING APPARATUS
David D. Jones, Norwalk, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 18, 1946, Serial No. 642,044
6 Claims. (Cl. 73—140)



1. A pressure measuring apparatus, which comprises an extruding head having a passage extending therethrough which is provided with an entrance end and an exit end, means for forcing material into the central portion of the passage under pressure, means mounted slidably in the passage in the extruding head between the central portion and the entrance end of the passage for preventing flow of the material toward the entrance end of the passage, compressible means positioned in the passage in the extruding head between the entrance end of the passage and the flow preventing means and being compressible along its axis, fixed means for holding the compressible means against the flow preventing means so that the material under pressure compresses the compressible means, and means for measuring the pressure on the material from the compression of the compressible means.

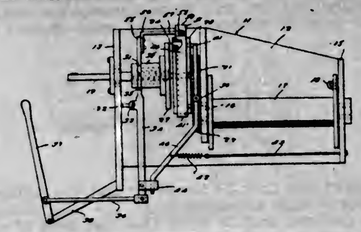
2,457,903
BEVERAGE PREMIX SYSTEM
James Kantor and Edward F. Rosenberg, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application July 16, 1943, Serial No. 494,972
9 Claims. (Cl. 183—2.5)



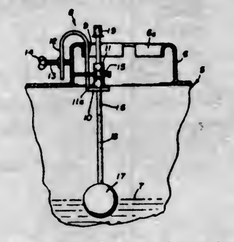
5. In an apparatus for preparing a carbonated beverage, in combination, a mixing tank, an inlet nozzle arranged in the top of said tank, a syrup tank associated with said mixing tank communicating with said nozzle, a water tank associated with said mixing tank and communicating with said nozzle, means for maintaining a partial vacuum in said mixing tank for creating a flow from said water and syrup tanks into said mixing tank and for deaerating the mixed liquids in said mixing tank, said water tank being adapted for connection with a water supply and said syrup tank being adapted for connection with a syrup supply, means for shutting off the inflow of water to said water tank when the liquid in said water tank rises to a predetermined level, means for shutting off the inflow of syrup through said syrup tank when the liquid in said tank rises to a predetermined level, means for shutting off the inflow through said nozzle and means controlled by the liquid level in each said water and syrup tanks for operating said shut off means when the liquid level in said syrup or water tank falls below a predetermined level.

2,457,904
BUCK RAKE WINCH CLUTCH AND BRAKE CONTROL
Richard C. Kenck, Augusta, Mont.
Application February 13, 1948, Serial No. 8,257
4 Claims. (Cl. 254—187)

1. A winch apparatus comprising a support, a drive shaft journaled in said support, a drum rotatably mounted on said drive shaft, a reel journaled in said support, means coupling said reel to said drum, a brake band secured to said support and encircling said drum, means biasing said brake band into braking contact with the drum, a sleeve keyed to said shaft and slidable axially thereon, a friction disc on said shaft between said sleeve and said drum and movable into engagement with said drum, a lever pivoted to said support and engaging said sleeve to move the sleeve axially responsive to rotation of said lever, and means carried by said lever and engageable with said brake biasing means for relieving the braking tension on said brake band responsive to the rotation of said lever.



2,457,905
FUEL TANK INDICATOR
Arthur J. Korody, Cardington, Ohio
Application April 10, 1947, Serial No. 740,667
2 Claims. (Cl. 73—322)

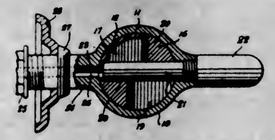


2. An indicator attachment for a tractor type fuel tank filler neck comprising a U-shaped bracket, said bracket being of a size to arch over and straddle a portion of said filler neck, the outer limb of said bracket being provided with set screw releasably engageable with the outer surface of said filler neck, the inner limb of said bracket having its terminal laterally directed and providing a foot, said foot being apertured and having a sleeve lined up with said aperture and rising vertically from the foot, said sleeve constituting a guide member, said sleeve being provided on diametrically opposite sides with outstanding ears having screw-threaded holes, and set screws threaded through said holes, said set screws being on diametrically opposite sides of the sleeve and engageable with the inner surface of said filler neck, an indicator rod slidable through said sleeve, and a float on said rod.

2,457,906
BEER FAUCET
Peter G. Larkin, New York, N. Y.
Application March 26, 1946, Serial No. 657,082
3 Claims. (Cl. 137—69)

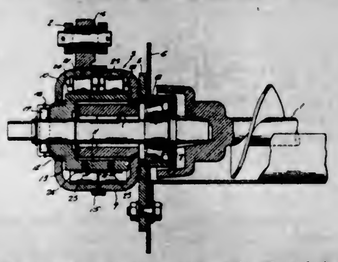
1. A faucet comprising a tubular body, a rotatable core contained therein and provided with an horizontal slot with a flared opening and an end wall, a port hole in said end wall, an inlet

in said body positioned to register with said port hole when the core is in one position, an outlet in said body in juxtaposition to the flared opening in said slot, a dispensing nozzle attached to said outlet, a tubular extension on the rear end of the nozzle positioned to project into said slot and abut the rear wall thereof, means for rotating said core to position the end wall of said slot



between the inlet of the body and the adjacent orifice of said extension when the core assumes one position and to align the port hole of said end wall in juxtaposition with the inlet of said body and the orifice of said extension when the core is turned in the opposite direction, and means for limiting the rotation of said core to a predetermined arc.

2,457,907
CLUTCH AND BRAKE DEVICE
Philip C. Malmsten, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application September 23, 1946, Serial No. 698,651
1 Claim. (Cl. 192—12)



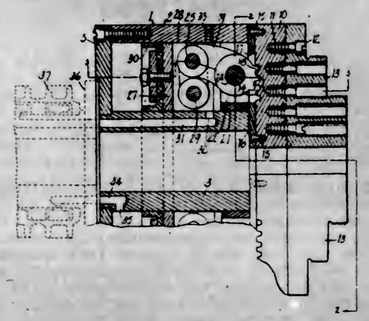
In a clutch unit for communicating intermittent rotary movement to a driven member, a housing encircling said driven member and separated axially of the member into a fixed section and an oscillating section, a cam surface provided longitudinally of said driven member, separate cages disposed on said cam surface with a freely rotatable drive roller confined in one cage beneath the rotatable section of the housing and a corresponding braking roller confined in the other cage beneath the fixed section of the housing, a common bracket securing said cages to the driven member and leaving the cages free to reciprocate independently of each other transversely of said cam surface, and a spring disposed between said bracket and each cage to bias the rolls to wedging action between the cam surface and their respective housing to intermittently drive and brake the driven member upon oscillation of the oscillating housing section.

2,457,908
COUPLING
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to Lewyt Corporation, Brooklyn, N. Y., a corporation of New York
Application July 24, 1947, Serial No. 763,377
4 Claims. (Cl. 285—163)

1. In a vacuum cleaner assembly a coupling for wand and accessory sections, said coupling including the adjacent ends of tubular sections to be telescopically disposed with respect to each other, the outermost of said sections having an annular groove in its inner face, a flexible ring extending within said groove and having its inner edge defining a circle of less diameter than the

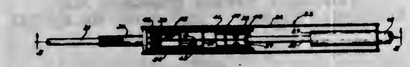
innermost section to be embraced thereby, said sections at their adjacent ends presenting reduced and tapered surfaces for contact with each other and the tapered surface of the innermost of said sections presenting an edge portion of less diameter than the internal diameter of the outermost of said sections.

2,457,909
HYDRAULIC CHUCK
William J. A. McKay and Arthur J. Koon, Grand Rapids, Mich.
Application August 15, 1946, Serial No. 690,653
7 Claims. (Cl. 279—4)



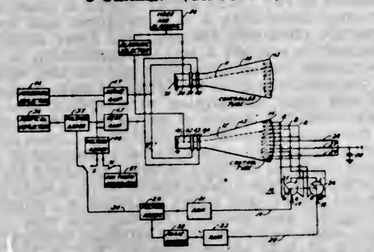
1. A hydraulic chuck comprising a body member having inner and outer cylindrical portions joined together at their ends in spaced relationship by front and rear end plates, said front plate being cut away in a series of radially extending slots, said slots being under-cut or widened at their inner edges, a pair of shoe slide members positioned in each of said slots and having notched outer edges engaging the undercut portions of said slots, a jaw slide member positioned between each of said pairs of shoe slides and having rack teeth formed on the rear faces thereof, shoe plates secured to the back of each jaw slide and connected to the backs of the shoe slides associated therewith, said shoe plates defining apertures exposing said rack teeth, a spider member mounted between said cylindrical portions and adjacent said shoe plates, pinion levers pivoted on said spider and having teeth engaged with said rack teeth, an annular piston positioned between said cylindrical portions, links pivotally connected between said piston and said pinion levers whereby axial movement of said piston causes radial movement of said jaw slides, said inner cylindrical member defining passages whereby fluid under pressure may be admitted to either side of said piston, and jaw members secured to said jaw slides.

2,457,910
FLEXIBLE CABLE
Peter J. McLaren, New York, John A. Vaughan, Hempstead, and Victor A. Svensson, New York, N. Y., assignors to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Application February 2, 1946, Serial No. 645,142
23 Claims. (Cl. 74—501)



1. A cable assembly comprising a sheath, a slender power transmitting element in said sheath movable lengthwise therealong to actuate a device by remote control, rollable bearing means for supporting said element in said sheath for lengthwise movement therein, and means automatically operable upon lengthwise movement of said power transmitting element for positively driving said supporting means in the direction of movement of said power transmitting element at a rate which is different from but predetermined with respect to the rate of lengthwise movement of said power transmitting element.

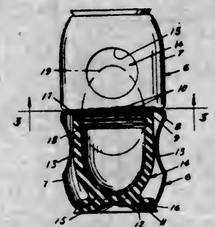
2,457,911
DEVIATION CORRECTION FOR CATHODE-RAY BEAMS
Allen C. Munster, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1946, Serial No. 711,969
8 Claims. (Cl. 315—9)



1. In an electrical system: means for producing a first beam of electrified particles; means for producing a second beam of electrified particles; means, including common means, for simultaneously deflecting both said beams cyclically along similar preselected paths; means for maintaining said second beam at substantially fixed intensity during deflection along said path; means associated with said second beam and responsive to deviations of said second beam from its preselected path for generating correcting voltages identifiable with the direction of said deviations; and means operating in synchronism with said deflection cycles for selectively applying said correcting signals to both said beams in such manner as to oppose said deviations.

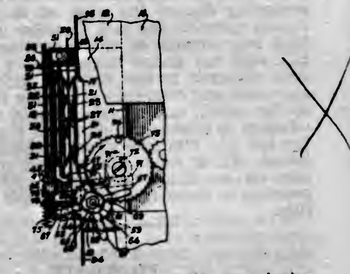
2,457,912
EGG OPENER WITH AN ANNULAR CUTTING FLANGE AND SUCTION CUP HOLDER
Victor E. Murray, Cincinnati, Ohio, assignor of three-fifths to W. O. Mashburn, Jr., and one-fifth to Robert Adair Black, both of Cincinnati, Ohio
Application December 6, 1945, Serial No. 633,089
9 Claims. (Cl. 146—2)

4. An egg opener comprising a pair of footed cups of rubber like material conjointly adapted to enclose an egg from its opposite ends, a shell of rigid material connected to each cup at the foot thereof and concentrically surrounding the body of the cup, and an inturned cutting ring at the top of each shell and disposed in a plane immediately above the plane of the top of the



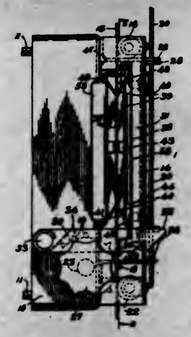
associated cup, the footed cups being yieldable adjacent their respective connections with the associated rigid shell members whereby relative shifting of the cutting rings transversely of an inserted egg permits the mouths of said cups to independently assume eccentric relationship with the operative edges of the cutting rings.

2,457,913
FILM GATE
Otto R. Nemeth, Chicago, Ill.
Application May 22, 1944, Serial No. 536,720
13 Claims. (Cl. 88—28)



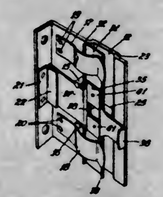
1. In combination in a strip film projector, means for guiding a strip of film in a predetermined path, a pair of transparent panels adapted to press the film strip therebetween and hold it against buckling during projection of a concentrated light beam therethrough, one of said panels being mounted to remain stationary relative to the film, means carrying the second panel including relatively stationary supporting structure and means movable relative to said supporting structure carrying said panel, a plurality of movement guiding members rigid with said carrying means and projecting slidably through the supporting structure, resilient means normally operative between such supporting structure and said panel-carrying means for urging the latter towards said one transparent panel, cam surfaces on said rigid members, and means movably mounted on said supporting structure and engageable with said cam surfaces for selective coaction therewith for urging the rigid members into movement in a direction away from said panels and thus moving the panel-carrying means and thereby the second panel in opposition to said resilient means to effect a separation of such panel relative to the first mentioned panel and thus release the film for movement between the panels.

2,457,914
CONVERTIBLE FILM GATE CONSTRUCTION
Otto R. Nemeth, Chicago, Ill.
Application May 22, 1944, Serial No. 536,723
2 Claims. (Cl. 88—23)



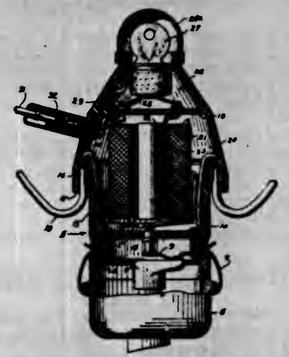
1. In combination in a film gate construction for strip film projectors, a film gate structure including an offset outwardly extending mounting flange having a shoulder extending in the same direction as the edge of the flange, a rail, supporting means for the rail, said rail having a flange cooperating with the supporting means to form a channel adapted for slidably receiving said mounting flange, the edge of said rail flange closely approaching said shoulder in the assembled relationship of the mounting flange and rail, said rail flange having a stop notch in its edge adjacent to one end and including a cam approach and clearance extending from said end to the notch, and a node on said shoulder and adapted to engage in said notch for interlocking the rail and film gate structure against unintentional sliding displacement, said node and the edge on said flange defining said clearance being coactive to resist free sliding of the panel structure.

2,457,915
FILM GATE
Otto R. Nemeth, Chicago, Ill., assignor to Otto R. Nemeth, Inc., Chicago, Ill., a corporation of Delaware
Application July 8, 1946, Serial No. 682,979
9 Claims. (Cl. 88—17)



1. In a film gate for motion picture projectors, the combination of a frame element consisting of a sheet metal stamping having a mounting portion and a flat face portion, with a film channnel formed in the face portion; together with a pressure plate consisting of a sheet metal stamping adapted to be positioned within the aforementioned film channel; a handle for the pressure plate; and spring means positioned to engage the pressure plate and normally maintain it in the film channel; said pressure plate and film channel having cooperating cam surfaces adapted to lift the plate from the channel and maintain it in spaced relationship with the channel in response to manual manipulation of the handle.

2,457,916
IGNITION APPARATUS
Thabous A. Newton, Flomaton, Ala.
Application January 8, 1946, Serial No. 639,713
1 Claim. (Cl. 123—148)



In apparatus of the class described, a housing adapted to cap a distributor having a rotor, said housing comprising a pair of upper and lower separate chambers therein, the lower chamber adapted to contain a coil for connection to the distributor, contacts depending from the bottom of the lower chamber and adapted to be engaged by said rotor, an ignition wire leading into the lower chamber, a pair of contacts in the bottom of the upper chamber adapted to be connected to said wire and coil, a lock barrel suspended in the upper chamber having a member threaded therethrough for rotary adjustment toward and from the bottom of said upper chamber, a conductor carried by said member for bridging said contacts when said member is adjusted toward the bottom of said upper chamber, and a key for rotating said member, said housing having a closure removable for access to said member to insert said key therein.

2,457,917
PURIFICATION OF TITANIUM HALIDES BY TREATMENT WITH METAL HYDRIDES AND DISTILLATION
Douglas Gillison Nicholson, Pittsburgh, Pa.
No Drawing. Application September 23, 1947, Serial No. 775,745
9 Claims. (Cl. 202—57)

1. A method for purifying a titanium tetrahalide which comprises intimately associating said halide with a salt-like metal hydride, at an elevated temperature.

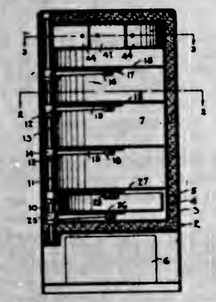
2,457,918
SOAP CONTAINER
Melvin A. Pierce, Waitsburg, Wash.
Application March 22, 1946, Serial No. 656,405
1 Claim. (Cl. 45—28)

A soap container, including a resilient base member having a pair of aligned bores therein, flanged metallic sleeves seated in said bores, cup

means for securing said base to a support, a wire hook having straight parallel fingers extending from its extremities and adapted for insertion

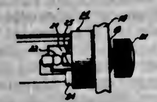
to said sleeves, and a flexible open mesh bag adapted for threading on said hook and normally depending therefrom, inversion of said bag serving to eject the soap therefrom.

2,457,919
CIRCULAR REFRIGERATOR WITH PIVOTED ROTATABLE SHELVES
James Eaton Ramsey, Houston, Tex.
Application February 7, 1944, Serial No. 521,294
5 Claims. (Cl. 62—89)



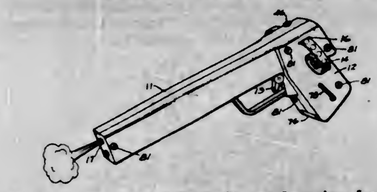
1. A refrigerator including a circular housing having a door portion hinged to swing outwardly and curved to conform to the housing, an upstanding support member disposed substantially upon the circular inside wall of the housing, a plurality of swingable arms vertically adjustable up and down on said support, and rotatable shelves on said arms whereby access may be had to every portion of each shelf.

2,457,920
UNITARY VOLUME-CONTROL SWITCH AND DIALITE ASSEMBLY
John F. Rider, New York, N. Y.
Application September 6, 1946, Serial No. 695,330
2 Claims. (Cl. 201—56)



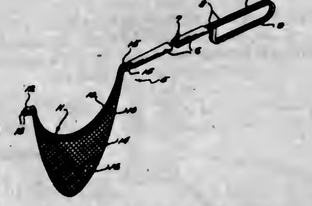
1. In combination, a volume control resistor having a movable contact member and having a central rotatable hollow shaft to which said contact member is attached, a pilot lamp stationarily mounted in registry with the open rear end of said shaft, and a knob attached to the forward end of said shaft said knob having at least a light transmitting central region arranged for illumination by the passage of light from said lamp through said hollow shaft.

2,457,921
AUTOMATIC CAP PISTOL
William Riederich, Elmhurst, Ill.
Application April 27, 1944, Serial No. 533,975
6 Claims. (Cl. 42—57)



2. A toy cap pistol including a housing having barrel and grip portions, having a port, firing means, cap tape-feeding means and means for driving the firing means and the feeding means to fire a succession of caps, means for retarding the operation of the driving means comprising a gear train and an air propelling member driven thereby, and means cooperating with the air-propelling member to cause it to blow smoke from the caps through the port.

2,457,922
NET
Herman V. Robinson, Thorsby, Ala.
Application August 7, 1946, Serial No. 688,941
2 Claims. (Cl. 43—12)

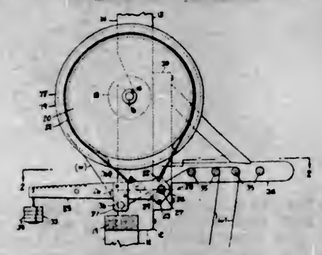


1. A fish net comprising in combination, a tube-like socket, a pair of parallel rods rotatably positioned in said socket and protruding at both ends therefrom, a pair of handles provided on the protruding ends of said rods at one end of said socket, the remaining end portions of said rods being arcuated and constituting complemental sections of a collapsible frame, a sack of netting secured to said frame, and means for restricting the rotation of said rods.

2,457,923
WARP BEAM LETOFF FOR LOOMS
Thomas M. Russell, Jr., Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a corporation of Connecticut
Application August 26, 1947, Serial No. 770,707
5 Claims. (Cl. 139—109)

5. In a self-regulating section-beam let-off for looms: a frame; a section-beam; pivotal-means arranged to rotatably mount said section-beam on said frame; brake-means for said section-beam comprising a pair of brake-bands, a pair of brake-arms, a pivotal-member arranged to secure the forward ends of said brake-arms to said frame forwardly of the pivotal-means of said section-beam, and fastening-members arranged to secure the ends of said brake-bands to said brake-arms at points above and below respectively the median lines thereof and rear-

wardly of said pivotal-member; a warp-roller; means to secure said warp-roller to said brake-arms rearwardly of said brake-band fastening-members and below the median lines of said

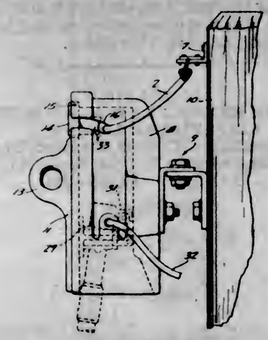


brake-arms the warp of said beam passing from the back side thereof under said roller forwardly to said loom; and a warp-tensioning weight supported at the rear end of each of said brake-arms.

2,457,924
PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application March 8, 1945, Serial No. 581,598
2 Claims. (Cl. 206—56)

1. A dispensing package comprising opposed flat layers of tearable flexible packaging material sealed together along zones which form and bound an elongate compartment between said layers to receive articles closed at its ends and including a plurality of sections spaced longitudinally of said compartment which communicate with each other only through normally open passages between adjacent sections of such normal cross-sectional area as normally to prevent movement of the articles from one compartment section into another, said passages being formed by portions of said sealed zones extending from opposite sides of said compartment into the spaces between adjacent sections of said compartment and leaving portions of said layers unsealed and said sealed zones and said packaging material being of a nature that they may be deformed or stretched to increase the cross-sectional area of each passage and permit movement of an article therethrough upon exertion of outward pressure on the walls of said passage caused by the forcing of an article from an adjacent compartment section into said passage by application of squeezing pressure on the exterior of two opposite walls of said compartment section behind said article, whereby an endmost compartment section can be opened by tearing said packaging material outwardly of said section or between it and an adjacent section to permit removal of the article therefrom and accidental removal of the articles from the other compartment sections being prevented through said passages but deliberate removal of said articles being possible by squeezing them through said passages between the respective sections and said opened section or by tearing open the corresponding sections.

2,457,925
AERIAL CABLE CUTOUT
George C. Salmons and Lee J. Dornbos, Stroudsburg, Pa., assignors to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application March 17, 1947, Serial No. 735,196
4 Claims. (Cl. 200—114)

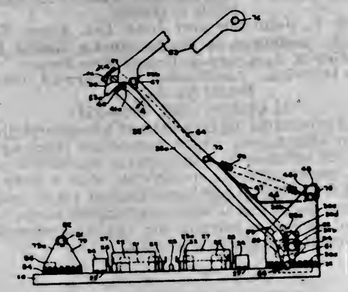


1. A cutout construction arranged to normally electrically connect an unbroken line conductor to a load conductor comprising an insulating housing having an open front and having slotted sides with the slots extending inwardly from the front edges of the sides and arranged to allow passage of the unbroken line conductor inwardly of the housing, an upper stationary terminal having fastening means for electrically connecting the unbroken line conductor to the upper stationary terminal, a lower stationary terminal electrically connected to the load conductor, cut-out means normally electrically connecting the upper and lower terminals, and a hinged door for said housing arranged to provide access to the fastening means of the upper terminal, said door having wings extending inwardly of said housing when said door is closed and arranged to close that portion of the slots not occupied by the said unbroken line conductor.

2,457,926
FILM LOADING DEVICE
Robert Sardeson and Edward H. Savela, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application July 10, 1944, Serial No. 544,278
18 Claims. (Cl. 95—100)

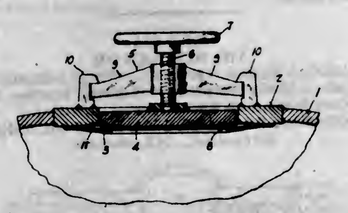
1. A loading device for placing films in a film hanger, which hanger has a plurality of gripping means each comprising pairs of gripping members resiliently urged into position for gripping said films at spaced points about their edges having in combination, a base, a plurality of spaced supports on said base adapted to have films laid thereon respectively with their flat sides engaging said supports, the edge portions of said films overhanging the edges of said supports respectively, resilient means on said base on which said hanger is placed in position substantially parallel to and above the plane of said films and

adjacent said films, abutment members on said base arranged to engage one of the members of each of said pairs, means movable toward said films and hanger and engaging said hanger constructed and arranged to exert pressure on said hanger and move the same parallel to said films to relatively move said members of each pair and separate the members of each of said pairs and to engage flex and move one of said members



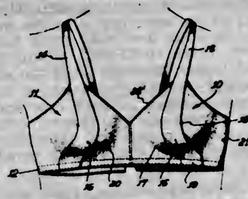
of each pair nearer said film, against, and past the edge portions of said films respectively, to cause said edge portions to be bent about said edges of said supports respectively and to be released and to snap back and be positioned between said members respectively so that said members will grip said films when said pressure is released by reverse movement of said third mentioned means.

2,457,927
CLOSURE FOR PRESSURE VESSELS
Charles M. Scudder, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 2, 1945, Serial No. 591,799
5 Claims. (Cl. 220—57)



1. A closure for a manway opening in the wall of a vessel or the like confining fluid under pressure, which comprises a reinforcing ring welded within the manway opening to reinforce the vessel adjacent said opening, a flexible plate-like ring member having its outer edge portion welded to the reinforcing ring and its inner edge portion freely disposed and projecting within the manway opening, a cover seated on said flexible ring and provided to close the opening in the vessel, and a bail assembly secured to said reinforcing ring and to the center of said cover to hold said cover seated on the flexible ring and flex the latter inwardly to pre-load the ring so that it follows the cover and maintains a seal therebetween as the cover yields outwardly under pressure from the fluid confined in the vessel.

2,457,928
BRASSIÈRE CONSTRUCTION
Zelta M. Silva, Los Angeles, Calif., assignor to Tichenor & Ferguson, Los Angeles, Calif., a partnership composed of Celfax C. Tichenor, E. Stirling Ferguson, and Mary L. Smith
Application February 25, 1946, Serial No. 649,834
2 Claims. (Cl. 2—42)



1. In a brassière made of flexible, compliant material and including a pair of preformed, breast-receiving pockets, a waist band and shoulder straps, the combination of: a strap section carried by and angularly traversing each breast-receiving pocket, each strap section traversing the upper portion of a pocket in a downward and inward direction from a zone of connection with a shoulder strap to a zone displaced inwardly from the apex of the pocket, then changing direction at said zone and traversing the lower portion of the pocket downwardly and outwardly to the waist band.

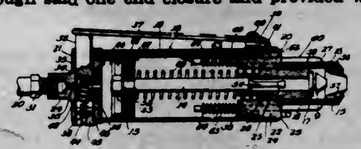
2,457,929
SAFETY ATTACHMENT FOR SHOTGUNS
James E. Slockbower, Ramsey, N. J.
Application February 5, 1946, Serial No. 645,619
2 Claims. (Cl. 42—70)

1. A safety attachment for shotguns comprising, in combination, a tubular housing open at the ends thereof, a downwardly extending bracket at one end of said housing, said bracket adapted to be secured to a gun stock, a slidable plunger extending into said one end of said housing, a push button at the outer end thereof and a transversely extending pin at the inner end of said plunger, a longitudinal slot in said housing, said pin protruding through said slot and engageable with the safety catch of a gun upon which the device is mounted, a retainer in the other end of said housing, and a compression spring extending between the inner end of said plunger and said retainer and normally holding said plunger and said associated catch in the locked position.

2,457,930
FLUID PRESSURE OPERATED DEVICE FOR INSERTING CUSHION PADS
Herbert A. Smith, Pasadena, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application July 17, 1944, Serial No. 545,376
4 Claims. (Cl. 29—235)

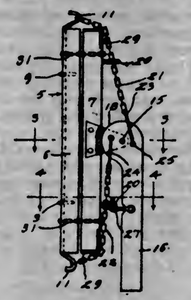
1. A portable device adapted to insert an oversized resilient cushion pad or like article into an

aperture in a structural part and comprising a cylinder with end closures, a nozzle connected fixedly to, and extending lengthwise of, the cylinder, disposed outwards of one of the end closures so as to define therebetween a pad receiving space, adapted to have the outer end thereof placed against the aperture defining portion of the structural part, and having a centrally disposed orifice the outer end of which is approximately the same in size as the aperture, a piston mounted in the cylinder to slide back and forth between the end closures, valve controlled means for introducing fluid under pressure into the end of the cylinder having the other endclosure in order to force the piston towards said one end closure, a piston rod having one end thereof connected to the piston and its other end extending slidably through said one end closure and provided with



a ram of less width than the orifice in the nozzle positioned in centered relation with said orifice and shaped and arranged so that after insertion of the pad into said space and placement of the outer end of the nozzle against said aperture defining portion of the part and in response to shift of the piston toward said one end closure and relatively to the cylinder, it operates to extrude the pad part way through the nozzle and into the aperture, and automatic piston actuated means whereby when the rod is slid by the piston to a position wherein the ram is disposed adjacent the outer end of the nozzle the piston, rod and ram are arrested and the nozzle and cylinder are caused to be shifted away from the structural part in order to extrude the remainder of the pad from said nozzle.

2,457,931
CLAMP
Zelmer E. Snow, Arvada, Colo.
Application May 7, 1947, Serial No. 746,497
4 Claims. (Cl. 24—243)



1. In a clamp of the character described, a pair of elongated bars forming clamping jaws, one of said bars being provided with a hook disposed beyond each end thereof, a lever having one end pivotally supported on the other bar and outwardly of the outer side thereof and a pair of flexible members having remote ends detachably connected to said hooks and engaging slidably over the outer end corners of the last mentioned bar or jaw and having opposite adjacent ends pivotally connected to the lever on opposite sides of and spaced from the lever pivot whereby said flexible members will be tightened when the lever is swung in one direction relatively to the jaws for drawing the jaws together and into clamping relationship.

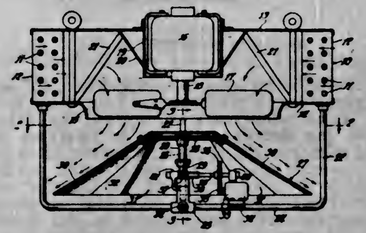
2,457,932
SALTS OF TOCOPHERYL PHOSPHORIC ACID ESTERS
Ulrich V. Solmssen and John Lee, Essex Fells, N. J., assignors to Hoffmann-La Roche Inc., Nutley N. J., a corporation of New Jersey
No Drawing. Application February 12, 1946, Serial No. 647,198
11 Claims. (Cl. 260—333)

1. A process of making salts of tocopheryl phosphoric acid esters, which comprises reacting an alcoholic solution of a tocopheryl phosphoric acid ester, under aqueous conditions, with a base selected from the group consisting of alkali metal, alkaline earth metal, and ammonium bases, said alcohol being a solvent for the corresponding tocopheryl phosphate acid salt.

2,457,933
PROCESS FOR ELECTROLYTIC REDUCTION OF PENTONIC ACID LACTONES
Hans Spiegelberg, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 18, 1946, Serial No. 642,111. In Switzerland November 10, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1964
10 Claims. (Cl. 204—77)

1. A process of reducing an inner lactone of a pentonic acid to a sugar which comprises subjecting an aqueous electrolyte containing a salt of a metal capable of forming an amalgam and containing said lactone to electrolysis treatment in an electrolysis cell, said reduction being effected at an amalgam cathode in said cell, and maintaining said electrolyte acid-responsive to Congo indicator throughout said reduction of the lactone to the sugar.

2,457,934
AIR DEFLECTOR
Benjamin Spieth, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application August 26, 1944, Serial No. 551,404
10 Claims. (Cl. 98—40)



1. In combination with a unit heater and a motor driven fan, a supporting frame carried by the unit heater, a spindle supported by said frame, a rotatory cone-shaped deflector whose axis is substantially coaxial with the axis of the motor shaft, and whose base is disposed in one and the same plane, said deflector having several cone

segments, some of which extend at a greater angle of inclination to the axis of the cone than others, and means to rotatably support the deflector on said spindle with its apex end disposed on the discharge side of the fan.

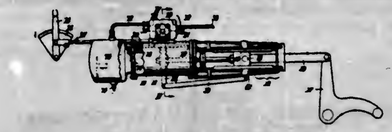
2,457,935
COLLAPSIBLE CHILD'S CARRIAGE
George A. Stackhouse, Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application May 4, 1945, Serial No. 591,923
16 Claims. (Cl. 280—41)

13. In a collapsible carriage, the combination with a running gear frame, of wheels, wheel hangers pivotally mounted on said frame, a collapsible handle, means for locking said handle in its erected and collapsed positions, operating connections for said handle to said wheel hangers whereby they are simultaneously actuated to wheel erecting and to wheel collapsing positions, and wheel supporting springs disposed in oppositely facing outwardly bowed relation with their upper ends connected to the said wheel hangers to swing therewith.

2,457,936
JET-POWERED LIFTING ROTOR FOR ROTARY WING AIRCRAFT
Edward A. Stalker, Bay City, Mich.
Application March 21, 1945, Serial No. 583,919
8 Claims. (Cl. 170—135.4)

1. In combination in a rotary wing aircraft, a hollow blade, means supporting said blade for rotation about an upright axis, said blade having a spanwise slot in its surface adapted to discharge a gaseous flow therethrough, a partition within said blade dividing the interior thereof into a plurality of ducts each having a portion of said slot as an exit, means to cause combustion in a said duct to raise the temperature of said air therein, and flap means on said blade associated with said duct in which combustion has taken place to provide increased flow area to accommodate the greater volume of flow of the heated air therethrough.

2,457,937
FLUID MOTOR WITH EMERGENCY SUPPLY RESERVOIR
Carleton K. Steins, Merion, and Harry A. Heke, Altoona, Pa., assignors to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 26, 1944, Serial No. 519,724
3 Claims. (Cl. 60—57)



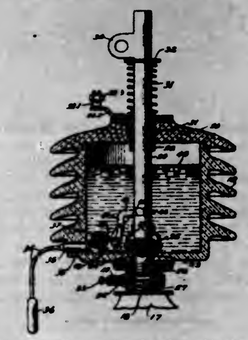
1. In a power reverse gear for steam locomotives and the like, a double-acting cylinder; control means for selectively controlling flow of pressure-fluid from a supply source to the opposite ends of the cylinder; a reservoir normally in communication with the pressure fluid supply source; and means incorporated in said control means automatically operative in the event of failure of the supply source, to trap pressure-fluid in the reservoir for availability in a number of subsequent emergency operations of the gear.

2,457,938
OPHTHALMIC MOUNTING WITH CONCEALED LENS-CARRYING AND NOSE-GUARD-CARRYING ARMS
Frederick A. Stevens, Providence, R. I.
Application March 23, 1946, Serial No. 656,548
1 Claim. (Cl. 88—42)

An ophthalmic mounting comprising a bridge member having an intermediate portion and two end portions respectively joined to the intermediate portion and depending therefrom, and two one-part arms each having upper and lower ends, the upper end only of one of the arms being connected to the bridge member in the neighborhood of the junction between the intermediate portion and one of the end portions, the upper end only of the other arm being connected to the bridge member in the neighborhood of the junction between the intermediate portion and the other end portion, the lower ends of the arms being disposed in the neighborhood of and to the rear of the lower ends of the respective end portions, the points of connection between the upper ends of the arms and the bridge member being disposed at the rear of the bridge member and the arms extending downward below their respective said points of connection behind the respective end portions to conceal the arms substantially completely behind the respective end portions of the bridge member when viewed from the front of the bridge member, the lower end of each arm being provided with a lens-carrying member and a nose-guard-carrying member, the lens-carrying members being secured to the outer side faces of the said lower ends of the said arms behind the lower portions of the respective end portions of the bridge, and a nose guard carried by each nose-guard-carrying member, the arms and the nose-guard-carrying members being bendable

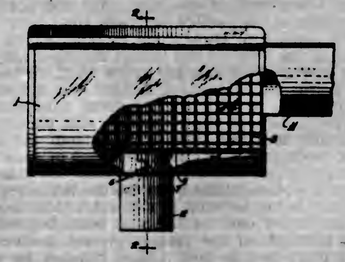
throughout their lengths to permit of a wide range of adjustment of the positions of the lens-carrying members and the nose guards while maintaining the arms substantially completely concealed behind the respective end portions.

2,457,939
HIGH-VOLTAGE SWITCH
Charles L. Streep, Oak Park, Ill.
Application December 15, 1944, Serial No. 568,279
8 Claims. (Cl. 200—140)



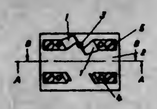
1. A cut-out device for high voltage transformers wherein the windings of the transformer are immersed in a body of oil, said cut-out device comprising an insulated hollow housing closed at both ends and containing an arc-quenching medium therein, a stationary contact located in the medial lower end of said housing and provided with upstanding spring contact clips, an elongated movable contact arm axially positioned in said housing and in alinement with said stationary contact, the upper end of said arm extending through and beyond the upper end of said housing, an axially positioned bearing in the upper end of said housing in which said contact arm is movable, spring means surrounding the portion of said arm extending beyond the upper end of said housing to normally urge disengagement of said contact arm and stationary contact, a keeper formed on said contact arm adjacent the lower end thereof, a latch bar located within said housing, one end thereof arranged to seat in said keeper, and temperature-responsive means for solely actuating said latch bar upon abnormal rise in temperature of the oil in the transformer.

2,457,940
GUTTER LEADER UNIT
Joseph W. Swenson, Summit, N. J.
Application August 14, 1946, Serial No. 690,493
4 Claims. (Cl. 108—28)



1. A gutter leader comprising a relatively deep chamber formed from suitable material and adapted to have a gutter enter an end of the chamber above the bottom thereof, a drain nozzle leading out of the bottom of the chamber, an expansible sleeve loosely fitting within the drain nozzle and projecting above the bottom of the chamber with means for determining the amount of projection, the sleeve fit being such as to pass water along the exterior surface of the sleeve into said nozzle, a strainer having a sectional view somewhat like a U and extending the length of the chamber with the bottom of the U positioned near the top of said sleeve with the arms of the U extending to lines near the top of the chamber.

2,457,941
THERMOCONTACT
Henrik Szabó, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application February 21, 1946, Serial No. 649,357
In Sweden March 16, 1945
1 Claim. (Cl. 200—142)

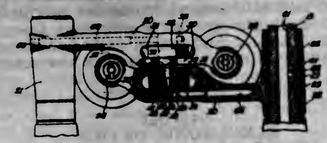


Thermocontact preferably for fire alarm installations comprising two bimetal strips, the inner ends of which are adapted to be fastened to a base or the like, each strip consisting of a long portion projecting from the base and a short portion projecting at an angle from said first mentioned portion, means in the form of an easily fusible metal alloy for soldering the outer ends of the short portions of the strips together, one of the strips, in its whole extent, being arranged on one side of a plane running between the ends which are soldered together and the other strip, in its whole extent, being arranged on the other side of said plane, and said long portions lying in different planes forming an angle with each other and running substantially perpendicular to said first mentioned plane.

2,457,942
GEAR CONSTRUCTION AND ARRANGEMENT
Rollin P. Van Zandt, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application April 16, 1947, Serial No. 741,818
2 Claims. (Cl. 74—432)

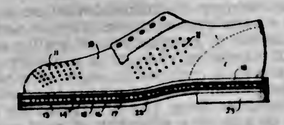
1. A cluster gear adapted to be mounted on a splined shaft comprising, separate gear parts having splined bores for reception of the shaft, and means for connecting said gear parts together including lugs on each gear part interengageable upon relative rotation of the parts to secure them against axial separation whereby the splined connection of the parts on the shaft will prevent their separation.

2,457,943
ROCKER ARM CONSTRUCTION
Jesse G. Vincent, Grosse Pointe, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application November 13, 1945, Serial No. 628,018
10 Claims. (Cl. 74—519)



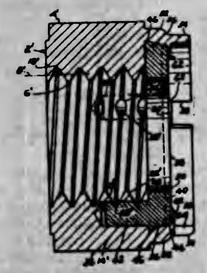
1. A rocker arm construction of the character described comprising an arm member, a cam-engaging roller, an axle supporting said roller and extending transversely of said arm member with the ends of the axle lying within the limits of the side faces of said member, means for holding the axle against endwise and rotational movement relative to said member and subjected to operational stresses, and axially extending means in said axle mounted substantially free of operational stresses for preventing dislodgement of said first-mentioned means.

2,457,944
VENTILATED SHOE
Andreas G. Vlastos, New York, N. Y.
Application July 10, 1947, Serial No. 759,932
8 Claims. (Cl. 36—3)



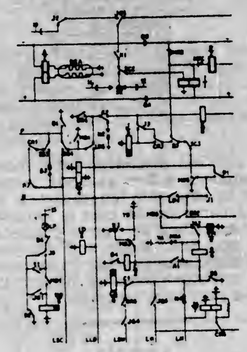
1. A shoe including an insole formed of open mesh netting, a slip-sole of flexible resilient plastic having channels open to the netting and open at the sole edge, a rubber sheet outside the slip-sole, a welt above the insole, stitches passing through the welt and the sheet, and a wear sole cemented to the rubber sheet.

2,457,945
SELF-LOCKING NUT MEANS AND THE LIKE
Adolph F. von Seden, Los Angeles, Calif.
Application March 2, 1944, Serial No. 525,185
3 Claims. (Cl. 151—7)



1. In a castellated nut of the class described, a body member, a threaded bore passing through said body member, a tapered recess at one end of said nut and extending into said body member, a plurality of sockets in said recess, extending into said body member and passing through a portion of said threads, an insert washer means having a plurality of longitudinally extending inserts and disposed in said tapered recess and said sockets, respectively, for engaging and pressing the cooperative threads of a screw when passing through the thread convolutions of said nut, a tapered annular edge at the inside section of said insert washer means for engaging the threads of cooperative screw, and ledge means at the outer edge of the wall of said recess for holding said last mentioned means in place.

2,457,946
TOLL METERING BY DISCRIMINATING SELECTOR REPEATERS
Reginald Taylor and George Thomas Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application December 11, 1944, Serial No. 567,552
In Great Britain February 16, 1944
9 Claims. (Cl. 179—9)



1. In a telephone system, a satellite exchange, a selector repeater including a two motion switch in said exchange, and local lines and metering equipments accessible to said switch, a main exchange line, a calling line connected to said repeater, said repeater operated to seize said main exchange line and operated in response to impulses received over said calling line to repeat them over said main exchange line and to operate said two motion switch, and discriminating means controlled by the primary movement of said switch for causing it to associate an idle metering equipment with said calling line when the main exchange line is desired or to extend the calling line over an idle one of said local lines and release the main exchange line.

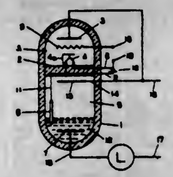
2,457,947
HIGH-FREQUENCY OSCILLATION TUBE
Albert G. Thomas, Lynchburg, Va.
Application December 21, 1942, Serial No. 469,602
11 Claims. (Cl. 250—27.5)

1. An electronic tube comprising, a cathode, an electron receiving element adjacent said cathode, a secondary emitting element on the opposite side of said cathode and at greater distance therefrom than said electron receiving element, an apertured electron accelerating element between said

secondary emitting element and said cathode and closely adjacent said secondary emitting element,

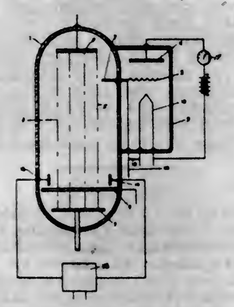
said electron receiving element and said secondary emitting element being electrically connected.

2,457,948
ELECTRON DISCHARGE DEVICE
Albert G. Thomas, Lynchburg, Va.
Application February 16, 1945, Serial No. 578,244
9 Claims. (Cl. 250—27.5)



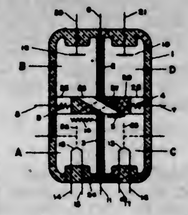
1. In an electron discharge tube, means forming two chambers, a first cathode, a grid, and a first anode in one said chamber; a pool type cathode, a second anode, and a control element in the other said chamber; an impedance element connecting said first anode and one terminal of said first cathode, and another impedance element connecting the other terminal of said first cathode and said pool type cathode.

2,457,949
COMBINATION BEAM SHIFT-GRID CONTROL TUBE
Albert G. Thomas, Lynchburg, Va.
Original application August 14, 1943, Serial No. 498,621. Divided and this application May 31, 1945, Serial No. 596,906
5 Claims. (Cl. 250—27.5)



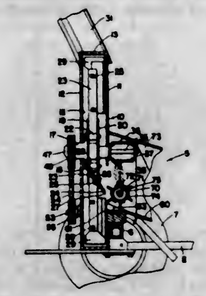
1. An electronic tube comprising, a first cathode, a first anode positioned to receive electrons from said first cathode, a second cathode spaced from said first cathode, a second anode positioned to receive electrons from said second cathode, grid means positioned intermediate said cathodes and said anodes for controlling electron flow between said first cathode and said first anode, and means intermediate said second cathode and said second anode for producing a field to shift the stream of electrons travelling from said second cathode to said second anode relative to said grid means to vary the potential thereof.

2,457,950
ELECTRONIC DEVICE
Albert G. Thomas, Lynchburg, Va.
Original application January 18, 1945, Serial No. 573,366. Divided and this application November 15, 1945, Serial No. 628,784
12 Claims. (Cl. 250—27.5)



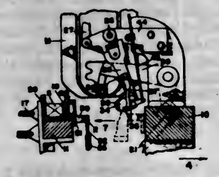
1. In an electron discharge device, an envelope, partition means with openings therein and forming a plurality of compartments within said envelope, an anode in each of a plurality of said compartments, a cathode in each of a plurality of said compartments, and means for controlling flow of electrons from any of a plurality of said cathodes to any of a plurality of said anodes.

2,457,951
ROTARY FEED CUTTER WITH SHEAR BAR ARRANGED ON A CHORD
Miles H. Tuft, Lancaster, Calif., assignor, by mesne assignments, to Deere Manufacturing Co., a corporation of Iowa
Original application May 11, 1942, Serial No. 442,563. Divided and this application August 30, 1944, Serial No. 551,933
14 Claims. (Cl. 146—112)



3. In a rotary cutting machine of the class described, the combination of a relatively stationary shear member having a main cutting edge along one side thereof, said shear member having a plurality of laterally spaced ridges extending generally transversely of said cutting edge along the surface which receives the material to be cut, said ridges terminating in cutting edges disposed in a plane with said main cutting edge and in angular relation therewith, a rotary chopping member having cutting edges movable substantially in said cutting edge plane, and a feed roll disposed adjacent said cutting edges and spaced from said material receiving surface to provide for passage of material between said roll and said surface toward said cutting edge but spaced therefrom a distance less than the height of said ridges, said roll being notched to receive the latter in intermeshing relation.

2,457,952
PNEUMATIC THREAD CONTROL FOR LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 4, 1946, Serial No. 667,411
19 Claims. (Cl. 139—256)

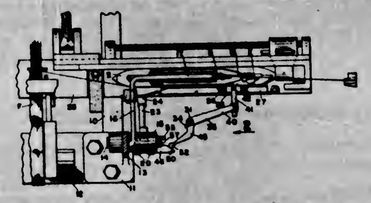


1. In a weft replenishing loom having a lay along which a thread extends from a depleted shuttle to the adjacent selvage, cutter and clamp mechanism between the selvage and shuttle effective to cut said thread and clamp the part thereof extending from the mechanism to the selvage, a selvage cutter effective to sever said part of the thread at the selvage subsequent to clamping thereof, whereupon said part of the thread depends from the cutter and clamp mechanism, and a pneumatic thread remover on the lay traversing a path below said cutter and clamp mechanism and into which the lower end of said part of the thread is drawn pneumatically subsequent to cutting at the selvage while still held by said mechanism, the latter subsequently releasing said part of the thread and the latter then being drawn into said pneumatic remover.

14. In thread cutter and clamping mechanism for two vertically spaced threads in a loom, cutter and clamp means movable in one direction with respect to the mechanism for action on the lower one of said threads, and an auxiliary cutter moving with and located above said cutter and clamp means and movable in the opposite direction with respect to the mechanism for cutting the upper one of said threads.

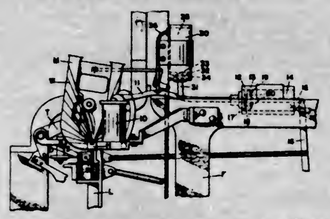
2,457,953
THREAD CUTTER FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 2, 1947, Serial No. 738,884
10 Claims. (Cl. 139—263)

4. In a filling cutter mechanism for a weft replenishing loom, a member moved forwardly by the lay during a replenishing operation of the loom, a pivot located at one side of the path of movement of the member, a lever on the pivot having a cutter element located thereon on that side of the pivot opposite to the member and having an arm extending toward said path of the member, resilient means urging the arm toward said member and causing said lever to turn to effect rearward movement of the cutter element as the member moves forwardly, and means on



the member having an inclined surface located forwardly of said pivot and engaging said arm and effective during forward movement of the member to enable the resilient means to move the arm forwardly at instantaneous rates of motion greater than the corresponding instantaneous rates of motion of the member.

2,457,954
PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 1, 1947, Serial No. 777,305
6 Claims. (Cl. 139—247)

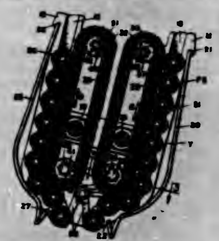


1. In a pneumatic control for the weft ends of reserve bobbins in a weft replenishing loom, storage means for air under subatmospheric pressures, a pneumatic holder for the weft ends, an air pump, hollow means of relatively large internal cross sectional area interconnecting the air pump, storage means and pneumatic holder, the pump effective on a working stroke thereof to create subatmospheric pressures within the storage means and pneumatic holder, and hollow pneumatic means of relatively small internal cross sectional area connecting the storage means and pneumatic holder enabling the subatmospheric pressures created within the storage means by said pump to create subatmospheric pressures within the pneumatic holder subsequent to completion of said working stroke.

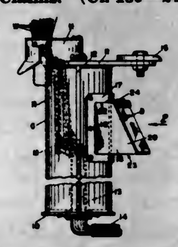
2,457,955
THREAD CONTROL FOR BOBBINS IN MAGAZINES
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 18, 1947, Serial No. 780,673
7 Claims. (Cl. 139—247)

7. In a weft replenishing loom magazine formed with a guideway down which reserve bobbins

wound with conical ended weft packages move by gravity toward transfer position, a belt having a flexible endless band supporting a mass of deformable fibers part of which extend along the guideway in frictional contact with the adjacent parts of the conical ends of the weft packages, and roll means rotatable on the magazine and around which the band extends, the bobbins when descending along the guideway causing the parts of the mass of fibers in engagement therewith to move down along the guideway and cause the band to move around and rotate said rolls.



2,457,956
THREAD CUTTER FOR PNEUMATIC THREAD RECEIVERS FOR LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 25, 1947, Serial No. 782,133
14 Claims. (Cl. 139—247)

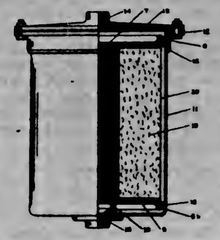


1. In a pneumatic thread control system for the weft ends of reserve bobbins in a weft replenishing loom, a hollow collector into which the weft ends are drawn by subatmospheric pressures which exist normally within the collector, a normally closed door on the collector which when open affords access to the interior of the collector and through which the weft ends can be drawn manually, and cutter means supported by the collector adjacent to the door to cut the weft ends after the latter have been drawn through the door.

2,457,957
INSECTICIDAL COMPOSITION OF PYRETHRINS AND 3,4-OXYMETHYLENE-PHENYL-1-BUTYLGLYCOL SYNERGIST
Herman Wachs, Brooklyn, N. Y., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 25, 1946, Serial No. 657,064
4 Claims. (Cl. 167—24)

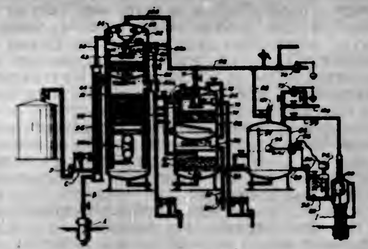
1. An insecticidal composition the active insecticidal ingredients of which comprise pyrethrins and as a synergist therefor, 3,4-oxymethylene-phenyl-1-butylglycol.

2,457,958
FILTER
Earl C. Walker, Altadena, Calif.
Application February 7, 1945, Serial No. 576,522
6 Claims. (Cl. 210—169)



1. A filter unit comprising: a plurality of sectoral elements each having integrally joined permeable side and end walls but open at its base, said sectoral elements joined edge to edge along the side margins of their bases and rolled into a hollow cylinder whereby the side walls of adjacent sectoral elements are in contiguous mutually supporting relation and the open bases of said sectoral elements are directed radially outward; and sealing means closing the axial ends of said cylinder.

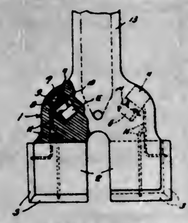
2,457,959
FILTERING TANK FOR WATER DISPOSAL SYSTEMS
Jay P. Walker, Tulsa, Okla., assignor to National Tank Company, Tulsa, Okla., a corporation of Nevada
Application January 19, 1942, Serial No. 427,330
3 Claims. (Cl. 210—49)



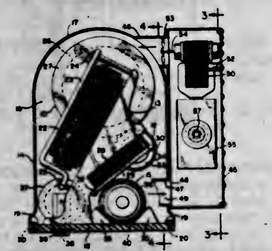
1. A filtering tank for a salt water disposal system including, an upper chamber having a water inlet, a lower chamber, a pressure equalizing pipe extending from the upper chamber to the lower chamber, a filter in the upper chamber, means for maintaining a water level in the upper chamber, a filter bed in the lower chamber, a water discharge pipe leading from the upper chamber from below the filter therein and discharging in the lower chamber above the filter bed therein, and a water discharge pipe leading from the lower chamber below the filter bed thereof.

2,457,960
DRILL BIT
William E. Walker, Houston, Tex.
Application June 15, 1944, Serial No. 540,405
3 Claims. (Cl. 255—61)

1. In a drill bit including cutting edges, a closed container mounted on said bit and containing an indicating material, there being a communicable passage extending from said container and terminating at a point within said cutting edges, an explosive cooperatively associated with said container, a source of electric current carried by said bit and grounded to the latter, an ignitible element operatively associated with said explosive and electrically connected to said source, and a conductor insulated from said bit extending through said passage and having one end connected to said ignitible element and its other end positioned in the termination point of said passage, whereby wearing away of the cutting edges to an extent such as to remove the insulation from the end of the conductor complemental thereto and bring said conductor into electrical contact with said bit causes the ignitible element to ignite the explosive and upon the ignition of the explosive to open the container and discharge the indicating material into the surrounding hole.

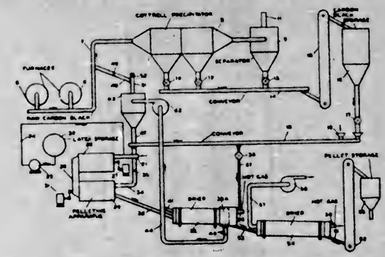


2,457,961
X-RAY UNIT
Bruno F. Wehmer, Melrose Park, Ill., assignor to The Wm. Meyer Company, Chicago, Ill., a corporation of Illinois
Application September 26, 1946, Serial No. 699,534
2 Claims. (Cl. 250—89)



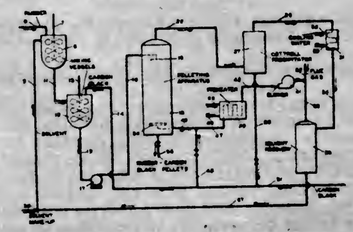
1. An X-ray unit comprising, in combination, an X-ray tube, transformer means having high and low voltage windings for providing operating potentials to said tube, said X-ray tube having cooling fins thereon, a main housing for said X-ray tube and transformer means, said main housing having a Sylphon type expansion-compensating bellows therein including means providing a passage communicating with external atmospheric pressure, an auxiliary housing on one side of the main housing and provided with two fluid flow passages communicating with the main housing, one of said fluid flow passages being adjacent the cooling fins on the X-ray tube and the other being adjacent the high voltage winding of the transformer means, said main and auxiliary housings together providing a liquid-tight container and being substantially filled with an electrical insulating heat-conveying liquid, a cooling radiator mounted in said auxiliary housing and having connections for the flow of coolant therethrough, and electrically driven impeller means mounted in said auxiliary housing for effecting flow of said heat-conveying liquid from the main housing through the passage adjacent the cooling fins and into the main housing through the passage adjacent the high voltage winding of the transformer means so that said cooling radiator cools the heat-conveying liquid intermediate said passages in said auxiliary housing.

2,457,962
AGGLOMERATION OF POWDERED MATERIAL
Thomas H. Whaley, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 19, 1945, Serial No. 578,738
5 Claims. (Cl. 260—766)



2. The process of making a carbon black product which comprises wetting dry flocculent carbon black with latex, forming the wetted carbon black into pellets, contacting said wet pellets with further dry flocculent carbon black, contacting the pellets containing latex with heated dry gas at a temperature within the range of about 300° F. to about 500° F. for a period of time sufficient to remove the major portion of the water therefrom, and contacting the partly dried pellets with a second stream of dry gas at a temperature within the range of about 200 to about 300° F. for a period of time sufficient to remove substantially all of the remaining water therefrom.

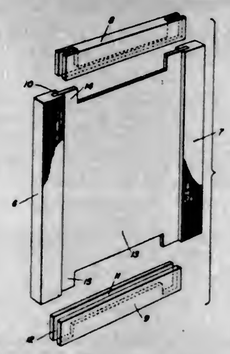
2,457,963
PELLETING CARBON BLACK
George Thodos, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 21, 1946, Serial No. 642,447
5 Claims. (Cl. 18—1)



1. A process for the production of small discrete particles of carbon black and rubber comprising spraying a slurry of carbon black in a solution of rubber axially and at a central point into the inlet end of a cylindrical contacting zone having an inlet end and an outlet end with re-

spect to flow of said carbon black and rubber, maintaining a helically moving hollow cylindrical layer of hot gas and flocculent carbon black adjacent the cylindrical wall of said zone and surrounding said sprayed slurry of carbon black and rubber and removing dry discrete particles of carbon black and rubber containing a surface layer of carbon black.

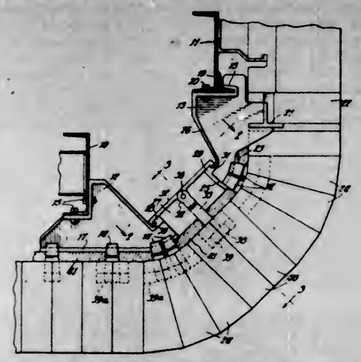
2,457,964
PANELLING CONSTRUCTION
John McCord Wyche, Hugo, Okla.
Application September 8, 1945, Serial No. 615,141
1 Claim. (Cl. 20—15)



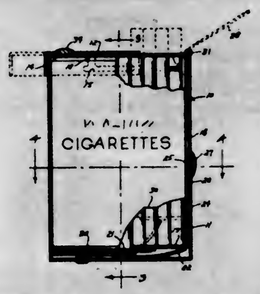
A panel construction comprising a pair of side frame members provided with longitudinal inner edge grooves therein extending from end to end thereof and being of uniform depth respectively, a rectangular panel having straight sides of the same length as said members fitting in said grooves flush with the ends of said members and formed with rectangular extensions at the corners of the panel projecting in part out of said grooves, and top and bottom frame members fitting between said side members and formed with longitudinal inner edge grooves fitting over said panel between the corner extensions, said top and bottom frame members having transverse through end grooves therein fitting over the projecting parts of said extensions.

2,457,965
REPLACEABLE FURNACE ARCH NOSE CONSTRUCTION
William George Young, Chicago, Ill., assignor to Chicago Fire Brick Company, a corporation of Illinois
Application October 30, 1944, Serial No. 561,081
7 Claims. (Cl. 110—99)

1. A nose arch construction for furnaces, comprising a supporting framework including pairs of oppositely disposed supporting castings having tile supporting means thereon, wedge shaped tile carried by said means at the adjacent ends of the castings, each casting of a pair having a shelf thereon, a bar resting on the shelves and providing a bridge between the two castings of a pair, a tile hanger suspended from the bar, and nose tile carried by said hanger and removably mounted thereby between the wedge shaped tile carried by the opposite castings of a pair of said supporting castings, the wedge shaped tile having their axes disposed at an angle with respect to each other, the said nose tile being as small in cross section at the furnace end as they are intermediate the ends whereby they may be lifted out by raising the bar from said shelves.



2,457,966
DISPENSING CIGARETTE CASE
Joseph P. Zaidan, Philadelphia, Pa.
Application November 6, 1946, Serial No. 708,127
2 Claims. (Cl. 206—41.2)

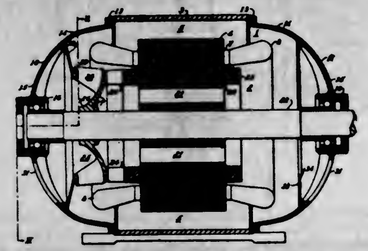


1. A cigarette case of the kind described comprising a body having an open upper end, an L-shaped ejector in said body on one side thereof, resilient means constantly urging said ejector upwardly in said body, a sliding cover on one side of said body opposite from said ejector, a hinged cover on the upper end of said ejector, said hinged cover partially underlying said sliding cover in the closed position thereof whereby said ejector is restrained in said case in the closed position of said sliding cover and is urged upwardly to extend from said case upon sliding of said sliding cover to the open position.

2,457,967
HIGH VELOCITY MOTOR VENTILATION
Ward D. Abbott, Orchard Park, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1946, Serial No. 711,328
10 Claims. (Cl. 171—252)

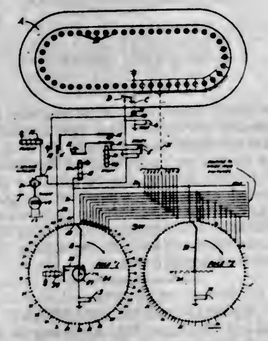
1. A dynamo-electric machine comprising a stator-member and a rotor-member, said stator-member having a stator-frame and a stator-core supported by the stator-frame, the stator-frame

comprising an outer enclosure-member spaced radially from the major portion of the outer periphery of the stator-core and thus defining a plurality of axially extending stator-ventilating ducts which admit of an axial airflow over the stator-core from one end of the core to the other, and a stator-winding carried by the stator-core; two perforated brackets mounted on the stator-frame, one at each end; bearings carried by said perforated brackets; said rotor-member having a rotor-core having a plurality of axially extending rotor-ducts, and having a shaft which



is supported by said bearings; characterized by said rotor-member having internal blower-means for producing an end-to-end flow of cooling air, entering the machine through one perforated bracket, passing through said axially extending stator-ventilating ducts, and leaving the machine through the other perforated bracket, and also having internal blower-means for recirculating air through the rotor-ducts and the same stator-ventilating ducts in such direction that both the end-to-end airflow and the recirculation are in the same direction in said stator-ventilating ducts.

2,457,968
AUTOMATIC PACING SYSTEM
Charles C. Allen, River Forest, and Jacques J. Filliung, Jr., Chicago, Ill.; said Filliung assignor to said Allen
Application October 5, 1946, Serial No. 701,604
9 Claims. (Cl. 177—337)



1. In an automatic pacing system for pacing racers or the like on a race course, signals spaced along said race course, means for operating said signals in successive order, and at a rate that is variable at different portions of said race course, means at the starting line for initiating the operation of said signals when the racer starts the race, and means for stopping the operation of said signals after the last signal is operated independent of the position of racer on the race course.

2,457,969
ROTATION DEVICE FOR ROCK DRILLS
James H. Anderson, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 28, 1947, Serial No. 737,898
3 Claims. (Cl. 121—7)

1. In apparatus of the character described, a casing having a piston chamber, a reciprocatory piston therein, a fluid actuated oscillatory member in the casing having a plurality of radially extending vanes, a plurality of wings on the casing to define pressure chambers for the vanes, passages in the casing for conveying all of the exhaust fluid from the piston chamber to the pressure chambers for actuating the member, atmospheric exhaust ports in the casing for the pressure chambers controlled by said vanes, a chuck rotatable within the member, a working implement in the chuck to receive the blows of the piston, and means for connecting the chuck intermittently with the said member for rotating the chuck during movement of the member in one direction.

2,457,970
PROCESS FOR PRODUCING MICROSPHERICAL SILICA GELS
James C. Ballie, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application August 11, 1945, Serial No. 610,404
8 Claims. (Cl. 252—259)

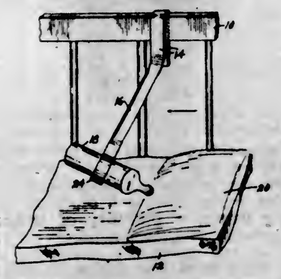
1. The process of preparing strong microspherical silica catalysts, substantially free of alkali metal, which comprises removing the alkali metal from an alkali metal silicate solution containing about 2 to 10 per cent SiO_2 by passing said alkali metal silicate solution into contact with an ion exchange resin having the power of combining with alkali metal ion, dispersing the resulting silica solution substantially free of alkali metal in a stream of a dehydrating gas whereby the solution is formed into droplets and the drop-

lets are suspended in said gas, maintaining the said droplets in suspension for sufficient time to permit said silica to gel in microspherical form and drying said microspherical gel particles while in suspension in said gas and out of contact with solid surfaces.

2,457,971
SILICA SOL
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 29, 1945, Serial No. 631,768
5 Claims. (Cl. 252—313)

1. The process of making substantially alkali metal-free silica sol from an alkali metal silicate solution which comprises adjusting the concentration of said solution to an SiO_2 content of between about 10 and about 30 per cent and contacting said solution with an ammonium ion exchanger by flowing said solution thru a mass of said exchanger in granular form.

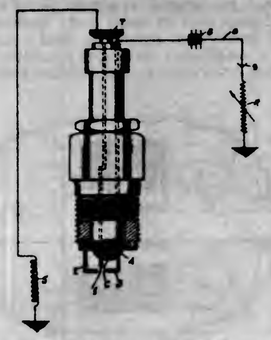
2,457,972
NURSING BOTTLE HOLDER
Lillian D. Bailey, Leominster, Mass.
Application August 14, 1946, Serial No. 690,401
1 Claim. (Cl. 248—103)



An article of manufacture comprising an elongated flat strip of relatively, stiff but resilient material, such strip having an integral hook at one end thereof in form of an inverted U, the arms of the U being parallel, one arm of the U being free ended and the other arm of the U continuing in an extension down away from the arms of the U at an angle thereto, said continuing extension terminating in a closed expansible loop having a free end overlapping the strip material so that the loop is closed even though expanded to a considerable extent, said loop being disposed well below the U-shaped hook to depend into an enclosure with the hook supported above the loop on a vertical support, whereby the angled extension must lie at an angle to the vertical support to hold a nursing bottle in horizontal spaced relation to the vertical support.

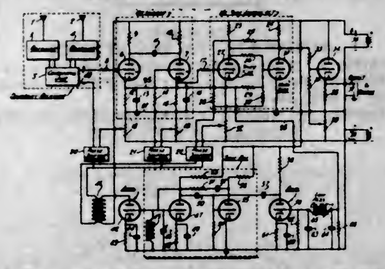
2,457,973
IONIZING MEANS AND METHOD OF IONIZATION
Marietta Blau, New York, N. Y., assignor to International Rare Metals Refinery, Inc., New York, N. Y., a corporation of New York
Application August 31, 1945, Serial No. 613,869
6 Claims. (Cl. 315—111)

1. A spark plug which has an insulating core and a pair of firing electrodes which are separated by a spark gap, a radium cell fixed to said core, said cell producing a gaseous decay product of radium which disintegrates to produce successive ionizing decay products which include radium A, radium B, and radium C, said cell being permeable to said gaseous decay product, a conductive collector fixed to said core, means for impressing a



sufficient negative potential on said collector to collect ionizing decay products resulting from the disintegration of said gaseous decay product upon the surface of said collector, said collector being sufficiently close to said spark gap to ionize the medium therein by means of said collected ionizing decay products.

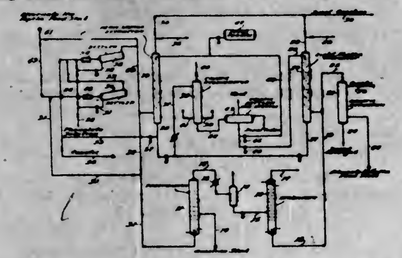
2,457,974
PULSE TYPE TELEGRAPH RECEIVER
Warren H. Bliss, Orono, Maine, assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1943, Serial No. 491,088
20 Claims. (Cl. 178—88)



1. In a pulse communication system, a receiver having means for collecting the incoming pulse signals, an electron tube trigger circuit, an audio frequency oscillator operating at the fundamental pulse frequency, means for combining the output of said local oscillator with the output of said receiver and applying the resultant wave to said trigger circuit, said means including a phasing circuit, and means for synchronizing said oscillator from said trigger circuit.

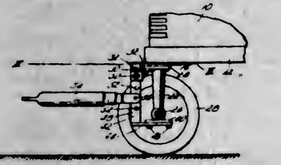
2,457,975
REMOVING MERCAPTANS
John A. Bolt, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 9, 1944, Serial No. 525,663
7 Claims. (Cl. 196—33)

1. The process of removing mercaptans from a sour light naphtha substantially free of phenols which comprises continuously contacting said light naphtha with a caustic alkali solution containing phenols as a solutiser sufficient to substantially increase the solubility of mercaptans therein, thereby extracting mercaptans from said naphtha and simultaneously decreasing the concentration of phenols in said caustic solution owing to the distribution of phenols between said caustic solution and said naphtha, separating said caustic solution from said naphtha, re-



moving mercaptans from said caustic solution thereby regenerating it for further use, recycling said regenerated caustic solution to the naphtha extraction step and controlling the phenols concentration of said caustic solution by contacting a regulated portion of it with a stream of heavy naphtha containing a substantially higher concentration of phenols than said light naphtha first mentioned, and returning the said portion to the light naphtha contacting cycle.

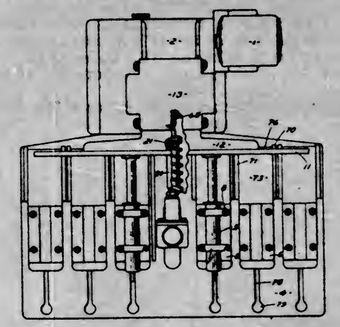
2,457,976
TRACTOR HITCH
Clyde E. Clapper, Kansas City, Mo.
Application February 10, 1947, Serial No. 727,662
5 Claims. (Cl. 280—33.5)



1. In combination with a tractor having a front axle carried by a rotatable vertical steering stem extending downwardly from the frame of said tractor, a tractor hitch comprising a vertical member rigidly connected at its upper and lower ends with said stem, means for adjusting the effective vertical length of said member, and means for attaching a drawbar to said member, at a variable elevation thereon.

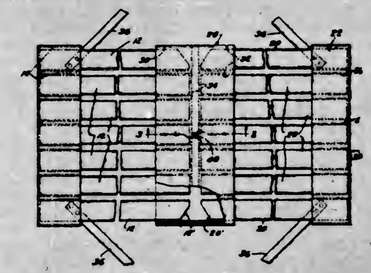
2,457,977
CONTINUOUS INJECTION MACHINE
Leonard T. Cookson, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
Application October 27, 1945, Serial No. 625,658
9 Claims. (Cl. 128—218)

1. In a machine for actuating a plurality of syringes, the combination comprising: a source of rotary motion; means for selectively reducing the velocity of said rotary motion and translating it into lineal motion; a cross-head mounted for reciprocating motion; means responsive to said lineal motion effecting movement of said cross-head; means for individually mounting said plurality of syringes for independent and dissimilarly timed cooperation with said cross-head including a plurality of platforms mounted for selective adjustment axially of said syringes; means for individually, and releasably locking said platforms against such axial movement and



means for mounting a syringe on and demounting same from each of said platforms, all so arranged and constructed that the syringes may be individually actuated at predetermined separate periods and may be individually mounted or demounted all without interfering with the movement of said cross-head.

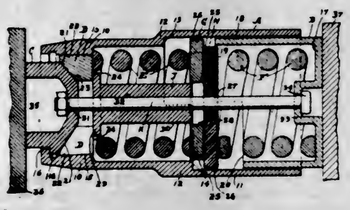
2,457,978
SELF-OPENING COLLAPSIBLE CHAIR
Frank J. Curran, Hinsdale, Ill.
Application September 25, 1946, Serial No. 699,111
1 Claim. (Cl. 155—153)



A collapsible chair of the character described having a back and a seat, the back being formed of parallel slats, the seat being formed of parallel slats, a member formed of flexible material and disposed between the rear ends of the seat slats and the lower ends of the back slats, said member being formed to provide pockets receiving the ends of said slats, the lateral slats of the seat and back at their adjoining ends being angularly cut away inward from the outer edges of the slats to permit these lateral slats to be turned into angular relation with their companion slats, means flexibly connecting the upper ends of the back slats, means flexibly connecting the outer ends of the seat slats, flexible straps connected to the upper ends of the lateral back slats and the forward ends of the lateral seat slats, a coiled spring member disposed between the lower end of a back slat and the inner end of a seat slat, said spring having legs, one leg extending for a

distance behind the back slat and the other leg extending for a distance below the seat slat, then through openings in the slats and then parallel with and slidably held against the forward face of the back slat and the upper face of the seat slat.

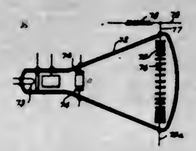
2,457,979
FRICTION SHOCK ABSORBING MECHANISM FOR RAILWAY DRAFT APPLIANCES
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 30, 1946, Serial No. 700,317
5 Claims. (Cl. 213—34)



1. In a friction shock absorbing mechanism, the combination with a friction casing; of a friction clutch slidingly telescoped within the front end of the casing; a spring follower member slidingly telescoped within the rear end of the casing, said follower being movable inwardly of the casing to a predetermined extent less than the full compression stroke of the mechanism; front and rear springs within the casing yieldingly opposing relative movement of said clutch and spring follower member toward each other; a follower plate engaging the rear end of said front spring; a second follower plate engaging the front end of said rear spring, said follower plates being normally in engagement with each other to transmit the force from one spring to the other to effect compression thereof in series during movement of said spring follower member inwardly of the casing to said prdetermined extent; stop means on said spring follower member engaged by said first named follower plate after said spring follower member has been moved inwardly of the casing to said predetermined extent to arrest relative movement of said first named follower plate and spring follower member, said front spring being compressed between the clutch and the first named follower plate upon inward movement of the clutch with respect to the friction casing; and pressure transmitting means movable inwardly of the friction casing with said clutch and engageable with said second named follower plate after said spring follower member has been moved inwardly of the casing to said predetermined extent to move said second named follower plate toward said spring follower member to compress said rear spring in tandem with said front spring.

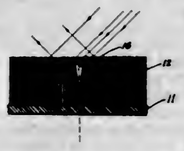
2,457,980
METHOD OF AND APPARATUS FOR BUNCHING ELECTRONS
Lee de Forest, Los Angeles, Calif.
Application September 1, 1944, Serial No. 552,265
8 Claims. (Cl. 315—21)

1. In a device of the character described, the combination of: a substantially circular conductor; a plurality of oscillators mounted on and spaced along said conductor; means for producing



a cathode beam; and means for causing said beam to impinge upon said oscillators in sequence.

2,457,981
CATHODE BEAM TUBE
Lee de Forest, Los Angeles, Calif.
Application November 24, 1944, Serial No. 564,973
3 Claims. (Cl. 250—164)

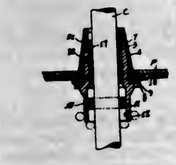


1. A light valve for a cathode beam projection tube, comprising: a large number of light-transparent, parallel flexible fibres of uniform dimensions; and electronic means adapted for so displacing a portion of said fibres relative to the other of said fibres that the transference of light through said displaced fibres is impaired.

2,457,982
METHOD OF PRODUCING BUILDING PANELS
Otto A. Deichmann, San Francisco, Calif.
Application December 9, 1942, Serial No. 468,441
1 Claim. (Cl. 25—154)

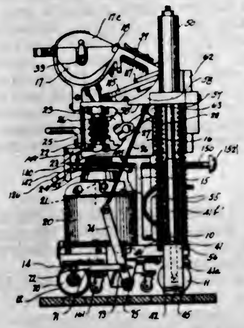
The method of applying spaced coatings to a horizontal prefabricated building panel having spaced studs with a layer of open mesh lathing attached to the lower sides of said studs and grounds connecting each of the adjacent ends of the studs and extending below said lower sides and said lathing; consisting in laying said panel with the grounds engaging a horizontal casting platform for spacing said studs and lathing thereabove and with side forms on all sides thereof resting on said platform; then flowing plaster through said lathing against the platform, the grounds and the side forms until said lathing is embedded in the plaster; then attaching an impervious covering material with a superimposed layer of open mesh lathing to the upper sides of the studs; and then flowing plaster through the last-named lathing and against the impervious material and the side forms until the last-named lathing and the upper sides of the studs are embedded in the plaster applied thereto.

2,457,983
PRESSURE-TIGHT GROMMET
Jan de Swart, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware
Application December 12, 1944, Serial No. 567,862
15 Claims. (Cl. 285—6.5)



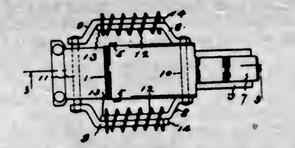
1. A pressure-tight grommet, comprising: an element having a plurality of expansible tongues; a conduit; a tubular member adapted to expand said tongues and having an abutment flange adapted to co-act with said tongues to secure a plate therebetween; means adapted to secure said element and said tubular member together; a sealing member interposed between said plate and flange; and a sealing means interposed between said tubular member and conduit.

2,457,984
FLOOR NAILING MACHINE
Daniel J. Dougherty, Snohomish, Wash., assignor of forty-nine one hundredths to Oscar A. Gregorson, Seattle, Wash.
Application August 21, 1945, Serial No. 611,826
6 Claims. (Cl. 1—46)



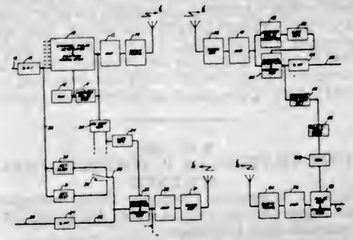
1. A floor nailing machine comprising a base, rollers supporting said base for its straight line travel across a floor, a motor on the base, a shaft continuously driven by the motor, a clutch operable by the driven shaft to drive one of the rollers to cause intermittent advance movements of the base across a floor and means to cause the clutch to effect movements of alternate short and long intervals of definite length, nail driving means on the base, and devices operated by said driven shaft to effect a nail driving operation following each advance movement of the base.

2,457,985
CLOSURE FASTENER
Louis M. Dyson, New Britain, Conn.; Beatrice N. Dyson, administratrix of said Louis M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application February 2, 1945, Serial No. 575,810
10 Claims. (Cl. 292—247)



1. A closure fastener which comprises a catch, a shackle member, and a loop pivoted thereto and extending to engage said catch; said loop comprising a pair of oppositely disposed U-shaped portion with the side extensions thereof in sliding relation at opposite sides of said shackle member, and spring means between the ends of and abutting said extensions for urging said portions to shorten said loop and thereby draw the catch towards the shackle member.

2,457,986
SYNCHRONIZATION OF TIME DIVISION MULTIPLEX COMMUNICATION SYSTEM
James O. Edson, Great Kills, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 11, 1945, Serial No. 634,359
15 Claims. (Cl. 250—9)

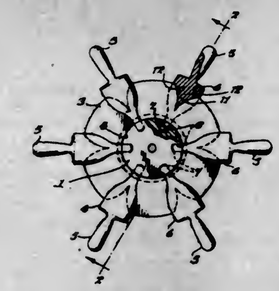


1. In a system for two-way communication between a main station and a plurality of substations by time division multiplex, the method of regulating the time of transmission from each substation to prevent interference between the channel pulses from the respective substations received at the main station which comprises, transmitting from the main station for each channel a pulse having a characteristic proportional to the time position of the received pulse of that channel, and regulating the transmission from each respective substation in accordance with said characteristic of the respective pulse received from the main station.

2,457,987
HELM WHEEL
Joseph Egedi, Buffalo, N. Y.
Application April 7, 1947, Serial No. 739,874
3 Claims. (Cl. 114—160)

1. A helm wheel comprising a hub, a plate constituting the body of the wheel and having a central opening by means of which it is fitted closely upon the perimetric surface of the hub,

the plate being substantially co-planar with the central plane of the hub and the hub being provided with radially extending sockets open to its perimetric surface, and radially extending spoke elements provided at their outer ends with handles and at their inner ends with axial extensions secured in the sockets with a close fit, the spoke elements being each provided in a central longitudinal plane with a recess which in the lateral dimension is of diametric extent and in the longitudinal dimension extends from a point suitably inward of the handle to and through the exten-



sion, the plate having a close fit in the recesses of the spoke elements, the spoke elements have side portions which provide the side walls of the recesses and the recesses being so formed as to provide webs which project radially inward from the parts of the spoke elements which are of continuous cross section, the plate having recesses open to its perimetric face and which conform in dimensions and outline to the webs and the webs having a close fit within the recesses of the plate, the sockets being substantially symmetrical to the central plane of the plate as fitted upon the hub.

2,457,988
PREPARATION OF P-ACETYLPHENYL ACETATE
William S. Emerson, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 6, 1946, Serial No. 660,311
2 Claims. (Cl. 260—479)

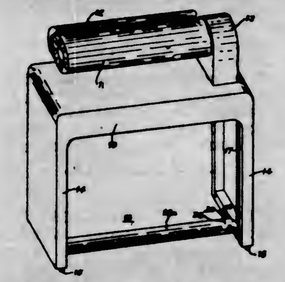
1. A method of preparing p-acetyl-phenyl acetate which comprises contacting p-ethyl-phenyl acetate with oxygen at a temperature above the boiling point of water in the presence of a catalyst consisting of from 80 to 20 parts by weight of chromium oxide and 20 to 80 parts of cobalt hydrate, the reaction being conducted under conditions such that the gaseous reaction products are immediately removed from the reaction zone.

2,457,989
BRASSIÈRE
Ruth Ettleson, Chicago, Ill.
Application August 2, 1946, Serial No. 688,265
5 Claims. (Cl. 2—42)

2. A garment of the class described comprising a pair of breast-receiving cups, each of said cups having a pair of marginal stiffening members, said members being positioned at each side of each cup and extending upwardly and diagonally to a common point at the top center of each cup to form a Gothic arch, and a medial stiffening member extending from the bottom center of each cup

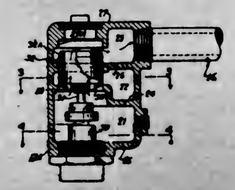
to the top of the Gothic arch formed by the side stiffening members.

2,457,990
IRONING MACHINE CONTROL
Donald K. Ferris, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 14, 1942, Serial No. 465,563
3 Claims. (Cl. 38—56)



1. An ironing machine comprising an elongated standard having downwardly directed supports at each end of said standard, ironing mechanism supported on said standard, a pedal extending between said supports and controlling the starting of the ironing operation of said mechanism by downward movement of said pedal to ironing controlling position, casters on said supports, and brake means for preventing movement of said ironing machine on said casters, and means rendered operative by downward movement of said pedal beyond its ironing controlling positions for applying said brake means.

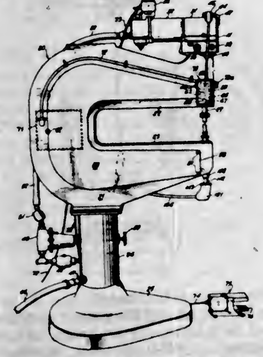
2,457,991
ENGINE TEMPERATURE CONTROL DEVICE
Robert W. Fernstrum, Detroit, Mich., assignor to Gray Marine Motor Company, Detroit, Mich., a corporation of Michigan
Application September 26, 1945, Serial No. 618,692
1 Claim. (Cl. 123—178)



Temperature control means for water jacketed marine engines having a water circulating pump, said control means consisting of a casing having

a water inlet connected to the water outlet of the engine jacket and having a pair of outlets for the water one outlet of which is connected to the intake of said pump and the other outlet leading to a point of discharge, said casing being divided by a pair of partitions into three chambers, an end one of which is the inlet chamber, said partitions and the end walls of said casing being substantially parallel and provided with a through passage, a unit consisting of a thermostat and a sleeve valve having a beveled end mounted in alignment on a screw plug, threaded into the end wall adjacent the inlet chamber and having the thermostat in said inlet chamber supporting the valve extending through said partitions, and a seat in the other end wall opposite the other end of said passage and into which the beveled end of said valve is adapted to move, said valve when the cooling water temperature is low, so located that water entering said casing is substantially all directed into the chamber leading to the pump and as said temperature increases is moved endwise by said thermostat to direct a part of said water to the discharge outlet in increasing proportion.

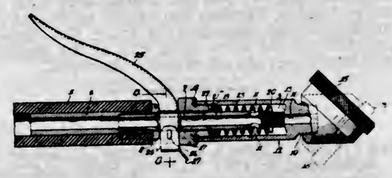
2,457,992
DIMPLING MACHINE
Howard R. Fischer, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1945, Serial No. 572,839
20 Claims. (Cl. 153—21)



1. In a press having a pair of jaws spaced apart and individually supporting mutually opposite tools for forming work sheets, operable means for bringing one of the tools toward the other tool upon a work sheet to form the latter and for separating the tools from each other, and movable control means adapted in one position to initiate operation of the operable means and in another position adapted to cause reversal thereof to separate said tools, the combination of an electrical actuating means connected to the control means and capable of moving the latter from the one position to the other, an electric switch means for controlling the circuit of the electrical actuating means to allow current from a current source to flow through and actuate said electrical actuating means and thereby move said operable means, a switch operating member movably associated with said other tool and projecting a sufficient limited distance toward the respectively opposite one tool to be moved by a work sheet when placed in proper forming position in relation to said other tool, a foot switch associated with the mentioned circuit for initially closing it at will, means communicating the movement of the switch operating member to said electrical switch means to effect closure of the latter, and automatic means arranged to be actuated in response to a predetermined pressure between the tools for causing said control means to reverse operation of said operable means for separating said tools and releasing the work sheet upon completion of the forming of the latter.

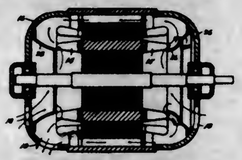
20. In a machine of the class described, a combination comprising a punch holder, a punch, resilient compression means mounted on the punch holder, means to retain the compression means in operative position including a ring adapted for limited longitudinal movement in a slot on the punch holder, means to preload the compression means to a predetermined degree of compression, a sleeve movably mounted on the punch holder and spaced from the punch, support means for the sleeve arranged between the sleeve and the compression means, and switch operating means connected to the sleeve support, said sleeve being movable by the weight of a work sheet when the latter is placed in proper forming position to transmit motion through the sleeve support to the switch operating means thereby to actuate a switch and being further adapted thereafter to maintain the work sheet in planar position by the transmission of reactive force from the resilient compressions means through the sleeve support means during the pressing operation.

2,457,993
SPRAYING DEVICE
Lynn Fletcher and John Winks, Lowell, Mich., assignors to Lowell Specialty Company, Lowell, Mich., a corporation of Michigan
Application July 20, 1944, Serial No. 545,773
3 Claims. (Cl. 251—134)



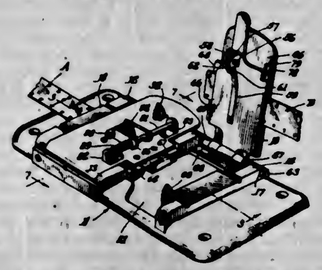
1. In a spraying device, the combination of a tube, a valve carried thereby, a body surrounding the tube and provided with a seat adapted to engage said valve, said body being longitudinally movable on the tube to open and close said valve and also rotatable with respect to the tube, spring means interposed between the tube and the body for holding said seat against said valve, a fulcrum member mounted on the tube in spaced relation to said body a handle having a bifurcated end portion straddling said tube between said fulcrum member and said body, said handle being arranged to contact said fulcrum member and said body when actuated whereby said body may be moved against the force of said spring to open said valve, a thumb latch carried by said bifurcated end of said handle for latching said body in open valve position, and a single pin extending through said handle and said latch for holding the handle on said tube and pivoting said latch on the handle.

2,457,994
DOUBLE-END-VENTILATED MOTOR
William H. Formhals and James H. Penney, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 13, 1947, Serial No. 734,502
3 Claims. (Cl. 171—252)



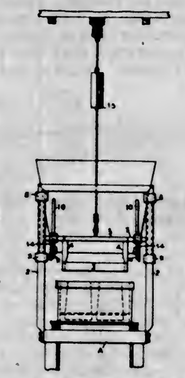
1. A double-end-ventilated dynamo-electric machine comprising: a stator-member having a laminated stator-core with an airgap-bore, stator-windings having end-turns projecting from each end of the stator-core, and an imperforate stator-frame extending around the stator-core in spaced relation to at least a portion of said stator-core so as to provide one or more axially extending stator-ventilating passageways outside of said stator-core and inside of the stator-frame; a rotor-member having a laminated rotor-core, a shaft, and substantially radially blowing fan-means disposed to blow air onto the stator end-turns at each end of the machine; and two end-brackets, one at each end of the machine, each end-bracket having an outer peripheral registry-portion engaging its end of the stator-frame, and a centrally disposed shaft-supporting bearing carried by each bracket; one of the brackets having only inlet ventilating-openings, disposed near the bearing; the other bracket having inlet-openings disposed near its bearing, and also exhaust-openings disposed nearer to the periphery of the bracket for exhausting all of the air admitted into the machine through the inlet-openings in both brackets; and means for providing directed air-paths within the machine from the inlet-openings, through the two fan-means, over both stator end-turns, through the axially extending stator-ventilating passageways from the non-exhausting to the exhausting end of the machine, and finally out of said exhaust-openings.

2,457,995
FILM SPLICER
Leo Frankel, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee
Application February 21, 1945, Serial No. 579,031
4 Claims. (Cl. 154—42.1)



1. A film splicer comprising a base member having a plurality of transverse ribs, a base plate secured to said base member, a rod secured between two of said ribs, said rod extending longitudinally of the base member along one edge thereof, a clamping plate hinged to said rod for cooperating with said secured base plate to form a fixed film holding assembly, a second rod secured between two of said ribs and extending along an edge of the base member opposite to that of said first rod, the axis of said rods being parallel, a base plate pivoted to said second rod, and a clamping plate also pivoted to said second rod, the said pivoted base plate and last mentioned pivoted clamping plate comprising a pivoted film holding assembly, the base plates and clamping plates of said two film holding assemblies having contiguous straight cutting edges and being in such mutually overlapping relation that two film ends may be cut at the same time and held with the cut ends overlapping.

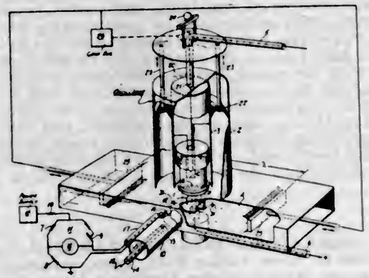
2,457,996
RODDING ATTACHMENT FOR PLASTIC BLOCK MACHINES
Frank C. George, Orlando, Fla., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla., a corporation of Florida
Application April 29, 1946, Serial No. 665,776
2 Claims. (Cl. 25—41)



1. A rodding attachment for a plastic mold machine having a settling and compacting mold supported on a base, vertical rods in opposite sides of the base, a rodding foot, having a cutting edge, movable toward and away from the mold, a movable support carrying the foot and a runner bracket on the support arranged to slide on the vertical rods for guiding it in a vertical path toward and away from the mold.

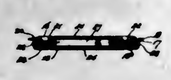
2,457,997
ULTRA HIGH FREQUENCY POWER MEASURING SYSTEM
Ralph W. George, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 26, 1943, Serial No. 480,612
9 Claims. (Cl. 171—95)

1. The combination with an ultra high frequency generator including a radio frequency oscillator tunable over a band of frequencies, a hollow body resonator for determining the frequency of said oscillator, of a measuring device including an attenuator in the form of a hollow metallic pipe having one end inserted into said resonator, said attenuator having a Wollaston wire coupled across said one end of said pipe, said wire being in coupling relation with the



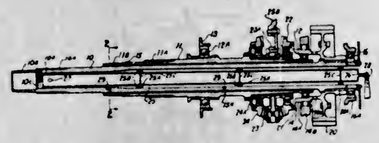
radio frequency magnetic field in said resonator, and a resistance change indicator circuit coupled to said Wollaston wire.

2,457,998
COIN-HOLDING DEVICE
Edward J. Hayes and Frank Winter, Chicago, Ill.
Application March 22, 1946, Serial No. 656,398
8 Claims. (Cl. 206—79)



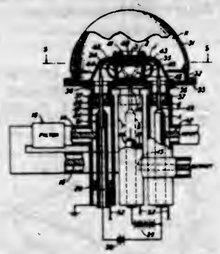
2. In a device of the kind described, a ring having an internal flange surrounding an opening therethrough, a second ring adapted to nest in the first ring in frictional engagement therewith, said second ring having an internal flange surrounding an opening therethrough, and a pair of transparent discs received within the second mentioned ring, at least one of said discs providing a circular seat for a coin of such depth that the flat portions of said discs are held separated by the coin, said discs being engaged adjacent the peripheries thereof by said internal flanges.

2,457,999
LUBRICATION MEANS FOR DUAL PROPELLER SHAFT ASSEMBLIES
Edward A. Hulbert, Detroit, Mich., assignor to Continental Aviation and Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application March 28, 1946, Serial No. 657,805
5 Claims. (Cl. 184—6)



1. A shaft assembly for dual propellor drive consisting of a pair of concentric tubular shafts, bearings in the outer shaft in which the inner shaft is mounted for rotation and means for lubricating said bearings, said lubricating means consisting of means for continuously supplying lubricant at the rearward end of said inner shaft and means for conveying liquid lubricant to the forward end of said inner shaft, means providing for return flow of said lubricant along the inner wall of said inner shaft and passageways from said inner wall to said bearings.

2,458,000
FEEDBACK AMPLIFIER OR OSCILLATOR
Sydney B. Ingram, Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 6, 1943, Serial No. 509,192
6 Claims. (Cl. 179—171)



2. A high frequency device arranged to operate at a given high frequency comprising an electron tube having a cathode, a control grid and an anode, a high frequency circuit connected to the cathode and the control grid, a high frequency circuit connected to the anode and the control grid, each of the said high frequency circuits having distributed inductance and capacitance extending a plural odd number of quarter wavelengths at said operating frequency and being tuned in accord with said operating frequency whereby harmonically related modes of oscillation including one at said operating frequency and one at a lower frequency are determined, a regenerative energy feedback connection external to the tube between the two said high frequency circuits, and means associated with the feedback circuit to prevent substantial feedback of energy at the said lower frequency.

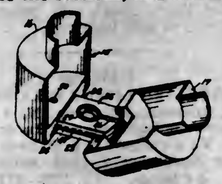
2,458,001
METHOD OF PREPARING AN ELASTOMER
Iral B. Johns, Ames, Iowa, assignor to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
No Drawing. Original application December 11, 1942, Serial No. 468,691. Divided and this application September 12, 1945, Serial No. 615,921
5 Claims. (Cl. 260—345)

1. A process for the production of sylvan which comprises the passing of hydrogen through a bath of liquid furfural to substantially saturate the hydrogen with furfural and the passage of the furfural-laden hydrogen at a temperature above 160° C. over a reduced copper hydroxide catalyst reduced at a temperature of about 210° C.

2,458,002
LOCK
Thomas Kaskouras, Chicago, Ill.
Application October 17, 1945, Serial No. 622,905
6 Claims. (Cl. 70—211)

1. In a device of the kind described and for use with a door knob, a casing operable to enclose said door knob and comprising a pair of sections, a member connecting said sections and having

means slidably receiving coacting means fastened to the other of the sections, and means arranged



on the member and effective to lock the pair of sections against relative movement.

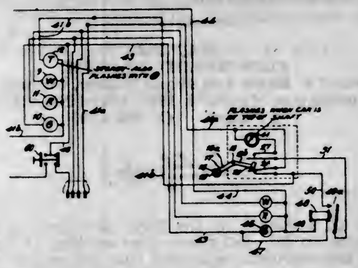
2,458,003
INFANT BATHING DEVICE
Dewey M. Kennedy, Rochester, N. Y.
Application November 18, 1944, Serial No. 564,168
1 Claim. (Cl. 4—177)

In an infant bathing device having a flexible tub and a foldable supporting structure including two pairs of foldable cross-legs, the improvement which comprises a shelf for receiving various articles used in the care of an infant, a pin pivotally connecting the legs of each pair of cross-legs together at a point below the level of the tub, a slotted bracket at each end portion of the shelf pivotally and detachably connecting the shelf to the pins, whereby the shelf may be swung from an inoperative folded position to an horizontal operative position, and hinged braces cooperatively interconnecting the shelf and the supporting structure which secure the shelf in its horizontal operative position.

2,458,004
OUTDOOR JACKET
Roy H. Kerr, Stillwater, Minn., assignor to St. Croix Garment Company, Stillwater, Minn., a partnership
Application October 5, 1946, Serial No. 701,555
4 Claims. (Cl. 2—93)

1. In a garment of the class described, a body part open at the front and having neck and arm openings, means for closing the front of the body part, a sleeve and shoulder part comprising front sections having their upright edges spaced apart, said sleeve and shoulder part fitting over the upper portion of the body part with its neck opening registering with the neck opening in the body part and being permanently stitched to the body part around the neck of the garment only, whereby the sleeve and shoulder part may move relatively to the body part to permit full freedom of movement of the wearer's arms without pulling in any part of the garment, and means whereby the upright edges of the front sections of the sleeve and shoulder part may be detachably secured to the body part when so desired.

2,458,005
ELEVATOR CONTROL APPARATUS
Edward O. Kern, Cedar Falls, Iowa, assignor to Wagner Manufacturing Company, Cedar Falls, Iowa, a corporation of Iowa
Application June 25, 1945, Serial No. 601,519
4 Claims. (Cl. 177—336)



1. Flashing means for showing that an elevator is standing at the top of an elevator shaft, said means including a cam plate on the elevator shaft at the top thereof and a cam secured to the elevator, operable when the cam on the elevator rides against the cam plate, said cam being adapted to make an electric circuit to cause a flashing signal on a control board, said flashing means being adapted to operate only on a green signal, when the elevator is at the top.

2,458,006
BIDIRECTIONAL BLOWER
Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 24, 1946, Serial No. 705,570
19 Claims. (Cl. 230—134)

1. A bidirectional blower-means, comprising the combination, with a bidirectionally rotatable shaft, of a blade-supporting shroud-means for providing, in effect, a running shroud carried by the shaft; at least sixteen radially disposed blades, supported, at one end, by one side of said blade-supporting shroud-means, with a fluid-entrance space between the inner periphery of the blades and the shaft; and an outer shroud-means for providing, in effect, an annular shroud operatively associated with the outer ends of the blades, said annular shroud having an inner peripheral fluid-entrance diameter approximating the inner periphery of the blades at the outer ends of the blades; each blade having two approximately plane, approximately parallel, sides; each blade also having a rounded entrance-edge at the inner periphery of the blades, and a pointed trailing-edge at the outer periphery of the blades, substantially all parts of the entrance- and trailing-edges of the blades approximating a right-angular relation to the airflow-lines at the respective points.

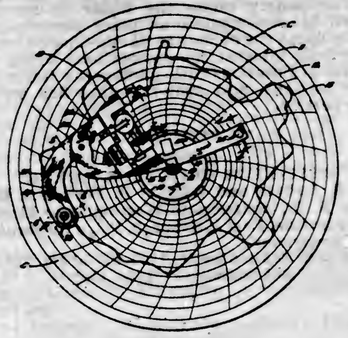
2,458,007
SECURING BAND OR RING
George A. Knapp, Syracuse, N. Y., assignor to R. E. Dietz Company, New York, N. Y.
Application August 28, 1946, Serial No. 691,789
2 Claims. (Cl. 24—19)

1. A contractible split securing ring including a fastening screw connecting the opposing end portions of the ring for contracting the ring, each of said portions having a depression and having between said depression and the extremity of said end portion lengthwise alined integral lugs of approximately semicircular form which respectively project inwardly and outwardly from said end portion and together form a bearing and guide passage surrounding and through which said screw passes, said screw having a head which occupies one of said depressions and engages the adjacent lug, and a screw threaded nut on said screw which occupies said second depression and engages the lug adjacent thereto.

2,458,008
CAN-BODY MAKER
Peter Kruse, Brooklyn, N. Y., assignor to Lima-Hamilton Corporation, Hamilton, Ohio, a corporation of Virginia
Application June 16, 1944, Serial No. 540,597
4 Claims. (Cl. 113—8)

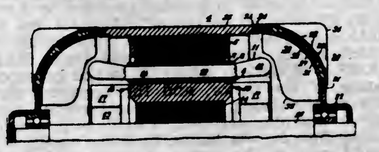
1. A can-body maker, comprising a longitudinally extending horn, means for wrapping a body blank around the horn and positioning it for having a hook of designed width formed thereon at the first hook forming station, an anvil at the first hook forming station and a co-acting reciprocatory blade for forming a first hook, and means for advancing the body blanks step wise along the horn from the first to a second hook forming station, a second anvil at the second hook forming station, having a grooved ledge on its inner side against which said first hook rests in a position to interlock with the second hook when the body-blank is moved away from the second hook forming station, means for expanding a body blank, with the first hook held by said grooved ledge to draw the body blank to a position in which the second side edge extends beyond the second anvil, an amount equal to the width of the second hook, a blade coacting with said second anvil for forming the second hook, and means for guidedly moving said hooked body blank along the horn from said second hook forming station, thereby to cause the hooks to interlock.

2,458,009
SQUARE ROOT RADIAL AVERAGER
George Lory, Los Angeles, Calif.
Application March 13, 1944, Serial No. 526,285
11 Claims. (Cl. 33—1)



1. A square root radial averager comprising a guide plate, a tracer point thereon, an arm on the guide plate, and an integrator having a wheel mounted on the arm, said integrator being adjustable along the length of the arm to position the plane of the wheel in alignment with the tracer point, said arm being mounted for rotation upon the guide plate to permit the integrator to swing relatively to the guide plate into engagement with a chart being traced by the tracer point.

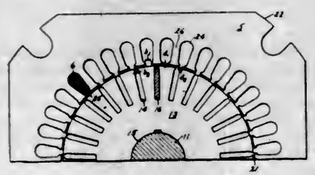
2,458,010
TOTALLY ENCLOSED NONVENTILATED MOTOR
Leon R. Ludwig, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 735,838
11 Claims. (Cl. 171—252)



1. A totally enclosed non-ventilated dynamo-electric machine comprising a stator-member

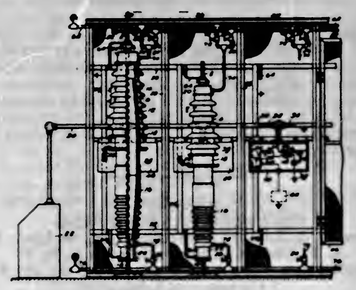
having a stator-core with an airgap-bore therein, and a stator-winding having end-turns projecting from each end of the stator-core, a rotor-member having a rotor-core rotating within the stator-bore, said rotor-member also including a shaft and two fan-means, one under each of the stator end-windings at the two ends of the machine, two perforated machine-enclosing, bearing-supporting brackets, one at each end of the machine, each bracket having a centrally located shaft-supporting bearing and a radially outwardly and axially inwardly extending cup-shaped portion having its rim substantially air-tightly secured to the stator-member, so that the stator end-turns are enclosed, with a ventilating space between said end-turns and the bracket at that end of the machine, each bracket having a plurality of perforations in its cup-shaped portion, each bracket being made of a metal having relatively high strength and a relatively high melting-point, and a cast heat-transfer metal-portion, of relatively low strength, relatively light weight and a relatively low melting-point, associated with each cup-shaped bracket-portion, each heat-transfer metal-portion having an inner portion completely lining the inside of its cup-shaped bracket-portion, an outer portion completely lining the outside of its cup-shaped bracket-portion, integral joining-portions filling the bracket-perforations and joining the inner and outer portions, and heat-radiating fins on the outer portion.

2,458,011
DEEP-NECK HIGH-FLUX MOTOR
Leon R. Ludwig and William H. Formhals, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1947, Serial No. 775,264
20 Claims. (Cl. 172—120)



1. A general-purpose, commercial-frequency, N-pole, squirrel-cage motor having normal starting-current, normal starting-torque, normal efficiency, and normal power-factor, comprising a stator-core having partially open slots carrying a primary winding, and a rotor-core having partially open slots and having a cast squirrel-cage winding, characterized by the ratio of the effective depth of the necks of the teeth between the stator-slots, divided by the slot-opening of the stator-slots being in a range bounded by a minimum value which is not substantially less than $(0.15 + 0.6/N - 0.8/N^2W)$, and a maximum value which is not substantially more than $(0.31 + 2.3/N^2 - 0.2/NW)$, where W is the horsepower rating of the motor, and the apparent airgap flux-density being at least substantially $(38 + 7W^{0.5})$ kilolines per square inch, said apparent airgap flux-density being the flux-density which would exist at the center of the pole if the flux of the pole had a sinusoidal space-distribution in the airgap.

2,458,012
APPARATUS FOR HIGH FREQUENCY DIELECTRIC HEATING OF CONDENSER BUSHINGS
Carl J. Madsen, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 3, 1946, Serial No. 659,227
12 Claims. (Cl. 219—47)



1. A dielectric heating system for treating a plurality of condenser bushings of different sizes and of a type having a central conductor having opposite ends, a capacitive wrapping about said conductor and an outer mounting fitting about said wrapping and lying between said conductor-ends, said system comprising a high-frequency generator, a plurality of heating stations, each adapted to receive a condenser bushing, a common power-transmission line extending from said generator to each of said stations, each station comprising a coupling transformer having a high impedance primary winding and a secondary winding, circuit means at each station connecting each primary winding to said transmission line, with the primary windings of the several stations in parallel, connection means at each station for connecting the associated secondary winding thereat across said central conductor and said mounting fitting of the condenser bushing at the associated station, the last said connection means comprising a variable inductor, the last said connection means at each station comprising a pair of conductors at a common potential, adapted to be connected to the opposite ends of said central conductor, and comprising an insulated conductor adapted to be connected to said mounting fitting.

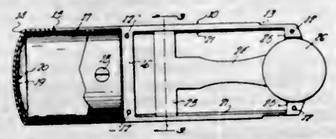
2,458,013
SELENIUM RECTIFIER ELEMENT AND METHOD OF MANUFACTURING SAME
Tore Gunnar Malmberg, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
No Drawing. Application February 27, 1945, Serial No. 580,077. In Sweden March 4, 1944
6 Claims. (Cl. 175—366)

1. In the manufacture of selenium rectifier elements in which a selenium layer is applied onto a metallic base, such layer is converted into an electrically conducting state, and a metallic counter-electrode applied over such layer, the step of treating the converted layer before the counter-electrode is applied with a compound of at least one of the metals of the group consisting of zirconium, thorium, hafnium and titanium.

2,458,014
THERMOCOUPLE SAFETY PILOT SWITCH
Leroy A. Matson, Forest Lake, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 15, 1944, Serial No. 535,575
9 Claims. (Cl. 200—87)

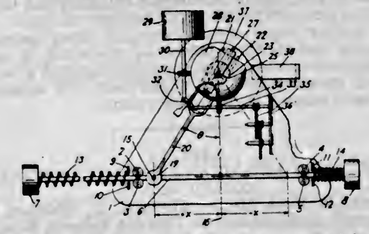
3. In a control device of the class described, in combination, an electromagnet, an armature stem movable axially in opposite directions, an armature carried by said stem for movement to attracted position relative to said electromagnet by movement of said stem in one direction and to retracted position by movement of said stem in the opposite direction, an axially movable plunger coaxial with said armature stem and having an end wall, an actuating pin mounted for axial sliding movement in the end wall of said plunger at the axis thereof, said pin abutting endwise with said armature stem on one side of the end wall of the plunger and having an abutment between its ends for cooperation with said plunger whereby axial movement of said plunger in one direction moves the actuating pin axially therewith and said armature to attracted position by the abutment of said actuating pin with said armature stem, said plunger having axial movement in the opposite direction relative to said actuating pin when the armature is held in attracted position and the plunger is released, and first and second contact means on the opposite side of the end wall of the plunger, said second contact means being maintained in open circuit relation separated from said first contact means upon movement of said actuating pin with said plunger in moving said armature to attracted position and moved into closed circuit relation engaging said first contact means by movement of said plunger in the opposite direction relative to said actuating pin with said armature held in attracted position by said electromagnet.

2,458,015
EYEGLASS WIPING DEVICE
Gordon S. McDonald, Itasca, Tex.
Application June 30, 1944, Serial No. 542,963
1 Claim. (Cl. 15—214)



An eyeglass lens wiping device including a hollow case formed by complementary sections and having an elongated opening in one end of said case, a cross-head located in said case and having outwardly opening grooves on opposite edges thereof, with cooperate with and slidingly engage V-shaped ridges formed on the interior of said case and which extend longitudinally of said case, a pair of arms of resilient material adapted to normally spring outwardly from each other when projected from said case and formed by extensions of said cross-head which project longitudinally of said case and of a size to pass through the elongated opening in said case, shoulders at each edge of said elongated opening to limit sliding displacement of said cross-head and retain said cross-head within said case, and a lens wiping pad mounted on the end of each of said arms.

2,458,016
INTEGRATING ACCELEROMETER
Montford Morrison, Upper Montclair, N. J.
Application January 22, 1944, Serial No. 519,403
2 Claims. (Cl. 264—1)

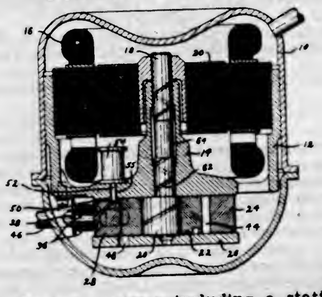


1. An integrating accelerometer comprising a constant-means-speed driving-shaft having a driving-wheel fixed thereto, a driven shaft having a driven-wheel fixed thereto, said shafts being rotatable in bearings all having fixed relations, a roller engaging both said wheels surfaced and rotatable in a bearing in movable relation to said shafts to form a variable ratio friction gear mechanically associating both said shafts, and means to change the ratio of said gear to correspond with the acceleration said accelerometer undergoes under operation.

2,458,017
1-PHENYLETHYLIDENEMALONONITRILE
David T. Mowry, Dayton, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application August 21, 1943, Serial No. 499,513
3 Claims. (Cl. 167—30)

2. A solution, suitable for insecticidal purposes containing 1-phenylethylidenemalononitrile.

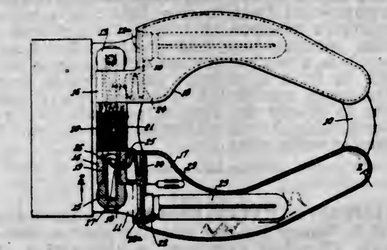
2,458,018
REFRIGERATION COMPRESSOR STARTING UNLOADER
John M. Murphy, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 19, 1944, Serial No. 545,642
8 Claims. (Cl. 230—138)



1. A fluid compressor including a stationary member having a compression chamber therein

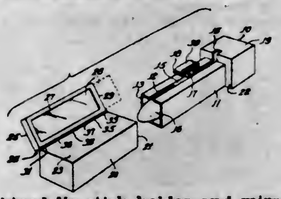
and inlet and outlet ports communicating with said chamber, a rotatable member arranged within said compression chamber, means for driving said rotatable member, means including a blade slidably mounted in one of said members intermediate said inlet and said outlet ports for causing fluid to be compressed between said members during normal running operation of said compressor, means for biasing said blade into sealing engagement with the other of said members, gravity latch means for catching the blade in its retracted position and holding the blade out of sealing engagement with said other member during the starting period of operation of said compressor, and means for releasing said gravity latch means after the compressor has attained its said normal running operation.

2,458,019
METHOD AND MEANS FOR STERILIZING TOILET SEATS
Harold H. Niles, Mount Kisco, N. Y., assignor, by mesne assignments, to Edward Spierer, Brooklyn, N. Y.
Application October 26, 1943, Serial No. 507,699
11 Claims. (Cl. 4—233)



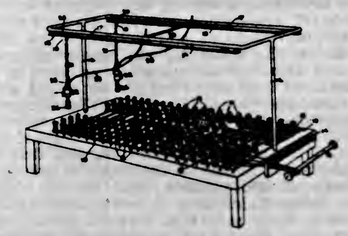
1. A toilet seat formed of material which will transmit germicidal rays, said heat having a cavity between the upper and lower surfaces thereof, and means within said cavity for emitting said germicidal rays.

2,458,020
COMBINED COSMETIC HOLDER AND MIRROR OR THE LIKE
Donald E. Olsen, Chicago, Ill.
Application December 29, 1945, Serial No. 638,217
1 Claim. (Cl. 132—79)



A combined lip-stick holder and mirror comprising a casing-like support, a slidable mount for a lip-stick in said support, an elongated container receiving telescopically the support and mount, a mirror frame hinged along one edge of said container for carrying a mirror on the inner face of said frame, said hinge including intercalated aligned hinge sleeves extending along one of the longer adjacent longitudinal edges of each of said mirror frame and container and including a relatively strong spring urging the mirror frame to open position, said spring comprising a torsion strip extending the greater part of the length of said longitudinal edge, and a button on said mount projecting outwardly thereof and adapted to overlie the mirror frame to retain it in closed position against the action of the torsion strip spring when the support and mount are telescoped into the container, said spring exerting a frictional force on the button tending to prevent separation of the support and container, and whereby the spring passes through intermediate ones of said hinge sleeves and is concealed thereby.

2,458,021
REWINDING GEAR FOR BOBBINS AND OTHER YARN CARRIERS
Frederick Saville Perry, Clifton Gardens, Sydney, New South Wales, Australia, and Joseph Arthur Huskinson, Kidderminster, England, assignors of one-third to Woodward Grosvenor & Company Limited, Kidderminster, England, a British company
Application June 27, 1945, Serial No. 601,888
In Great Britain March 31, 1944
6 Claims. (Cl. 28—55.5)

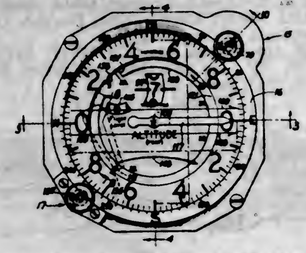


3. A rewinder for rotary yarn carriers each rotatably mounted on a peg comprising a body, a power driven driving shaft in the body and protruding therefrom, a driving member on said driving shaft consisting of a sleeve on which is fitted a tube of soft elastic material, the edge of which is disposed below the end of the sleeve and is adapted to engage an end of the yarn carrier, said sleeve having an external shoulder against which one end of said tube engages, a bearing in the sleeve and a centralising member in the bearing, said centralising member having a tapering mouth for engaging over the peg on which the yarn carrier is mounted.

2,458,022
ALTIMETER
James O. Phelps, Richmond Heights, and George W. Cottrill, University City, Mo., assignors to Airpath Instrument Company, St. Louis, Mo., a corporation of Missouri
Application August 9, 1944, Serial No. 548,780
19 Claims. (Cl. 73—387)

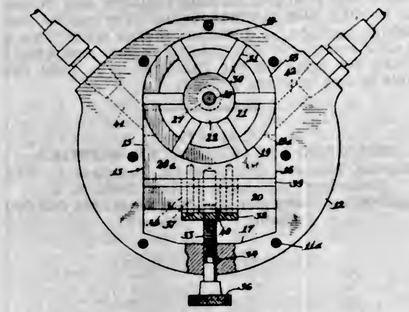
5. An altimeter comprising an atmospheric pressure responsive means, a compass dial, a gross-unit altitude indicator and a flight level indicator driven by said pressure responsive means, a pointer traversing the compass dial and driven by the pressure responsive means at a predetermined ratio with respect to said indicators, an altitude dial laid off adjacent to the compass dial with units interpolating said gross units, said pointer also traversing the last-named dial, adjustable means for changing the reading of the gross-unit altitude indicator and the pointer in accordance with barometric pressure changes

to bring about true indication of elevation, a shield adapted to cover and uncover said flight level indicator, and cooperating means between



the adjustable means and the shield whereby the latter shields from sight the flight level indicator except at a predetermined setting of the adjustable means.

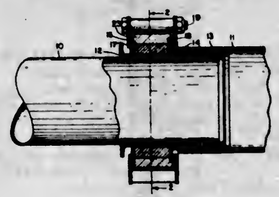
2,458,023
VARIABLE STROKE PUMP
Wilson C. Pike, New York, N. Y.
Application March 2, 1944, Serial No. 524,730
2 Claims. (Cl. 103—120)



1. In a variable stroke hydraulic pump or motor, a rotor and radial slots therein, a semicircular movable wall having straight side edges tangential with the perimeter of the said rotor and being engageable therewith and forming a pumping chamber of variable capacity when variably displaced therefrom, a plurality of free radially disposed blades reciprocable in said rotor slots, a cylindrically shaped guide member slidable on a rotor face and connected for movement with said wall and engageable with the inner ends of the blades, means to move said wall at various displacement values beyond the rotor to form a pumping chamber of a variable capacity, the guide member following said movement to urge the blades into the pumping chamber and the outer ends thereof into sliding engagement with the movable wall, an inlet for the pumping chamber and an outlet therefor.

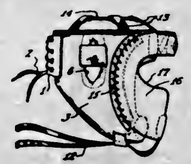
2,458,024
EXPANSION JOINT
John S. Pinaire, Montrose, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.
Application February 12, 1945, Serial No. 577,571
3 Claims. (Cl. 285—183)

1. An axial expansion connection comprising a pair of telescoping conduit elements, a first wearing sleeve applied to the exterior of the inner conduit element, a second wearing sleeve applied to the interior of the outer conduit element, there being a limited clearance between the two sleeves, said second sleeve having a radial flange formed thereon on the end overlying the inner conduit element, a seal ring having a sliding but gas-



tight fit on the first mentioned sleeve, a channel member adapted to clamp said seal ring to the flange of the second sleeve, said channel member forming an annular space surrounding the periphery of said seal ring, and a refractory material filling the annular space in said channel member.

2,458,025
BOXER'S HEADGEAR
De Witt A. Portal, Madison, Wis., assignor to Sport Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application February 1, 1946, Serial No. 644,905
3 Claims. (Cl. 2—3)

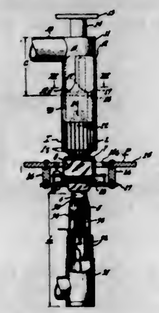


1. A boxer's headgear comprising a padded helmet having an oval opening in front for the face, a stiff panel having a T-shaped unobstructed front opening secured to the helmet adjacent the sides of the face opening, and spaced forwardly thereof, and means forming part of the helmet independently adjustable for holding back the chin of a wearer of the headgear.

2,458,026
SOCKET ASSEMBLY FOR AIR-COOLED TUBES
Elvin H. Potter, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1948, Serial No. 18,173
7 Claims. (Cl. 250—27.5)

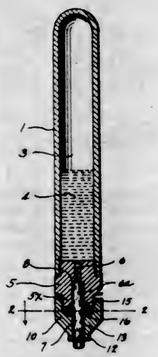
1. A support for an electron tube of the type provided with an anode terminal on one end, an open-ended cooling jacket adjacent to said end and a radially extending flange-like grid-like terminal intermediate said jacket and the other end of said tube, said support comprising a hollow sleeve to which said tube is adapted to be removably secured with the leading end of said sleeve in contact with the periphery of said cooling jacket and the interior of said sleeve in flow communication with the interior of said cooling jacket, a stationary air-supply conduit upon which said sleeve is mounted for axial movement, a station-

ary pedestal mounted in spaced relation with respect to said conduit and sleeve and having an aperture therein through which said other end of



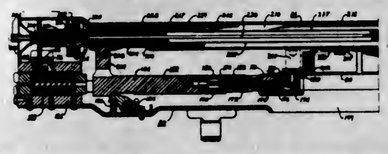
said tube is adapted to be passed when said sleeve is moved inwardly on said conduit and upon which said grid flange is adapted to be seated upon movement of said sleeve in the return direction.

2,458,027
FOUNTAIN BRUSH
Clifford M. Quist, Port Orchard, Wash.
Application May 5, 1945, Serial No. 592,198
1 Claim. (Cl. 15—138)



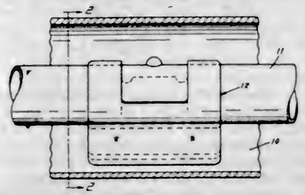
A fountain marking device of the character described comprising a hollow body portion forming a reservoir for a supply of marking liquid and terminating in a threaded nipple, a wick mounting tip adjustably threaded onto one end of the said body, a wick contained axially in the said tip with one end portion extended therefrom as a marking brush, and its other end portion extended into the body portion through said nipple for contact with the liquid in the reservoir to supply the brush end by its flow in the wick, said nipple and tip having opposedly related beveled surfaces surrounding the wick, a wick clamping element of annular form contained in the said tip between the said beveled surfaces and adapted to be acted on by a threaded adjustment of the tip on the nipple, to selectively increase or decrease the clamping action against the wick, and thus to regulate the flow of liquid therethrough to the brush end.

2,458,028
OPERATING MECHANISM FOR MACHINE GUNS
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application May 19, 1944, Serial No. 536,229. Divided and this application November 23, 1945, Serial No. 630,199
4 Claims. (Cl. 89—1)



1. In combination, a gun barrel, a receiver, a breech bolt slidably supported by said receiver, a guide tube having a slot in the wall thereof, a spring tube drive element disposed within said guide tube and having a portion projecting through said slot for engagement by said breech bolt, a spring within said spring tube urging said bolt forward, manual means extending into said guide tube for engaging said element to move the breech bolt into gun cocking position, and means for holding said manual means in a partial gun cocking position, said manual means comprising a flexible cable and said holding means comprising means for gripping the cable so as to hold the cable in any position desired.

2,458,029
OPEN FOOT SUPERHEATER SUPPORT
Emanuel Rawson, Chicago, Ill., assignor to The Superheater Company, New York, N. Y.
Application December 20, 1944, Serial No. 568,969
1 Claim. (Cl. 248—49)

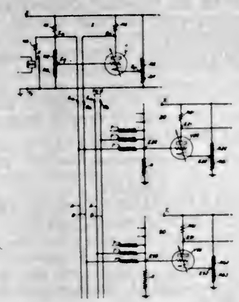


A support for a superheater tube or the like mounted in a flue comprising; a strip of material shaped to form a tube embracing loop with a pair of substantially co-extensive parts extending generally radially from the tube in contacting relation and having both extreme end portions of said parts lying against each other and bent at substantially right angles to the body portions of said radial parts to form a double-ply foot engaging the flue.

2,458,030
SELECTIVE SIGNALING APPARATUS AND SYSTEM
Wilton T. Rea, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 29, 1944, Serial No. 551,674
15 Claims. (Cl. 177—353)

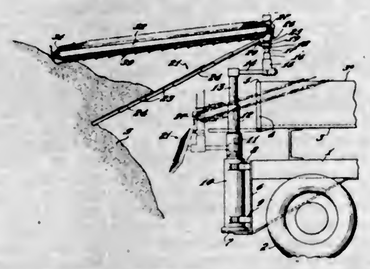
1. A circuit selecting system comprising a source of potential, a plurality of receiving circuits, one for each code unit, each comprising a

first potentiometer circuit connected across said source, a second potentiometer circuit connected across said source, current control means responsive to impressed alternate characteristics of the assigned code unit for changing the potential gradient in said first potentiometer circuit between alternate conditions and potential responsive means included in said second potentiometer circuit for changing the potential gradient in said second potentiometer circuit between alternate conditions in response to the alternate potential conditions in said first potentiometer circuit, said decoding system further comprising a plurality of code discriminating circuits each including a



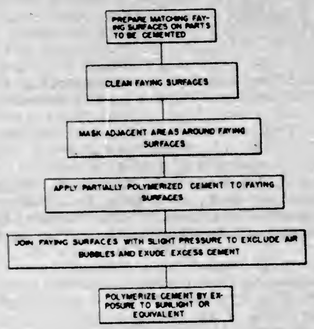
third potentiomter circuit having a potential gradient section for each unit of the code connected to one or the other of said first and second potentiometer circuits of the corresponding receiving circuit in accordance with an assigned code combination to establish in said third potentiometer circuit an intermediate potential successively changed in accordance with the successively received code combinations and circuit selective means connected to said third circuit and adjustable to be responsive only to a selected one of said intermedate potentials in said third potentiometer circuit for selection of a preassigned circuit.

2,458,031
SAND SPREADING AND LOADING DEVICE
Joseph Rome, Barre, Vt.
Application January 28, 1947, Serial No. 724,915
11 Claims. (Cl. 214—83.14)



1. A sand-handling device for use with a motor truck, said device comprising a collapsible chute, a support for attachment to the rear end of the truck, means pivotally attaching the forward end of the chute to the support, the support being vertically adjustable to an extent such that the forward end of the chute may, at will, be located above the level of the top of the tail gate of the truck or below the level of the floor of the truck, and sand-transfer means also connected to said vertically adjustable support.

2,458,032
METHOD OF CEMENTING METHYL METHACRYLATE PLASTICS
Eli Simon, Los Angeles, and Melvin F. George, Jr., Hollywood, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Original application January 26, 1942, Serial No. 428,324. Divided and this application August 22, 1944, Serial No. 550,682
3 Claims. (Cl. 154—140)

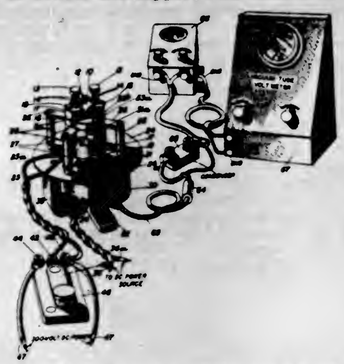


3. The method of repairing a damaged sheet of polymerized methyl methacrylate resin, comprising cutting out the damaged area, fitting a wedge-like plug into the cut-out, said plug being thicker than the damaged sheet whereby to project thereabove on at least one side thereof, applying a partially polymerized liquid monomer fraction containing a suitable amount of polymerization catalyst and corresponding to the material from which the damaged sheet was produced, joining the faying surfaces under barely sufficient pressure to exclude air bubbles and exude excess cement, and polymerizing the cemented joint by exposure to the equivalent of sunlight for a period sufficient to convert the cement into polymerized resin of the same type and properties as the material being cemented, and thereafter removing the excess thickness of said plug as by grinding and polishing the same flush with the surrounding sheet material.

2,458,033
MICROPHONICS TESTER
John E. Sterner, Erie, Pa., assignor to the United States of America as represented by the Secretary of the Navy
Application April 24, 1943, Serial No. 484,457
1 Claim. (Cl. 315—364)

Apparatus for testing a vacuum tube, which comprises a support for the tube, means coacting therewith to clamp the tube firmly thereto, resilient means carrying said support and restricting its motion to a single direction, a coil rigidly secured to said support, means providing a strong magnetic field through said coil, a capacitor, means for charging said capacitor, and means for discharging it through said coil, thereby produc-

ing a sudden powerful force of very short duration to deflect the support and immediately re-

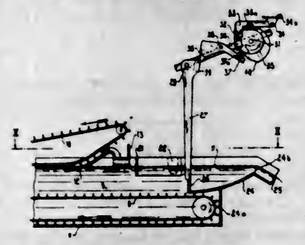


lease it, thus imparting a corresponding mechanical shock to the tube in a known direction.

2,458,034
MINERAL CASTOR OIL
Reuben A. Swenson and Alfred W. Weitkamp, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application November 20, 1946, Serial No. 711,194
12 Claims. (Cl. 252—33.3)

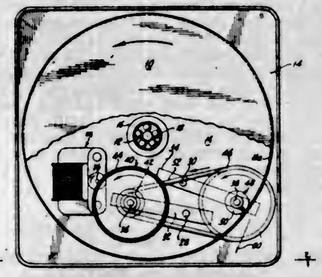
1. A mineral castor oil comprising a major proportion of a hydrocarbon oil, from about 0.5% to about 15% of an aluminum soap, from about 0.05% to about 5% of a polyhydric alcohol, and from about 0.005% to about 2% of a metal soap of a preferentially oil-soluble sulfonic acid.

2,458,035
GRAVITY LIQUID SEPARATOR
Klaas F. Tromp, Kerkrade, Netherlands, assignor of three-fourths to Domaniale Mijn-Maatschappij N. V., Kerkrade, Netherlands
Application September 18, 1945, Serial No. 617,116
In Germany September 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 5, 1961
3 Claims. (Cl. 209—173)



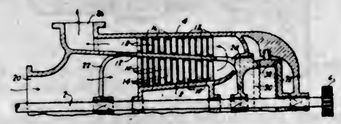
1. Apparatus for separating, by means of a suspension of "sand" in "water," solid materials having different specific gravities, comprising a tank for holding a body of suspension and provided with means for removing material from the bottom thereof, means for removing material from the surface of said body, means for feeding materials to be separated into said tank at one side thereof to permit them to respectively seek zone levels corresponding to their specific gravities, independent means for introducing suspension at the feed side of the tank and for withdrawing suspension therefrom at the opposite side thereof, said suspension introducing and withdrawing means serving to create a slow moving substantially horizontal current in said tank for conveying materials to be separated thereacross, and means at the said opposite side of the tank for removing material from a level intermediate the bottom of the tank and the surface of the body of suspension, wherein the latter means comprise, in addition to an upwardly inclined shoot provided at the discharge end of the tank with its upper end somewhat below the surface of the bath, an impeller element and driving means therefor, said driving means being arranged for imparting cyclic movement to the impeller element in such a manner that said element is first swept in an accelerated movement over said upwardly inclined shoot, thereupon lifted from the body of suspension, and thereupon returned to again be dipped into said body near the lower end of the shoot.

2,458,036
POWER TRANSMISSION AND SPEED REDUCING APPARATUS
Thomas Veitch and Thomas Veitch, Jr., Kew Gardens, N. Y., assignors to Thomas Veitch and Thomas Veitch, Jr., copartners doing business under the firm name of Thomas Veitch Laboratory, Deal, N. J.
Application October 22, 1947, Serial No. 781,384
11 Claims. (Cl. 74—208)



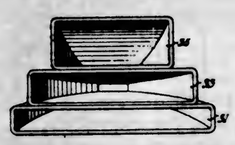
1. A power transmitting and speed controlling apparatus comprising, a base, a plurality of pulley bearing blocks, and pivots supported on said base on which said blocks are respectively pivotally mounted, bearing pins supported on said blocks respectively, and a combination of a large and a small pulley mounted for rotation on each of said pins, a source of power adapted to frictionally engage one of the pulleys of one of said combinations of pulleys, a work piece adapted to be frictionally engaged by one of the pulleys of the other of said combinations of pulleys, and a resilient driving belt interconnecting said combinations of pulleys, one combination of said pulleys being mounted adjacent said source of power and the other of said combinations of pulleys being mounted adjacent said work piece, and said combinations of pulleys being mounted on opposite sides of a line joining the bearing pins for said two sets of pulleys, and said resilient belt tending to rotate the bearing blocks for said combinations of pulleys toward said line and in directions tending to bring a pulley of one of said combinations into contact with said source of power and one of the pulleys of the other of said combinations into contact with the said work piece.

2,458,037
FLUID ENERGY MACHINE
Edward T. Vincent, Ann Arbor, and Carl F. Bachle, Detroit, Mich., assignors to Continental Aviation & Engineering Corporation, Detroit, Mich., a corporation of Virginia
Application August 1, 1946, Serial No. 687,806
3 Claims. (Cl. 230—123)



1. A rotary gaseous multiple stage compressor comprising inner and outer concentrically arranged compressor sections of substantially equal length, a drive shaft, means driving said shaft, an inner drum mounted on said shaft and directly driven thereby and carrying a plurality of equally axially spaced outwardly radially projecting buckets, an intermediate drum rotatably supported on said shaft and driven thereby by gearing in the opposite direction to the crankshaft rotation, said intermediate drum enclosing said inner drum and provided with radially inwardly extending equally axially spaced buckets cooperating with the buckets carried by said inner drum, said intermediate drum further provided with radially outwardly extending equally axially spaced buckets, and an outer casing carrying means supporting said drum shaft and gearing and enclosing both said inner and intermediate drums and cooperating with said intermediate drum to provide a fluid passage, said casing provided with radially inwardly extending equally axially spaced buckets cooperating with the radially outwardly extending buckets carried by said intermediate drum, said casing having gaseous fluid inlet and outlet ports adjacent one end, said inner and outer compressor passages being uniformly progressively converging in the direction of the fluid flow, the buckets at the outlet of said inner compressor section and the buckets at the inlet of said outer compressor section being substantially the same radial dimension.

2,458,038
ACOUSTICAL APPARATUS
John E. Volkmann, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1942, Serial No. 456,627
7 Claims. (Cl. 181—27)

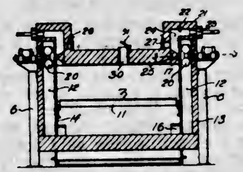


1. In sound reproducing apparatus, a plurality of discrete horns arranged in superposed relation with their axes angularly related to each other in a comon plane, said horns thereby all facing in different directions, said horns each having an angle of distribution from side to side which is of different magnitude than that of any other of said horns, each of said horns expanding radially over its said distribution angle, and said horns all having substantially the same mouth and throat areas and substantially the same rate of flare and being adapted to be fed from a common signal source.

2,458,039
AGGREGATE FOR IMPROVING PORTLAND CEMENT CONCRETES
Bertrand H. Walt, New Rochelle, N. Y.
No Drawing. Application October 5, 1945, Serial No. 620,629
2 Claims. (Cl. 106—288)

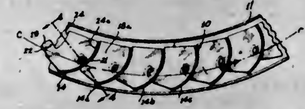
1. A dry aggregate adapted to be substituted for and to replace a portion of the cement in Portland cement concrete; said aggregate consisting substantially of finely pulverized water-cooled slag containing, by weight, at least 32% of silica, less than about 47% of lime, and less than about 6% of magnesia, and having intimately mixed therewith from 0.0033% to about 0.70% of a hydroxy-alkyl amine; said aggregate having the properties of combining with and neutralizing the limy substances released by said Portland cement, as the hydration thereof progresses, to form additional cement in said concrete, and without impairing the strength thereof, endowing said concrete with substantially greater resistance to disintegration by freezing and thawing than it would otherwise have if formed with Portland cement alone, a mixture of Portland cement and said amine alone, or a mixture of Portland cement and slag alone.

2,458,040
LEHR
Harvey C. Weller, Toledo, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio
Application March 29, 1946, Serial No. 658,063
3 Claims. (Cl. 49—47)



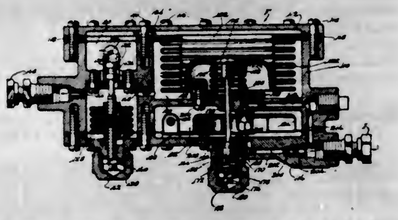
1. Annealing apparatus comprising, in combination, wall means forming a relatively long annealing tunnel, conveyor means for advancing the articles to be treated through the tunnel at a level intermediate the top and bottom thereof so that the tunnel is virtually divided into upper and lower zones by said means, a longitudinally extending series of individual gas ducts interconnecting said upper and lower zones to provide a plurality of paths outside of the tunnel proper through which tunnel atmosphere may be passed from one of said zones to the other, means individual to said ducts for producing downdraft therein, fireboxes individual to and in draft connection with the inlet end of said ducts, whereby said draft producing means may draw firebox gases into the inlet end of the ducts, said fireboxes being mounted along the roof of the tunnel.

2,458,041
ROTOR
John H. Wessel, Los Angeles, Calif., assignor to Utility Appliance Corp., Los Angeles, Calif., a corporation of California
Application July 14, 1945, Serial No. 605,029
9 Claims. (Cl. 230—134)



1. A vane for a rotor, said vane having a flange portion formed integrally therewith adjacent each end thereof, each of said flange portions including a base section adjacent said vane and an end section adjacent said base section, each of said base sections having an opening therethrough and each of said end sections having a locking projection thereon, said locking projections being located in positions complementary to said openings, respectively.

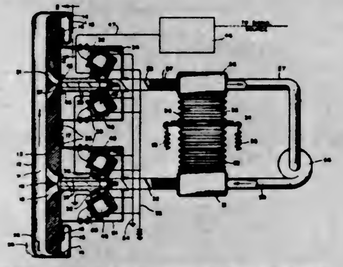
2,458,042
FUEL FEEDING SYSTEM FOR LIQUID FUEL BURNERS HAVING MEANS FOR DISPOSING OF FUEL VAPORS
Lynn A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 20, 1944, Serial No. 527,229
3 Claims. (Cl. 158—36)



1. In combination with a burner, a fuel feeding system comprising means providing a fuel chamber, means for supplying liquid fuel under pressure to said chamber, said fuel being of a nature to give off vapor, a conduit which conducts said liquid fuel from said chamber to the burner, means forming a vapor passage and a passage for liquid fuel connecting said conduit with the upper and lower portions respectively of said fuel chamber whereby vapor from said chamber is mixed with the liquid fuel conducted to the burner, and a float controlled valve responsive to fuel level in said chamber regulating communication between said chamber and the vapor passage.

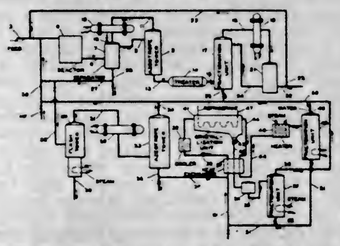
2,458,043
SOUND REPRODUCTION SYSTEM
Walter J. Zenner, Des Plaines, Ill.
Application October 13, 1945, Serial No. 622,178
7 Claims. (Cl. 179—100)

1. In a pneumatic system of sound reproduction, an enclosed air circulating path including a chamber, said chamber having a wall adapted to vibrate at sound frequencies, a blower for producing a flow of air through said path, a first electrically operated air valve associated with said path adjacent the entrance to said chamber, a second electrically operated air valve associated with said path adjacent the exit from said chamber, electrical circuit means connecting said first and second electrically operated air valves,



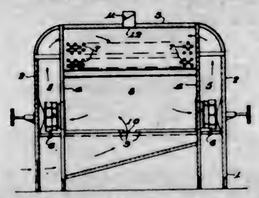
whereby in response to signal impulses said valves are alternately operated in opposition to produce a push-pull effect upon the flow of air through said path.

2,458,044
METHOD OF RECOVERING HYDROGEN FLUORIDE FROM AN AZEOTROPIC MIXTURE BY CRYSTALLIZATION
Cruzan Alexander, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 17, 1945, Serial No. 635,593
13 Claims. (Cl. 260—683.4)



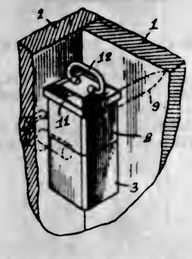
6. The method for recovering hydrogen fluoride from an azeotropic mixture of the same with water, which comprises cooling said azeotropic mixture to form crystals, recovering said crystals thus formed and melting same, passing said melted crystals as a liquid to a fractional distillation, and recovering hydrogen fluoride as overhead product from said fractional distillation.

2,458,045
BLOWER UNIT AND ASSEMBLY
Everett N. Angus, Oaklyn, N. J.
Application January 23, 1945, Serial No. 574,133
3 Claims. (Cl. 34—222)



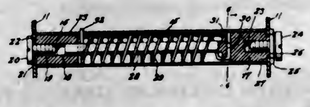
1. A processing machine, comprising a housing having an inner wall having an air inlet aperture, an outer wall panel spaced from said inner wall and oscillatably mounted, an intake cone surrounding said aperture, a centrifugal fan comprising radial blades carried by said panel and provided with a substantially symmetrical, reversely curved band forming a continuation of said cone when in operative position and through which said blades extend, a compartment for material being treated upon the opposite side of said inner wall, an air conditioning compartment connected with said first compartment, and both of said compartments and the space between said walls being connected in a closed recirculation circuit.

2,458,046
KEY CONTROLLED LOCK
Esdras Audet, Shawinigan Falls, Quebec, Canada
Application August 26, 1947, Serial No. 770,629
7 Claims. (Cl. 70—77)



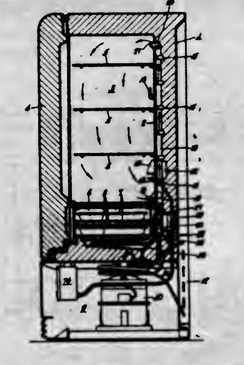
1. A lock comprising a pair of keepers adapted to be carried by relatively movable members and adapted for alinement with each other, a bolt adapted to be passed through said keepers, a rotatable key cylinder in said bolt, a pair of locking pins slidable transversely in said bolt at opposite sides of said cylinder and receivable in opposite sides of one said keeper, and a connection from said cylinder to said pins for actuating the latter in unison.

2,458,047
BACKLASH PREVENTER FOR FISHING REELS
Verner E. Babcock, Oak Harbor, Ohio
Application July 9, 1946, Serial No. 682,345
2 Claims. (Cl. 242—84.5)



1. An attachment for fishing reels comprising in combination, a plate formed with a tubular enclosure at one end thereof, mounting means comprising a pair of bushings rotatably engaging the end portions of said enclosure, one of said bushings being formed with an axial bore, a stem on the remaining of said bushings rotatably engaging said bore, a coil spring positioned in said enclosure and surrounding said stem, one end of said spring being anchored to one of said bushings, the remaining end of said spring engaging said enclosure, said bushing associated with said spring being rotatably adjustable with respect to said enclosure, and a roller rotatably mounted at the remaining end of said plate, said roller engaging the wound fishing line.

2,458,048
HUMIDITY CONTROL SYSTEM
John J. Bauman, Abington, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1944, Serial No. 537,701
11 Claims. (Cl. 62—6)



1. In a humidity control apparatus, an enclosure, a refrigerating system for controlling the temperature of said enclosure, means for detecting the moisture content of the air within said enclosure, means controlled by said detecting means for maintaining the moisture content of said air below a predetermined maximum, said last-named means including an electron tube having a heatable cathode, and means responsive to operation of said refrigerating system for rendering said detecting means operable, and for heating said cathode to render said tube operable, only during the cooling cycle.

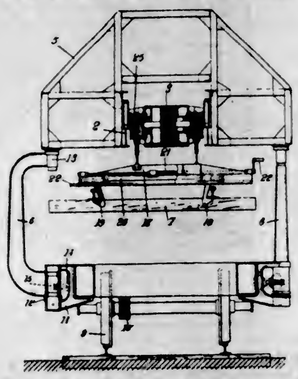
2,458,049
TREATMENT OF HYDROCARBONS CONTAINING NEUTRAL ORGANIC SULFATE
Herman S. Bloch, Chicago, and George L. Hervert, Berwyn, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 31, 1946, Serial No. 707,028
13 Claims. (Cl. 202—57)

1. In the heating of hydrocarbons containing a neutral organic sulfate, the improvement which comprises heating the hydrocarbons in the presence of a solid, substantially anhydrous, basic substance.

2,458,050
SYSTEM FOR LAYING OR REMOVING RAILWAY TRACKS
Abel Léo Charles Blondelle, Sartrouville, France, assignor to Society Entreprises Metropolitaines & Coloniales, S. A., Paris, France, a society of France
Application August 5, 1947, Serial No. 766,351
In France April 5, 1946
Section 1, Public Law 690, August 8, 1946
6 Claims. (Cl. 104—5)

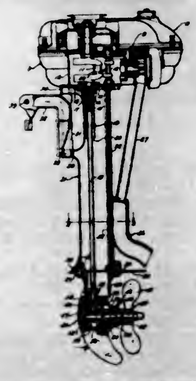
5. A device for laying and removing railway track elements which comprises, in combination, a rolling platform for use on a railway track, a runway above said platform extending symmetrically to the longitudinal middle plane there-

of, a conveyor carriage adapted to cooperate with said runway for displacement therealong, two rows of posts, one along each longitudinal side of said platform, for supporting said runway thereon, at least all the posts located along one side of said platform being pivotally mounted thereon about at least substantially vertical respective axes and being pivotally mounted in said runway each about the same pivot axis as that about which it is pivoted to said platform, said pivotally



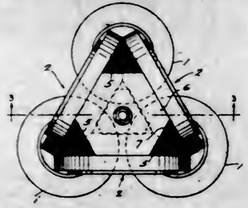
mounted posts being of bent shape in respective planes passing through said axes with their concave portions turned toward said respective axes, two horizontal transverse bars supported by said carriage, one at each end of a track element conveyed by said carriage, means carried by said transverse bars for holding said track element suspended in horizontal position under said carriage between said two rows of posts, and means for independently adjusting said transverse bars transversely to the axis of said carriage.

2,458,051
OUTBOARD MOTOR LUBRICATING SYSTEM
Alfred S. Bosma, New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill., a corporation of Delaware
Application February 6, 1946, Serial No. 645,846
3 Claims. (Cl. 123—196)



1. In an outboard motor having a top power head and including a combustion engine having a crank case in said power head, a vertical drive shaft depending from said head and driven by said engine, a horizontal propeller shaft adjacent the lower end of said vertical drive shaft, means between said vertical drive shaft and said horizontal propeller shaft for driving the latter, an elongated vertical housing including a top section surrounding all but the lower portion of the vertical drive shaft and a bottom section enclosing said lower portion and also the propeller shaft, there being a joint between said top and bottom sections, said bottom section forming a reservoir for motor oil, a pump in said bottom housing section driven by said horizontal propeller shaft, an oil duct in the wall of said bottom housing section, an oil duct formed at the joint between said top and bottom housing sections with which said first duct communicates, and means including an oil tube in said top section which communicates with said joint duct for delivering oil to said crank case.

2,458,052
THREE-PHASE TRANSFORMER CONSTRUCTION
Chester W. Brown, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application March 6, 1947, Serial No. 732,873
6 Claims. (Cl. 175—356)



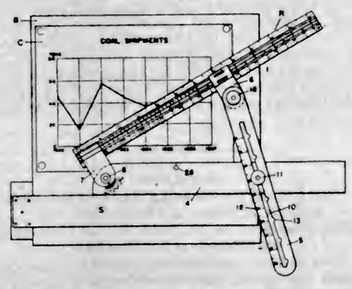
1. A three phase transformer comprising three conducting winding assemblies, three closed cores formed of continuous magnetic ribbon having leg portions passing through the conducting winding assemblies and having yoke portions provided with slanting inner faces, said yoke portions forming the sides of an approximate triangle at each end of the transformer, and laminated magnetic filler members at each end of the transformer located between the yoke portions of the core sections and having slanting outer faces arranged adjacent the slanting inner faces of the yoke portions.

2,458,053
APPARATUS FOR RAISING NATURAL OILS AND OTHER LIQUIDS BY GASEOUS PRESSURE
Norman Fraser Brown, Stow, Scotland, assignor of one-half to Indo-Burma Petroleum Company Limited, Calcutta, India, a British-Indian company
Application September 13, 1945, Serial No. 616,111
In Great Britain October 26, 1944
4 Claims. (Cl. 103—234)

1. Apparatus for raising liquids in wells by gaseous pressure comprising a displacement chamber adapted to be disposed below liquid level in a well; an auxiliary chamber extending from the upper end of said displacement chamber; gas inlet ports in the lower end of said auxiliary chamber opening into the upper end of said displacement chamber; gas outlet ports in said auxiliary chamber spaced upwardly of the upper end of the displacement chamber and opening into the well; a gas pipe opening to said displacement chamber; a source of gaseous pressure, means connecting said source to said gas pipe; an eduction pipe vertically reciprocable in said displacement chamber; a plurality of valve means actuable by said eduction pipe upon reciprocation thereof to one position for admitting liquid to the displacement chamber from a space around the displacement chamber, uncovering the gas inlet ports connecting the upper part of the displacement chamber with the auxiliary chamber, and closing the eduction pipe from the displacement chamber; and actuable, upon reciprocation of the eduction pipe to another position thereof, for

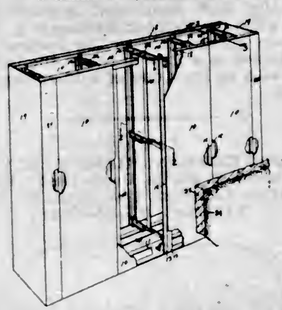
closing said displacement chamber from said space, covering said gas inlet ports, admitting gaseous fluid to the upper part of said displacement chamber, and opening the eduction pipe to the lower part of the displacement chamber; said gas outlet ports in the auxiliary chamber being spaced such distance above the upper part of the displacement chamber that the hydrostatic head of a column of gassy oil in the well casing extending from the oil entry in the lower end of the displacement chamber to the height of the exhaust port or ports in the auxiliary chamber, is greater than the hydrostatic head of settled or non-gassy oil which would fill the displacement chamber.

2,458,054
DRAFTMAN'S DEVICE
Russell M. Brown, Prince George's County, Md.
Application September 9, 1947, Serial No. 773,004
6 Claims. (Cl. 32—75)



1. In an instrument of the kind described, the combination with a holder of an engineer's ruler triangular in cross section and provided with grooves along the sides thereof, the said holder comprising a slide bar, a protractor clip pivoted to the end of said bar and provided with runners engaged in grooves of said ruler, an adjustable arm having a longitudinal slot therein and a clamp pivoted on an end thereof, the said clamp being provided with runners engaging grooves in said ruler, a locking device carried by said arm for locking said clamp to said arm, and an additional locking device carried by said bar for locking the arm to the bar in various positions of adjustment.

2,458,055
CAR PIT FORM
Carl C. Buehke, Portland, Oreg.
Application October 29, 1946, Serial No. 706,315
3 Claims. (Cl. 25—128)



1. A car pit form having in combination a plurality of sections each of which section consists of a pair of opposite side form plates having inwardly turned bottoms, each of said form plates having secured thereto a pair of vertical ribs, one leg of each rib being normal to the side plate, said leg having inclined notches formed therein near the bottom and middle of the length thereof, the upper end of said leg having a slot formed therein between same and its respective form plate, said slot constituting a pocket for one leg of a stiffening angle bar, closures for the space between the ends of the outermost side forms, and braces for said form consisting of a plurality of toggle links disposed between said ribs and having bolts thereon adapted to engage said inclined notches, a vertical tie bar connecting the toggle joint of said toggle links and a brace bar mounted across the upper end of said tie bar having means for attaching same to the upper end of the ribs, together with stiffening bars along the upper and lower ends of said ribs adapted to hold the panels in longitudinal alignment.

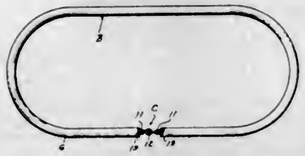
2,458,056
ELECTRIC SWITCH
Luis Bulgarini, Buenos Aires, Argentina, assignor of thirty-two and one-half per cent to Sara Maria Iribarren de Olariaga and thirty-two and one-half per cent to Percy Forster
Application September 24, 1945, Serial No. 618,080
3 Claims. (Cl. 200—77)

3. In a switch, a casing, spring contact members, a seat in at least one of said members, an electric conducting contact element freely movable in a limited path defined in said casing between the rear and front walls of said casing, the inner face of a ring shaped rotating member, and a guard member projecting from one of the end

walls of said casing and arranged to complete a closure within which said contact element is displaced, said ball being engaged and retained in said seat by the tension of said spring members, and the ring shaped rotating member being provided with one inner projection for displacing said contact ball relative to said spring members to act to sharply eject the ball out of engagement

therewith to open the switch and another inner projection for forcibly returning said ball into engagement with said spring members to close the switch, the first mentioned projection being adapted when the rotating member is in the position which corresponds to the opening of the switch, to act as a stop to retain the ball out of contact with at least one of said spring contact members.

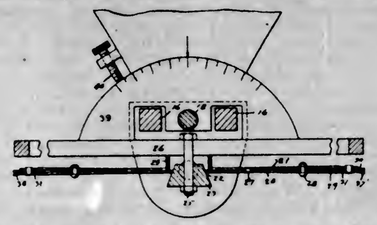
2,458,057
POWER TRANSMISSION BELT
William R. Burtle, Upper Darby, Pa.
Application August 22, 1945, Serial No. 611,994
2 Claims. (Cl. 74—238)



1. A power transmission belt of the round type comprising a belt member embodying a metallic twisted-strand core and a rubber-like covering of uniform diameter disposed on and bonded to the core, the ends of said core projecting beyond the ends of the covering, caps secured on the projecting ends of the core to prevent unlaying of the strands thereof and including heads of lesser diameter than and abutting the ends of the covering to prevent stripping of the covering from the core, and coupling members for the ends of the belt anchored to the ends of the covering and free of connection with the core, each coupling member consisting of a spring having convolutions at one end of smaller diameter than the core and surrounding the adjacent projecting end of the core and the associated cap and other convolutions surrounding and imbedded in the covering to anchor the spring member to the belt member.

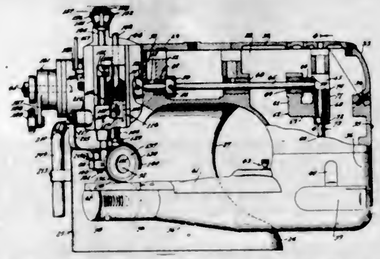
2,458,058
HOLDER FOR CHAIN SAW SHARPENERS
Raleigh S. Carroll, Lebanon, Oreg.
Application January 27, 1947, Serial No. 724,652
1 Claim. (Cl. 76—37)

A saw holding device, having in combination a sheave, consisting of a pair of dished disks having their outer rims spaced and having their central portions united and provided with a central opening, a tapering collar fitting into said opening, a head forming a support for said holder, a bolt passing through said collar and head, a sleeve between said head and disks surrounding the small end of said collar, a bolt forming the pivot for said collar and attaching same to said head, means for controlling the spacing of



the rims of said disks and means for indexing the chain on the holder.

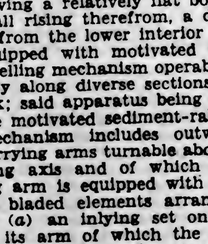
2,458,059
ELECTRICAL SEAMING APPARATUS
Norman V. Christensen, Chicago, Ill., Harold J. Le Vesconte, Glendale, Calif., and Albert M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application September 15, 1944, Serial No. 554,306
9 Claims. (Cl. 154—42)



1. In apparatus for bonding a plurality of layers of material, at least one of which is thermoplastic, a lower member comprising a tubular arm having a slot formed in the upper portion thereof, an upper member secured to the lower member and disposed above and spaced from the arm, a wheel having its major portion within the peripheral confines of the arm and a marginal portion in registration with the slot and projecting thereabove, a wheel carried by the upper member in cooperative relation to the first-mentioned wheel, said wheels being arranged for rotation on substantially horizontal and parallel axes lying in a substantially vertical plane that is generally normal to the arm and cooperating to feed material placed therebetween, at least the peripheral portion of each wheel being electrically conductive, and means adapted to be connected to a source of high frequency current for creating a high frequency electric field between the peripheral portions of the wheels, said means including said wheels.

2,458,060
ICE-CREAM RECEPTACLE HOLDING DEVICE
Joseph B. Clower, Woodstock, Va.
Application August 16, 1944, Serial No. 549,781
4 Claims. (Cl. 220—14)

4. In a device for securing an open receptacle for bulk ice cream and the like in the well of a storage cabinet, an outer member adapted to be fastened in the upper part of the well and to extend down into the well below the level of the top of the receptacle, an inner member adapted to be mounted on the rim of the receptacle and to project upwardly therefrom in parallel engagement with the outer member, a downwardly facing channel formed on the bottom of the inner member for engaging the inner and outer sides

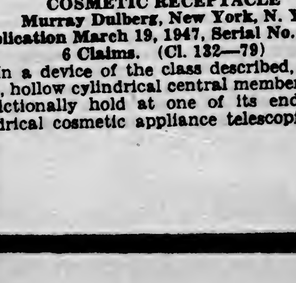


of the rim of the receptacle and preventing lateral displacement thereof, prong means formed on the outer member for interlocking with the outer side of the receptacle below the rim and preventing rotation thereof, and pin and slot means for adjustably securing the members together in lengthwise telescoping relation with the channel pressed down on the rim.

2,458,061
SLURRY MIXER
Harold B. Coulter, Larchmont, N. Y., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application July 12, 1947, Serial No. 760,684
7 Claims. (Cl. 261—93)

1. Apparatus of the class described, comprising in combination a slurry mixing and holding tank having a relatively flat bottom with marginal wall rising therefrom, a draw-off conduit leading from the lower interior portion thereof, and equipped with motivated sediment-raking and impelling mechanism operable over and progressively along diverse sections of the floor of the tank; said apparatus being characterized in that the motivated sediment-raking and impelling mechanism includes outwardly-extending rake-carrying arms turnable about a vertically-extending axis and of which (1) each rake-carrying arm is equipped with downwardly-extending bladed elements arranged in sets including (a) an inlying set on the inner portion of its arm of which the bladed elements extend rearwardly and outwardly and function to impel sediment engaged thereby progressively forwardly and outwardly towards and into an annular medial band section on and above the floor of the tank, and (b) an outlying set on the outer portion of the arm of which the bladed elements extend forwardly and outwardly and function to impel sediment engaged thereby forwardly and inwardly towards and into said annular medial-band section; (2) each rake-carrying arm has a vertically-extending lift pipe carried thereby and rising from the general region where the outer end portion of the inlying set and the inner end portion of the outlying set of raking blades approach each other; and (3) each rake-carrying arm has movable therewith an air supply pipe connected for receiving pressure air received thereinto and for delivering air therefrom into the interior of the corresponding lift pipe.

2,458,062
GARMENT STRUCTURE
Gertrude Davenport, New York, N. Y.
Application March 22, 1947, Serial No. 736,505
1 Claim. (Cl. 2—73)



A one-piece sleeveless strapless garment of soft flexible cloth comprised of a panel having an upper bust-covering section adapted to fit over the breast and under the arms of the wearer with self-supporting snugness and waist and skirt sections below said bust section, top and bottom edges on said panel formed substantially straight and joined by vertical overlapped and overlapping side edges, the bust portion of the overlapping side edge extending angularly downward with increasing fullness and the waist and skirt portions of said overlapping edge extending substantially vertically downward from said bust portion while said overlapped side edge at the bust portion extends vertically downward to the waist section and curves outward and downward to greater fullness at the skirt section, rear gatherings extending substantially vertically through the bust and waist sections and into the skirt section, fastening means comprising a top pair of fasteners, one positioned at the upper end of the overlapping side edge and the other at the top edge inward from the overlapped side edge and a second pair of fasteners at the waist section, one positioned at the said overlapping edge and the other spaced inward from said overlapped edge, said gatherings and fastenings cooperating to provide form-clinging lines at the waist and bust with the skirt edges freely draped and overlapped and the overlapping side edge at the side of the wearer.

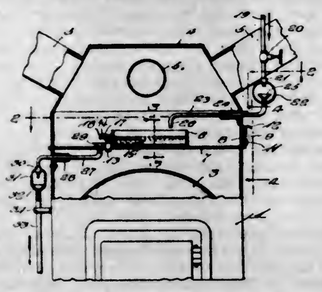
2,458,063
COSMETIC RECEPTACLE
Murray Dulberg, New York, N. Y.
Application March 19, 1947, Serial No. 735,744
6 Claims. (Cl. 132—79)

1. In a device of the class described, an elongated, hollow cylindrical central member adapted to frictionally hold at one of its ends a first cylindrical cosmetic appliance telescopically fit-

ting into said cylindrical member, while the other end of the latter is provided with a cylindrical opening of reduced diameter, adapted to receive and frictionally hold a second cosmetic appliance which is connected with a third cylindrical appliance, said first appliance being provided with a cylindrical extension adapted to house a

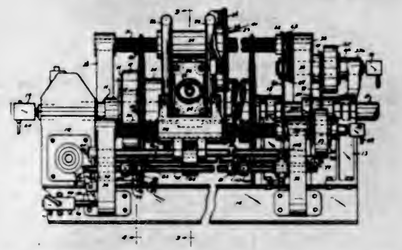
cylinder holding a container for liquid, this cylinder being adapted to receive at its end a first cap provided with an applicator for the liquid, said third appliance being adapted to receive a closure cap, the device comprising said first, second and third appliance, the central member and said first cap having a substantially flush surface in assembled condition.

2,458,064
HUMIDIFIER FOR AIR-HEATING FURNACES
Angelo Raffaele Di Petta, Lakewood, Ohio
Application October 13, 1944, Serial No. 558,512
6 Claims. (Cl. 126—113)



1. A humidifying apparatus for a furnace including a jacket, a fire pot in said jacket, and a bonnet carried by said jacket and having outlets for air heated by the furnace, said apparatus comprising horizontal supporting rods extending transversely through the furnace in a common plane and disposed in transversely spaced parallel spaced relation to each other above the fire pot with their ends supported by the jacket, said jacket being formed with an opening above said rods, a door movable into and out of closing relation to said opening, sleeves upon said rods, a cross rod extending transversely of the supporting rods above said supporting rods and carried by said sleeves, said cross rods having portions bent to form a pair of arms extending longitudinally of the supporting rods and located outwardly therefrom in parallel relation thereto, the free ends of said arms being bent to form terminal portions extending outwardly from the supporting rods in diverging relation thereto, a water pan inserted into the furnace through said opening and resting upon said rods, said pan being freely movable along said supporting rods and limited in its inward movement beyond its normal position by engagement with the rod between the arms thereof and held against transverse movement by the said arms, a water pipe having a valve, an inlet pipe extending through said jacket with its outer end disposed in position to receive water from the water pipe and its inner end terminating over said pan, an overflow pipe for said pan, an outlet pipe extending through said jacket with its inner end disposed in position for receiving water from said overflowing pipe, and a drain pipe for receiving water from the outer end of the outlet pipe.

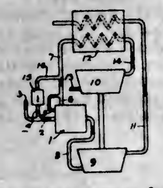
2,458,065
LEVEL WINDING DEVICE
Alvin J. Farrar, Cleveland, Ohio, assignor to The American Coach & Body Company, Cleveland, Ohio, a corporation of Ohio
Application June 22, 1944, Serial No. 541,591
11 Claims. (Cl. 242—158)



4. A level winding device for a cable receiving drum including a cable guide mounted for traversing movement along the drum, means for effecting the traversing movement and including two clutches, one of said clutches operating to drive the guide in one direction and the other operating to drive it in the opposite direction, a pair of shiftable bars each having abutment means thereon operable to effect engagement of one of said clutches and disengagement of the other, a member carried by the guide and shiftable into coacting engagement with either of said bars, and means including a part carried by the drum for shifting said member to coact with one of said bars to the exclusion of the other dependent upon the direction of rotation of said drum.

2,458,066
COMBUSTION CHAMBER
George B. Farkas, Jackson Heights, and Addison Y. Gunter, Larchmont, N. Y., assignors to American Locomotive Company, New York, N. Y., a corporation of New York
Application July 20, 1944, Serial No. 545,831
5 Claims. (Cl. 262—19)

1. A combustion chamber for producing a hot mixture of products of combustion and air comprising a casing; a hollow structure providing a combustion space, disposed within said casing having a closure and an inlet for air at its forward end, an outlet at its rear end, a wall secured at its forward end to said casing and extending rearwardly therefrom, converging from said inlet toward said outlet providing a contracted throat and extending rearwardly therebeyond, and another wall extending rearwardly from said throat-containing wall, said walls being adapted to expand and contract relative to said casing and pro-

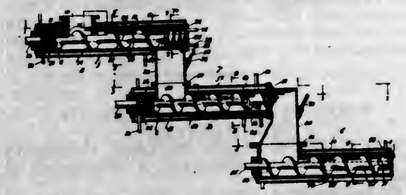


viding with said casing a space forming a passage having an inlet for air at its forward end and an outlet at its rear end, said walls at their juncture having a row of ports providing another outlet for said passage, both said passage outlets opening into said combustion space; and a fuel burner having an outlet in front of and facing said throat.

2,458,067
PROCESS FOR SEPARATING OLEFINS FROM PARAFFINS
Bernard S. Friedman, Chicago, and Russell F. Stedman, Crete, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application May 2, 1945, Serial No. 591,628
7 Claims. (Cl. 260—677)

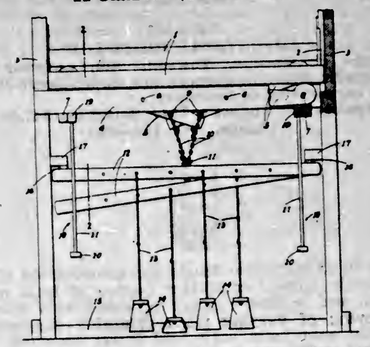
1. A process for separating olefins from paraffins which comprises contacting a mixture containing olefinic and paraffinic hydrocarbons with a solution of a silver salt in acetonitrile.

2,458,068
SYSTEM FOR THE TREATMENT OF MATERIAL
Lawrence J. Fuller, Philadelphia, Pa., assignor to Welding Engineers Incorporated, Norristown, Pa., a corporation of Delaware
Application November 25, 1943, Serial No. 511,723
16 Claims. (Cl. 100—48)



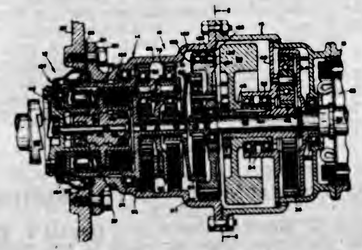
1. A system for the treatment of material containing removal fluid comprising a plurality of feed worms in screw form positioned close together side by side and being of opposite pitch and rotating in opposite directions so that central adjacent peripheral portions move in the same direction, a casing for said feed worms provided with an opening for supply of said material to said worms and with a subsequent discharge area, means at said discharge area developing back pressure against the material and providing an adjacent area of lower pressure, a discharge orifice receiving outflow of said material under said back pressure, and venting means at said area of lower pressure releasing fluid separated from said material.

2,458,069
LAM MOUNTING FOR LOOMS
Edward E. Gilmore, Stockton, Calif.
Application December 7, 1946, Serial No. 714,881
11 Claims. (Cl. 139—30)



1. Selective operating mechanism for a plurality of parallel, independently vertically swingable, harness frame actuating jack units of a loom, said mechanism comprising, in sets with the jack units, a lam disposed below each jack unit, an actuating element connected between each lam at a point intermediate its ends and the corresponding jack unit, each actuating element suspending the corresponding lam for downward vertical swinging motion at either end from a normally substantially horizontal position, a pull element depending from each lam, and a treadle attached to the lower end of each pull element.

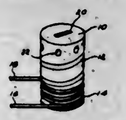
2,458,070
TRANSMISSION MECHANISM FOR ENGINE STARTERS AND THE LIKE
Samuel Gilbert, Cedar Grove, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application July 30, 1947, Serial No. 764,761
4 Claims. (Cl. 123—179)



1. An engine starter transmission mechanism comprising a motor, a flywheel, an engine-engaging member, means responsive to rotation of said motor to move said member while substantially torque free to engine-engaging position, including a planetary gear train having an orbital element which because of said torque free condition is brought to a stop by said member when the latter reaches said position and a planet carrier which continues to rotate with said motor, means drivably connecting said motor and flywheel, and means responsive to a predetermined speed of said flywheel after said member reaches said engine-engaging position for stopping rotation of

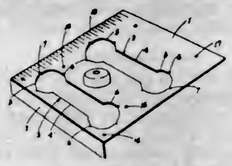
said carrier to cause the rotation of said motor and flywheel to be transmitted to said engine-engaging member through the intermediary of said orbital element.

2,458,071
ADJUSTABLE INDUCTOR
James F. Gordon, Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 1, 1944, Serial No. 547,650
6 Claims. (Cl. 171—242)



5. In an inductive device, the combination of a helically formed conductor having at least one turn, and a core member provided with spiral grooving of varying pitch rotatably supported within said helix with said spiral grooving in sliding engagement with the turns of said conductor helix, said core member moving axially within said conductor helix upon relative rotation between said helix and said core member.

2,458,072
WINDOW PULLEY GAUGE
William M. Hall, Stockton, Calif.
Application April 6, 1946, Serial No. 660,157
1 Claim. (Cl. 33—174)

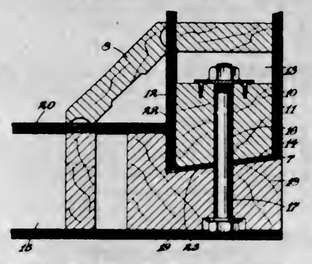


A gage comprising a flat plate, a flange projecting at right angles to one edge of the plate, the plate being provided with a slot which comprises a substantially rectangular portion terminating at each end in a substantially circular orifice, the plate being provided with a pair of notches disposed in opposed relation diametrically of each orifice, and such plate being also provided with a pair of notches disposed in opposed relation substantially in line with the longitudinal center of the slot.

2,458,073
COATING MAGNESIUM AND MAGNESIUM ALLOYS
Herman W. Hemker, Euclid, and Donald L. Eppink, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 6, 1944, Serial No. 517,262
4 Claims. (Cl. 148—6.20)

1. The method of providing a corrosion-resistant coating upon surfaces of magnesium and high-magnesium-content alloys, which comprises contacting the surface at a temperature of 120 to 170 degrees C. for substantially 15 to 60 minutes with an aqueous solution prepared by dissolving in water, as the predominant constituents, 62.5 to 187.5 parts of alkali metal hydroxide, substantially 24 to 72 parts of alkali metal bichromate, and substantially 20 to 60 parts of alkali metal nitrate, the proportion of water in the solution being between 20 and 55 per cent, and the solution having a pH value in excess of 13.

2,458,074
BUILDING UNIT JOINT CONSTRUCTION
Harry Hill, Hampshire, England, assignor of one-half to The British Power Boat Company Limited, Hampshire, England, a British company
Application August 21, 1945, Serial No. 611,772
In Great Britain February 22, 1944
3 Claims. (Cl. 20—4)



1. A joint structure between two prefabricated building units extending substantially at right angles to one another, each of said units having parallel face-forming panels, one of said units having a first panel extending beyond the edge of a second panel, a junction element secured to and extending between said panels, said element having an oblique face overlying the extended portion of said first panel and sloping toward this panel as it extends inwardly of the unit and a shoulder extending from the inner end of said face to the edge of said second panel substantially at right angles thereto, the other of said units being provided at the point of connection between units with a second junction element having a face of complementary slope to said oblique face, the first mentioned junction element having a hole at right angles to the panels of its unit and the said second junction element having a hole parallel to the panels of its unit, and a bolt of smaller diameter than said holes passing therethrough, whereby tightening of said bolt draws said junction elements together and draws the said other of said units into engagement with said right angle shoulder.

2,458,075
PROCESS FOR PREPARATION OF THIOLESTERS
Chester M. Himel, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 10, 1946, Serial No. 640,385
12 Claims. (Cl. 260—455)

1. A process which comprises reacting in the presence of an acid a compound of the general formula

$$R{-}C{\equiv}N$$

where R is an unsubstituted hydrocarbon radical selected from the group consisting of alkyl, aralkyl, and aryl radicals, with a compound of the general formula

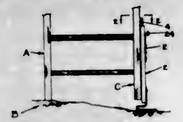
$$R''{-}\underset{\displaystyle R'''}{\overset{\displaystyle R'}{C}}{-}S{-}H$$

where R', R'', and R''' each is an alkyl radical

and the total number of carbon atoms in the molecule does not exceed twenty, treating the resulting material with water, and recovering a so-produced thiolester of the general formula

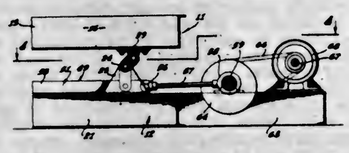
$$R{-}\overset{\displaystyle O}{\overset{\|}{C}}{-}S{-}\underset{\displaystyle R'''}{\overset{\displaystyle R'}{C}}{-}R''$$

2,458,076
LADDER EXTENSION
Charles O. Houston, Washington County, Pa.
Application March 12, 1947, Serial No. 734,121
3 Claims. (Cl. 228—63)



1. In a pawl and rack construction for an extensible ladder leg, said rack comprising a channel shaped member having a web with downwardly facing teeth and outwardly turned flanges, said teeth lying within the channel formed between said flanges, said pawl member comprising a channel shaped plate member having inwardly turned flanges slidably engaging said outwardly turned flanges on said rack, a tongue secured to said plate member and normally in spring engagement with the teeth of said rack, and a foot pivotally secured to said plate member and extending from a point beneath to a point outwardly of said ladder to form a tread portion.

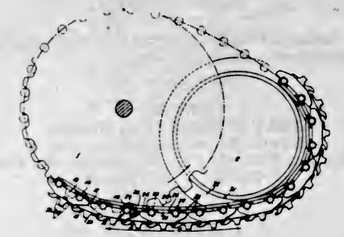
2,458,077
CONVEYER
Richard S. Jacobsen, Los Angeles, Calif.
Application March 5, 1945, Serial No. 580,972
8 Claims. (Cl. 198—220)



1. In conveyer apparatus, a trough comprising a plurality of trough sections arranged in overlapping relation, and oscillating means supporting the inlet end of each of said sections, the outlet end of each of said sections being supported by the inlet end of the next successive section in the direction of movement of material carried by said section whereby the outlet end of each of said sections is caused to partake of the vertical movement of the inlet end upon which it is supported.

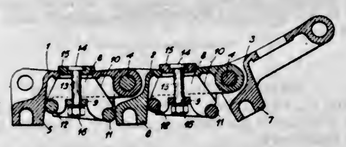
2,458,078
SELF-PROPELLED TRACK-LAYING VEHICLE
Philip Henry Johnson and Leonard William Tripp, Hounslow, England, assignors to Roadless Traction Limited, Hounslow, England, a company of Great Britain
Application June 14, 1945, Serial No. 599,470
In Great Britain December 17, 1943
3 Claims. (Cl. 305—8)

1. A tracklaying vehicle comprising an endless track of the locked girder type composed of links having abutments which inter-engage to limit the extent of articulation in one direction whereby the laid portion of the track cannot assume a reverse curvature, a driving wheel around which the track in front, relative to the normal direction of travel of the vehicle, of the laid portion is entrained, and an idler around which the track in rear of the laid portion is entrained, the driving wheel and idler each transmitting a part of the weight of the vehicle upon the track so as



to load the laid portion of the track at its ends and thus ensure that it is securely locked, track-engaging means on the driving wheel, and wheel-engaging means on the track so that the laid portion of the track takes the driving force in compression, the pitch of the track-engaging means being greater than the pitch of the wheel-engaging means, whereby it is ensured that under normal circumstances the wheel exerts no pull on the track.

2,458,079
RIGIDIFYING MEANS FOR FLEXIBLE ENDLESS TRACKS
Philip Henry Johnson and Leonard William Tripp, Hounslow, England, assignors to Roadless Traction Limited, Hounslow, Middlesex, England
Application March 4, 1946, Serial No. 651,791
In Great Britain December 12, 1944
10 Claims. (Cl. 305—10)

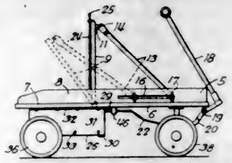


1. In a flexible endless track including a plurality of links, means converting said track at least partly into an endless track of the locked girder type, comprising a wedge member secured to each of said track links and so formed and located between adjacent links as to provide an abutment preventing these links from hinging into reversed curvature.

2,458,080
CONVERTIBLE COASTER WAGON
Agnar Johnson, Rockford, Ill.
Application January 17, 1946, Serial No. 641,740
16 Claims. (Cl. 280—87.01)

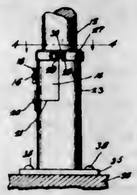
3. A wagon as set forth in claim 1 including a cross-piece on the rear end portion of the rear section, the opposite ends of which are arranged to overlie the rearwardly extending side portions

of the main section for support of the rear section on the main section in lowered position, the



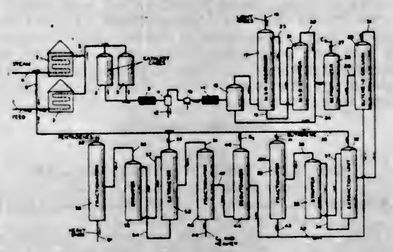
arms being pivotally connected at their rear ends to the ends of said cross-piece.

2,458,081
POLE SUPPORTING HINGE
Edwin M. Jordan, Miami, Fla.
Application November 17, 1945, Serial No. 629,279
2 Claims. (Cl. 189—28)



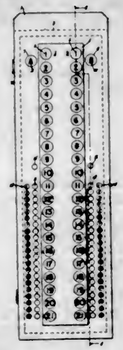
1. A pole and a supporting device therefor comprising a vertically disposed tubular base member having means on its lower end for securing the same upon a suitable support, the upper end of said tubular base member being vertically split to form arcuate clamping segments of a similar size, one of said segments being cut from said tubular base member and hinged at its bottom thereto, means for detachably securing the base of the pole to said hinged segment for pivotally moving the pole to either horizontal or vertical position, arcuate pole encircling clamping arms hinged to the fixed arcuate clamping segment for disposing about the pole and hinged segment when in vertical position, and locking means for the free ends of said locking arms.

2,458,082
PRODUCTION OF DIOLEFINS
Myron O. Kilpatrick, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 6, 1946, Serial No. 688,623
10 Claims. (Cl. 260—680)



1. A process for the production of diolefins which comprises contacting a mixture of butenes and about 5 to about 10 volume per cent of 5 carbon atom hydrocarbons more saturated than diolefins at a temperature within the range of from about 1000 to about 1300° F. with a dehydrogenation catalyst in the presence of from about 8 to about 15 volumes of steam per volume of hydrocarbon.

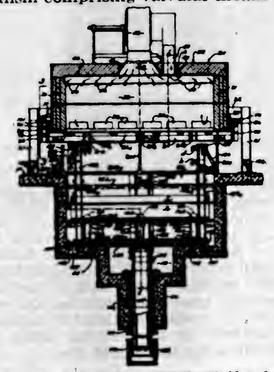
2,458,083
GAME SCORING DEVICE WITH SCORE INDICATING LIGHTS
George E. Kochem, Schenectady, N. Y.
Application July 22, 1946, Serial No. 685,305
2 Claims. (Cl. 177—337)



1. A game scoring device comprising a body member having two adjacent parallel rows of recesses therein, a respective light source positioned in each of said recesses, an opaque cover enclosing said body member, said cover having translucent portions closing the entrances to said recesses, said portions forming the sole outlet for light from said sources, a pair of metallic members arranged respectively on opposite sides of said body member, two parallel rows of contacts insulatingly supported on said metallic members and arranged on opposite sides of said recesses, the contacts in each row being connected with the lights in the adjacent row of recesses, each of said contacts being connected in series with the correspondingly positioned light source, a source of electrical energy connected in series with said lights and said metallic members, indicia corresponding to successive scores of a game to be scored supported on adjacent ones of said portions, corresponding indicia positioned adjacent corresponding ones of said contacts, said metallic members having apertures aligned with said contacts, and a movable contact making member for connecting a desired one of said contacts with its associated metallic member to energize the corresponding light source and illuminate the corresponding indicium associated with said light source.

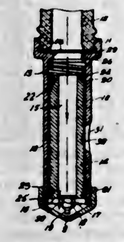
2,458,084
HEAT-TREATING SYSTEM
Jess Max Lee, Los Angeles, Calif.
Original application December 9, 1941, Serial No. 422,214. Divided and this application August 17, 1945, Serial No. 610,917
6 Claims. (Cl. 266—4)

1. In a system for heat treating metal articles including in combination a heating furnace having a closure at its lower side, means for opening and closing said closure, a quenching bath spaced below said furnace, a fluid pressure cylinder located below the quenching bath, a lift plunger extending upwardly from the cylinder through the quenching bath, a load receiving platform carried by the upper end of the plunger, plunger operating means including a valve control mechanism for admitting and exhausting pressure gas into and from said cylinder, said mechanism comprising valvular means automati-



cally actuated by movement of the load receiving platform for restricting the exhaust from the cylinder during downward movement of the plunger when the load receiving platform is at a predetermined point of its downward travel in the quenching bath so as to form a gaseous cushion upon which the plunger and load receiving platform oscillate in the bath.

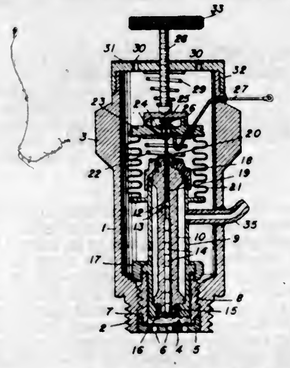
2,458,085
PLUNGER FED DROPPER
Carl L. Ludwig, Los Angeles, Calif.
Application January 22, 1944, Serial No. 519,289
2 Claims. (Cl. 222—386)



1. A dispenser as described comprising a casing for a quantity of fluid having a dispensing aperture, a tube within said casing having a teat at one end adjacent said aperture, and means to reciprocate said tube whereby to force fluid from the interior of said casing through said tube and through said dispensing aperture, said means including an opening in said casing and a knurled surface on said tube registering with said opening.

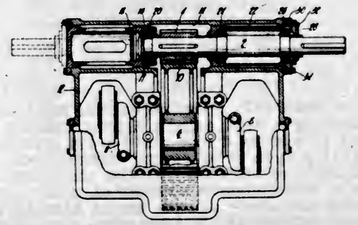
2,458,086
ENGINE COMBUSTION REGULATING DEVICE
Charles W. MacMillan, Alexandria, Va.
Application May 9, 1946, Serial No. 668,615
5 Claims. (Cl. 123—117)

1. An electrical contact device comprising a diaphragm and an electrical conducting liquid, means for supporting said diaphragm for exposure of one side to combustion chamber gas pressure of an internal combustion engine, the other side of said diaphragm being in contact with said liquid, said diaphragm being supported to permit flexure under combustion gas pressure,



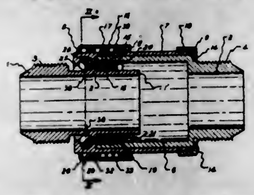
said electrical conducting liquid being disposed to rise thru a plurality of orifices as a result of said flexure of said diaphragm, and an adjustable electrode disposed for contact with said liquid rise, connecting circuits and a battery current source for electromechanical control of selected engine regulating accessories and devices.

2,458,087
DRIVE SHAFT ASSEMBLY
August R. Maier, Oil City, Pa., assignor to Oil Well Supply Company, a corporation of New Jersey
Application October 25, 1945, Serial No. 624,370
2 Claims. (Cl. 308—207)



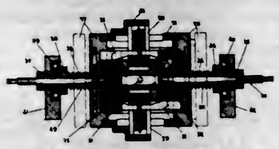
1. In a reversible drive shaft assembly including a housing having opposed openings for a drive, a drive shaft having a pinion which is wider than the gear driven thereby adjacent its inner end, said drive shaft being shorter than the distance between said openings and having its inner end supported in a bearing at the inner end of a sleeve projected through one of said openings, said drive shaft having a bearing surface on its inner end which is longer than the bearing surface of said bearing, said drive shaft being rotatively mounted in a pair of bearings internally disposed adjacent the ends of a sleeve to form a unitary assembly which is projected through the other of said openings whereby said assembly may be reversed by interchanging said sleeves without adjusting said bearings.

2,458,088
COUPLING
Donald W. Main, Jackson, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application December 29, 1945, Serial No. 637,807
5 Claims. (Cl. 285—169)



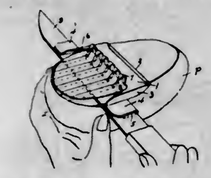
1. A coupling of the character described comprising a receiving portion and an entering portion, said portions being adapted to be moved into telescoping relation, a latch on the outer surface of said entering portion, a yieldable catch on said receiving portion in the path of said latch upon the telescoping of said portions, said catch yielding to the passage of said latch upon telescoping movement of said portions in a coupling direction but positively resisting movement of said latch in a return direction, said catch comprising a bar having a locking shoulder and mounted for axial rotation, and spring means for resiliently biasing said bar rotationally to dispose said shoulder in a predetermined latch locking position.

2,458,089
SOLID AXLE DRIVE MECHANISM FOR VEHICLES
Gordon Earl McFarlane, Ville Emard, Quebec, Canada
Application June 29, 1945, Serial No. 602,381
2 Claims. (Cl. 74—389.5)



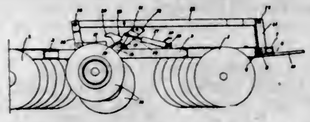
1. A solid axle drive mechanism for vehicles comprising a solid axle, a driving cylinder secured to said solid axle and having a plurality of driving teeth at its circumferential ends, and a plurality of projecting lugs on the circumference of said cylinder a plurality of catch carriers having projecting catches spring-held in said driving cylinder and forming a reversing mechanism, an operating collar having a plurality of slots engaging with the lugs on said driving cylinder, the inner circumference of said collar being formed in a cam shape adapted to engage and drive the said catch carriers for reverse motion, sleeve members freely rotatable on said solid axle, driven plates slidably secured to said sleeve members and having a plurality of teeth adapted to detachably mesh with the teeth of said driving cylinder for drive in the forward direction, spring means mounted on said sleeve members for constantly urging said driven plates toward said driving cylinder, cams engaged with said driven plates and adapted to engage with the catch carriers of said driving cylinder for the reverse motion, vehicle wheels secured to said sleeve members, and means for rotating said operating collar.

2,458,090
SLICER
Frederick H. Miller, Portland, Oreg., assignor of one-half to S. O. Pearson, Portland, Oreg.
Application July 1, 1946, Serial No. 680,622
2 Claims. (Cl. 30—279)



1. A slicer wherein a device is attached to a knife blade to cut the article being sliced into parallel strips, the improvement which comprises: a device composed of a single piece of material and embodying a body portion having down turned sides, knife clips at the bottoms of said sides and a series of fingers each including an upwardly extended loop and a downwardly extended cutting blade, said cutting blades being spaced apart in parallel relation for making cuts in planes normal to the cutting plane of the knife blade when the device is in use.

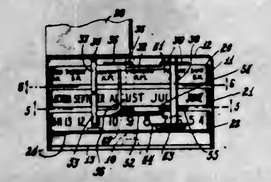
2,458,091
DISK HARROW HITCH LOCKING MEANS
John S. Moore, Modesto, Calif.
Application July 6, 1945, Serial No. 603,553
7 Claims. (Cl. 55—73)



1. A holding mechanism for a normally vertically swingable hitch assembly of a ground working implement which includes a frame and a lift assembly mounted in connection with said frame; said mechanism including a rigid member upstanding from the hitch assembly, a link pivoted on a transverse axis in connection with the member and extending rearwardly therefrom, normally released means to hold said link against longitudinal movement, and means to place said holding means in operation upon actuation of the lift assembly; said holding means including a bellcrank pivoted in connection with the frame for swinging in a vertical plane, one leg of the bellcrank being upstanding and the link being pivoted thereto, the other leg of the bellcrank extending forwardly lengthwise of the implement, and said last named means including a latch movable to a hold-down position in engagement with said other leg of the bellcrank.

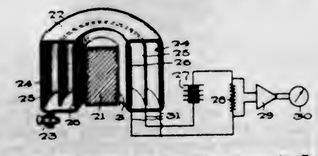
2,458,092
INTERMITTENTLY AND PAWL DRIVEN, SINGLE AXIS, MULTIPLE DRUM CALENDAR
Joseph C. Morris, Chicago, Ill.
Application February 22, 1945, Serial No. 579,184
1 Claim. (Cl. 40—112)

In a calendar mechanism, a spindle, a series of drums carrying day of the month, month, and day of the week designations respectively loosely mounted on said spindle, a ratchet on each drum, pawls one operatively associated with each of the ratchets on the day of the month drum and on the day of the week drum, trip levers one operatively connected with each pawl, a shaft adapted for intermittent step-by-step rotation, means operable to rotate said shaft, and means on said



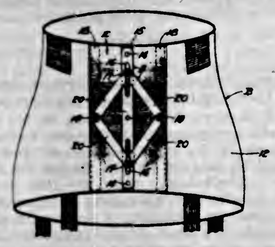
shaft effective to trip the lever operatively associated with the pawl on the day of the week drum twice as frequent as the lever operatively associated with the pawl on the day of the month drum.

2,458,093
METHOD OF DETERMINING THE FLUID CONTENT OF WELL CORES
Morris Muskat, Oakmont, and Norman D. Coggeshall, O'Hara Township, Allegheny County, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application February 19, 1945, Serial No. 578,748
1 Claim. (Cl. 250—83)



A method of determining the connate fluid content of a well core sample comprising adding to the drilling fluid a known concentration of artificially radioactivated material soluble in the drilling fluid, cutting and removing the core sample from the well, measuring the radioactivity of a known quantity of core sample to determine the amount of drilling fluid absorbed in the sample, determining the nature and quantity of total fluids in the core sample and subtracting therefrom the said determined amount of drilling fluid absorbed.

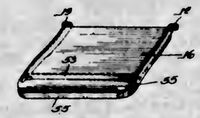
2,458,094
FOUNDATION GARMENT
Matthew A. Nathanson, Brookline, Mass.
Application September 10, 1946, Serial No. 695,961
3 Claims. (Cl. 2—36)



1. A girdle including a body-encircling member composed, at least in part, of elastic fabric; two

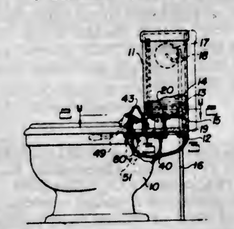
laterally spaced pivots having between them at least a portion of the elastic fabric; and an auxiliary support including a central element which is secured to the elastic fabric between said pivots and links which are connected with said pivots and pivotally and slidably connected with said central element at either side of the level of said pivots.

2,458,095
SEAT CONSTRUCTION FOR CHAIRS
John B. O'Connor, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application October 7, 1941, Serial No. 413,990. Divided and this application July 22, 1946, Serial No. 685,427
10 Claims. (Cl. 155—194)



1. A metal chair construction comprising a metal seat, said seat comprising a seat frame and a sheet metal seat member adapted to overlie and bridge said frame, said sheet metal seat member having downwardly turning flanges extending about peripheral portions thereof and said seat member being of somewhat S-shape from the front to the rear, said seat frame comprising a pair of parallel, spaced apart side frame members lying generally within the depending flanges of the sheet metal seat member and extending substantially from the rear of said sheet metal seat member and terminating short of the front of said sheet metal seat member, and a metal cross brace extending between said side frame members adjacent but spaced rearwardly of the forward ends thereof, each of said side members having portions extending forwardly of said cross brace to provide a forwardly projecting extension having a portion underlying to support the underside of the sheet metal seat member beyond said cross member on each side of said seat, and each of said side frame members adjacent its junction with the cross brace including a second metal extension bent normally to said first metal extension and attached to said cross brace.

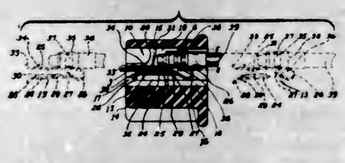
2,458,096
WATER CLOSET
Ross A. Park, Detroit, Mich.
Application March 27, 1946, Serial No. 657,480
5 Claims. (Cl. 4—40)



1. In a water closet including a bowl and a tank with water for flushing said bowl, said tank hav-

ing an upper and a lower chamber, means to admit water from a source of supply to the upper chamber, a float valve to control admission of water to said chamber, a cylindrical member seated in the bottom of the upper chamber and including a flush valve therein, a cable adapted to be operated by a handle to open said flush valve, baffle means within the cylinder and aperatures in the wall thereof and above said baffles to divert a part of the volume of water into the lower chamber on opening of said flush valve, automatic means responsive to the operation of the handle to close the flush valve suddenly after a lapse of time and outlet means from the lower part of the cylinder to allow outflow of water from the lower chamber into the bowl after the closing of the flush valve.

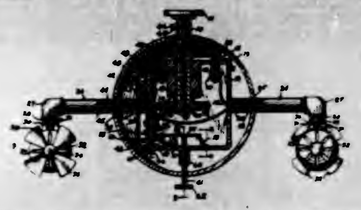
2,458,097
ELECTRICAL CONNECTION MEANS
Charles S. Penfold, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Original application April 1, 1940, Serial No. 327,143, now Patent No. 2,318,650, dated May 11, 1943. Divided and this application February 24, 1943, Serial No. 476,986
8 Claims. (Cl. 173—328)



1. In a device of the class described, the combination of an insulating body having a pocket therein, and a contact received in said pocket, said contact having conductor holding and terminal receiving portions arranged side by side in said pocket in offset overlapped relation, said conductor holding portion being arranged to receive an end of a conductor projecting into said pocket so that said conductor end lies wholly within and is substantially concealed by said pocket, and said terminal portion being constituted by spreadable blade-like legs adapted to receive between them and yieldingly grip a blade-like terminal projected into said pocket, at least one of said legs constituting an abutment means to interlock with the pocket and limit movement of the contact relative to the pocket in one direction, and additional means on the other leg adjacent said abutment means for interlocking with the body for limiting movement of the contact relative to the body in an opposite direction, at least certain of said means being yieldable so as to permit the same to yield during insertion of the contact into the body and snap into the said interlocking relation.

2,458,098
REVOLVING FAN SPEED CONTROL
Ely Primeaux, Alexandria, La.
10 Claims. (Cl. 236—270)

1. In a revolving fan speed control, a hanger, a plurality of fans arranged to revolve about the hanger, a governor including a staff mounted to revolve with the fans around the hanger and having drive connection with the hanger, governor means on the staff, a brake disc slidable with the governor according to the speed of rotation thereof and a brake shoe engageable with the disc to



control the speed with which the fans revolve about the hanger.

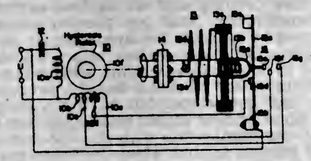
2,458,099
IONIZATION CHAMBER
Harold D. Roop, Los Angeles, Calif.
Application October 19, 1945, Serial No. 623,334
10 Claims. (Cl. 250—83.6)

9. An ionization chamber for the measurement of intensity of an ionizing radiation, said ionization chamber including: a housing providing an axis and including means for confining a gaseous substance therein, said housing including a thin window traversing said axis for transmitting the ionizing radiation to the interior of said housing and to the gaseous substance therein; two electrode sets in said housing, each set comprising a plurality of tubular electrodes concentric with said axis, the tubular electrodes of one set bisecting the spaces between the tubular electrodes of the other set to provide a plurality of small-width inter-electrode spaces; means for insulating the electrode sets from each other whereby a high potential difference can be maintained therebetween to establish electric fields in said inter-electrode spaces; and a coating of a phosphor on at least some of said tubular electrodes to receive incident radiation transmitted through said window, said phosphor being excitable by such radiation to produce ultra violet radiation and thus produce a supplementary ionizing radiation for ionizing said gaseous substance.

2,458,100
HYSTERESIS MOTOR CONTROL SYSTEM AND METHOD OF OPERATION
Herbert C. Roters, Kew Gardens, N. Y., assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y., a corporation of New York
Application August 9, 1946, Serial No. 689,386
22 Claims. (Cl. 318—166)

1. The method of operating a hysteresis synchronous motor including a magnetic armature of material having a high hysteretic constant which comprises, operating the motor at an abnormally high magnetomotive force whenever the acceleration of said motor is above a given

value, and reducing the magnetomotive force of the motor whenever the acceleration of said motor is less than said value, thereby to reduce the normal magnetising current required by the motor.



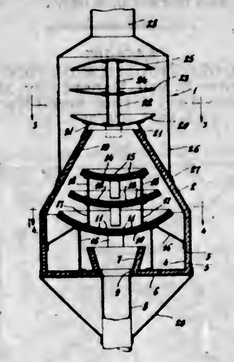
11. An electric control system for a hysteresis synchronous motor including a magnetic armature of material having a high hysteretic constant comprising, an acceleration-responsive device adapted to be driven by the motor, circuit-controlling means disposed to be actuated by said device, and an energizing circuit for the motor including said circuit-controlling means for developing in said motor an abnormally high magnetomotive force.

2,458,101
LEAK DETECTOR
Truman C. Rethfus, Des Moines, Iowa
Application January 4, 1946, Serial No. 638,971
5 Claims. (Cl. 73—40)

1. A leak detector comprising a body of rigid formation including parallel portions one relatively elongated and the other substantially shorter connected by an easy bend and having a continuous internal passage, a drop of mercury in said passage capable of being displaced by air or gas under pressure, and means at the free end of the elongated portion to have sealing contact with the device to be tested.

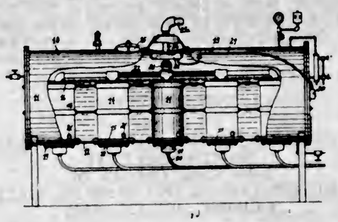
2,458,102
SILENCING MUFFLER
Abel Schott and Gustave A. Ebelshauser, Astoria, Long Island, N. Y.
Application July 25, 1946, Serial No. 686,199
2 Claims. (Cl. 181—49)

1. A silencing muffler comprising a casing whose front portion is cylindrical and connected to the exhaust pipe of an internal-combustion engine while its main portion has the form of a blunt cone, a plurality of perforated diverging concavo-convex plates being coaxially arranged within said casing and being in spaced relation to each other as well as to the inner sides of said casing, a tubular member having a reduced end portion and being with its front extremity secured to the outer side of the main portion of said casing, in such a manner that the latter is partially extended into said tubular member, and a plurality of concave disks being coaxially arranged within said tubular member and being in spaced relation to each other as well as the inner sides of said tubular member and to the main portion of said casing, each of said concavo-convex plates as well as the walls of said casing consisting of two layers of metal with a layer of fireproof material therebetween, and the perforations in those of said



plates which are close to the front of said casing being larger and less spaced apart from one another than are the perforations in the plates which are farther away from said front, all substantially as set forth.

2,458,103
ELECTRIC BOILER
Emanuel Schwartz, New York, N. Y.
Application February 14, 1946, Serial No. 647,459
10 Claims. (Cl. 219—38)



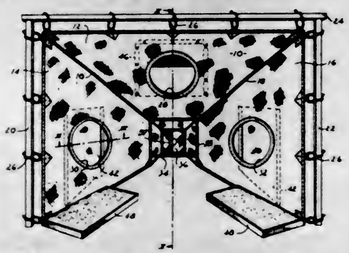
1. In a boiler, a plurality of vertical steam generating cylinders secured to the bottom of the boiler, each cylinder having a water inlet opening in its side near the lower end, an electric heater tube inside the cylinder, an outlet pipe at the top of each cylinder, said outlet pipes all connected to a steam pipe leading to a perforated ball-shaped nozzle in the center of the steam space, said nozzle being detachable.

2,458,104
FLUORESCENT MATERIALS
Ernest Schweizer, East Orange, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 1, 1945, Serial No. 580,488
1 Claim. (Cl. 154—40)

In a process for the production of orange colored materials capable of fluorescing brightly under the influence of ultra-violet light in substantially the same orange color, the step which comprises laminating a sheet of a colored, transparent cellulose acetate material having diethyl-

M-amino-phenolphthalein incorporated therein to a non-fluorescent, opaque, colored cellulose acetate base material pigmented with lead chromate, the resulting laminated material exhibiting an orange color substantially identical under both visible light and ultra-violet light.

2,458,105
GOLF PRACTICE DEVICE
Vernon D. Sell, Kansas City, Mo.
Application April 8, 1946, Serial No. 660,391
1 Claim. (Cl. 273—35)



A device for practicing the game of golf comprising a pyramidal backstop disposed with its axis substantially horizontal and having a plurality of apertured walls of flexible material and an opening formed at the vertex thereof; framework for supporting the walls in taut condition; an open-bottom deflector for each aperture respectively carried by said walls and extending outwardly from one face thereof for changing the path of travel of golf balls passing through said apertures; and a target mounted within said opening, the area of said target being smaller than the area of said opening, said target having an aperture therethrough appreciably smaller than the apertures in said walls.

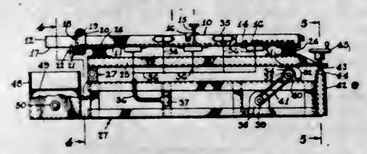
2,458,106
COMBINATION SEAL, DRIP TUBE, AND DISPENSING UNIT
John Shaw, Chicago, Ill.
Application June 3, 1947, Serial No. 752,114
4 Claims. (Cl. 128—214)

1. In combination with a container having a hollow interior with liquid therein, a transparent neck and an inwardly curved gradually reduced portion connecting the interior with the neck, a body member having spaced top and bottom portions and a stretchable connecting portion therebetween, said connecting portion substantially smaller in diameter than said top and bottom portions leaving a space therebetween to form with the transparent neck a liquid flow chamber, the bottom portion of said body member being slightly larger in diameter than the diameter of the upper part of the curved portion of the container, and adapted to seal therewith, the connecting portion of said body member being normally slightly less than the distance between the top of the neck of the container and the inwardly curved portion, said connecting portion stretchable so that said top portion engages the top of the neck of the container, said bottom portion having a liquid flow opening and an air hole corresponding therethrough, said top portion adapted to be pierced by a needle for supplying air from the atmosphere, said top portion also adapted to be pierced by a needle extending within the liquid flow chamber for receiving liquid from said container, said bottom portion having a hollow integral tip extending within said liquid flow chamber and communicating with the opening in said bottom portion so that when the container is inverted the flow of liquid from said tip is visible through the transparent wall of the neck of said container.

2,458,107
PROCESS FOR THE PREPARATION OF CARBON
Joseph H. Simons, State College, Pa., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application December 23, 1941, Serial No. 424,214
15 Claims. (Cl. 23—209.1)

1. A process for oxidizing a non-aromatic compound selected from the group consisting of non-aromatic hydrocarbons and alcohols which comprises oxidizing the same in the presence of an oxidizing agent under super-atmospheric pressure at a temperature within the range of 50 to 200° C. in a reaction mixture containing liquid hydrogen fluoride in substantial amounts as an essential constituent, and recovering carbon as a product of the reaction.

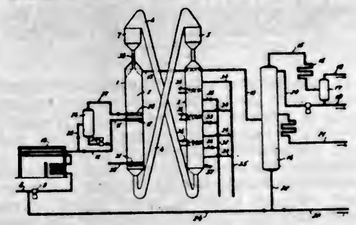
2,458,108
GRAINING APPARATUS
John M. Simpson, Brooklyn, N. Y.
Application March 25, 1946, Serial No. 657,030
6 Claims. (Cl. 51—6)



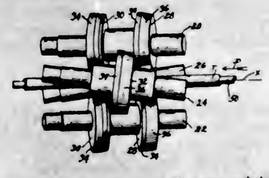
1. A grinding apparatus or the like comprising a main supporting frame, a sub-frame hinged at one end to said main frame, means carried by said main frame for movably supporting the opposite end of said sub-frame and for imparting thereto an up and down movement, a graining container, flexible means fixed on said sub-frame supporting said graining container on said sub-frame and means for reciprocatingly vibrating said graining container in a horizontal plane on said supporting means with respect to said sub-frame.

2,458,109
CONVERSION OF HYDROCARBONS
Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 27, 1945, Serial No. 607,457
4 Claims. (Cl. 196—52)

1. The method of converting a heavy, high boiling hydrocarbon oil into high quality gasoline by catalytic cracking in the presence of a particle-form solid catalytic contact mass which comprises circulating said contact mass in a closed cyclic path through an enclosed conversion zone and an enclosed regenerating zone, moving said contact mass through said conversion zone in the form of a substantially compact column, heating a charge oil containing a substantial fraction boiling above the desired reaction temperature to a temperature not higher than said reaction temperature, discharging said oil in said heated condition into said column at a point intermediate the ends thereof to be converted therein, removing vaporous products of conversion from the upper end of said column, passing hydrocarbon vapors liberated at and below the oil feed point upwardly through that portion of the column above said feed point, removing contaminated contact mass from the bottom of said conversion zone while substantially preventing escape of vaporous hydrocarbon material therewith, subjecting the contaminated contact mass to a combustion regeneration at high temperature, removing the contact mass from regeneration and introducing it in heated condition into said conversion zone while substantially preventing the escape of combustion gases into said conversion zone, the heat in the said contact mass and the temperature of the charge oil being proportioned to maintain the conversion zone at a desired reaction temperature between about 800° F. and about 1000° F. and not above the boiling point of said substantial fraction of the charge oil.

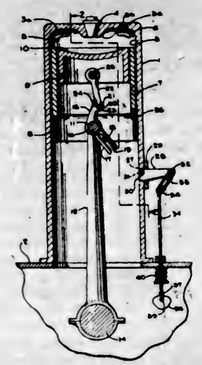


2,458,110
APPARATUS FOR PRODUCING SEAMLESS TUBES
Earl C. Sleeman, Detroit, Mich., assignor to Detroit Seamless Steel Tubes Company, Detroit, Mich., a corporation of Michigan
Application November 7, 1944, Serial No. 562,309
1 Claim. (Cl. 80—13)



A seamless tube rolling mill comprising, a pair of driven shafts arranged with their axes diametrically opposed with respect to a pass line, a second pair of driven shafts arranged with their axes diametrically opposed with respect to said pass line and circumferentially spaced 90° around said pass line from said first-named shafts, all said shaft axes being fixed against rotation about said pass line, the axes of said shafts being askew to each other and to the said pass line, two pairs of opposed rolls axially spaced and fixed on said first pair of shafts, and a pair of opposed rolls fixed to said second pair of shafts and disposed axially intermediate the said two pairs of rolls on said first shaft.

2,458,111
MULTIPLE PISTON FOR INTERNAL-COMBUSTION ENGINES
Rudolph Soltesz, Wheeling, W. Va.
Application February 11, 1947, Serial No. 727,903
5 Claims. (Cl. 123—78)

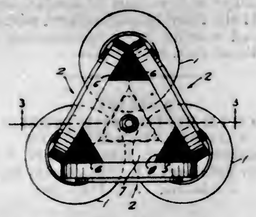


5. An internal combustion engine comprising a working cylinder, a crank case attached to said cylinder, a crank shaft journaled in said crank case, a main sleeve piston reciprocating in said cylinder, a wrist pin mounted in said sleeve piston, a connecting rod journaled at opposite ends to said crank shaft and said wrist pin, an inner piston reciprocating within said sleeve piston, a rocker arm pivotally supported by said wrist pin, said rocker arm having a vertical extension and a downwardly depending bifurcated extension, a connecting rod journaled at opposite ends to said inner piston and said vertical extension of said rocker arm, said last named connecting rod having a stop adapted to engage said vertical extension, a reciprocating catch supported by said cylinder and adapted to engage said bifurcated extension of said rocker arm, and cam controlled means to move said catch whereby the inner piston has a greater intake and compression stroke than that of the main sleeve piston.

2,458,112
THREE-PHASE TRANSFORMER CONSTRUCTION
Alwin G. Steinmayer, Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application January 20, 1947, Serial No. 723,060
4 Claims. (Cl. 175—356)

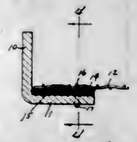
1. A three phase transformer comprising three conducting winding assemblies, three closed cores formed of wound magnetic ribbon having leg portions passing through the conducting winding assemblies and having yoke portions provided with slanting inner faces, initially bowed laminated magnetic filler members at each end of the transformer located between the yoke portions and having slanting outer faces arranged adjacent the slanting inner faces of the yoke portions,

and means arranged to force the slanting faces of the filler members outwardly to secure binding



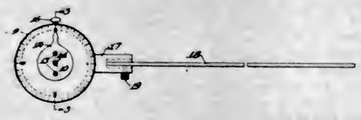
engagement between the slanting faces of the yoke portions and the filler members.

2,458,113
FREEZING AND DEHYDRATING TRAY
Glenn W. Stevens, Salem, Oreg.
Application August 27, 1946, Serial No. 693,263
1 Claim. (Cl. 220—19)



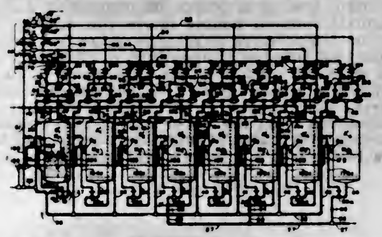
A tray of the class described, consisting of an angle bar having a layer of plastic disposed upon one leg thereof on the inner side of said bar, in combination with a screen having an inturned edge adapted to rest upon said bar and a binding strip within said inturned edge, together with staples extending through said screen binding strips and angle bar support.

2,458,114
LAYOUT PROTRACTOR
Reuben H. Storch, Minneapolis, Minn.
Application May 16, 1947, Serial No. 748,404
2 Claims. (Cl. 33—75)



1. A layout protractor particularly adapted for laying off angles on a flat surface, comprising a stationary member with an enlarged base portion and a diminished upstanding spindle portion, said spindle portion having a peripheral groove formed therein, a locating and securing pin extending longitudinally through said spindle and said base portion and adapted to secure said member at a predetermined point on the flat surface, a rotatable member journaled on said spindle and riding on said enlarged base portion, a locking and retaining element connected with said rotatable member and adapted to be projected into said groove to retain said rotatable member on said spindle and to selectively hold said rotatable member against rotation on said spindle, means for attaching an arm to said rotatable member whereby any desired angle may be laid off, and means on said spindle and rotatable member for indicating the angle laid off.

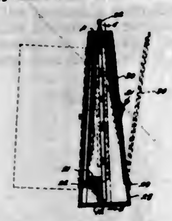
2,458,115
CONTROL OF ION EXCHANGE SYSTEMS
Walter R. Swensen, Flushing, N. Y., assignor to The Dorr Company (Inc.), New York, N. Y., a corporation of Delaware
Application August 2, 1947, Serial No. 765,683
4 Claims. (Cl. 210—24)



1. In combination with a plurality of closed ion exchange cells containing beds of ion exchange material in submergence and which are operable in selectively changeable sequence through which a liquid is sequentially passed, each of which cells has feeding means for supplying liquid to the bed and discharge means for discharging liquid from the bed whereby liquid is being passed through the bed, and also has automatic control means for maintaining the liquid level substantially constant at the top of said bed, a control system for maintaining the liquid level in each cell substantially at the top level of the bed, comprising a compressed air supply header having a supply branch for each cell leading to and into the respective top portion thereof to supply air pressure to the liquid level in the cell, each supply branch comprising an exhaust portion, a reverse-acting diaphragm-controlled valve in which gas pressure from the cell acts upon the inner side of the diaphragm in a valve-closing sense disposed in each said supply branch between said supply header and said exhaust portion, a right-acting diaphragm-controlled valve in which gas pressure from the cell acts upon the inner side of the diaphragm in a valve-opening sense disposed in said exhaust portion, the inner sides of the diaphragms of said valves being simultaneously and directly under the air pressure in the cell, an interconnecting pressure-equalizing conduit between the outer pressure chambers of the diaphragm-controlled valves of each cell, a plurality of auxiliary pressure fluid supply headers, a pressure reduction device disposed in each auxiliary header adapted to be pre-set for admitting a different predetermined fluid pressure into each auxiliary header, parallel branch connections between each of said auxiliary headers and each of said interconnecting conduits, and selectively operable shut-off means in each of said parallel branch connections.

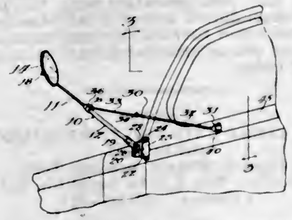
2,458,116
GARMENT CASE FOR CONTAINING A COAT HANGER, SHOE BOX, AND SUPPORTS FOR SMALL PERSONAL ARTICLES
Bert C. Titus, Dubois, Pa.
Application October 11, 1946, Serial No. 702,815
1 Claim. (Cl. 190—19)

A garment case comprising a narrow vertically elongated box-like structure having upwardly converging front and rear walls, each provided with a closure therein, said closures extending downwardly to a point above the bottom of the box-like structure, to define a well in the box-like structure for containing loose articles, a handle on the top of the box-like structure, a hanger element on the bottom side of the top of the box-like structure, a garment hanger in the box-like structure suspended from said hanger element



and provided with side leg portions depending into said well, one of said closures being provided with a handle whereby the box-like structure can be lifted in cooperation with the handle on the top of the box-like structure.

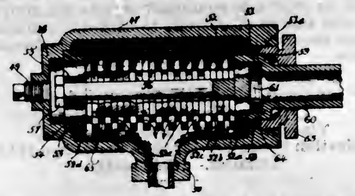
2,458,117
REARVIEW MIRROR SUPPORT
William P. Tolbert, Fort Madison, Iowa, assignor to Anthes Force Oiler Company, Fort Madison, Iowa, a corporation of Iowa
Application March 22, 1945, Serial No. 584,051
3 Claims. (Cl. 248—279)



1. Mounting means for applying rear view mirrors and the like to vehicles comprising in combination a main mirror supporting arm, a bracket carrying said arm and adapted to be mounted on the vehicle the mirror supporting arm being mounted for vertical swinging movement in the bracket, a strut arm having one end pivoted to the mirror arm at a distance from the bracket end thereof and on an axis at right angles to the pivotal axis of the main arm, and a bracket supporting the other end of said strut arm and spaced horizontally from the bracket carrying the mirror supporting arm and adapted to be mounted on the vehicle in spaced relation to the first named bracket, said last named bracket being connected with the strut arm by a universal joint.

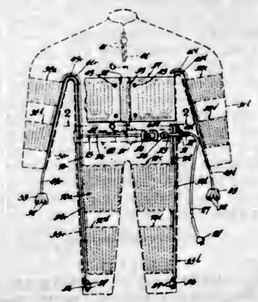
2,458,118
ADJUSTABLE STRAINER
Charles M. Tursky, Long Island City, N. Y.
Application February 8, 1945, Serial No. 576,877
3 Claims. (Cl. 210—169)

1. In a filtering apparatus, a body provided with a fuel chamber, a torsionally settable coil communicating with said chamber and supported on said body, means to releasably lock said coil in any torsionally preset position against said body, the said coil having adjacent polygonal convolutions at all times contacting each other and having openings between adjacent convolutions which are controlled in size by the torsional presetting of the coil, the said openings being formed between the straight arm portions of each convolution intersecting two adjacent straight arm portions of overlying and underlying convolutions in the region spaced inwardly of the bend and crossing bends formed by the straight arm portions of the adjacent convolutions, said openings serving as the filtering means for the feeding liquid, an inlet and an outlet in the body for the flow of liquid through the said coil, the flow of liquid being between the sides of the coil and through the filtering openings.



3. In filtering apparatus having mounting and locking means for a straining and vaporizing element, a torsionally settable straining coil forming a plurality of adjustably controlled openings for filtering in proportion to the torsion exercised, said coil having a plurality of adjacent and at all times contacting polygonal convolutions, the straight arm portions of each convolution intersecting two adjacent straight arm portions of overlying and underlying convolutions in the region spaced inwardly of the bend and crossing bends formed by the straight arm portions of the adjacent convolutions thereby affording variable openings therebetween controlled by the presetting of the coil, said coil being removably secured to said mounting means and being adapted to be releasably locked thereagainst in any torsionally preset position, an inlet and an outlet in the body for the flow of fuel through the said coil.

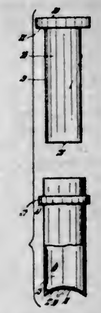
2,458,119
ELECTRICALLY HEATED WEARING APPAREL
Gerrit Van Daam, Buffalo, N. Y.
Application February 20, 1943, Serial No. 476,553
5 Claims. (Cl. 219—46)



1. In combination: a garment; a plurality of individual electric heating means for heating different parts of the body of a wearer of said garment; individual conductor means for separately supplying each of said electric heaters with electric current; belt means, permanently fastened to said garment about the waist portion thereof,

so constructed and arranged as to provide conduit means between the inside surface of said belt means and the outside surface of said waist portion; bus conductor means disposed in said conduit means; electrical connection means, electrically connected to said bus conductor means, constructed and arranged for connection to a source of electric current, to connect said source to said bus conductor means; said individual conductor means being electrically fixedly connected to said bus conductor means; and switch means carried by said belt means and electrically interposed in said bus conductor means for controlling the supply of current to said bus conductor means separately from said electrical connection means.

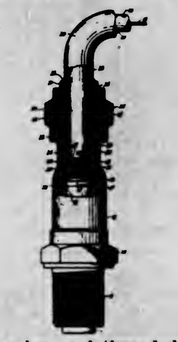
2,458,120
CORN BUTTERING DEVICE
Vincent Volpini, Springfield, Mass.
Application December 13, 1947, Serial No. 791,567
2 Claims. (Cl. 65—12)



1. A two part device for applying butter to a cylindrical elongated ear of corn comprising in combination, an elongated tubular body having a transverse lower wall and an imperforated side wall providing a cylindrical axial bore of uniform diameter for butter extending downwardly therein from the upper end thereof to said lower wall and being open at the said upper end of said body, said lower wall having an arcuate lower face complemental to the curvature of an ear of corn and provided with a plurality of spaced openings therethrough for the discharge of butter therethrough, and an elongated plunger of uniform diameter having sides closely corresponding to the sides of the bore of said body so as to fill the same and being receivable in the upper end of said bore and reciprocable therein and provided with a substantially flat transverse lower end face for acting on butter in said bore, said plunger being of greater length than said bore whereby an upper end portion thereof extends beyond the upper end of the body when it is in lowermost position in said bore.

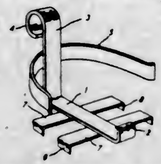
2,458,121
RADIO SHIELDED IGNITION MEANS
Claude F. Waldron, Unadilla, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1945, Serial No. 601,085
4 Claims. (Cl. 315—85)

1. In apparatus of the class described, a radio-shielded spark plug comprising a tubular metallic shielding barrel, an insulating sleeve lining said barrel, an insulated conductor extending loosely into said barrel a shielding conduit surrounding said conductor exteriorly of said barrel, a non-hardening plastic insulating material completely filling the space between said sleeve and the portion of said conductor disposed within said barrel, a flanged member connected with said shielding conduit and adapted to engage the upper surface of said barrel, and nut means engaged



with said member and threaded on said barrel for securing said member to said barrel, said nut means having an opening extending therethrough and communicating with the interior of said barrel during assembly before said member engages said barrel to provide an outlet for any excess plastic material during tightening of said nut means.

2,458,122
ICE CLEAT UNIT FOR ENGAGEMENT ON SHOES
Esper L. Walker, Decatur, Tex.
Application May 3, 1948, Serial No. 24,842
4 Claims. (Cl. 36—62)

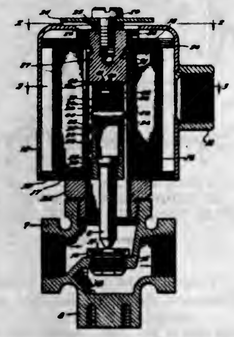


1. An ice cleat unit for engagement on a shoe comprising a primary strap having a hook at one end thereof for engaging the forward edge of the shoe heel, transverse straps secured to the said primary strap, depending cleats at the ends of the said transverse straps, a vertical support at the end of the said primary strap opposite the said hook, and a spring clevis secured to the said vertical support for engaging the heel portion of a shoe.

2,458,123
SOLENOID ACTUATED VALVE
Henry G. Wasserlein, Joliet, Ill., assignor to Phillips Control Corp., Chicago, Ill., a corporation of Illinois
Application July 13, 1946, Serial No. 683,565
5 Claims. (Cl. 175—338)

3. In a solenoid, a plunger, a guide tube for said plunger, and a plunger stop at one end of the tube, said plunger having a tubular end facing said stop, a plug extending into said tubular end and having a head thereon for engaging the stop,

opposed tapered shoulders on said head and in the tubular end of said plunger, a shading ring surrounding the plug and wedged between the



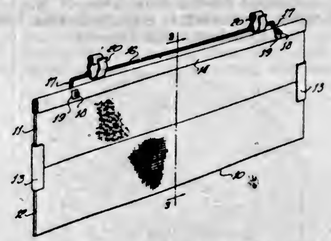
tapered shoulders, and means holding the plug in the tubular end of the plunger and wedging the shading ring between said shoulders.

2,458,124
SYNCHRONOUS FREQUENCY BROADCASTING
Raymond M. Wilmotte, Washington, D. C.
Application November 14, 1944, Serial No. 563,391
11 Claims. (Cl. 250—6)

1. A synchronous frequency broadcasting system including a primary radio broadcasting station having a source of signals, a source of radio frequency oscillations, a modulator for modulating said radio frequency oscillations in response to said signals to provide modulated radio frequency energy, means for radiating said modulated radio frequency energy, a source of further radio frequency oscillations, means responsive to said modulated radio frequency energy for modulating said further radio frequency oscillations with said modulated radio frequency energy to provide doubly modulated radio frequency oscillations, and means for radiating said doubly modulated radio frequency oscillations.

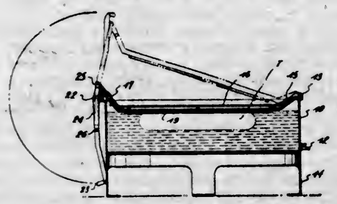
2,458,125
AUTO GLARE SHIELD
James Samuel Winkler, Los Angeles, Calif., assignor to Max Shayne, Los Angeles, Calif.
Application July 10, 1947, Serial No. 759,939
2 Claims. (Cl. 296—97)

1. A glare shield in two transparent and parallel sections of different color secured together at their ends, the upper of said sections having a mounting strip affixed to its upper edge, a rod parallel with said mounting strip whose ends are formed to provide projections below and at right angles thereto and entering apertures in and adjacent the ends of said mounting strip, clips frictionally embracing the projections of said rod and holding said mounting strip thereon and clamping means in spaced relationship on said



rod for attaching said shield to the visor of an automobile.

2,458,126
TIRE TUBE TESTER
Willard Abner, Burbank, Calif.
Application January 26, 1946, Serial No. 643,655
4 Claims. (Cl. 73—49)

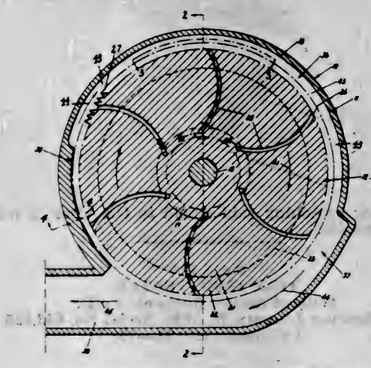


1. A tire tube tester comprising a tank, a cover hingedly mounted thereon, a pair of levers pivotally mounted upon the tank diametrically opposite the hinges for the cover, a handle connecting the levers and links connecting the cover to the levers intermediate their ends.

2,458,127
CONVERTIBLE VEHICLE
Charles R. Ahrens, Glendale, Calif.
Application February 25, 1947, Serial No. 730,696
3 Claims. (Cl. 280—7.10)

1. In a vehicle having a saddle-supporting frame, a wheel rotatably mounted at the front end of said frame and a fork formed of tubular legs at the rear end thereof, an interchangeable rear wheel connection comprising an axle, a pair of spaced wheels rotatable on said axle, a pair of lugs, each lug having a projecting post received by a leg, a plate secured to the axle and having openings through which the lugs project, each leg and post being provided with transversely disposed and alined passages and a pin inserted through the alined passages in a post and associated leg for connecting the posts to the respective legs.

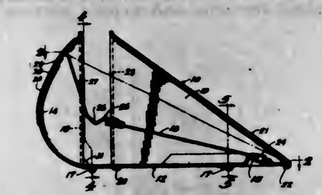
2,458,128
ROTARY ENGINE
Eugene Alterio, New York, N. Y.
Application December 1, 1944, Serial No. 566,100
4 Claims. (Cl. 253—79)



1. In a rotary engine, having a fluid operating medium, like steam, a cylindrical housing with flat end walls, a shaft journalled in said end walls in a substantially fluid tight manner, a disk shaped rotor secured on said shaft, its side walls being close to the flat end surfaces of the housing to prevent the escape of the fluid medium therebetween, and a fluid inlet provided through the front flat end wall of said housing, the combination, of a ring shaped fluid receiving channel provided in the side of the rotor, facing, and open towards, said fluid inlet and in registering relation therewith, and a plurality of curved fluid exit operating channels in said rotor from said receiving channel to the circumference of the rotor, a first portion of the cylindrical outer wall of the housing, towards which the exits of all of said operating channels are directed, being slidably but sealingly closed on the outer circumference of the rotor to impede the exit of the working fluid in that direction, the rest of said cylindrical wall being set wider apart from said rotor to permit the impact of the increasing fluid thereon for a reaction therefrom on the rotor, and to ease and accelerate the exit of the fluid in a direction away from said closed portion, the last portion of said space between the rotor and the cylindrical wall being made the widest and having a fluid exit communicating therewith, teeth around the outer marginal portion of the rotor, said teeth being triangular in cross section and having generally radial flat front surfaces facing towards said closed portion of the housing and rearwardly and inwardly inclined rear surfaces.

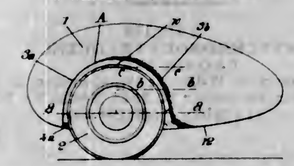
2,458,129
LETTER SCALE AND THE LIKE
Walter R. Amstutz, Forest Park, Ill., assignor to Metal Specialties Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 13, 1947, Serial No. 721,813
4 Claims. (Cl. 265—68)

1. In a letter scale device, a hollow casing having a forwardly-curved face provided with a vertical slot, a scale sheet secured to said arcuate face and having a slot registering with the slot of said casing, said casing providing also a transverse slot open at its top and adjacent the front of said casing, a spring having its rear end anchored to said casing and a forward free end adjacent said transverse slot, said spring being adapted to receive letters placed into said vertical



slot, and an indicator arm associated with said spring and extending forwardly into alignment with said slot in the front wall of said casing.

2,458,130
FAIRING FOR AUTOMOBILE VEHICLES
Jean Edouard Andreau, Daurat, near Leognan, France
Application April 16, 1945, Serial No. 588,480
In France March 30, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 30, 1962
5 Claims. (Cl. 280—152)

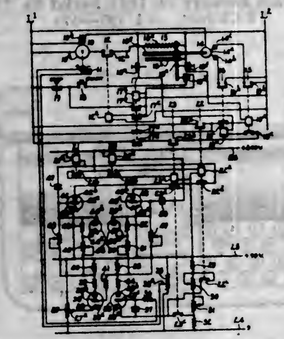


3. For use on a vehicle, a wheel fairing constituted by a streamlined structure provided with a recess adapted to accommodate a portion of a wheel of said vehicle, this recess opening to the outside through a bottom aperture and a lateral aperture in the outer wall of said structure, the edges of said apertures forming sharp ridges along the portions thereof that constitute trailing edges with respect to the relative wind resulting from the movement of said vehicle, and convex rounded surfaces along the portions thereof that constitute leading edges.

2,458,131
CONTROL OF ENERGY SUPPLIED TO TRANSLATING DEVICES
Mark Audier, Milwaukee, and William H. Elliot, Shorewood, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 20, 1945, Serial No. 623,590
8 Claims. (Cl. 318—327)

1. In a controller, in combination, a translating device subject to varying operating conditions, a source of electrical energy, means to produce a voltage varying in accordance with an operating characteristic of said device, a first and a second electron tube each having a cathode, an anode and a control electrode and having their main discharge paths connected in series with each other and to said source, means to impress an effect of said voltage upon the control electrode of said first tube, an adjustable resistor between the anode of said first and said control electrode of said second tube tending to impress upon said control electrode a potential which varies with the current of said first tube, an adjustable unidirectional conducting path connected in parallel with said adjustable resistor for modifying the

effect of the latter in response to the rate of and the direction of change of said potential, and electroresponsive means connected to said device and



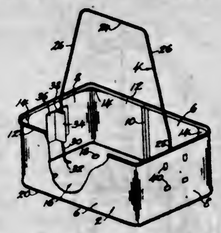
responsive to the current of said second tube to afford control of said device in accordance with said variations of said operating characteristic.

2,458,132
SCHMIDT IMAGE FORMER WITH SPHERICAL ABERRATION CORRECTOR
James G. Baker, Waban, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application June 19, 1945, Serial No. 600,256
9 Claims. (Cl. 88—57)

1. An optical system for use in cameras, projectors, and other instruments which comprises, as essential elements, a spherical reflector, a spherical shell substantially concentric with the reflector and lying on one side of the center of curvature thereof, the shell adding such an amount of negative spherical aberration to the system as to effect a substantial reduction in the positive spherical aberration produced by the reflector, and an aspheric correcting plate located substantially at the center of curvature of the reflector and figured to correct for the residual spherical aberration of the combination of the reflector and shell.

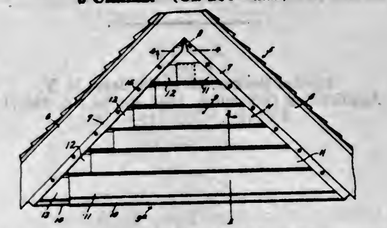
2,458,133
BOTTLE CARRIER
Walter A. Behrens, Jamaica, N. Y., assignor to The Canister Company, Inc., Phillipsburg, N. J., a corporation of New Jersey
Application January 2, 1948, Serial No. 217
1 Claim. (Cl. 224—45)

In a bottle carrier having side and end walls and a bottom secured thereto, a handle member extending between said end walls, said handle member being formed from a length of resilient wire and having a central gripping portion with legs extending downwardly therefrom, said legs having portions inclined outwardly from said central portion, sections formed at an angle to said outwardly inclined portions and extending generally parallel to said end walls, and other portions inwardly inclined to said parallel sections having lugs formed on the extremities thereof at substantially right angles thereto, and means for receiving and retaining said handle secured to said end walls comprising sheets of metal having central grooves therein cooperating with said end walls to form conduits for receiving the legs of



said handle member, said grooves being of sufficient width to receive the above mentioned lugs when the resilient handle member is expanded outwardly and said lugs adapted to engage the lower edges of said grooves when said handle means is in normal unexpanded position in said carrier.

2,458,134
ADJUSTABLE VENTILATOR
Clark D. Belden, Minneapolis, Minn.
Application May 4, 1946, Serial No. 667,312
3 Claims. (Cl. 160—223)

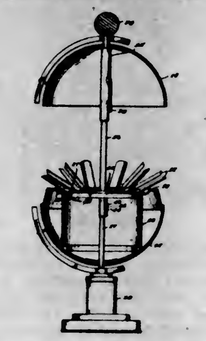


1. A ventilator of the class described comprising an inverted V-frame made up of a pair of complemental channel-shaped members, corresponding ends of said members at one end of said V-frame being hingedly connected together, a plurality of ventilating louvers assembled between said frame members, said louvers being individually extensible and contractible and hingedly connected at their outer ends to the frame members.

2,458,135
CIGARETTE HUMIDOR
Emmett C. Bentley and Wyllis L. Reese, Abilene, Tex.
Application July 1, 1947, Serial No. 758,260
1 Claim. (Cl. 312—78)

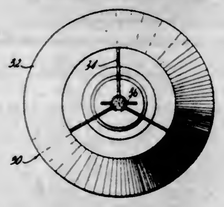
1. A cigarette humidor, comprising a container open at the top, a rod fixed to said container and extending axially upwardly thereof, a sleeve telescopically slidable upwardly and downwardly on said rod, a cigarette carriage fixed to said sleeve and movable therewith to and from an upwardly extended cigarette dispensing position and a retracted cigarette storing position inwardly of said container, a spring loaded latch carried by one of said sleeves and rod to limit telescopic movement of said sleeve in an upward direction, a second sleeve telescopically slidable upwardly and

downwardly on said first-mentioned sleeve, a closure for said container fixed to said second sleeve and movable therewith to and from open and closed positions relative to said container, a second spring loaded latch carried by one of said sleeves to limit movement of said second sleeve in an upward container opening direction, said



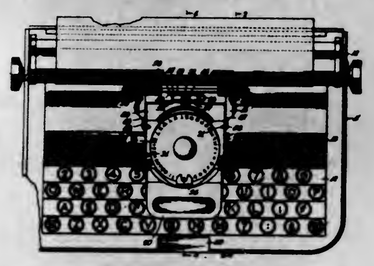
latches being releasable upon downward pressure on said cover when the same is in said open position, and said first-named latch being formed to release prior to said second latch whereby said carriage is retracted into said container prior to downward movement of said second sleeve relative to said first mentioned sleeve.

2,458,136
LAMP
Kornel Berger, Kew Gardens, N. Y.
Application October 2, 1946, Serial No. 700,713
1 Claim. (Cl. 240—148)



In combination in a lamp, an upwardly facing light socket adapted to support an electric light bulb with the axis of symmetry thereof vertically arranged, a lamp harp extending vertically from below said socket to a point substantially above said socket, a threaded post, means to secure said post to the top of said lamp harp, a washer having a central aperture with a radial slot extending from said aperture to the outer circumference of the washer, said slot being wider than the diameter of the post and said post being higher than the washer, a finial screwed on said post and adapted to be turned down to frictionally engage said washer, said washer being detachable from said post by slightly backing off the finial without removing the same thereby to permit the slotted portion of the washer to be slid past the post, a lamp shade including a frame having a decorative cover, said frame comprising a set of spider arms extending outwardly from said washer whereby the shade is secured to the post by and is removable from the post with said washer.

2,458,137
TOY TYPEWRITER
Samuel I. Berger, Newark, N. J.
Application January 24, 1947, Serial No. 724,643
9 Claims. (Cl. 197—47)

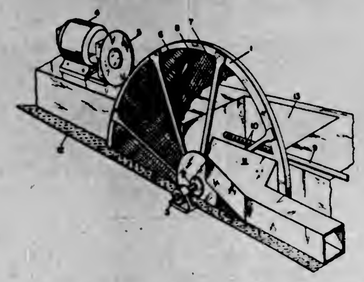


1. In a typewriting mechanism, the combination of a base, a platen structure at the rear part thereof, a carriage pivoted on said base, a type wheel having a substantially upright axle bearing in said carriage, a rotatable dial knob affixed to the upper end of said axle, a ratchet wheel on said axle coaxial and rigid with said type wheel and said knob, a spring pressed pawl lever pivoted to said carriage and coacting with said ratchet wheel for resiliently retaining the type wheel in set position, and a pointer on said carriage coacting with said knob to indicate the setting thereof.

2,458,138
ELECTROMAGNETIC RECEPTACLE FOR LAMPS
Benjamin Waite Blanchard, Jr., Pine Hill, N. J.
Application June 25, 1945, Serial No. 601,362
2 Claims. (Cl. 240—52.15)

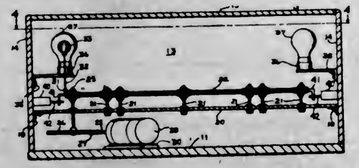
1. In an electro-magnetic receptacle for lamps, a casing fashioned to provide a body of one diameter and a waist of smaller diameter with an annular shoulder between them and a neck of still smaller diameter with an annular ledge between said waist and neck, an inside unit comprising an electro-magnet including an enameled wire coil and a hanger and a pair of spring contacts insulated from each other and electrically connected to opposite ends of the coil of the electro-magnet, means engaging the ledge of the casing and the hanger of the inside unit to draw the latter against the shoulder of the casing and hold said inside unit within the casing so that the spring contacts are in alignment with the neck to permit the terminal contacts of a lamp to engage said spring contacts when the lamp is mounted in the neck, and conductors to supply current directly to the spring contacts and through them to the coil of the electro-magnet.

2,458,139
FILTER OR STRAINER FOR LIQUIDS
Percival Lionel Beecher, Troon, Scotland, assignor to Glenfield and Kennedy Limited, Kilmarnock, Scotland, a corporation of Great Britain and Northern Ireland
Application October 11, 1947, Serial No. 779,274
In Great Britain October 15, 1946
3 Claims. (Cl. 210—169)



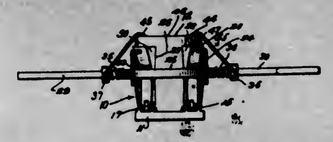
1. A filtering medium comprising an inner woven wire fabric sheet having interstices of microscopic size with the inherent property of preventing the passage of a liquid except when immersed therein, and an outer woven wire fabric sheet at each side of said inner sheet, the interstices of the outer sheet being relatively larger than the interstices of the inner sheet but sufficiently small that surface tension normally will maintain liquid in them, the outer sheet being sufficiently close to the inner sheet that when the outer sheets are wetted, surface tension of the wetting liquid will cause a body of the liquid to be maintained between the outer sheets so that the inner sheet will be maintained immersed in said body of liquid, whereby the microscopic interstices of the inner sheet are in fluid communication with the body of liquid on each side of the inner sheet and surface tension of the liquid will be ineffective to prevent passage of a cleaning liquid through said sheets.

2,458,140
EYE EXERCISER
Henry Breitbarth, Chicago, Ill.
Application November 21, 1946, Serial No. 711,407
3 Claims. (Cl. 128—76.5)



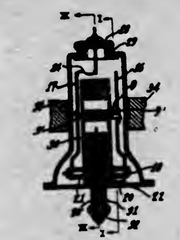
1. An eye exercising device comprising a target, means for moving said target along an irregular path, said path comprising a medial portion of substantially triangular formation in plan view, with the apex of the triangular path nearest the position of the user of the device, means for controlling the movement of said target moving means, illuminating means at certain points of travel of said target along said path, and means for momentarily deenergizing said illuminating means as said target is moved by said target moving means past said illuminating means.

2,458,141
CRUCIBLE HANDLING DEVICE
Frank D. Bromley, Portsmouth, R. I.
Application December 7, 1945, Serial No. 633,401
2 Claims. (Cl. 22—82)



1. A handling device for containers comprising a base for a container, arms hinged to the base for pivotal movement relative to the containers on said base, a hoop surrounding said arms for retaining said arms in a raised position against the container, handles carried by said hoop for raising the same, collars carried by said handles, hold back clamps pivoted on said collars for engaging the upper edge of the container on said base, and resilient means between said hoop and said collars for normally holding said collars outwardly from said hoop.

2,458,142
ELECTRODE ASSEMBLY FOR ELECTRON DISCHARGE DEVICES
Barremore B. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 8, 1944, Serial No. 525,516
9 Claims. (Cl. 250—27.5)



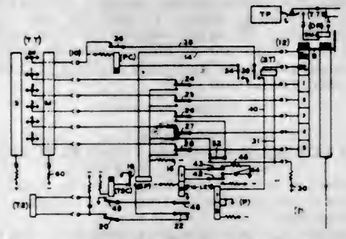
1. An electron discharge device having an envelope including a header member, an electrode assembly mounted on said header member including an elongated anode block mounted in a direction normal to said header member and having anode elements surrounding a central space, a cathode for supplying electrons within said space, and a sheet metal member of conducting non-magnetic material extending parallel to one surface of said anode block and insulatingly supported on said anode block and supporting said cathode.

2,458,143
FIRE RESISTANT ASPHALT ROOFING
Frank B. Burns, Chicago, Ill., Millard S. Larrison, Frankford, Pa., and Morton C. Higgs, North Riverside, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 7, 1943, Serial No. 497,870
2 Claims. (Cl. 117—30)

1. An improved, fire-resistant, asphalt roof covering comprising an asphalt-saturated felt

base containing between from about 30 percent to about 55 percent of inorganic fibers and from about 45 percent to about 70 percent of organic fibers, said felt base having applied thereto a coating composition which comprises a vehicle of bituminous thermoplastic material having dispersed therein comminuted unexpanded vermiculite in sufficient quantity to decrease the flowability of said coating composition when the latter is exposed to flame conditions, and mineral granules embedded in said coating.

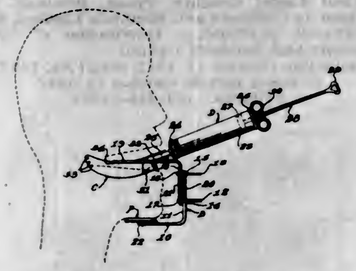
2,458,144
TELEGRAPH CODE CONVERTER
George L. Bush, Flushing, N. Y., assignor to The Teleregister Corporation, New York, N. Y., a corporation of Delaware
Application April 19, 1946, Serial No. 663,367
7 Claims. (Cl. 178—3)



1. In a printing telegraph system having an automatic transmitter and a distributor with a segmented ring having a start segment, a stop segment and intervening code segments for transmitting start-stop permutation code signals to a receiver, and in which the code representation controlling the transmitter differs in certain characters from the normal operating code of the receiver; means for converting the code representations of certain characters involving a change in case, comprising a case-shift relay, circuit means controlled by said relay for marking said code segments of said transmitting ring to interpolate case-shift signals whenever the next character to be transmitted involves a change in case, means including another relay controlled jointly by said automatic transmitter and the start segment of said transmitting ring for operating said case-shift relay, and means controlled jointly by one of said relays and said stop segment of the transmitting ring for stopping said transmitter during transmission by said distributor of a case-shift signal.

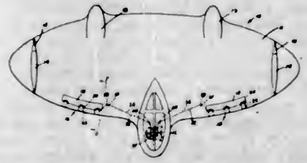
2,458,145
IMPRESSION TAKING MEANS
Earl G. Coffey, Sioux City, Iowa
Original application February 18, 1946, Serial No. 648,220. Divided and this application February 21, 1946, Serial No. 649,200
2 Claims. (Cl. 32—17)

1. In an impression taking device, means for securing an impression tray in the mouth and yieldingly pressing said tray against the gums, said means including a spring clamp comprising upper and lower jaws, each having legs extended therefrom substantially at a right angle thereto, the legs of each jaw extending toward and being in overlapped relation to those of the other jaw, a finger-piece attached to the legs of each jaw and having the legs of the other jaw slidable therethrough, means to limit separation of the finger-pieces and movement of the jaws toward each other, and springs interposed between said



finger-pieces and urging the finger-pieces apart and the jaws toward each other.

2,458,146
CONTROL MEANS FOR AIRCRAFT
Edward D. Colburn, South Glens Falls, N. Y.
Application January 22, 1946, Serial No. 642,653
3 Claims. (Cl. 244—83)

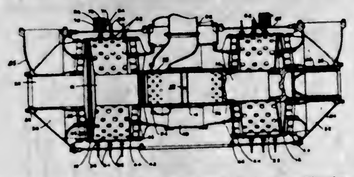


1. In an aircraft having independent upper and lower elevator members, means for independently moving each member into and out of an operative position, comprising a rigid support, a control column, means pivotally connecting said column intermediate its ends to said support, a triangular member, means pivotally connecting one corner of said triangular member to one end of said column, a pair of elongated flexible connectors, each being connected to one of the remaining corners of said triangular member and adapted to operatively connect the same to one of said members, means comprising separate slidable connections connecting said last named corners of said triangular member to said support whereby tilting said column in one direction is adapted to actuate one elevator member and tilting said column in an opposite direction is adapted to activate said other member.

2,458,147
CONTROL FOR FREE-PISTON UNITS
Kenneth C. Cooper, Portland, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 15, 1944, Serial No. 531,301
3 Claims. (Cl. 230—56)

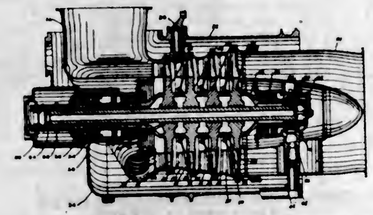
1. A free-piston engine and compressor unit including an engine cylinder and piston, said cylinder having scavenge ports therein adapted to be uncovered by the piston on each stroke for the admission of air to the cylinder, a compressor cylinder and piston, said compressor cylinder having inlet and discharge valves, said pistons being connected together and having a variable length stroke, the length of stroke being a function of the pressures in said cylinders and the work done in the compressor cylinder, and means

for maintaining a length of stroke such that the engine piston will move far enough to uncover the scavenge ports on each stroke, said means including a number of vents axially spaced from each other in the wall of the compressor cylinder, each vent including a number of radially extend-



ing openings extending through the cylinder wall and arranged circumferentially of the cylinder and means for closing all of the openings for each vent simultaneously thereby providing for adjustment of the work done on each stroke in the event of pressure changes in the compressor intake pressure.

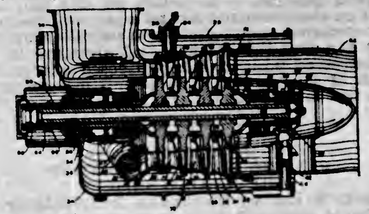
2,458,148
ROTOR CONSTRUCTION FOR TURBINES
Val Cronstedt, Marlboro, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,880
9 Claims. (Cl. 253—39)



1. A rotor construction including a number of discs, each having a central opening, said discs having cylindrical flanges on opposite sides engaging with flanges on adjacent discs and interengaging axially extending teeth on said flanges to align the discs, said flanges being spaced from the central openings in the discs, and a through bolt holding said discs together with said interengaging teeth in engagement said through bolt being smaller in diameter than the central openings in the discs and extending therethrough.

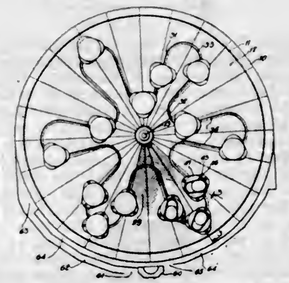
2,458,149
ROTOR CONSTRUCTION FOR TURBINES
Val Cronstedt, Marlboro, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,881
5 Claims. (Cl. 253—39)

1. A turbine rotor construction including a number of discs each having a central opening, each of said discs having a row of blades on its periphery extending radially therefrom, said discs having annular flanges on opposite sides thereof concentric to and spaced from the opening, and interengaging teeth on the ends of the flanges, said teeth extending axially and having opposite side surfaces converging in an axial direction, the converging surfaces being curved betweeen inner and outer ends on the same radius to provide contact between the teeth substantially over the entire length of the side surfaces to prevent relative radial motion between adjoining discs, and means for holding said discs



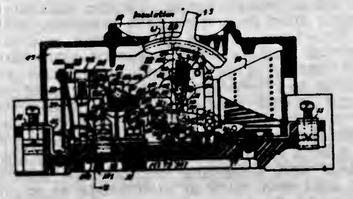
together with said teeth in interengagement, said means having contact with said discs only through the teeth on the flanges on the outer sides of the end discs.

2,458,150
ROUNDABOUT
John D'Errico, Brooklyn, N. Y.
Application May 20, 1947, Serial No. 749,217
11 Claims. (Cl. 272—51)



1. An amusement device comprising an inclined rotating platform; an endless sinuous track rail on said rotating platform comprising inner and outer loops arranged around the axis of the rotating platform; carriages on said rail; and cars on each carriage.

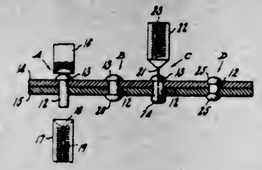
2,458,151
CIRCUIT BREAKER
Hiller D. Dorfman, Forest Hills, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application June 24, 1941, Serial No. 399,457, now Patent No. 2,419,125, dated April 15, 1947. Divided and this application May 18, 1944, Serial No. 536,138
11 Claims. (Cl. 200—88)



1. A trip device for a circuit breaker comprising a trip bar movable from a normal position in

one direction to trip the breaker and in another direction from said normal position to reset the trip device, means biasing said trip bar to said normal position, a projection on said trip bar, and an electromagnet having a pivoted armature for engaging the projection to operate said trip bar and trip the breaker, said armature in its unattracted position being disposed out of the path of said projection to permit movement of the trip bar to reset the trip device.

2,458,152
PLASTIC RIVET AND METHOD OF MAKING SAME
Everett A. Eakins, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 3, 1945, Serial No. 586,331
3 Claims. (Cl. 18—59)

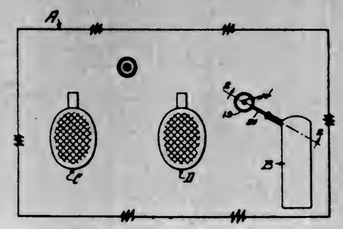


2. The method of riveting parts together which consists in providing a normally rigid rivet formed of a mixture of rubber and resin the latter being thermoplastic and compatible with rubber and rigid at room temperature and the rubber being vulcanized and elastic and under tension longitudinally of the rivet and held in this condition by the rigid condition of the resin so that the rivet has a pronounced elastic memory, inserting the rivet through confining holes in said parts to protrude therefrom, and then heating the rivet to cause its protruding end to expand laterally as the resin softens to form a rivet head and contract longitudinally to draw said head firmly against one of said parts.

2,458,153
SAFETY DEVICE FOR ELECTRIC PLUGS
Charles Festge, Milwaukee, Wis.
Application June 7, 1946, Serial No. 674,946
4 Claims. (Cl. 173—361)

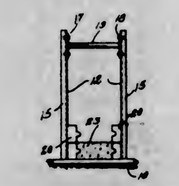
2. An accessory for an electric current conducting plug having contact members projecting therefrom adapted for insertion in a slotted receiving member, said accessory comprising, a body having a permanent pre-formed recess adapted to receive the electric plug, said recess having an apertured bottom wall through which the contact members of said plug are adapted to protrude, and a flexible skirt projecting from the side of said body adjacent the lower portion thereof and extending beyond said apertured wall, said skirt being of such length as to terminate short of the free ends of said contact members when the accessory is applied to said plug.

2,458,154
BACKUP LIGHT SWITCH
Adam E. Fernelt, Chico, Calif.
Application May 21, 1945, Serial No. 595,049
1 Claim. (Cl. 200—59)



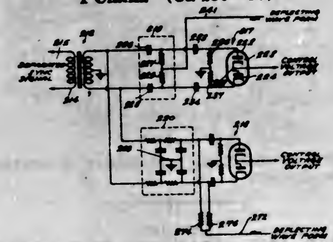
In a rear light switch actuator for simultaneously actuating a back-up light and the accelerator pedal of motor vehicles having a floor board with a light switch suspended therefrom and an accelerator pedal spaced from the upper surface thereof, the combination, which comprises, a plunger having a button on the upper end slidably mounted in said floor board and with the lower end in operative engagement with the switch, said accelerator pedal having a horizontally disposed arm extending from one side with an upwardly extending end having a threaded socket therein, a horizontally disposed bar with an open ring at one end freely positioned around the said plunger and having a threaded downwardly extending end threaded in the threaded socket of the arm of the pedal, and a lock nut securing the bar in the socket of the arm.

2,458,155
MOLD FOR MOLDING CONCRETE STRUCTURAL UNITS
James B. Fraser, Fort Lauderdale, Fla.
Application September 13, 1945, Serial No. 616,098
3 Claims. (Cl. 25—121)



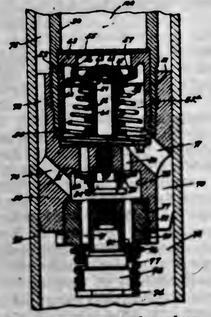
1. A structure of the kind described comprising a base sill, a pair of upright posts having a plurality of apertures therein and having separable interlocking engagement with the base sill, a vertically adjustable cross strut secured to the posts and located entirely between the same, shaper pieces having tongue and groove work contacting surfaces and studs opposite said surfaces for protrusion through said apertures, said shaper pieces held by said posts between the same for concrete molding thereby, fasteners detachably connecting said cross strut to said posts, and fasteners detachably connecting said studs to said posts in molding disposition to each other.

2,458,156
AUTOMATIC FREQUENCY CONTROL SYSTEM
Gordon L. Fredendall, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application July 29, 1944, Serial No. 547,230
1 Claim. (Cl. 250—36)



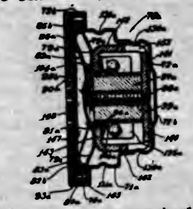
An automatic frequency control system comprising a pair of peak rectifiers, a source of signals of sawtooth wave form, a source of separated pulses providing high and low frequency pulses, a transformer connected to said source of separated pulses, means for applying sawtooth wave form signals to said rectifiers with like polarity at each rectifier, means including a high pass filter for applying pulses of high frequency to said rectifiers from said transformer with opposite polarity at each rectifier, means for utilizing the output of said pair of peak rectifiers for controlling said means for applying sawtooth wave form signals, a second pair of peak rectifiers, means for applying low frequency sawtooth wave form signals to said second pair of peak rectifiers with like polarity at each rectifier, means including a low pass filter for applying low frequency pulse signals to said second pair of rectifiers from said transformer with opposite polarity at each rectifier, and means for utilizing the output of said second pair of rectifiers for controlling said means for applying low frequency sawtooth wave form signals.

2,458,157
SHOCK ABSORBER
Mearick Funkhouser, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 3, 1946, Serial No. 659,335
10 Claims. (Cl. 188—88)



1. An hydraulic shock absorber comprising a fluid containing cylinder having a closed and an open end and a bearing bushing in its open end; a piston in the cylinder having fluid passages and forming upper and lower working chambers in the cylinder; a tube slidably supported in the bearing bushing and having its one end attached to the piston; a valve cage in the tube and held between the tube and piston said valve-cage providing a fluid receiving chamber in the piston and having an annular valve-seat extending into the fluid receiving chamber; a valve yieldably urged against the annular valve-seat and movable to establish a fluid flow from the tube through the fluid receiving chamber and into the lower working chamber; said valve having a tubular extension; a valve slidably supported in the tubular extension of the first mentioned valve and movable relatively thereto to establish a fluid flow from the lower working chamber through the fluid receiving chamber and into the tube; a valve yieldably urged against the piston and movable relative thereto to open certain piston passages for establishing a fluid flow from the lower working chamber through the fluid receiving chamber into the upper working chamber; and another valve normally urged to close certain fluid passages in the piston and operable by fluid pressure from the upper working chamber to establish a flow into the lower working chamber.

2,458,158
MAGNETICALLY SHIELDED ELECTRO-DYNAMIC SOUND REPRODUCER
Webster E. Gilman, Maywood, Ill., assignor to Permoflux Corporation, Chicago, Ill., a corporation of Illinois
Application November 25, 1942, Serial No. 466,903
5 Claims. (Cl. 179—115.5)

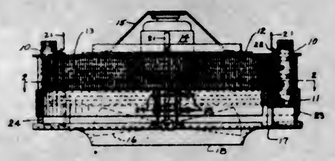


1. In a transducer, means including a permanent magnet and an outer pole piece of magnetically permeable material arranged to cooperate to define an annular magnetic gap adjacent to one end of the magnet, a diaphragm having a voice coil structure disposed in said magnetic gap, a cup-like housing formed from magnetically permeable material and disposed about said magnet in such a relation that said annular magnetic gap is located inwardly of the open end of said cup-like housing, said pole piece being secured to said cup-like housing to afford a magnetic path between the pole piece and the housing, and means completing a magnetic circuit from the other end of said magnet to said outer pole piece to enable at least a portion of the magnetic flux to flow through said housing to said pole piece.

2,458,159
HEAT EXCHANGER
George R. Goldthwaite, North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application November 26, 1946, Serial No. 712,355
5 Claims. (Cl. 257—127)

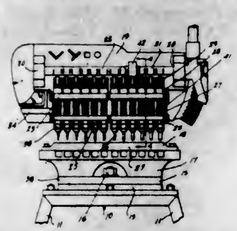
1. In a heat exchanger having a propeller fan and heat exchange tubes extending in a circular

path centrally around the axis of the fan on the air inlet side thereof, said tubes having radially extending fins thereon the outer ends of which lie on the surface of a cylinder coaxial with said tubes, said exchanger having a wall spaced from said fins and providing a circumferentially extending inlet passage into the inlet



of said fan, said fan being arranged to draw air between said fins and through said passage, the combination of a cylindrical damper constricted on said outer ends of said fins and slidable thereon across said passage, and means for varying the diameter of said damper for varying its contact pressure against said outer ends of said fins.

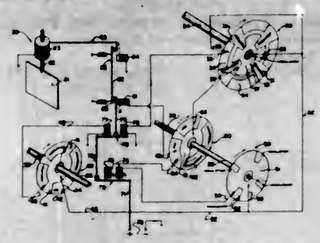
2,458,160
PUNCH MACHINE
Marcellin L. Grappe, Fairlawn, N. J.
Application October 15, 1946, Serial No. 703,410
8 Claims. (Cl. 164—96)



1. A machine of the character described comprising a frame having a bed, an upstanding head on said frame above the bed, a plunger rack comprising spaced pairs of stationary parallel bars above said head, plungers carried by said rack, a shaft rotatably mounted on said head above the plungers, an actuating eccentric slidably keyed to said shaft, means for rotating said shaft, said shaft having spaced aligned slotted apertures therein, and means carried by said cam selectively engageable in said slotted apertures for positioning said eccentric in operative relation to one of said plungers.

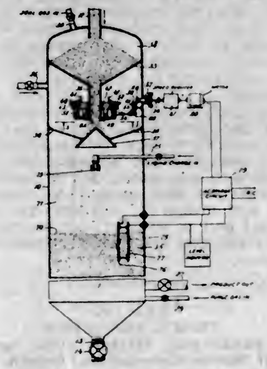
2,458,161
SYSTEM FOR PREVENTING FILM FIRE IN MOTION-PICTURE PROJECTORS
Francis B. Gross, Sr., New Orleans, La.
Application February 17, 1948, Serial No. 8,886
5 Claims. (Cl. 88—17)

1. In a motion picture projector having a solenoid-operated change-over dowser, a control circuit for preventing film fire comprising a rotary switch driven by the idling film sprocket of the projector, a second rotary switch driven by a constant speed film sprocket of the projector, a source of electricity for energizing the solenoid-operated dowser, and relay means responsive to the relative rotation of said rotary switches and



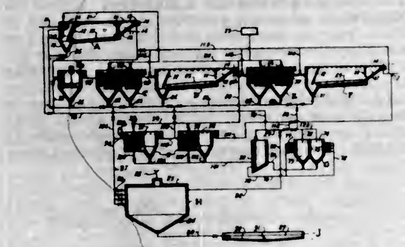
operative to interrupt said source of electricity for the dowser.

2,458,162
METHOD AND APPARATUS FOR CONVERSION OF LIQUID HYDROCARBONS WITH A MOVING CATALYST
William A. Hagerbaumer, Westfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 14, 1946, Serial No. 709,874
11 Claims. (Cl. 196—52)



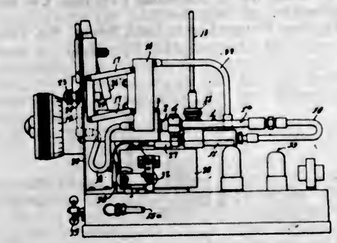
1. A method for conversion of high boiling liquid hydrocarbons to lower boiling hydrocarbons in the presence of a moving contact material which method comprises: introducing particle-form contact material at a suitable temperature for said hydrocarbon conversion into the upper section of a confined, elongated, substantially vertical conversion zone as a substantially compact supply stream of solid particles, passing the contact material from said stream downwardly through an upper section of said conversion zone as a shower of dispersed freely falling particles onto the surface of a substantially compact bed of said contact material therebelow within said conversion zone, withdrawing used contact material from the bottom of said bed, controlling the surface level of said bed substantially constant by adjusting the rate of flow of contact material from said compact supply stream, introducing a spray of high boiling liquid hydrocarbon charge into said shower of particles in said upper section of said conversion zone to contact said particles before reaching the surface of said bed, and withdrawing gaseous hydrocarbon products from the lower section of said bed substantially separately of said contact material.

2,458,163
SEWAGE TREATING PROCESS
Clyde C. Hays, Waco, Tex.
Application April 6, 1944, Serial No. 529,733
3 Claims. (Cl. 210—2)



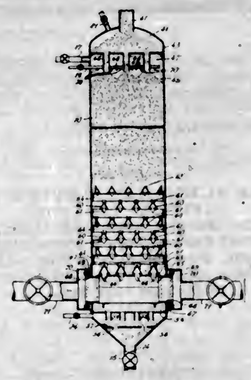
3. A sewage treating process which includes, producing a biologically active sludge from separated solids coagulated and precipitated from the sewage by passing said sewage successively through a plurality of settling and contact chambers, removing the sludge from each chamber and concentrating the same in a reconcentration unit, reducing the concentrated sludge to gases, solids and liquids in a septic digestion unit, and admixing alkaline material with the liquid from the septic digestion unit and contacting said liquid with biological organisms activated by artificial aeration so as to render said liquid aerobic whereby the same may be returned to the sewage without detrimental effect.

2,458,164
GRAVITOMETER
Donald C. Hill, Los Angeles, and William A. McGlashen, Huntington Park, Calif.
Application October 25, 1943, Serial No. 507,500
11 Claims. (Cl. 73—24)



7. In an apparatus for determining the density of the gas, a whistle, means for conducting the gas through the whistle, a constant frequency resonator positioned parallel with the whistle in the range of sound waves emitted from said whistle, means for varying the effective length of the whistle to thereby produce a sound wave corresponding in wave length to that of the constant frequency resonator, and means for measuring the amplitude of vibration set up in the constant frequency resonator by the sound wave produced by the whistle to determine when the whistle length has been adjusted to produce the sound wave having a wave length corresponding with that of the constant frequency resonator.

2,458,165
METHOD AND APPARATUS FOR CONVERSION OF FLUID HYDROCARBONS
Herbert K. Holm, Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 18, 1947, Serial No. 735,326
14 Claims. (Cl. 196—52)

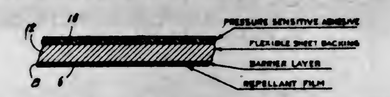


1. A method for conversion of fluid hydrocarbons in the presence of a particle-form contact mass material which comprises: passing said particle-form contact material at suitable temperatures for said conversion downwardly through a confined conversion zone as a substantially compact column of downwardly gravitating solid particles, introducing a fluid hydrocarbon charge into said conversion zone and passing it downwardly within said column to effect conversion of said hydrocarbon charge to gaseous hydrocarbon products, baffling the solid particle flow in the lower portion of said column to form a continuous tortuous solid-free passage for gas-flow through a vertical section of said column, said passage being in free gas-flow communication with said column at a plurality of gas-solid disengaging surfaces at a series of vertical levels within the lower section of said column, collecting said gaseous hydrocarbon products from said column into said passage for gas-flow at all of said disengaging surfaces at said series of vertical levels, causing the gas collected into said passage at any level to flow downwardly to join the gas streams collected at lower levels, subjecting said gas flowing downwardly in said passage for gas-flow to a stepwise decrease in flow restriction as it moves downwardly through said series of vertical levels so as to provide substantially uniform disengagement of gas from said column at all of said disengaging surfaces at said series of vertical levels, and withdrawing the combined stream of gas from all of said disengaging surfaces from said conversion zone.

2,458,166
COMPOSITE PRESSURE-SENSITIVE ADHESIVE SHEET MATERIAL
Henry N. Homeyer, Jr., Elmhurst, Ill., assignor to The Kendall Company, Boston, Mass., a corporation of Massachusetts
Application June 27, 1944, Serial No. 542,299
8 Claims. (Cl. 117—68.5)

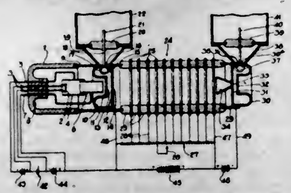
1. A pressure-sensitive adhesive sheet material comprising a flexible sheet backing, a layer of an

exposed pressure-sensitive rubber adhesive adherent to one surface of said backing, a flexible barrier layer comprising a butadiene-acrylic nitrile co-polymer elastomer adherent to the other surface of the backing, and a thin flexible film



of a material repellent to said pressure-sensitive rubber adhesive layer selected from the group consisting of cellulose esters, cellulose ethers, polyvinyl esters, and polyvinyl butyral, adherently superposed on said barrier layer.

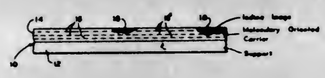
2,458,167
ELECTRICAL DISCHARGE DEVICE HAVING CAVITY RESONATORS
Caperton B. Horsley, Stamford, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application April 27, 1944, Serial No. 532,946
10 Claims. (Cl. 315—8)



1. An electrical discharge device adapted for ultra-high frequency use, which comprises an evacuated envelope, means within the envelope for producing a beam of charged particles traveling along a rectilinear path within the envelope at relatively low velocity, means within the envelope defining a cavity resonator having aligned openings through which the particles pass, means for maintaining an oscillating field within the resonator which acts on the beam to cause the particles to be formed into groups, means for subjecting the particles traveling through the envelope beyond the resonator to a constant rectilinear field to accelerate the groups of particles without substantially changing their direction, said means including a plurality of electrodes distributed within the envelope along the path of the particles, potential-source means connected to said electrodes for maintaining them at increasing potentials with respect to the beam-producing means, and means within the envelope in the path of travel of the particles beyond the group accelerating means for absorbing energy from the accelerated groups, said absorbing means including a cavity resonator having an opening through which the groups pass into the resonator.

2,458,168
PRODUCTION OF LIGHT-POLARIZING IMAGES
Helen P. Husek, Allston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application August 27, 1945, Serial No. 612,876
5 Claims. (Cl. 95—83)

1. A method of forming an iodine image of predetermined density from a silver image which is supported by a hydrophilic carrier, comprising treating the silver image to replace the silver thereof with a mixture of water-insoluble metallic ferrocyanides other than silver and comprising a predetermined quantity of at least one metallic ferrocyanide which may be formed into an oxidizing agent having a sufficient oxidization potential to release a predetermined quantity of iodine from an acid solution of an iodide and at least one other metallic ferrocyanide which is incapable of forming an oxidizing agent possessing the ability to release iodine from an acid solution of an iodide by subjecting said silver image to the action of an alkali ferricyanide and a mixture of metallic salts formed of a predetermined quantity of at least one metallic salt selected from



the class consisting of cupric salts and ferric salts and at least one other metallic salt from the class consisting of zinc salts and cadmium salts and of salts of nickel, uranium, vanadium and cobalt in which the metallic element is in lower valent form, transforming water-insoluble metallic ferrocyanide having a metallic element from said first-named class into the desired oxidizing agent for effecting the release of iodine by subjecting said mixture of water-insoluble metallic ferrocyanides to the action of a base, and reacting said oxidizing agent so formed with said acid iodide solution whereby iodine in accordance with the quantity of oxidizing agent present is released and replaces the oxidizing agent to form an iodine image of desired density.

2,458,169
INFUSION PACKAGE WITH NONTANGLING STRING HANDLE
Hans O. Irmscher, East Hempstead, Long Island, N. Y., assignor to National Urn Bag Co. Inc., a corporation of New York
Application November 6, 1945, Serial No. 626,994
14 Claims. (Cl. 99—77.1)

1. A package completely enclosing an infusion product in a bag formed with a top closure seam having a heat-sealing joint material, an unsealed edge border portion of unbroken length extending from side edge to side edge of said bag and extending beyond said top closure seam a sufficient distance so constructed and arranged to retain a flow of said heat-sealing joint material from passing beyond said border portion during fusion of said joint material when forming said top closure seam, said unsealed edge border portion being free from said heat sealing joint material and serving as means for receiving and temporarily retaining portions of a detachable tag.

2,458,170
CONTINUOUS FAT SPLITTING
Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application October 27, 1944, Serial No. 560,640
19 Claims. (Cl. 260—415)

2. The method of hydrolyzing fats and fatty oils with water to fatty acids and glycerine, with the aid of heat and pressure, which comprises intimately contacting such fatty material with water by countercurrent flow, subjecting the fatty acids resulting therefrom to partial cooling by direct contact and mixing with water whereby the water is heated, applying additional heat to the water while mixed with a portion of said fatty acids, and passing the water thus heated into intimate countercurrent contact with the fatty material undergoing hydrolysis, while maintaining two liquid phases, a fatty phase and an aqueous phase, whereby the fatty material undergoes substantial hydrolysis with the formation of fatty acids and glycerine.

5. In the process of hydrolyzing fats with water to fatty acids and glycerine with the aid of heat and pressure and countercurrent washing of glycerine from the resulting fatty matter with the aid of hot water, the method of finely dividing said water to facilitate said washing, which comprises mixing the water with a portion of said fatty acids and forcing the mixture of fatty acids and water under pressure, into said fatty matter, with sufficient velocity to effect a fine state of division of said water.

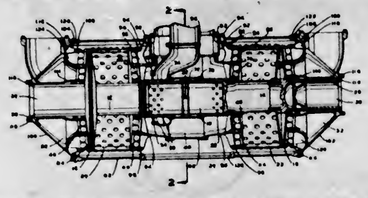
11. In a countercurrent process for hydrolyzing fats with the aid of water in liquid condition at temperatures above 185° C., the method which comprises the steps of rapidly applying heat to said fats while in direct contact with water to bring the fats to about the temperature employed in said hydrolysis without effecting a substantial degree of hydrolysis of said fats during said rapid heating, and directly submitting the fats thus heated to said countercurrent hydrolysis.

2,458,171
ISOLATION OF ACETYLESTERASE FROM CITRUS WASTE
Eugene F. Jansen, Berkeley, Rosie Jang, San Francisco, and Leonard R. MacDonnell, Oakland, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application December 12, 1947, Serial No. 791,442
14 Claims. (Cl. 195—66)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of isolating acetylesterase which comprises pressing citrus peel to separate the juice from the solid material, stabilizing the juice by dissolving an inorganic oxalate therein, precipitating the acetylesterase from the stabilized solution by salting-out with inorganic salt and separating the precipitated acetylesterase.

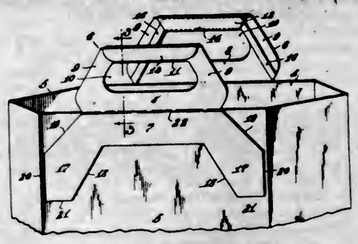
2,458,172
ASSEMBLY OF FREE-PISTON UNITS
Andrew Kalitinsky, Eagleville, and Walter A. Ledwith, Hartford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 15, 1944, Serial No. 531,305
3 Claims. (Cl. 230—56)

1. A free-piston engine and compressor assembly including a housing, an engine cylinder, a supporting element around said engine cylinder and forming a scavenge manifold for the engine, said housing having centrally positioned locating means in the housing that locate the element axially and laterally and said element engaging said locating means, said element having means for endwise adjustment of the engine cylinder within the element, said element also having means engaging the ends of the engine



cylinder, said housing having locating means engaging said element adjacent its ends for aligning the ends of said element with the housing, compressor cylinders at opposite ends of the engine cylinder, the inner ends of the compressor cylinder engaging said element to be aligned with the engine cylinder, and end caps mounted on and engaging locating surfaces on the housing, said caps having locating means for the outer ends of the compressor cylinder.

2,458,173
SHOPPING BAG HANDLE
Emanuel S. Kardon, Melrose Park, Pa., assignor to American Bag & Paper Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 18, 1945, Serial No. 635,745
5 Claims. (Cl. 229—54)

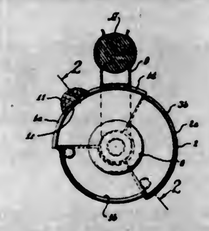


1. A handle member for shopping bags and the like comprising a member blanked out of sheet material having a main body portion secured to the bag and a handle portion extending upwardly therefrom, the handle portion having a hand hole cut therein to provide a top horizontal hand engaging part, the body portion having flaring tab portions extending downwardly and outwardly and secured to the bag, the upper outer edges of said tab portions being inclined at a substantial angle to the vertical, and the inner lower edges of said tab being shaped complemental to the top portion of the handle member.

2,458,174
BED LAMP
Vivian N. Kincaid, San Diego, Calif.
Application July 15, 1946, Serial No. 683,805
2 Claims. (Cl. 240—4)

1. In a bed lamp of the class described, the combination of a main casing member having an

arcuate side wall and integral end portions, bearing concentrically of said arcuate side wall engaging said end portions, segment shutters journaled in connection with said bearings and arcuately telescopic relatively to said main casing member, said segment shutters being freely pivotal relatively to each other and separated substantially at the middle portion of said lamp



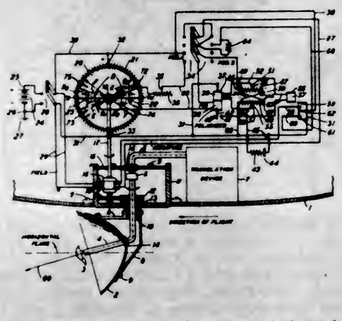
intermediate said bearings, second segment shutters pivotally connected with said bearings and having arcuate side wall portions concentric with the side wall portions of said main casing member, said second segment shutters being separated intermediate said bearings and independently movable relatively to each other, and handles secured to said segment shutters at opposite ends of said bed lamp.

2,458,175

DIRECTIVE ANTENNA CONTROL SYSTEM

Aaron Robert Kolding, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1944, Serial No. 546,828
5 Claims. (Cl. 250—33.65)



1. In combination, a direct current motor, a source of direct current connected thereto, a relay controlled by said motor for reversing the direction of rotation of said motor, and an adjustable resistance included between said relay and said source for controlling said relay and changing the amount of rotation of said motor in each direction.

2. In combination, a directive antenna comprising a rotatable concave reflector, a first potentiometer comprising a circular resistance and a pair of rotatable wipers therefor, a direct current motor for oscillating said reflector and rotatable wipers over an angle not greater than 180 degrees, an adjustable resistance for changing the magnitude of said angle, a second potentiometer for changing the orientation of the bisector of said angle, said last mentioned potentiometer comprising a pair of parallel resistances and a pair of slidable wipers, a source of direct current connected to said circular resistance and to said parallel resistances, and a polarized relay having a contact for reversing said motor, an operating winding connected through said adjustable resistance to said rotatable wipers, and a bias winding connected to said slidable wipers.

2,458,176

ANIMAL TRAP

Claude Jones, Jefferson City, Mo., assignor of one-sixth to Erl E. Varble, Jefferson City, Mo.

Application November 22, 1944, Serial No. 564,634
5 Claims. (Cl. 43—67)

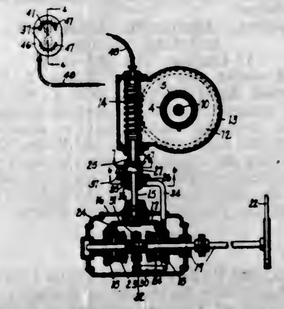
3. An animal trap comprising a base, an upstanding support arranged contiguous to an end of said base and carried thereby, a longitudinally extending arm pivotally mounted on said support, spring means interconnecting the rear end of said arm to said base for yieldably urging the front end thereof upwards, a trigger mechanism including a bait supporting holder arranged along said base and spaced from said support, a reticulated frame positioned on said base contiguous to said mechanism and enclosing said bait holder, said frame having front and side openings affording access to the bait on said holder, means for operatively connecting said trigger mechanism to said arm, and a noose carried by the rearward end of said arm extending around each of said openings in embracing relation therewith for constricting each noose upon upward movement of said arm.

2,458,177

POWER STEERING AND PROPELLING MECHANISM

John Frank Johnson, Ludington, Mich.

Application February 28, 1945, Serial No. 580,247
17 Claims. (Cl. 115—35)



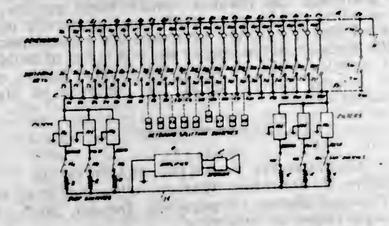
1. The combination of a propeller provided with a support rotatable through 360° on an axis perpendicular to the axis of the propeller, a worm gear on said propeller support, a driving worm coacting therewith, a shaft for said worm provided with a beveled driven gear, a pair of beveled driving gears disposed in opposed coacting relation with said beveled driven gears and provided with opposed cone clutch elements, a driving shaft for said driving gears, a driving cone clutch element mounted on said driving shaft between said driven clutch elements for neutral positioning or selective engagement therewith, a bearing mounted on said worm shaft provided with a projecting pin, a pulley provided with a hub rotatable on said bearing and having a cam slot coacting with said pin whereby rotation of the pulley imparts axial movement thereto, a shifting lever for said driving clutch member, a link connecting said pulley hub to said shifting lever, a steering wheel having cable connection to said pulley, and an indicator comprising a casing having curved segmental oppositely disposed windows having indicia associated therewith, spindles mounted on said casing and each provided with a pointer disposed in the same relation thereon, each pointer being associated with one of the windows, meshing gears connecting said spindles whereby the points are driven in opposite direction, and a driving connection for said worm shaft to one of said spindle gears whereby the forward position of the propeller is indicated by one pointer throughout a range of 180° and the other pointer indicates its reversing positions throughout a range of 180°.

2,458,178

ELECTRICAL MUSICAL INSTRUMENT WITH SPLIT KEYBOARD

Nicholas Langer, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill., a corporation of Illinois

Application January 31, 1948, Serial No. 5,573
8 Claims. (Cl. 84—1.17)



3. An electrical musical instrument comprising in combination a system of generators for producing note frequency oscillations corresponding to notes of a musical scale, an output terminal for each of said generators, a manually operable switching key interposed between each of said generators and its output terminal adapted when actuated to render output signal from the generator effective at its terminal, a low range output network connected to all output terminals up to a predetermined note, a high range output network connected to all output terminals above another predetermined note, a range-splitting switch interposed between each pair of adjoining terminals in the intermediate range between and including the said predetermined notes, said switches being normally closed to sequentially connect the terminals in the intermediate range to each other and to the said output networks and being capable of selective actuation to disconnect the said networks from each other at any desired point in the said intermediate range, and means responsive to the actuation of any one of said range-splitting switches to render the rest of said switches inoperative.

2,458,179

ANTIGLARE SYSTEM FOR AUTOMOTIVE VEHICLES EMPLOYING POLARIZED LIGHT

Edwin H. Land, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware

Application July 8, 1946, Serial No. 681,922
4 Claims. (Cl. 88—1)

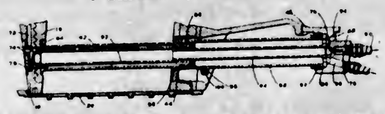
3. In a headlight system for automotive vehicles and the like wherein the vehicle is provided with a light source including a light-polarizing element for illuminating the pathway of the vehicle with polarized light and with a light-polarizing analyzer for viewing the illuminated pathway of the vehicle, means for positioning the analyzer so that its transmission axis makes an acute angle with the vertical of at least 22½° and not more than 35°, and means for positioning the polarizer associated with the source of illumination so that its transmission axis makes with the horizontal an angle substantially equal to the angle made by the transmission axis of the analyzer with the vertical, said transmission axes making with each other an angle of at least 20° and not more than 45°, whereby said analyzer transmits a substantial percentage, of the order of at least 50%, of the reflected, polarized radiation emitted by the headlights of said vehicle and effectively suppresses ghost images of the headlights of a similarly equipped, approaching vehicle.

2,458,180

AUXILIARY PUMP FOR FREE-PISTON UNITS

Walter A. Ledwith, Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware

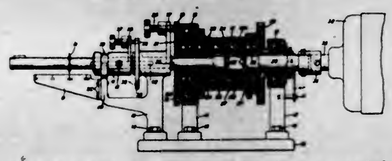
Application August 23, 1944, Serial No. 550,889
7 Claims. (Cl. 230—56)



1. A free-piston unit including an engine cylinder and piston, a compressor cylinder and piston, the compressor and engine piston forming a free-moving piston assembly, an air spring cylinder and piston one of which is movable with the piston assembly and the other of which is connected to the engine and compressor cylinder, and an auxiliary cylinder and piston, one of

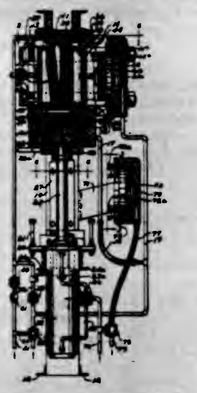
which is connected to the piston assembly and the other of which is connected to one of said engine and compressor cylinders, and means for admitting fluid under pressure to one end of the auxiliary cylinder for moving the piston assembly with respect to the engine and compressor cylinders.

2,458,181
SPEED REDUCTION MECHANISM
John B. Little, Summit, and Wilden A. Munson, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 20, 1944, Serial No. 554,894
3 Claims. (Cl. 74—263)



1. In a speed reduction mechanism, a rotatable drum, a plurality of pairs of concentrically disposed rings in said drum, a plurality of balls disposed between said rings in each of said pairs, rings having means for holding said balls in the annular spaces between said concentric rings, a plurality of coupling means for successively operatively connecting the ball retaining rings of said bearings to similar successive rings in said pairs of concentric rings, a driven shaft movable longitudinally for individually engaging said similar rings, a locking mechanism for holding said shaft from rotation to cause the movement of said drum in one direction, and a locking mechanism for locking said drum to cause the operation of said shaft in another direction upon the unlocking of the latter by the first-mentioned locking mechanism.

2,458,182
MOLDING APPARATUS
Frank J. MacDonald, Brookline, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 18, 1945, Serial No. 611,366
15 Claims. (Cl. 18—19)

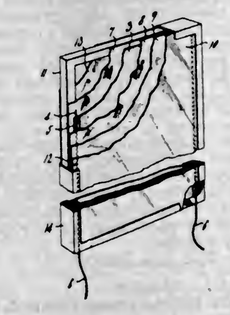


1. Apparatus for molding deeply contoured hollow concavo-convex articles such as helmet liners, binocular carrying cases and the like, said apparatus comprising a frame having a pair of upstanding columns, a male mold member of metallic material depending between said columns, said member being cored for heating and having communicating means for supplying heating fluid thereto, a flexible diaphragm of extensible material associated with and separate from said male member so as to define a fluid-tight chamber therewith, communicating means connecting with said fluid-tight chamber for supplying fluid under pressure thereto, communicating means connecting with said fluid-tight chamber for exhausting fluid therefrom, means in said exhaust means for restricting the return of fluid thereto, a deeply contoured female mold member mounted for vertical movement toward and away from said male mold member, said female mold member being vertically divided and one of the divided parts being hinged so as to swing open, the divided parts of said female mold member being cored for heating and having communicating means for supplying heating fluid thereto, a low-pressure air cylinder and piston assembly mounted between said uprights so as to raise and lower said female mold, opposed locking seats on said columns, a rotary latch casting adapted to support said air piston at an approximate molding position, said latch casting being carried by said air piston and being adapted for manual rotation about said air piston into and out of engagement with said locking seats, a short-stroke high pressure hydraulic cylinder mounted on said air piston, said hydraulic cylinder being adapted to move said female mold member from said approximate molding position to final molding relationship with said male mold member, a second short-stroke high pressure hydraulic cylinder mounted to act in a direction to maintain the divided female mold members in molding relationship, and a pneumatically operated kicker cylinder arranged for engagement with female mold assembly while it is out of molding position to break apart the divided halves of the hinged female mold for removal of the finished article.

2,458,183
METHOD OF FORMING MANIFOLDS
Charles E. Manning, Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1945, Serial No. 593,573
2 Claims. (Cl. 113—116)

2. The method of making a cable manifold for internal combustion engines comprising the steps which include, providing a composite aluminum alloy sheet having a relatively thick layer having a melting point above a certain temperature and a relatively thin layer of aluminum alloy having a melting point lower than the thick layer forming two complementary half-shell members with a main channel and a plurality of spaced branch channels extending parallel to the main channel and in closely spaced relation therewith so that one end of each branch channel is in direct communication with the main channel and the other end provides an outlet spaced from the main channel and having the edges of channels flanged outwardly to form contacting surfaces and spaced tabs on each member the thin layer forming the inner surfaces of the channels; placing one end of a preformed bushing having a melting point above the thin layer in each outlet of the branch chanels of one of the half shell members; placing the other half-shell member over the first half-shell member so that the flanges and tabs of both members are adjacent each other; riveting the tabs together to hold the shell members together and the bushing in position subjecting the members to heat to render only the thin layer in a fluid state for integrally bonding the contacting surfaces to provide an integral manifold and then removing the tabs.

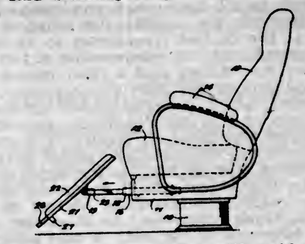
2,458,184
ELECTRICALLY CONDUCTING PANEL
Louis Marick, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1944, Serial No. 518,395
2 Claims. (Cl. 219—34)



1. A laminated heating unit comprising, a sheet of flexible material having applied thereon a synthetic resin compound containing electrically conducting carbon black in amount sufficient to impart current conducting and heating properties to the sheet, electrical conductor wires secured along two edges of the sheet in parallel relation to each other, a pair of layers of flexible protective material coated with a film of synthetic resin enclosing said sheet of flexible material, a flexible sheet of decorative material adjacent at least one of the layers of flexible protective material, and a flexible sheet of transparent synthetic resin adjacent to the decorative material, the whole being bonded together throughout the overlapping areas of the respective layers of material to form an integral stiff panel.

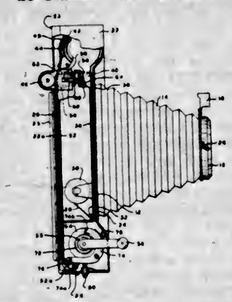
2,458,185
SEAT
Sterling B. McDonald, Grayslake, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a corporation of Illinois
Application January 17, 1945, Serial No. 573,207
6 Claims. (Cl. 155—170)

1. A seat comprising a hollow base open at its forward end, supporting means slidably mounted in the base and adapted to project forward through the open end thereof, a leg rest pivoted on the supporting means, and a blocking strip pivotally carried by the leg rest and adapted to fit into the open end of the base to lie substantially flush with the outer surface of the base, said blocking strip being movable on its



pivot to a position parallel with said rest and providing an extension thereof.

2,458,186
DEVELOPING CAMERA
Rosario J. Messina, West Roxbury, and Otto E. Wolff, Cambridge, Mass., assignors to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application July 2, 1947, Serial No. 758,652
13 Claims. (Cl. 95—13)

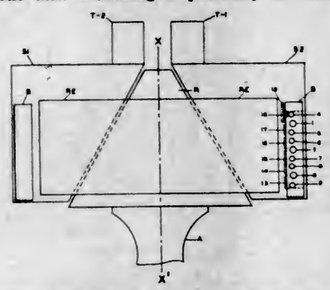


1. Apparatus for subjecting a plurality of photographically exposed areas of a light-sensitive film material to a predetermined processing comprising, in combination, means for mounting a roll of said film material, means for separately mounting a roll of a sheet material, means providing a pair of compressing members adapted to have said film material and said sheet material advanced in superposed relation and compressed therebetween, said materials having a fluid container positioned therebetween, as the same are advanced between said compressing members, and means spaced from said compressing members along the path of travel of said superposed materials for engaging said materials to pull the same between said compressing members, said members acting in cooperation with said film and said sheet material to spread the contents of said container to a predetermined area of said film.

2,458,187
VARIABLE CONDENSER WITH TRIMMER
Surrius Rector Montcalm, Boonton, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey
Application January 25, 1945, Serial No. 574,533
2 Claims. (Cl. 175—41.5)

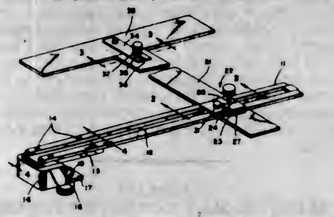
1. In an electrical variable capacitance device adapted for creating the major parts of the variable capacitive reactances in electrical circuits

designed to selectively resonate to electrical alternating currents of variable frequencies ranging as high as 250 megacycles and means associated therewith for causing the selective resonating at the desired frequencies to be effectively accomplished: the combination of two single sloping side stators and a rotor having two correspondingly sloping sides variably interposed therebetween, all of material highly conductive of electricity and so massive in all relevant directions that the inherent reactive inductance set up thereby to electrical alternating currents of frequencies even as high as the order of 250 megacycles is still low enough to permit of using some inductance externally thereof in the circuits in which connected; an otherwise nonessential extension of the body of said rotor beyond and partially overlapping of said stators in maintained massive form; and means for causing any circuit in which said variable capacitance device is located to effectively resonate at all of the great many frequencies involved at predetermined settings of said rotor irrespective of said circuit per se not being otherwise adapted for so resonating, comprising a separate base member mounted on a portion of each of said stators nonoverlapped by said extension, said base member having a flat side facing said extension and a flat base substantially at a right angle to said flat side and including a plurality of threaded



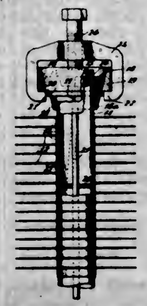
holes therein; separate holes leading from said flat side to each of said threaded holes at a material distance from said flat base in each case; separate leaf like elements extending from said base and preferably of a material highly conductive of electricity and having good electrical contact with said base, in each case in front of a one of said holes and extending from said side to a material distance therebeyond; a separate taperpointed screw member in each of said threaded holes, and a separate durable material ball in each of said side holes, in each case of diameter sufficiently greater than its hole's depth that in response to a downward movement of the tapered point of its corresponding screw member it causes its corresponding leaf-like element to alter its position with respect to its neutral position; whereby the different positions given such of said leaf-like elements as may be required will change the capacitance of said capacitance device enough in each case to cause the desired effective resonating of the circuit involved without increasing the overall inherent inductance consequently encountered in operations at frequencies of the order of 250 megacycles enough to render continued resonating at such frequencies impossible of attainment due to the overall inductances involved being raised too much for supporting resonance with the consequently raised overall capacitances involved, respectively.

2,458,188
DRAFTING INSTRUMENT
Joseph Meran, Chicago, Ill.
Application May 12, 1946, Serial No. 669,303
2 Claims. (Cl. 33—76)



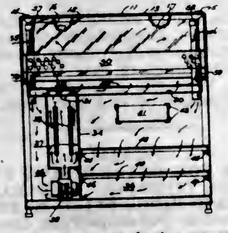
2. A drafting instrument comprising a member having a longitudinally extending central slot, means secured to said member for securing said member to a drafting table, a straight-edge, a block positioned in the slot in said member, an upper plate secured to said block and extending over the slot and said member, a bolt passing through said upper plate and threadably engaging said block, said bolt being provided with a tapped central opening, a screw threadably engaging said straight-edge and the opening in said bolt, and a lower plate positioned between said block and said straight-edge, whereby the recited elements operate to permit said straight-edge to be positioned as an angle with respect to said member, a second upper plate extending over the slot and said member, and a bolt passing through said second upper plate and threadably engaging said block, whereby said second upper plate and said bolt operate to permit said straight-edge to be positioned at any point in the slot in said member.

2,458,189
METHOD OF EXPANDING TUBING BY FREEZING LIQUID THEREIN
David E. Morgan, Philadelphia, Pa., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application July 18, 1945, Serial No. 605,698
4 Claims. (Cl. 113—118)



1. Method for securing annular fins in positions surrounding a metal tube, which comprises confining within the tube a predetermined volume of a liquid medium partially and substantially to the same extent filling each cross-sectional portion of the tube, said medium being capable of expanding on solidifying, limiting the amount of said liquid medium by substantially filling the remainder of the space of each said cross-sectional portion within the tube by inserting a substantially non-compressible material which is not subject to a change in state at the temperature of solidification of said liquid medium, then subjecting said liquid medium to a temperature causing such solidification thereof, the volume of said liquid medium being made sufficient to cause upon such solidification permanent expansive deformation of the tube into firm contact with the surrounding fins, and the volume of said material being sufficient to so limit the volume of said medium upon solidifying that no rupture of the tube occurs.

2,458,190
POPCORN WARMING DEVICE
Samuel Newburger, Chicago, Ill.
Application December 20, 1947, Serial No. 792,949
2 Claims. (Cl. 219—19)



2. A popcorn warming device comprising a cabinet having an upper display portion composed of transparent materials and adapted to hold and display popcorn therein, a tray positioned within said cabinet adjacent said upper display portion and adapted to hold loose popcorn, said tray having perforations sufficiently large to permit the passage of air through said tray and sufficiently small to prevent the passage of popcorn through said tray, the upper display portion of said cabinet having an opening adapted to permit access to said tray, a blower shaft positioned beneath said tray, a pair of electrical strip heaters mounted within said blower shaft, a blower fan positioned beneath said blower shaft and connected thereto, said cabinet adapted to hold in its lower portion beneath said tray filled boxes of popcorn, duct means extending from the upper part of the upper portion into the lower portion of said cabinet for the circulation of air therebetween, said blower fan adapted to blow air through said blower shaft past said heaters, where said air is heated, and to blow the heated air beneath said tray, through said tray and the popcorn on said tray, then from the upper portion of said cabinet through said duct means into the lower portion of said cabinet past the filled boxes of popcorn through said blower fan to complete the cycle, and means for connecting said blower fan and heaters to a suitable source of electrical supply.

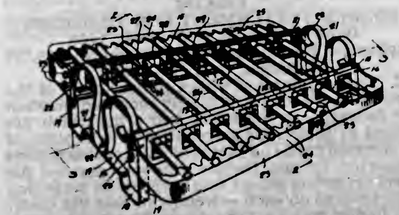
2,458,191
RESINOUS COMPOSITIONS OF STARCH ETHERS WITH OTHER RESINS
Peter L. Nichols, Jr., and Lee T. Smith, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 26, 1945, Serial No. 574,668
4 Claims. (Cl. 260—17.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of improving the physical properties of a resin of the group consisting of lower alkyl acrylate and lower alkyl methacrylate polymers, polystyrene, and polyvinyl acetate; comprising mixing the resin with an allyl starch ether having about 1.4 to 2.4 ether groups per glucose unit.

2,458,192
AUTOMATIC SIGNAL DEVICE FOR AUTOMOBILES
William R. Niles, Herington, Kans.
Substituted for abandoned application Serial No. 265,040, March 30, 1939. This application March 11, 1947, Serial No. 733,975
1 Claim. (Cl. 200—86)

In a signal device for preventing of surreptitious removal of an automobile, comprising the combination of a support for an automobile, an opening in said support adapted to receive a portion of one of the tires of the automobile ground wheels, a trip plate forming a closure for said opening and hinged at one end to said support to be rocked downward out of said opening by the pressure of a tire on the top face of the plate, a switch carried by the support, a lever carried by the free end of the trip plate and connected to the switch for closing the switch when the plate is swung upward to close the opening after removal of the tire from the opening, a U-shaped spring secured at the transverse member thereof to the support at that end of the plate which is hinged, the legs of the spring extending along the underneath face of the plate, a transversely disposed bar of wedge shape in cross section engaged between the legs of the spring and the underneath face of the plate, the ends of the bar projecting beyond the plate and engaging the support to limit upward swinging movement of the plate under pressure of said spring, said spring normally holding the trip plate in position to seal the opening and normally holding said switch in circuit closing position, and a pair of angular stop lugs carried by the underneath face of the support disposed to overlap the underneath face of the trip plate at the free end of the plate to limit downward movement of the trip plate when the tire forces the trip plate downward.

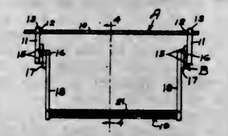
2,458,193
XYLOPHONE
Joseph A. Packheiser, Chicago, Ill.
Application August 11, 1945, Serial No. 610,239
1 Claim. (Cl. 84—403)



A musical instrument comprising oppositely disposed supporting members spaced substan-

tially from each other and having struck-out portions providing spaced openings extending in the direction of the length of said members with the openings of one of said members in alignment with the openings of the other of the members, said struck-out portions extending substantially at right angles with respect to the vertical sides of said members and in parallel relation with respect to each other to provide pairs of spaced supporting flanges, musical bars extending transversely between said supporting members through said openings, suspension cords for said bars, said suspension cords being arranged in pairs with respect to each supporting member and having portions providing loops substantially in alignment with and located centrally with respect to said openings, the end portions of said bars extending through said loops, the portions of said cords between said loops extending through perforations formed in said flanges and disposed parallel with respect to each other, and means for connecting said supporting members in said spaced relation with respect to each other.

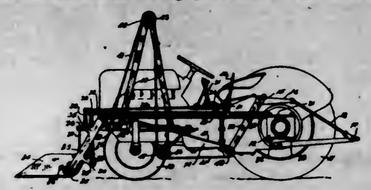
2,458,194
SLIDING SHOE RACK
Carl M. Panosh, Berwyn, Ill.
Application July 2, 1945, Serial No. 602,850
1 Claim. (Cl. 211—114)



In combination with a bed spring, a pair of spaced hanger sections, separate means parallel to and detachably securing said hanger sections, respectively, to and beneath said bed spring parallel to each other and perpendicular to the plane of the bed spring, channeled guide means on said hanger sections having guideways substantially parallel to the plane of the bed spring, runners slidably mounted in said guideways and a rack frame between said sections and suspended from said runners whereby said rack frame may be moved from a forward position near the edge of said bed spring to a rearward position at a substantial distance away from the edge of said bed spring, said rack frame consisting of side members attached to and depending from said runners and a rail-like bottom inclined upwardly relative to the guideways and secured to said side members, said bottom being adapted to support various articles.

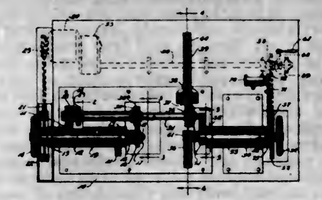
2,458,195
LOADER ATTACHMENT FOR TRACTORS
Daniel S. Pearse, Wild Horse, Colo.
Application November 20, 1945, Serial No. 629,790
2 Claims. (Cl. 214—140)

1. The combination with a power shovel of the type having a shovel pivotally mounted between the forward extremities of two arms which are hinged at their rear extremities to a vehicle, of an elevated frame on said vehicle; elevated pulleys supported by said frame; a power-operated lift shaft extending across said vehicle; an actuating lever secured on each extremity of said lift shaft; a swinging pulley on the extremity of each lever; an idler pulley at each side of said vehicle; and a pair of flexible cables each being secured at its outer extremity to one of said arms and extending to a fixed connection with said vehicle at its inner extremity, each cable extending over one of said elevated pulleys, round one of said idler pulleys, and round one of said swinging pulleys intermediate its extremities, said idler pulleys and said fixed connections being positioned to place the



reaches of the cables extending to the swinging pulleys in planes substantially tangent to the arc of movement of said swinging pulleys so that the outer extremities of said cables will move substantially twice the distance covered by the swinging movement of said actuating levers.

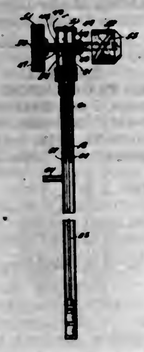
2,458,196
APPARATUS FOR DETERMINING THE CUTTING AND CHIPPING RESISTANCE OF PLASTIC AND RUBBERLIKE MATERIALS
Warren E. Phillips, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application August 30, 1945, Serial No. 613,676
8 Claims. (Cl. 73—12)



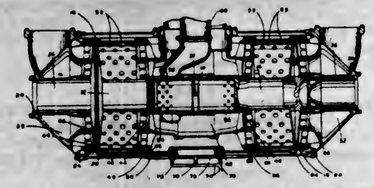
1. Testing apparatus comprising, in combination, means for rotatably mounting a disc-like sample member of the material to be tested, a rotatable toothed gear-like member mounted for peripheral contact with said sample member, and means for intermittently interrupting the contact between the two rotating members and causing one of said members to strike the other member with impact.

2,458,197
BILGE PUMP
Albert R. Pierce, Jr., South Dartmouth, Mass.
Application October 18, 1945, Serial No. 623,141
5 Claims. (Cl. 103—59)

1. A portable bilge pump comprising a tubular body of uniform diameter from its lower end upwardly throughout its length to its head, said lower end being adapted to be placed in the bilge of a boat, a piston reciprocably guided in said body having a valve therein, a casing at the upper end of the body having a rotatably mounted shaft at right angles to the axis of the body, a wind actuated propeller for rotating said shaft, an eccentric rotatable with said shaft, a head guided in said casing and reciprocated by said eccentric, and a rod connecting said head

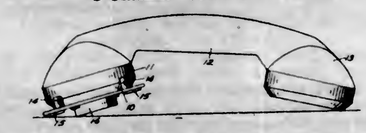
to said piston, a discharge opening from said body, a long spring surrounding and loading the rod and parts moving therewith to counterbalance

the same in an amount to include the weight of the column of water in the body up to said discharge opening.

2,458,198
CONTROL FOR SPILL PORTS FOR FREE-PISTON UNITS
David M. Poole, Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 15, 1944, Serial No. 531,308
8 Claims. (Cl. 230—56)



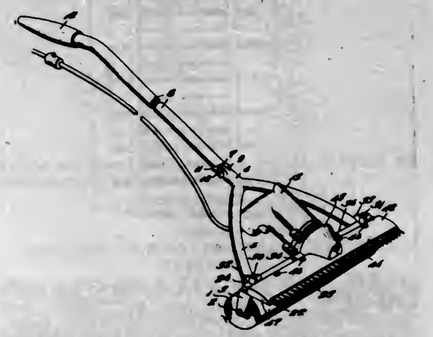
1. A free-piston unit including a compressor cylinder and a piston therein, said cylinder having a cylindrical wall with at least one row of circumferentially arranged ports extending therethrough, and a band surrounding, engageable with, and movable on the outer surface of said cylindrical wall to close or open said ports.

2,458,199
TELEPHONE TRANSMITTER SUPPORT AND SILENCER
Albert C. Reinhold, Marietta, Pa.
Application April 15, 1947, Serial No. 741,614
5 Claims. (Cl. 179—180)



3. A silencer holder for telephone instruments having a receiver at one end and a transmitter mouthpiece at the other end, comprising a disc valve to rest upon a horizontal surface and be fitted against said mouthpiece to shut off ambient sound, means adapted to tilt said valve under the weight of said mouthpiece to seal said mouthpiece, and means coacting with said tilting means to form a stable support for said valve in tilted position while said receiver rests upon the same horizontal surface.

2,458,200
ELECTRIC LAWN MOWER AND HEDGE CLIPPER
Lester C. Renfroe and Charles C. Renfroe, Jacksonville, Fla.
Application May 3, 1946, Serial No. 666,892
2 Claims. (Cl. 56—26.5)

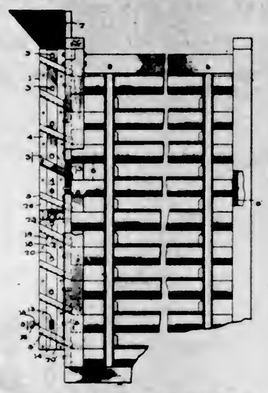


1. A combined electrically operated power lawn mower and hedge clipper including a handle having a forked inner end formed with depending arms and integral inwardly directed supporting surfaces, positioning bolts extending upwardly from said supporting surfaces, a roller support mounted between said depending arms, a transversely extending base having notches formed in its rear edge adjacent its opposite ends engageable with said bolts for securing said base upon said supporting surfaces, upwardly extending guide lugs on said base adjacent its opposite ends, upper and lower cutter blades formed with elongated guide slots adjacent their opposite ends disposed over said guide lugs supported for reciprocable movement upon said base, a longitudinally extending bearing strip disposed in contact with the lower surface of each of said cutter blades, upwardly extending spaced yoke arms on the rear edges of said cutter blades with the yoke arms on said upper blade being disposed forwardly of the yoke arms on said lower blade, an integrally formed attaching collar on said base, an electric motor detachably supported by said attaching collar, and double acting opposed cams supported and driven by said motor for actuating said upwardly extending spaced yoke arms on said cutter blades for driving the same.

2,458,201
FEEDING MECHANISM FOR SEED SEPARATORS
William A. Rice, Jerseyville, Ill.
Application January 7, 1946, Serial No. 639,618
4 Claims. (Cl. 209—73)

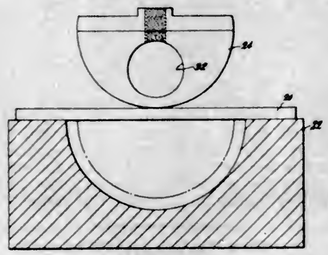
2. A feed device for a seed separating machine of the type that includes a vertical series of substantially horizontal disposed seed separating devices, said feed device comprising an upright chute arranged to be positioned at one end of the ma-

chine and adapted to pass seed therethrough, a plurality of ports in one upright wall of said chute for permitting the escape of seed therethrough, said ports being positioned in a series longitudinally of said wall, a plurality of spouts associated with said ports to receive the seed passed by said ports and to direct said seed onto said seed separating devices, respectively, an operable toothed wheel rotatably mounted in the lower end



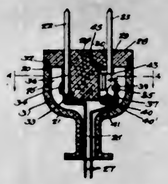
of said chute on an axis transverse of the chute adjacent to the bottom port for feeding seed through the bottom port into the bottom spout, the passageway of said chute being otherwise free from restrictions or obstructions, whereby overlying seed in said chute are forcibly fed through the bottom port and caused to move downwardly in the chute and further caused to feed through the upper ports as result of said downward movement.

2,458,202
APPARATUS FOR FORMING COMPOSITE BEARINGS
John M. Robertson, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1944, Serial No. 540,559
1 Claim. (Cl. 153—48)



Apparatus for circle forming strip stock comprising in combination; a die member having a semi-cylindrical cavity therein, a punch of a shape complementary to said cavity but of less diameter whereby clearance is obtained between the punch and the die substantially equal to the thickness of the strip to be circle formed, said punch being formed from a single piece of steel and having a continuous working face and including a lateral aperture drilled therethrough and having the axis thereof in exact parallelism to the surface of the punch whereby a relatively thin portion of metal extends between the aperture and the surface of the punch which portion is compressible upon pressure applied thereto.

2,458,203
FUSED PLUG CONNECTOR
Henry C. Rohrman, Philadelphia, Pa., assignor of one-half to Frank P. Murphy, Philadelphia, Pa.
Application July 20, 1946, Serial No. 685,232
2 Claims. (Cl. 200—115.5)



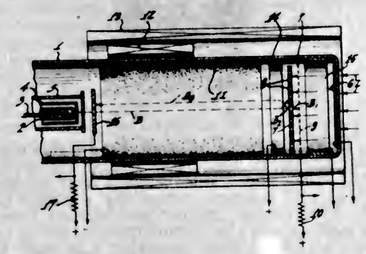
1. In an electrical plug connector, a plug front of insulating material, a pair of plug contacts mounted in parallel spaced relation on and extending through and beyond the front, a first terminal on the rear of one of the contacts, a first fuse socket on the rear of the other contact, an extension of insulating material rearward from the plug front having a side recess which includes and extends behind said first fuse socket and forms with the extension a rib of insulating material at the back of the recess, a second terminal having a reverse bend U portion extending on both sides of and secured to the rib and a second fuse socket in line with and properly spaced from the first fuse socket to receive a fuse and mounted on the second terminal in the recess.

2,458,204
MOVABLE MULTIPLE MAGAZINE UNIT FOR TYPESETTING MACHINES
Charles J. Romyns, Lynbrook, N. Y.
Application March 14, 1947, Serial No. 734,696
2 Claims. (Cl. 199—45)

1. In a typographical machine, the combination of a base support, an arm extending upwardly therefrom, a bearing portion on said arm having a bearing surface lying in a plane at an angle to the vertical axis of said arm, a bearing opening in said bearing portion normal to said bearing surface, a shaft journalled in said opening and having one end extending beyond said bearing

portion, a hand crank fixed on said extending portion of said shaft, a first and second disc on said shaft, a spacing member on said shaft and between said discs for spacing the same, a journal adjacent said second disc for supporting an end of said shaft, means extending axially of said shaft securing said discs against said spacing member, thrust bearings between said first disc and the bearing surface of said bearing portion, locking means between said bearing arm and said first disc for indexing and locking the same in selected positions, a plurality of circumferentially-spaced radially extending slots in said discs, corresponding slots of said discs being in alignment with each other, and a type magazine removably mounted in each pair of corresponding slots of said discs whereby each magazine extends substantially parallel to said shaft.

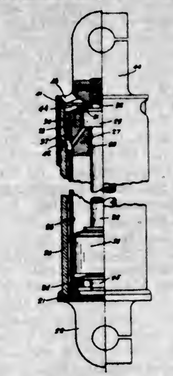
2,458,205
TELEVISION PICKUP TUBE
Albert Rose, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1946, Serial No. 699,702
2 Claims. (Cl. 250—164)



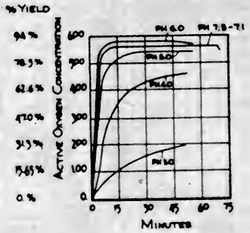
1. A television cathode ray beam pick-up tube comprising a gun, a perforated target of semiconducting material, a signal screen electrode adjacent one side of said target, a photocathode, an anode for producing a charge image on the side of the target adjacent the screen from photoelectrons emitted by said photocathode, field producing means for scanning a cathode ray beam over the other side of the target with part of the beam electrons passing through the perforations to the screen electrode and part landing on the front elemental areas of the target in sufficient quantity to discharge the image charge on the opposite elemental areas by passage through the target within a frame time.

2,458,206
SHOCK ABSORBER
Edwin F. Rossman, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 2, 1946, Serial No. 666,716
1 Claim. (Cl. 188—88)

A hydraulic shock absorber comprising an outer shell provided with a head member through which a piston rod slidably extends; a plate secured to the outer end of said piston rod, said plate having openings adjacent its outer edge and a skirted member which envelopes the said shell for a portion of its length, the adjacent surfaces of the head member and the plate sloping relatively so as to be in closer proximity in the area surrounding the piston rod than at the openings in said plate; and ribs in the head member, said ribs facilitating securing the head member to the shell and forming means to break up mud accumulating under the plate.

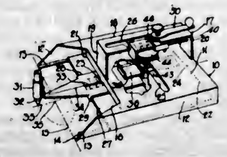


2,458,207
METHOD OF MANUFACTURING ACETYL PEROXIDE
Hans A. Rudolph, Buffalo, and Robert L. McEwen, Williamsville, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
Application October 12, 1944, Serial No. 558,448
4 Claims. (Cl. 260—610)



1. The method of preparing acetyl peroxide which comprises blending acetic anhydride and hydrogen peroxide with a liquid ester of phthalic acid and thereafter adding thereto under cooling and in successive increments sufficient of an alkali to maintain the end pH in the range 4.0 to 8.0.

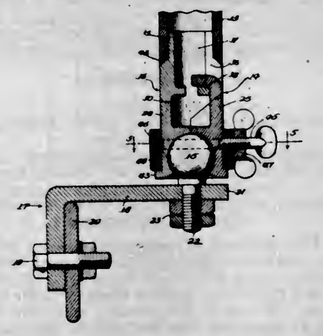
2,458,208
SCRIBING INSTRUMENT
John Ruger, Freeport, N. Y.
Application December 2, 1944, Serial No. 566,314
2 Claims. (Cl. 33—31)



1. An instrument of the class described comprising a frame having spaced upper and lower

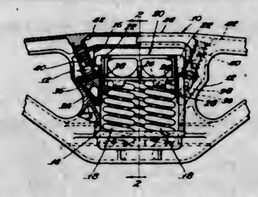
walls, each wall having an elongated aperture, the aperture of one wall being arranged at right angles to the aperture of the other wall, said apertures crossing each other centrally with respect to the length of said apertures, an actuating mechanism comprising a pair of arms, a bushing having a fixed position on one arm and movable in the aperture of the lower wall and adjustable longitudinally of the second arm, means axially of said bushing for adjustably and fixedly coupling the same with the second arm, a second bushing movable in the aperture of the upper wall and adjustable longitudinally of the first arm, means clamping the second bushing on the first arm, a curve generator member on the second arm spaced with respect to said first bushing and movable in a path determined by relative adjustment of said bushings on said arms, manually rotatable means for operating said mechanism to move said member through a complete predetermined path in each revolution thereof, a projector mechanism comprising relatively sliding plates, one plate being slidably mounted in the frame, the other plate being arranged directly upon and slidably engaging the first plate, said member being directly pivoted to the second named plate, and means on the second named plate in wide spaced relationship to the first named plate for supporting a scribing instrument.

2,458,209
COUPLING
Felix C. Sawataki, Coloma, Mich., assignor to Sporting Specialties Company, Coloma, Mich., a corporation of Michigan
Application March 11, 1946, Serial No. 653,614
7 Claims. (Cl. 280—33.17)



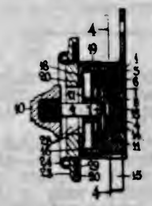
4. A coupling comprising a ball element, a pair of cooperating socket-forming members including a cylindrical mounting member, and a holding member shiftable on the mounting member, between ball-retaining and ball-releasing positions, said mounting member having a central cavity opening at one end thereof and a lateral slot opening through the wall of the mounting member upon said cavity, said slot having an open end at the said end of the said mounting member, said mounting member having a semi-cylindrical socket-forming portion, at its other end, said portion having a flat face extending in a plane substantially diametrally of said cylindrical mounting member, said flat face having a hemispherical cavity therein, said holding member having a semi-cylindrical socket-forming portion providing a flat face formed with a hemispherical cavity, and an integral finger adapted to extend in the lateral slot of said mounting member, said finger having an enlarged head for reception in said central cavity of said mounting member whereby to rockingly mount said holding member thereon, with said finger in said slot, means to mount said cylindrical mounting member on a support in position blocking removal of said finger from said mounting member through the open end of the slot, and latch means comprising a sleeve member sized to embrace said semi-cylindrical socket-forming portions to hold them in ball-retaining position, with the flat faces thereof in facing engagement, said sleeve member being retractable on said members to permit ball-releasing movement thereof.

2,458,210
SNUBBED TRUCK
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 4, 1947, Serial No. 772,152
11 Claims. (Cl. 105—197)



5. A railway car truck comprising a side frame including spaced columns, a bolster spring-supported from said frame between said columns, each of said columns comprising a wedge face fixed with respect thereto and sloping toward said opening and also sloping transversely of said frame, a friction shoe associated with each column in frictional engagement with the wedge face thereof and with a surface thereof extending longitudinally of the frame, and spring means compressed between said shoe and a portion of said frame for urging the same along the associated wedge face and column surface against said bolster.

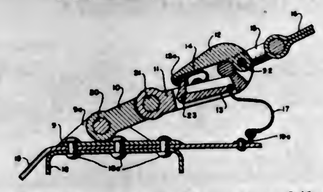
2,458,211
VALVE
Anthony C. Scinta, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 25, 1944, Serial No. 537,271
15 Claims. (Cl. 251—125)



1. A valve comprising a body having a seat formed with spaced ports and a valving member engaged with the seat in a manner normally to close both ports, said valving member being rockable on the seat about spaced fulcrumed points each adjacent a respective port whereby to lift the valving member from the remote port to

open the latter, each port closing portion of the valving member operating to maintain its associated port closed when the remote port is opened, and means selectively operable to so rock the valving member for opening the selected one of the ports.

2,458,212
PARACHUTE DEPLOYING MEANS
Prevost F. Smith, San Diego, Calif.
Application December 28, 1945, Serial No. 637,516
4 Claims. (Cl. 244—139)



2. In a parachute deploying means of the class described, the combination of an airplane, a pilot parachute, a first and second cord in connection with said pilot parachute, a cord link in connection with said first cord, and a main parachute in connection with said second cord, pivoted hook means in connection with said airplane engageable with said cord link, a latch member in connection with said pivoted hook means arranged to hold the same in engagement with said cord link and a latch cord interconnecting said latch member and the structure of said airplane for releasing said hook members when forced into a widening diverged relation whereby said latch cord trips said latch member and releases said hook member disengaging the same from said cord link, whereby the pilot parachute is released from the structure of the airplane and exerts tension on said second cord in connection with the main parachute for deploying the same upwardly and rearwardly of the airplane, and a second link interconnecting said pivoted hook means and the structure of said airplane.

2,458,213
CONTROL GRID FOR GAS TUBES
Charles P. Smith, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 14, 1946, Serial No. 716,202
7 Claims. (Cl. 250—27.5)

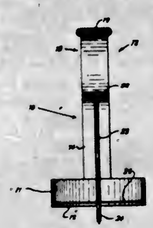
1. An electron discharge device comprising a sealed envelope, a gaseous medium within said

envelope, an anode electrode mounted within said envelope, a cathode electrode spaced within said envelope from said anode electrode, and an apertured control electrode mounted between said anode and cathode electrodes for the passage of a discharge between said anode and cathode electrodes, a sheet metal element fixed to the control electrode for radiating heat therefrom, and finely divided metal particles sintered to said metal element to increase the heat radiating surface thereof.

2,458,214
HYDROGENATION OF NITRO COMPOUNDS
Mott Souders, Jr., Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 26, 1944, Serial No. 542,248
16 Claims. (Cl. 260—580)

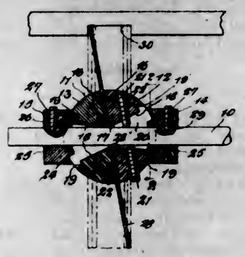
1. A process for the continuous production and recovery of xylidines by the liquid phase catalytic hydrogenation of nitro xylenes which comprises disposing a finely divided nickel catalyst in a reaction zone, continuously introducing nitro xylenes in the liquid state into said zone, maintaining the liquid phase in said zone at a temperature of between about 190° C. and about 200° C., continuously introducing water into said reaction zone in an amount equal to between about 6.5 and about 12 moles of water per mole of the nitro xylene feed, continuously passing hydrogen through the liquid phase at a rate sufficient to maintain in the reaction zone a pressure of about 100 pounds per square inch gage, said rate of hydrogen introduction being sufficient to cause hydrogenation of the nitro xylenes, to maintain the catalyst in suspension in the liquid phase, and to remove in vapor form from the reaction zone substantially all of the formed xylidines and substantially all of the water introduced and produced during the hydrogenation reaction, withdrawing said vapor phase from the sphere of reaction, separately recovering the xylidines and water therefrom and recycling excess hydrogen, together with added hydrogen, through said reaction zone.

2,458,215
TOMATO CORER
Tomme B. Sparks, Denver, Colo.
Application December 7, 1944, Serial No. 566,972
8 Claims. (Cl. 30—302)



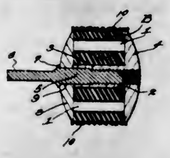
1. A device as described comprising a cylindrical cutter, means for limiting the down movement thereof through a vegetable, a handle to which the cylinder is attached, a support for said means carried by said handle, a transverse cutter carried by said cylinder, consisting of a fine wire, said means, which consists of a pin centrally of the cylindrical cutter serving also as a centering device for said cutter.

2,458,216
ADJUSTING AND HOLDING MEANS FOR ROTARY DISK TOOLS AND THE LIKE
Alvin E. Spindt, Hammond, Ind.
Application May 16, 1945, Serial No. 594,093
1 Claim. (Cl. 144—238)



Means for holding and adjusting a rotary disk tool at an angle with respect to a rotary mounting shaft extended axially therethrough, said means comprising a pair of semi-spherical members each having a planiform flat face adapted to engage respective sides of the disk tool, each semi-spherical member having an interior passage including a bore at said flat face of a diamter to receive said shaft, opposite portions of said passage tapering in an outward direction, the remaining portions of said passage being the same as said bore, the tapered portions of said passage being relieved to form shoulders inwardly of the spherical surface and to form an elongated slot on said spherical surface, holding collars removably securable on the shaft, each collar having a semi-spherical recess complemental to the spherican surface of said semi-spherical members, said collars having lug members disposed within respective elongated slots for holding said semi-spherical members against rotation with respect to the shaft, and set screws threadedly engaged in one of said semi-spherical members extended transversely across the tapered portions of said passage to contact said shaft at diametrically opposite sides and adjustable to move said semi-spherical members and said disk tool at an angle to the shaft.

2,458,217
DRUM SANDER
Francis H. Staggs, Wichita, Kans.
Application April 12, 1946, Serial No. 661,789
3 Claims. (Cl. 51—190)



1. A drum sander comprising an elastic cylindrical body having an axial bore therethrough, end plates, one of said end plates having an axial tubular stem extending through the bore of the body, the second plate having an axial opening, a mandrel extending through the opening of the second plate and extending through and threadably secured in the bore of the stem, said mandrel having a flange for contact with the outer face of the second end plate, and a continuous sander band snugly fitted around the body.

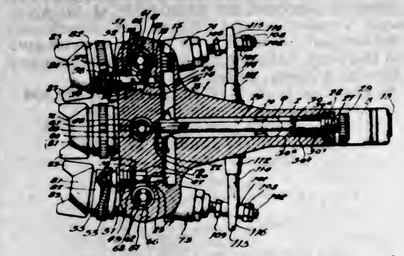
2,458,218
FILAMENT ASSEMBLY STRUCTURE
Joseph W. Skehan, Stamford, Conn., assignor to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application February 11, 1947, Serial No. 727,813
11 Claims. (Cl. 250—27.5)

1. A filament structure which comprises a plurality of stationary filament supports disposed in a closed series, a plurality of filaments attached rigidly at one end to the respective supports, the filaments lying side by side and extending in the same general direction, an element, to which the other ends of the filaments are connected, a rod lying within the group of filaments and engaging the element, spring means remote from the filaments pressing on the rod and tending to move the rod and element to apply tension to the filaments, a guide for the rod fixed in position remote from the filaments and beyond the rigidly attached ends thereof, a member fixed in position between the guide and the filaments and having an opening, through which the rod extends, and means connecting the rod and member near the opening, the portion of the member around the opening being unyielding in a direction transverse to the rod and flexible in a direction lengthwise of the rod.

2,458,219
WHEEL LEVER
John G. Staus, El Paso, Tex.
Application March 6, 1946, Serial No. 652,304
7 Claims. (Cl. 254—38)

4. A wheel lever comprising a bar threaded for a portion of its length and having a circumferentially extending abutment shoulder at the front end of its threaded portion, a nut screwed upon said bar and abutting said shoulder, a tube fitting about the threaded portion of said bar with its front end bearing against said nut, a sleeve about said bar engaging the rear end of said tube, a nut screwed upon said bar and engaging the rear end of said sleeve and applying pressure to the tube to control turning movement of the tube about the bar, a bracket having a shank rigidly carried by said tube and an arcuate bill extending from its shank from the tube radially thereof, flanges extending along side edges of the shank and bill, a web midway the width of said bracket cooperating with the flanges to form seats for an axle head at opposite sides of the web, and a reinforcing web between said bill and the front end of the tube.

2,458,220
MULTIPLE SPRAY GUN
Harold L. Striegel, Eric Gustafsson, and John W. Baur, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 7, 1945, Serial No. 592,450
4 Claims. (Cl. 91—45)



1. A multiple spray gun of the character disclosed, comprising, in combination, a body having a hand grip, a trigger movably supported on the body adjacent the hand grip, air passages in the body extending to the forward end thereof, an air valve within the body for controlling the entire flow of air through said air passages, a plurality of spray gun units supported pendently from the forward end of the body, each spray gun unit including a nozzle and having a continuous air flow connection with the air passages in the body, means to conduct material to each spray gun unit, a normally closed needle valve for controlling flow of material from each unit, each unit being movable freely by hand about an axis which is substantially vertical when the spray gun is held in normal horizontal position, and means adjustably coupling the trigger to the needle valves so that the trigger when moved may cause flow of material from the nozzles after flow of air is started and may initiate flow from any one of the nozzles before or after or simultaneously with flow from any other nozzle and irrespective of the positions of the units.

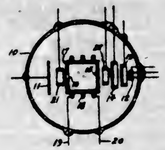
2,458,221
METHOD OF REDUCING ODOR AND SURFACE TACK OF NEOPRENE OBJECTS
Edward C. Svendsen and William J. Clayton, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 5, 1944, Serial No. 557,380
5 Claims. (Cl. 260—92.7)

1. The method of treating polychloroprene sponge rubber containing zinc oxide to reduce its odor and surface tack, which consists in washing the sponge rubber in an aqueous solution of inorganic chloride that will react with zinc oxide and having a strength of from 1 to 2 percent and selected from the group consisting of ammonium chloride, zinc chloride, ferric chloride, barium chloride, magnesium chloride and calcium chloride, removing the excess solution and drying at elevated temperature.

2,458,222
MANUFACTURE OF ARTIFICIAL AQUEOUS DISPERSIONS OF NATURAL AND SYNTHETIC RUBBERS, RUBBER SUBSTITUTES, AND RUBBERLIKE SUBSTANCES
Naum Talalay, Bedford, England
No Drawing. Application December 29, 1944, Serial No. 570,463. In Great Britain April 20, 1944
5 Claims. (Cl. 260—29.7)

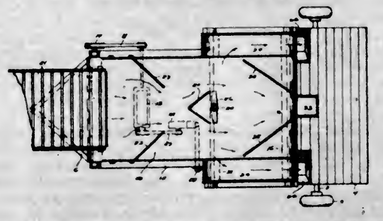
1. In the manufacture of artificial aqueous dispersions of a plasticizable material within the group consisting of natural rubber; rubbery copolymers of butadiene and styrene; rubbery copolymers of iso-butylene and a conjugated diolefin; polychloroprene; olefin polysulphides; factice; and the foregoing materials respectively in vulcanized condition; and reclaims of the respective foregoing materials; the process which comprises masticating such a material in plasticized-solid state in the presence of a small amount of a soap-forming acid saponified in part by an amine base and in part by an inorganic alkali metal compound, and adding sufficient water to produce a dispersion.

2,458,223
ELECTRONIC TUBE
Albert G. Thomas, Lynchburg, Va.
Original application July 3, 1939, Serial No. 282,733. Divided and this application May 15, 1943, Serial No. 487,175
7 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising, a cathode, an anode, a hollow element intermediate said cathode and anode and having opposed openings therein facing respectively said cathode and said anode, and means within said tube and adjacent said hollow element for heating said hollow element.

2,458,224
MACHINE FOR PNEUMATICALLY SEPARATING POTATOES FROM ROCKS
Albion J. Thompson, Washburn, Maine, assignor of fifty per cent to Abram Crouse, Crouseville, Maine
Application October 11, 1945, Serial No. 621,773
2 Claims. (Cl. 209—470)



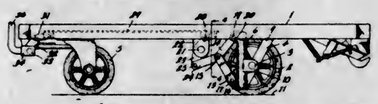
1. A separator for relatively light and heavy objects and comprising an endless moving belt adapted to receive the objects, baffles supported above the belt to guide the objects toward the

center of the belt, a double-ended nozzle supported above the belt and having its discharge openings directed toward opposite sides of the belt, fluid pressure means connected to the nozzle, a baffle in advance of the nozzle and constructed to guide the objects in the path of said discharge openings whereby the light objects will be moved laterally toward opposite sides of the belt without causing lateral movement of the heavy objects, conveyor belts at the sides of said first-named belt arranged for receiving the light objects, hoppers at the delivery ends of said last-named belts, and a chute at the delivery end of the first-named belt.

2,458,225
ELECTRIC HEATING UNIT
David M. Trilling, Merion, and George H. Rich, Philadelphia, Pa., assignors to Trilling and Montague, Philadelphia, Pa., a partnership composed of David M. Trilling and Harry Montague
Application February 8, 1946, Serial No. 646,310
4 Claims. (Cl. 201—63)

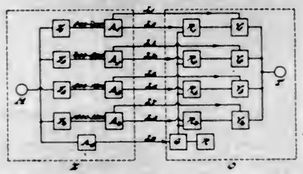
1. An electric resistor unit comprising a hollow cylindrical core having a pair of parallel helical grooves on its exterior, the cylindrical wall of said core having a transverse passage extending therethrough in common registry with said pair of grooves adjacent one end thereof, an anchoring element having an enlarged head disposed internally of said core and a shank extending outwardly through said passage, said shank having an intermediate constriction therein immediately adjoining the external surface of said core, and a coiled resistance wire doubled upon itself to provide a pair of parallel branches, said branches being respectively disposed within said pair of grooves with the portion of said coiled wire intermediate the coiled branches thereof looped about the constricted portion of said anchoring element, whereby said looped portion is anchored to said element simultaneously as it locks said element to the core.

2,458,226
TRUCK ANCHOR
Emery G. Ulrich, Toledo, Ohio
Application September 27, 1945, Serial No. 618,965
14 Claims. (Cl. 188—5)



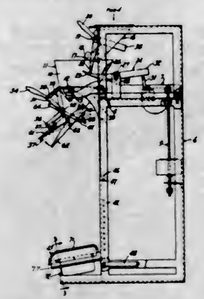
1. The combination with a truck body, carrying wheels and axle, of axle hangers provided with vertical bore-like ways having vertical slots in the lower ends thereof, said ways terminating adjacent the surface on which the carrying wheels are supported, anchor members slidable in said ways to be projected therefrom and provided with ears projecting through said slots and acting to prevent rotative movement of the anchor members in the ways, an actuating toggle for each anchor member, said actuating toggles comprising pivotally connected links, one toggle link being pivotally connected at its upper end to the associated hanger and the other to the ear on the anchor member, an actuating rockshaft common to both toggles and provided with arms, links connecting said arms to the connecting pivots of said toggle links, means for actuating said rockshaft, and means for locking the toggles in actuated position.

2,458,227
DEVICE FOR ARTIFICIALLY GENERATING SPEECH SOUNDS BY ELECTRICAL MEANS
Roelof Vermeulen and Willem Six, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 18, 1946, Serial No. 662,960
In the Netherlands June 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires January 17, 1964
8 Claims. (Cl. 179—1)



1. In an electrical system for producing artificial speech sounds, a source of harmonically-related sound frequency oscillations having a fundamental frequency, means to control the fundamental frequency of said source in accordance with the fundamental frequency of a desired speech sound, means to select from said source a plurality of oscillations whose respective frequencies correspond to the formants of the desired speech sound, and means to combine said selected oscillations in an amplitude ratio corresponding to the amplitude ratio of the formants of the desired speech sound.

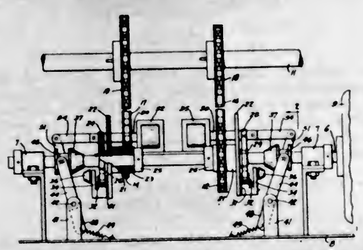
2,458,228
WEIGHING DEVICE WITH BAG FILLING AND BAG VIBRATING MEANS
Edric W. Vredenburg, Berkeley, Calif.
Application September 1, 1944, Serial No. 552,279
3 Claims. (Cl. 226—55)



1. In a machine for filling bags and similar receptacles, a supporting frame, spaced balance

bearings on said frame, a scale beam resting on said balance bearings, a feeding hopper supported at one end of said scale beam and having an outlet, a frame suspended from said hopper, means for securing a bag to said outlet, means carried by said last mentioned frame for supporting engagement with the bottom of a bag secured to said outlet, and vibrating means supported on said bag bottom support means for vibrating said bag bottom support means, said last mentioned frame, scale beam and said hopper simultaneously to facilitate discharge of material from said hopper into a bag and to pack the material in a bag supported between said hopper and said bag bottom support means.

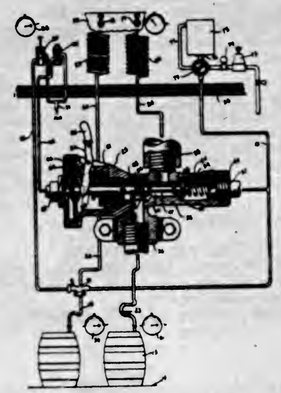
2,458,229
VARIABLE-SPEED DRIVE
Edric W. Vredenburg, Berkeley, Calif.
Application April 7, 1945, Serial No. 587,185
7 Claims. (Cl. 74—368)



1. In combination, a first shaft, a second shaft, a first drive means for driving one of said shafts from the other at a first speed, a second drive means for driving said one of said shafts from said other at a second speed less than said first speed, a first clutch associated with said first drive means and normally engaged to drive said one shaft at said first speed, an over-running clutch associated with said second drive means and effective when engaged to drive said one shaft at said second speed, said over-running clutch being ineffective to drive said one shaft at such second speed, while said first drive is effective to drive said one shaft at said one speed and cause over-running of said over-running clutch, and means for disengaging said first clutch whereby said over-running clutch ceases to over-run and said over-running clutch is rendered effective to drive said one shaft at said second speed.

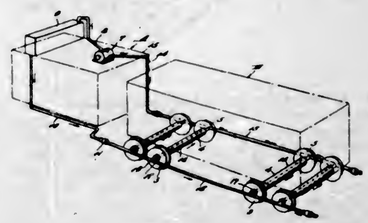
2,458,230
CLEANING MEANS FOR BEER DISPENSERS
Frederick J. Warcup, Nyack, N. Y.
Application September 8, 1945, Serial No. 615,207
4 Claims. (Cl. 225—12)

1. A beer distributing system including a valve casing, a conduit connecting the valve casing with a beer line leading to a tap, another conduit connecting the valve casing with a keg, a third conduit through which the valve casing communicates with a water supply line, two interconnected valve means in the casing, one of which is operable to put the beer line into communication with the keg, and the other of which is operable to put the beer line into communication with the water supply line, a lever that rocks about a fulcrum on the valve casing, and an operative connection between the lever and the valve means for shifting the valve means into position to put the water supply line conduit in communication with the conduit that connects the valve casing



with the keg while still leaving the valve means in a position to supply water from the water supply line to the beer line.

2,458,231
COOLING SYSTEM FOR CAR WHEEL AXLES
Wesley D. Weeks, Phillips, Tex.
Application August 30, 1944, Serial No. 551,970
5 Claims. (Cl. 308—77)



1. A cooling system for railway rolling stock comprising a pair of wheels, a tubular axle connecting said wheels and having end portions projecting beyond each of the wheels, a coolant conveyor pipe extending through said axle and therebeyond, and means whereby a cooling medium is gravity fed to and passed through said pipe from one end and pumped therefrom from the opposite end, said means embodying packing boxes on the ends of said pipe and swivel pipe connections extending from said boxes, a coolant feed pipe line communicating with the connection on one end of the pipe, a coolant withdrawal pipe line communicating with the other swivel connection, a pump with which the last line is connected, a radiator with which both lines are connected, said radiator being mounted for use on a plane above said feed line and providing said gravity feed.

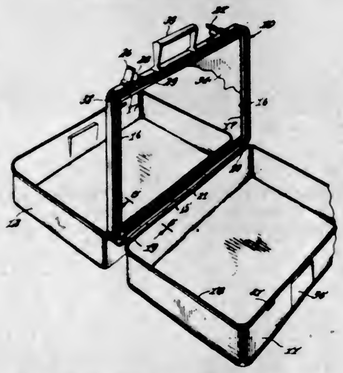
2,458,232
SOLDERING FLUX
Albert L. Wells, Atlanta, Ga.
No Drawing. Application June 17, 1948, Serial No. 33,661
2 Claims. (Cl. 148—23)

1. A flux composition consisting essentially of the following components in substantially the proportions stated:

Zinc chloride	pounds	2
Ammonium chloride	do	1
Stannic chloride	do	½
Cadmium chloride	do	¼
Lead chloride	ounce	¾
Methyl salicylate	do	1

Water sufficient to make one gallon of solution.

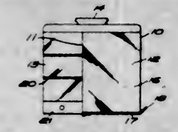
2,458,233
METAL SUITCASE
Robert B. Wemyss, Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application January 29, 1947, Serial No. 725,136
2 Claims. (Cl. 190—19)



1. A metallic suitcase comprising two case members and a connecting backbone therefor formed of a unitary metallic member of relatively narrow width and having connected outer and inner walls which are spaced to provide oppositely directed channelways for receiving the margins of the case members, said channelways merging into an inwardly directed rib adapted for the attachment of a pocket-holding division between the two case members when the suitcase is closed, and latching members carried by the backbone for holding the two case members.

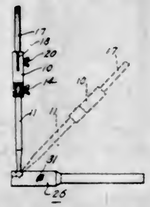
2,458,234
COIN COLLECTOR SELECTIVE APPARATUS
Granville M. Wilcox, Lincoln, and Max L. Grant, Providence, R. I.; said Wilcox assignor to said Grant
Application February 22, 1944, Serial No. 523,456
4 Claims. (Cl. 232—12)

1. A coin collector having a main coin receptacle, an auxiliary coin receiver, and a coin deposit portion, said deposit portion comprising a movable coin guide normally in position to guide a deposited coin to the main coin receptacle and movable to a second position to guide the deposited coin to the auxiliary coin receiver, means in said deposit portion engaging said coin guide and urging the coin guide to move to its second position, releasable means normally holding said urging means inoperative, and cooperating means in the deposit portion and the movable coin guide



interlocking upon completion of movement of the coin guide to its second position to prevent return movement of the coin guide to its first position.

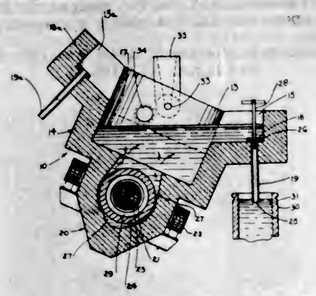
2,458,235
UMBRELLA HOLDER
Joe I. Williams, Sterling City, Tex.
Application August 12, 1947, Serial No. 768,183
2 Claims. (Cl. 248—42)



1. A device of the character described, comprising a sleeve, said sleeve being centrally apertured to receive the stem of an umbrella, the said sleeve being slotted to accommodate different sizes of stems, adjustable means for securing the stem in the sleeve, a shank, said sleeve being bifurcated to receive the upper extremity of the shank, a pivot pin passed through the upper portion of the shank and the furcations of the sleeve, means for adjustably controlling the friction between the contacting portions of the sleeve and the shank, a ball tip at the lower extremity of the shank, said ball being provided with an annular ear at right angle to the path of pivoting of the sleeve with respect to the shank, an arm adapted to receive the ball and the ear to permit movement between the shank and the arm, and means for controlling the frictional engagement of the shank and the arm.

2,458,236
CONTINUOUS POURING FURNACE
Edward L. Wolff, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 7, 1944, Serial No. 567,022
2 Claims. (Cl. 263—12)

1. A casting furnace; a plurality of channel members connected to the side of said furnace; said channel members being substantially regularly spaced around said furnace; said channel members each having a passage communicating with the interior of said furnace; each channel member extending substantially radially from the side of said furnace; the base of each channel member forming a hearth; an opening in each hearth; a spout mounted in each opening and extending beneath the hearth; means for tilting said furnace; molten metal flowing from the interior of said furnace into one of the channel members and over the hearth thereof when the furnace is tilted; and means for rotating said furnace to predetermine the particular channel



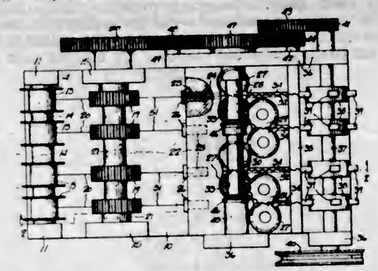
member into which the molten metal will flow when the furnace is tilted.

2,458,237
SHORT-CIRCUITED WINDING
Helge Arnemo, Vasteras, Sweden, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Original application September 23, 1942, Serial No. 459,415. Divided and this application February 21, 1948, Serial No. 9,976. In Sweden October 19, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 19, 1960
1 Claim. (Cl. 172—120)

A device of the class described comprising in combination, a squirrel cage rotor having slots for the reception of winding bars, winding bars in said slots, respectively, and projecting beyond the ends of the rotor, means securing each bar, to the rotor, such means being intermediate the ends of the slot occupied by that bar and permitting unhampered flexing movements of the bar in a plane passing through the axis of the rotor, a short circuiting ring at each end of the rotor and concentric therewith, said rings having notches for the reception of the ends of the winding bars, that portion of the end of each winding bar which is disposed in the plane of the associated short circuiting ring being divided so as to constitute two parts spaced apart circumferentially of the ring, and means securing each such part independently to the associated ring, the arrangement being such that expansion and contraction of the rings results in relative movements of the parts of the winding bar ends circumferentially of the rings without straining the means securing these parts to the rings.

2,458,238
MEANS FOR MAKING PACKING MATERIAL FOR CHEMICAL APPARATUS
George B. Bailey and Otto Ziegler, Michigan City, Ind., assignors to The Hays Corporation, Michigan City, Ind., a corporation of Indiana
Application May 24, 1945, Serial No. 595,526
11 Claims. (Cl. 140—105)

1. A wire working device comprising a frame, means for journaling a wire reel on said frame, means for successively crimping a wire sinuously in two different planes, said crimping means serving to advance said wire, means for guiding said wire, and means operating in timed relation



to said last acting crimping means for shearing said crimped wire in uniform lengths, said guide means including a narrow guide passage between said crimping means.

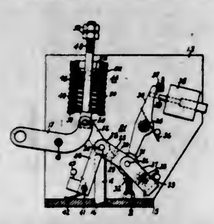
2,458,239
SUPPORT FOR FOWL OR THE LIKE
Edward T. Bartlett, Philadelphia, Pa.
Application October 17, 1946, Serial No. 703,894
2 Claims. (Cl. 99—419)

1. A support for fowl or the like comprising a base having a central elongated horizontal portion of non-circular cross-section, said base having a pair of vertical portions extending downward from the ends of said central portion, one of said vertical portions being provided with a portion having a reduced-diameter circular cross-section, and a plurality of impaling prongs slidably mounted upon said base, said prongs having non-circular openings formed therein, whereby said prongs can be positioned in non-rotating relationship relative to the non-circular portion of said base and whereby said prongs can be positioned in rotatable relationship to the reduced-diameter circular portion of said base.

2,458,240
OPERATING MECHANISM FOR ELECTRIC CIRCUIT BREAKERS
Ralph J. Baskerville, Merwood Park, Pa., assignor to General Electric Company, a corporation of New York
Application December 9, 1944, Serial No. 567,468
3 Claims. (Cl. 200—166)

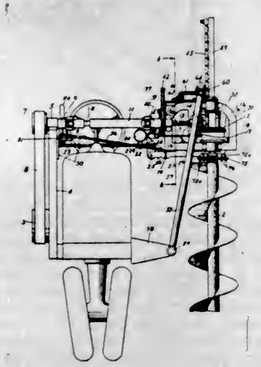
1. An arrangement for imparting opening force to a pivotally mounted main operating member

of an electric circuit breaker to open said circuit breaker and for arresting the opening operation of said circuit breaker comprising a pivotally mounted yoke member, a rod pivotally connected to said main operating member and slidable through an opening in said yoke member, spring means interposed between said yoke member and said main operating member for biasing said cir-



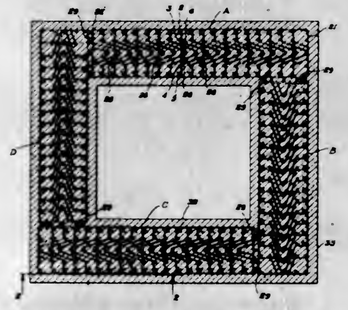
cuit breaker to the open position, said yoke member being movable about its pivotal support in such a way that the bias of said spring means is effective throughout the opening operation of said circuit breaker, cushioning material mounted on said yoke member, and a projection on said rod for engaging said cushioning material near the end of the opening operation of said circuit breaker.

2,458,241
POSTHOLE DIGGER
Lester E. Beck, Danville, Iowa
Application July 31, 1944, Serial No. 547,432
4 Claims. (Cl. 255—22)



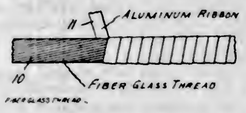
1. In a digger of the type indicated, means for adjustably mounting a vertically reciprocating auger upon the side of a tractor, an auger carried by said mounting means, and means for raising and lowering said auger, the last mentioned means including a chain secured to the auger, a sprocket carried by the supporting means and engaging the chain for moving the auger lengthwise, and operating means for rotating the sprocket, the operating means for the sprocket comprising a lever pivotally mounted at one end, carrying a pair of spaced pawls pivotally connected to the lever intermediate its ends, a ratchet fixedly connected to the sprocket, and mechanism for pivotally oscillating the lever about its end pivot in a vertical direction, with one of the pawls in engagement with the ratchet.

2,458,242
VAULT WALL CONSTRUCTION
Palmer Bescherer, York, Pa., assignor to Diebold, Incorporated, Canton, Ohio, a corporation of Ohio
Application September 27, 1946, Serial No. 699,770
20 Claims. (Cl. 109—83)



1. In a vault structure, a concrete wall, and a reinforcing structure embedded in said concrete wall including a plurality of A-frame members, each A-frame member comprising generally A-shaped cross rod members and spaced apart longitudinal rod members, said cross rod members being connected at spaced intervals with said longitudinal rod members, and means on the cross rod members of one A-frame member engaging certain longitudinal rods of the next adjacent A-frame member when a plurality of A-frame members are nested together to form said reinforcing structure.

2,458,243
ALUMINUM COVERED GLASS THREAD
Arthur Biddle, Richmond, Va., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application August 2, 1946, Serial No. 687,990
17 Claims. (Cl. 57—140)

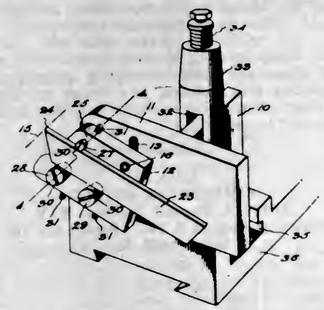


1. A composite thread comprising a central filamentary core of glass and a narrow strip of metal wound around the central core in the form of a spiral.

2,458,244
CUTTING TOOL
Hermann F. Bohl, Palisade, N. J.
Application June 18, 1943, Serial No. 491,362
8 Claims. (Cl. 29—98)

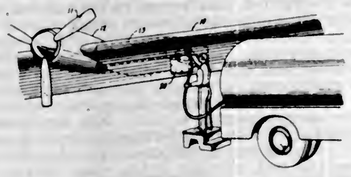
1. A cutting tool of the kind described comprising a T-shaped support including a stem adapted for connection with the tool post of a conventional lathe and a transverse member fixed on said stem, said transverse member being provided with curved slots having the lathe center as a center, a blade-holder located in surface engagement with said transverse member, mounting means co-operating with said slots for pivotally mounting said blade-holder on said transverse member and for fixing said blade-

holder in place thereon, studs rotatably mounted on said blade-holder in three-point relation to each other, eccentric heads carried by said studs and projecting outwardly beyond said blade-holder to provide three-point clamping supports, and a cutting blade engaged on its opposite longi-



tudinal edges by said eccentric heads and clamped in place thereby on said blade-holder, one of said mounting means including an eccentric device whereby said blade-holder is adjusted relatively to said transverse member to selectively raise and lower the cutting edge of said cutting blade.

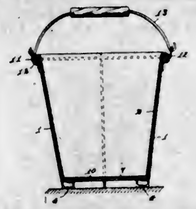
2,458,245
UNDERWING FUELING SYSTEM
Lawrence J. Bordelon, San Diego, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application January 20, 1947, Serial No. 723,183
9 Claims. (Cl. 244—135)



1. In an aerial vehicle having a wing, a tank for the storage of fuel located in the wing, said wing having an access opening located in the under surface thereof juxtaposed to one side of said tank and fuel reception means communicating with the interior of said wing and mounted on said tank adapted to be accessible from said access opening for fueling said tank from below said wing.

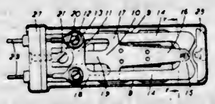
2,458,246
CONTAINER
Gilbert Brereton, Toronto, Ontario, Canada
Application May 31, 1945, Serial No. 596,855
4 Claims. (Cl. 220—84)

1. A receptacle comprising a bottom and a surrounding wall, a supporting frame for said receptacle comprising an annular member around which the top edge of the wall of the receptacle is adapted to be rolled, circumferentially arranged spaced vertical members depending from said annular member and at points equi-distant from their lower ends being turned inwardly to provide feet and then being turned upwardly and then outwardly and terminating with their ends equi-distant from the vertical portions of said members, and a ring embracing said outwardly turned portions and



secured to the ends thereof in spaced relation to said vertical members and providing a support for the bottom of the receptacle positioned on a higher plane than said feet, and means integral with the wall of said receptacle extending inwardly parallel with said bottom below said ring and holding said bottom into engagement with said ring.

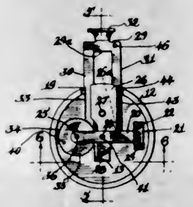
2,458,247
ELECTROMAGNETIC RELAY
Ernest Alfred Bryan, Bexley, England, assignor to Siemens Brothers & Co. Limited, London, England, a British company
Application February 5, 1945, Serial No. 576,283
In Great Britain October 8, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 8, 1963
1 Claim. (Cl. 175—336)



In an electromagnetic relay, a U-shaped core having two pole faces, a spring having an armature portion and right and left branches extending therefrom, means located at a distance from said armature portion for fixedly supporting the outer ends of said right and left branches to position said armature portion above and clear of both said pole faces, said right and left branches sufficiently long to permit ready flexing of said right and left branches between said supporting means and said armature portion, an elongated armature secured to said armature portion adjacent to but clear of both said pole faces, a third branch intermediate said right and left branches extending from said armature portion beyond said supporting means of said right and left branches, means engaging the outer end of said intermediate branch for tensioning said intermediate branch to downwardly flex said right and left branches, said downwardly flexed right and left branches cooperating with said tensioned intermediate branch for exerting pressure downwardly on said armature portion in the immediate area where said right, left and intermediate branches merge with said armature portion, thereby to force one end of said armature down on and in contact with one of said pole faces, said contacting of said one end of said armature with said one pole face pivoting said arma-

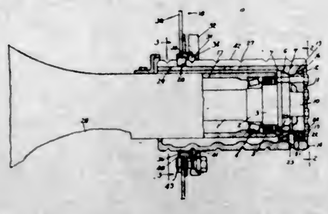
ture with respect to said other pole face thereby to provide a small air gap between the other end of said armature and said other pole face.

2,458,248
HAND DRIVEN DEVICE
Ramon Bujan, New York, N. Y.
Application July 26, 1946, Serial No. 686,496
2 Claims. (Cl. 74—130)



1. In a hand-driven device, a frame comprising a casing, a bottom wall therefor provided with an integral guide ridge, a hand-actuated rack member slidably engaging said bottom wall and the side walls of said ridge to be guided thereby, a side wall, connected to the casing penetrated by said rack member, a top bearing plate for said rack member secured to the casing bottom wall and the ridge thereof, a bracket secured to said casing bottom wall and extending at an angle to the guide ridge and elevated therefrom, a central rotatable shaft projecting above the casing and mounted between the bracket and the casing bottom wall and journalled in the guide ridge thereof, a second rotatable shaft mounted between the bracket and the casing bottom wall, gear and pinion means on and operatively connecting said shafts, ratchet means on one of the shafts, a cover member for said casing penetrated by the central shaft, spring means between the rack and a stationary portion of the frame to normally maintain the rack in outermost extended position beyond the casing side wall, the downward movement of the said rack actuating the gear and pinion means to cause rotation of the central shaft and the return upward movement of said rack being operative on the ratchet means rendering the central shaft stationary.

2,458,249
ADJUSTABLE WHEEL AND AXLE ASSEMBLY
Ernest V. Bunting, Dearborn, Mich., assignor to Harry Ferguson, Inc., Dearborn, Mich., a corporation of Delaware
Application November 13, 1944, Serial No. 563,247
18 Claims. (Cl. 301—9)



1. An adjustable wheel and axle assembly, having in combination an axle provided with a wheel support, a wheel and means for clamping the wheel upon the support with considerable clearance, the said wheel upon release of the clamping means dropping down upon the top of the wheel support to give increased clearance below the wheel support, whereby the wheel may be tipped and then turned with the axle to "hitch" or "walk" the wheel to a new position on the wheel support where the clamping means may again clamp the wheel in place, the said clamping means comprising split ring means to seat the wheel upon the support and a clamping ring for forcing and holding the wheel on the said split ring means in concentric position and perpendicular to said axle.

2,458,250
SHOESHINE SHIELD
Alfred A. Caputi, Buffalo, N. Y.
Application August 9, 1947, Serial No. 767,701
1 Claim. (Cl. 36—70)

A shoe shine shield comprising a split generally elliptically curved one piece body of thin flexible material of substantially uniform thickness throughout and formed to normally assume a shape in which the adjacent edges thereof providing said split are relatively widely spaced apart, said body including a sleeve section flared upwardly and outwardly relative to the vertical and adapted to surround a portion of the limb of the wearer immediately above the shoe, said sleeve section having a lower edge conformably curved to follow the conventional curvature of the upper edge of the upper structure of a shoe defining the foot opening of the shoe, and an integral flange of substantially uniform width extending downwardly and outwardly from said lower edge of said sleeve section and extending continuously therearound, the inclination of said flange relative to the vertical being normally greater than the inclination of said sleeve section and being normally greater than the inclination of said upper structure of the shoe adjacent said foot opening thereof, the juncture between said sleeve section and flange providing a relatively flat but sharply apexed V-shaped indentation in the exterior of said body, said flange being adapted to be inserted substantially its full width between the shoe and foot of the wearer thereof so that the apex of said V-shaped indentation is adjacent said upper edge of the shoe and with said body contracted to narrow the space between said adjacent edges thereof and with said flange forced to assume a greater vertical inclination thus causing said sleeve section to incline farther from the vertical whereby said flange is biased outwardly firmly against the inside of said upper structure of the shoe.

2,458,251
SOLID ELECTRIC HEATING PLATE
Etienne Challet, Paris, France, assignor to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland, a company of Switzerland
Application October 28, 1937, Serial No. 171,576
In Switzerland January 13, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires January 13, 1957
3 Claims. (Cl. 219—37)

1. An integral electrically heated plate comprising heating units and an integral metallic

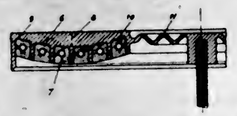
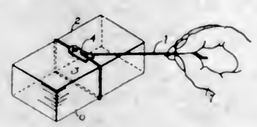


plate supporting said units, said plate having a thickness gradually increasing from the periphery inwardly and from the center outwardly towards a concentric zone intermediate said periphery and center so that a uniform heating throughout said plate may take place.

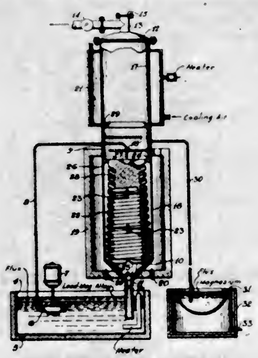
2,458,252
SECURING DEVICE
Lloyd N. Chatterton, Cleveland, Ohio
Application January 20, 1944, Serial No. 518,935
3 Claims. (Cl. 24—18)



1. A tying device for use with a flexible filament comprising a flat tag having a perforation through which a filament may be passed, the tag being formed to define a notch extending inwardly from one side of the tag at an intermediate point and a notch having tapered sides at the edge of the tag remote from said perforation, the inner end of the first mentioned notch being substantially in alignment with and between the perforation and the second mentioned notch.

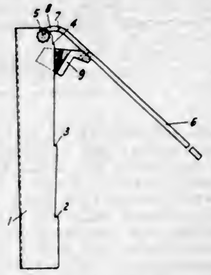
2,458,253
APPARATUS FOR METALS DISTILLATION
Douglas S. Chisholm and Thomas Griswold, Jr., Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
Application May 30, 1945, Serial No. 596,710
2 Claims. (Cl. 266—19)

1. In a still for the vacuum distillation of a volatile metal from a molten alloy thereof: a vertical elongated thermally-conductive closed still body having therein a vaporizing zone and a condensing zone in communication with each other, means for evacuating the still body, means for cooling the condensing zone, a furnace surrounding the still body at the vaporizing zone for raising the latter to a distilling temperature by heat applied externally to the still body, a conical pillar mounted axially in the still body within the vaporizing zone and having formed in the outer surface thereof a shallow open spiral trough extending in a continuous downward slope from the upper to the lower part of the zone, means for introducing the alloy to be distilled into the upper part of the trough and for collecting residual



alloy flowing from the bottom of the trough, and means for withdrawing condensate from the condenser.

2,458,254
CAN OPENER
Fred B. Cole, San Anselmo, Calif.
Application April 24, 1947, Serial No. 743,615
3 Claims. (Cl. 30—10)

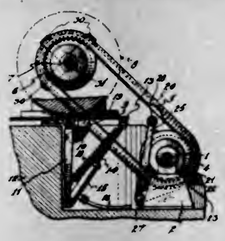


1. A can opener of the type indicated comprising a channel-shaped body member having spaced notches along the front longitudinal edges thereof, a handle pivotally mounted between opposite sides of the channel adjacent one end of the body member, and a can-perforating wedge-shaped member mounted on the handle in a position to cut into the end of the can adjacent the handle pivot when the handle is turned toward the body, the handle being foldable against the front edges of the body member to occupy a minimum of space.

2,458,255
RELEASING MECHANISM FOR POWER TAKE-OFFS
Kibbey W. Couse, Newark, N. J.
Application July 4, 1945, Serial No. 603,139
8 Claims. (Cl. 74—242.8)

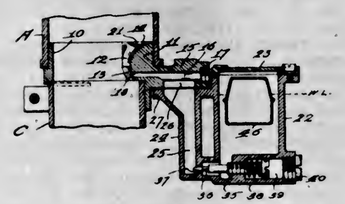
1. A releasing mechanism for a power take-off including driving and driven pulleys with supports therefor and belt means for running over the pulleys, a guard outside the belt, means for

shifting the guard longitudinally of its length and means connected to the guard for acting on the belt without shifting the position of the driv-



ing pulley for changing the tension of the belt means between the said pulleys.

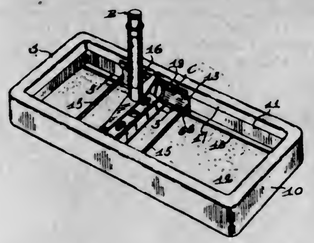
2,458,256
WATER CARBURETOR
Harold E. Crosier and Albert G. H. Vanderpoel, Los Angeles, Calif.
Application May 14, 1946, Serial No. 669,515
5 Claims. (Cl. 261—18)



1. A device for humidifying an air stream to be taken by an engine, comprising a tubular member forming a substantial cylindrical air passage and having in vertical axial position a bottom portion for attachment to the inlet end of a carburetor, said member having an internal projection extending within said passage from one side only thereof and leaving the major portion of the passage unobstructed, and an external projection directly adjacent said internal projection, there being in said projections a water passage extending into said member and said internal projection having a substantially Venturi-shaped surface extending axially and inwardly of the member so that the air flow along said surface induces water flow through said water passage into the member in accordance with the rate of air flow therethrough, and a water supply float chamber detachably secured to the underside of said external projection, said chamber containing beneath said external projection a riser passage through which water is taken upwardly into said water passage.

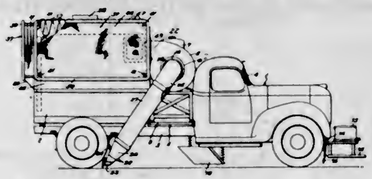
2,458,257
SAFETY RAZOR AND BLADE SHARPENER
Albert E. Donovan, Laniel, Quebec, Canada
Application June 25, 1946, Serial No. 679,036
5 Claims. (Cl. 51—158)

1. A device of the character described comprising, in combination, a casing having an abrading element therein, a carriage frictionally-slidable longitudinally in said casing, a blade holder adapted to grip a blade pivotally, said holder removably insertable into said carriage whereby the edges of said blade are disposed transverse the casing, and means on the carriage for auto-



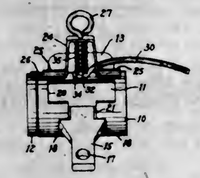
matically rocking the blade to bring alternate edges thereof into contact with said element when the carriage is reciprocated longitudinally.

2,458,258
SUCTION-TYPE STREET SWEEPER
William R. Furr, Washington, D. C.
Application September 15, 1943, Serial No. 502,517
1 Claim. (Cl. 15—340)



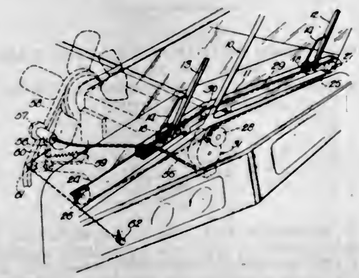
A street cleaner unit for removable mounting on a dump truck having a chassis frame supporting a cab and a dump body, which unit comprises, in combination, a support for removable mounting on the chassis frame between the cab and dump body, an open bottom collector housing for removable mounting on said dump body, a source of power mounted on said support transversely of the chassis frame, a centrifugal suction fan casing mounted on said support in alignment with said source of power, a fan in said casing connected to the drive shaft of said source of power to be driven thereby, an outlet peripherally of said fan casing and opening into said collector housing, an inlet axially of said fan casing, a universal pipe connection surrounding said inlet and secured to said casing, an elbow pipe secured at one end to said universal connection and with its other end extending downwardly in spaced relation to said casing to be beyond the side of the truck, a straight section of pipe secured at one end to the downward end of said elbow to be positioned downwardly alongside the truck, a nozzle member secured at the lower end of said straight pipe section and extending substantially at right angles thereto for positioning beneath the truck, said nozzle member having a nozzle opening extending longitudinally along the bottom thereof, from a point outside the adjacent truck wheels to a point inside the opposite truck wheels, and chains secured to the top of said nozzle member for adjustable attachment to the underside of the truck chassis.

2,458,259
TRACTOR COUPLER
Samuel W. Gordon, Canal Fulton, Ohio, assignor of one-half to Marvin J. Gordon, Sr., Canal Fulton, Ohio
Application February 27, 1947, Serial No. 731,180
7 Claims. (Cl. 280—33.15)



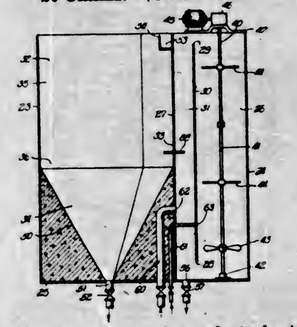
5. A coupler for detachably connecting a towing vehicle to a towed vehicle, including an outer sleeve having a yoke on one side adapted for pivotal connection with one of said vehicles, said outer sleeve having a T slot in its opposite side, an inner sleeve axially rotatable in said outer sleeve, said inner sleeve having a longitudinal slot for registering with the top longitudinal portion of said T slot, a T-shaped coupler bar adapted for pivotal connection with said other vehicle, the cross head of said bar being insertable in substantially horizontal position through said registering longitudinal slots and the stem being adapted to extend horizontally through the lower portion of said T slot when said slots are not in register, and a spring-pressed latch bar mounted on said outer sleeve for engaging and locking said sleeves together with said slots out of register.

2,458,260
WINDSHIELD WIPER MECHANISM
Ralph B. Gray, Chicago, Ill.
Application October 4, 1943, Serial No. 504,865
3 Claims. (Cl. 74—321)



1. A reversible winding means for a flexible member comprising a rotatable winding drum for said flexible member, a rotatable shaft on which said drum is fixed for rotation therewith, a driven gear on said shaft, a laterally shiftable driving gear meshing with said driven gear for operating the latter, and means for operating said driving gear alternately in opposite directions for effecting reversal of the direction of rotary movement of said drum comprising a uni-directionally operated pinion, a pair of connected laterally shiftable ring gears disposed on opposite sides of said pinion and secured to said driving gear, and means for effecting the lateral shifting of said ring gears for moving the same alternately into driven engagement with said pinion.

2,458,261
PROCESS AND APPARATUS FOR EFFECTING CHEMICAL REACTIONS
Walter H. Green, Geneva Township, Kane County, Ill., George A. McBride, Grosse Pointe, Mich., and George A. Hertzing, Los Angeles, Calif., assignors to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
Application April 26, 1947, Serial No. 744,289
20 Claims. (Cl. 23—201)

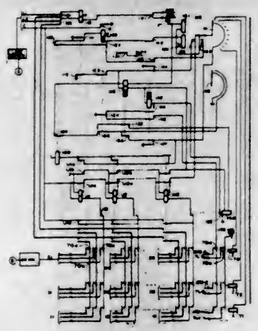


1. In the formation of a relatively insoluble precipitate from chemical solutions of such strength that conditions are unfavorable for the precipitation of particles of coarse size, the process which comprises the steps of retaining in the treating system a volume of already treated solution in amount bearing a predetermined ratio to the rate of entry of new solution, maintaining a circulation of said retained solution through a confined cyclic path, delivering new solution into the circulating solution at one point in its path and precipitating reagent at another point thereof, said points being so spaced apart that at least one of the introduced materials will be mixed with and diluted by the already treated solution before contacting and reacting with the other material, continuously diverting from the circulating solution a flow thereof substantially in excess of the rate of entry of new solution and passing said diverted flow laterally across a central elevation of a clarification compartment at a velocity sufficiently low to permit larger and heavier particles formed as a result of the precipitating action to deposit therefrom and sufficiently high to retain smaller and lighter particles in suspension, withdrawing said heavier and larger particles from below said diverted flow, withdrawing a portion of said flow as clarified barren solvent from above said diverted flow and discharging such portion to disposal, and returning the remaining part of said diverted flow, after passing laterally across said central elevation of said clarification compartment and carrying smaller and lighter particles, into the circulating flow whereby the returned liquid again acts as diluent and the smaller and lighter particles grow.

2,458,262
RELAY SELECTOR CIRCUIT ARRANGED TO SIMULTANEOUSLY TEST A SELECTED GROUP OF TRUNKS
Harlan E. Grimes, Bromley, Ludlow Station, Ky., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application January 30, 1946, Serial No. 644,339
11 Claims. (Cl. 179—18)

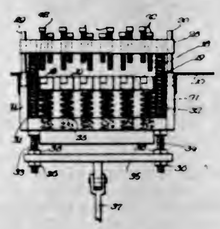
1. In a telephone system, a calling line, a plurality of groups of trunks each including a test

conductor for marking them busy or idle, a plurality of group selecting relays, a plurality of individual selecting relays, means for selectively operating said group selecting relays in accordance with digital impulses received over the calling line, each of said group selecting relays



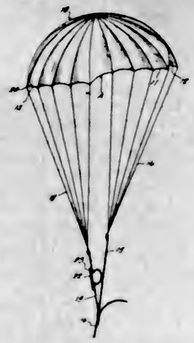
operative to extend the test conductors of a corresponding group of said trunks to said individual selecting relays, said individual selecting relays operative to test all of the trunks in the group extended thereto simultaneously and to extend said calling line to an idle one thereof.

2,458,263
STRING MUSICAL INSTRUMENT WITH CHORD TUNING MECHANISM
J. D. Harlin, Indianapolis, Ind., assignor to Harlin Brothers, Indianapolis, Ind., a partnership
Application August 21, 1947, Serial No. 769,922
13 Claims. (Cl. 84—312)



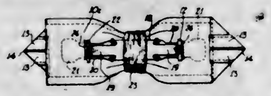
1. The combination in a musical instrument, of a group of laterally spaced strings, means for anchoring each of said strings at one end of the group, a plurality of rocker members, one for each of said strings individually, each of said rocker members being attached to its individual string and effective upon being rocked in one direction to increase the tension of its string and, upon being rocked in the opposite direction, to slacken the tension of its string, a crossbar associated with said rocker members conjointly, and means including a plurality of pairs of actuating screws for actuating said rocker members in response to a movement of said crossbar, said pairs of screws being individually associated with said rocker members, one screw of each pair being effective, when suitably adjusted, to cause a movement of its associated rocker member in a direction to increase the tension of its attached string, the other screw of each pair being effective, when suitably adjusted, to cause a movement of its associated rocker member in a direction to slacken the tension of its attached string.

2,458,264
PARACHUTE
Richard H. Hart, New Orleans, La.
Application May 25, 1945, Serial No. 595,778
10 Claims. (Cl. 244—142)



1. A parachute including a canopy and suspension means, the canopy having a non-central vent therein, said suspension means being gathered into a plurality of groups, and adjustable means for shortening only a group of said suspension means upon the side of said canopy opposite to said vent after inflation of the canopy; said suspension means on the side of said vent remaining constant at all times.

2,458,265
BOW TIE AND METHOD OF MAKING SAME
Sol Head, New York, N. Y.
Application July 14, 1947, Serial No. 760,785
4 Claims. (Cl. 2—154)



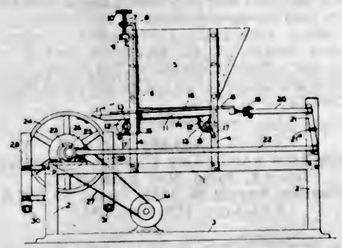
1. A decorative bow removably securable to women's garments, said bow comprising an elongated strip of material folded at each end to define an outer layer, an intermediate layer and an inner layer, said bow being doubled over about its longitudinal axis at approximately the midpoint thereof, a wire staple passing completely through said doubled over layers closely adjacent the bight thereof to partially shape said bow, a clip including a pair of oppositely extending fastening elements, additional wire staples extending transversely of said bow and located remote from said first-mentioned wire staple and slidably engaging said fastening elements against the inner layer of said bow and a tie-piece extending centrally around said bow and said clip.

2. A decorative bow removably securable to women's garments, said bow comprising an elongated strip of material folded at each end to define an outer layer, an intermediate layer and an inner layer, said bow being doubled over about its longitudinal axis at approximately the midpoint thereof, a wire staple passing completely through said doubled over layers closely adjacent the bight thereof to partially shape said bow, a clip including a pair of oppositely extending fastening elements, each of said elements having an enlarged terminal portion, a substantially vertical slit disposed near each end of said inner layer, each terminal portion of a respective fastening element being inserted within a respective slit for concealment between said inner layer and said intermediate layer, an additional wire staple slidably engaging each fastening element against the inner layer of said bow and a tie-piece extending centrally around said bow adjacent a respective slit and said clip.

2,458,266
PROCESS FOR MAKING ETHYLENE OXIDE
Rudolph L. Heider and Carlyle J. Stehman, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 9, 1945, Serial No. 577,153
13 Claims. (Cl. 260—348.5)

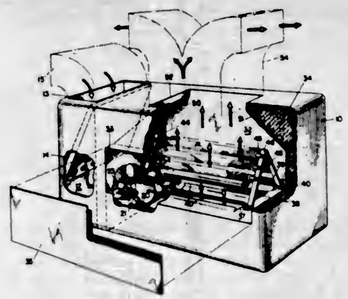
1. The process for making ethylene oxide by the direct chemical combination of ethylene and oxygen on a silver catalyst, which comprises passing ethylene and oxygen-containing gases at temperatures between 225° C. and 350° C. over a silver catalyst supported upon a carrier consisting essentially of a mixture of crystalline alpha silica and alpha-alumina, the alumina comprising from 2% to 15% by weight of said carrier.

2,458,267
ROTATING CYLINDER TYPE OF BEAN CLEANING MACHINES
James Wallace Henry, Gooding, Idaho
Application September 21, 1945, Serial No. 617,833
2 Claims. (Cl. 209—113)



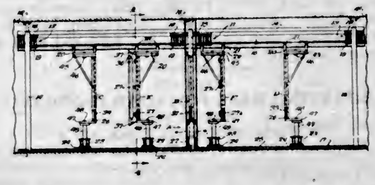
1. In combination, an open bottom hopper provided with a frontal discharge opening adjacent its bottom, a tiltable substantially horizontal floor provided with a frontal ledge, a reciprocatory, superimposed plate adapted to move the contents of the hopper forwardly over said ledge, a rotary cylinder provided with a highly polished surface and positioned longitudinally adjacent the ledge of said floor but separated therefrom by a transverse gap and positioned vertically so that the upper surface of its periphery is above said ledge, a motor adapted to rotate the cylinder at a high rate of speed in a direction away from the hopper, a vertically adjustable gate adapted to regulate the flow of matter through the discharge opening of the hopper and means for reciprocating said superimposed plate to feed material from the hopper on to the cylinder.

2,458,268
FORCED CIRCULATION ELECTRICALLY HEATED SPACE HEATER
John M. Hinds, Seattle, Wash., assignor to Northeast Electric & Engineering, Seattle, Wash.
Application February 5, 1946, Serial No. 645,512
4 Claims. (Cl. 219—39)



1. A heat-transfer mechanism, comprising: a sheet metal deck having upwardly flanged slots, means forming an adit chamber below said deck, means forming a heater chamber above said deck, prismatically arranged elongated electric heater bars in said chamber above the deck in alignment with the longitudinal axis of the slots, means forming a filter chamber adjacent and juxtaposed to said adit and heater chambers, an elongated horizontal thimble between said filter and adit chambers forming an air conduit, means to conduct air downward to said filter chamber, and means to conduct air upward and away from said heater chamber, said heater chamber having a reduced horizontal cross-section from below upward.

2,458,269
REPRODUCING CAMERA
William C. Huebner, New York, N. Y.
Application October 8, 1945, Serial No. 620,883
2 Claims. (Cl. 88—24)

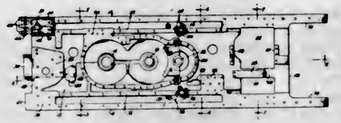


1. Reproduction photographic apparatus including an overhead guide, a lower guide, upper and lower carriages adjustable along said guides, the lower carriages including tensioning means, cooperating lens, copy and sensitized surface carrying frames located between said upper and lower carriages, a pivot on each of said upper carriages for rotatably supporting one of said frames for rotational movement through one hundred and eighty degrees while under tension from the tensioning means associated with said carriages, whereby to enable said frames to be rotated face-to-face, face-to-back and back-to-back positions so that copy, lens and sensitized surfaces may be supported in positions which will enable extreme reduction and enlargement of images.

2,458,270
GAS CONTROLLER FOR WELL PUMPS
Granville A. Humason, Houston, Tex.
Application August 25, 1945, Serial No. 612,657
2 Claims. (Cl. 102—5)

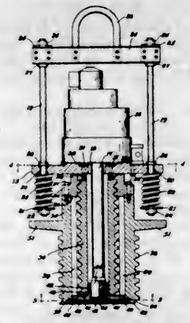
1. Production equipment for wells comprising, a casing in a well having a casing head thereon, a pump tubing in the casing, a tubing head on the casing head to which the upper end of the tubing is connected, a pump on the lower end of the tubing adapted to pump well liquid through the tubing, a pump rod in the tubing adapted to operate the pump from the ground surface, a seal above the pump between the tubing and casing, tubular valve cages forming couplings in the tubing one above and the other beneath said seal, each coupling having an inside downwardly facing seat and having ducts leading upwardly therethrough from said seats, downwardly opening valves in the couplings for controlling said ducts, yieldable members normally holding the valves closed, there being passageways leading inwardly through the wall of the tubing within said couplings whereby fluid passing through said ducts may enter the tubing, tubes anchored to the upper ends of the respective couplings in communication with said ducts, valve cages on the upper ends of said tubes having inlet passageways, downwardly opening valves controlling said inlet passageways and a seal around said rod and between it and the tubing head.

2,458,271
ROTATING BASE FOR LOAD HANDLING MACHINES
William M. Huston, Lima, Ohio
Application July 5, 1945, Serial No. 603,382
13 Claims. (Cl. 212—59)



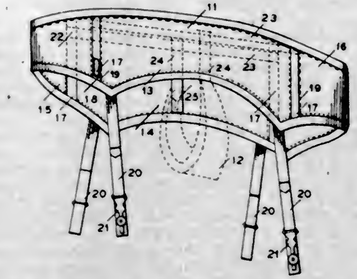
13. For a crawler type load handling machine, a rotating base structure comprising a pair of primary structural elements extending longitudinally of the base in transversely spaced parallel relation, boom pivot mountings carried by the longitudinal elements adjacent the front ends thereof, longitudinally spaced transversely extending structural elements interbracing the longitudinal elements toward the rear end thereof, an interbrace extending longitudinally of the base and inter-connecting said transverse elements, the longitudinal and transverse elements and the interbrace cooperating to define a pair of pockets in the base structure toward the rear end thereof for receiving and mounting a pair of boom hoist drums, and a pad on one of the pocket defining members adapted to carry a bearing support for a power shaft from which power is transmissible to the boom hoist drums.

2,458,272
ELECTRODE SPLICING DEVICE
Robert R. Jones, Akron, Ohio, assignor to Ohio Ferro Alloys Corporation, Canton, Ohio, a corporation of Ohio
Application July 27, 1946, Serial No. 686,706
11 Claims. (Cl. 13—14)



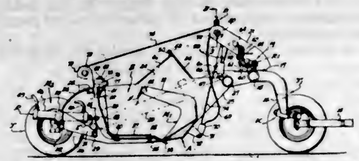
1. An electrode splicing device for splicing electrode sections having threaded sockets in their ends, said splicing device comprising a reversing motor, a drive shaft upon the motor, a tubular feed screw surrounding the drive shaft and fixed relative to the motor, a feed nut threaded upon the feed screw, a tubular plug surrounding the feed screw and fixed to the feed nut, said plug being externally threaded to engage a threaded socket of an electrode section, and means operatively connecting the drive shaft to said plug throughout the entire travel of the feed nut upon the feed screw.

2,458,273
WOMAN'S SANITARY UNDERGARMENT
Joyce L. Jurin, New York, N. Y.
Application August 30, 1947, Serial No. 771,516
6 Claims. (Cl. 128—291)



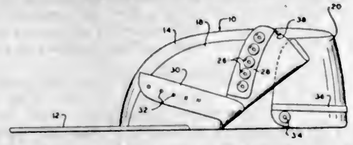
1. A garter belt and sanitary napkin support comprising a front panel, a rear panel and two side panels, secured to each other at their adjacent edges to form a garment, transverse stiffening members positioned at the junction of said panels, a front elastic band and a rear elastic band positioned along the inner surfaces of the front and rear panels respectively and secured at their ends to adjacent stiffening members, napkin supporting means secured to said bands.

2,458,274
CARRYING SCRAPER
Harald D. Kads, Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc., a corporation of Delaware
Application June 18, 1945, Serial No. 600,087
4 Claims. (Cl. 37—126)



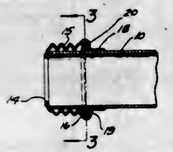
1. In a carrying scraper: a frame; a bowl mounted thereon for movement to loading and carrying positions, said bowl having relatively fixed sides, and hinged bottom and back sections mounted between said sides for advance movement from a retracted position, an apron mounted on said bowl for closing, partly opening and completely opening the front of said bowl; a first means for operating said bowl; a second means for moving said apron to partly open position; a third means for advancing and retracting said sections between said sides; and a fourth means including sheaves and a cable operatively connecting said sections to said apron so that with advancement of said sections said apron is moved to completely open position; and a device acting when said apron is held by said second means in partly open position, to hold against slackening that portion of said cable above said bowl.

2,458,275
ADJUSTABLE CAP
Richard T. Kriebel, Belmont, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application December 6, 1946, Serial No. 714,381
3 Claims. (Cl. 2—197)



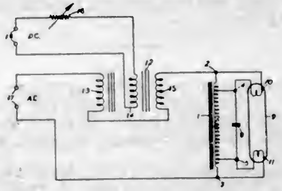
1. An adjustable cap comprising, in combination, a front and top panel, two side panels having their top edges attached to opposed side edges of said front and top panel, a rear panel having its top edge attached to the rear edge of said front and top panel, the rear edge of each of said side panels overlapping the adjacent side edge of said rear panel, a plurality of connecting means carried by the lower edge of each of said side panels, complementary connecting means carried by the lower edge of said rear panel, and means carried by said rear panel and slidably engaged by the rear edges of said side panels, said means comprising a tape fastened at spaced points to said rear panel.

2,458,276
ELECTRIC CONDUIT CONNECTOR
Stanley Langley, West Toronto, Ontario, Canada, and Alfred Warring, Detroit, Mich., assignors, by direct and mesne assignments, of one-third to said Warring, one-third to Norman A. Grams, and one-third to William Noponen, all of Detroit, Mich.
Application July 29, 1947, Serial No. 764,406
In Canada July 2, 1947
4 Claims. (Cl. 285—6.5)



1. A conduit connector of the class described comprising: an externally threaded tubular nipple; an inwardly turned portion at one end of said nipple to provide an annular body of smaller diameter than the internal diameter of the nipple; an outwardly bulged portion on the opposite end of said nipple; a gripping ring positioned in said outwardly bulged portion; a guide sleeve; an outwardly projecting flange on one end of said guide sleeve, said outwardly projecting flange engaging in said outwardly bulged portion; and a clamping structure on said outwardly bulged portion for clamping said flange and said ring in fixed relation to said nipple.

2,458,277
CONTROL OF ELECTRIC DISCHARGE LAMPS
Gordon Tremayne Kingsley Lark, Rowlands Gill, and Robert Boyd Davie, Dipton, England, assignors to Sturdy Electric Company Limited, Dipton, England, a company of Great Britain
Application May 28, 1947, Serial No. 751,092
In Great Britain June 19, 1946
8 Claims. (Cl. 315—284)



1. Control apparatus for a hot cathode gas discharge lamp of the type having two discharge electrodes, each associated with an electron emissive filament, comprising in combination a reactive element, means for varying the reactance of said reactive element, means providing an electric heating current for each of said filaments, and means for applying a striking voltage between the said two discharge electrodes, said reactive element being connected in series with said discharge lamp across an alternating current supply, and said means for providing filament heating currents and said means for applying a striking voltage being controlled by the discharge current of said lamp to decrease the filament currents and said striking voltage from their operative values as the discharge current increases from zero to the required running value for said discharge lamp and to increase said currents and voltage to their operative values as the discharge current falls to zero.

2,458,278
ELECTRIC CONTROL SYSTEM
Ralph Lee Lee, Cleveland, Ohio, assignor to Lee Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1945, Serial No. 638,408
10 Claims. (Cl. 318—20)

1. In a control system for a motor, a pair of terminals for connection to a source of power, a motor circuit connected to said terminals, a motor in said motor circuit, a switch in said motor circuit, a control circuit connected to said terminals, a relay in said control circuit, a pair of contacts operated by said relay, a condenser connected to said contacts, a resistor connected to said contacts, a circuit connecting said condenser and said resistor in series, a circuit connecting said contacts in series with said switch, and a circuit connecting said condenser and said resistor in parallel with said switch.

2,458,279
ELECTRIC CONTROL SYSTEM
Ralph Lee Lee, Cleveland, Ohio, assignor to Lee Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1945, Serial No. 638,409
10 Claims. (Cl. 318—20)

1. In a control system for a motor, a pair of terminals for connection to a source of power, a motor circuit connected to said terminals, a motor in said motor circuit, a switch in said motor circuit, a control circuit connected to said terminals, a relay in said control circuit, a pair of contacts operated by said relay, a condenser connected to said contacts, a resistor connected to said contacts, a circuit connecting said condenser and said resistor in series, a circuit connecting said contacts in series with said switch, and a circuit connecting said condenser and said resistor in parallel with said switch.

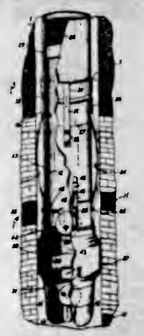
2,458,280
ELECTRIC CONTROL SYSTEM
Ralph Lee Lee, Cleveland, Ohio, assignor to Lee Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1945, Serial No. 638,410
10 Claims. (Cl. 318—20)

1. In a control system for a motor, a pair of terminals for connection to a source of power, a motor circuit connected to said terminals, a motor in said motor circuit, a switch in said motor circuit, a control circuit connected to said terminals, a relay in said control circuit, a pair of contacts operated by said relay, a condenser connected to said contacts, a resistor connected to said contacts, a circuit connecting said condenser and said resistor in series, a circuit connecting said contacts in series with said switch, and a circuit connecting said condenser and said resistor in parallel with said switch.

2,458,281
ELECTRIC CONTROL SYSTEM
Ralph Lee Lee, Cleveland, Ohio, assignor to Lee Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 31, 1945, Serial No. 638,411
10 Claims. (Cl. 318—20)

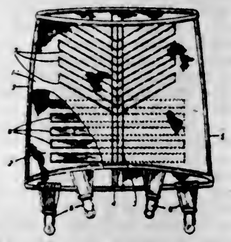
1. In a control system for a motor, a pair of terminals for connection to a source of power, a motor circuit connected to said terminals, a motor in said motor circuit, a switch in said motor circuit, a control circuit connected to said terminals, a relay in said control circuit, a pair of contacts operated by said relay, a condenser connected to said contacts, a resistor connected to said contacts, a circuit connecting said condenser and said resistor in series, a circuit connecting said contacts in series with said switch, and a circuit connecting said condenser and said resistor in parallel with said switch.

2,458,278
CEMENTING EQUIPMENT
John J. Larkin, St. Louis, Mo.; St. Louis Union Trust Company, Lillian V. Larkin, and Lila G. Daney, executors of said John J. Larkin, deceased, assignors to Larkin Packer Company, St. Louis, Mo., a corporation of Missouri
Application May 25, 1944, Serial No. 537,311
7 Claims. (Cl. 166—1)



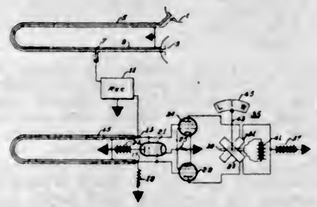
1. Cementing equipment comprising a shoe adaptable to be connected to a well casing and provided with an external packer, the said shoe being provided with ports extending from the interior to the exterior thereof and situated above the packer, a sleeve having a slidable but non-rotatable mounting on said shoe and having one end in abutment with said packer, openings in the sleeve communicating with the shoe ports, formation gripping means on said sleeve, and an actuator in abutment with the end of said sleeve remote from the packer and having a threaded engagement with said shoe whereby the sleeve may be shifted axially of the shoe to expand the packer upon relative rotation between the actuator and shoe.

2,458,279
CORSET AND WEARING APPAREL OF A SIMILAR CHARACTER
Sabine Levy, Stoken Church, England, assignor to Caprice Limited, London, England, a British company
Application September 5, 1946, Serial No. 694,969
In Great Britain May 21, 1946
1 Claim. (Cl. 2—36)



A garment comprising a close-fitting trunk-encircling portion of permanent tubular form made up of front and rear panels and fabricated wholly from two-way stretch fabric and strips made of one-way stretch fabric applied to said trunk-encircling portion to reinforce same locally, said reinforcing strips consisting of a plurality of strips extending in parallel formation across the lower half of the middle area of the rear panel symmetrical to the vertical center of said rear panel and of a plurality of strips extending in two sets in parallel formation and arranged in downward-pointing chevron formation in the upper half of the middle area of the front panel and symmetrical to the vertical center of said front panel.

2,458,280
RADIO DIRECTION FINDER
Nils E. Lindenblad, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 1, 1946, Serial No. 680,611
7 Claims. (Cl. 343—123)

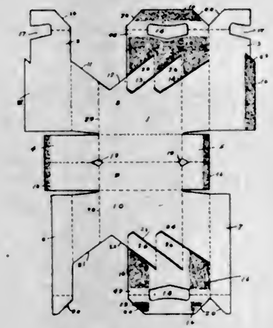


5. The method of amplifying and demodulating two coincidentally pulse modulated radio signals in a single channel, comprising the steps of delaying one of said signals with respect to the other so that the modulation pulses of said delayed signal are non-coincident with those of said other signal, combining said delayed signal and said other signal to provide a composite signal, amplifying and demodulating said composite signal, delaying said composite signal by an amount equal to the delay of said first mentioned signal, producing a control pulse in response to each coincidence of a pulse in said undelayed composite signal with a pulse in said delayed composite signal, producing an output pulse in response to each coincidence of a control pulse with a pulse in said undelayed composite signal, and producing separately a further output pulse in response to each coincidence of a control pulse with a pulse in said delayed composite signal.

2,458,281
BOTTLE CARRIER
Elmer H. Lupton, Ilchester, Md., assignor to The Bartgis Bros. Company, a corporation of Maryland
Application October 20, 1944, Serial No. 559,492
1 Claim. (Cl. 229—52)

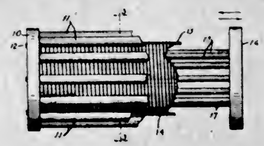
A bottle carrier for sustaining two rows of bottles stacked vertically therein, a single bank of material segregated into three sections integrally connected with one another, one of said sections being in the middle of the blank between a handle section on one side and an auxiliary handle section on the other, said middle section being of rectangular outline with an axial crease to facilitate its bending thereon and including border creases formed in addition to facilitate the bending of the handle sections at

right angles thereto, to form side walls for the carrier, the joining portions where the last mentioned creases are provided being limited in length to leave bottom flaps extending therefrom free and bendable in the same direction as said walls, the end portion of the flaps being arranged with an adherent for fastening them to other surfaces, the handle section aforesaid being cut to provide two full width end wall flaps bendable on creases connecting them to the middle portion of said handle section transversely across same, each of said end wall flaps being provided with extensions with angular terminal portions for a greater portion of the side of the flap, the remainder of the side of each of the said flaps being cut out to provide an open slot forming half the opening of a handle hole and opening towards said side, the middle portion of the section being cut out to form a relatively large space between it and one of said flaps and disposed opposite to the crease where the wall section connects to the middle section and with the cut border angularly contoured and apexed into the middle portion, the wall section between said opening and the opposite flap of the wall section being angularly slitted and creased to form a quasi-saw tooth contour and bendable from the outer portion of the middle



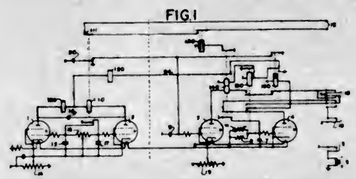
portion towards the one side of the wall section, said middle portion including a handle opening therein alignable with said slots when the end flaps are bent over in flat contact with said middle portion to form a handle having double thickness of material encompassing it, said auxiliary section being symmetrically cut out to conform with that of the handle section but with its end flaps of approximately half the width and without extensions, the handle and auxiliary handle sections when bent to form said walls having the portions included in the quasi-saw tooth contour bent towards each other for receptacles for containing bottles on opposite sides and resting on said bottom, said middle portions including adhesive in predetermined areas to permit the sections to be fastened together thereby to retain the form of the receptacles and strengthen the carrier, the formation of the receptacles being such that the quasi-saw tooth contour brings the edges of some above the edges of the remainder and the blank when assembled into its carrier form provides for a quadruple thickness of material as a spacing partition between the rows of bottles, and the bottom flaps bent over the carrier bottom to reinforce it.

2,458,282
HIGH-POWER PERMEABILITY CORE INDUCTANCE
George J. Maki, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application November 16, 1946, Serial No. 710,333
10 Claims. (Cl. 171—242)



4. An inductance unit comprising an inductance winding, an inner open-work core member, an outer open-work core member, said members surrounding each other and having said winding located therebetween, and header members at each end of said open-work members for completing the magnetic circuit therebetween, said open-work members and said headers each being constituted of comminuted high frequency iron.

2,458,283
IMPULSE GENERATOR
Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 23, 1944, Serial No. 560,076
8 Claims. (Cl. 315—245)

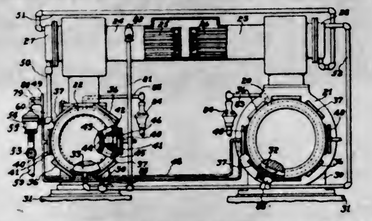


1. In combination, a gaseous discharge tube having at least a cathode, a control electrode, and an anode, a relay having a winding connected between said anode and cathode, a normally charged condenser connected between said control electrode and cathode, a resistor, means controlled by the relay for causing said condenser to discharge through said resistor so as to initiate an ionic discharge in the tube after a predetermined time interval, said relay being operated when said discharge occurs, and means responsive to the operation of said relay for deionizing said tube whereby the relay is periodically actuated.

2,458,284
COOLING-WATER SUPPLY APPARATUS FOR COMPRESSORS
Chester W. Metzgar, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application February 16, 1945, Serial No. 578,318
5 Claims. (Cl. 230—26)

1. In a cooling-water supply apparatus for a compressor, in combination, a cylinder having a water jacket, means for supplying water to the water jacket, means for effecting the partial unloading and reloading of the cylinder, and means

acting in synchronism with the second said means for decreasing and increasing the supply of water



to the water jacket in accordance with the reduction and the increase in the load of the cylinder.

2,458,285
METHOD OF LINING COMBUSTION TUBES AND THE LIKE
David Meyer, Canton, Ohio, assignor to Meyer-Baker Fuel Unit, Incorporated, Dover, Ohio, a corporation of Ohio
Application November 17, 1947, Serial No. 786,393
2 Claims. (Cl. 25—155.5)

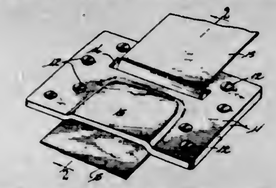
1. The method of making a porous refractory fuel burner liner which includes the steps of pulverizing burned firebrick to approximately pea size, adding thereto and mixing therewith a ceramic binder material selected from the class consisting of silicon-carbide, flint clay and dolomite, adding water thereto and mixing the same to form a stiff mass, and then forming a liner of desired shape by pressing layers of the mass and sprinkling between said layers a dry mixture of plaster of Paris, powdered alum, permanganate of potash and salicylic acid.

2,458,286
PHOSPHORESCENT PIGMENT
Neville F. Miller, Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 11, 1947, Serial No. 779,407
7 Claims. (Cl. 252—301.4)

1. A phosphorescent pigment comprising the product of heat treating at 900° to 1300° C. a mixture consisting essentially of an alkaline earth metal sulphide of the group consisting of calcium sulphide and strontium sulphide and containing minute amounts of a bismuth salt and a lead salt such as to comprise about 0.0043–0.043% bismuth and 0.00055–0.0032% lead by weight of the sulphide, said heating being continued for a sufficient period of time to effect diffusion of the bismuth and lead throughout the pigment.

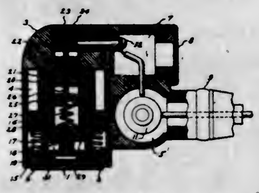
2,458,287
SNUBBER PLATE
John M. Moon, Evanston, Ill., assignor to Signode Steel Strapping Company, Chicago, Ill., a corporation of Delaware
Application August 31, 1944, Serial No. 552,020
1 Claim. (Cl. 105—369)

A snubber plate adapted to be attached securely to the floor of a car and having an elongated opening therethrough for engagement with a flexible strap for applying a braking effect on the longitudinal movement of the strap with respect to the plate, said plate being offset upwardly at an edge portion under which the strap normally extends in use for enabling a claw to be inserted on top of the strap and underneath



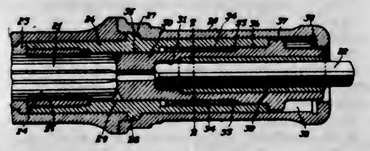
the plate for prying the plate loose from the floor, with said upward offset of the plate extending into close proximity to said elongated opening through the plate so as to reinforce and stiffen the plate for increasing its resistance to distortion from upward pressure of the strap thereon.

2,458,288
PIEZOELECTRIC CRYSTAL HOLDER
Charles D. Moriarty, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 24, 1946, Serial No. 718,188
7 Claims. (Cl. 171—327)



3. In combination, a crystal holder, a plurality of crystals resiliently supported in one face thereof, said crystals being concentrically arranged and insulated and shielded from each other in said holder and having substantially coplanar faces outwardly of the crystal holder adapted for simultaneous contact with a flat surface, separate electrical connections to adjacent crystals adapted for connection to external circuits and tuning inductances contained within said crystal holder in said connections.

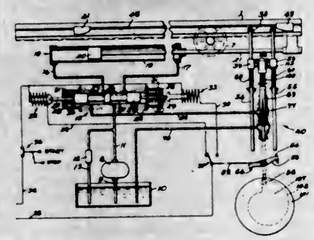
2,458,289
ROCK DRILL
William A. Morrison, Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 13, 1946, Serial No. 654,057
2 Claims. (Cl. 121—7)



2. In a rock drill, a casing, a working implement, a piston reciprocable and rotatable in the

casing, a chuck in splined engagement with the piston to rotate therewith, an anvil block slidable in the chuck and rotatable therewith to receive the blows of the piston and having a socket, a replaceable bushing in the socket to slidably receive the working implement, and a flange on the anvil block for cooperation with the chuck and the casing to limit endwise movement of the anvil block.

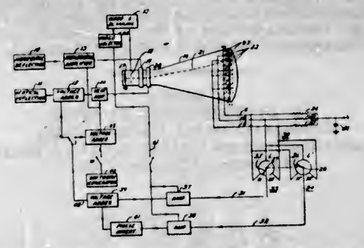
2,458,290
POWER TRANSMISSION FOR REVERSIBLE MACHINE ELEMENTS
Charles Z. Monroe, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application April 10, 1944, Serial No. 530,275
19 Claims. (Cl. 121—45)



1. A power transmission for a reversible translatory machine element comprising, in combination, reversible power drive means for translating said element, speed control means associated with said drive means and being selectively adjustable to effect translation of said element at any one of different predetermined rates during normal traverse, cam means for adjusting said speed control means, reversing means automatically operable upon translation of said element into a predetermined position to effect reversal of said drive means and thereby reversal of translation of said element, lost-motion trip means automatically operable by said reversing means to actuate said speed control means independently of said cam means and thereby decelerate said element to a predetermined low rate of translation immediately prior to said reversal regardless of the selected rate of normal translation, and means for disengaging said lost-motion trip means from said speed control means to reestablish said rate of normal translation immediately subsequent to said reversal.

2,458,291
DEVIATION CORRECTION FOR CATHODE-RAY BEAMS
Allen C. Munster, Philadelphia, and David E. Sunstein, Cynwyd, Pa., assignors to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1946, Serial No. 711,968
8 Claims. (Cl. 315—21)

1. In an electrical system: means for generating a beam of electrified particles; means for cyclically deflecting said beam successively along a plurality of preselected scanning lines; means responsive to deviations of said beam for generating signals identifiable with the direction of said deviations, said signals being derived from the change in the electrical potential of a scanning line which is impinged by said beam in deviated position; means for selecting said signals in synchronism with said beam deflection;

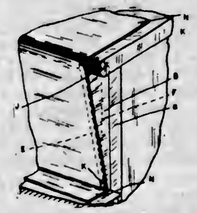


and means for applying said selected signals to said beam in such manner as to oppose said deviations.

2,458,292
METHOD OF RETARDING THE REVERSION OF ALKALI-METAL PHOSPHATE GLASS IN AQUEOUS SOLUTIONS AND A COMPOSITION OF MATTER THEREOF
Casimir J. Munter, Upper St. Clair Township, Allegheny County, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 2, 1945, Serial No. 571,116
7 Claims. (Cl. 252—175)

2. A composition comprising a mixture of (*a*) a water-soluble alkali-metal phosphate glass having essentially but a single alkali-metal oxide constituent, (*b*) an alkali-metal alkaline reacting crystalline compound the alkali-metal of which is other than the alkali-metal of (*a*), the amount of (*b*) in said composition being such that when the composition is dissolved in water the pH value thereof will be in excess of about 8.5 and also being such that when an aqueous solution of (*a*) and (*b*) containing about eight grams of (*a*) not less than about 1 gram of (*b*) per liter is boiled continuously for about six hours, not more than about 65% of (*a*) will have reverted to water-soluble orthophosphate.

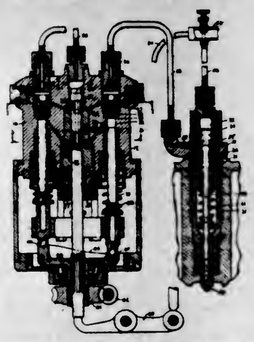
2,458,293
DUST EXCLUDING DEVICE FOR CARPETED STAIRS
William J. Neumann, East Detroit, Mich.
Application June 2, 1947, Serial No. 751,664
6 Claims. (Cl. 16—11)



1. A dust-excluding device for positioning along the under face of each marginal edge of those portions of a stair carpet piece which lie spacedly in front of the riser portions of the stair units, comprising a central web portion of

generally wedge-shaped contour, the broad end of each one of which is adapted to be placed subjacently of the overhanging forward edge of the tread portion of each stair, with its bounding flange portions attachable respectively to the face of the vertical portion of the stair structure and to the adjacent marginal edge of the carpet.

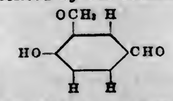
2,458,294
OIL DISTRIBUTING SYSTEM
Lenious G. Parker, Oakland, Calif.
Application January 17, 1945, Serial No. 573,249
9 Claims. (Cl. 123—139)



1. In a fuel oil distributor for multi-cylinder engines having a fuel injection nozzle for each cylinder provided with a valve controlled fuel oil passage to the cylinder and a pressure chamber sealed from said passage and adapted for opening the valve, a plurality of fuel oil pumps each having an oil inlet to the pump and a first oil outlet to the pressure chamber of one nozzle and a second oil outlet to the fuel passage of said nozzle, a distributor core including a member mounted to rotate in timed relation with the operation of the engine and including means to alternately open and close said inlets successively for the different pumps to a source of fuel oil, said core including a common delivery chamber for the second mentioned pump outlets operatively interposed between said second outlets and said nozzle passages and normally open to such second outlets, and means closing said second mentioned outlets to said common chamber successively from the different pumps during a portion of the oil delivery operation therein.

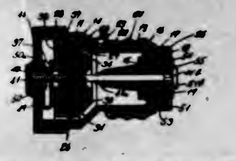
2,458,295
PRODUCTION OF VANILLIC ACID
Irwin A. Pearl, Appleton, Wis., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis., a corporation of Wisconsin
No Drawing. Application May 17, 1944, Serial No. 536,041
2 Claims. (Cl. 260—521)

1. The method of preparing vanillic acid from vanillin represented by the formula:



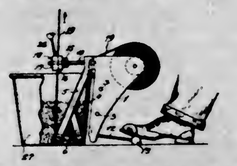
which comprises adding a solution of a soluble silver salt containing one weight atom of silver to a solution already containing one mole of vanillin and an excess of alkali at a temperature of at least about 50° C., whereby silver oxide is generated in a nascent condition in the presence of the vanillin and alkali, by which it is immediately reduced; and acidifying with sulfur dioxide to precipitate vanillic acid.

2,458,296
FUSE PLUG OF REGENERABLE TYPE
Roberto J. Peralta, Mexico City, Mexico
Application August 20, 1947, Serial No. 769,713
In Mexico February 26, 1947
7 Claims. (Cl. 200—125)



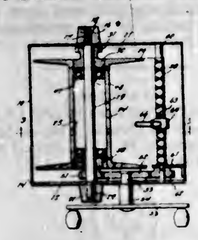
2. Improvements in fuse plugs of the regenerable type comprising a principal hollow body, a removable tablet-like member, a multi-pronged fusible element carried by said tablet-like member, a removable cover for said body, an axially extending screw for securing said cover to said body, a contact member secured to said cover for engaging said fusible element, a metallic threaded member positioned on said body, protuberances upon said body to prevent rotation of said threaded member, a contact strip electrically secured to said threaded metallic member and extending into said body for contact with one of the prongs at a time of said fusible element, and said screw being in electrical contact with said contact member.

2,458,297
CEMENT APPLICATOR FOR BUILDING TAPE
Wiley Petty, Farmersburg, Ind., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Delaware
Original application March 9, 1942, Serial No. 433,909. Divided and this application August 20, 1945, Serial No. 611,520
11 Claims. (Cl. 91—14)



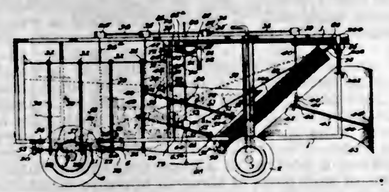
1. An adhesive applicator and tape dispenser having a frame constructed to be positioned over the side wall of a cement container such as a pail, means on said frame outside said container to support a supply of said tape, means to guide said tape downwardly and upwardly through a supply of adhesive in said container to apply a thick coat of adhesive on both sides of said tape, and adhesive removing and compressing means overhanging said container and guiding the free upwardly extending end of said tape so that said tape may be drawn therethrough, said last means being constructed to form a predetermined cross-sectional contour of adhesive on said tape and to simultaneously compress the adhesive thereon sufficiently to retain said contour, and to provide a thicker coating of adhesive on one side of said tape than on the other.

2,458,298
FISHING REEL
Stephen V. Polevoy, New York, N. Y.
Application April 11, 1946, Serial No. 661,427
5 Claims. (Cl. 242—84.4)



1. A fishing reel comprising a generally cylindrical casing having a line opening extending over a portion of its outer periphery and being provided with a fixed tail plate at one end thereof, a removable head plate at the opposite end thereof, a spool, a shaft fixed to the tail plate supporting the spool for rotative movement, the outer end of the shaft projecting through the head plate, a click mechanism positioned between one end of the spool and the tail plate, driving means positioned between the other end of the spool and the head plate, and a nut at the outer end of the shaft for retaining the head plate in place.

2,458,299
CANE HARVESTING MACHINE
George S. Powers, New Roads, La.
Application April 12, 1946, Serial No. 661,846
10 Claims. (Cl. 56—17)



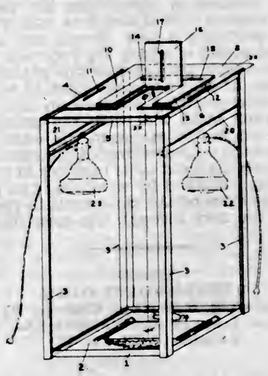
1. A cane harvesting machine including a vehicle body having a forwardly extending frame, a plurality of rotary leaf removing brushes operatively mounted on said frame, driving means operatively connected to said brushes, said brushes being inclined to the longitudinal horizontal axis of said machine, said brushes having their elevated ends mounted forwardly and their depressed ends located rearwardly in the frame, whereby said brushes will remove from the standing stalks the uppermost leaves and progressively remove the lower leaves from the standing stalks of cane.

2,458,300
RESILIENT WHEEL
Thomas A. Purvis, Tulsa, Okla., assignor of one-half to Joe Emil Hampton, Tulsa, Okla.
Application May 22, 1944, Serial No. 536,836
1 Claim. (Cl. 152—89)

In a vehicle wheel, a hub, a rim having a radially disposed central flange having relatively large circular holes formed therethrough, a disc secured rigidly to said hub, a removable disc slidably mounted on said hub and secured in fixed spaced apart relation to said first named disc by bolts passing through the central portion of said large circular holes of said rim whereby said rim has limited universal planar movement relative to said discs, a concentrically disposed annular bracket rigidly fixed to the inner face of said fixed discs, and having open slots formed in the

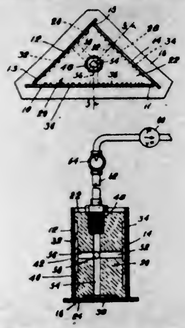
edge thereof, and a plurality of helical springs disposed non-radially between said discs and secured at their outer ends to said flange and at their inner ends in the open slots formed in the edge of said annular bracket whereby the rim and hub are normally secured in substantially concentric relation.

2,458,301
APPARATUS FOR PHOTOGRAPHING TITLES ON MOTION-PICTURE FILMS
John L. Rex, Rochester, N. Y.
Application October 1, 1945, Serial No. 619,532
6 Claims. (Cl. 88—24)



1. A stand having a lower deck capable of supporting a title, an upper deck having a hole placed centrally therein, a lower plate supported above the upper deck and adjustable thereon in one direction, an upper plate supported on the lower plate and adjustable thereon in a transverse direction, each of said plates having a large opening cut therein to expose the hole in the upper deck, an upright platen attached to said upper plate for supporting a camera above the upper deck with the lens of the camera pointed down to the lower deck and exposed through the hole in the upper deck.

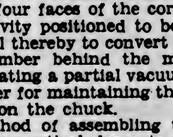
2,458,302
METHOD AND CHUCK FOR ASSEMBLING MOLD WALLS
John H. Richardson, Needham, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 5, 1946, Serial No. 646,431
2 Claims. (Cl. 29—148.2)



1. An assembling chuck for mold walls, comprising a core block having at least five sides, of which four sides constitute angularly related faces, each adapted to receive thereon one wall of a mold so that mold walls on the said four faces will enclose the core block on four sides thereof, each of said four faces of the core block having a separate cavity positioned to be covered by a said mold wall thereby to convert the cavity into a closed chamber behind the mold wall, and means for creating a partial vacuum in each said closed chamber for maintaining the mold walls in set positions on the chuck.

2. The method of assembling the walls of a mold for casting optical elements, comprising the steps of providing a core having five angularly related sides, two of which are generally parallel, arranging a mold wall on each side of the core excepting one of said generally parallel sides, creating a differential of pressure on the opposite sides of each mold wall with the pressure differential tending to maintain the walls against the core and in a predetermined relationship, rigidly securing the mold walls together in their said relationship, followed by equalizing the pressure on opposite sides of the mold walls to permit removal of the core through the open side of the mold.

2,458,303
CENTER JOINT FORM
Robert R. Robertson, Chicago, Ill.
Application January 16, 1946, Serial No. 641,470
2 Claims. (Cl. 94—17)



2. A joint form comprising a plate body, a one-piece anchoring member cut therefrom and in the set up condition of the joint form extending from opposite sides of the plate body, the cut edges of the anchoring member on one side of the plate body being offset and discontinuous from the cut edges on the opposite side of said plate body to provide juncture portions between the plate body and the anchoring member, and said juncture portions forming integral bendable connecting hinges by which said anchoring member is bent out of the plane of said plate body, at least one portion of the anchoring member being of generally dovetail outline.

2,458,304
SELF-TIGHTENING ROPE CLAMP
Kenneth E. Runde, Lemay, Mo.
Application January 19, 1944, Serial No. 518,787
3 Claims. (Cl. 24—136)

1. A rope clamp comprising two pairs of rope-engaging shoes, and a shell of hollow flattened cylindrical form having a substantially uniform bore therethrough which receives for sliding movement therein said pairs of rope-engaging shoes, each pair of shoes comprising a wedge shaped outer shoe which slidingly engages the face of the bore of said shell, and an inner shoe of substantially uniform thickness in a longitudinal direction, said wedge shaped outer shoes of said pairs of shoes being tapered in opposite directions and said inner shoes of said pairs of shoes being in sliding contact with each other, the shoes of each pair of shoes receiving therebetween a portion of a rope and sliding movement of said pairs of shoes in opposite directions within said shell causing said rope portions to be gripped between the shoes of said pairs of shoes.

2,458,305
TUBULAR ARTICLE COMPRISING RUBBER-LIKE MATERIAL
Richard D. Sanders, Phoenixville, Pa.
Application April 26, 1947, Serial No. 744,056
7 Claims. (Cl. 128—348)

1. A device of the kind described comprising a tubular portion and a tapering scoop-shaped tip attached to one end of the tubular portion, said tip narrowing toward its terminus to an extended externally rounded nose member having a terminal pocket therein; the side walls of said scoop-shaped tip being relatively thin, pliant, normally self-sustaining but collapsible and having embedded therein an openly arranged pattern of overlapping strands, at least one of which extends lengthwise of the tip; said tip having an opening into the tubular portion through a bore which is co-extensive with the bore of the tube and a lateral opening whose margin lays in an oblique plane which cuts across the axis of the tubular portion, thereby

providing an aperture directed downwardly and away from the tubular portion; said tubular portion comprising a skeleton formed of a strand of thermoplastic material embedded in rubber-like material, and being somewhat flexible, relatively difficultly collapsible, relatively rapidly and forcibly re-formable, capable of readily bending around corners without collapsing and

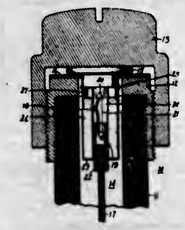
having higher tensile and bursting strength than a wall of like proportions composed of the rubber-like material, at least one of said skeleton members connecting with both ends of said tube through the wall; at least one of the longitudinally extending strands in said tip being joined with the skeleton of said tubular portion.

2,458,306
GAME
Joseph Schneider, New York, N. Y.
Application January 4, 1945, Serial No. 571,259
3 Claims. (Cl. 46—155)

1. Game apparatus comprising a hemisphere, the equatorial plane of which forms a normally horizontal platform, a stem rising vertically from the center thereof, a cup on the stem, a structure of separate blocks built on the platform and a ball loosely held in the cup.

2,458,307
ELECTRIC CIRCUIT INTERRUPTER
Sidney R. Smith, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 23, 1943, Serial No. 484,232
5 Claims. (Cl. 200—120)

1. A fuse link comprising a buttonhead terminal, a second terminal including a flexible cable portion, a fusible element electrically interconnecting said terminals, and adapted upon rupture thereof to produce an arc between said terminals, means for rapidly extinguishing said arc comprising an hermetically sealed thin walled metal container supported as an integral part of said fuse link and having an arc passageway therethrough positioned so that said arc will ex-



tend into said passageway, and a vaporizable liquid in said container, said container electrically connected to one of said terminals and said passageway normally being free of said liquid, said arc upon operation of said fuse link burning through the walls of said container to vaporize said liquid and cause rapid extinguishment of said arc.

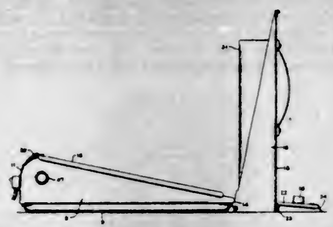
2,458,308
COLOSTOMY RECEPTOR
Roy W. Smoot, Springfield, Ohio
Application September 4, 1946, Serial No. 694,701
1 Claim. (Cl. 128—283)

A colostomy receptor, comprising a rigid one piece tubular element formed with an elongated stem providing a handle portion and a means of attachment of a flexible conduit thereto, and further formed with a bulbous head of substantially truncated spherical shape, said stem extending from said head at an inclination to the open face of the head and coincident with the lower margin of said open face.

2,458,309
SUCTION CLEANER
Eugene L. Snyder, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 26, 1944, Serial No. 542,107
15 Claims. (Cl. 183—52)

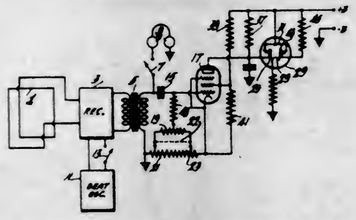
10. In a suction cleaner, a casing adapted to rest on a platform surface, a filter for removing dirt from a dirt-laden air stream and having a filter cleaning dirt-emptying mouth, means supporting said filter on said casing for movements to dirt collecting and filter cleaning positions, said means movably connecting said

filter on said casing at a point offset with respect to said dirt-emptying mouth, whereby as a result of said offset connection movement of said



filter to said filter cleaning position disposes said dirt-emptying mouth into substantially the plane of said supporting surface.

2,458,310
DIRECTION FINDER
Carl G. Sontheimer, Stamford, Conn., assignor to Radio Corporation of America, a corporation of Delaware
Application September 13, 1945, Serial No. 616,064
3 Claims. (Cl. 343—113)

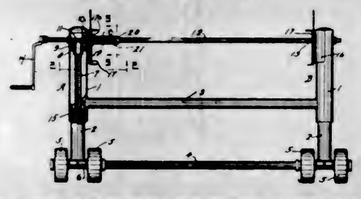


1. In combination with directional radio receiver means, a local oscillator connected to said receiver means to cause said receiver to produce a beat frequency output voltage in response to signal received by said receiver means, an audio frequency detector, means for applying said beat frequency voltage to said detector, electron ray indicator means including a fluorescent electrode, means providing a beam of electrons impinging on said electrode to produce a luminous image thereon, and an electrode for controlling the size of said image connected to the output circuit of said detector.

2,458,311
SELF-UNLOCKING LOCKUP RELAY
Henry N. Staats, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application February 2, 1945, Serial No. 575,910
5 Claims. (Cl. 175—335)

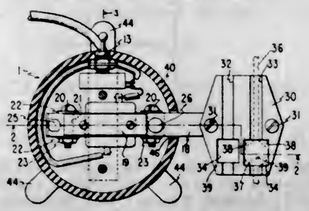
1. In an electromagnetic relay, a heel piece, an armature with an arm, a spring, the end of said arm being formed into the shape of an ellipse with one portion cut away to form a shelf or shoulder for the edge of said spring, said armature having three positions, means for energizing said relay to cause said armature to move from said first or normal position to the said second position in which the shoulder of said arm rests on said spring edge, means for energizing the said relay to a greater degree to cause said armature to move from the said second to the said third position to clear said spring edge, whereby de-energizing said relay will permit said armature to return to its said first position.

2,458,312
SUPPORT FOR TRAILER VEHICLES
James Stephen, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application March 6, 1947, Serial No. 732,835
5 Claims. (Cl. 254—86)



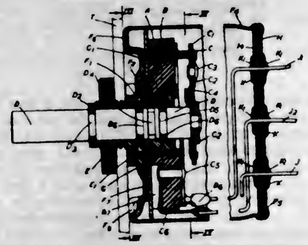
1. A vertical support for trailers, comprising, in combination, a pair of vertical supporting legs attachable to a trailer frame, each leg comprising an upper member and a lower member in telescopic relation, a connecting bar between the legs, a jacking screw on the upper member of each leg having screw connection with the associated lower member to move the latter relatively up and down, a driving shaft common to both legs and having driving connection with the jacking screws, and means comprising a screw section on the driving shaft, and an abutment member operable by the said screw section for engaging the frame structure adjacent one of the upper leg members to resist turning of the driving shaft.

2,458,313
AGITATING DEVICE
Daniel S. Stevens, Chicago, Ill.
Application April 28, 1947, Serial No. 744,369
6 Claims. (Cl. 259—75)



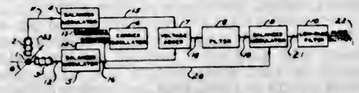
1. A clinical agitator comprising a flat leaf spring rigidly mounted at one end and adapted to be set in vibration, and the opposite end being free, and a pipette holder on and secured to the opposite end to be vibrated thereby, said holder comprising a mass of rubber having a pipette-receiving slot extending across the top thereof, said slot being open at the top and of a depth substantially greater than its width and said slot having a portion of a greater width than the rest of the slot for receiving the bulbous portion of a pipette, the slot being of sufficient depth and width so that a pipette inserted in the slot is free to bounce and turn therein during agitation thereof by vibration of the leaf spring.

2,458,314
VARIABLE ELECTRICAL RESISTOR
Eugene Leopold Straub, Wembley Hill, and Arthur Edward Charles Bennett, Kenton, England, assignors to Dubilier Condenser Company (1925) Limited, London England, a company of Great Britain
Application January 11, 1946, Serial No. 640,490
In Great Britain January 18, 1945
3 Claims. (Cl. 201—55)



1. A variable electrical resistor comprising a cup-like aluminium casing open at one end and having an apertured end wall at the other end, an axially bored and externally screwthreaded bearing boss extending through said aperture, an insulating body secured to the boss within the casing, a rotary adjusting spindle within the bearing boss and extending through the insulating body into the casing, an annular groove, for containing sealing oil or grease, formed in the part of the spindle lying within the bearing, two supplementary annular grooves formed in the spindle on opposite sides of said oil groove respectively, rings of resilient material located in the supplementary grooves and compressed between the spindle and the bearing bore, a clamping nut engaging the external screwthread of the bearing boss outside the casing, a strip-like resistor element carried by the insulating body, a moving contact carried by the spindle and bearing resiliently against the resistor element, a resilient washer arranged in a recess around the inside of the aperture through the end wall of the casing, an insulating disc interposed between the insulating body and said end wall of the casing, the rubber washer being compressed between the base of said recess and the insulating washer when the clamping nut is tightened to draw the insulating body towards the said casing end wall, a resilient sealing disc closing the said open end of the casing, a rigid backing disc of insulating material arranged against the inner face of said sealing disc, the rim at the open end of the casing being spun into a bead housing the edge portions of the sealing and backing discs with the edge of said rim pressed into the outer surface of the sealing disc without perforating the disc, thereby hermetically sealing the joint between the casing and the discs, three tubular rivets extending through apertures in the discs, and three electric leads extending respectively into the rivets and electrically connected to the moving contact operated by the spindle and to the two ends of the resistor element, the outermost flanges of the rivets being pressed into the outer surface of the sealing disc whilst the leads are soldered in the rivets whose bores are thus hermetically sealed.

2,458,315
METHOD AND APPARATUS FOR REPRODUCTION OF ANGULAR MAGNETIC RECORDING
David E. Sunstein, Elkins Park, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application May 3, 1945, Serial No. 591,675
18 Claims. (Cl. 179—100.2)



12. The method of reproducing signals from a magnetic wire recording which comprises electromagnetically producing signals which vary in accordance with the recording and as a function of the angle of transverse recording axis and thereafter electrically eliminating from the reproduced signal those signals which are a function of the transverse angle of recording.

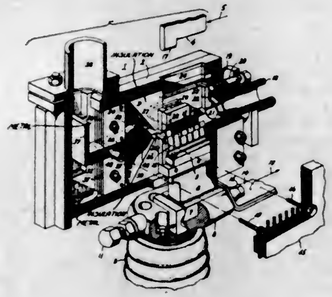
16. In a magnetic wire reproducing system in which transverse recordings are made on magnetic wire, a plurality of pick-up coils angularly disposed about said wire, each of said coils having an output circuit and each of said coils being energized by the component of the signal recording on the wire determined by the angular position of the axis of the coil with respect to the direction of the flux of the recording, a source of oscillations for each of said coils, the oscillations for one of said coils being phase displaced with respect to the oscillations for the other of said coils in amounts depending on the physical angular displacement of said coils with respect to each other, means including the output circuits of each of said coils for modulating said oscillations in accordance with the signals flowing in the output circuits of said coils, and means for combining said modulated signals and producing a resultant audio signal in accordance with the recordings and independent of the flux angle of said recordings with respect to the axis of any reproducing coil.

2,458,316
TAXI HAILING FLAG
Theodore Swertlow, Bronx, N. Y.
Application June 22, 1945, Serial No. 600,853
5 Claims. (Cl. 287—58)

1. In a taxi hailing flag, an adjacent pair of telescopically engaged non-rotative tubular sections adapted to be extended and collapsed and the inner end of the inner section having an outwardly directed flange and the adjacent end

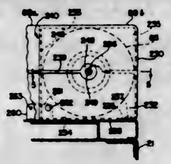
of the outer section having an inwardly directed flange extending over said outwardly directed flange and continuing into an inwardly directed short tubular portion spaced outwards from said inner section, said inner section including an aperture, a spring urged pin engaging through said short tubular portion and extending across the space to said inner section and engaging in said aperture of said inner section for holding said sections extended, a cam-like leaf spring mounted within the inner section and engaging the inner end of said pin for moving said pin outwards when moved outwards for releasing said sections, and another telescopic section slidably engaging in said inner section and when moved inwards acting to move said leaf spring outwards.

2,458,317
ARC EXTINGUISHING MEANS FOR ELECTRIC CIRCUIT BREAKERS
Dell K. Tower, Millbrook, N. Y., and Benjamin S. Beall, III, Upper Darby, Pa., assignors to General Electric Company, a corporation of New York
Application August 24, 1946, Serial No. 692,886
5 Claims. (Cl. 200—148)



1. An electric circuit breaker of the fluid blast type comprising an arc chute, a pair of relatively separable contacts arranged to draw an arc adjacent the entrance of said arc chute, means for directing a blast of fluid under pressure transversely across the arc gap formed between the contacts upon separation thereof, the structure of said arc chute defining a pair of confining walls proceeding divergently from said gap, cooling means disposed in said chute downstream from said gap, an insulating barrier extending transversely across the interior of said chute having its leading edge closely adjacent to said gap, the thickness of said barrier progressively increasing from its leading edge to a region of maximum thickness intermediate said gap and said cooling means then decreasing therefrom toward said cooling means whereby the surfaces of said barrier cooperate with the surfaces of said divergent walls to define a pair of narrow arcing passages each of which flares widely toward said cooling means, an electrode embedded in said barrier arranged with its tip projecting through the surface of said barrier in said region of maximum thickness for providing a breakdown spark gap in said arc chute, a resistance associated with said circuit breaker, and means for electrically connecting one terminal of said resistance to one of said contacts and the other terminal of said resistance to said electrode.

2,458,318
WIRE DISPENSING CONTAINER
Miles H. Tuft, Huntington Park, Calif., assignor to Deere Manufacturing Co., a corporation of Iowa
Original application May 19, 1945, Serial No. 594,684. Divided and this application October 5, 1946, Serial No. 701,575
6 Claims. (Cl. 242—146)



4. A dispensing container comprising a box having one end open to receive a coil of wire or the like and including a pair of connected side walls spaced on opposite sides of said open side, each of said side walls having an aperture therein through which wire can be drawn and a slot extending outwardly from said aperture to said open end, a complementary container member including a side wall portion adapted to slide into said box along one of said side walls and an end wall adapted to close said open end, said side wall of the complementary member having an aperture disposed normally in register with the aperture in said one side wall and a slot extending therefrom to an edge of the wall, and a bushing in said aperture to form a smooth bearing through which wire can be drawn, said bushing being provided with a slot curving spirally from the center of the bushing and communicating with said slots.

2,458,319
SOLDERING IRON
Cyril L. Uhing, Hartington, Nebr.
Application December 11, 1945, Serial No. 634,209
2 Claims. (Cl. 219—27)

1. In a solder dispensing electric soldering iron, the combination of a hollow handle which contains a plurality of particles of solder with flux melted into said particles, a tube axially extended through said handle, with a perforated disk of larger diameter than said handle being rotatable on that portion of said tube which projects beyond said handle, and a stem through which are extended a longitudinal wire bore and a longitudinal solder channel and which is secured to said projecting tube portion beyond said disk and is provided at its lower end portion with a soldering tip and a heating element; electrical conductors leading from said heating element through said wire bore through said tube; and means for projecting one solder particle at a time from one of the disk perforations through said solder channels; said handle having a passage adjacent said disk for allowing said solder particles to pass from said handle into said disk perforations, and the diameter of the orifice of the channel in said tip being smaller than the diameter of the remaining channel portions; all substantially as set forth.

2,458,320
FLOW TUBE
Henry M. Unschuld, Chicago, Ill.
Application December 1, 1944, Serial No. 566,141
4 Claims. (Cl. 204—312)

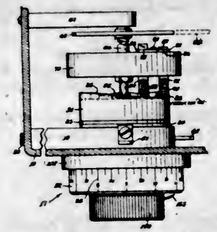
1. A flow tube for use in treating fluid with electrostatic charges comprising a generally tubular glass member, a partition dividing said tubular member into two axially spaced chambers, connecting means on the ends of said tubular glass member for connecting the one end to a fluid supply line and the other end to a discharge line, a pair of spaced electrodes in the one of said chambers which receives the fluid to be treated, and a temperature controlling means in the other of said chambers, said dividing partition having walls forming a hollow truncated cone-shaped extension for said other chamber with the small end thereof extending within said fluid receiving chamber to a point between said electrodes and with the walls thereof spaced from the walls of said receiving chamber whereby the flow of the fluid in the receiving chamber is retarded and subjected to the electrostatic charges for a longer period of time.

2,458,321
FLOW TUBE
Henry M. Unschuld, Chicago, Ill.
Application March 29, 1946, Serial No. 658,362
5 Claims. (Cl. 204—312)

1. In an elongated flow tube, axially aligned chambers, a pair of spaced axially aligned electrodes in the first one of said chambers, temperature controlling means in the second one of said chambers, converging partition walls separating said chambers, said partition walls extending from said second chamber into said first chamber to a point between said electrodes and forming a restricted passageway between said chambers, means for connecting said tube to a fluid supply line to supply fluid to the said first chamber, and means for connecting said tube to a fluid discharge line to receive fluid from said second chamber, said connecting means including bellows type shock absorbing members.

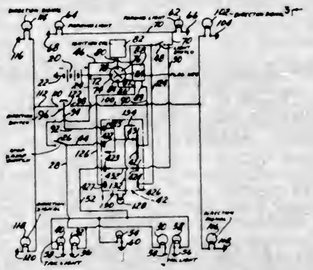
2,458,322
TIME SET CONTROL
Franklin R. Van Sickle, Beech Grove, Ind.
Application June 24, 1946, Serial No. 678,966
20 Claims. (Cl. 200—36)

2. A time-set control switch mechanism comprising a first circular trackway and a second trackway, a portion of a continuous surface of each of said trackways comprising electrically-conductive material and a portion of such surface of each trackway comprising electrically non-conductive material, said trackways being mounted for independent adjustment about a common axis, a shaft journalled for rotation upon said common axis, means for driving said shaft at constant speed, a block carried on said shaft, said block being formed with a pair of openings therethrough, said openings registering, respectively, with said trackway surfaces, a plunger reciprocably mounted in each of said openings, abutment means removably secured to said block and bridging said plungers, spring means for each of said plungers, confined between said



respective plungers and said abutment means and resiliently urging said plungers into contact with said trackway surfaces, respectively, said plungers and said abutment means establishing, at times, an electrically-conductive path between said trackway surfaces, and separate stationary terminal members constantly in electrical contact with the conductive portions of said trackway surfaces, respectively.

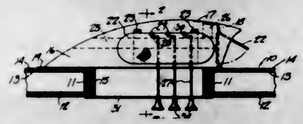
2,458,323
ELECTRICAL WARNING LIGHT SYSTEM FOR MOTOR VEHICLES AND A SWITCH FOR USE IN SUCH A SYSTEM
John Volker, Brooklyn, N. Y.
Application June 28, 1946, Serial No. 679,980
7 Claims. (Cl. 177—337)



1. An electrical warning light system for motor vehicles comprising: a source of electrical current, a stop lamp circuit connected with said source of electrical current, said stop lamp circuit including a stop lamp switch and at least one stop lamp, a tail light circuit connected with said source of electrical current, said tail light circuit including a light switch and a plurality of tail lights, a current intermitter circuit including a current intermitter, said current intermitter circuit being connected with said stop lamp circuit in shunt to said stop lamp switch, and a warning light switch having at least four terminals and two mechanically connected movable bridging contact members arranged for cooperation with said terminals, two terminals of said warning light switch being arranged in said current intermitter circuit and two other terminals of said

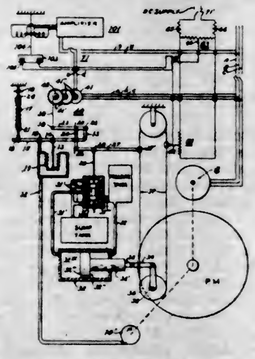
warning light switch being arranged in said tail light circuit, said bridging contact members of said warning light switch interrupting said current intermitter circuit and closing said tail light circuit in the "off"-position of the warning light switch, and said bridging contact members interrupting said tail light circuit and connecting said current intermitter with the stop lamp and the tail lights in the "on"-position of the warning light switch.

2,458,324
VENTILATOR
Maurice C. Volkmann and Clarence A. Johnson, Elkhart, Ind., said Johnson assignor to said Volkmann
Application January 1, 1945, Serial No. 570,960
2 Claims. (Cl. 98—20)



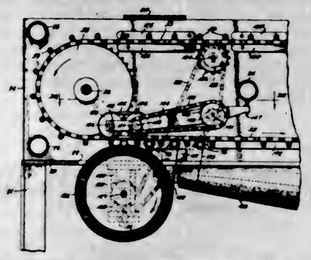
1. A ventilator adapted to be mounted on the roof of a vehicle at a ventilating opening, comprising a hood member having upright side and rear walls and a forwardly inclined member forming a top and front, said upright walls each having an opening, a closure for each wall opening, pivoted at its upper edge above said opening, a rigid bracket secured to said top and positioned within said hood, said bracket including an elongated member having a pair of vertically spaced substantially horizontal rigid web portions, each having a plurality of apertures substantially vertically aligned with apertures in the other web portion, and a plurality of closure operators each including an operating member journaled in one set of aligned web apertures and extending downwardly through said roof opening.

2,458,325
PRIME MOVER DYNAMO PLANT WITH SPEED GOVERNOR
Henry E. Warren, Ashland, Mass.
Application August 20, 1946, Serial No. 691,742
15 Claims. (Cl. 290—4)



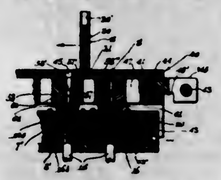
1. In a power system having a plurality of prime movers driving a multiplicity of alternating current generator units connected by tie lines for synchronous operation, a governor for controlling the speed of an alternating current generator unit to maintain the output frequency thereof approximately constant, in combination with a standard frequency generator, a Selsyn actuated by the alternating current of the generator being governed and the alternating current of said standard frequency generator, means connecting said Selsyn to said governor for biasing the latter to eliminate variances between the frequency of the current of the generator being governed and the current of said standard frequency generator, and switch means for disconnecting said Selsyn from the standard frequency generator and connecting the same to the system to be fed by the generator being governed.

2,458,326
APPARATUS FOR REMOVING RESIDUAL THREAD FROM BOBBINS
John J. Wilson, Watertown, Mass., assignor to Dodcam Corporation, West Newton, Mass., a corporation of Massachusetts
Application March 12, 1947, Serial No. 734,284
30 Claims. (Cl. 28—19)



3. Apparatus for removing the residual thread from bobbins which comprises a setaceous member, means for supporting the thread in contact with said setaceous member and effecting a relative tangential movement between them, and means acting independently of said member for rotating the bobbin while in contact with said setaceous member and in the same direction that the thread is wound on the bobbin, whereby the thread-end is picked away from the bobbin.

2,458,327
PRODUCTION OF MOLDED ARTICLES
Robert O. Wood, Upper Montclair, N. J.
Application September 20, 1943, Serial No. 503,119
8 Claims. (Cl. 18—1)



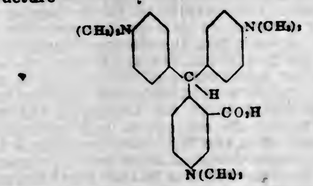
2. The method of producing molded plastic articles having metallic inserts joined thereto in the molds, which consists; providing a molding press having a multiplicity of molding stations in the form of cavities, each provided with a respective recess for retaining a respective one of said inserts; providing a portable device having a frame registerable with said molding press and in which frame are provided a multiplicity of

controllable recesses corresponding in location with the recesses of the said cavities and adapted to be controlled in a manner to retain or to release said inserts; providing a tubular device for storing said inserts in file-formation whereby the same may be distributed into the recesses of said frame; providing guide means on the surface of said frame; then moving the outlet end of said magazine along said guide means quickly to distribute the inserts into the recesses of said frame, registering said frame with the plate of said press, releasing the inserts, removing the frame, and then placing the molding material in the cavities and closing the press under heat and pressure.

3. A portable apparatus for use in loading a molding machine with lugs of the character herein described, comprising a main plate having portions thereof formed to register with the multi-cavity bed-plate of said machine; said main plate having rows of apertures made into its face and extending through its thickness for admitting each a lug into said apparatus; a pair of members associated with each row of said apertures and located beneath said plate; one of said members being held secured to the said plate and the other arranged for movement with respect to the plate; said members having each a series of indentations cooperative with the indentations of the other to form rows of adjustable pockets correspondingly in alignment below the apertures of each of said rows; means connecting all of the movable members associated with the rows, and a common means, pivoted on the said main plate and connected with said first means for simultaneously controlling the adjustment of the said pockets whereby the lugs admitted through said apertures will be effectively held into or released from said apparatus.

2,458,328
2(4,4'BIS DIMETHYLAMINOBENZOHYDRYL)5 DIMETHYLAMINOBENZOIC ACID
Clyde S. Adams, Yellow Springs, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
No Drawing. Application June 16, 1945, Serial No. 599,968
1 Claim. (Cl. 260—391)

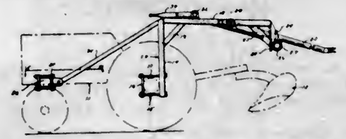
The compound 2(4,4'bis dimethylaminobenzohydryl) 5-dimethylaminobenzoic acid, having the structure



2,458,329
CLAMP FOR APPLYING AND REMOVING JAR COVERS
Edward N. Archer, Inglewood, Calif.
Application March 24, 1945, Serial No. 584,676
1 Claim. (Cl. 81—3.30)

A gripping and supporting clamp for a jar cover of the type having a circumferential skirt, said clamp comprising an arm having a substantially semi-circular flexible jaw portion, a shank extending radially outward of one end of the jaw adapted for connection with a support for holding said arm in fixed position, an ear projecting radially from the opposite end of the jaw, a complementary substantially semi-circular jaw having one end hingedly connected to said shank and an ear projecting radially from its opposite end, said fixed and hinged jaws cooperatively embracing the circumferential skirt of the jar cover, said fixed jaw having teeth extending transversely thereof on its inner side for gripping the jar cover and having a plurality of lugs directed inwardly of its bottom edge so as to engage the bottom edge of the cover skirt, and means engaging said radial ears for releasably clamping the jaws about covers of varying diameter.

2,458,330
SWINGING HITCH
Harold George Bauer, Eden, Idaho
Application June 5, 1946, Serial No. 674,599
5 Claims. (Cl. 280—33.44)

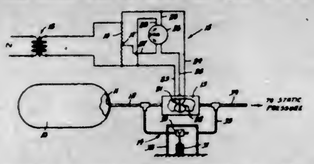


1. An attachment of the kind described, comprising a pair of vertical frame members, clamps for securing said vertical members on a tractor, forwardly extending supporting members fixed to said vertical members, means securing said supporting members to the tractor, horizontal rearwardly extending members fixed to said vertical members, a transverse member fixed between said horizontal members, a lock bar rotatably supporting from said horizontal members, means rotatably supported said lock bar below the rear end of said horizontal members, a lever fixed to said lock bar, a control handle, a link between said lever and said handle whereby pivoting movement of said handle effects rotation of said lock bar, said link being fastened to the end of said lever and intermediate the length of said handle, a drawbar pivotally secured to said transverse member and engageable on said pivot member, and a lock member fixed to said lock bar for holding said drawbar on one side thereof, said lock member comprising a plate having an outer edge perpendicular to said lock bar, and spaced inwardly from said bar supporting means.

2,458,331
FLOWMETER
George L. Borell, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 25, 1945, Serial No. 590,227
4 Claims. (Cl. 73—204)

4. In a device of the class described, an enclosed fluid reservoir, conduit means for connecting said reservoir to a source of static pressure, said conduit means including a hot wire

flow responsive means, additional conduit means connected to said first named conduit means and by-passing said flow responsive means, valve means for controlling flow through said addi-



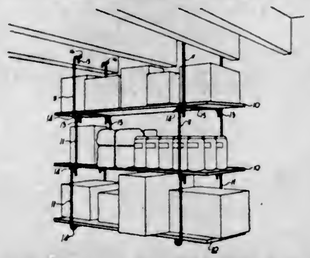
tional conduit means, and pressure responsive means for actuating said valve means, said pressure responsive means being connected and arranged for responding to said static pressure.

2,458,332

SHELF HANGER

Francis Boschan, Philadelphia, Pa.

Application June 3, 1947, Serial No. 752,136
2 Claims. (Cl. 248—249)



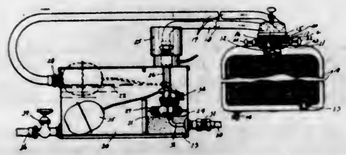
1. A shelf hanger unit of a single piece of wire comprising spaced vertical side arms disposed in the same plane, a supporting hook at the upper end of each of the side arms and disposed in the same plane as the side arms, loops at the lower ends of the side arms adapted for engagement by supporting hooks of a hanger unit therebelow, said loops being disposed in planes normal to the plane in which the side arms are disposed, and a horizontally disposed shelf supporting cross arm connecting said loops, said cross arm being spaced from said side arms by said loops, said loops extending below said cross arms thereby providing for insertion and removal of the hooks of a hanger unit therebelow without removal of the shelf supported on said cross arm.

2,458,333

METHOD AND APPARATUS FOR CLEANSING WATER-COOLING SYSTEMS AND THE LIKE

Francis E. Brady, Jr., Muncie, Ind.

Application August 16, 1946, Serial No. 691,078
6 Claims. (Cl. 134—24)



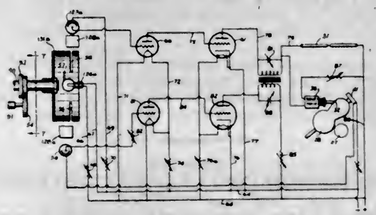
1. Apparatus for cleaning and flushing cooling systems and the like having an opening therein, comprising a fitting having inlet and outlet conduits adjacent each other, means for sealing said fitting over said opening with said conduits communicating with the interior of said system, a water containing tank having a compartment in liquid communication therewith for receiving a cleaning compound, a fresh water inlet connection with said tank, a float controlled valve for controlling said fresh water inlet for preventing intake of fresh water when the water in said tank is at a predetermined level, a motor driven mixing pump in said compartment in fluid connection with said inlet conduit for forcing a cleaning solution therethrough, a fluid connection for delivering fluid from said outlet conduit back to said tank for continued circulation of the cleaning fluid through said system and tank, and a drain valve connected with the bottom of said tank for draining the circulating cleaning solution therefrom and permitting the water level in said tank to drop causing said float controlled valve to admit fresh water thereto for forced circulation through said system to effect the flushing of the cleaning fluid therefrom.

2,458,334

LIGHT CONTROL

John Broslus, Jr., Seattle, Wash.

Application September 10, 1946, Serial No. 695,969
10 Claims. (Cl. 315—155)



1. A stroboscopic light control for a motion picture projector comprising a drive shaft rotatable at a constant speed and a light source including a transformer, the light source being connected to one side of the primary winding of said transformer, a thyratron tube connected to the other side of said primary winding for causing an electron flow in said primary winding, a second thyratron tube connected to one side of the secondary winding of said transformer for effecting an electron flow therein in a direction opposite to the flow in the primary thereof, at least one amplifier tube connected to the grid of said thyratron tubes, a light sensitive cell for each of said amplifier tubes for activating the grid thereof whereby the current in said light source is dependent upon the light sensitive cells, a second light source for said light cell, and means actuated in timed relation to said shaft for controlling the light on said light cells whereby the first light source is established and extinguished in timed relation to said shaft.

2,458,335

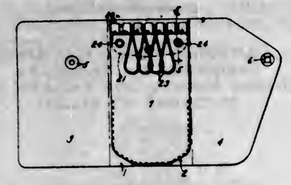
ATTACHING PANEL FOR KEY CASES

Douglas J. Broughton, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts

Application November 8, 1946, Serial No. 708,647
2 Claims. (Cl. 150—40)

1. In a key case, a panel by which a key holding mechanism, having a plate member provided with

key connecting members along its upper edge, is attached to the case which comprises, a piece of flexible material having a front member, flap members extending from the sides thereof and folded rearwardly onto the rear face of said front member, the lower portions of said flap members being secured to the adjacent face of the front member, the upper portions being free of attachment to the front member to provide a pocket in which the plate holding member of the key holding mechanism is positioned with the key



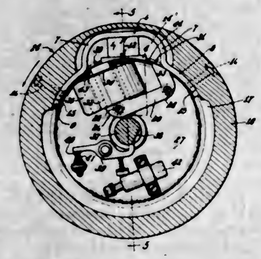
connecting members exposed above and along the upper edge of the front member, a bottom flap extending from the lower edge of the front member and folded rearwardly upon the lower portions of said flap members, the side edges of said bottom flap being secured to the side edges of the front member to form an upwardly opening pocket on the rear face of the panel, means securing the key holding mechanism in the first named pocket and means connecting the upper edges of said side flap members to the keycase.

2,458,336

FIELD MAGNET UNIT FOR FLYWHEEL MAGNETOS

Allen L. Brownlee, West Springfield, Mass., assignor to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts

Application July 16, 1947, Serial No. 761,283
3 Claims. (Cl. 171—209)



1. A three-pole magnetic rotor for a flywheel magneto, comprising in combination, a flywheel rotatable about an axis, two pole shoes of magnetic material having curved polar surfaces of equal radius coaxial with the flywheel and angularly spaced about said axis, a single pole shoe of magnetic material located intermediate the first-named pole shoes and having a curved polar surface of said radius coaxial with the flywheel and having its ends angularly spaced from the adjacent ends of the first-named pole shoes, a single permanent magnet having a straight polar axis located radially of the flywheel and having one polar end fixed to said single pole shoe, and magnetic connections between the other polar end of said magnet and each of the first-named pole shoes, whereby the latter are of like polarity and of a polarity opposite to said intermediate shoe, said shoes being successively different in polarity in the direction of revolution of the rotor.

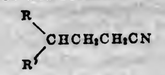
2,458,337

METHOD OF PREPARING GAMMA-DIALKYL BUTYRONITRILES

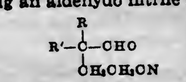
Herman A. Bruson, Rydal, and Thomas W. Riener, Philadelphia, Pa., assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application January 28, 1948, Serial No. 4,924
5 Claims. (Cl. 260—465.1)

1. A method for preparing gamma-dialkyl butyronitriles of the formula



wherein R and R' are alkyl groups, which comprises treating an aldehydo nitrile of the formula



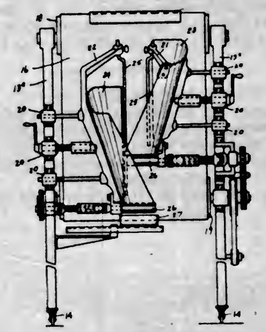
with an organic peroxide as a catalyst and decarbonylating said aldehydo nitrile.

2,458,338

DOUGH FOLDING MACHINE

John Buechek, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakery Machinery Company, St. Louis, Mo., a corporation

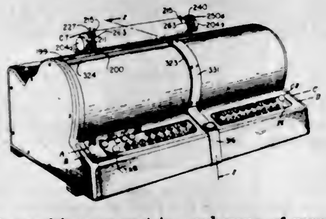
Application September 25, 1943, Serial No. 503,739
4 Claims. (Cl. 107—9)



1. Apparatus for continuously folding a continuously advancing sheet of dough including an endless belt having a downwardly directed run and a pair of confronting elongated U-shaped turning members adjustable towards and away from each other and vertically disposed forwardly of the belt run, with their belt adjacent faces lying substantially coplanar, said belt adjacent faces being generally triangular in projected outline and with their respective base lines disposed uppermost, the opposite faces of said U-shaped members being spaced forwardly from said belt adjacent faces and having a generally triangular projected outline with their vertices uppermost, so as to lie in a reversed relation with

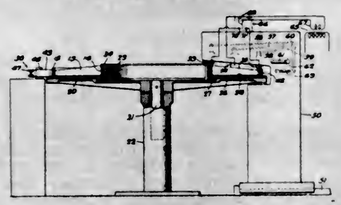
respect to the said adjacent belt faces, the said U-shaped turning members being vertically offset relative to each other in an amount less than the length of either member, elongated means rigid with each turning member and disposed immediately forward of the belt adjacent face for dough sheet travel therebetween and sheet fold location determination, and endless pressure means for each turning member having a portion disposed immediately adjacent the lowermost end of the member and movable with the same.

2,458,339
MACHINE ADAPTED FOR TYPING CHINESE IDEOGRAPHS
Eugen Buhler and Christopher A. Berry, Poughkeepsie, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1946, Serial No. 666,980
29 Claims. (Cl. 197—1)



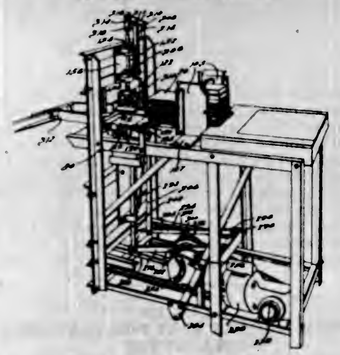
5. A machine comprising columns of recording elements, a device coacting therewith to effect recording on a sheet, drive means for effecting transverse, relative shift between the columns and said device, an emitter operable correspondingly with the transverse shift, column selecting means, and circuits controlled by the emitter and the column selecting means for so controlling the extent of said transverse, relative shift as to present the desired column to the recording device.

2,458,340
METHOD OF ELECTRICALLY WELDING COMPOSITE METAL REEL HEADS
Arthur A. Bureau, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 20, 1944, Serial No. 536,520
3 Claims. (Cl. 219—10)



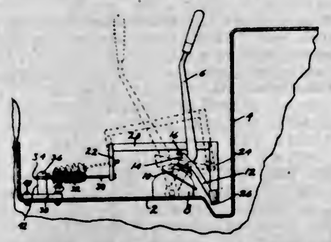
1. A method of forming a reel head comprising assembling inner and outer annular metal members in abutting relation to an intermediate annular metal member, engaging in radial alignment an arcuate portion of substantial length of each of the annular members with individual conforming electrodes, completing circuits to the electrodes to pass a welding current through the intermediate member and alternately the inner and outer members to weld alternately arcuate sections of substantial length of the inner and outer annular members to the intermediate annular member, and thereafter engaging successive portions of the annular members with the conforming electrodes and completing circuits to the electrodes to pass a welding current through the intermediate member and alternately the inner and outer members to weld alternately successive portions of the inner and outer members to the intermediate member.

2,458,341
CARTON FOLDING MACHINE
Andrew R. Cake, Norfolk, Va.
Application August 3, 1944, Serial No. 547,821
19 Claims. (Cl. 93—49)



1. In a machine for folding carton blanks having a bottom, side walls, and end walls and in which said end walls are provided with extensions adapted to fold over corner gussets, means for supporting said blank, means to engage and turn the side and end walls perpendicular to the plane of said bottom, means to engage the corner gussets and cause them to fold inwardly as said walls move, means to fold said extensions inwardly and downwardly over said corner gussets, and movable means engageable with said gussets during the folding of said extensions to hold said gussets in their inwardly folded position.

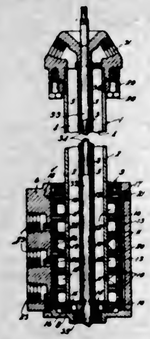
2,458,342
CONTROL LEVER BOOSTER
Harold G. Carbuhn, Spokane, Wash.
Application June 21, 1947, Serial No. 756,117
1 Claim. (Cl. 74—97)



A power booster for a control lever having a pivot point and comprising a U-frame having a short leg and a long leg bent to form a yoke and

a ball bearing in the yoke, an angular arm secured to the lever and rearwardly, spherically recessed to receive the bearing of the long leg, and spring means tensioning the short leg so that the bearing of the arm and the long leg will be above the pivot point or below the pivot point to urge the lever to the manually initiated position.

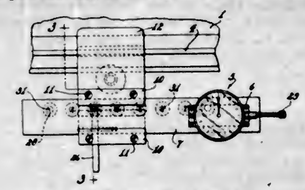
2,458,343
ROTARY SEAL
Emile J. Carleton, Holyoke, Mass., assignor to Hydraulic Engineering Co. Inc., Holyoke, Mass., a corporation of Massachusetts
Application June 18, 1945, Serial No. 600,037
5 Claims. (Cl. 285—97.3)



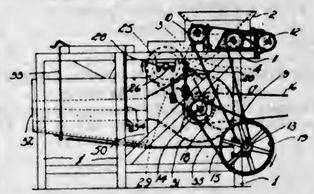
1. A rotary seal device comprising a shaft having a fluid conduit extending longitudinally thereof, a casing having a bore within which one end of the shaft is rotatably mounted, spaced solid, annular bearing members secured to the wall of the bore, a relatively thin bearing ring secured to the wall of the bore between said members, an annular channeled member secured to the shaft with its channel opening toward the shaft and positioned to rotate between said bearing members, the radially inner face of the bearing member and the radially outer face of the channel member being in bearing contact with the shaft and said bearing ring respectively, an opening through the casing in substantial radial alignment with the channel member, opening through the bearing rings, the adjacent wall of the channel member and the shaft to establish constant communication between the casing opening and the conduit in the shaft in all positions of rotation of the shaft with respect to the casing, a drain passage formed in the casing connecting the outer end faces of the bearing members and an opening through the casing from said drain.

2,458,344
PRECISION DIAL INDICATOR MOUNTING FOR MACHINE TOOLS
Richard S. Carroll, Longmeadow, Mass.
Application May 22, 1948, Serial No. 28,686
2 Claims. (Cl. 33—125)

2. A dial indicator and mounting for use on a cutting machine having a traveling carriage which comprises, a supporting member, a bar slidably mounted in said supporting member, a dial indicator fixed to one end of the bar with its actuating stem extending in the direction of the path of movement of the bar relative to the member, a plurality of recesses formed in the bar, frustro-conical seats mounted in the recesses, the centers of said seats being spaced from each other predetermined distances representing major units of measurement for the cutting operation in relation to minor units of measurement indicated on the dial of the stem actuated indicator, a pin having a frustro-conical head reciprocably mounted in the supporting member, a spring engaging the end of the pin opposite the head and urging said head into engagement in a selected frustro-conical seat in the bar, manually operated means for withdrawing said pin from engagement with the seats, and means to releasably clamp said supporting member to the bed of the cutting machine.



2,458,345
APPARATUS FOR THRASHING PODDED OR SHELL INCLOSED FIELD CROPS
John Andries Cass, Mooifontein, Transvaal, Union of South Africa
Application December 3, 1945, Serial No. 632,450
In the Union of South Africa July 16, 1945
8 Claims. (Cl. 130—30)

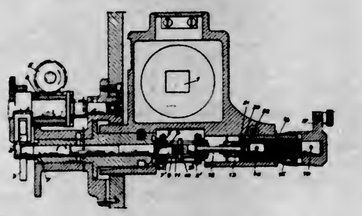


1. In a machine for thrashing podded or shell-enclosed field crops, a rubbing drum, two coacting converging and downwardly sloping feeding belt conveyors, terminal rollers disposed close to one another over which said conveyors pass and closely adjacent to and parallel with said rubbing drum, said rubbing drum being arranged to be rotated with its periphery so close to the feed opening between said rollers, through which opening the crop is adapted to be slowly fed by the belts of said feeding conveyors, that as the pods or shells are projected towards the periphery of the rubbing drum they are, while being held in said feed opening, broken open and split by what is in effect a rubbing or abrading action which takes place between the said drum periphery and one of said terminal rollers, which action thereby releases the kernels and sieving and winnowing means provided at a lower level onto which said kernels drop.

2,458,346
PICTURE CENTERING MECHANISM FOR MOTION-PICTURE PROJECTION APPARATUS
André Marie Bernard Charlin, Montrouge, France
Application June 6, 1947, Serial No. 752,992
In France June 22, 1946
3 Claims. (Cl. 88—18)

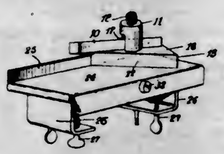
1. A picture centring mechanism for motion picture projection apparatus, which comprises

a Maltese cross driven in the usual manner, a shaft secured to said cross, said shaft having a hollow portion thereon, a drum provided with claws for feeding the film and mounted on said hollow portion, two diametrically opposite oblique slots in the hollow portion of the shaft, two oblique slots in the drum which cross these of the shaft, a rod arranged in alignment with the first mentioned shaft and engaging with its end in the hollow portion of said shaft, a pin



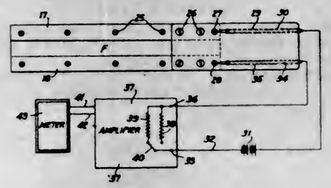
passing through the four slots and said end of the rod, a sleeve supporting said rod, members for locking the rod in the sleeve, a screw secured to said sleeve, a stationary nut co-operating with said screw, an actuating member on the screw a cheek on said hollow portion, a friction plate bearing against said cheek and against one of the faces of said drum, and resilient conical washers pushing said drum against said friction plate.

2,458,347
FORM TOOL GRINDING ATTACHMENT FOR GRINDING MACHINES
William Joseph Christiansen, Bogota, N. J.
Application April 15, 1948, Serial No. 21,163
5 Claims. (Cl. 51—224)



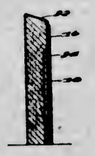
1. In combination, a tool form grinding attachment for a grinding machine, the latter including a tool rest and a grinding wheel, said attachment comprising a tool rest plate having a tool guiding edge, a tool form block having at least one corner forming a predetermined angle between two adjoining sides of the block, means for clamping a tool to said block in a predetermined grinding position with respect to the said one angular corner, said tool form block being manually movable upon the said tool rest plate along the guiding edge thereon with the tool extending from said block into grinding relation with the said grinding wheel to be automatically ground thereby with an angle similar to the said angle of the block as the latter is moved along the said guiding edge with the said adjoining sides in alternate engagement with the edge and means for mounting the attachment upon the tool rest of the grinding machine in operative relation to said grinding wheel.

2,458,348
ELECTRIC RESISTANCE FILM HYGROMETER
Harry W. Cleveland, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 6, 1944, Serial No. 534,416
10 Claims. (Cl. 201—63)



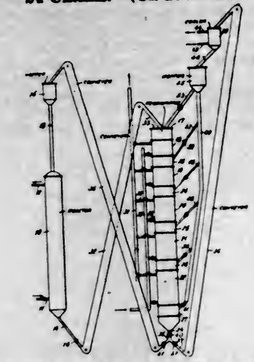
1. A humidity responsive device comprising a pair of resistance elements each composed of a flexible sheet support coated on one side with a thin film of gelatin and placed in support-to-support relation, and a pair of electrode members each including a pair of contact bars engaging opposed surfaces of the respective gelatin films and each pair of contact bars being spaced from the other pair of contact bars to engage spaced surface portions of respective gelatin films.

2,458,349
MOUNT OF CELLULAR MATERIAL HAVING DEPRESSED DISPLAY AREA
Carroll N. Cross, Middleboro, Mass.
Application May 4, 1945, Serial No. 591,993
1 Claim. (Cl. 40—154)



A display mount comprising, a single unitary base member of cellular material having an uncompressed thickness of one-half to three-quarters of an inch and having a weight in the uncompressed state approximating twelve ounces per square foot, the central front area of said base member being depressed to compact said area of the base portion and provide a well in the front face having a depth for receiving sheet-like display material in said well with the front face of the display material substantially in the plane of the uncompressed portion of the base member bounding said well, said base member having a plane flat rear surface over the entire area thereof, a flexible covering material extending over the rear face and edges of said base member and lying along the boundary portion of the front face thereof, a display window attached to and overlying the covering material bounding said well, said window overlying the edges of said covering material and having internal margins extending inwardly over the boundary edges of said well.

2,458,350
METHOD AND APPARATUS FOR CONDUCTING GAS-SOLID CONTACT OPERATIONS
John A. Crowley, Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 14, 1944, Serial No. 568,136
24 Claims. (Cl. 196—52)



1. An apparatus for conducting gas-solid contact operations involving change in heat level which apparatus comprises: a substantially vertical elongated vessel adapted for conducting gas-solid contacting, means to pass a particle form solid material downwardly through said vessel as a substantially compact column, means to substantially change the heat level of at least a part of the contacted solid material particles, a receptacle outside of said vessel, a plurality of downwardly sloping conduits communicating said receptacle with said vessel at a plurality of vertically spaced levels, said conduits extending downwardly into said vessel at a substantial slope with the horizontal so as to permit gravity flow of said solid from said receptacle to said vessel substantially independently of contact and carrier fluid and means to deliver at least part of said solid material, so changed in heat level to said receptacle.

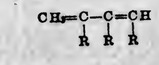
11. The method for conducting gas-solid contact operations involving a change in heat level which comprises: passing a particle form solid material as a substantially compact column downwardly through a contacting zone while contacting it therein with a gaseous material, changing the temperature level of at least part of the contacted solid material in a direction opposite to its change in said contacting zone and admitting, in substantial absence of fluid material flow controlled portions of said solid material so altered in temperature level to said contact zone at a plurality of vertically spaced levels along its length to effect control of the temperature range of the solid material passing through said zone substantially solely by means of said solid material so admitted at said plurality of vertically spaced levels.

2,458,351
HARD RUBBER
Leo J. Cukierski, Melrose Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
No Drawing. Application April 27, 1944, Serial No. 533,059
3 Claims. (Cl. 260—727)

1. A hard rubber dust filler substitute for use with sulphur-vulcanizable compositions of the group of natural rubber and synthetic rubber in making hard material, which consists of a mill ground soft rubber of vulcanized condition in minute particle form, the particles plastic on the surface only and the mass just short of a condition of sheeting on the mill.

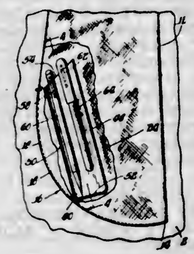
2,458,352
METHOD OF PREPARING MOLECULARLY ORIENTED COPOLYMERS OF ACRYLONITRILE, BUTADIENE 1,3, AND DIETHYL MALEATE
Gaetano F. D'Alelio, Cleveland, Ohio, assignor to Fro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware
No Drawing. Application April 3, 1947, Serial No. 739,266
19 Claims. (Cl. 260—82.4)

1. A composition suitable for use in producing articles of desired shape comprising a liquid nitroalkane and a polymerization product of a mixture consisting of 10 to 25 parts of a diene of the formula



wherein R is hydrogen and methyl, 70 to 80 parts acrylonitrile and 5 to 25 parts of diethyl maleate, said composition being a workable cohesive gel.

2,458,353
MEN'S TROUSERS
Ted S. Decker, Chicago, Ill., assignor to Society Brand Clothes, Inc., a corporation of Illinois
Application May 5, 1945, Serial No. 592,129
2 Claims. (Cl. 2—250)



1. A pair of trousers having the usuel pair of front trouser pockets disposed at the side of the trousers with the mouths of the pockets substantially vertical and disposed substantially as an upper continuation of the side seams of the trousers, and an elongated, relatively narrow pocket adapted to receive a pencil or pen and formed in association with the inner wall of one of said side pockets, the mouth of said second pocket being disposed inside said first named pocket and adjacent to the mouth thereof, said second pocket extending downwardly and wholly within the confines of said first named pocket and the wall of said second pocket having a free edge at the mouth of the first pocket spaced from the walls of said first named pocket and adapted to be received between a pencil or pen and a clip mounted on said pencil or pen.

2,458,354
ELECTRIC STRAIN DEVICE WITH TEMPERATURE COMPENSATOR
Alfred V. de Forest, Marlboro, N. H., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application January 20, 1945, Serial No. 573,801
20 Claims. (Cl. 201—63)

1. In combination, a member adapted to be strained, an electrical conducting filament whose resistance varies with strain connected to said member so that a change of strain therein is transmitted to said filament thereby to vary its resistance, temperature compensating means for controlling the strain of said member automatically in accordance with temperature changes, and means for varying the compensating action of said temperature compensating means.

2,458,355
COPOLYMERS OF 2-ACYLAMINO-1,3-BUTADIENES AND VINYL COMPOUNDS
Joseph B. Dickey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 22, 1945, Serial No. 637,097
11 Claims. (Cl. 260—86)

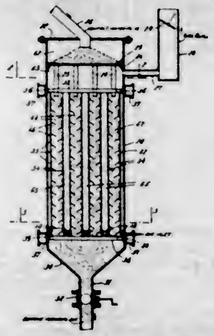
1. A copolymer derived by polymerization of a mixture including from about 1 to 99 molecular parts of a conjugated diene of the general formula:

$$CH_2{=}CH{-}C{=}CH_2$$
$$\quad\quad\quad |$$
$$\quad\quad R{-}N{-}R_1$$

wherein R represents a member selected from the group consisting of hydrogen, an alkyl group, an aryl group of the benzene series, and the acyl radical of a carboxylic acid; and R_1 represents the acyl group of a carboxylic acid, each of said radicals having not more than 12 carbon atoms in the chain, and from about 99 to 1 molecular parts of a polymerizable monomeric ethylenically unsaturated organic compound.

2,458,356
METHOD AND APPARATUS FOR BURNING CONTAMINANTS FROM A MOVING BED CONTACT MASS
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 19, 1944, Serial No. 523,105
12 Claims. (Cl. 252—242)

1. A process for conducting regeneration of a particle-form solid contact mass material by burning of a contaminant deposit thereon with a combustion supporting gas comprising: flowing said particle-form solid contact material and said combustion supporting gas through a confined regeneration zone in a plurality of independent alternate gas and solid streams, maintaining each of said solid streams in substantially free contact at a plurality of surfaces along two longitudinal opposite boundaries thereof with a solid particle-free gas stream, each of said solid streams being a laterally confined, upright, substantially compact column of particle-form solid gravitating downwardly in a zigzag fashion so as to continuously interchange solid particles within said column with those at said plurality of surfaces, continuously replenishing said columns at their upper ends with contaminant bearing material and continuously withdrawing regenerated contact material from the lower ends of said columns at such a rate as to maintain said columns filled and as to insure adequate burning of the contaminant deposit, continuously supplying combustion supporting gas at a controlled rate and temperature along one of the vertically extending extremities of alternate members of said gas streams, flowing said gas in a substantially horizontal direction in said alternate members of said gas streams, withdrawing gas from the opposite vertically extending extremity of each of said gas streams,

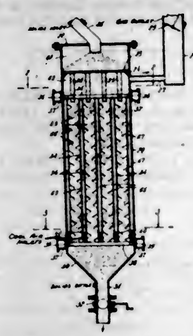


continuously supplying combustion supporting gas at a controlled rate and temperature to the remaining gas streams along those vertically extending extremities which are adjacent the extremities of gas withdrawal in said first named alternate gas streams, flowing said gas in said last named remaining gas streams in a substantially horizontal direction opposite to the direction of flow in said first named gas streams, withdrawing gas from the opposite vertically extending extremities of said last named gas streams, said controlled rate and temperature of gas supply to said streams being such as to support combustion of said contaminant and to remove as increased sensible heat in the effluent gas at least most of the heat liberated by said combustion.

2,458,357
METHOD AND APPARATUS FOR CONDUCTING REACTIONS IN THE PRESENCE OF A CONTACT MASS
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 19, 1944, Serial No. 523,106
9 Claims. (Cl. 252—418)

1. A process for burning carbonaceous contaminant deposits from particle form solid contact materials which comprises: maintaining a substantially compact column of downwardly gravitating particle form contact material, withdrawing regenerated contact material from the lower section of said column and replenishing said column with contaminant bearing contact material at its upper end, passing a combustion supporting gas stream along at least one of the longitudinal sides of said column while effecting free contact between said gas stream and said column at a plurality of locations along at least a portion of said longitudinal side of said column

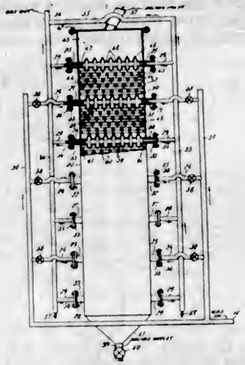
in the absence of any substantial flow of said gas transversely across said column, supplying combustion supporting gas to said stream at a temperature substantially below the range of contact material regeneration temperatures within said column, and maintaining a balanced relationship between the amount of contaminant combustion conducted in the column, the rate and temperature of combustion supporting gas supply to said gas stream and the pressure drop due to gas flow in said gas stream wherein the pressure drop due to gas flow in said gas stream is at least about 0.5 to 1.0 inch of water per foot in the direction of gas flow for contact material



particle diameter of the order of 0.16 to 0.06 inch respectively but insufficient to cause substantial boiling of the contact material in said column, and wherein the rate and temperature of combustion supporting gas supply to said gas stream are that which will remove as increased sensible heat in the effluent gas at least a major portion of the heat released by the contaminant combustion occurring in said column without cooling the contact material below an efficient contaminant combustion temperature to thereby effect regeneration of said contact material at a regeneration temperature range which is below the level at which the contact material would suffer heat damage.

2,458,358
PROCESS OF REGENERATING A MOVING BED OF SOLID CATALYST
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 14, 1944, Serial No. 526,454
2 Claims. (Cl. 252—418)

1. A method for regenerating particle form contaminant bearing adsorbents by the action of a combustion supporting gas comprising: maintaining a substantially compact, elongated column of downwardly moving adsorbent particles, continuously replenishing said column with spent adsorbent at its upper end and continuously withdrawing regenerated adsorbent from the lower end of said column, introducing a plurality of feed streams of combustion supporting gas, existing at a temperature substantially below the temperature in said column, into said column at a plurality of spaced apart levels along its length, splitting each of said feed streams into two portions, passing one portion of each feed stream in a winding upward direction through said column from the level of its introduction as a plurality of confined tortuous secondary streams from which gravity flow of solid particles is excluded and which are uniformly distributed across said column, said confined secondary streams being open along their undersides to the column so as to permit direct contact between the gas and the solid particles, withdrawing said secondary streams from said column at levels along its length intermediate said levels of gas introduction, similarly passing the other portion of each feed stream downwardly through the column as a plurality of similar confined secondary streams and similarly withdrawing the gas from said last named secondary streams from the column at levels intermediate said levels of gas introduction, con-

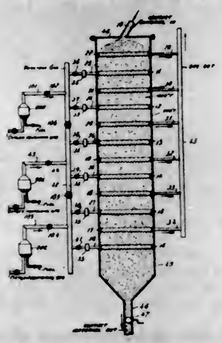


trolling the rate of introduction of each of said gas feed streams into said column insufficiently in excess of that required to support the contaminant combustion in the portion of the column through which it flows to cool the adsorbent below an efficient contaminant combustion temperature but sufficient to remove from the column as increased sensible heat in the gas the excess heat liberated by said contaminant combustion, and at the same time maintaining the pressure drop due to gas flow in said secondary confined streams below that which would cause boiling of the adsorbent column but sufficiently high to force a substantial amount of gas from said secondary streams to flow into the column and through the column between the adsorbent particles.

2,458,359
PROCESS OF MULTIPLE-ZONE REGENERATION OF A MOVING BED CATALYST
Louis P. Evans, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 5, 1944, Serial No. 534,188
5 Claims. (Cl. 252—242)

1. A method for regenerating particle form contaminant bearing inorganic adsorbents by the action of a combustion supporting gas comprising: maintaining a substantially compact, elongated column of downwardly moving inorganic adsorbent particles, continuously replenishing said column with spent adsorbent at its upper end and continuously withdrawing regenerated adsorbent from the lower end of said column, introducing a plurality of feed streams of combustion supporting gas, existing at a temperature substantially below the temperature in said col-

umn, into said column at a plurality of spaced apart levels along its length, splitting each of said feed streams into two portions, passing one portion of each feed stream upwardly through said column from the level of its introduction and passing the other portion of each stream downwardly through said column to effect combustion of the contaminant on said adsorbent, withdrawing gaseous combustion products from said column at a plurality of levels intermediate said levels of gas introduction, controlling the temperature and rate of said gas introduction at said plurality of levels to effect removal as increased sensible heat in the effluent gas of an amount of heat approximately equal to that released by the contaminant combustion in said column and maintaining the flowing contact material at most of the successive levels of gas withdrawal from said column at substantially the same intermediate temperature within the critical range defined by the minimum temperature required for rapid combustion of the contact combustion and the mixmum temperature above which the contact material will suffer heat damage, whereby the contact material as it flows downwardly achieves about the same intermediate temperature at most successive levels of gas withdrawal and achieves a maximum temperature at levels in said column intermediate any given level of gas withdrawal and the level of gas introduction next below and achieves a minimum temperature at levels in said column intermediate any given level of gas introduction and the level of gas withdrawal next below, and limiting the maximum and minimum temperatures reached by the contact material at said intermediate levels within said critical range of temperatures by controlling the rate of contact material withdrawal from the lower end of said column.



2,458,360
CLOSURE DEVICE
Joseph W. Fay and Rudolph Fay, Villa Park, Ill.; said Rudolph Fay assignor to said Joseph W. Fay
Application February 23, 1944, Serial No. 523,536
2 Claims. (Cl. 215—43)

1. A closure device for receptacles wherein a vacuum is developed in the receptacle by cooling of the contents thereof, comprising a curvilinear sealing disk characterized by its ability to be held in concave form by the greater pressure externally of the receptacle and capable by its inherent resiliency of assuming a convex form when the pressure upon opposite sides of the disk becomes substantially equalized, a cap having a skirt portion for threaded engagement with said receptacle and a portion adapted to engage and urge said sealing disk into sealing engagement with said receptacle, a boss pressed upwardly from the top of said cap and having a slot at two opposite ends thereof to receive an implement for turning said cap onto and off of said receptacle, and said boss having a central opening through which access may be had to said sealing disk.

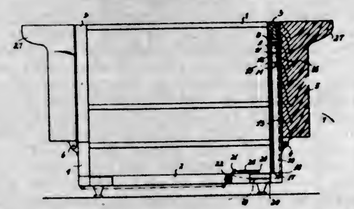
2,458,361
AIRWAY TRAFFIC CONTROL SYSTEM
Oscar S. Field and Sedgwick N. Wight, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application July 29, 1944, Serial No. 547,175
53 Claims. (Cl. 343—112)

1. In an airway traffic route signalling system, the combination with an airway traffic route consisting of at least one rearwardly directed radio energy emitting ground station and having associated therewith forwardly directed radio receiving ground apparatus, a plurality of airplane carried radio stations each including forwardly directed radio receiving apparatus and rearwardly directed radio transmitting apparatus, and means for interconnecting such radio energy emitting ground station with its associated radio receiving ground apparatus so as to cause such radio energy emitting ground station to emit a distinctive radio signal of restrictive significance to an airplane carried radio station in the rear when such associated radio receiving ground apparatus is activated by a forwardly located receding airplane carried radio station.

2,458,362
ABRASIVE CUTTING ROLL
Henry Marshall Field, Dayton, Ohio
Application April 2, 1947, Serial No. 738,821
4 Claims. (Cl. 5—190)

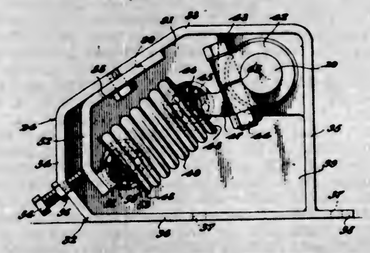
1. An abrasive roll comprising an elongated blank, flexible material having an abrasive surface and a smooth surface, adhesive material along the longer longitudinal edge of said blank, said blank being rolled upon itself to form a cylindrical body, said one longitudinal edge having V-shape tangs struck therefrom providing a series of V-shaped openings, said tangs engageable through said openings in the overlying layer of said body for interlocking the successive layers of said roll.

2,458,363
CONVERTIBLE FURNITURE
Bernard Finer, New York, N. Y.
Application July 2, 1946, Serial No. 681,018
1 Claim. (Cl. 155—46)



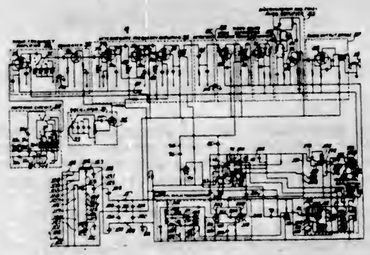
A piece of furniture adapted to be converted into an armchair or into a bed, comprising a main frame composed of two vertical rear and two vertical front posts, braces connecting the said posts, two side rests having outflaring portions at the upper end hingedly connected with a pair of said posts consisting of one front and one rear post, said side rests being adapted to be swung from the upright position adjacent to said posts into a horizontal position and to be supported in this position by said outflaring portions and further adapted to be reswung into the upright position, vertical recesses in said rear posts, means in said recesses to automatically lock said side rests in the upright position adjacent to said vertical posts, said means including hooks connected to said side rests, vertically displaceable locking rods to engage said hooks, two pulling wires fastened to said rods, two springs surrounding said rods and fastened to said posts to be compressed by the downward displacement of said rods, a shaft journalled in said frame, a double arm lever carried by said shaft, the ends of said lever being connected with said two pulling wires, and a foot pedal to rotate said shaft and to thereby pull said rods out of engagement with said hooks and to release said side rests for a down-swing exercised by the weight of said outflaring portions.

2,458,364
CLUTCH ACTUATOR AND ADJUSTER
Edwin E. Foster, Austin, Tex.
Application May 26, 1943, Serial No. 488,605
8 Claims. (Cl. 192—89)



1. A device for aiding the operation of a spring urged clutch of a vehicle and the like comprising a frame secured to the vehicle and operatively connected to a shaft of a clutch operator, a bracket mounted on the frame, a clamp member secured on the shaft, and a compression spring mounted between the bracket and the clamp member to assist the operation of the clutch by overcoming a part of the force exerted by the clutch spring.

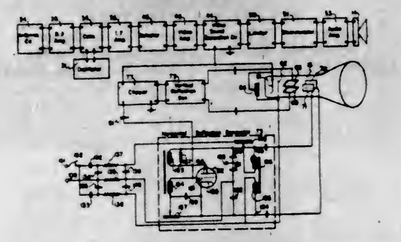
2,458,365
TELEVISION RECEIVER
George W. Fyler, Lombard, Ill., assignor to Motorola, Inc., a corporation of Illinois
Application September 11, 1946, Serial No. 696,129
14 Claims. (Cl. 250—27)



1. In a television receiver including a cathode ray tube and a plurality of other thermionic vacuum tubes for translating signals to be displayed on said cathode ray tube and for producing voltages for accelerating and deflecting the beam of said cathode ray tube, and in which said tubes include heaters adapted to be electrically energized and plate loads adapted to be connected across sources of direct current potential; a power supply system adapted to be energized by a source of single phase alternating current, comprising means for connecting said heaters to said alternating current source in a series-parallel arrangement, a pair of rectifiers connected to said alternating current source in a voltage doubler circuit to provide a direct current network, and means for connecting said plate loads to said direct current network in a series-parallel arrangement so that the load on said power supply system is made a minimum.

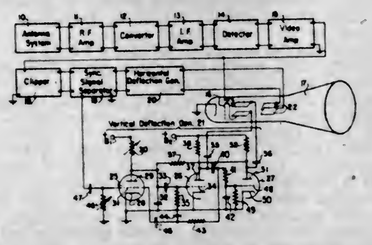
4. In a signal translating device including a direct current power supply having terminals maintained at positive and negative potentials and a terminal maintained at an intermediate potential substantially half way between said positive and negative potentials, an amplifier including first and second electron discharge valves each including at least a cathode, a grid and a plate, means for applying a signal to be amplified to said grid of said first valve, means for applying the amplified signal from said plate of said first valve to said grid of said second valve, means including a variable resistor for connecting said cathode of said first valve to said negative terminal, means providing a direct current path between said plate of said first valve and said cathode of said second valve, means for connecting said plate of said second valve to said positive terminal, and means for coupling said grid of said second valve to said terminal of intermediate potential, whereby by control of said resistor the plate current of said first and second valves is controlled.

2,458,366
SAW-TOOTH VOLTAGE GENERATOR
George W. Fyler, Lombard, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Original application September 11, 1946, Serial No. 696,129. Divided and this application April 10, 1948, Serial No. 20,250
17 Claims. (Cl. 250—36)



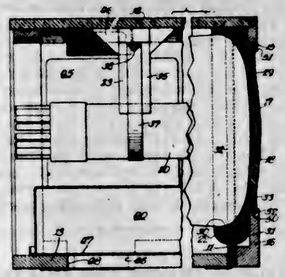
15. A sawtooth voltage generator circuit comprising, condenser means, means for charging said condenser means at a uniform rate, an electron discharge valve having input and output electrodes, a transformer having primary and secondary windings, said output electrodes of said valve and said primary winding being connected across said condenser means and forming a series resonant circuit thereby in which oscillations can take place when said valve conducts, said secondary windings being connected to said input electrodes of said valve to transfer energy thereto for rendering said valve more conductive, differentiating circuit producing pulses from the sawtooth voltage wave in the output circuit of said second valve for rendering said first valve conductive to discharge said condenser, a third electron discharge valve including input and output circuits, means for applying a portion of the output voltage wave produced by said second valve to said input circuit of said third valve so that a pair of balanced voltage waves are produced in said output circuits, means for applying said output voltage waves to said deflection plates including a pair of small condensers which attenuate the low-frequency components thereof, and means for accentuating the low frequency response of said generator comprising a feedback path from the output circuit of said third valve to said condenser which is independent of said charging means so that the amplitude of said sawtooth voltage wave developed across said condenser can be varied by said charging means independently of said means for accentuating said low frequency response, the sawtooth voltage in said output circuit of said third valve being in phase with the voltage across said condenser so that an increasingly greater voltage is applied to said condenser and the voltage developed thereacross builds up at a rate which increases with time.

2,458,367
SAW-TOOTH VOLTAGE GENERATOR
George W. Fyler, Lombard, and Garth J. Heisig, Chicago, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application January 23, 1948, Serial No. 4,048
11 Claims. (Cl. 315—29)



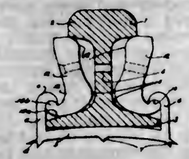
10. A sawtooth voltage generator adapted to produce balanced potentials for the deflection plates of a cathode ray tube for deflecting the beam of said tube, comprising a condenser, means including a source of potential for charging said condenser at a variable rate, a first electron discharge valve connected across said condenser for discharging the same so that a sawtooth voltage wave is developed thereacross, a second electron discharge valve including input electrodes connected to said condenser and an output circuit in which an inverted and amplified sawtooth wave is produced, a differentiating circuit coupling said output electrode of said second valve to said input electrodes of said first valve, said

2,458,368
TELEVISION RECEIVER CABINET AND CATHODE-RAY TUBE MOUNTING
Vernon A. Kamin, Elgin, and Lawrence J. Mattingly and Raymond R. Wingert, Chicago, Ill., assignors to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application January 10, 1948, Serial No. 1,593
9 Claims. (Cl. 178—5.8)



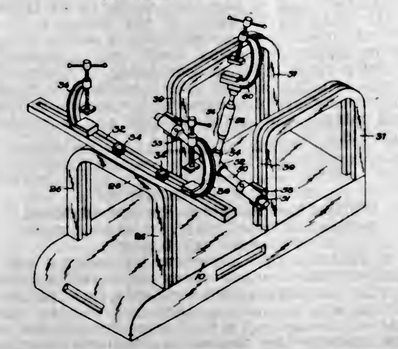
9. A television receiver comprising a cathode ray tube having an enlarged front portion, a walled cabinet the inside vertical dimension of which is substantially the same as the diameter of said enlarged portion of said tube, said cabinet having a front wall with a closed transparent portion and a portion with openings therein, a resilient mask engaging said front wall and positioned about said transparent portion, a receiver chassis supported on the bottom wall of said cabinet, said chassis having a cut-out portion therein on the side adjacent said transparent portion of said cabinet front wall, and circuit components mounted on said chassis on the other side thereof adjacent said front wall of said cabinet, said components having controls extending through said openings in said front of said cabinet, said cathode ray tube being positioned in said cabinet with the enlarged end portion thereof extending into said cut-out portion of said chassis and engaging said mask.

2,458,369
RAIL JOINT
Louis Gagnon, Sault Ste. Marie, Ontario, Canada
Application June 28, 1947, Serial No. 756,434
In Canada May 29, 1947
3 Claims. (Cl. 238—212)



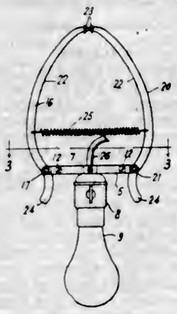
1. In a joint for adjoining rail ends of the type including head, base and connecting web portions, a base plate transversely curved throughout its length to initially present an upper convex surface to receive and support the base portions of the rail ends upon one or more ties, said plate including upstanding side flanges, a pair of fish plates, each of said fish plates including a lower portion having a convex under surface adapted to be rockingly and slidably engaged with the upper surface of the rail base flange and a laterally extending tail piece interlocked with a side flange on said base plate and an upper portion which upon rocking of said fish plate inwardly toward the rail web portion wedges against and imparts an upward thrust to the under face of the rail head portion thereby causing a sliding motion of the convex under surface of said fish plates on the upper surface of said rail base flange, and tightening bolts extending through said fish plates and the web portions of the adjoining rail ends for rockingly drawing said fish plates inwardly thus affecting said upward thrust of the fish plates against the head portions of the rail ends and simultaneously exerting a lifting force upon said side flanges to thereby strain the initially convex base plate into contact with the base portions of the rail ends throughout substantially the entire width of the latter.

2,458,370
APPLIANCE FOR USE IN REPAIRING AUTOMOBILE BODIES
John W. Geddes, Boston, Mass., assignor to H. K. Porter, Inc., Everett, Mass., a corporation of Massachusetts
Application August 3, 1944, Serial No. 547,917
3 Claims. (Cl. 29—239)



1. A device for positioning automobile parts while they are being worked upon comprising a base adapted to support strain, a standard extending along one end thereof providing for the support of clamping devices, a pair of parallel frames of general inverted U shape remote from said standard and disposed in planes transverse to said end, a pair of shaft-supporting elements having shaft-receiving eyes and parts which seat on the periphery of the frames to dispose the planes of the eyes perpendicular thereto, means for clamping the elements to the frames at selected positions throughout at least a major portion of the perimeter thereof, a cross-shaft received in the eyes and a sleeve slidably mounted on the shaft and having a laterally presented coupling for securing an extensible leg or like utensil.

2,458,371
SPRING CLAMP FOR HOLDING ELECTRIC LAMPS
George F. Grice, Jamaica, N. Y.
Application September 11, 1946, Serial No. 696,147
2 Claims. (Cl. 248—226)

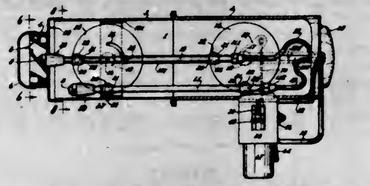


1. An electric lamp holder comprising a two part cross bar, the parts of the bar having recesses for receiving and retaining a lamp socket, means for fastening the parts together, each of said parts having lugs and these lugs of the respective parts being aligned with one another to provide bearings, holder levers pivotally connected to the bearing lugs and at the opposite sides of the cross bar and having upper ends cooperating with one another and adapted to lie on the opposite sides of a girder or the like when the holder has been connected thereto, said levers having loop portions whereby they may contain or surround the girder, and a spring connected between the loop portions of the lever to urge the levers toward one another, and handle portions depending respectively from the levers.

2,458,372
ATOMIZING OIL BURNER OF THE HIGH-LOW TYPE
Herman O. Grimmelsen, West Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application March 3, 1947, Serial No. 731,902
2 Claims. (Cl. 158—28)

1. In a gun type oil burner, having a tube through which air for combustion is delivered and an air director in said tube having vanes for whirling such air, two nozzles having different firing rates, both nozzles being located in said tube and adapted to be used one at a time, oil

supply means, valve means for connecting either nozzle to the oil supply means and disconnecting the other nozzle therefrom, each nozzle being shiftable in said tube from a firing position in which it lies coaxial with said air director to an inactive position in which it lies in back of one of the vanes of said air director and is shielded by

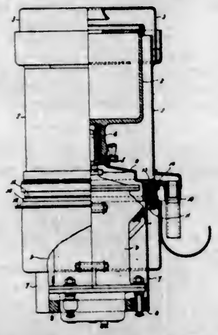


such vane from heat reflected back from the fire produced by the burner, and means operable as either nozzle is connected to the oil supply means to shift such nozzle into firing position and operable as either nozzle is disconnected from the oil supply means to shift such nozzle into inactive position.

2,458,373
PROCESS FOR PREPARING NITRILES OF DICARBOXYLIC ACIDS
Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application August 10, 1945, Serial No. 610,197
2 Claims. (Cl. 260—465.2)

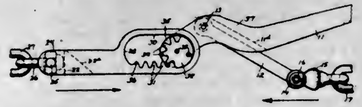
1. A method of preparing nitriles of adipic and sebacic acids which comprises continuously passing through a packed pyrolysis tube in which a temperature of 350–550° C. is maintained a compound in liquid phase selected from the group consisting of the amides and the ammonium salts of adipic and sebacic acids and passing through the tube countercurrently to the liquid for a contact time of 4–6 seconds an aliphatic acid anhydride in vapor phase.

2,458,374
RAYON AND LIKE SPINNING MACHINES
Walter Hartley, Radcliffe, England
Application June 14, 1947, Serial No. 754,638
In Great Britain July 27, 1946
6 Claims. (Cl. 57—77)



1. In a machine for rayon and like pot spinning a circular container, said container having at one end a diameter sufficient to allow the spinning pot to be inserted and removed easily, a detachable cover to said container, a fixed bottom to that part of said container in which the pot is mounted, a central hole in said bottom, a lower part of said circular container and of less diameter than said part containing the pot, an electric motor housed in said lower narrower part, a spindle on said motor passing through said hole in said bottom and on which the pot is mounted to rotate, a flexible mounting on the underside of said bottom and external of said narrower part, the machine frame having a circular wall forming an opening for receiving the lower part of the container and said flexible mounting resting on the top of said wall thereby to support the entire container and its contents.

2,458,375
GEAR RACK LOAD BINDER
Leo Haubert, Tulsa, Okla.
Application September 27, 1946, Serial No. 699,873
20 Claims. (Cl. 24—68)



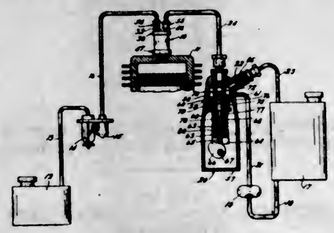
1. A load binder comprising, in combination, a lever, a link or clevis pivotally connected to the lever near its fulcrum, a partially formed gear fixed to the lever at its fulcrum, a rack member with which the teeth of the gear mesh to provide a shifting fulcrum for the lever, said rack member having means limiting travel of the gear and hence swinging of the lever, and separate means facilitating attachment of the free end of the link or clevis and the end of the rack to a load-binding element.

2,458,376
PHOTOGRAPHIC DEVELOPER ANTIOXIDANTS
Richard W. Henn, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 14, 1946, Serial No. 654,527
7 Claims. (Cl. 95—88)

1. A composition of matter adapted to form a developing solution having a low sulfite ion concentration and a high resistance to oxidation when dissolved in water in the presence of a strong inorganic base, comprising a photographic silver halide developing agent and a member selected from the class consisting of cyclohexanone-bisulfite, methyl cyclohexanone-bisulfites, mixtures of cyclohexanone and a soluble sulfite, and mixtures of cyclohexanone and a soluble bisulfite.

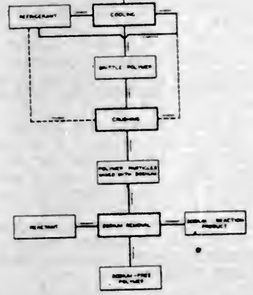
2,458,377
LIGHT FUEL INJECTOR
William Earl Hennings, Springfield, Mass.
Application June 3, 1944, Serial No. 538,657
5 Claims. (Cl. 103—41)

1. Fuel injection apparatus for internal combustion engines which comprises, a fuel injector having a moveable wall member, a fuel chamber at one side of said member for receiving fuel under pressure and a fluid pressure chamber at the opposite side thereof, a discharge opening from the fuel chamber, a spring loaded discharge valve closing said opening, a spring acting against the piston in the same direction as does the fuel pressure, an independent oil supply for said fluid pressure chamber, pump means for maintaining the supply of oil to the fluid pressure chamber and for maintaining the oil pressure in said cham-



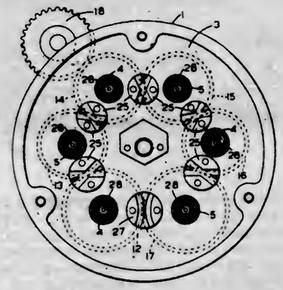
ber above the pressure of the fuel but less than the combined pressures of the fuel and the spring and a second pump acting on the oil supplied to the fluid pressure chamber to intermittently increase the pressure of the oil above the combined pressures of the fuel and the spring.

2,458,378
PROCESS OF SEPARATING METALLIC SODIUM FROM HIGH MOLECULAR WEIGHT POLYMERS MADE BY POLYMERIZATION OF VINYL COMPOUNDS
Glenn Herbolsheimer, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 7, 1946, Serial No. 639,668
11 Claims. (Cl. 260—86.5)



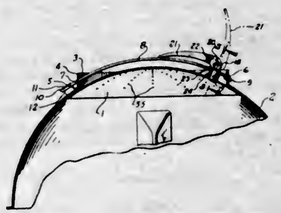
1. A process for the separation of metallic sodium from a high molecular weight organic polymer resulting from the mass polymerization of a vinyl compound with metallic sodium which comprises cooling said polymer containing metallic sodium to a temperature at which the polymer is frangible, disintegrating said polymer while it is at said temperature and thereby exposing the individual particles of metallic sodium contained in the polymer, and reacting the resulting disintegrated mass of sodium and polymer with a sodium reactant selected from the group consisting of water and normal and iso alcohols containing from 1 to 5 carbon atoms per molecule, and separating the sodium reaction product from said polymer.

2,458,379
BRAIDING MACHINE
Percival Leonard Hobourn, Leamington Spa, and William Henry Joy, Coventry, England
Application January 7, 1947, Serial No. 726,502
In Great Britain January 15, 1946
3 Claims. (Cl. 87—50)



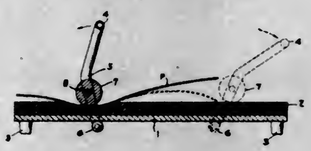
1. Improvements connected with braiding machines comprising in combination a base member; a plurality of circumferentially adjacent notched discs in driven geared relationship mounted on said base member and adapted to engage only the bases of each of the wanderer spindles and carry same, the guiding lugs of said wanderer spindles being free from bearing relationship over the major part of their travel; members adapted to circumferentially surround said notched discs and lie in the same plane thereof to retain said wanderer spindles thereon; and guide members mounted on said base member under the circumferential junctions of the notched discs at which point the guiding lugs of said wanderer spindles engage said guide members to effect directional control of said wanderer spindles.

2,458,380
CLOSURE FOR LAUNDRY MACHINE TUBS
John F. Horvath, Milwaukee, Wis., assignor to Appliance Corporation of America, Milwaukee, Wis., a corporation of Wisconsin
Application October 31, 1946, Serial No. 706,870
19 Claims. (Cl. 220—25)



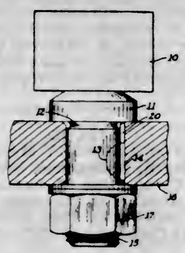
1. A laundry machine tub having a spherically curved upper portion formed with a top opening having around its margin an upstanding lip, said lip having holes on opposite sides of said top opening, a spherically curved door below said top opening and extending beyond all sides thereof when closed, an arcuate slide bar longitudinally movable in said lip holes, said door being supported by said slide bar to move therewith in a curved path longitudinally with relation to the slide bar when the door is being opened and closed.

2,458,281
PHOTOGRAPHIC PRINT STRAIGHTENER
Carter J. Hughey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 30, 1946, Serial No. 713,316
6 Claims. (Cl. 92—76)



1. A print straightener comprising a rigid base with a resilient top surface, a bar having bent ends extending downwardly at each side of the base and tiltable forwardly and backwardly above the base, anti-friction bearings projecting inwardly from the ends of said arms under the base, and a roller pivoted between said arms above the resilient surface and movable thereon with said bar.

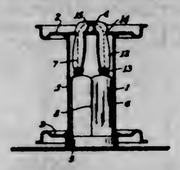
2,458,282
SHOCK TESTING
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 14, 1946, Serial No. 647,586
2 Claims. (Cl. 73—12)



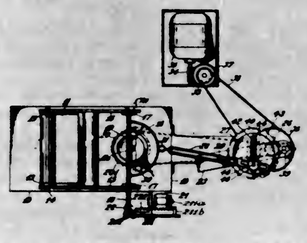
1. The method of testing the ability of an object to withstand shock which comprises placing a metal rod of known tensile strength in a substantially vertical tensioning device with the upper end of the rod forming a substantially horizontal table, placing the object on the table and gradually increasing the tension on the rod until it ruptures.

2,458,383
EXPOSURE-INDICATING SPOOL
Joseph Isaac, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,535
14 Claims. (Cl. 242—71)

1. An exposure-indicating film spool comprising, in combination, a hollow hub, apertured flanges on the hub, a slide member mounted in the hollow hub having a non-signaling position inside the hub and a signaling position projecting at least partially from the hub, and a snap latch element carried by the slidable member and engageable with an aperture in a flange preventing movement of the slide member from its signaling position to its non-signaling position.



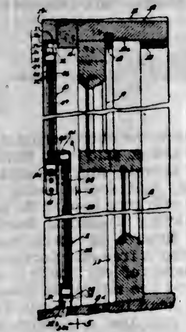
2,458,384
GRINDING OF LENSES OR OF DIES THEREFOR
John Henry Jeffree, Cobham, England, assignor to Combined Optical Industries Limited, Slough, England, a British company
Application March 9, 1945, Serial No. 581,736
In Great Britain October 26, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 26, 1963
2 Claims. (Cl. 51—58)



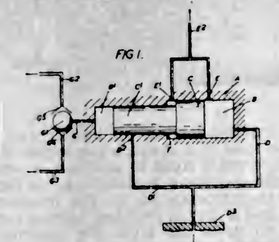
1. In apparatus for grinding or polishing optical surfaces, including aspheric surfaces, the combination of a workpiece holder, means for rotating it about an axis of symmetry of a workpiece thereon, a pivot member, a tool carrier, means for supporting said carrier in sliding engagement with said pivot member, to swing thereabout, with the edge of a tool carried thereby pressed against the surface of a workpiece on said workholder, and means for swinging said edge across said surface with a varied stroke, comprising, a rotatable eccentric pin, a carrier pivoted thereto, a disc journalled on said carrier and rotated by driving connection from said pin, a pin eccentrically mounted on said disc, and driving connections between said last named pin and said tool carrier.

2,458,385
STORM WINDOW ASSEMBLY
Langdon M. Jenness, Palos Heights, Ill., assignor to Werth Insulation & Mfg. Co. Inc., a corporation of Illinois
Application March 9, 1945, Serial No. 581,780
3 Claims. (Cl. 20—55)

3. A storm window assembly including in combination channelled slide members on the sides of a building-window-frame means, a storm window slidable vertically in the slide members and having a frame with side portions substantially Z-shaped in cross-section, each such side portion comprising a central walled portion substantially square in cross-section with a fin extending outwardly from one corner of the central portion and a second fin extending inwardly from an oppositely disposed corner of the central portion, each of said first-named fins positioned in a corresponding channelled slide member and said second fins having a glass supported thereon, and means in the storm window assembly acting at the first-named fins to maintain said fins in weather-seal engagement with said channelled slide members.

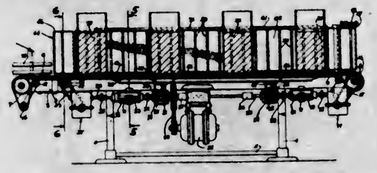


2,458,386
COMPENSATING VALVE FOR FLUID PRESSURE SYSTEMS
Edward Harry Johnson, Coventry, England, assignor to The Keelavite Company Limited, Allesley, Coventry, England, a company of Great Britain
Application August 12, 1943, Serial No. 498,374
In Great Britain November 30, 1942
11 Claims. (Cl. 137—153)



1. Valve apparatus for maintaining and controlling pressure in a closed chamber of a fluid pressure system subject to fluctuations in pressure and functioning to maintain the pressure in the chamber at a level between the pressures on the high and low pressure sides of said fluid pressure system, said valve apparatus comprising a valve housing having at least one continuously open port communicating with said chamber, at least one relief port communicating with a relief passage and at least one pressure port communicating with the high pressure side of the system, and a valve member arranged in the housing for operation by the pressure in said chamber, and so controlling the ports that when the pressure in the chamber drops below an appropriate value the valve brings into communication the pressure port with said open port, and when the pressure in said chamber rises above the appropriate value the valve brings into communication the relief port with said open port.

2,458,387
MACHINE FOR COMPACTING MATERIAL IN CONTAINERS
Harold V. Kindseth, Minneapolis, Minn., assignor to Bemis Bro. Bag Company, Minneapolis, Minn., a corporation of Missouri
Application January 26, 1946, Serial No. 643,573
2 Claims. (Cl. 259—72)



1. In a machine of the class described, a conveyor belt for advancing filled bags through the machine, opposed side belts, vertically disposed cleats on the side belts adapted to engage the bag bodies, and means engageable with the outer surfaces of the side belts for periodically moving said side belts inwardly to impart a patting action to opposite sides of the bag bodies and to cause said cleats to intermittently indent the walls of the bag bodies to partially displace portions of the contents thereof whereby the contents of the bag bodies will become more firmly settled therein.

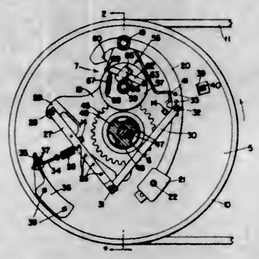
2,458,388
SIMULATED FOOTBALL GAME
Edward A. Kobs, Minneapolis, Minn.
Application May 23, 1945, Serial No. 595,280
5 Claims. (Cl. 273—94)

1. In a simulated football game, a base, a pair of members supported on said base having indicia bearing portions subdivided into individual indicia areas representing the results of football plays, one of said members lying over the other, said members being independently movable relatively to said base, said upper member having windows disposed in its indicia bearing portion and between certain of said individual indicia areas to permit the reading of indicia on the underlying of said members, a cover overlying said members, and said cover having apertures with movable closures to permit viewing of indicia aligned with said apertures when said closures are shifted to an open position.

2,458,389
CENTRIFUGALLY CONTROLLED PLANETARY GEARING
Henry E. Koruna, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 9, 1944, Serial No. 553,434
7 Claims. (Cl. 74—260)

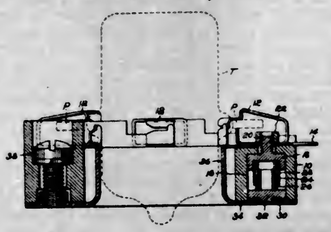
1. In a power transmitting connection, the combination of a rotary driving member, a rotary driven member, an arm pivotally connected to one of said members and having a weighted portion adapted to move outwardly under the action of centrifugal force, a spring opposing said outward movement, a planet member rotatably mounted on said one member, drive means connecting said planet member to the other of said

members for rotating said planet member by relative movement between said driving and driven members, and a pair of interengageable elements on said arm and on said planet member, respectively, adapted to be engaged or disengaged by movement of said arm about its pivot connection responsive to a change in speed of said members, at least one of said elements being



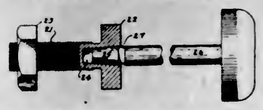
movable relative to its support and having a lost motion connection thereto so arranged and constructed that upon engagement of the edges of said elements by movement of said arm the initial transmission of driving force acts to move said one element through the range of its lost motion connection into more secure engagement with the other of said elements.

2,458,390
SOCKET FOR ELECTRONIC TUBES WITH ASSOCIATED CONDENSERS
William J. Larkin, Lynnfield, Mass., and Dana H. Bacon, deceased, late of Arlington, Mass., by Ardell E. Bacon, executrix, Arlington, Mass., assignors to National Company, Inc., Malden, Mass., a corporation of Massachusetts
Application February 21, 1946, Serial No. 649,364
6 Claims. (Cl. 250—16)



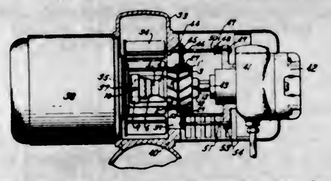
6. A socket for an electronic tube comprising a base of insulating material within which base the tube may be received, the base having at its upper surface contacts for engaging radially extending leads from the tube, the base having a bore from its lower side defining a wall beneath one of said contacts, a fastener of the screw and nut type traversing the wall for securing the contact thereto and having a part received in the bottom of the bore, a condenser comprising a dielectric cylinder with inner and outer plate-forming layers thereon, the condenser being housed in the bore and resting against said part with one plate in conducting relation thereto and a disc in the lower end of the bore opposing the lower end of the cylinder and in conducting relation to the other plate and providing at the exterior of the base means for making an electrical connection from said other plate.

2,458,391
SCREW AND DRIVER
David Paul Laviolea, Sparta, N. C.
Application July 26, 1947, Serial No. 763,786
1 Claim. (Cl. 145—50)



A metallic screw member having a head and a screw threaded shank, said head having a conical socket formed therein and in axial alignment with the shank, said socket being tapered inwardly from its entrance toward its bottom and a screw driver having a conical hardened screw engaging head tapered to correspond with the socket and having a free end portion, said screw engaging head being of less length than the depth of the socket and the minimum diameter of the screw engaging head being at said free end and being greater than the minimum diameter of the socket, the maximum diameter of said screw engaging head being slightly less than the diameter of the socket at its entrance.

2,458,392
AIR SUPPLY CONTROL FOR OIL BURNERS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application April 23, 1947, Serial No. 743,363
5 Claims. (Cl. 103—6)

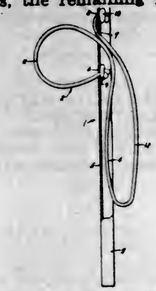


1. In combination an oil burner fan housing having an inlet and outlet, a fan within the housing, a drive shaft fixed to said fan, a centrifugal clutch with a driving member having fan blades directed to introduce air to the interior of the housing and a driven member having fan blades directed to draw air from the interior of the housing, said driving member being operatively connected to and driven by said drive shaft, a shutter device at said housing inlet having an open ended cylindrical sleeve to encase said clutch members, and oil delivery means with a driven shaft connected to said driven member and adapted for actuation of said means when said clutch is centrifugally operated.

2,458,393
TOOL FOR TURNING THREADED CONTAINER CAPS
David J. Loudfoot, Springfield, Mass.
Application August 29, 1947, Serial No. 771,184
1 Claim. (Cl. 81—3.43)

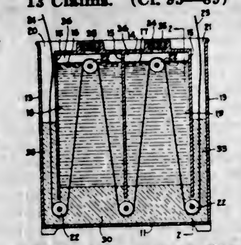
A tool for turning screw caps comprising a handle in the form of a channel bar having three aligned openings adjacent one end thereof and cut in the central panel of the bar, the central opening being of larger diameter than the others and located adjacent the outer of said openings, and a length of cord provided with a frictional

surface having the ends thereof passing through said outer and inner openings, said ends being knotted in the channel of said bar, the intermediate portion of said cord being threaded through said central opening with the short end portion of cord adjacent the outer opening lying across the surface between said outer and central openings, the remaining intermediate por-



tion forming between the central and inner openings at the front side of the handle a loop for encircling a screw top and at the back side of said handle a reserve loop for the adjustment of said front loop, the aforesaid short outer end portion providing a cushioned fulcrum contact for the turning of said handle when the tool is in use.

2,458,394
FILM PROCESSING UNIT
Benjamin E. Lubosher, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 15, 1945, Serial No. 628,915
13 Claims. (Cl. 95—89)

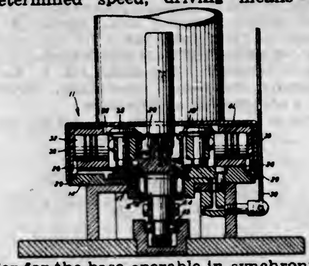


1. A portable self-contained film processing unit through which a photographic film strip may be drawn to process the latter comprising, in combination, a hollow body portion having the interior thereof divided into a plurality of connected compartments having different photographic treating liquids positioned therein, and a fusible material positioned in the path of the film between said compartments for sealing said compartments against liquid communication.

2,458,395
SWAGING APPARATUS
John C. Luley, Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 2, 1946, Serial No. 659,015
5 Claims. (Cl. 153—9)

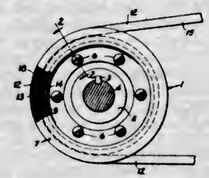
1. An apparatus for connecting a cylindrical article to a base having an annular groove therein, the apparatus comprising a swaging tool, re-

spective holders for the article and base, driving means to rotate the holder for the article to drive the article in a given direction and at a predetermined speed, driving means for the



holder for the base operable in synchronism with the first driving means to drive the base in the same direction and at the same speed, and means to move the tool toward the base to force portions of the article into the groove of the base.

2,458,396
TRANSMISSION GEARING
Laurence B. MacGregor, Long Beach, Calif., assignor to L. & M. Rubber Products, Inc., a corporation of California
Application May 25, 1944, Serial No. 537,233
4 Claims. (Cl. 74—230.7)



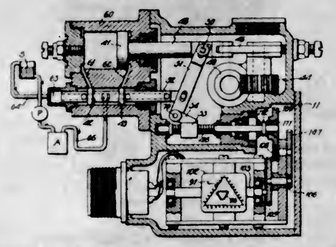
1. Transmission gearing, comprising, a pulley provided with a wedge-shaped belt groove and a normally wedge-shaped belt designed to engage said groove, with side walls of said belt in driving contact with the walls of the groove, said belt being of sufficient depth to be normally non-flexing transversely when its inner face is appreciably spaced from the bottom of the groove, the belt being designed relative the groove so that the inner face of the belt is slightly spaced radially from the bottom of the groove so as to be normally out of contact therewith, but so that under abnormal conditions of load said innerface engages the bottom of the groove.

2,458,397
DYEING OF NYLON FIBERS BY TREATING WITH NITROGENOUS CONDENSATION PRODUCTS
James Hutchison MacGregor, Bocking, Braintree, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application October 12, 1944, Serial No. 558,469. In Great Britain November 18, 1943
5 Claims. (Cl. 8—31)

1. A process for dyeing nylon fibres at an enhanced rate of absorption with direct cotton dyestuffs having little affinity for nylon which comprises incorporating in the nylon fibres a water-insoluble condensation product of formaldehyde and a member of the group consisting of cyanamide, dicyandiamide, melamine, guanidine, biguanide, dicyandiamidine, alkyl, hydroxy-

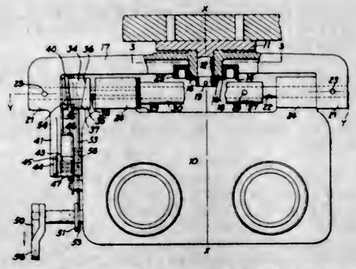
alkyl, and aryl substituents of guanidine, biguanide and dicyandiamidine and dyeing the fibres with the direct cotton dyestuff from an acid dyebath.

2,458,398
ENGINE SPEED CONTROL
Charles I. MacNeil, Glen Ridge, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application December 8, 1943, Serial No. 513,419
1 Claim. (Cl. 264—3)



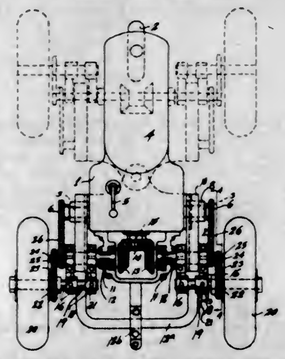
Means for varying the speed of a propeller-driving internal combustion engine, comprising a governor for controlling the speed of said engine, said governor having a speeder spring forming a part thereof, means including a hydraulic servo-motor for varying the loading of said speeder spring, said servo-motor including a hydraulic control valve normally occupying a neutral position, motion translating means for shifting said valve, electrical means for actuating said motion translating means, said motion translating means operably connecting said valve to said servo-motor and said electrical means, said electrical means including a synchronous motor having rotor and stator windings, engine-actuated means for energizing one of said windings, and constant speed means for energizing the other of said windings, and manually operable means located within reach of the pilot of the craft when the latter is in flight for alternately rendering the energization of one or the other of said windings ineffective, whereby the speed of said controlled engine may be independently regulated by the pilot.

2,458,399
SWIVEL MOUNT
Joseph Mihalyi and Harlow D. Philips, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 3, 1945, Serial No. 603,008
8 Claims. (Cl. 248—183)



1. In a mount, the combination with a support, of a device, means for mounting said device on said support for movement on the latter about normally arranged axes, means for separately locking said device against movement about each of said axes, means tending to release one of said locking means, means normally retaining both of said locking means in locking relation, and a control means for releasing said retaining means and for moving one of said locking means to permit the free and selective movement of said device about said axes.

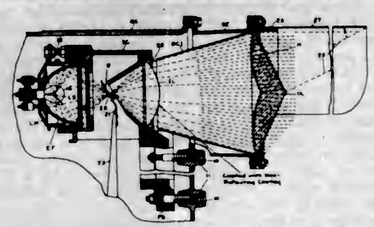
2,458,400
ADJUSTABLE DRIVE MECHANISM FOR TRACTORS
Owen J. Milliken, Davenport, Wash.
Application February 1, 1946, Serial No. 644,909
2 Claims. (Cl. 180—41)



1. In a tractor, a body, a rotary power shaft having end portions projecting from opposite sides of the body, a rotary power-takeoff shaft projecting from the rear end of the body, supports at opposite sides of the body projecting rearwardly therefrom, driven shafts rotatably mounted through the projecting rear portions of said supports and geared to the power-takeoff shaft for turning in opposite directions when the said power-takeoff shaft is rotating, double sprockets loosely mounted about outer end portions of the driven shafts, arms fixed to said driven shafts and normally extending rearwardly therefrom, axles carried by the arms and projecting from opposite sides of the tractor, drive wheels rotatably carried by outer end portions of said axles, sprockets carried by said wheels, sprockets carried by the protruding end portions of the power shaft, and sprocket chains trained about the double sprockets and about the sprockets of the power shaft and the wheels for transmitting rotary movement from the power shaft to the wheels, said driven shafts when rotated causing the arms to be swung vertically and the wheels moved vertically in opposite directions to adjusted positions for maintaining the tractor horizontal while traveling across a side of a hill.

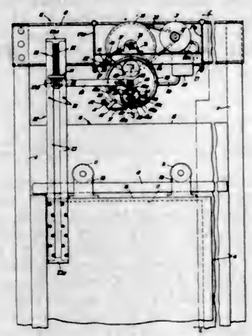
2,458,401
LIGHT SIGNAL FOR RAILROADS
Edmund W. Moore, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 2, 1945, Serial No. 626,348
10 Claims. (Cl. 177—327)

1. In a light signal of the type described, a concentrated source of light, means for collecting a large portion of the light emitted by said source and directing it through a focal point, means near said focal point for allowing the passage only of light of a particular color, an inner lens for concentrating said light of a particular color into a beam of large spread, and an



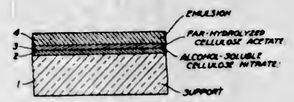
outer lens for concentrating said beam of large spread into a beam of narrow spread, said outer lens having an outer surface of conical contour and an inner surface curved inwardly toward the axis of the lens to an extent to substantially concentrate said beam.

2,458,402
AUTOMATIC OPERATOR FOR ELEVATOR DOORS AND HALL DOORS
Mortimer A. Myers, Bellaire, N. Y., assignor to The Maintenance Company, Inc., New York, N. Y., a corporation of New York
Application February 29, 1944, Serial No. 524,390
13 Claims. (Cl. 268—53)



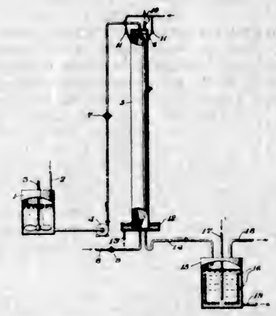
9. In an operating device for a slidably mounted door, a transverse guide member secured to the door, a pivotally mounted operating member movably and pivotally engaging the guide member, the first-named pivot being substantially fixedly positioned with respect to the door, electrically actuated operating means adapted to cause opening of the door by rotation of the operating member, and gravity operated switching means operatively associated with the electrically actuated means and disposed to control the actuation thereof, the switching means being effectively fixedly positioned with respect to the operating member and being further disposed to control the actuating means to stop further rotation of the operating member upon being rotated therewith into an angular position corresponding substantially to the open position of the slidably mounted door.

2,458,403
PHOTOGRAPHIC FILM EMPLOYING HYDROLYZED CELLULOSE ACETATE EMULSIONS
Gale F. Nadeau and Clemens B. Starek, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 31, 1945, Serial No. 585,898
4 Claims. (Cl. 95—9)



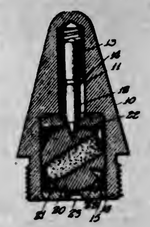
1. A photographic film of satisfactory flexibility and stripping properties which comprises a flexible cellulose ester film support and a photographically sensitive layer essentially consisting of silver halide and a far-hydrolyzed lower fatty acid ester of cellulose having an acyl content of 19–28%, united to the support throughout its area by a composite intervening layer comprising a cellulose nitrate coating on the support, and a hydrolyzed lower fatty acid ester of cellulose coating on the cellulose nitrate, the cellulose ester in the latter coating having an acyl content of 23–27%.

2,458,404
MANUFACTURE OF SODIUM HYDROXYLAMINE SULFONATES
Wesley Michael Nagle, Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 5, 1945, Serial No. 597,659
5 Claims. (Cl. 23—114)



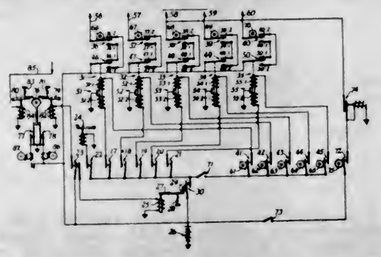
1. A process for preparing sodium salts of hydroxylamine sulfonic acids which comprise contacting an aqueous solution containing substantially equimolar proportions of sodium nitrite and sodium acid sulfite with gaseous sulfur dioxide at a temperature between 10° and 75° C., any collected mass of solution being of such film thinness and in continuous contact with sulfur dioxide that the reaction with substantially complete conversion to the said sulfonic acid salt is completed within a period not exceeding 10 seconds, and maintaining that portion away from admixture with solution containing unreacted salts, whereby side reactions of the hydroxylamine sulfonates formed and the reactants are avoided.

2,458,405
FUSE
Harry J. Nichols, New York, N. Y.
Application April 14, 1943, Serial No. 483,027
11 Claims. (Cl. 102—80)



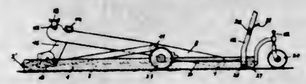
1. In a fuse of the class described, a fuse body and safety arming and automatic delay action exploding mechanism therein comprising, in combination, an axially slidable firing pin normally mounted in exploding position, said firing pin having means near its mid-section for sustaining the thrust of a spring, spring means mounted co-axially with said firing pin for normally exerting pressure thereon to maintain said firing pin in exploding position, and for moving the firing pin to armed position after firing in a gun, a detonator, a centrifugal rotor carrying said detonator and normally maintained in unarmed position by said firing pin, and means including said spring and said firing pin for automatically delaying the explosion of said detonator until after penetration of armor defeated by the projectile, while permitting instananeous explosion of said detonator on encountering armor likely to defeat the projectile.

2,458,406
CIPHERING AND CHECKING DEVICE
Harry J. Nichols, New York, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 28, 1945, Serial No. 619,222
3 Claims. (Cl. 178—22)



1. In ciphering apparatus having means for producing successive character code signals representing a straight language message according to a predetermined combinational-position code system and a first group of contacts each selectively adjustable to an on and an off electrical condition in correspondence to said code signals and a group of differential code relays each having a first coil corresponding to contacts of said first group of contacts and a second coil corresponding to contacts of a second group of contacts, said first coils being responsive to the electrical condition of the corresponding contacts of said first group of contacts; a second group of contacts corresponding to contacts of said first group and each connected to a corresponding second coil of said code relays for rendering said coil responsive thereto when said second group of contacts are selectively adjusted to on and off electrical conditions to produce a signal for each of said character code signals; a series of cipher discs each corresponding to contacts of said second group of contacts and mounted in spaced relation on a rotatable shaft and in spaced relation to contacts of said second group; a ratchet wheel fixedly mounted on said shaft; actuating devices attachable to and detachable from the periphery of said discs to enable said disc upon rotation to selectively adjust the electrical condition of said second group of contacts in a preselected cyclic pattern and means for rotating said discs in step-by-step fashion, said means including a rotatable solenoid-operated armature resiliently urged against rotation, a dog pivotally mounted on said armature from the center thereof and extending therefrom into urged engagement with the periphery of said ratchet wheel so that energization of the solenoid causes said armature to rotate in one direction and said dog to engage the next tooth of the ratchet wheel and deenergization thereof causes the armature to be rotated in the other direction and rotate said shaft an amount corresponding to the displacement of one tooth of the ratchet wheel.

2,458,407
TOGGLE LINK JACK WITH TWO LIFTING PHASES
Alfred Niederhauser, Basel, Switzerland
Application August 6, 1947, Serial No. 766,811
In Switzerland October 21, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 21, 1964
9 Claims. (Cl. 254—9)



1. A lifting jack comprising a frame, a link pivotally connected at one end to said frame, driven means mounted in said frame for movement toward and away from said pivotal connection, a lifting arm pivoted at one end to said means and at an intermediate point to the other end of said link, thereby forming a toggle mechanism which in lowest position has the three pivot points substantially in horizontal alignment, and auxiliary means for lifting the free end of said lifting arm sufficiently to form a suitable triangle of forces for the lifting movement of said lifting arm produced by said driven means.

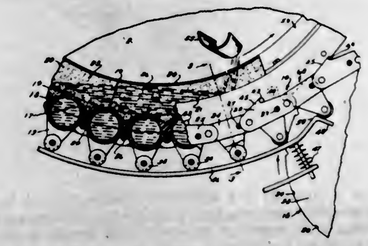
2,458,408
ACROLEIN-PHENOL RESIN
Grafton R. Owens, Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 17, 1945, Serial No. 611,245
7 Claims. (Cl. 260—53)

1. The process for producing a resinous condensation product comprising heating together at a temperature between 52° C. and 105° C. a mixture consisting of phenol, acrolein and an aqueous solution of acid, said mixture containing between 0.75 to 1 mol of phenol for each 1 to 3 mols of acrolein, and said aqueous solution having an acid activity equivalent to that furnished by from 0.014% to0.028% of H_2SO_4, based on the weight of phenol and acrolein in the mixture.

2,458,409
OUTLET BOX CONNECTOR
Isaac A. Paige, Chicago, Ill., assignor to Paige Electrical Products Corp., Chicago, Ill., a corporation of Illinois
Application February 17, 1947, Serial No. 729,090
6 Claims. (Cl. 285—6.5)

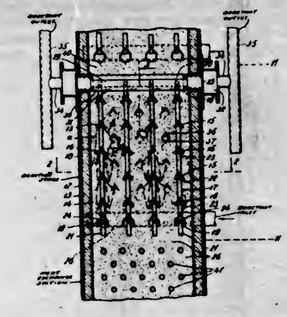
1. A connector member for securing the end of an electrical conduit to an outlet box, comprising a one-piece tube-like member of spring material, said member being longitudinally slotted throughout its length whereby it is radially contractible for insertion of one end in a knockout hole in the wall of an outlet box, cooperating spaced abutment shoulders adjacent one end of said member forming a groove on said member for preventing axial movement of said member after it is inserted in said knockout hole and permitted to expand into engagement with the outlet box wall, and integral spring fingers extending on the other end of said member in a radially and axially inward direction within said member for engagement with the electrical conduit to retain the same in position in said connector.

2,458,410
PROCESS OF CASTING
Oliver F. Parsons, Phoenix, Ariz., assignor to E. A. Spring, Phoenix, Ariz., and T. E. Norman, Denver, Colo.
Application April 16, 1945, Serial No. 588,667
2 Claims. (Cl. 22—209)



2. The method of casting metal which comprises moving a series of upper mold sections in a circular path about a horizontal axis on a support providing an annular trough therein, moving a series of complementary bottom mold sections in an endless path so that the upper and lower section are brought into assembled molding relation throughout an arcuate portion of their travel, continuously pouring molten metal into the trough to form a pool in the bottom part thereof and upon the assembled mold sections so as to successively fill the molds through openings in the top thereof, the molten metal being fed into the trough in such manner as to cause the metal entering the molds to increase in temperature as the assembled molds move through their filling travel.

2,458,411
METHOD FOR CONTACTING GASES WITH A SOLID CONTACT MATERIAL
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 20, 1944, Serial No. 536,494
6 Claims. (Cl. 252—242)

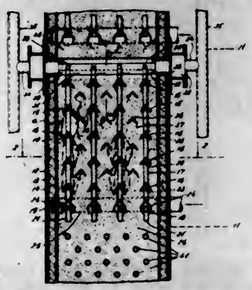


1. In a method for conducting reactions involving a contact mass of granular inorganic material and gasiform reactants the improvement which comprises the steps of passing said granular inorganic contact material to a contacting zone as a substantially compact column of downwardly moving solid material, introducing a gasiform reactant into said column at a plurality of horizontally spaced locations extending transversely of the contacting zone at a plurality of vertically spaced levels, withdrawing gasiform reaction products from said column at a plurality of horizontally spaced locations extending transversely of the contacting zone at a second plurality of vertically spaced levels, said outlet locations being positioned vertically intermediate said inlet locations, deflecting the flowing column of solid material at a third plurality of locations so as to provide a plurality of substantially particle form solid-free by-pass passages for gas flow through portions of the solid material column, said by-pass passages being positioned vertically intermediate said reactant inlet and outlet locations and horizontally outside of the direct passage for gas flow between adjacent reactant inlet and outlet locations, said by-pass passages thereby encouraging more uniform distribution of gas flow across the entire cross-section of said column of flowing particle form solid material.

2,458,412
APPARATUS FOR CONTACTING GASES WITH A SOLID MATERIAL
John W. Payne, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Original application May 20, 1944, Serial No. 536,494. Divided and this application January 10, 1946, Serial No. 640,363
7 Claims. (Cl. 23—288)

1. In an apparatus for contacting gas with particle form solid material, means defining a vertical chamber, a plurality of gas inlet and gas outlet deflectors arranged in a plurality of substantially vertical rows of vertically spaced alternate inlet and outlet deflectors, said vertical rows being spaced side by side across said chamber, each of said deflectors comprising an inverted trough, a plurality of vertical tubes, spaced hori-

zontally apart, passing through each deflector of each vertical row of deflectors so as to form a plurality of rows of said vertical tubes spaced side by side across said vessel, certain of said tubes being perforated to provide communication between the interior thereof and the space below each gas inlet deflector through which they pass, said tubes serving as distributor tubes, the remainder of said tubes being perforated to provide communication between the interior thereof and the space below each gas outlet deflector, said tubes serving as collector tubes, duct means to



admit gas to each of said distributor tubes and duct means to withdraw gas from each of said collector tubes, a second plurality of deflectors comprising inverted troughs positioned within said chamber at locations horizontally intermediate said vertical rows of inlet and outlet deflectors and vertically intermediate adjacent inlet and outlet deflectors, said last named inverted troughs having foraminate sides of such construction as to permit flow of gas therethrough while substantially preventing passage of solid particles therethrough.

2,458,412
WIRE CONNECTOR
Ford Pennell, Webster Groves, Mo., assignor to Jane Booth Pennell, Webster Groves, Mo.
Application March 29, 1946, Serial No. 658,168
10 Claims. (Cl. 24—135)

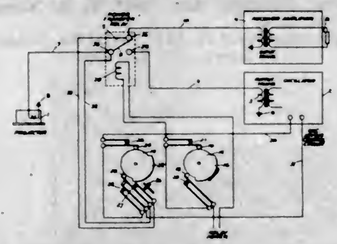
1. A wire connector comprising a body member having a transverse opening with closed ends for receiving wires, a washer surrounding at least a portion of said body member and having a tongue extending into and held by the ends of said opening against accidental removal of said washer lengthwise of said body member, and means to exert pressure on said washer to cause said washer to engage a wire positioned in said opening.

2,458,414
NAVIGATION SIGNAL SYSTEM
Edgar W. Fenton, Fairfax County, Va.
Application May 19, 1944, Serial No. 536,297
5 Claims. (Cl. 177—352)

1. A signalling system comprising means for projecting a red beam, having a light distribution pattern symmetrical about an axis, along a course with the axis of the red beam angularly divergent from the line of the course so that the said red beam is asymmetrical thereof, means for projecting a green beam, having a light distribution pattern symmetrical about an axis, along the same course with the axis of the green beam angularly divergent from the said line of the course and asymmetrical thereof, said red and said green beams mutually overlapping in a path

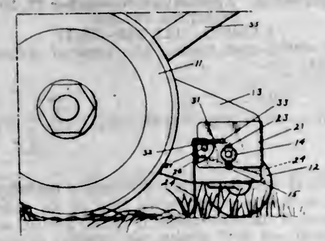
symmetrical of the line of the course, said respective beams forming a line substantially coincident with the line of the course partaking equally of the energy of both said beams so that the visual aspect of the formed line is a resultant of an even additive mixture of the two beam colors while the visual aspect even slightly to one side of the formed line is of an additive mixture of unequal energies in which the greater energy dominates and establishes the visual aspect.

2,458,415
APPARATUS FOR ECHO DISTANCE MEASUREMENT
Robert E. Peterson, Danvers, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Continuation of application Serial No. 455,391, August 19, 1942. This application October 22, 1947, Serial No. 781,329
6 Claims. (Cl. 177—386)



1. In a system for distance measurement by the time-of-travel method, a single projecting and receiving unit, a source of projection power, a receiving circuit, transfer-switching means having a plurality of groups of switch contacts, a first of said groups of switch contacts connecting said source to said unit, a second of said groups of switch contacts connecting said receiving circuit to said unit, a keying circuit which energizes said source, a third of said groups of switch contacts completing said keying circuit, a distance indicator connected to the output of said receiving circuit and operating in a predetermined time sequence, said transfer-switching means also including operating means associated in operation with said indicator and operating said first group of switch contacts for a predetermined period, operating said third group of switch contacts during said period, and operating said second group of switch contacts just after the operation of said third group of switch contacts.

2,458,416
RAKE ATTACHMENT FOR LAWN MOWERS
Manuel Pimentel, Mamaroneck, N. Y.
Application May 31, 1946, Serial No. 673,570
5 Claims. (Cl. 56—249)

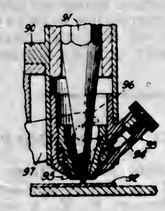


1. Apparatus for raking lawn grass comprising the combination of a lawn mower wheel, a lawn mower roller, and a rake attachment, said rake attachment comprising a mounting plate having a vertically elongated opening and adjustably mounted adjacent one end of said roller behind said wheel, a bracket pivotally mounted on said plate and extending laterally therefrom, a plurality of resilient raking tines attached to said bracket and extending downwardly vertically therefrom, and a spring attached to said pivotally mounted bracket and said plate forcing the lower ends of said tines downwardly and forwardly.

2,458,417
DRY SHAVER
Frank Pollifrone, Mill Valley, Calif.
Application September 18, 1946, Serial No. 697,643
13 Claims. (Cl. 30—43)

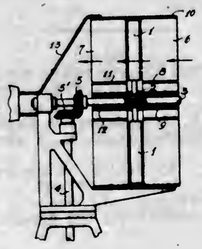
1. A dry shaver comprising a housing, a spirally grooved cutter means journaled at one end of said housing, a slotted comb member on said housing end in cooperative juxtaposition with said spiral cutter means, means for alternately rotating said spiral cutter means in opposite directions, said rotating means comprising a spring driver member, one end of which is secured to said housing and the other end of which comprises a spiral groove engaging point, cooperative guide means on said driver member adjacent said point end and on said housing maintaining said point in driving engagement within the groove in said spirally grooved cutter means, said housing being cutaway along at least a portion of one side providing operative access to said driver member whereby said housing may be manually held in shaving position to depress and release said spring driver member to alternately rotate said spiral cutter means.

2,458,418
CONTINUOUS AND INTERMITTENT RECORDING INSTRUMENT
Frederick Q. East, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application April 29, 1943, Serial No. 485,623. Divided and this application April 12, 1944, Serial No. 530,705
1 Claim. (Cl. 346—50)



In combination, a stylus movable across a surface to record a continuous line thereon, a marking device comprising a circular marking wick and an enclosed ink reservoir connected thereto, said wick and reservoir surrounding the stylus and normally spaced from the said surface, and means for effecting a straight line reciprocation of the marking device in a direction parallel to the axis of the stylus to deposit an ink ring upon the line traced by the stylus.

2,458,419
WIND WHEEL
Moses Abraham Reinmann, Jerusalem, Palestine
Application January 5, 1944, Serial No. 517,037
In Palestine February 4, 1943
2 Claims. (Cl. 170—40)



1. In a wind motor in combination: a wheel rotatable in a vertical plane which can be turned so as to be perpendicular to the wind, said wheel having a plurality of substantially sector-shaped sails fixed to a common hub mounted on a horizontal shaft, with clearance between the projections of said sails on the plane of rotation; a stationary cylindrical casing closely surrounding said wheel and being co-axial therewith; a plurality of pairs of aligned straight radial vanes extending inwards from said casing normal to the plane of rotation of the wheel at both sides of said

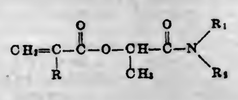
wheel, the inner ends of said vanes being secured to two sleeves surrounding said shaft at either side of the wheel, the distance between said vanes in axial direction substantially corresponding to the depth of the path covered by said wheel while the distances between any two neighboring vanes are not larger than the width of the projection of any one of said sails on the plane of rotation, measured at equal distances from the axis, the spaces between each two neighboring pairs of aligned vanes thus forming a plurality of straight air channels of uniform cross-sectional area, and the sails of the wheel being so positioned relative to the plane of rotation as to be adapted substantially to shut off said air channels individually, intermittently and simultaneously as the wheel rotates.

2,458,420
ACRYLIC ESTER-AMIDES AND POLYMERS THEREOF

Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 22, 1947, Serial No. 787,606
8 Claims. (Cl. 260—83)

1. A compound having the general structural formula:



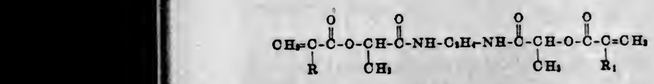
where R represents a member selected from the group consisting of an atom of hydrogen, a halogen atom, a cyano group, an alkyl group, an aryl group, an aralkyl group, an alkoxy group, an aryloxy group, a cycloalkyl group, a carboxylic acid acyl group, a carboxylic acid acyloxy group, a piperidyl group, a carboxyl group, a carbalkoxy group, and an amino group, and R_1 and R_2 each represents a member selected from the group consisting of an atom of hydrogen, an alkyl group and an aryl group.

2,458,421
UNSATURATED DERIVATIVES OF ETHYLENE DIAMINE AND POLYMERS THEREOF

Delbert D. Reynolds and William O. Kenyon, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 22, 1947, Serial No. 787,607
6 Claims. (Cl. 260—78)

1. A compound having the general structural formula:



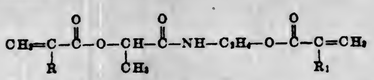
wherein R and R_1 each represents a member selected from the group consisting of an atom of hydrogen, a halogen atom, a cyano group, an alkyl group, an aryl group, an aralkyl group, an alkoxy group, an aryloxy group, a cycloalkyl group, a carboxylic acid acyl group, a carboxylic acid acyloxy group, a piperidyl group, a carboxyl group, a carbalkoxy group, and an amino group.

2,458,422
ACRYLIC DIESTER-PROPIONAMIDES AND POLYMERS THEREOF

Delbert D. Reynolds and John H. Van Campen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 22, 1947, Serial No. 787,608
6 Claims. (Cl. 260—78.3)

1. A compound having the general structural formula:



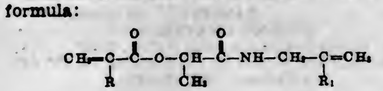
wherein R and R_1 each represents a member selected from the group consisting of an atom of hydrogen, a halogen atom, a cyano group, an alkyl group, an aryl group, an aralkyl group, an alkoxy group, an aryloxy group, a cycloalkyl group, a carboxylic acid acyl group, a carboxylic acid acyloxy group, a piperidyl group, a carboxyl group, a carbalkoxy group and an amino group.

2,458,423
N-ALLYL DERIVATIVES OF ACRYLIC ESTER-AMIDES AND POLYMERS THEREOF

Delbert D. Reynolds and John H. Van Campen, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application November 22, 1947, Serial No. 787,609
7 Claims. (Cl. 260—83)

1. A compound having the general structural formula:



wherein R represents a member selected from the group consisting of an atom of hydrogen, a halogen atom, a cyano group, an alkyl group, an aryl group, an aralkyl group, an alkoxy group, an aryloxy group, a cycloalkyl group, a carboxylic acid acyl group, a carboxylic acid acyloxy group, a piperidyl group, a carboxyl group, a carbalkoxy group and an amino group, and R_1 represents a member selected from the group consisting of an atom of hydrogen, a halogen atom and an alkyl group.

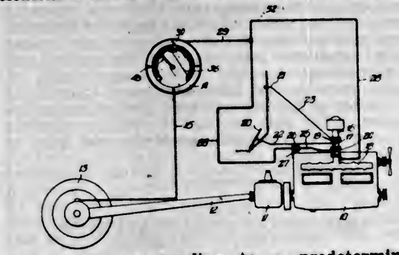
2,458,424
AUTOMATIC SPEED CONTROL FOR INTERNAL-COMBUSTION ENGINES

Roland G. Reynoldson, Madison, Wis.

Application April 24, 1947, Serial No. 743,688
6 Claims. (Cl. 180—82.1)

2. A speed control device for a vehicle which is driven by an internal combustion engine having a throttle controlled fuel feed valve, said control device comprising a separate independently operated fuel feed valve, pressure controlled means for operating said separate valve, vehicle speed indicator mechanism having a movable indicator element, said pressure controlled means including a movable actuator valve having a bleeder port and cooperating means on said movable indicator element for opening and closing said bleeder port to operate said valve, whereby said movable actuator valve may be set in the path of movement of said indicator element to operate said

independent fuel feed valve when said indicator element reaches a predetermined point in its



movement corresponding to a predetermined speed of said vehicle.

2,458,425
OIL COMPOSITIONS

Albert G. Rocchini, Springdale, Pa., assignor to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware

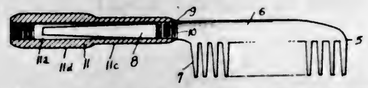
No Drawing. Application June 19, 1947, Serial No. 755,735
10 Claims. (Cl. 252—33.6)

1. An oil composition consisting essentially of a major proportion of a mineral oil and a minor proportion sufficient to improve the detergent, anti-oxidant, and anti-corrosion characteristics of said mineral oil of an oil-soluble polyvalent metal salt of an alkenyl-succinic acid monoamide in which the alkenyl group contains from 5 to 18 carbon atoms.

2,458,426
COMBINED COMB AND HAIR CURLER

Frank Rosiello, Bronx, N. Y.

Application January 29, 1946, Serial No. 644,051
1 Claim. (Cl. 132—19)



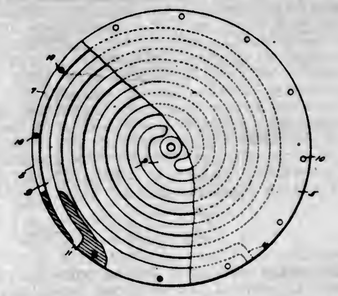
A hair comb having a tapered handle extending from one end thereof and an externally threaded portion at the inner end of said handle and a shoulder at the inner end of said externally threaded portion, a handle extension for the comb handle having a uniform cylindrical bore with internal screw threads in each end thereof engageable with the externally threaded portion of the comb, said handle extension having cylindrical hair curler surfaces on the opposite end portions thereof of different diameters capable of forming different sized hair curls by winding hair strands thereon, the end of the handle extension threaded on the comb handle engaging the shoulder of the comb handle to rigidly connect the handle extension to the comb.

2,458,427
METHOD OF MANUFACTURING RECORD DIES

Edward E. Russell and Monica I. Russell, Woodmont, Conn.

Application December 19, 1946, Serial No. 717,186
6 Claims. (Cl. 76—107)

1. The method of forming dies used in the manufacture of phonograph records, consisting in providing die plates, providing a channel member cutting away portions of the channel member, providing channels extending throughout the entire thickness of the channel members, positioning the channel member between the die



plates, securing the channel member between the die plates, placing a brazing medium within the channels and finally, subjecting the connected die plates and channel member to a temperature sufficient to braze the die plates and channel member together.

2,458,428
COATING COMPOSITIONS FOR MOISTURE-PROOFING BY HOT MELT COATING

Martin Salo, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 12, 1945, Serial No. 634,628
5 Claims. (Cl. 260—17)

1. A non-blocking melt-coating composition adapted to give coatings of low moisture vapor permeability essentially consisting of at least 40% of a heat stable butyric acid ester of cellulose having a butyryl content of at least 42%, a total acyl content of at least 50%, a cuprammonium viscosity of less than 10 centipoises, a viscosity in 10% acetone solution at 25° C. of 10–200 centipoises, and not more than 2 hydroxyl groups per 24 cellulose carbon atoms, sufficient di-2-ethyl hexyl phthalate within the range of 10–40% to impart good fluidity to the composition at 150–200° C., ½–7% of a wax and unhydrolyzed polyvinyl acetate having a viscosity of ½–10 centipoises, determined in solution in benzene of 86 g. polyvinyl acetate per 1000 cc. of solution at 20° C., sufficient in amount within the range 5–40% to render the wax permanently compatible with the composition.

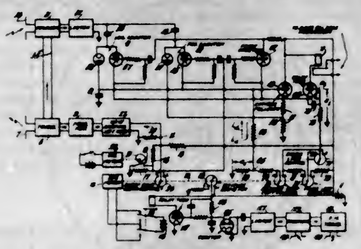
2,458,429
RADIO BOMB RELEASE SYSTEM

Royden C. Sanders, Jr., Chestnut Hill, Mass., and Daniel Blitz, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application July 16, 1945, Serial No. 605,412
5 Claims. (Cl. 342—7)

1. In a radio bomb release system which includes radio reflection means substantially continuously responsive to the slant distance and slant speed of an aircraft with respect to a selected target to provide an output comprising two differentially related components which are predetermined functions respectively of said dis-

tance and said speed, and relay means responsive to the attainment by said output of a predetermined magnitude to effect release of a bomb, altimeter means substantially continuously responsive to the altitude of said craft to provide an output corresponding in magnitude to said



altitude means responsive to the output of said altimeter to control the response sensitivity of said radio reflection means to distance as a predetermined function of said altitude, and means responsive to the output of said altimeter to bias said relay means in accordance with a predetermined function of said altitude.

2,458,430

MEDICINAL SOLUTIONS

Reinhard Schläpfer, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey

No Drawing. Application May 16, 1946, Serial No. 670,207. In Switzerland June 5, 1945
6 Claims. (Cl. 167—81)

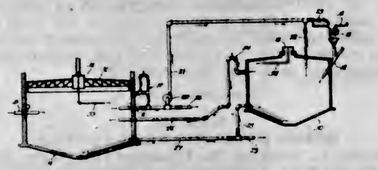
2. A medicinal solution containing water, a difficultly soluble medicinally active substance selected from the group consisting of lactoflavin, 2-methyl-naphthoquinone-(1,4) and neohesperidine dissolved therein in an amount greater than its normal water solubility, and pyridyl-3-carbinol as a solubilizer.

2,458,431

APPARATUS FOR AND METHOD OF DIGESTING GARBAGE

Harry E. Schlenz, Glencoe, Ill., assignor to Pacific Flush Tank Company, Chicago, Ill., a corporation of Illinois

Application April 20, 1944, Serial No. 531,917
10 Claims. (Cl. 195—104)



1. The method of digesting garbage material which comprises the steps of grinding a mass of garbage, feeding the ground mass to a zone sealed against the admission of air for decomposition therein, feeding sewage sludge to a zone separated and distinct from said first zone and sealed against the admission of air for anaerobic decomposition therein, continually passing liquor of digestion from said sewage sludge digestion zone to said garbage digestion zone for promoting and maintaining anaerobic digestion in said garbage digestion zone and maintaining the temperature of the digesting garbage mass at substantially the temperature of the digesting sewage sludge mass, returning liquor of digestion from said garbage digestion zone to said sewage sludge digestion zone where it is commingled with the mass digesting in said sewage sludge digestion zone so that it is conditioned similarly to the liquor of digestion in said sewage sludge digestion zone, and passing the finally digested liquor from the sewage sludge digestion zone to point of disposal.

2,458,432

THIOL ESTER MODIFICATION OF SYNTHETIC RUBBERS

William Henry Sharkey, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1944, Serial No. 569,421
11 Claims. (Cl. 260—84.5)

1. In a process of polymerizing a conjugated diene monomer composition containing the diene in amount at least 50% by weight of the polymerizable monomers present, the improvement which comprises exposing the diene composition to polymerizing conditions in an aqueous alkaline medium in the presence of an ester of an acyclic aliphatic monocarbothiolic acid of one to six carbon atoms having carbothiolic hydrogen replaced by the radical of a monohydric alcohol of six to eighteen carbon atoms.

2,458,433

METHOD FOR CONTACT MATERIAL REGENERATION

Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application November 30, 1943, Serial No. 512,324
7 Claims. (Cl. 252—418)

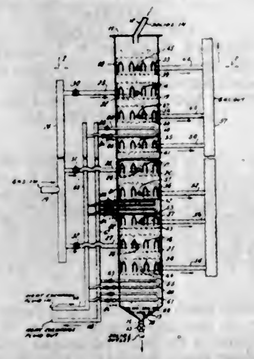
1. The process for regeneration of a solid particle form contact mass material which has become spent by deposition of a carbonaceous deposit thereon and which exists at a temperature suitable for initiating combustion of said deposit which process comprises: passing said particle form solid material downwardly through a plurality of burning zones through each of which it moves as a substantially compact column of gravitating particles, similarly passing said solid material through a heat exchange zone intermediate each two successive burning zones only in the intermediate and later portions of the zone series, passing an oxygen containing gas at controlled rates in direct contact with said solid material in the burning zones in the initial portion of the zone series to burn the contaminant in the absence of indirect heat exchange with a heat exchange fluid to heat the solid material by the released combustion heat to a temperature suitable for practical rapid contaminant combustion rates but below a temperature which would cause heat damage to said solid contact material, passing an oxygen containing gas independently into direct contact with the contact material in each of the remaining burning zones to burn off a portion of said deposit in each burning zone, effecting a separation of the gaseous regeneration products formed in each burning zone from the contact material before any substantial amount of said gaseous products formed in any given one of said burning zones passes into any other of said burning zones and discarding said separated gaseous products outside of said burning zones, passing a fluid cooling medium in indirect heat exchange relationship with said solid material in each of said heat exchange zones, maintaining the contact material in the adjacent burning zones below a heat damaging temperature but above the minimum temperature required for practical rapid contaminant burning rates by control of the amount of said indirect heat exchange in said heat exchange zones, and effecting in successively later heat exchange zones a gradual decrease in the amount of heat removal by the indirect heat exchange with the fluid cooling medium relative to the weight of contaminant burned in the corresponding preceeding burning zones.

2,458,434

METHOD AND APPARATUS FOR REGENERATING MOVING BED PARTICLE FORM CONTACT MASS MATERIALS

Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 26, 1944, Serial No. 532,802
9 Claims. (Cl. 252—418)



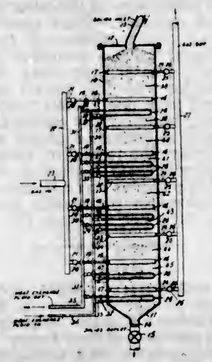
1. A method for removal of contaminant deposits from a particle form solid contact mass material by the action of a combustion supporting gas at controlled elevated temperatures comprising: passing said contaminant bearing solid contact mass material at a controlled rate through a vertical series of burning zones as a substantially compact column of downwardly flowing particle form solid material, introducing a combustion supporting gas into said column of solid material at a substantially centrally located level in each of said zones, causing a portion of the gas introduced into each of said zones to pass upwardly within said column and the remaining portion to flow downwardly within said column to effect combustion of said contaminant, withdrawing gaseous combustion products from said column adjacent either end of each of said zones independently of the gaseous products formed in any other zone while excluding the flow of said gas into the portions of said column between said zones, passing an externally controlled heat exchange fluid in indirect heat transfer relationship with said column of solid material in said portions of said column between most of said zones to control the range of temperature of said solid material passing through said burning zones.

2,458,435

METHOD AND APPARATUS FOR REGENERATING A MOVING BED CONTACT MATERIAL

Thomas P. Simpson, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

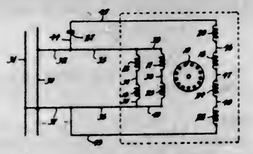
Application October 21, 1944, Serial No. 559,734
6 Claims. (Cl. 252—418)



3. The method for regenerating a particle form contact material bearing a carbonaceous contaminant deposit which comprises: passing said contaminant bearing particle form contact material as a substantially compact column downwardly through a vertical series of alternating combustion zones wherein the contaminant is burned in the substantial absence of cooling and combination combustion and cooling zones wherein the contaminant is burned in the presence of cooling by indirect heat transfer with a cooling fluid, introducing streams of combustion supporting gas into said column at alternate common levels between adjacent combustion and combination combustion and cooling zones, splitting said streams to cause a portion of each stream to flow upwardly through one of said zones from its level of introduction and the remaining portion to flow downwardly through the adjacent zone from the same level of introduction, withdrawing the gaseous regeneration products from said column as a plurality of streams from the remaining alternate common levels between adjacent combustion and combination combustion and cooling zones, passing a suitable cooling fluid in indirect heat transfer relationship with said column in each of said

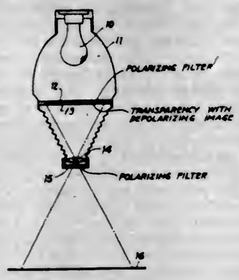
combination combustion and cooling zones to effect a substantial descrease in the contact material temperature in said combination combustion and cooling zones while excluding cooling by indirect heat transfer in said combustion zones so as to permit a substantial rise in the contact material temperature in said combustion zones.

2,458,436
SPLIT-PHASE INDUCTION MOTOR
Edgar M. Smith, Trenton, N. J., assignor to The Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 29, 1944, Serial No. 556,343
4 Claims. (Cl. 318—220)



3. A split phase induction motor of the capacitor type having in combination, a rotor, a capacitor, a stator comprising a plurality of line phase windings and capacitor phase windings each of which has an equal number of turns and an equal resistance with an inductive reactance to resistance ratio greater than unity, said windings of said capacitor and line phases being electrically displaced from one another, said line phase windings being permanently connected in series-parallel, and said capacitor phase windings being permanently connected in series with one another and with said capacitor the optimum value of which provides a condition of resonance within said capacitor phase and a substantially equal voltage drop per winding.

2,458,437
PHOTOGRAPHIC GAMMA CONTROL
Cedric Harold Smith, Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 20, 1945, Serial No. 589,393
6 Claims. (Cl. 95—5)

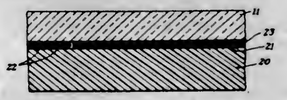


1. The method of controlling gamma in an image which comprises forming the image in silver iodide in a transparent sheet, transilluminating the image uniformly with polarized light and orienting a polarizing filter in the light from the image in accordance with the gamma desired.

2,458,438
OVERSHOE WITH LINING FOR SHINING SHOES
Henry B. W. Snelling, Concord, Mass.
Application September 13, 1946, Serial No. 696,711
6 Claims. (Cl. 36—7.3)

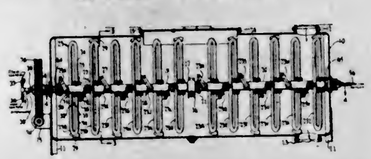
1. An overshoe comprising a napped lining impregnated with shoe-lining wax.

2,458,439
METHOD OF MAKING PHOTOGRAPHIC IMAGES ON PLASTIC
Henry C. Staehle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 15, 1946, Serial No. 669,918
1 Claim. (Cl. 41—24)



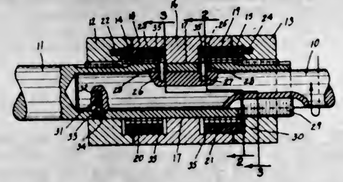
A method of preparing an image on a plastic sheet of methyl-methacrylate comprising, providing a transparent film base of a cellulose ester having a positive gelatine emulsion relief image formed on one surface thereof, the portions of said surface not occupied by said image having the emulsion removed therefrom to expose said base, and cementing said base to said sheet with a cement comprising nitro-cellulose dissolved in ethylene chloride and methyl alcohol to adhere said portions to said sheet.

2,458,440
CRYSTALLIZER
John W. Stafford, Hoboken, N. J., assignor to The Turi Iron and Car Company, Inc., New York, N. Y., a corporation of New York
Application April 24, 1946, Serial No. 664,455
12 Claims. (Cl. 127—15)



1. A rotary heat exchanger coil for sugar crystallization or the like comprising a shaft rotatable in a drum, a plurality of planar rectangularly shaped closed loops mounted on said shaft, each of said loops having a pair of legs, one leg of each loop comprising two portions substantially aligned with each other and connected with said shaft astraddle the same, the longitudinal axes of said loops being substantially at right angles to the axis of said shaft and the transverse axes of said loops being disposed at acute angles relative to the axis of said shaft, and means to conduct heat exchanging medium through said loops.

2,458,441
BIDIRECTIONAL NO-BACK POWER TRANSMISSION
William Carleton Starkey, Indianapolis, Ind.
Application July 2, 1945, Serial No. 602,788
15 Claims. (Cl. 192—8)



1. In a power transmission, the combination of driving and driven members, one of said members having opposed pockets, a fixed element having opposed pockets matching the afore-mentioned pockets, respectively, and a braking element comprising a helical spring mounted in each pair of matching pockets for locking engagement therewith, each of said springs having one end portion thereof operable by one of said members tending to exert a locking action with said pockets and the other end operable by the other of said members for causing it to release said pockets, said members being operably engageable with each other to provide an interdriving connection therebetween upon one of said clutch springs being moved out of locking engagement with one of its associated pockets.

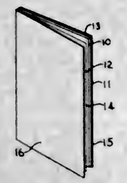
2,458,442
FOG INHIBITOR FOR PHOTOGRAPHIC EMULSIONS
Robert Eliot Stauffer and William F. Smith, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 17, 1947, Serial No. 780,568
12 Claims. (Cl. 95—7)

1. A silver halide emulsion layer containing a compound having the structure

$$R_2ReX_6$$

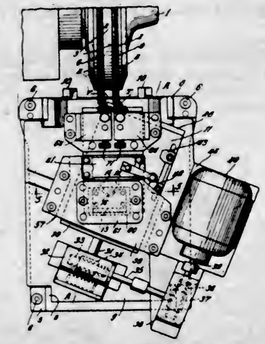
where X is a halogen atom and R is of the group consisting of hydrogen, ammonium and alkali metals.

2,458,443
RAZOR BLADE SHARPENER
Odgard C. Stemland, Minneapolis, Minn.
Application July 13, 1946, Serial No. 683,524
3 Claims. (Cl. 51—211)



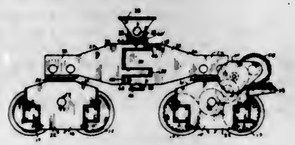
1. A device of the character described comprising a flat sharpening element, and a cover for said flat sharpening element consisting of an exterior cover member constituted as a flat sheet of relatively stiff material and an interior cover member constituted as a flat sheet of flexible material, said exterior and interior cover members being substantially of twice the area of said flat sharpening element and the cover being adapted to be folded so as to include the flat sharpening element between flaps of the exterior and interior cover members, a coat of paint upon a rearward surface of said flat sharpening element, adhesive material between substantially the whole of a forward surface of a flap of said interior cover member and the rearward surface of the flat sharpening element having said coat of paint, and adhesive material between substantially the whole of a rearward surface of said mentioned flap of said interior cover member and a forward surface of a flap of said exterior cover member.

2,458,444
DRESSING MECHANISM
Gilbert Stewart, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application February 28, 1945, Serial No. 580,125
9 Claims. (Cl. 125—11)



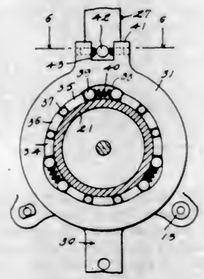
1. A grinding wheel dressing mechanism comprising, in combination, a base formed with transverse spaced parallel arcuate guides on the top, a cradle mounted on said guides for rotary adjustment about a predetermined axis, an actuating slide having a ball bearing support on said cradle for reciprocation in a direction inclined to said axis, reversible drive means on said cradle for translating said slide and including a lead screw in threaded engagement with a nut on the underside of said slide, upstanding standards on said cradle at opposite sides of said slide, a bridge plate connected to said standards and extending in spaced relation over said slide, a dresser slide having a ball bearing support on said actuator slide for reciprocation in a direction parallel to said axis, a contour cam removably mounted on the underside of said bridge plate and having a form with oppositely inclined faces complemental to the form to be produced on the grinding wheel, a follower on said dresser slide engaging said cam, spring means urging said follower constantly in engagement with said cam, and a dressing tool mounted on and movable with said dresser slide, the angle of inclination of said actuating slide being less than that of the similarly inclined face of said cam, whereby for movement of said actuating slide in one direction the movement of said dresser slide relative thereto will be in one direction regardless of reversal of movement of said dresser slide relative to said cradle.

2,458,445
CRANE TRUCK
Robert J. Steddard, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application December 17, 1945, Serial No. 635,547
15 Claims. (Cl. 105—157)



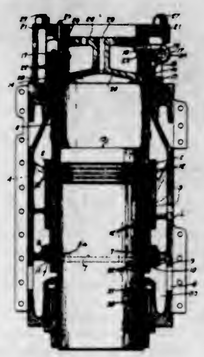
1. A truck comprising spaced apart truck frames, supporting wheels for said truck frames, a girder frame consisting of separate girder elements between and assembled with said truck frames, and a vertical center pin hingedly connecting said girder elements to each other.

2,458,446
SELF-LOCKING LEVER CONTROL
Charles R. Suska, Dayton, Ohio, assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application April 24, 1947, Serial No. 743,675
1 Claim. (Cl. 74—531)



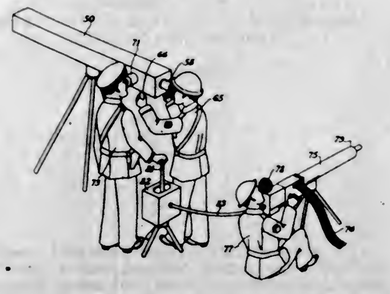
A lever control comprising a frame, a shaft fixed relative to said frame, a driving member formed with a hub rotatably engageable over said shaft, a driven member, a hub on said driven member formed with a central opening having peripherally spaced apart inwardly opening cam recesses, peripherally spaced apart bearing lugs on the hub of said driving member, the hub of said driven member engaging about the bearing lugs of said driving member, wedging elements between the lugs of said driving and driven members disposed in said cam recesses, releasing fingers on said driving member between the hubs of said driving and driven members engageable with the wedging elements for moving the latter to release position, a pair of confronting screws carried by one of said members, an abutment member carried by the other of said members positioned between said screws for engagement thereby whereby said driving member may have initial lost motion relative to said driven member, the initial lost motion of said driving member constituting the release cycle during which said release fingers are effective.

2,458,447
ENGINE CYLINDER
Adolph Taschella, Altadena, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 3, 1945, Serial No. 576,029
10 Claims. (Cl. 123—173)



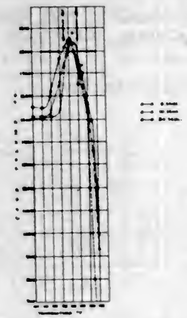
8. Engine cylinder construction comprising a member providing a water-jacket casing, a liner supported by said member at a portion of the liner remote from the head of the liner and cooperating with said casing to form the water-jacket, the head end of said liner being substantially out of contact with said casing, means closing the water-jacket space at the head end of the liner and permitting substantially unrestrained linear and radial movement of the head end of the liner, a cylinder head extending into the head end of the liner, and means to connect the cylinder head to said member and hold the head substantially fixed with respect thereto, the head end of the liner being free to expand linearly along the cylinder head.

2,458,448
GUN TRAINING BY TRACER FIRE SPOTTING
Fordyce Tuttle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 26, 1944, Serial No. 524,028
9 Claims. (Cl. 89—41)



1. The method of fire control which comprises sending tracer fire along with the damage inflicting fire from a rapid fire gun, optically forming in a single field of view and from spaced viewing points superimposed images of the target being fired on and images of the tracer fire, observing said images whereby the tracer fire appears as travelling along two lines crossing over at a distant point, adjusting the forming of the target images to bring them into coincidence and aiming the gun to bring the apparent crossover point of the tracer fire onto the target.

2,458,449
EGG IMPROVING PROCESS
Walter M. Urbain, Berwyn, and Leon D. Mink, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1944, Serial No. 519,310
2 Claims. (Cl. 99—92)



1. In the process of making cake baked goods of increased volume of at least 20 per cent over that obtainable with untreated egg material, the step comprising heating liquid egg material separated from the shell at a temperature of between 135° F. to 150° F. while agitating said material, and for a period of time between 3 minutes and 30 minutes to cause an increase in viscosity of the liquid egg material of from 10 to 50 seconds.

2,458,450
DECOLORIZATION OF ESTERS OF ACRYLIC AND α-ALKYL-ACRYLIC ACIDS
William P. Utermohlen, Jr., Charlottesville, Va., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Original application January 7, 1943, Serial No. 471,607. Divided and this application November 2, 1945, Serial No. 626,427
4 Claims. (Cl. 260—486)

1. A process for decolorizing a colored monomeric ester of acrylic acid and esters of α-alkylacrylic acids in which the alkyl group contains from 1 to 2 carbon atoms, the color of said monomeric ester being caused by the presence of colored oxidation products of phenolic polymerization inhibitors and the color not being removable from said monomeric ester by distillation of said monomeric ester, comprising treating the colored ester with an aqueous solution of an alkali metal bisulfite.

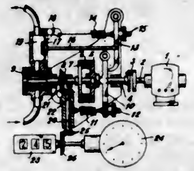
2,458,451
METHOD OF FORMING NONTHERMOPLASTIC SYNTHETIC RESIN FILMS
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 18, 1943, Serial No. 491,400
5 Claims. (Cl. 117—65)

1. The process of preparing sheet material which comprises mixing a polyvinyl butyral resin having a hydroxyl number above 60 with a melamine-formaldehyde-alcohol condensation product at about 60° C., forming a solvent free mass thereof into a sheet, and thereafter rendering the composition non-thermoplastic and insoluble by heating the same for 1 to 3 hours at a temperature of 105 to 125° C.

4. The process of claim 1 in which the sheeting comprises calendering the mass into an unsupported film.

5. The process of claim 1 in which the sheeting comprises calendering the mass onto a fabric.

2,458,452
DRIVING DEVICE FOR REVOLVING MEMBERS
Pierre Georges Vanni, Neuchatel, Switzerland
Application February 18, 1944, Serial No. 522,989
In Switzerland April 5, 1943
1 Claim. (Cl. 103—11)

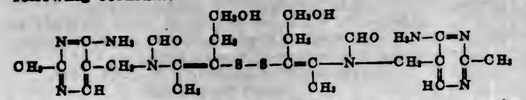


A device for regulating the outflow pressure of a pump, comprising a revolving member driving the pump, the outflow pressure of which is to be regulated, a second pump, a revolving driving member which continually cooperates with the first-mentioned revolving member, friction means between the revolving members for transmitting a torque practically independent of the speed of the revolving driving member, and means wherein the outflow pressure of the pumps control the adjustment of the friction means, one of said pumps being regularly driven and feeds the other which is driven by the revolving member, the friction means being operated by a member placed under the dependence of the intake pressure of the second pump and by a member placed under the dependence of the outflow pressure of this same pump whereby the outflow pressure is automatically maintained at a value at least equal to the intake pressure of said pump.

2,458,453
PROCESS FOR PRODUCING THIAMIN DERIVATIVES
Kurt Warnat, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application April 9, 1946, Serial No. 660,857. In Switzerland June 1, 1945
1 Claim. (Cl. 260—251)

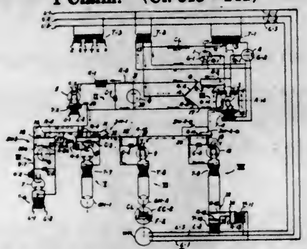
A process which comprises mixing and reacting one mol of thiamin with three mols of caustic soda and mixing and reacting the thiamin sodium salt thus obtained with one mol of potassium

ferricyanide so as to produce a compound of the following formula:



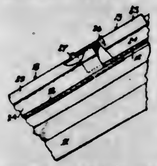
while maintaining at least 8 per cent of organic substance in the reaction mixture throughout the reaction, said organic substance being that supplied by the aforementioned sodium salt and the final reaction product.

2,458,454
ELECTRONIC CONTROL APPARATUS
Anthony Winther, Kenosha, Wis., assignor to Martin P. Winther, trustee, Waukegan, Ill.
Original application May 4, 1944, Serial No. 534,111. Divided and this application April 29, 1946, Serial No. 665,884
1 Claim. (Cl. 315—141)



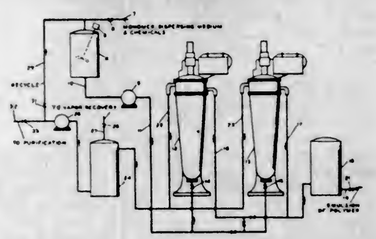
Tube firing control apparatus for at least one gas-filled rectifier tube having an anode, a cathode and a grid, comprising an A. C.-potential circuit including a D. C. load and connected across said cathode and anode, the current of which circuit is rectified by said tube to feed said load, an adjustable D. C. network adapted to produce an adjustable D. C. potential component, a control tube having an anode non-inductively connected with the grid of said rectifier tube and having a grid connected to said adjustable D. C. network, an A. C. network having a potential in fixed out-of-phase relation to the A. C. potential impressed upon the anode of said rectifier tube, said A. C. network being also connected to said grid of the control tube, whereby the grid of the rectifier tube is supplied by the anode of the control tube with an adjustable firing voltage composed of an adjustable D. C. component and a fixed A. C. component undistorted between the said tubes.

2,458,455
GREENHOUSE CONSTRUCTION
Walter Wilson, Yonkers, N. Y., assignor to Burnham Corporation, a corporation of New York
Application January 24, 1946, Serial No. 643,024
1 Claim. (Cl. 108—16)



A roof construction which comprises a rafter having lateral shoulders and a central ridge portion, said shoulders adapted to receive the edges of overlapping glass panes resting thereon, a cap member fitted over the rafter and having a crown portion fitting over the ridge portion and flanges extending over the edges of the panes of glass, the lower edges of said panes abutting against and being supported by the upper edge of the next lower cap member, said cap member having an aperture in the lower portion of its crown portion and a rib at the upper end of its crown portion.

2,458,456
EMULSION POLYMERIZATION
I. Louis Wolk, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 23, 1944, Serial No. 569,595
2 Claims. (Cl. 260—86.5)



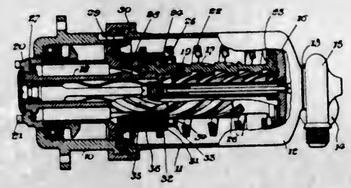
1. A process for the continuous emulsion polymerization of a conjugated diolefin and a monomer copolymerizable therewith containing an active $CH_2=C<$ group, which comprises forming an aqueous emulsion of said diolefin and said monomer; continuously introducing said emulsion into a centrifuging zone under polymerizing conditions and continuously subjecting said emulsion in said zone to the action of a centrifugal force sufficient to continuously separate polymer, as formed, in a polymer-rich fraction at one point in said zone, and unpolymerized material at another point in said zone; continuously removing said polymer-rich fraction from said zone and separating polymer therefrom, continuously removing said unpolymerized material from said zone; admixing said unpolymerized material with additional conjugated diolefin and monomer to form an aqueous emulsion; and introducing said emulsion into said centrifuging zone.

2,458,457
DUST COLLAR
Charles A. Wright, Milwaukee, Wis.
Application October 12, 1945, Serial No. 621,879
2 Claims. (Cl. 286—6)

1. In a journal box supporting a rotating shaft, a dust guard therefor comprising a first and a second flat cheek parallel to and spaced from each other, said cheeks having axle openings in register with each other, a hinge integrally formed with said cheeks together at the bottom sides thereof, a packing disk between said cheeks and having an opening in register with the axle openings, a plurality of spaced tongue portions extending about and integrally formed with the sides and bottom of said first cheek, said tongue portions being bent over the second cheek where-

by said packing disk is retained between said cheeks, a bent flange at the top of one of said cheeks extending toward the other of said cheeks.

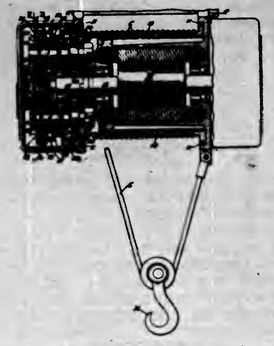
2,458,458
CUSHIONING MEANS FOR ENGINE STARTERS
Frank Wright, Moreno, Calif., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Original application August 11, 1943, Serial No. 498,441. Divided and this application July 8, 1947, Serial No. 759,633
2 Claims. (Cl. 123—179)



1. An engine starter comprising in combination, a gas expansion motor including a fixed cylinder, a piston movable therein and a spring to return the piston to its initial position; a hollow drive shaft rotatably mounted in said piston, said shaft having coarse helical internal and external concentric screw threads, a stationary nut to engage the external threads, a clutch shaft to engage the internal threads to be driven thereby, a fixed casing spaced circumjacent said nut, a plunger ring movable in said casing, and a plurality of resilient elements disposed in said casing adapted to force said plunger ring outwardly to intercept said drive shaft near the termination of its outward stroke thereby to prevent malformation of the parts in contact.

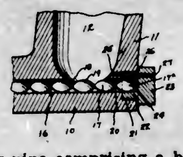
2,458,459
TRANSMISSION MECHANISM
William F. Wright, Lisbon, Ohio
Application October 3, 1944, Serial No. 557,031
18 Claims. (Cl. 74—280)

1. In combination, a support mounted for rotation about a given axis, interlocking coaxial gears rotatably carried by said support for rotation about an axis parallel to and spaced from said given axis, a stationary gear operatively connected to one of said rotatable gears to cause the latter and said support to rotate in opposite directions, an overrunning clutch having an inner member rotatable about the axis of said rotatable gear and an outer member rotatable only with said support about said given axis, a driving member, means providing a driving connection between said driving member and said gear, a driven member, and means providing a driving



connection between said support and driven member.

2,458,460
TOBACCO SMOKE PIPE
Charles V. Wright, Jr., Tamaqua, Pa.
Application March 25, 1946, Serial No. 656,961
1 Claim. (Cl. 131—215)

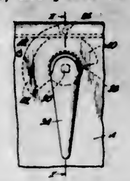


A smoking pipe comprising a bowl, a stem on said bowl, said stem having a longitudinal smoke passage therethrough intersecting said bowl at the bottom thereof and opening on the forward side of the bowl, said bowl having a counterbore concentric to said smoke passage, said bowl also having an air vent passage communicating with said counterbore and said bowl adjacent said smoke passage, a plug rotatable in said counterbore having a vent passage therein for registration with the air vent of said bowl, and a spiral member fixed on said plug disposed in said smoke passage along the length thereof whereby said plug may be rotated for displacing obstructions in said smoke passage and positioning for controlling the air vent into said bowl.

2,458,461
COMBINATION DOOR LOCK AND VALVE FOR STEAM COOKERS
Cyril Charles Young and Donald F. Troupe, Kansas City, Mo., assignors to The Vendo Company, Kansas City, Mo., a corporation of Missouri
Application August 28, 1944, Serial No. 551,589
6 Claims. (Cl. 126—20)

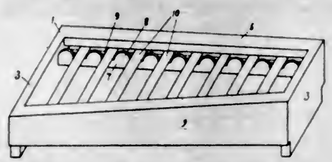
1. In a steam cooker having a body provided with a compartment, a connection with a steam supply, an exhaust tube, a closure swingable to and from a position closing the compartment, and a steam supply and exhaust valve constructed to admit steam to the compartment when in one position and to exhaust steam from the compartment through the exhaust tube when in the normal position; a latch having parts on the closure and parts on the cooker

body, said parts on the closure being manually movable through a path of travel during the first portion whereof the parts on the closure interconnect with the parts on the body to hold the closure shut, the parts on the closure being



formed to engage and actuate the valve from said normal position exhausting the compartment through said tube to the position supplying steam to the compartment as the latch is moved through the last portion of its path of travel.

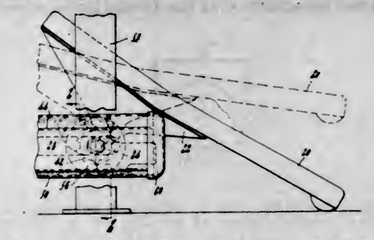
2,458,462
XYLOPHONE
Harry Zimmerman, New York, N. Y.
Application November 3, 1944, Serial No. 561,680
1 Claim. (Cl. 84—403)



A xylophone comprising a frame, including lateral walls having inwardly extending upper and lower ledges defining inner channels extending longitudinally of the lateral walls, the lower ledges projecting inwardly of the frame beyond the upper ledges and having side edges, strips extending along the side edges of the lower ledges and projecting upwardly therefrom and formed with recesses spaced from each other longitudinally of the strips, soft pads upon the lower ledges having portions exposed through lower portions of the recesses, and sound bars extending transversely of the frame, the sound bars being of less width than the recesses and having end portions passing through the recesses and resting upon the pads with their side edges spaced from sides of the recesses and their ends spaced from walls of the channels.

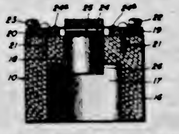
2,458,463
ADJUSTABLE FOOTRAIL
Alfred B. Bell, Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass., a corporation of Massachusetts
Application August 28, 1945, Serial No. 613,065
9 Claims. (Cl. 155—170)

1. An adjustable rail mechanism for a chair or the like, comprising two horizontal channel members supported at the sides of the chair, a shaft extending between and supported by said channel members, rack and gear means on said channel members and shaft for causing said shaft to travel along said channel members when it rotates, an elongated rail loosely mounted on said shaft parallel therewith and rockable about the axis thereof, and means operative to lock said rail and shaft against movement along the channel members when said rail is in position for use



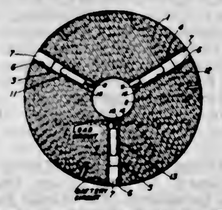
and to release said rail and shaft when the rail is rocked from its position for use.

2,458,464
SWITCH
John W. Busacker, Houston, Tex., and Thomas M. Perry, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy
Application January 21, 1943, Serial No. 473,148
2 Claims. (Cl. 200—52)



1. An unshorting switch comprising a short circuiting wire, a retainer adjacent the wire, and a plunger connected to the wire and the retainer and normally held thereby in an inoperative position, the plunger being operable by a force of setback to break the retainer and the wire.

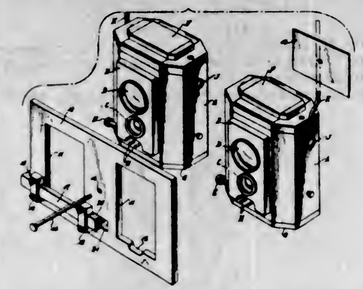
2,458,465
CENTRIFUGAL SWITCH
John W. Busacker, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application September 17, 1943, Serial No. 502,831
1 Claim. (Cl. 200—80)



A centrifugal switch including a flat-sided circular body to be mounted with its axis parallel to an axis of rotation, said body having a plurality of bores disposed at angles with respect to each other and extending substantially diametrically, said bores being in different horizontal planes and having outer ends communicating with the outer surface of the body, fixed contacts of soft metallic material carried in the outer end portions of said bores, said bores being enlarged throughout substantially half their respective lengths, plungers movably carried in the enlarged portions of said bores and having

nibs, and restraining springs connected between the corresponding inner ends of the bores and the plungers, said plungers being movable by centrifugal force against the tension of said springs for engaging said nibs in said fixed contacts upon rotation of the body.

2,458,466
CAMERA ADAPTER FOR STEREOPICTURES
Lawrence F. Campbell, Silver Spring, Md.
Application April 23, 1947, Serial No. 743,372
3 Claims. (Cl. 95—18)

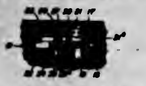


1. A holder device for adapting two cameras for taking snapshot stereo pictures and which comprises a plate-like member having two spaced framing openings to receive and position the lens carrying face of the housings of two cameras respectively for taking stereo pictures, the lenses of said cameras being exposed through said openings, a clamp member disposable on the opposite faces of said two cameras and adjustably and detachably secured to the plate-like member for securing said rigid camera housings in said framing-openings, and a manually operable mechanism mounted on said plate-like member for movement and having extensions projecting therefrom to respectively engage with the shutter-levers of both of said cameras when clamped to said plate-like member, a single finger-piece carried by said mechanism for actuating the latter so that operative movement of said mechanism will simultaneously operate the shutters of both of said cameras to take stereo snapshots.

2,458,467
CENTRIFUGAL DELAY SWITCH
Sheldon H. Dike, Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy
Application February 20, 1943, Serial No. 476,573
6 Claims. (Cl. 102—70.2)

1. A switch comprising a switch member movable by centrifugal force between open-circuit and closed-circuit positions, a fusible element normally locking the switch member in one of said positions, and means responsive to a force of setback for heating said element to release the switch member.

2,458,468
SAFETY GATE FOR PROJECTILES
William J. Flett, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application January 26, 1943, Serial No. 473,649
1 Claim. (Cl. 102—70)

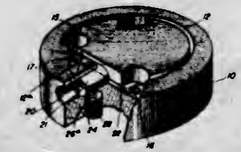


A safety device for projectiles, comprising a gate movable between operative and inoperative positions, a member normally locking the gate in its operative position, the member being movable in one direction in the gate by a force of setback and in the opposite direction in the gate to release the gate, and an explosive device mounted at one end of said member and operable by a force of setback on the member to move the same in the direction for releasing the gate.

2,458,469
METHOD FOR DEIRONING CHROMIUM AND MANGANESE ORES
André Greffe, La Bathie, France, assignor to Societe D'Electro-Chimie, D'Electro-Metallurgie et Des Acieries Electriques D'Ugine, Paris, France, a corporation of France
No Drawing. Application July 4, 1945, Serial No. 603,279. In France December 13, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 13, 1963
2 Claims. (Cl. 75—27)

1. The process of producing base-metal of the group consisting of chromium and manganese and containing less than 1% of iron by reduction of ore containing oxide of said base-metal and oxide of iron, which comprises deironing the ore by subjecting it in the molten state to the reducing action of a ferro-alloy which is rich in said base-metal, separating the overlying slag layer from the underlying metallic phase, subjecting the molten slag to the reducing action of a portion of the base-metal obtained as the final product of the process and having a higher content of the base-metal than that in the ferro-alloy used in the first deironing step, whereby the quantity of iron in the slag is decreased but the quantity of oxide of said base-metal in the slag is increased, separating the overlying slag from the underlying metallic phase, and subjecting the deironed slag to a reduction treatment to produce base-metal of said group containing less than 1% of iron.

2,458,470
CENTRIFUGAL UNSHORTING DEVICE
Lawrence R. Hafstad and William J. Flett, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy
Application January 27, 1943, Serial No. 473,762
3 Claims. (Cl. 102—70.2)



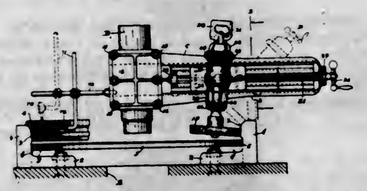
1. An unshorting switch for use in a rotating projectile, which comprises an insulating body

having a squib-receiving recess, a pair of terminals on the body, said body having a passage for conducting wiring from the squib to said terminals, a shortcircuiting wire extending between the terminals, means in the body connected to the shortcircuiting wire for rupturing the wire in response to centrifugal force, and means in the body for locking the rupturing means in an inoperative position and movable by a force of setback to release the rupturing means.

2,458,471
EMBEDDED HEATING ELEMENT AND METHOD OF MAKING THE SAME
Kemper M. Hammell and Edwin J. Balluff, Detroit, Mich., assignors to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application March 13, 1946, Serial No. 654,110
7 Claims. (Cl. 201—67)

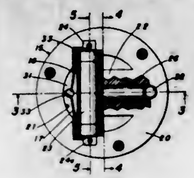
1. An embedded electric resistance heating element comprising a member having a channel therein, a preformed unit comprising an armor plate and a compacted mass of dielectric material having an electric resistance element embedded therein, said unit being arranged in said channel with the dielectric material engaging the sides and bottom of said channel and with said armor plate extending across said channel and overlying said dielectric material, said armor plate being channel-shaped in cross-section with the sides thereof extending downwardly into said channel and in engagement with the side walls thereof, said walls of said channel being provided with stakes which bear against the upper side of the armor plate along both edges thereof for securing said unit under pressure in said channel in said member.

2,458,472
JAW GRINDING MECHANISM FOR CAR WHEEL BORING MILLS
Henry Irwin, Chicago, Ill., assignor to General American Transportation Corporation, Chicago, Ill., a corporation of New York
Application May 24, 1945, Serial No. 595,539
4 Claims. (Cl. 51—241)



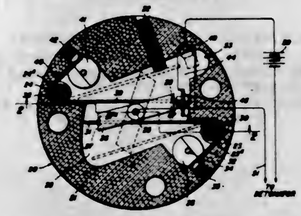
1. The combination of a boring mill having a vertical boring bar and a rotary chuck having a series of radially movable clamping jaws, a holding ring adapted to hold the jaws in concentric relation to the axis of the boring bar, a jaw grinding device adapted to be detachably mounted on said boring bar and adapted to grind the gripping faces of the jaws as the jaws are successively brought into grinding relation thereto by the rotation of the chuck, said grinding device comprising a main supporting arm having means at one end for clamping the arm upon the boring bar, a grinding unit comprising a motor having a grinding wheel on its shaft, said grinding unit being mounted upon said arm with the axis of its shaft in a plane radial to the axis of the boring bar, and means for rotatably and bodily shifting the grinding unit in the plane of its axis to position the grinding wheel in grinding relation to the jaws.

2,458,473
DETONATOR
James D. Jordan, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application January 26, 1943, Serial No. 473,650
2 Claims. (Cl. 102—71)



1. In a detonator, a body having an opening, an electrically operable squib extending across the opening and seated at its ends in the body, a web extending transversely from one side of the body into the opening and abutting at its free end against the squib, the web having a bore perpendicular to and communicating at one end with the opening and at the other end with a recess in the body, a detonating charge in the bore, and a mechanically operable explosive device in the recess for firing said charge.

2,458,474
CENTRIFUGALLY OPERATED CONTROL DEVICE
James D. Jordan, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application February 23, 1943, Serial No. 476,871
8 Claims. (Cl. 200—80)

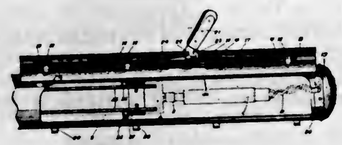


2. In an initially open, centrifugally operated and automatically closed electrical switch, the combination with a fixed contact, of a resiliently mounted movable contact and a separable insulator thereon in frictional engagement with the fixed contact, whereby the movable contact is operated to separate the insulator, and at deceleration of centrifugal force the movable contact automatically moves into electrical connection with the fixed contact.

2,458,475
ROCKET DEVICE
Charles C. Lauritsen and John McMorris, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy
Application April 2, 1943, Serial No. 481,652
5 Claims. (Cl. 102—49)

1. A rocket device comprising a payload, a rocket motor to the rear of the payload, a releasable connection between the payload and the motor including a pair of members movable relatively in one direction to accommodate forward movement of the motor toward the payload when the motor is fired, an operating element carried by the payload, means actuated by movement of one of said members for initiating operation of said element, and means for moving said members relatively in the opposite direction, upon a decrease in the propelling force of the motor, and thereby forcibly separating the motor from the payload.

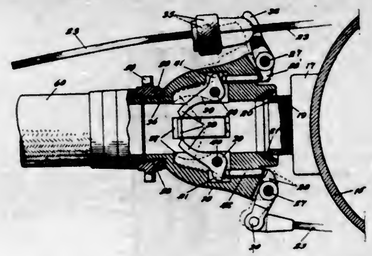
2,458,476
ROCKET LAUNCHER
Charles C. Lauritsen, Pasadena, Calif., and John McMorris, deceased, late of Pasadena, Calif., by Helen C. McMorris administratrix, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy
Application January 4, 1946, Serial No. 639,084
4 Claims. (Cl. 89—1.7)



1. A rocket launcher comprising a tube closed at one end and open at the opposite end, the tube having an opening in its side wall for inserting a rocket into the tube, launching guide rails within said tube for receiving a rocket from said side opening, and a movable cover on the tube for covering said side opening.

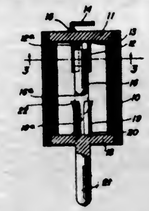
2,458,477
COUPLING FOR WATER HOSE AND THE LIKE
William C. MacKenzie, New York, N. Y.
Application May 29, 1946, Serial No. 672,940
15 Claims. (Cl. 285—1)

3. For an outlet of fluid under pressure having a terminal rim, a coupling comprising a ring companion to the rim and comprising a duct through the ring extending through the coupling, a connection between the coupling and the outlet attachable exteriorly thereof and operable to hold the ring in position for registry with the rim, one or more vanes in the duct positioned to be actuated by fluid flowing through the coupling, and mechanism operable by actuation of the



vanes to press the ring into firm seating engagement with the rim.

2,458,478
SETBACK SWITCH
Richard L. Maneval, Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy
Application April 10, 1943, Serial No. 482,654
1 Claim. (Cl. 200—52)

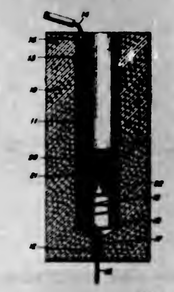


A switch operable solely by the set-back action of sustained acceleration, said switch consisting of a casing, an inherently free circuit-closing rod-plunger operable in the casing, and axially confronted but spaced spring clips fixed in the casing, one of the clips slidably but permanently gripping the plunger at one end in circuit-open position, the grip of said clip yielding to set-back action under sustained acceleration for end movement into the embrace of the other spring clip, said other spring clip adding its grip to compound the total grip on the plunger, thereby progressively slowing the penetration of the plunger and stopping it in circuit-closing suspension between the clips.

2,458,479
SETBACK SWITCH
Thomas M. Perry, Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy
Application April 28, 1943, Serial No. 484,966
5 Claims. (Cl. 200—52)

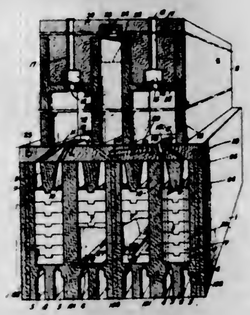
2. A setback switch adapted to be mounted within a projectile to close at least a portion of an electrical detonating circuit upon the application of setback force created when the projectile is fired comprising a body member, a bore in said body member, an electrical contact sleeve positioned within said bore, a wire mounted in said body member and extending within said contact sleeve in spaced relation thereto, and a plunger

positioned within said sleeve capable of sliding therein upon the application of setback force for



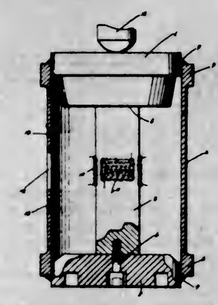
bending said wire to make a plurality of contacts between said wire and said contact sleeve.

2,458,480
BY-PRODUCT COKE OVEN
Paul M. Pinckard, Kalamazoo, Mich.
Application July 3, 1947, Serial No. 758,948
25 Claims. (Cl. 202—134)



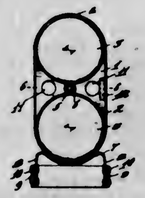
1. In a coke oven having a coking chamber and heating flues on each side of the coking chamber, regenerators below the coking chambers, each regenerator composed of two independent main longitudinal sections communicating with at least two heating flues on the same side of the coking chamber, which are grouped together for exchange of heat, each regenerator section having at least two independent rows of spaced, vertical ducts, supporting walls separating the adjacent regenerator sections, each section being formed of a series of superimposed horizontal bricks extending between said supporting walls, each brick having two vertical openings forming said ducts, each brick having a depressed groove in the upper surface between said openings and a corresponding projection downward from the lower surface, means for supporting the lowermost row of bricks between said openings and a wall supported between the openings by the uppermost row of bricks, said supporting walls and last named wall which support said coking chamber and heating flues, forming an integrated structure.

2,458,481
LOAD WEIGHING DEVICE
Arthur C. Rage, Cambridge, Mass., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application September 1, 1944, Serial No. 552,326
6 Claims. (Cl. 73—141)



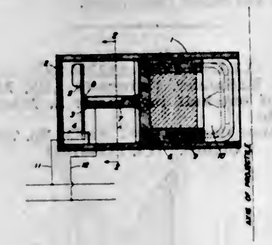
1. A load weighing device comprising, in combination, a pair of opposed transverse elements which are inflexible in all directions, load weighing means disposed between said elements and adapted to transmit an axial load from one element to the other, and substantially axially extending means connected directly to said inflexible elements for rigidly connecting the same together to resist entirely through said axial means transmission of undesired forces from said elements to the weighing means but at the same time transmit only a part of the load to be weighed while the remainder of the load is transmitted through said load weighing means which is calibrated to serve as an index for the entire load.

2,458,482
TRAFFIC SIGNALING DEVICE SUPPORT
Charles D. Eyder, Covington, Ky., assignor to The Grote Manufacturing Company, Bellevue, Ky., a corporation of Kentucky
Application May 10, 1947, Serial No. 747,279
1 Claim. (Cl. 248—33)



A road signal of the character disclosed embodying a base member of strip material in bow form and a pair of panels, each for reflecting light directed thereat for signal service, pivotally connected to and between the limbs of the base member adapting the same to be positioned in adjoining relation to extend perpendicularly from the base member for light reflection in relative oppdsite directions and alternately to telescopically pack the same within the base member.

2,458,483
CENTRIFUGAL SAFETY DELAY SWITCH
Howard E. Tatel, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application May 17, 1946, Serial No. 670,359
3 Claims. (Cl. 200—80)



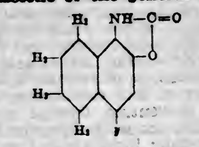
1. A delay switch in a projectile comprising a mass of thermally and electrically conductive material, said mass forming one member of a switch, a second switch member coacting therewith, an easily fusible substance holding the two switch members in electrical contact with one another, said substance being in thermal contact with said mass, a pyrotechnic material, said material being in thermal contact with a different portion of said mass, means actuated by and in response to centrifugal force, produced by the spin of the projectile, to ignite the material, whereby the combustion thereof heats the mass and after a delay determined by the heat conductivity of said mass, causes the substance to melt and thus releases the switch member previously held thereby.

2,458,484
PROCESS OF PREPARING EPOXY DERIVATIVES FROM UNSATURATED ALIPHATIC COMPOUNDS
David E. Terry and Donald H. Wheeler, Minneapolis, Minn., assignors to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 17, 1946, Serial No. 677,400
7 Claims. (Cl. 260—348)

1. Process for the epoxidation of water immiscible organic compounds selected from the group consisting of acids, esters and amides, said compounds containing a long chain unsaturated aliphatic group, which comprises reacting said organic compound with aqueous peracetic acid immiscible with said organic compound under conditions of vigorous agitation, allowing the reaction mixture to separate into two phases, and separating the two phases.

2,458,485
PROCESS OF PREPARING 4-SUBSTITUTED-ar-TETRAHYDRO-2-NAPHTHOLS
Curt G. Vogt, Union, N. J., and Joseph M. Wilkinson, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 6, 1946, Serial No. 695,283
7 Claims. (Cl. 260—575)

1. A process of preparing 1-amino-4-substituted-ar-tetrahydro-2-naphthols which comprises hydrolyzing a 4-substituted-ar-tetrahydro-β-naphthoxazolone of the general formula:



wherein y is a radical selected from the group consisting of the nitro, amino, halogen, hydroxy, cyano, thiocyano and sulfonic acid radicals, by heating in the presence of an aqueous suspension of hydrated lime.

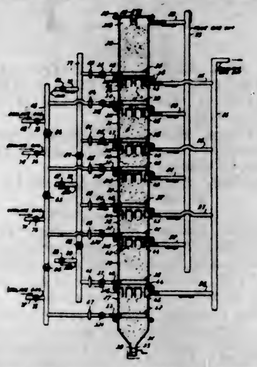
2,458,486
FUSIBLE AND READILY REMOVABLE PROTECTIVE COATING FOR METAL ARTICLES, COMPRISING ETHYL CELLULOSE AND MINERAL OIL
Arthur E. Young, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application August 27, 1945, Serial No. 613,015
6 Claims. (Cl. 260—17)

1. A fusible coating composition, free from volatile solvents, which is homogeneous in the molten state, and which congeals, when cooled to below 100° F. in contact with a metal surface, to form thereon a homogeneous, supple, and easily removable coating, substantially free from oily exudation, comprising as principal constituents: from 15 to 30 per cent of ethyl cellulose having an ethoxy content between 47 and 52 per cent; from 35 to 55 per cent of a mineral oil having a Saybolt viscosity between 200 and 800 at 100° F., and an aniline point less than 90° C.; from 7 to 30 per cent of a liquid condensate having a molecular weight between 300 and 600 obtained by heating a material selected from the group consisting of (1) styrene, (2) the mono-methyl homologs of styrene, and (3) mixtures of the foregoing with a liquid monocyclic aromatic hydrocarbon from the group consisting of toluene and xylene, at a temperature between 50° and 150° C. in the presence of a condensation catalyst; and from 3 to 12 per cent of a hydroxylated fatty oil.

2,458,487
METHOD AND APPARATUS FOR CONDUCTING THE REGENERATION OF A MOVING BED CATALYST
John A. Crowley, Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application May 24, 1944, Serial No. 537,136
8 Claims. (Cl. 252—418)

1. In a process of the type described, a method for burning contaminant deposits from a particle form inorganic solid contact material by the action of a combustion supporting gas at controlled elevated temperatures comprising: passing said solid through a series of superposed alternate combustion and cooling zones wherein it flows as a substantially compact column of downwardly flowing particle form solid material, continuously supplying contaminant bearing solid to the uppermost zone at a temperature sufficient to initiate the contaminant combustion, continuously withdrawing said solid from the lowermost zone at a controlled rate, introducing combustion supporting gas to each of said combustion zones at an independently controlled rate, distributing said gas at a plurality of locations

within each of said combustion zones and collecting gas to a second plurality of locations within each of said combustion zones, said distributing and collecting locations being so spaced apart as to permit the total required gas flow through the moving solid within each of said combustion zones without boiling of said solid, withdrawing gas from each of said combustion zones while substantially preventing flow of said gas into adjacent cooling zones, independently introducing a substantially inert cooling gas into each of said cooling zones at a controlled rate and temperature, similarly distributing and collecting said gas within each of said cooling zones and withdrawing it therefrom; controlling the



rate of combustion supporting gas introduction to each combustion zone to effect therein an amount of contaminant combustion sufficient to heat said solid from an inlet temperature which is near but above that minimum required for rapid contaminant combustion to an outlet temperature which is near but below that which would cause heat damage to the solid material, and controlling the rate and temperature of inert cooling gas introduction to said cooling zones to effect removal from the solid material of substantially all the heat absorbed by it in the preceding combustion zone without the aid of indirect heat transfer between the solid material and any cooling fluid.

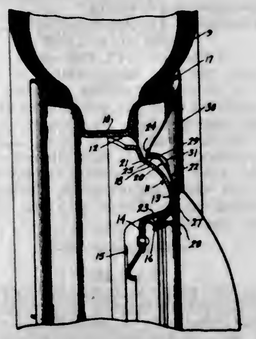
2,458,488
MAGIC TRICK
Kenneth S. Franke, Woodside, Long Island, N. Y.; Marian Franke executrix of said Kenneth S. Franke, deceased
Application July 25, 1946, Serial No. 686,089
7 Claims. (Cl. 272—8)

1. A magic trick device comprising a plurality of objects of substantially identical outward shape and size, certain of said objects being provided with indentations of different depths, means covering the openings to said indentations so that they are not visible to the eye and means for determining the depth of an indentation comprising a pointed instrument adapted to penetrate said cover means and to enter one of the objects to the bottom of its indentation, the amount of penetration serving as an indication of the depth of the indentation and thus of the identity of the object penetrated.

2,458,489
LEASH FOR ANIMALS
Arthur L. Hallander, University City, Mo., assignor of one-half to Charles L. Martin, St. Louis, Mo.
Application March 5, 1947, Serial No. 732,465
7 Claims. (Cl. 119—109)

2. A leash for animals comprising a cord having a figure-8 loop at one end and an apertured element on each side of one lobe of said loop slidably receiving the adjacent side of the other lobe thereof.

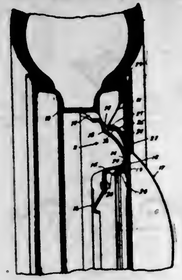
2,458,490
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application December 8, 1944, Serial No. 567,191
14 Claims. (Cl. 301—37)



1. As an article of manufacture a wheel trim retaining element comprising an annulus having a radially outer substantially right angular portion facing radially outwardly, an intermediate portion of curved convex cross sectional shape to fit over a wheel body and a radially and axially inner turned edge for detachable engagement by

retaining elements on a wheel, said right angular portion including a radial leg at the axially inner side of the angular portion to serve as a backing for an edge of a trim element and an axial leg extending axially outwardly from the radially inner edge of the radial leg to juncture with the intermediate portion and forming a seat for the edge of the trim element.

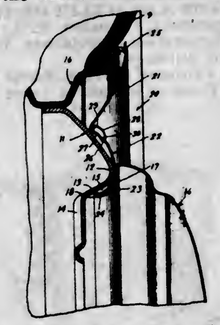
2,458,491
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 571,851
4 Claims. (Cl. 301—37)



1. In combination in a wheel cover adapted to be applied to the outer side of a vehicle wheel comprising a tire rim and a load sustaining body portion, radially inner and outer concentric cover sections formed in one piece and extending in generally divergent directions from their junction, the outer of said sections being adapted to cover the tire rim and having a convex generally tire side wall simulating shape and the inner of said sections being adapted to lie in body concealing relationship, the junction between said sections providing a generally axially outwardly opening groove defined at its inner section side by a generally radially outwardly facing shoulder, radially outwardly protruding trim retaining protrusions on said shoulder, and a reinforcing and ornamental bead structure having a turned edge extending substantially to the root of said groove and being retained by said protrusions in snap-on relationship.

2,458,492
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 571,852
9 Claims. (Cl. 301—37)

1. In a cover structure for a wheel including a flanged tire rim part, a body part provided with hub cap retaining protuberances, and a hub cap detachably held on the wheel by said protuberances, a cover including an annulus of resiliently pliable material for substantially concealing exposed side flanges of the rim part and having an inner edge retainingly attached to the hub cap, said annulus having a free outer edge manually accessible for flexure said annulus being so constructed and related to the hub cap and the protuberances that when the annulus is manually pulled generally axially outwardly away from the wheel it results in forcibly pull-



ing the cap and said annulus out of retained engagement with said protuberances, said annulus being of generally channel-like cross-sectional shape with an outer portion disposed over the rim flanges and an inner portion disposed over a portion of the body part and extending to the attachment on the hub cap, and a reinforcing bead at the junction of said two cover portions.

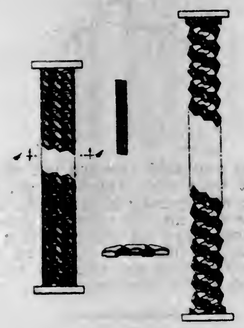
2,458,493
METHOD OF ORNAMENTATION
Ellen Troy, New York, N. Y.
Application July 26, 1946, Serial No. 686,375
2 Claims. (Cl. 41—34)

1. The process of producing on a pliable fabric base an ornamentation, which consists in applying a relatively thin layer of paint of plastic composition to one of the surfaces of said base, introducing from the opposite surface of said base and within the confines of said layer through said base anchoring means so that the same extend to said one surface, retaining in place by said anchoring means on said one surface a rigid jewel element, and finally depositing adjacent said anchoring means and said element, a further layer of said paint, whereby the pliability of said base will be substantially maintained at the location of said ornamentation.

DESIGNS

JANUARY 4, 1949

152,225
DESIGN FOR A BRACELET OR THE LIKE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application February 25, 1948, Serial No. 144,728
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a bracelet or the like, substantially as shown and described.

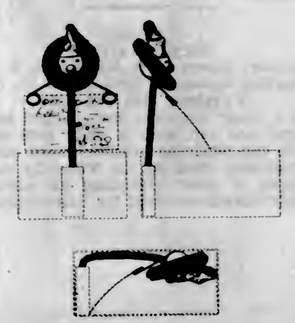
152,227
DESIGN FOR A TERMINAL LINK FOR A WATCH BRACELET OR SIMILAR ARTICLE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 9, 1948, Serial No. 146,862
Term of patent 14 years
(Cl. D45—4)

The ornamental design for a terminal link for a watch bracelet or similar article, substantially as shown.

152,236
DESIGN FOR A BRACELET OR THE LIKE
Karl C. Augenstein, Cranston, R. I., assignor to Speidel Corporation, Providence, R. I., a corporation of Rhode Island
Application June 9, 1948, Serial No. 146,861
Term of patent 14 years
(Cl. D45—4)

The ornamental design for a bracelet or the like, substantially as shown and described.

152,238
DESIGN FOR A JACK-IN-THE-BOX DISPLAY FIGURE
Leslie V. Barofsky, Chicago, Ill.
Application April 29, 1947, Serial No. 138,676
Term of patent 7 years
(Cl. D1—2)



The ornamental design for a jack-in-the-box display figure, substantially as shown and described.

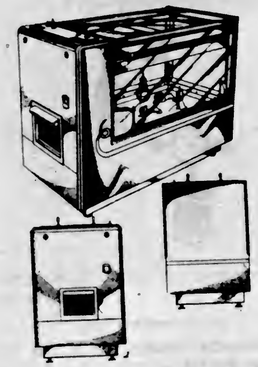
152,239
DESIGN FOR A PERFUME BOTTLE
Main R. Boeher, New York, N. Y.
Application August 25, 1947, Serial No. 141,055
Term of patent 14 years
(Cl. D58—8)

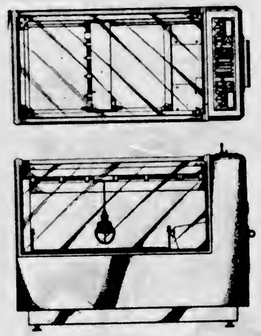
The ornamental design for a perfume bottle, as shown and described.

152,240
DESIGN FOR A JEWELRY FINDING
Michael Chernow, New York, N. Y.
Application July 19, 1947, Serial No. 140,405
Term of patent 7 years
(Cl. D45—1)

The ornamental design for a jewelry finding, substantially as shown.

152,241
DESIGN FOR AN AMUSEMENT MACHINE CABINET
Edward J. Collins, Brentwood, Los Angeles, Calif., assignor to Raymond T. Maloney, Chicago, Ill.
Application June 20, 1947, Serial No. 139,833
Term of patent 14 years
(Cl. D24—5)





The ornamental design for an amusement machine cabinet, substantially as shown.

152,242
DESIGN FOR A FISH LURE
Norman W. Dahm and Albert F. Keller, San Diego, Calif.
Application September 29, 1947, Serial No. 141,638
Term of patent 14 years
(Cl. D31—4)

The ornamental design for a fish lure, substantially as shown.

152,243
DESIGN FOR A FISHING LURE
George C. De Bay, Jr., West Palm Beach, Fla.
Application May 7, 1947, Serial No. 138,863
Term of patent 14 years
(Cl. D31—4)

The ornamental design for a fishing lure, as shown.

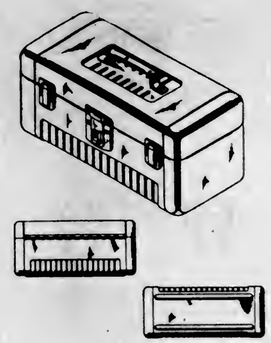
152,244
DESIGN FOR A JACKET
Simon Etkin, New York, N. Y.
Application July 13, 1948, Serial No. 147,531
Term of patent 3½ years
(Cl. D2—4)

The ornamental design for a jacket, substantially as shown.

152,245
DESIGN FOR A FOAM SCRAPER HOLDER
Frank Farrell, New York, N. Y., assignor to Jacob Ruppert, New York, N. Y., a corporation of New York
Application June 7, 1947, Serial No. 139,508
Term of patent 14 years
(Cl. D2—3)

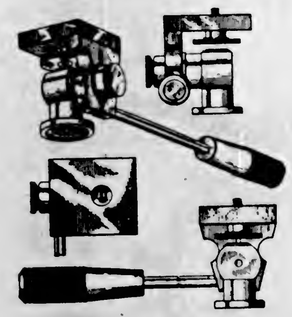
The ornamental design for a foam scraper holder, substantially as shown and described.

152,246
DESIGN FOR A TOOL CHEST OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York
Application October 1, 1947, Serial No. 141,707
Term of patent 14 years
(Cl. D58—12)



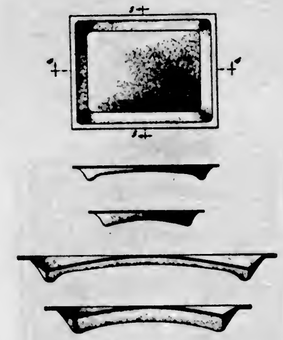
The ornamental design for a tool chest or the like, substantially as shown.

152,247
DESIGN FOR A TRIPOD HEAD FOR A CAMERA OR SIMILAR ARTICLE
Stanley J. Flesh, Chicago, Ill.
Application April 30, 1948, Serial No. 146,075
Term of patent 7 years
(Cl. D61—1)



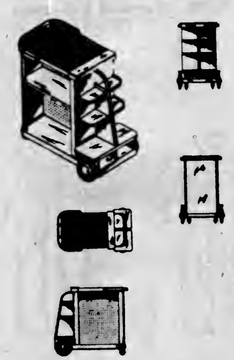
The ornamental design for a tripod head for a camera or similar article, substantially as shown.

152,248
DESIGN FOR A TELEVISION SCREEN PROTECTOR
Thomas Fortino, Belleville, N. J.
Application July 17, 1947, Serial No. 140,341
Term of patent 7 years
(Cl. D26—14)



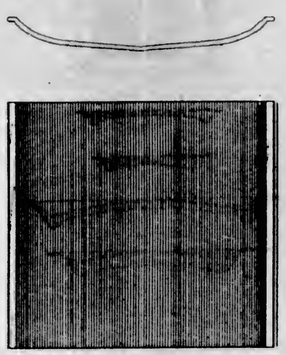
The ornamental design for a television screen protector, as shown.

152,249
DESIGN FOR A SERVICE CART FOR SERVICE STATIONS AND THE LIKE
Alexander P. Fox, University City, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application December 20, 1947, Serial No. 143,264
Term of patent 3½ years
(Cl. D14—3)



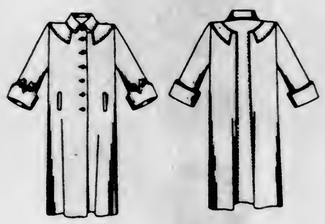
The ornamental design for a service cart for service stations and the like, substantially as shown.

152,250
DESIGN FOR A GLASS PLATE FOR LIGHTING FIXTURES
Kurt Franck and Vearl Winse, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application March 21, 1946, Serial No. 127,749
Term of patent 14 years
(Cl. D48—16)



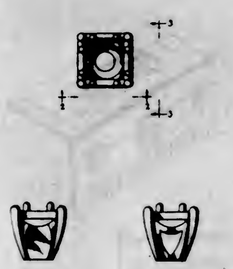
The ornamental design for a glass plate for lighting fixtures, as shown and described.

152,251
DESIGN FOR A COAT
Jules Freedman, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application June 26, 1948, Serial No. 147,217
Term of patent 3½ years
(Cl. D3—4)



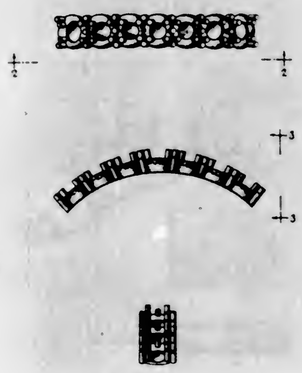
The ornamental design for a coat, substantially as shown.

152,253
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Fred J. Gaertner, Maplewood, N. J.
Application May 5, 1947, Serial No. 138,810
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a jewelry setting or similar article, as shown.

152,253
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Fred J. Gaertner, Maplewood, N. J.
Application May 5, 1947, Serial No. 138,811
Term of patent 14 years
(Cl. D45—1)



The ornamental design for a jewelry setting or similar article, as shown.

152,254
DESIGN FOR A HOLDER FOR EYEGLASSES
Michael S. Gallo, Racine, Wis.
Application April 20, 1947, Serial No. 138,697
Term of patent 14 years
(Cl. D57—1)

The ornamental design for a holder for eyeglasses, as shown and described.

152,255
DESIGN FOR AN OVERSHOE
Doris A. Geeller, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application March 26, 1948, Serial No. 145,381
Term of patent 14 years
(Cl. D7—4)

The ornamental design for an overshoe, as shown.

152,256
DESIGN FOR A FISH LURE
Chester J. Gorman, West Bend, Wis.
Application March 24, 1947, Serial No. 137,839
Term of patent 3½ years
(Cl. D31—4)

The ornamental design for a fish lure, as shown.

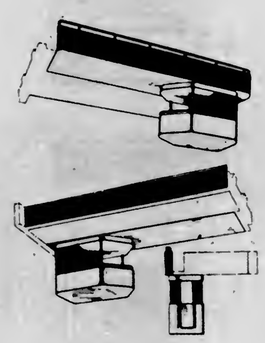
152,257
DESIGN FOR A PIN RECEPTACLE
Dudley M. Gould, New York, and Alexander E. Lewis, Brooklyn, N. Y.
Application November 15, 1947, Serial No. 142,554
Term of patent 7 years
(Cl. D86—10)

The ornamental design for a pin receptacle, as shown.

152,258
DESIGN FOR AN ELECTRIC CONNECTOR
Hugh B. Gould, Berwyn, Ill., assignor, by mesne assignments, to Francis C. Keilath, Chicago, Ill.
Application May 29, 1946, Serial No. 130,229
Term of patent 14 years
(Cl. D26—1)

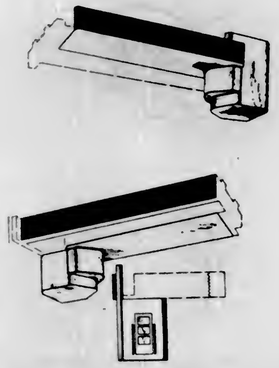
The ornamental design for an electric connector, as shown.

152,259
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,158
Term of patent 14 years
(Cl. D41—1)



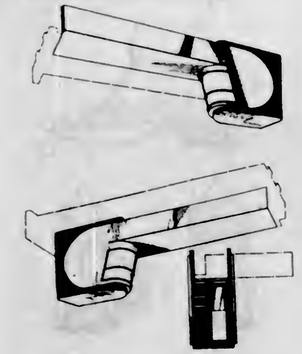
The ornamental design for a bridge crane, substantially as shown and described.

152,260
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,159
Term of patent 14 years
(Cl. D41—1)



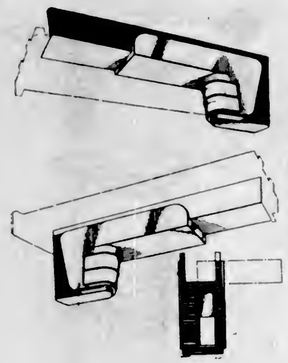
The ornamental design for a bridge crane, substantially as shown and described.

152,261
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,160
Term of patent 14 years
(Cl. D41—1)



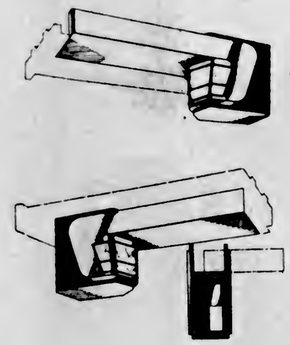
The ornamental design for a bridge crane, substantially as shown and described.

152,262
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,161
Term of patent 14 years
(Cl. D41—1)



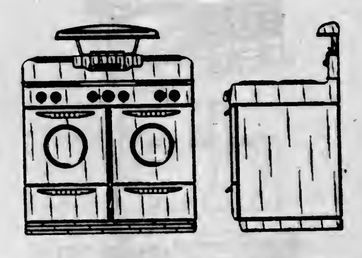
The ornamental design for a bridge crane, substantially as shown and described.

152,263
DESIGN FOR A BRIDGE CRANE
Folke Malcolm Gustafson and John McLeod Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich., a corporation of New Jersey
Application November 29, 1946, Serial No. 135,163
Term of patent 14 years
(Cl. D41—1)



The ornamental design for a bridge crane, substantially as shown and described.

152,264
DESIGN FOR A RANGE
Michael Hallward, Swampscott, Mass., assignor to Glenwood Range Company, Taunton, Mass., a corporation of Massachusetts
Application April 2, 1947, Serial No. 138,106
Term of patent 3½ years
(Cl. D81—4)

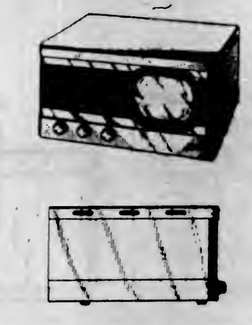


The ornamental design for a range, as shown and described.

152,265
DESIGN FOR A RAILROADER'S CAP
Andrew O. Hatlell, Grand Forks, N. Dak.
Application November 13, 1947, Serial No. 142,505
Term of patent 7 years
(Cl. D3—13)

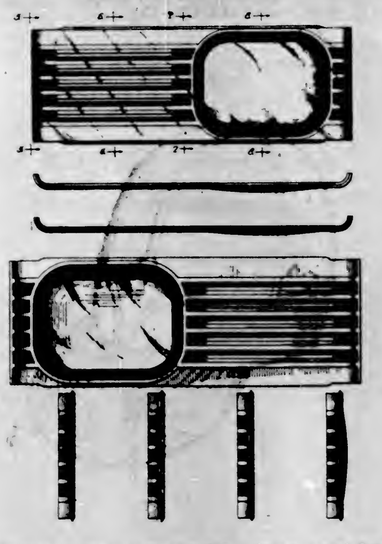
The ornamental design for a railroader's cap, as shown and described.

152,266
DESIGN FOR A TELEVISION RECEIVER CABINET
Albert L. Jenks, Dixon, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application February 25, 1948, Serial No. 144,725
Term of patent 14 years
(Cl. D86—4)



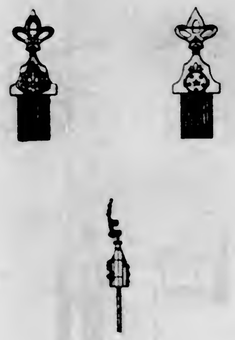
The ornamental design for a television receiver cabinet, substantially as shown.

152,267
DESIGN FOR A FRONT PANEL FOR A TELEVISION RECEIVER OR THE LIKE
Vernon A. Kamin, Elgin, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application January 9, 1948, Serial No. 142,632
Term of patent 14 years
(Cl. D86—4)



The ornamental design for a front panel for a television receiver or the like, substantially as shown.

152,268
DESIGN FOR A JEWELRY PIN
Daniel Kaseff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,621
Term of patent 3½ years
(Cl. D45—19)

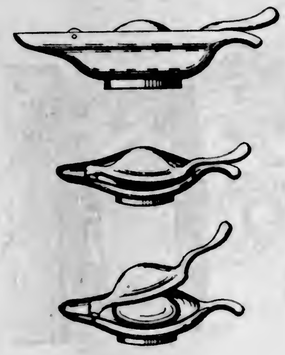


The ornamental design for a jewelry pin, substantially as shown.

152,269
DESIGN FOR A JEWELRY PIN
Daniel Kaseff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,624
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a jewelry pin, substantially as shown.

152,270
DESIGN FOR A FRUIT SQUEEZER
Jan Kasprzak, New York, N. Y.
Application January 27, 1947, Serial No. 136,451
Term of patent 3½ years
(Cl. D44—29)



The ornamental design for a fruit squeezer, as shown.

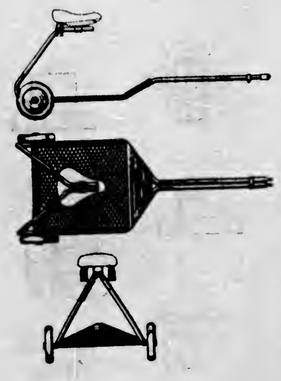
152,271
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Louis Kramer, New York, N. Y.
Application July 22, 1948, Serial No. 147,706
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article substantially as shown.

152,272
DESIGN FOR AN ILLUMINABLE VANITY CASE OR THE LIKE
Fritz Kueppersbusch, Mamaroneck, N. Y.
Application October 5, 1946, Serial No. 133,784
Term of patent 14 years
(Cl. D86—10)

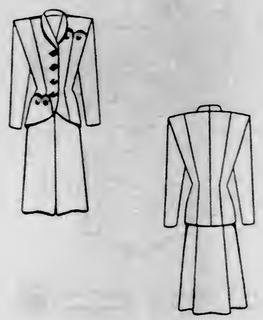
The ornamental design for an illuminable vanity case or the like, as shown and described.

152,273
DESIGN FOR A TRAILER ATTACHMENT FOR A POWER LAWN MOWER OR THE LIKE
Ralph N. Leonard, Chicago, Ill.
Application January 10, 1948, Serial No. 143,655
Term of patent 7 years
(Cl. D14—3)



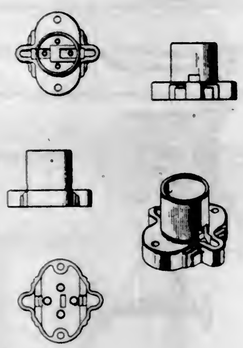
The ornamental design for a trailer attachment for a power lawn mower or the like, as shown and described.

152,274
DESIGN FOR A LADY'S SUIT
Julius Lipman, New York, N. Y.
Application June 30, 1948, Serial No. 147,296
Term of patent 3½ years
(Cl. D2—4)



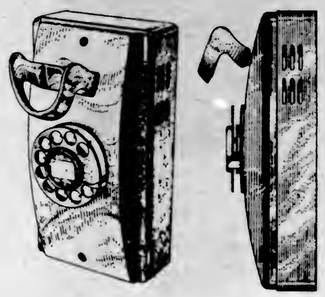
The ornamental design for a lady's suit, substantially as shown.

152,275
DESIGN FOR AN ELECTRICAL CLEAT RECEPTACLE BODY
Louis Ludwig, New York, N. Y.
Application August 14, 1947, Serial No. 140,860
Term of patent 14 years
(Cl. D26—1)



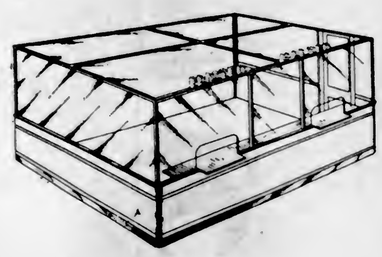
The ornamental design for an electrical cleat receptacle body, as shown.

152,276
DESIGN FOR A WALL MOUNTING FOR A HAND TELEPHONE
George R. Lum, South Wilton, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1947, Serial No. 143,066
Term of patent 14 years
(Cl. D26—14)



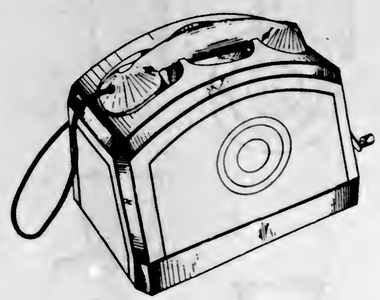
The ornamental design for a wall mounting for a hand telephone, as shown.

152,277
DESIGN FOR A BOOTH
Charles N. Manville, Lynwood, Calif.
Application December 12, 1946, Serial No. 135,436
Term of patent 3½ years
(Cl. D13—1)



The ornamental design for a booth, substantially as shown and described.

152,278
DESIGN FOR A COMBINED TELEPHONE DESK STAND AND HANDSET
Edward F. McKenna, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 26, 1947, Serial No. 139,940
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a combined telephone desk stand and handset, as shown.

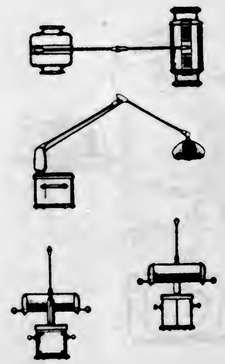
152,279
DESIGN FOR A LIQUOR JIGGER OR SIMILAR ARTICLE
Thomas B. McKiernan, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application May 14, 1947, Serial No. 139,032
Term of patent 14 years
(Cl. D36—8)

The ornamental design for a liquor jigger or similar article, as shown.

152,280
DESIGN FOR A LIQUOR JIGGER OR SIMILAR ARTICLE
Thomas B. McKiernan, Meriden, Conn., assignor to The Ellmore Silver Co., Inc., Meriden, Conn., a corporation of Connecticut
Application May 14, 1947, Serial No. 139,033
Term of patent 14 years
(Cl. D36—8)

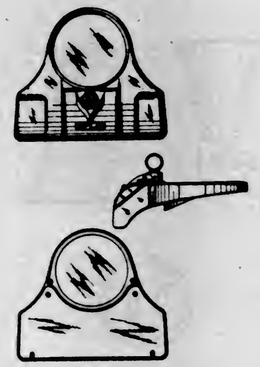
The ornamental design for a liquor jigger or similar article, as shown.

152,281
DESIGN FOR AN ULTRAVIOLET LAMP
Jacob A. Mehr, St. Louis, Mo.
Application August 30, 1947, Serial No. 141,133
Term of patent 7 years
(Cl. D48—20)



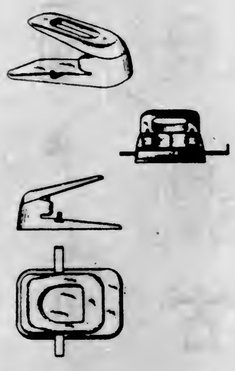
The ornamental design for an ultra-violet lamp, as shown.

152,282
DESIGN FOR A COMBINED LAMP AND MAGNIFIER
Jacob A. Mehr, St. Louis, Mo.
Application September 13, 1947, Serial No. 141,383
Term of patent 14 years
(Cl. D48—26)



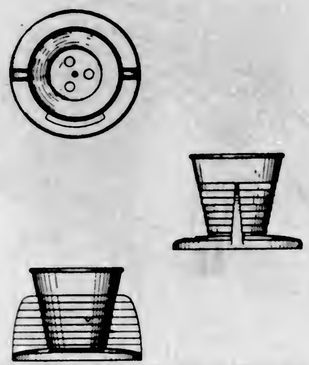
The ornamental design for a combined lamp and magnifier, as shown.

152,283
DESIGN FOR A PAPER PUNCH
William H. Misson, Los Altos, Calif.
Application January 13, 1947, Serial No. 136,115
Term of patent 14 years
(Cl. D74—1)



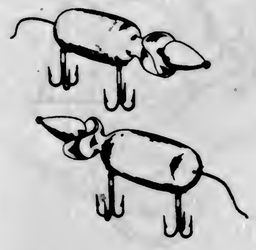
The ornamental design for a paper punch, as shown.

152,284
DESIGN FOR A BEVERAGE BREWING DEVICE
Peter Muller-Munk, Pittsburgh, Pa., assignor to The Hartford Products Corporation, Chicago, Ill., a corporation of Connecticut
Application February 4, 1947, Serial No. 136,676
Term of patent 14 years
(Cl. D44—9)



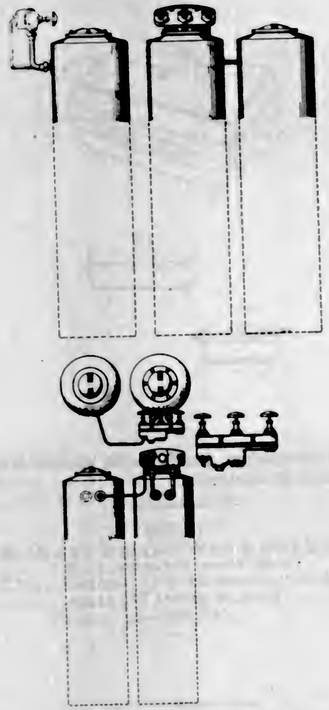
The ornamental design for a beverage brewing device, substantially as shown.

152,285
DESIGN FOR A FISH LURE
Frank Nemeth, Akron, Ohio, assignor of one-half to Albert B. Carpenter, Akron, Ohio
Application October 10, 1947, Serial No. 141,851
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish lure, as shown.

153,286
DESIGN FOR A BASE EXCHANGE WATER TREATMENT APPARATUS
Glenn A. Patterson, Delavan, Wis., assignor to Sta-Rite Products, Incorporated, Delavan, Wis., a corporation of Wisconsin
Application June 26, 1946, Serial No. 131,032
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a base exchange water treatment apparatus, substantially as shown and described.

152,287
DESIGN FOR A FISH LURE
Melkiah Edward Pope, Montrose, Calif.
Application October 21, 1947, Serial No. 142,042
Term of patent 3½ years
(Cl. D31—4)

The ornamental design for a fish lure, as shown.

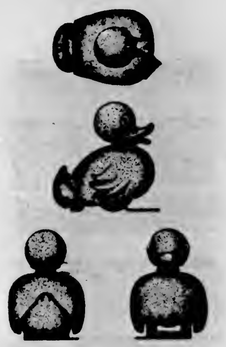
152,288
DESIGN FOR A TEXTILE FABRIC
Edwin Raphaels, New York, N. Y.
Application January 8, 1948, Serial No. 143,591
Term of patent 7 years
(Cl. D98—1)

The ornamental design for a textile fabric, substantially as shown.

152,289
DESIGN FOR A LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Harry Reinstein, Rye, N. Y.
Application June 2, 1947, Serial No. 139,400
Term of patent 3½ years
(Cl. D45—4)

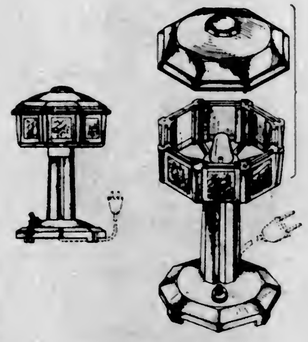
The ornamental design for a link chain for a bracelet or similar article, as shown and described.

152,290
DESIGN FOR A PULL TOY
Henry C. Roberts, Detroit, Mich.
Application October 10, 1947, Serial No. 141,854
Term of patent 7 years
(Cl. D34—15)



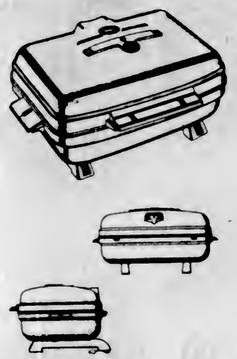
The ornamental design for a pull toy, as shown.

152,291
DESIGN FOR A LAMP
Herman Rubin, Los Angeles, Calif., assignor to National Pictorial Lamp, Inc., Los Angeles, Calif., a corporation of California
Application July 28, 1947, Serial No. 140,565
Term of patent 14 years
(Cl. D42—20)



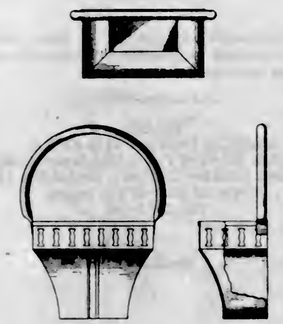
The ornamental design for a lamp, as shown and described.

152,292
DESIGN FOR AN ELECTRIC BROILER
Harry Sado, New York, N. Y., assignor to Marlun Manufacturing Company, Inc., New York, N. Y.
Application February 24, 1948, Serial No. 144,699
Term of patent 14 years
(Cl. D81—10)



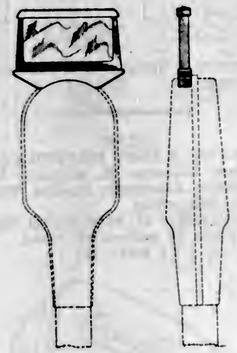
The ornamental design for an electric broiler, substantially as shown.

152,293
DESIGN FOR A HANGING FLOWER BASKET
Jack Shaw, Brooklyn, N. Y.
Application March 19, 1947, Serial No. 137,742
Term of patent 3½ years
(Cl. D35—2)



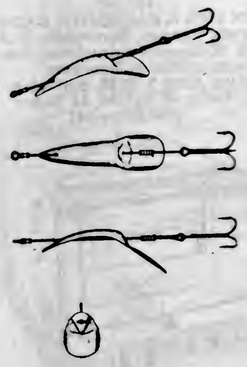
The ornamental design for a hanging flower basket, as shown.

152,294
DESIGN FOR AN ADVERTISING DISPLAY DEVICE FOR ATTACHMENT TO PARKING METERS
Harold R. Siegel and Morris Paull, Rochester, N. Y.
Application February 13, 1947, Serial No. 136,890
Term of patent 14 years
(Cl. D1—12)



The ornamental design for an advertising display device for attachment to parking meters, substantially as shown and described

152,295
DESIGN FOR A TROLLING SPINNER
Vavrince Simun, Detroit, Mich.
Application October 7, 1947, Serial No. 141,780
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a trolling spinner, as shown.

152,296
DESIGN FOR A BOTTLE
Frazier Smith, Wheeling, W. Va., assignor to L. Perrigo Company, Allegan, Mich.
Application October 16, 1947, Serial No. 141,945
Term of patent 14 years
(Cl. D58—5)

The ornamental design for a bottle, as shown.

152,297
DESIGN FOR A BADGE OR THE LIKE
Jesse E. Smith, Greenbelt, Md.
Application January 21, 1947, Serial No. 136,269
Term of patent 14 years
(Cl. D29—2)

The ornamental design for a badge or the like, substantially as shown.

152,298
DESIGN FOR A COAT
John F. Strassner, New York, N. Y.
Application July 13, 1948, Serial No. 147,547
Term of patent 3½ years
(Cl. D3—4)

Th ornamental design for a coat, substantially as shown.

152,299
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application July 13, 1948, Serial No. 147,548
Term of patent 3½ years
(Cl. D2—4)

The ornamental design for a jacket, substantially as shown.

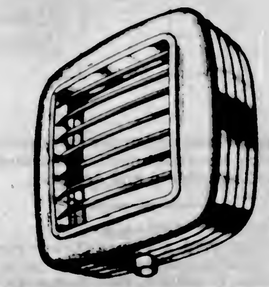
152,300
DESIGN FOR A COAT
John F. Strassner, New York, N. Y.
Application July 13, 1948, Serial No. 147,550
Term of patent 3½ years
(Cl. D3—4)

The ornamental design for a coat, substantially as shown.

152,301
DESIGN FOR A JACKET
John F. Strassner, New York, N. Y.
Application July 13, 1948, Serial No. 147,551
Term of patent 3½ years
(Cl. D3—4)

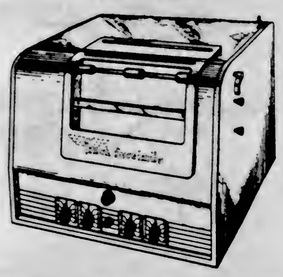
The ornamental design for a jacket, substantially as shown.

152,302
DESIGN FOR A UNIT HEATER CASING
James Teague, Chicago, Ill., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application January 31, 1947, Serial No. 136,557
Term of patent 14 years
(Cl. D81—10)



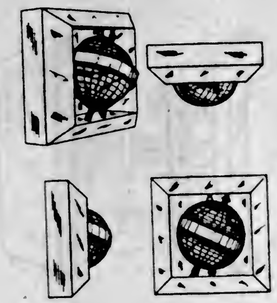
The ornamental design for a unit heater casing, as shown and described.

152,303
DESIGN FOR A FACSIMILE RECORDER
Walter Dorwin Teague, Annandale, N. J., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
Application April 3, 1946, Serial No. 128,228
Term of patent 14 years
(Cl. D26—14)



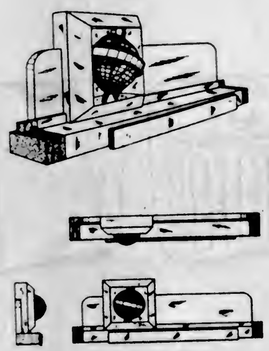
The ornamental design for a facsimile recorder, as shown and described.

152,304
DESIGN FOR AN ILLUMINABLE OUTDOOR ADVERTISING DISPLAY
Henry A. Thuernau, Clayton, Mo., assignor to Globe-Democrat Publishing Co., St. Louis, Mo., a corporation of Missouri
Application January 22, 1947, Serial No. 136,284
Term of patent 3½ years
(Cl. D1—12)



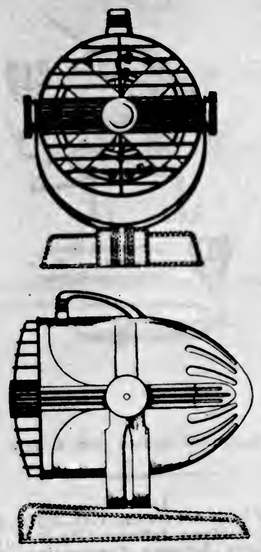
The ornamental design for an illuminable outdoor advertising display, substantially as shown.

152,305
DESIGN FOR AN OUTDOOR ADVERTISING BULLETIN BOARD
Henry A. Thuernau, Clayton, Mo., assignor to Globe-Democrat Publishing Co., St. Louis, Mo., a corporation of Missouri
Application January 22, 1947, Serial No. 136,285
Term of patent 3½ years
(Cl. D1—12)



The ornamental design for an outdoor advertising bulletin board, substantially as shown.

152,306
DESIGN FOR AN ELECTRIC CIRCULATING HEATER
Lawson Eugene Turner, Owosso, Mich., assignor to Diecha Industries, Owosso, Mich., a corporation of Michigan
Application May 6, 1946, Serial No. 129,367
Term of patent 3½ years
(Cl. D81—10)

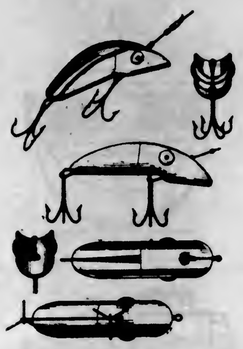


The ornamental design for an electric circulating heater, as shown and described.

152,307
DESIGN FOR A CHAIN TIE CLIP
Harold C. Valsey, Rochester, N. Y., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y., a corporation of New York
Application June 10, 1947, Serial No. 139,565
Term of patent 14 years
(Cl. D17—10)

The ornamental design for a chain tie clip, as shown.

152,308
DESIGN FOR A FISH LURE
Russell W. Wells, Pomona, Calif.
Application May 21, 1947, Serial No. 139,186
Term of patent 14 years
(Cl. D31—4)

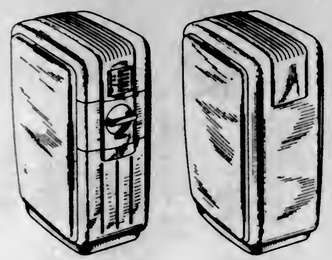


The ornamental design for a fish lure, as shown.

152,309
DESIGN FOR AN OVER-THE-SHOE BOOT
William T. Williams, Johnson City, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application July 8, 1948, Serial No. 147,443
Term of patent 7 years
(Cl. D7—4)

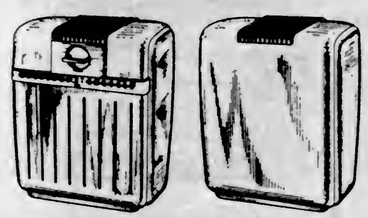
The ornamental design for an over-the-shoe boot, substantially as shown and described.

152,310
DESIGN FOR A PHOTOGRAPHIC FILM DEVELOPING UNIT OR SIMILAR ARTICLE
Douglas F. Winnek, Margate City, N. N. J.
Application December 17, 1946, Serial No. 135,578
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a photographic film developing unit or similar article, substantially as shown.

152,311
DESIGN FOR A PHOTOGRAPHIC FILM DEVELOPING UNIT OR SIMILAR ARTICLE
Douglas F. Winnek, Margate City, N. J.
Application December 17, 1946, Serial No. 135,579
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a photographic film developing unit or similar article, substantially as shown.

152,312
DESIGN FOR A HOT WATER PLATE
Eva S. Zeisel, New York, N. Y., assignor to China & Glass Distributors, Inc., New York, N. Y., a corporation of New York
Application April 18, 1947, Serial No. 138,469
Term of patent 7 years
(Cl. D44—15)

152,312—Continued

The ornamental design for a hot water plate, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Adams Clothes, Inc., Philadelphia, Pa. Men's and boys' wearing apparel. Serial No. 530,794, Jan. 4. Class 39.

Advance Footwear Co., New York, N. Y. Children's shoes. Serial No. 520,140, Jan. 4. Class 39.

Aetna Auto Parts Co., Chicago, Ill. Automotive and truck parts and accessories. Serial No. 530,143, Jan. 4. Class 19.

Allied Chemical & Dye Corporation, New York, N. Y. Chemical reagent. Serial No. 543,859, Jan. 4. Class 6.

Alroy Publishing Corporation, New York, N. Y. Magazine. Serial No. 516,464, Jan. 4. Class 38.

Amberg File and Index Company, Kankakee, Ill. Paper, cloth, and cardboard files, and mounts for photographic negatives, metal tabs for file guides, etc. Serial No. 532,536, Jan. 4. Class 37.

American Chemical Society, Washington, D. C. Periodicals. Serial No. 534,726, Jan. 4. Class 38.

American Cyanamid Company, New York, N. Y. Anticonvulsant, anti-spasmodic preparation. Serial No. 560,744, Jan. 4. Class 6.

American Fruit Growers, Inc., Pittsburgh, Pa. Fresh citrus fruits. Serial No. 531,418, Jan. 4. Class 46.

American Furnace Company, St. Louis, Mo. Wood, coal, oil, or gas burning furnaces and heaters. Serial No. 534,079, Jan. 4. Class 34.

American Gas Machine Company, Albert Lea, Minn. Gasoline, kerosene, and liquified petroleum burning cook stoves. Serial No. 530,268, Jan. 4. Class 34.

American Lacquer Solvents Company, Phoenixville, Pa. Cleaning preparation. Serial No. 554,758, Jan. 4. Class 4.

Armand Company, The, Des Moines, Iowa. Rouge and lip stick. Serial No. 559,474, Jan. 4. Class 6.

Armstrong Cork Company, Lancaster, Pa. Fountain syringes. Serial No. 535,451, Jan. 4. Class 44.

Arnold, S. M., Inc., St. Louis, Mo. Sponges and chamois. Serial No. 543,407, Jan. 4. Class L.

Assau, W. F., Canning Co., Inc., Baltimore, Md. Canned fruits and vegetables. Serial No. 538,454, Jan. 4. Class 46.

Assau, W. F., Canning Co., Inc., Baltimore, Md. Canned fruits and canned vegetables. Serial No. 535,455, Jan. 4. Class 46.

Automatic Burner Corporation, Chicago, Ill. Oil burners and parts thereof. Serial No. 538,086, Jan. 4. Class 34.

Avrick Paper Company, New York, N. Y. Air mail writing paper and envelopes. Serial No. 546,641, Jan. 4. Class 37.

B. G. B. Mfg. Company, Dearborn, Mich. Gas burners. Serial No. 512,483, Jan. 4. Class 34.

Bar-O-Lite Ltd., Brooklyn, N. Y. Small portable mirrors and illuminated mirrors. Serial No. 536,218, Jan. 4. Class 32.

Barred Arrow Products: *See*—
Lambert, Theodore N.

Beautykote Corporation, Newark, N. J. Synthetic adhesive cement. Serial No. 507,006, Jan. 4. Class 5.

Benwood-Linze Company, St. Louis, Mo. Electric current rectifiers. Serial No. 547,379, Jan. 4. Class 21.

Big Top Beverages: *See*—
Collins, Carr, Jr.

Big Top Beverages Inc., assignee: *See*—
Collins, Carr, Jr.

Bristol-Myers Company, New York, N. Y. Antacid aspirin. Serial No. 543,436, Jan. 4. Class 6.

Broadcasting Publications, Inc., Washington, D. C. Columns or sections of periodical publication. Serial Nos. 555,145–6, Jan. 4. Class 38.

Broadcasting Publications, Inc., Washington, D. C. Section or column comprised of pictures alone or accompanied by explanatory wording. Serial No. 555,147, Jan. 4. Class 38.

Burlington Mills Corporation, Greensboro, N. C. Piece goods of cotton, silk, linen and synthetic fibers. Serial No. 553,449, Jan. 4.

Buffington, Incorporated, Worcester, Mass. Tablet for the treatment of hyperacidity and pylorospasms. Serial No. 529,590, Jan. 4. Class 6.

Cain, S. V., Inc., Peoria, Ill. Wax base cleaner. Serial No. 565,907, Jan. 4. Class 4.

California Cotton Mills Company, Oakland, Calif. Mops. Serial No. 544,252, Jan. 4. Class 29.

California Fruit Exchange, Sacramento, Calif. Fresh deciduous fruits. Serial No. 535,797, Jan. 4. Class 46.

Cam Manufacturing Co.: *See*—
May, C. Arthur.

Cameo Fabrics Inc., New York, N. Y. Woven textile fabrics of rayon yarn in the piece. Serial No. 536,047, Jan. 4. Class 42.

Canuet Freres, Paris, France. Beads and metal spangles in the nature of trimmings. Serial No. 520,262, Jan. 4. Class 40.

Carter Brothers, Incorporated, Chattanooga, Tenn. Bedspreads and draperies. Serial No. 546,830, Jan. 4. Class 42.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial Nos. 535,799–801, Jan. 4. Class 13.

Central National Corporation, New York, N. Y. Bond papers, bristol board, glassine, etc. Serial Nos. 546,465–6, Jan. 4. Class 37.

Chase Bags Co., New York, N. Y. Twine for clothing bags. Serial No. 545,699, Jan. 4. Class 7.

Chicago Bridge & Iron Company, Chicago, Ill. Liquid storage tanks. Serial No. 534,999, Jan. 4. Class 2.

Clark Equipment Company, Buchanan, Mich. Power operated industrial material handling trucks. Serial No. 528,261, Jan. 4. Class 23.

Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Thread. Serial No. 533,540, Jan. 4. Class 43.

Cle-Draulic Company, Cleveland, Ohio. Shock absorbers for motor vehicles. Serial No. 513,028, Jan. 4. Class 19.

Cle-Draulic Company, Cleveland, Ohio. Shock absorbers for motor vehicles. Serial No. 513,388, Jan. 4. Class 19.

Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Dental handpieces. Serial No. 530,060, Jan. 4. Class 44.

Climax Industries, Inc., Clinton, Iowa, assignor to Liberty Products Mfg. Co., Inc., Kansas City, Mo. Rotary plows. Serial No. 529,433, Jan. 4. Class 23.

Coenr & Halleck Mfg. Co., Kansas City, Mo. Hydraulic lift trailers. Serial No. 545,238, Jan. 4. Class 19.

Collins, Carr, Jr., doing business as Big Top Beverages, assignor to Big Top Beverages Inc., Dallas, Tex. Soft drinks and concentrates. Serial No. 534,748, Jan. 4. Class 45.

Columbia Pencil Company: *See*—
Strauss, Bertram A.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Plastic coated waterproof textile fabrics of cotton, nylon, rayon, etc. Serial No. 505,699, Jan. 4. Class 42.

Columbus Manufacturing Co., Columbus, Ga. Cotton sheetings. Serial No. 542,993, Jan. 4. Class 42.

Consolidated Materials Company, Duluth, Minn. Salt for feeding livestock. Serial No. 535,222, Jan. 4. Class 46.

Cory Corporation, Chicago, Ill. Electric stoves. Serial No. 534,091, Jan. 4. Class 21.

Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 559,791, Jan. 4. Class 42.

Crown Cork & Seal Company, Inc., Baltimore, Md. Cork discs. Serial No. 543,002, Jan. 4. Class 50.

Crown Cork & Seal Company, Inc., Baltimore, Md. Metallic closures. Serial No. 543,004, Jan. 4. Class 50.

Crown Cork Specialty Corporation, Decatur, Ill. Coated plastic containers. Serial No. 568,840, Jan. 4. Class 2.

Cudahy Packing Company, The, Chicago, Ill. Caustic in powder form. Serial No. 558,358, Jan. 4. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Soap polish and a mopping powder. Serial No. 558,359, Jan. 4. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Scouring powder. Serial No. 558,361, Jan. 4. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Detergent builder. Serial No. 558,366, Jan. 4. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Toilet soap. Serial No. 558,373, Jan. 4. Class 4.

Devere Company, Racine, Wis. Laundry machinery and equipment. Serial No. 521,120, Jan. 4. Class 24.

Diversey Corporation, The, Chicago, Ill. Granular chemical product. Serial No. 513,811, Jan. 4. Class 4.

Diversey Corporation, The, Chicago, Ill. Cleanser in granular form. Serial No. 513,812, Jan. 4. Class 4.

Diversey Corporation, The, Chicago, Ill. Paint stripper. Serial No. 522,095, Jan. 4. Class 16.

Dodge Manufacturing Corporation, Mishawaka, Ind. Friction clutches. Serial No. 526,991, Jan. 4. Class 23.

Doehla Greeting Cards, Inc., Fitchburg, Mass. Greeting cards. Serial No. 542,544, Jan. 4. Class 38.

Donahue Corporation, A. J., The, Milford, Conn. Garters. Serial No. 538,379, Jan. 4. Class 39.

Dow Chemical Company, The, Midland, Mich. Aromatic chemical. Serial No. 546,829, Jan. 4. Class 6.

Dunning, Carroll H., Los Angeles, Calif. Still film strip projector. Serial No. 504,826, Jan. 4. Class 26.

Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers, rubber bands, lead pencils, etc. Serial No. 544,555, Jan. 4. Class 37.

Ethington Mfg. Corp., Venice, Calif. Sound equipment. Serial Nos. 544,339–40, Jan. 4. Class 21.

Everfast Fabrics, Inc., New York, N. Y. Cotton piece goods. Serial No. 552,962, Jan. 4. Class 42.

Finn, Jerry, Engineers, St. Paul, Minn. Power type gas burners. Serial No. 540,429, Jan. 4. Class 34.

Franklin County Coal Corporation, Chicago, Ill. Bituminous coal. Serial No. 539,000, Jan. 4. Class 1.

Fruitvale Canning Company, Oakland, Calif. Canned fruits. Serial No. 540,660, Jan. 4. Class 46.

Fuller Brush Company, The, Hartford, Conn. Combs. Serial No. 543,435, Jan. 4. Class 40.
Fuller, D. B., & Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 540,013, Jan. 4. Class 42.
Gallup, George H., Princeton, N. J. Magazine. Serial No. 537,445, Jan. 4. Class 38.
Garberding, Waldo L., doing business as Twentieth Century Manufacturing Co., Chicago, Ill. Reamers. Serial No. 493,265, Jan. 4. Class 23.
Gaylord-Shelton Inc., Chicago, Ill. Permanent waving machines, heaters for use in connection therewith, curlers, etc. Serial No. 528,715, Jan. 4. Class 44.
Germain Seed and Plant Company, Los Angeles, Calif. Flower seed, vegetable seed, grass seed, etc. Serial No. 526,712, Jan. 4. Class 1.
Glostex Products, Inc., Chicago, Ill. Automobile seat covers. Serial No. 511,466, Jan. 4. Class 19.
Gould & Lending, Inc., Los Angeles, Calif. Luggage consisting of handbags, suit cases, pocketbooks, etc. Serial No. 536,687, Jan. 4. Class 3.
Gradiaz, Annis, & Co., Inc., Tampa, Fla. Cigars. Serial No. 552,310, Jan. 4. Class 17.
Grumbacher, M., Inc., New York, N. Y. Artists' brushes. Serial No. 544,084, Jan. 4. Class 29.
Grumbacher, M., Inc., New York, N. Y. Artists' brushes. Serial No. 546,292, Jan. 4. Class 29.
Guerrera, Filomena, Ellwood City, Pa. Nonalcoholic, maltless beverages. Serial No. 542,826, Jan. 4. Class 45.
Gutmann, Carl, & Co., Inc., New York, N. Y. Misses', girls' and boys' polo shirts and sweaters. Serial No. 506,238, Jan. 4. Class 39.
Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. Serial No. 516,836, Jan. 4. Class 6.
Haefeli, Max, Basel, Switzerland. Dentifrices, denture powders, dental plate securing preparations, etc. Serial No. 516,838, Jan. 4. Class 6.
Harmon, Arthur R., Hatfield, Pa. Row boats, motor boats, sail boats, etc. Serial No. 523,263, Jan. 4. Class 19.
Hartman Company, Racine, Wis. Trunks, hand luggage cases, shoe cases, etc. Serial No. 542,761, Jan. 4. Class 3.
Hawk & Buck Co., The, Fort Worth, Tex. Work clothing. Serial No. 510,081, Jan. 4. Class 39.
Heiman, Arthur S., Inc., New York, N. Y. Rayon piece goods. Serial No. 518,675, Jan. 4. Class 42.
Honolulu Star-Bulletin, Ltd., Honolulu, Territory of Hawaii. Newspaper. Serial No. 542,831, Jan. 4. Class 38.
House Beautiful Curtains, Inc., New York, N. Y. Window curtains, drapes, bedspreads, etc. Serial Nos. 551,274–5, Jan. 4. Class 42.
Household Automatic Heat, Inc., New York, N. Y. Oil burners for domestic and industrial heating purposes. Serial No. 517,307, Jan. 4. Class 34.
Hull Fish Meal & Oil Co. Ltd., Hull, England. Preparation for use as a coating or resist to protect photoengraving plates from the corrosion of acids or action of other chemical agent. Serial No. 514,040, Jan. 4. Class 6.
Hygena Company, Atlanta, Ga. Douch powder. Serial No. 555,179, Jan. 4. Class 6.
Ingraham, E., Company, The, Bristol, Conn. Clocks. Serial No. 549,442, Jan. 4. Class 27.
Ingraham, E., Company, The, Bristol, Conn. Clocks and watches. Serial No. 549,622, Jan. 4. Class 27.
Keuffel & Esser Company, Hoboken, N. J. Drawing ink. Serial No. 525,871, Jan. 4. Class 11.
Keuffel & Esser Company, Hoboken, N. J. Drawing ink. Serial No. 525,874, Jan. 4. Class 11.
Kirsten Pipe Company, Seattle, Wash. Tobacco pipes and cigarette holders. Serial No. 506,108, Jan. 4. Class 8.
Koenig, Harry D., doing business as Anre, New York, N. Y. Face and hand cream. Serial No. 521,076, Jan. 4. Class 6.
Koller & Smith Co., Inc., New York, N. Y. Filing supplies. Serial No. 520,631, Jan. 4. Class 37.
Kuhn, Blum & Co., Inc., Philadelphia, Pa. Window curtains, bedspreads, pillow shams, etc. Serial No. 544,883, Jan. 4. Class 42.
Kuonl, Werner P., Long Island City, N. Y. Baby carriages, baby strollers. Serial No. 547,736, Jan. 4. Class 19.
Kurfees, J. F., Paint Company, Louisville, Ky. Paints in paste form. Serial No. 535,564, Jan. 4. Class 16.
Lactona Incorporated, St. Paul, Minn. Hair brushes. Serial Nos. 542,595–6, Jan. 4. Class 29.
La Habra Citrus Ass'n.: *See*—
La Habra Citrus Association, The.
La Habra Citrus Association, The, doing business as La Habra Citrus Ass'n., La Habra, Calif. Fresh citrus fruits. Serial No. 539,882, Jan. 4. Class 46.
Lambert, Theodore N., doing business as Barred Arrow Products, Woonsocket, R. I. Preparation for the treatment of piles and a preparation for the prevention of runs in women's stockings. Serial No. 557,532, Jan. 4. Class 6.
Lane Publishing Co., San Francisco, Calif. Magazine column. Serial No. 554,987, Jan. 4. Class 38.
Lawrence, W. W., & Company, Pittsburgh, Pa. Ready-mixed paints and paint enamels. Serial No. 538,777, Jan. 4. Class 16.
Lehigh Navigation Coal Company Incorporated, Philadelphia and Lansford, Pa. Coal. Serial No. 539,180, Jan. 4. Class 1.
Liberty Products Mfg. Co., Inc.: *See*—
Climax Industries, Inc.
Lincoln Engineering Company, St. Louis, Mo. Stationary lubricant-dispensing apparatus. Serial Nos. 505,505–6, Jan. 4. Class 23.
Looping, S. A. Corcelles Neuchatel, Switzerland. Alarm clocks, desk clocks, traveling alarm clocks and watches. Serial No. 550,051, Jan. 4. Class 27.
Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 525,631, Jan. 4. Class 17.
Lor-Mansa, Incorporated, Clear Lake Highlands, Calif. Sunburn lotion and lotion for oak and ivy poisoning. Serial No. 559,160, Jan. 4. Class 6.
Magic Corset Company, Inc., New York, N. Y. Foundation garments, girdles, and corsets. Serial No. 546,857, Jan. 4. Class 39.
Malleable Iron Fittings Company, Branford, Conn. Oil burners, and oil-burning and coal-burning, furnaces. Serial No. 483,434, Jan. 4. Class 34.
Marshall Field & Company, Chicago, Ill. Textile rugs. Serial No. 551,883, Jan. 4. Class 42.
May, C. Arthur, doing business as Cam Manufacturing Co., Lakewood, R. I. Holding devices. Serial No. 482,998, Jan. 4. Class 24.
Mayfair Record & Recording Corporation, New York, N. Y. Mechanically grooved phonograph records. Serial No. 544,583, Jan. 4. Class 36.
McDermott, Flo. B., doing business as The McMott Co., Portland, Oreg. Hygenic powder. Serial No. 533,488, Jan. 4. Class 6.
McMott Co.: *See*—
McDermott, Flo. B.
Mcmath, John N., Co., doing business as Lloyd Sargent Co., New Rochelle, N. Y. Soaps, and saponaceous detergent bubble, bath compounds. Serial No. 561,758, Jan. 4. Class 4.
Meyer Jewelry Company, Kansas City, Mo. Watches. Serial No. 555,423, Jan. 4. Class 27.
Miner-Hillard Milling Co., Wilkes-Barre, Pa. Cereal product used for the manufacture of beer and ale. Serial No. 535,581, Jan. 4. Class 48.
Moen & Patton, Inc., Lancaster, Pa. Toy golf games. Serial No. 546,310, Jan. 4. Class 22.
Monsanto Chemical Company, Seattle, Wash. Sising for paper and textiles. Serial No. 547,863, Jan. 4. Class 6.
Montgomery, Wm., Company, Philadelphia, Pa. Ammonia and bleach. Serial No. 533,040, Jan. 4. Class 6.
Morey Mercantile Company, The, Denver, Colo. Soda-fountain syrups. Serial No. 542,044, Jan. 4. Class 45.
Morten Milling Company: *See*—
Tex-O-Kan Flour Mills Co.
National Blank Book Company, Riverside, Holyoke, Mass. Loose leaf binders. Serial No. 546,013, Jan. 4. Class 37.
National Silver Company, New York, N. Y. Sterling silver and silver plated flatware, hollow ware and tableware. Serial No. 549,566, Jan. 4. Class 28.
National Starch Products Inc., New York, N. Y. Adhesives in the form of cements, liquid glues, flexible glues, paste, etc. Serial No. 528,637, Jan. 4. Class 5.
Newport Finishing Corporation, Fall River, Mass. Rayon fabric in the piece. Serial No. 554,507, Jan. 4. Class 42.
Newport Industries, Inc., Pensacola, Fla. Natural mixture of monocyclic terpene hydrocarbons. Serial No. 520,967, Jan. 4. Class 16.
New York Rubber Corporation, New York, N. Y. Inflatable boats and inflatable floats. Serial Nos. 524,714–15, Jan. 4. Class 19.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. Serial No. 554,588, Jan. 4. Class 38.
Ohio Fruit Products Co., Inc., Cleveland, Ohio, and North East, Pa. Bottled cherries. Serial No. 528,580, Jan. 4. Class 46.
Ohio Leather Company, The, Girard, Ohio. Leather. Serial No. 541,021, Jan. 4. Class 1.
Ohio State Journal Company, The, Columbus, Ohio. Series of cartoons. Serial No. 555,191, Jan. 4. Class 38.
Orange Teaco Company, Atlanta, Ga. Nonalcoholic maltless beverages. Serial No. 532,483, Jan. 4. Class 45.
Pan-American Distributing Co.: *See*—
Sulkes, Mark M.
Parfums Schiaparelli, Inc., New York, N. Y. Perfumes. Serial No. 549,748, Jan. 4. Class 6.
Patterson-Sargent Company, The, Cleveland, Ohio. Dry and ready mixed paints, paint enamels, wood or metal stains, etc. Serial No. 521,611, Jan. 4. Class 16.
Polar Ware Company, Sheboygan, Wis. Enamel ware. Serial No. 535,071, Jan. 4. Class 13.
Pope, Fred W., and T. W. Byrant, Lakeland, Fla. Fresh oranges. Serial No. 534,338, Jan. 4. Class 46.
Premier Mill Corporation, Geneva, N. Y. Colloid mills, homogenisers, grinders, etc. Serial No. 486,810, Jan. 4. Class 23.
Puerto Rico Distilling Company, Arecibo, P. R. Toilet lotion. Serial No. 535,622, Jan. 4. Class 6.
Quality Park Envelope Company, St. Paul, Minn. Mailing envelopes. Serial No. 549,334, Jan. 4. Class 37.

Radio Corporation of America, New York, N. Y. Electron tubes. Serial No. 543,522, Jan. 4. Class 21.
Rainwear Tuscony Fabrics, Inc., New York, N. Y. Plastic film. Serial No. 544,463, Jan. 4. Class 42.
Renneker, H. H., San Diego, Calif. Telephone shoulder cradles. Serial No. 544,192, Jan. 4. Class 21.
Robbinette Company, Portland, Oreg. Safety straps for young children. Serial No. 520,308, Jan. 4. Class 40.
Robertshaw-Fulton Controls Company, Youngwood, Pa. Thermostats, thermostatic temperature regulators, thermostatic water mixers, etc. Serial No. 545,895, Jan. 4. Class 26.
Robins, A. H., Company, Inc., Richmond, Va. Antirheumatic preparation in tablet form. Serial No. 566,806, Jan. 4. Class 6.
Rockwell Manufacturing Company, Pittsburgh, Pa. Electric motors, electric welders and parts thereof. Serial No. 542,659, Jan. 4. Class 21.
Royce Chemical Company, Carlton Hill, N. J. Chemicals adapted for the dyeing, bleaching, finishing, and treatment of textile fibres and fabrics, etc. Serial No. 543,994, Jan. 4. Class 6.
Rutlee Chemical Company, Inc., Perth Amboy, N. J., and Washington, D. C. Surgical lubricant. Serial No. 506,349, Jan. 4. Class 6.
S. & G. Rubber Company, Inc., New York, N. Y. Combs. Serial No. 544,394, Jan. 4. Class 40.
Salem Oil & Grease Co., Salem, Mass. Soluble and emulsified oils. Serial No. 549,668, Jan. 4. Class 4.
Sanders, Everett T., doing business as Thomas Manufacturing Co., Los Angeles, Calif. Water softening and conditioning apparatus. Serial Nos. 542,882–3, Jan. 4. Class 31.
San-Nap-Pak Manufacturing Co., Inc., New York, N. Y. Cleaning tissues. Serial No. 544,201, Jan. 4. Class 37.
San-Nap-Pak Manufacturing Co., Inc., New York, N. Y. Bathroom tissues. Serial No. 544,202, Jan. 4. Class 37.
Sargent, Lloyd, Co.: *See*—
McMath, John N., Co.
Sears, Roebuck and Co., Chicago, Ill. Electric and non-electric clocks. Serial No. 549,580, Jan. 4. Class 27.
Selig Company, Inc., The, Atlanta, Ga. Cleanser and deodorant. Serial No. 561,346, Jan. 4. Class 4.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial, antiseptic, analgesic preparation. Serial No. 521,999, Jan. 4. Class 6.
Shastamatic Manufacturing Corp., Los Angeles, Calif. Water softening and conditioning equipment. Serial No. 542,359, Jan. 4. Class 31.
Shelbar Fabrics Corporation, New York, N. Y. Fabrics made of rayon, and of rayon and cotton. Serial No. 553,220, Jan. 4. Class 42.
Singer Manufacturing Company, The, Elizabeth, N. J. Lubricating oil and greases. Serial No. 496,670, Jan. 4. Class 15.
Societe Chapeaux Mossant, Bourg-de-Peage (Drome), France. Ladies' hats. Serial No. 537,472, Jan. 4. Class 39.
Solar Corporation, Milwaukee, Wis. Electric storage batteries. Serial No. 543,756, Jan. 4. Class 21.
Sorg Paper Company, The, Middletown, Ohio. Printing paper, writing paper, tag paper, etc. Serial No. 525,966, Jan. 4. Class 37.
Stampateria, Summit, N. J., assignor to Marguerite Thompson, Newark, N. J. Used and unused postage stamps for collectors. Serial No. 530,777, Jan. 4. Class 38.
Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 534,933, Jan. 4. Class 45.
Standard Products Corporation, New York, N. Y. Tissue in sheet form for carbonizing, cigarette tissue, airmail writing paper tissue. Serial No. 507,494, Jan. 4. Class 37.
Startex Mills, Tucapau, S. C. Crash goods in the piece, towels and toweling. Serial No. 492,866, Jan. 4. Class 42.
Stearns & Foster Company, The, Cincinnati, Ohio. Cotton-batting. Serial No. 549,378, Jan. 4. Class 1.
Sterling Packing & Gasket Co., Houston, Tex. Metallic gaskets. Serial No. 536,727, Jan. 4. Class 35.
Sterling Packing & Gasket Co., Houston, Tex. Flexible gaskets and gasket material in sheet form. Serial Nos. 536,729–30, Jan. 4. Class 35.
Sterling Packing & Gasket Co., Houston, Tex. Metal gaskets. Serial No. 536,731, Jan. 4. Class 35.
Straub, Paul A., & Co. Inc., New York, N. Y. Glassware. Serial No. 514,442, Jan. 4. Class 33.
Strauss, Bertram A., doing business as Columbia Pencil Company, New York, N. Y. Mechanical pencils. Serial No. 510,738, Jan. 4. Class 37.
Street & Smith Publications, Inc., New York, N. Y. Magazine. Serial No. 521,220, Jan. 4. Class 38.
Stuart Company, The, Pasadena, Calif. Vitamin concentrates. Serial No. 540,337, Jan. 4. Class 6.
Sulkes, Mark M., doing business as Pan-American Distributing Co., New York, N. Y. Capillary tube perfume applicators. Serial No. 535,359, Jan. 4. Class 2.
Supervision Publishing Company, Inc., New York, N. Y. Section in a monthly magazine. Serial No. 543,844, Jan. 4. Class 38.
Temple Topics, Chicago, Ill. Magazine. Serial No. 551,339, Jan. 4. Class 38.
Tennessean Newspapers, Inc., Nashville, Tenn. Daily newspaper. Serial No. 506,067, Jan. 4. Class 38.
Tex-O-Kan Flour Mills Co., doing business as Morten Milling Company, Dallas, Tex. Wheat flour. Serial No. 566,258, Jan. 4. Class 46.
Thomas Manufacturing Co.: *See*—
Sanders, Everett T.
Thompson, Marguerite: *See*—
Stampateria.
Torrington Company, The, Torrington, Conn. Spokes and nipples for wheels of cycle vehicles, etc. Serial No. 546,071, Jan. 4. Class 19.
Twentieth Century Manufacturing Co.: *See*—
Garberding, Waldo L.
Underwood Corporation, New York, N. Y. Multiple-key-operated computing machines. Serial No. 537,953, Jan. 4. Class 26.
United States Rubber Company, New York, N. Y. Built-in seat cushions. Serial No. 548,200, Jan. 4. Class 19.
Universal Dental Company, Philadelphia, Pa. Artificial teeth. Serial No. 553,034, Jan. 4. Class 44.
Valentine, J. W., Co., Inc., New York, N. Y. Vinyl coated rayon piece goods. Serial No. 509,381, Jan. 4. Class 42.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,510, Jan. 4. Class 37.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,573, Jan. 4. Class 37.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,854, Jan. 4. Class 37.
Victory Hat Block Company, New York, N. Y. Hat blocking machine. Serial No. 529,116, Jan. 4. Class 23.
Visco Brothers, Philadelphia, Pa. Polishing powder. Serial No. 502,545, Jan. 4. Class 4.
Vol Crepe Limited, Glossop, England. Felted textile fabric for use as a linoleum or other similar type covering for floors. Serial No. 516,880, Jan. 4. Class 20.
Warren, W., Thread Works, Inc., Westfield, Mass. Spool cotton. Serial No. 553,441, Jan. 4. Class 43.
Weyand, B. T., doing business as Weyand & Co., Seattle, Wash. Canned fish. Serial No. 531,557, Jan. 4. Class 46.
Weyand & Co.: *See*—
Weyand, B. T.
Whitehead & Kales Company, Detroit, Mich. Trailers. Serial No. 540,003, Jan. 4. Class 19.
Whitehead & Kales Company, Detroit, Mich. Dollies. Serial No. 540,004, Jan. 4. Class 19.
Whitehead Stamping Company, Detroit, Mich. Rear-view automobile mirrors. Serial No. 539,249, Jan. 4. Class 19.
Whitworth, Henry C., doing business as Whitworth Supply, Scott City, Kans. Cattle chutes of the transportable variety. Serial No. 517,539, Jan. 4. Class 28.
Whitworth Supply: *See*—
Whitworth, Henry C.
Witt Cleaner Co.: *See*—
Witt, Herbert L.
Witt, Herbert L., doing business as Witt Cleaner Co., Jacksonville, Fla. Cleaning composition for use in cleaning windows, wind-shields, mirrors, etc. Serial No. 561,603, Jan. 4. Class 4.
Wortendyke Manufacturing Company, Richmond, Va. Toilet paper tissue. Serial No. 540,131, Jan. 4. Class 37.
Wren, Wm., Limited, Bushey, Watford, England. Boot and shoe polishes. Serial No. 510,821, Jan. 4. Class 4.
Wyeth Incorporated, Philadelphia, Pa. Hyaluronidase in injectible form. Serial No. 550,001, Jan. 4. Class 6.
Young Broom Co., Inc., West Springfield, Mass. Brooms. Serial No. 547,884, Jan. 4. Class 29.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: *See*—
Swan-Myers Company.
Abril Corporation (Gt. Britain) Limited, London, England. Liquid, semi-liquid, or solid non-drying adhesives. 441,769, Jan. 4; Serial No. 510,224, published Aug. 31, 1948. Class 5.
Acco Products, Inc.: *See*—
Kline, Fred J.
Acco Products, Inc., Ogdensburg, N. Y. Filing device, and filing cabinets therefor. 285,397, July 28, 1931. Republished Jan. 4. Class 32.
Acetogen Associates, Inc., Detroit, Mich. Highly refined gas used in the industrial arts. 423,786, Sept. 10, 1946. Republished Jan. 4. Class 6.
Affiliated Retailers, Inc., New York, N. Y. Vacuum bottles and lunch boxes. 441,791, Jan. 4; Serial No. 520,078, published Sept. 28, 1948. Class 2.

Airite Mfg. Co.: *See*—
Thrasn, William B.

Albany Packing Co., Inc., West Albany, N. Y., by Tobin Packing Co., Inc., Rochester, N. Y. Cured, and smoked pork. 243,316, June 19, 1928. Republished Jan. 4. Class 46.

Aldrich Pump Company, The, Allentown, Pa. Porcelain pump plungers. 236,075, Dec. 6, 1927. Republished Jan. 4. Class 28.

Allen, J. Roy, doing business as Chasers Co., by Chasers, Inc., New York, N. Y. Preparation for neutralising and overcoming alcoholic and similar breath odors. 330,335, Nov. 26, 1935. Republished Jan. 4. Class 6.

Allied Chemical & Dye Corporation: *See*—
Solvay Process Company, The.

Alpha Chemical Company, by Alpha Chemical Company, Inc., Baltimore, Md. Liquid cleaning compound. 223,284, Jan. 25, 1927. Republished Jan. 4. Class 4.

Alpha Chemical Company, Inc.: *See*—
Alpha Chemical Company.

Alwin Manufacturing Company, Charlotte, N. C. Corner cupboards, kitchen cabinets, kitchen tables, and record cabinets. 505,537, Jan. 4; Serial No. 523,504. Class 32.

Amea Oil Co., Brooklyn, N. Y. Edible oil composed of peanut and olive oil. 441,781, Jan. 4; Serial No. 514,877, published Sept. 21, 1948. Class 46.

American Cyanamid Company: *See*—
Wetterwald & Pfister Company, Inc.

American Excelsior Corporation: *See*—
Excelsior Wrapper Company.
Selle, H. W., & Co.

American Manufacturing Company, Boston, Mass., and Brooklyn, N. Y. Oakum. 505,580, Jan. 4; Serial No. 528,848, published Sept. 28, 1948. Class 1.

American Photo-Engravers Association, Chicago, Ill. Monthly publication. 227,873, May 17, 1927. Republished Jan. 4. Class 38.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton and thread. 72,856, re-renewed Mar. 2, 1949. O. G. Jan. 4. Class 43.

American Varnish Company, The, Chicago, Ill. Varnishes; ready-mixed, dry, and paste paints; oil and varnish stains; etc. 505,331, Jan. 4; Serial No. 499,461, published Sept. 14, 1948. Class 16.

American Vulcanised Fibre Co., by National Vulcanised Fibre Co., Wilmington, Del. Waste-baskets. 111,160, July 4, 1916. Republished Jan. 4. Class 2.

Ames Company, Inc.: *See*—
Effervescent Products, Inc.
Menley & James, Limited.
Miles, Dr., Medical Company.

Ames Company, Inc., Elkhart, Ind. Effervescent tablets. 413,584, May 1, 1945. Republished Jan. 4. Class 6.

Ames Company, Inc., Elkhart, Ind. Reagent tablet. 421,386, May 28, 1946. Republished Jan. 4. Class 6.

Amsterdam Broom Co., Amsterdam, N. Y. Brooms. 251,595, renewed Jan. 8, 1949. O. G. Jan. 4. Class 29.

Anabolic Food Products, Inc., Glendale, Calif. Medicinal preparations. 505,335, Jan. 4; Serial No. 509,489, published Aug. 31, 1948. Class 6.

Anabolic Food Products, Inc., Glendale, Calif. Vitamin and mineral preparations. 505,343, Jan. 4; Serial No. 515,526, published Aug. 31, 1948. Class 6.

Anaheim Citrus Fruit Association, Anaheim, Calif. Oranges. 118,136, Aug. 21, 1917. Republished Jan. 4. Class 46.

Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 146,679, Sept. 20, 1921. Republished Jan. 4. Class 46.

Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 152,662, Mar. 7, 1922. Republished Jan. 4. Class 46.

Anco Corporation, Pittsburgh, Pa. Sash cord, clothes-line, and rope. 505,481, Jan. 4; Serial No. 546,940, published Sept. 21, 1948. Class 7.

Anderson Box Company, Indianapolis, Ind. Chick boxes for shipping. 232,265, Sept. 6, 1927. Republished Jan. 4. Class 2.

Anderson Brothers Co. Inc., Jersey City, N. J. Glue. 194,814, Feb. 10, 1925. Republished Jan. 4. Class 5.

Ansul Chemical Company, Marinette, Wis. Portable hand and wheel-mounted fire extinguishing equipment. 441,751, Jan. 4; Serial No. 498,195, published Sept. 21, 1948. Class 23.

Ansul Chemical Company, Marinette, Wisconsin. Fire-extinguishing nozzle. 505,520, Jan. 4; Serial No. 507,707. Class 13.

Argus, Incorporated: *See*—
International Industries, Inc.

Aristocrat Leather Products, Inc., New York, N. Y. Compact and vanity cases. 505,411, Jan. 4; Serial No. 534,973, published Sept. 28, 1948. Class 2.

Arms Textile Manufacturing Co., Manchester, N. H., and New York, N. Y. Interlining fabrics in the piece. 441,752, Jan. 4; Serial No. 498,479, published Sept. 14, 1948. Class 42.

Arvey Corporation, Chicago, Ill. Laminating or affixing to a paper or textile base a plastic film. 505,510, Jan. 4; Serial No. 529,342, published Sept. 28, 1948. Class 55.

Associations Publishing Company: *See*—
Hills, E. A.

Atlantic Mills, Providence, R. I., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen piece goods. 128,180, Dec. 23, 1919. Republished Jan. 4. Class 42.

Atlas Key Co., by National Key Shops, Inc., doing business as W. L. Gray & Company, Cleveland, Ohio. Key blanks. 350,051, Sept. 14, 1937. Republished Jan. 4. Class 25.

Atlas Powder Company, Wilmington, Del. Lacquers; varnishes; paint enamels, etc. 505,341, Jan. 4; Serial No. 514,930, published Sept. 14, 1948. Class 16.

Automatic Gold Chain Company: *See*—
Speidel, Edwin F. M.

Autopulse Corporation: *See*—
Ireland & Matthews Manufacturing Company, The.

Avon Products, Inc., New York, N. Y. Cosmetic sets. 434,678, Dec. 2, 1947. Republished Jan. 4. Class 6.

Avon Products, Inc., New York, N. Y. Men's toiletries. 434,690, Dec. 2, 1947. Republished Jan. 4. Class 6.

Ayerst, McKenna & Harrison Limited, Rouses Point and New York, N. Y. Multiple vitamin preparations. 505,496, Jan. 4; Serial No. 550,574, published Sept. 28, 1948. Class 6.

Babbitt, B. T., Inc., New York, N. Y. Lye. 505,387, Jan. 4; Serial No. 529,863, published Sept. 21, 1948. Class 6.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Piece goods. 505,384, Jan. 4; Serial No. 529,344, published Sept. 14, 1948. Class 42.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Piece goods. 505,385, Jan. 4; Serial No. 529,346, published Sept. 14, 1948. Class 42.

Barber, A. H., & Company, Chicago, Ill., to The Borden Company, New York, N. Y. Cheese. 253,305, renewed Feb. 26, 1949. O. G. Jan. 4. Class 46.

Barbour Stockwell Company, Cambridge, Mass. Power-hammers and trip-hammers. 294,166–8, May 17, 1932. Republished Jan. 4. Class 23.

Barcalo Manufacturing Company, Buffalo, N. Y. Bed springs, mattresses, couches, cots, pillows and cushions, etc. 400,532, Mar. 16, 1943. Republished Jan. 4. Class 32.

Barcalo Manufacturing Company, Buffalo, N. Y. Wrenches and pliers. 403,467, Sept. 28, 1943. Republished Jan. 4. Class 23.

Barret Textile Corporation, New York, N. Y. Plastic coated textile fabrics of cotton, wool, silk, etc. 441,788, Jan. 4; Serial No. 517,397, published Sept. 14, 1948. Class 42.

Bastian-Morley Co., also doing business as Gas and Electric Heater Co., to Bastian-Morley Co. Inc., La Porte, Ind. Electric water heaters. 248,676, renewed Oct. 30, 1948. O. G. Jan. 4. Class 21.

Bastian-Morley Co. Inc.: *See*—
Bastian-Morley Co.

Bauermeister, Chas, W., Co., Inc., Terre Haute, Ind. Spices, mince meat, rice, etc. 84,810, Jan. 9, 1912. Republished Jan. 4. Class 46.

Bauermeister, Chas, W., Co., Inc., Terre Haute, Ind. Olives, allspice, savory, etc. 171,313, Aug. 7, 1923. Republished Jan. 4. Class 46.

Bay Company, The, Bridgeport, Conn., to Parke, Davis & Company, Detroit, Mich. Adhesive plaster. 242,369, renewed May 22, 1948. O. G. Jan. 4. Class 44.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Fabrics of rayon and dress and garment lengths of this fabric. 241,327, Apr. 24, 1928. Republished Jan. 4. Class 42.

Beaver Pipe Tools, Inc., Warren, Ohio. Pipe working machines, threading machines, reaming machines, etc. 505,329, Jan. 4; Serial No. 492,303, published Sept. 21, 1948. Class 23.

Beesemyer-Waggoner, Inc., Los Angeles, by Norman L. Waggoner, Inc., San Francisco, Calif. Canned fruits and vegetables. 179,068, Feb. 5, 1924. Republished Jan. 4. Class 46.

Beesemyer-Waggoner, Inc., Los Angeles, by Norman L. Waggoner, Inc., San Francisco, Calif. Canned fruits and vegetables. 180,531, Mar. 4, 1924. Republished Jan. 4. Class 46.

Bell & Howell Company, Chicago, Ill. Motion picture cameras and motion picture film printers. 129,124, Jan. 27, 1920. Republished Jan. 4. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture film perforators, motion picture film perforator exhausters, etc. 130,637, May 4, 1920. Republished Jan. 4. Classes 23 and 26.

Bell & Howell Company, Chicago, Ill. Motion picture cameras. 193,964, Jan. 13, 1925. Republished Jan. 4. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture cameras. 255,084, Apr. 16, 1929. Republished Jan. 4. Class 26.

Bell & Howell Company, Chicago, Ill. Motion picture projectors and cameras. 256,743, May 21, 1929. Republished Jan. 4. Class 26.

Bell & Howell Company, Chicago, Ill. Cleaning fluid. 505,386, Jan. 4; Serial No. 529,550, published Sept. 28, 1948. Class 4.

Bellsey, Dave, Company, Inc., New York, N. Y. Ladies' coats, suits, and blouses. 343,278, Feb. 16, 1937. Republished Jan. 4. Class 39.

Bemis Bro. Bag Company, St. Louis, Mo. Sewing thread. 505,361, Jan. 4; Serial No. 526,887, published Aug. 17, 1948. Class 43.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan, etc. 505,507, Jan. 4; Serial No. 527,266, published Sept. 28, 1948. Class 55.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, etc. 505,508, Jan. 4; Serial No. 527,276, published Sept. 21, 1948. Class 55.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 505,418, Jan. 4; Serial No. 536,490, published Sept. 14, 1948. Class 42.

Bensdorp, N. V.: *See*—
Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co.

Bering, Conrad, doing business as Conrad Bering Company, Houston, Tex. Outer shirts, pajamas, shorts, etc. 505,516, Jan. 4; Serial No. 502,260. Class 39.

Bestline Corporation, The, Lacey, Wash. Plywood and plywood blocks for strip flooring. 505,554, Jan. 4; Serial No. 544,031. Class 12.

Bexatol Vitamin Products: *See*—
Carbonaro, Frank.

Biedermann Bros., by Biedermann Brothers, Inc., Chicago, Ill. Coffee. 85,224, Feb. 6, 1912. Republished Jan. 4. Class 46.

Biedermann Brothers, Inc.: *See*—
Biedermann Bros.

Biedermann Brothers, Inc., by Biedermann Brothers, Inc. (1939), Chicago, Ill. Coffee. 301,011, Feb. 14, 1933. Republished Jan. 4. Class 46.

Biedermann Brothers, Inc. (1939): *See*—
Biedermann Brothers, Inc.

Binney & Smith Company, New York, N. Y. Crayons. 441,777, Jan. 4; Serial No. 513,020, published Aug. 17, 1948. Class 37.

Black Manufacturing Co., The, Seattle, Wash. Workingmen's water repellent and heavy wool jackets, waterproof overalls, work pants and shirts. 505,541, Jan. 4; Serial No. 531,429. Class 39.

Blumenstein, Ross & Lents, New York, N. Y. Ladies' suits, dresses and blouses. 505,474, Jan. 4; Serial No. 545,223, published Sept. 7, 1948. Class 39.

Bob-O-Link, Inc., New York, N. Y. Curtains, and drapes of rayon, cotton, silk, etc. 505,344, Jan. 4; Serial No. 516,660, published Sept. 14, 1948. Class 42.

Bobrich Manufacturing Corp., New York, N. Y. Men's outdoor wear. 441,811, Jan. 4; Serial No. 486,456. Class 39.

Boileom Canal Lumber Co., by Steigleder, W. A., doing business as Speed Gets 'Em Lumber Company, Seattle, Wash. Lumber. 172,134, Aug. 21, 1923. Republished Jan. 4. Class 12.

Boles, Donald R., doing business as Boles Mfg. Co., Burbank, Calif. House trailers. 505,429, Jan. 4; Serial No. 537,869, published Sept. 14, 1948. Class 19.

Boles Mfg. Co.: *See*—
Boles, Donald R.

Book Agents of the Methodist Episcopal Church, South: *See*—
Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South.

Boone County Coal Corporation, Sharples, W. Va., and Philadelphia, Pa. Bituminous coal. 300,782, Feb. 7, 1933. Republished Jan. 4. Class 1.

Booth Fisheries Corporation: *See*—
Booth Fisheries Sardine Co.
Lubec Sardine Co.

Booth Fisheries Sardine Co., Eastport, Maine, by Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 188,947, Jan. 18, 1921. Republished Jan. 4. Class 46.

Boott Mills, Lowell, Mass. Scrim in the piece. 159,664, Oct. 3, 1922. Republished Jan. 4. Class 42.

Borden Company, The: *See*—
Barber, A. H., & Company.

Borg, George W., The, Corporation: *See*—
Bradley Knitting Company.

Borg-Warner Corporation, Chicago, Ill. Mechanical power transmissions, clutches, fluid wheels for power transmission through fluid means, etc. 505,326, Jan. 4; Serial No. 480,734, published Sept. 21, 1948. Class 23.

Boston Varnish Company, Everett, Mass. Paints and enamels. 129,333, Feb. 17, 1920. Republished Jan. 4. Class 16.

Boston Woven Hose & Rubber Company, Cambridge, Mass. Plastic material. 505,337, Jan. 4; Serial No. 513,385, published Sept. 28, 1948. Class 1.

Botany Mills, Inc.: *See*—
Botany Worsted Mills.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. 505,494, Jan. 4; Serial No. 550,116, published Sept. 14, 1948. Class 42.

Botany Worsted Mills, Passaic, N. J., now by change of name Botany Mills, Inc. Woolen piece goods. 441,773, Jan. 4; Serial No. 511,448, published Sept. 14, 1948. Class 42.

Bound Brook Oil-Less Bearing Company: *See*—
Graphite Lubricating Company.
Graphite Lubricating Company, The.

Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Bearings and bushings. 202,397–8, Aug. 18, 1925. Republished Jan. 4. Class 23.

Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Machinery bearings, bushings, machine parts, etc. 279,698, July 23, 1940. Republished Jan. 4. Class 23.

Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Machinery bearings, bushings, and machine parts. 395,576, June 2, 1942. Republished Jan. 4. Classes 23 and 31.

Boysen, Walter N., Co., Oakland, Calif. Paints, both paste and liquid, varnishes, etc. 441,799, Jan. 4; Serial No. 522,721, published Sept. 14, 1948. Class 16.

Brach, E. J. & Sons, Chicago, Ill. Candy. 240,188, Mar. 20, 1928. Republished Jan. 4. Class 46.

Bradford Belting Co., The, Cincinnati, Ohio, by Graton & Knight Company, Worcester, Mass. Leather belting. 80,700, Jan. 24, 1911. Republished Jan. 4. Class 35.

Bradley Knitting Company, by The George W. Borg Corporation, Delavan, Wis. Sweaters. 235,967, Nov. 29, 1927. Republished Jan. 4. Class 39.

Brno Arms Factory, National Corporation: *See*—
Zbrojovka Brno, Narodni Podnik.

Bromund, E. A. Company, New York, N. Y., by Hood Chemical Co., Inc., Pittsburgh, Pa. Laundry-starch polish. 87,419, July 16, 1912. Republished Jan. 4. Class 6.

Brooke, J. H. & J., Limited, London, England. Wines. 373,562, Dec. 12, 1939. Republished Jan. 4. Class 47.

Brooks Bank Note Company, Springfield, Mass. Bond paper and mailing envelopes. 129,630, Mar. 9, 1920. Republished Jan. 4. Class 37.

Brooks, E. J., Company: *See*—
Brooks, E. J., and Company.

Brooks, E. J., and Company, New York, N. Y., to E. J. Brooks Company, Newark, N. J. Base-metal truck-car and shipping-case seals, etc. 248,550, renewed Oct. 23, 1948. O. G. Jan. 4. Class 25.

Brooks Hosiery Mills, to Brooks Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 245,379, renewed Aug. 14, 1948. O. G. Jan. 4. Class 39.

Brooks Hosiery Mills, to Brooks Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. 246,494, renewed Sept. 11, 1948. O. G. Jan. 4. Class 39.

Brooks Hosiery Mills, Inc.: *See*—
Brooks Hosiery Mills.

Brown & Bigelow, St. Paul, Minn. Billfolds. 505,506, Jan. 4; Serial No. 560,182, published Sept. 21, 1948. Class 3.

Buchheimer Company, The, assignor to Graton & Knight Company, by Graton & Knight Company, Worcester, Mass. Animal equipment. 255,933, Apr. 30, 1929. Republished Jan. 4. Class 3.

Buckeye Glove Co., Toledo, Ohio. Work gloves. 505,548, Jan. 4; Serial No. 535,475. Class 39.

Buettner, T. & Co., Inc., Chicago, Ill. Embroidery patterns, novelty crochet, and festheredge braids etc. 505,425, Jan. 4; Serial No. 537,550, published Sept. 21, 1948. Class 40.

Buettner, T. & Co., Inc., Chicago, Ill. Threads, yarns, and cottons. 505,426, Jan. 4; Serial No. 537,554, published Sept. 21, 1948. Class 43.

Bunn, B. H. Company, Chicago, Ill. Package tying machines. 505,378, Jan. 4; Serial No. 528,689, published Sept. 21, 1948. Class 23.

Burlingham, E. F., & Sons, Forest Grove, Oreg. Grass, field, and vegetable seed. 505,542, Jan. 4; Serial No. 531,842. Class 1.

Burlington Mills Corporation: *See*—
Stirn, L. & E.

Burns, Jabez & Sons, Inc., New York, N. Y. Machines for grinding, cracking, and otherwise treating coffee and chaff. 238,672, Feb. 14, 1928. Republished Jan. 4. Class 23.

Burroughs Adding Machine Company, Detroit, Mich. Inking ribbons. 505,355, Jan. 4; Serial No. 522,976, published Sept. 28, 1948. Class 11.

Burroughs Adding Machine Company, Detroit, Mich. Inking ribbons. 505,356, Jan. 4; Serial No. 523,149, published Sept. 28, 1948. Class 11.

Buxton, Incorporated, Springfield, Mass. Leather pocket wallets and billfolds. 505,461, Jan. 4; Serial No. 543,092, published Sept. 21, 1948. Class 3.

Caar Canning Company, Redkey, Ind. Canned tomatoes, canned tomato puree and canned tomato juice. 353,449, Jan. 11, 1938. Republished Jan. 4. Class 46.

Caar Canning Company, Redkey, Ind. Canned tomatoes, canned tomato puree, canned juice, etc. 426,785, Jan. 14, 1947. Republished Jan. 4. Class 46.

Cable Electric Products, Inc., Brooklyn, N. Y. Electric plug fuses. 505,555, Jan. 4; Serial No. 546,756. Class 21.

Cabot, Godfrey L., Inc., Boston, Mass. Carbon black for use in the manufacture of ink. 505,440, Jan. 4; Serial No. 540,167, published Sept. 28, 1948. Class 11.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 300,953–5, Feb. 14, 1933. Republished Jan. 4. Class 46.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 301,064, Feb. 14, 1933. Republished Jan. 4. Class 46.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 347,401, June 22, 1937. Republished Jan. 4. Class 46.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 354,007, Jan. 25, 1938. Republished Jan. 4. Class 46.

Camarillo Citrus Association, Camarillo, Calif. Fresh citrus fruits. 417,647, Nov. 6, 1945. Republished Jan. 4. Class 46.

Cambridge Paper Box Company, Cambridge, Mass. Tubular dispensing containers. 505,345, Jan. 4; Serial No. 517,552, published Sept. 28, 1948. Class 2.

Canuet Freres, Paris, France. Beads and metal spangles, in the nature of trimmings. 441,793, Jan. 4; Serial No. 520,263, published Sept. 21, 1948. Class 40.

Carbonaro, Frank, doing business as Bexatol Vitamin Products, Auburn, N. Y. Pharmaceutical preparation. 505,445, Jan. 4; Serial No. 540,382, published Sept. 7, 1948. Class 6.

Caris Company, The, Brooklyn, N. Y. Bags. 505,347, Jan. 4; Serial No. 519,170, published Sept. 28, 1948. Class 2.

Carlson, Caroline, Los Angeles, Calif. Women's dresses. 505,534, Jan. 4; Serial No. 520,612. Class 39.

Carpinteria Mutual Citrus Association. Carpinteria, Calif. Fresh citrus fruits. 250,578, Dec. 11, 1928. Republished Jan. 4. Class 46.

Carson Pirie Scott & Company, to Martin Weiner Corp., Clifton, N. J. Piece goods. 323,126, Apr. 2, 1935. New certificate. O. G. Jan. 4. Class 42.

Carter Dry Goods Company, Incorporated, Louisville, Ky. Tobacco bed covers. 505,352, Jan. 4; Serial No. 521,432, published Sept. 14, 1948. Class 42.

Cat's Paw Rubber Company, Inc., Baltimore, Md. Rubber cement. 505,442, Jan. 4; Serial No. 540,247, published Sept. 21, 1948. Class 5.

Cavanaugh Dresses Inc., New York, N. Y. Ladies', misses' and junior misses' dresses. 505,529, Jan. 4; Serial No. 515,021. Class 39.

Cavendish Trading Corporation, New York, N. Y. Sport dresses for misses and women. 387,043, Apr. 29, 1941. Republished Jan. 4. Class 39.

Cavendish Trading Corporation, New York, N. Y. Handbags, wallets, portfolios, etc. 412,733–4, Mar. 20, 1945. Republished Jan. 4. Class 3.

Cavendish Trading Corporation, New York, N. Y. Roller skates, golf clubs, golf balls, fishing lines, etc. 412,736, Mar. 20, 1945. Republished Jan. 4. Class 22.

Cavendish Trading Corporation, New York, N. Y. Playing cards, noise makers, etc. 413,447, Apr. 24, 1945. Republished Jan. 4. Class 22.

Cavendish Trading Corporation, New York, N. Y. Table glassware, glass ovenware, glass vases, etc. 413,524, May 1, 1945. Republished Jan. 4. Class 33.

Cavendish Trading Corporation, New York, N. Y. Mattresses, sofa beds, metal and wooden beds, folding cots, etc. 413,708, May 8, 1945. Republished Jan. 4. Class 32.

Cavendish Trading Corporation, New York, N. Y. Men's and boys' suits, top coats, overcoats, etc. 415,904, Aug. 21, 1945. Republished Jan. 4. Class 39.

Ceco Steel Products Corporation: *See*—
Concrete Engineering Company.

Century Glove Company, Newark, N. J. Gloves. 429,331, Apr. 29, 1947. Republished Jan. 4. Class 39.

Century Ribbon Mills, Inc., New York, N. Y. Ribbons. 505,419, Jan. 4; Serial No. 537,005, published Sept. 14, 1948. Class 42.

Cereal Soaps Company, Inc., New York, N. Y. Combs. 199,534, June 9, 1925. Republished Jan. 4. Class 40.

Champion Textile Finishing Company, Chicago, Ill. Waterproofing, flameproofing, mildew-proofing of woven fabric cloth. 505,513, Jan. 4; Serial No. 537,984, published Sept. 21, 1948. Class 55.

Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Copper and copper alloy welding rods. 399,595, Jan. 19, 1943. Republished Jan. 4. Class 14.

Chasers, Inc.: *See*—
Allen, J. Roy.

Chassaing & Cie., Paris, to Chassaing de Borredon & Cie. (Maison Chassaing), Asnieres (Seine), France. Alimentary preparation for infants and invalids. 68,293, re-renewed Mar. 24, 1948. O. G. Jan. 4. Class 46.

Chassaing de Borredon & Cie. (Maison Chassaing): *See*—
Chassaing & Cie.

Cheever, Tweedy & Co., Inc., North Attleboro, Mass. Jewelry. 319,951, Dec. 11, 1934. Republished Jan. 4. Class 28.

Cheever, Tweedy & Co., Inc., North Attleboro, Mass. Jewelry. 421,522, June 4, 1946. Republished Jan. 4. Class 28.

Chicago Paints, Inc., Chicago, Ill. Ready-mixed paints, wood stains, and paint enamels. 505,431, Jan. 4; Serial No. 538,371, published Sept. 14, 1948. Class 16.

Chipman's, Chas., Sons Co., Inc., by F. W. Woolworth Co., New York, N. Y. Hosiery and bootees for infants, children, and misses. 411,437, Jan. 16, 1945. Republished Jan. 4. Class 39.

Chisholm-Moore Hoist Corporation, Cleveland, Ohio, to Chisholm-Moore Hoist Corporation, Tonawanda, N. Y. Differential hoists. 251,382, renewed Jan. 8, 1940. O. G. Jan. 4. Class 23.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Pharmaceutical preparation. 506,460, Jan. 4; Serial No. 546,760, published Sept. 28, 1948. Class 6.

Cincinnati Oil Works Co., The, Cincinnati, Ohi. Gasoline. 262,469, Oct. 15, 1929. Republished Jan. 4. Class 15.

Cincinnati Tool Company, The, Norwood, Ohio. C-clamps. 505,397, Jan. 4; Serial No. 530,719, published Sept. 21, 1948. Class 23.

Clark-Coleman Coal & Coke Co., by Clark-Coleman Coal & Coke Co., Peoria, Ill. Coal. 215,753, July 27, 1926. Republished Jan. 4. Class 1.

Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Hand manipulable can openers. 505,373, Jan. 4; Serial No. 527,877, published Sept. 7, 1948. Class 23.

Clark, Robert H., Company: *See*—
Clark, Robert H.

Clark Thread Company, The, Wilmington, Del., and Clarkdale, Ga. Thread. 505,404, Jan. 4; Serial No. 533,539, published Sept. 21, 1948. Class 43.

Classique Modes Inc., Chicago, Ill. Ladies' sportswear. 391,839, Nov. 25, 1941. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 39.

Clearwater Finishing Company, Clearwater, S. C. Piece goods. 505,468, Jan. 4; Serial No. 543,420, published Sept. 14, 1948. Class 42.

Cleveland Frog & Crossing Co., Cleveland, Ohio. Mechanical switches and switch stands for railroads. 505,388, Jan. 4; Serial No. 529,963, published Sept. 21, 1948. Class 23.

Cleveland Fruit Juice Company, The, by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio. Rootbeer and the syrup therefor. 136,778, Nov. 9, 1920. Republished Jan. 4. Class 45.

Cleveland Fruit Juice Company (1930), The: *See*—
Cleveland Fruit Juice Company, The.

Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic and germicidal compound. 505,456, Jan. 4; Serial No. 542,285, published Sept. 28, 1948. Class 6.

Coats, J. & P., (R. I.) Inc., Pawtucket, R. I. Rubberized thread. 506,402, Jan. 4; Serial No. 533,144, published Sept. 21, 1948. Class 43.

Cochin, J. D., Manufacturing Co.: *See*—
Cochin, John D.

Cochin, John D., doing business as J. D. Cochin Manufacturing Co., South San Francisco, Calif. Automotive service equipment. 441,785, Jan. 4; Serial No. 517,620, published Sept. 7, 1948. Class 23.

Cohen, P. M. Quas, doing businessing as Cohen & Wilks, by Cohen & Wilks, Limited, Cheetham, Manchester, England. Woolen piece goods. 187,956, Aug. 12, 1924. Republished Jan. 4. Class 42.

Cohen & Wilks, Limited: *See*—
Cohen, P. M. Quas.

Cokesbury Press: *See*—
Lamar & Whitmore, Book Agents Publishing House, M. E. Church, South.

Colonial Cedar Company: *See*—
Putman, Charles E.

Colorado Fuel and Iron Corporation, The, Denver, Colo. Wire, wire rope, and cables. 505,447, Jan. 4; Serial No. 540,982, published Sept. 21, 1948. Class 7.

Colson, Georges R., Paris, France. Wigs of all descriptions, transformations, forelocks, etc. 506,477, Jan. 4; Serial No. 545,716, published Sept. 21, 1948. Class 40.

Columbia Phonograph Company, Inc., to Columbia Records Inc., Bridgeport, Conn. Phonographs or talking machines, parts and accessories therefor. 251,804, renewed Jan. 15, 1940. O. G. Jan. 4. Class 36.

Columbia Records Inc.: *See*—
Columbia Phonograph Company, Inc.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Hand cleaner and hectograph ink remover. 441,786, Jan. 4; Serial No. 519,259, published Sept. 28, 1948. Class 4.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Solution applied to lithographic paper plates. 505,441, Jan. 4; Serial No. 540,176, published Sept. 28, 1948. Class 6.

Columbus Dental Manufacturing Co., The, Columbus, Ohio. Rugae molds. 236,162, Dec. 6, 1927. Republished Jan. 4. Class 44.

Columbus Iron Works Co., doing business as Southern Plow Co. Dept., Columbus, Ga. Heel sweeps for cultivators. 212,735, May 11, 1926. Republished Jan. 4. Class 23.

Columbus Iron Works Co., Columbus, Ga. Plows. 281,717, Mar. 24, 1931. Republished Jan. 4. Class 23.

Columbus Iron Works Company, doing business as Columbus Iron Works Company, Southern Plow Company Department, Columbus, Ga. Fertiliser distributors. 362,981, Dec. 6, 1938. Republished Jan. 4. Class 23.

Columbus Iron Works Company, Southern Plow Company Department: *See*—
Columbus Iron Works Company.

Concrete Engineering Company, Omaha, Nebr., by Ceco Steel Products Corporation, Chicago, Ill. Structural iron and steel building materials. 118,162, Aug. 21, 1917. Republished Jan. 4. Class 12.

Con-Ferro Paint & Varnish Company: *See*—
Con-Ferro Paint and Varnish Company, The.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo., by Con-Ferro Paint & Varnish Company, St. Louis, Mo., and New York, N. Y. Varnish stains, paint enamels, spar varnish, etc. 335,579, June 9, 1936. Republished Jan. 4. Class 16.

Conrad Bering Company: *See*—
Bering, Conrad.

Consolidated Royal Chemical Corporation: *See*—
Indo-Vin, Inc.
Royal Drug Company.
Wooffter, Camden Dr.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey. 316,760, Sept. 4, 1934. Republished Jan. 4. Class 49.

Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin denture base materials. 387,244, May 6, 1941. Republished Jan. 4. Class 44.

Crawford McGregor & Canby Company, The, Dayton, Ohio, by Sport Products, Inc., Cincinnati, Ohio. Golf clubs and golf balls. 137,977, Dec. 14, 1920. Republished Jan. 4. Class 22.

Crawford, McGregor and Canby Company, The, Dayton, Ohio, by Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 188,932, Sept. 9, 1924. Republished Jan. 4. Class 22.

Cromwell, Robert H., Jr.: *See*—
Normany Products Company.

Cudahy Packing Company, The, Chicago, Ill. Laundry soap in powdered form. 505,504, Jan. 4; Serial No. 558,851, published Sept. 28, 1948. Class 4.

Cudahy Packing Company, The, Chicago, Ill. Scouring powder. 505,506, Jan. 4; Serial No. 558,372, published Sept. 28, 1948. Class 4.

Cummins Engine Company, by Cummins Engine Company, Inc., Columbus, Ohio. Trade periodical. 350,500, Sept. 28, 1937. Republished Jan. 4. Class 38.

Cummins Engine Company, Inc.: *See*—
Cummins Engine Company.

Davis & Catterall, New York, N. Y. Cotton piece goods. 505,399, Jan. 4; Serial No. 531,579, published Sept. 14, 1948. Class 42.

Davis, Charles C., and Company, Chicago, Ill. Twines, string, sash cord, etc. 506,348, Jan. 4; Serial No. 519,180, published Sept. 21, 1948. Class 7.

Davison Chemical Corporation, The: *See*—
New Orleans Acid & Fertilizer Company.

Debutante Sportswear: *See*—
Debutante Sportswear, Inc.

Debutante Sportswear, Inc., doing business as Debutante Sportswear, Chicago, Ill. Women's sport dresses. 505,358, Jan. 4; Serial No. 523,948, published Sept. 7, 1948. Class 39.

Decatur Milling Company, by Decatur Milling Company, Inc., Decatur, Ill. Mill product. 227,172, May 3, 1927. Republished Jan. 4. Class 46.

Decatur Milling Company, by Decatur Milling Company, Inc., Decatur, Ill. Product of corn. 227,267, May 3, 1927. Republished Jan. 4. Class 46.

Decatur Milling Company, Inc.: *See*—
Decatur Milling Company.

Deichert, Herb L., doing business as Normal'ine Maternity Dress Company, Los Angeles, Calif. Maternity dresses. 505,514, Jan. 4; Serial No. 495,015. Class 39.

Denison Cotton Mill Co., Denison, Tex. Cotton duck. 505,492–3, Jan. 4; Serial No. 550,028–9, published Sept. 14, 1948. Class 42.

Denison Cotton Mill Co., Denison, Tex. Cotton duck. 505,495, Jan. 4; Serial No. 550,314, published Sept. 14, 1948. Class 42.

Detmer, Bruner & Mason, Inc.: *See*—
Detmer Woolen Company.

Detmer Woolen Company, New York, N. Y., Chicago, Ill., Kansas City, Mo., Los Angeles, Calif., and Seattle, Wash., by Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen piece goods. 81,967, May 23, 1911. Republished Jan. 4. Class 42.

Diamond Calk Horse Shoe Company, Duluth, Minn. Horse shoe calk extractors: calk punches, picks, etc. 421,445, June 4, 1946. Republished Jan. 4. Class 23.

Dill Co., The, Norristown, Pa. Laxative medicine in tablet form. 322,292, Mar. 5, 1935. Republished Jan. 4. Class 6.

District of Columbia Paper Mills, Inc., Washington, D. C. Blotting paper, box cover paper, cover papers, and printing papers. 441,747, Jan. 4; Serial No. 491,753, published Nov. 19, 1946. Class 37.

Diversey Corporation, The, Chicago, Ill. Insecticides and moth preventative and exterminator. 505,436, Jan. 4; Serial No. 539,290, published Sept. 28, 1948. Class 6.

Diversey Machine Works, Inc.: *See*—
Galter Products Co.

Dodson-Fisher Company, Minneapolis, Minn. Bowling shoes. 390,418, Sept. 23, 1941. Republished Jan. 4. Class 39.

Dodwell & Co. Ltd., San Francisco, Calif. Canned fruit, canned fish, cocoanut, etc. 196,852, Mar. 31, 1925. Republished Jan. 4. Class 46.

Donahoe's Incorporated, Pittsburgh, Pa. Canned vegetables, canned oysters and eggs. 218,561, Sept. 28, 1926. Republished Jan. 4. Class 46.

Donahoe's Incorporated, Pittsburgh, Pa. Canned vegetables, canned fruits, etc. 307,335, Oct. 24, 1933. Republished Jan. 4. Class 46.

Donahoe's Incorporated, Pittsburgh, Pa. Food products. 350,993, Oct. 12, 1937. Republished Jan. 4. Class 46.

D'Orsay Perfumeries Corporation, New York, N. Y. Toilet waters, perfumed powder sachets, face and talcum powders, etc. 505,485, Jan. 4; Serial No. 548,347, published Sept. 28, 1948. Class 6.

Douglass, Wylie B., doing business as Warner Distributing Co., Chicago, Ill. Candies. 505,418, Jan. 4; Serial No. 536,879, published Sept. 14, 1948. Class 46.

Drisole Tanning Company, Cudahy, Wis., by Graton & Knight Company, Worcester, Mass. Shoe-sole leather. 246,761, Sept. 11, 1928. Republished Jan. 4. Class 1.

Drisole Tanning Company, Cudahy, Wis., by Graton & Knight Company, Worcester, Mass. Shoe-sole leather. 252,266, Jan. 29, 1929. Republished Jan. 4. Class 1.

Droescher, S. R., Inc., New York, N. Y. Razor hones. 505,435, Jan. 4; Serial No. 538,733, published Sept. 28, 1948. Class 4.

Dronsfield Brothers, Ltd., Lancashire, England. Textile card grinding machines; textile roller, bowl and cylinder grinding machines; etc. 441,742, Jan. 4; Serial No. 474,401, published Sept. 21, 1948. Class 23.

Dudkin, Henry, doing business as Teen Frocks, New York, N. Y. Girls' dresses and suits. 505,530, Jan. 4; Serial No. 515,164. Class 39.

Duo-Tex Corporation, Auburn, Maine. Shoe counters. 391,443, Nov. 11, 1941. Republished Jan. 4. Class 39.

Dyacol Products Laboratory: *See*—
Payne, Clarence E.

E. A. Laboratories, Inc., Brooklyn, N. Y. Vehicle heaters. 505,448, Jan. 4; Serial No. 541,109, published Aug. 24, 1948. Class 19.

Eagle-Ottawa Leather Company, Grand Haven, Mich. Leather. 441,813, Jan. 4; Serial No. 524,115. Class 1.

Eastern Gas and Fuel Associates, Boston, Mass. Coal. 505,433, Jan. 4; Serial No. 538,503, published Sept. 28, 1948. Class 1.

East Whittier Citrus Association, Whittier, Calif. Fresh citrus fruits. 295,995, July 19, 1932. Republished Jan. 4. Class 46.

Eaton Manufacturing Company, Cleveland, Ohio. Permanent mold gray iron castings. 505,519, Jan. 4; Serial No. 507,116. Class 14.

Edison Chemical Co.: *See*—
Edison, Sylvan M.

Edison, Sylvan M., doing business under the name of Edison Chemical Co., Chicago, Ill. Powder soluble to make a cleaning solution. 441,810, Jan. 4; Serial No. 525,808, published Mar. 30, 1948. Class 4.

Effervescent Products, Inc., by Ames Company, Inc., Elkhart, Ind. Effervescent alkalizing preparation. 352,413, Nov. 30, 1937. Republished Jan. 4. Class 6.

Effervescent Products, Inc., by Ames Company, Inc., Elkhart, Ind. Salicylate, iodide with alkali buffers in an effervescent tablet. 352,878, Dec. 14, 1937. Republished Jan. 4. Class 6.

Effervescent Products, Inc., by Ames Company, Inc., Elkhart, Ind. Alkaline effervescent tablets. 384,076, Jan. 7, 1941. Republished Jan. 4. Class 6.

Effervescent Products, Inc., by Ames Company, Inc., Elkhart, Ind. Alkaline effervescent tablets. 401,312, May 11, 1943. Republished Jan. 4. Class 6.

Eisenman, Charles, & Co., by The Kaynee Company, Cleveland, Ohio. Men's shirts and boys' shirts, waists, and blouses. 53,829, June 12, 1906. Republished Jan. 4. Class 39.

Eisenman, Charles, Company, by The Kaynee Company, Cleveland, Ohio. Dress-shirts, negligee shirts, workshirts, waists, rompers, etc. 90,312, Feb. 18, 1913. Republished Jan. 4. Class 39.

Eisenman, Charles, Company, by The Kaynee Company, Cleveland, Ohio. Sleeping garments. 95,208, Feb. 3, 1914. Republished Jan. 4. Class 39.

El Camino Citrus Association, to El Camino Citrus Association of Claremont, Claremont, Calif. Fresh citrus fruits. 242,609, renewed May 29, 1948. O. G. Jan. 4. Class 46.

El Camino Citrus Association of Claremont: *See*—
El Camino Citrus Association.

Elco Grease & Oil Company, The, by The Elco Lubricant Corporation, Cleveland, Ohio. Lead base lubricating grease. 292,691, Mar. 22, 1932. Republished Jan. 4. Class 15.

Elco Grease and Oil Company, The, by The Elco Lubricant Corporation, Cleveland, Ohio. Lubricating oils and greases. 349,996, Sept. 14, 1937. Republished Jan. 4. Class 15.

Elco Grease and Oil Company, The, by The Elco Lubricant Corporation, Cleveland, Ohio. Lubricating oils and greases. 387,690, May 27, 1941. Republished Jan. 4. Class 15.

Elco Lubricant Corporation: *See*—
Elco Grease & Oil Company.
Elco Petroleum Company, The.

Elco Petroleum Company, The, St. Louis, Mo., by The Elco Lubricant Corporation, Cleveland, Ohio. Gasoline. 187,280, July 29, 1924. Republished Jan. 4. Class 15.

Electronic Instrument, The, Inc., Tiffin, Ohio. Electrical instrument for imparting rays to the human body. 505,517, Jan. 4; Serial No. 504,345. Class 44.

Elgin Laboratories, Inc., by J. Galter, Chicago, Ill. Electric lamps for use as a therapeutic agent. 367,801, May 30, 1939. Republished Jan. 4. Class 44.

Ellen Bra Corp., New York, N. Y. Brassières. 505,473, Jan. 4; Serial No. 544,987, published Sept. 7, 1948. Class 39.

Enro Shirt Company, The, Louisville, Ky. Negligee and dress shirts. 306,792, Sept. 26, 1933. Republished Jan. 4. Class 39.

Enterprise Paint Mfg. Co., Chicago, Ill. Ready-mixed and paste paints, varnishes, paint enamels, etc. 169,451, June 19, 1923. Republished Jan. 4. Class 16.

Eureka Chemical Laboratories: *See*—
Stein, Morris.

Evans, Alfred W., Gloucester, Va., and Englewood, N. J. Winches designed to be powered by an internal combustion engine. 505,524, Jan. 4; Serial No. 512,828. Class 23.

Evans Milling Company, Indianapolis, Ind. Corn products. 96,403, Apr. 21, 1914. Republished Jan. 4. Class 46.

Evans Milling Company, by Knefler-Bates Company, Indianapolis, Ind. Product of corn in flake form. 247,350, Sept. 25, 1928. Republished Jan. 4. Class 46.

Evans Sons Lescher & Webb Limited, Liverpool, to The Montserrat Company Limited, Birmingham, England. Lime juice cordial. 70,689, re-renewed Sept. 22, 1948. O. G. Jan. 4. Class 45.

Excelsior Wrapper Company, by American Excelsior Corporation, Chicago, Ill. Excelsior, excelsior products. 161,132, Nov. 7, 1922. Republished Jan. 4. Class 1.

Exeter Manufacturing Company, Exeter, N. H. Cotton piece goods. 505,353, Jan. 4; Serial No. 521,803, published Sept. 14, 1948. Class 42.

Faber, Eberhard, New York, N. Y., by Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber erasers. 66,249, Nov. 19, 1907. Republished Jan. 4. Class 37.

Fairbanks Company, The, New York, N. Y. Steam and water valves. 505,544, Jan. 4; Serial No. 533,869. Class 13.

Fairy Silk Mills, Shillington, Pa., and New York, N. Y. Tricot and milanese fabrics in the piece. 505,325, Jan. 4; Serial No. 479,384, published Sept. 14, 1948. Class 42.

Farr Company, The: *See*—
Farr Produce Company.

Farr Produce Company, The, by The Farr Company, Greeley, Colo. Raw produce. 209,672, Mar. 2, 1926. Republished Jan. 4. Class 46.

Federal Container Company, Philadelphia, Pa. Fibre board in the piece. 243,215, June 12, 1928. Republished Jan. 4. Class 37.

Felton Chemical Company, Inc., Brooklyn, N. Y. Artificial vanilla. 239,928, Mar. 13, 1928. Republished Jan. 4. Class 46.

Felton Chemical Company, Inc., Brooklyn, N. Y. Aldehydes, alcohols, and natural and synthetic essential oils, etc. 242,637–8, May 29, 1928. Republished Jan. 4. Class 6.

Field & Flint Co., Brockton, Mass. Boots and shoes. 271,260, May 27, 1930. Republished Jan. 4. Class 39.

Field and Flint Co., Brockton, Mass. Shoes. 390,862, Oct. 7, 1941. Republished Jan. 4. Class 39.

Fine Products Corporation: *See*—
Hollingsworth Candy Co.
Nunnally Company, The.

Firestone Tire & Rubber Company, The, Akron, Ohio. Vehicle suspensions. 441,749, Jan. 4; Serial No. 497,854, published Sept. 14, 1948. Class 19.

Fisher, Videllia, Oklahoma City, Okla., and New York, N. Y. Hand bleaching cream, face cream, face bleaching cream, etc. 441,788, Jan. 4; Serial No. 519,577, published Sept. 28, 1948. Class 6.

Florian, Inc.: *See*—
Florian Inc.

Florian Inc., Des Moines, Iowa, by Florian, Inc., Des Moines, Iowa. Face powder. 194,742, Feb. 10, 1925. Republished Jan. 4. Class 6.

Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 505,455, Jan. 4; Serial No. 541,828, published Sept. 14, 1948. Class 42.

Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 505,458, Jan. 4; Serial No. 542,456, published Sept. 14, 1948. Class 42.

Forman & Gumner Co., Inc., Boston, Mass. Misses' dresses. 505,532, Jan. 4; Serial No. 516,972. Class 39.

Foster, Benjamin, Company, Philadelphia, Pa. Linoleum cement. 441,790, Jan. 4; Serial No. 519,806, published Sept. 7, 1948. Class 5.

Fox Head Brewing Co.: *See*—
Fox Head Waukesha Corporation.
Milwaukee-Waukesha Brewing Company.

Fox Head Waukesha Corporation, by Fox Head Brewing Co., Waukesha, Wis. Ale. 395,846, June 16, 1942. Republished Jan. 4. Class 48.

Fox Head Waukesha Corporation, by Fox Head Brewing Co., Waukesha, Wis. Lager and pale beer. 399,383, Jan. 5, 1943. Republished Jan. 4. Class 48.

Fox Head Waukesha Corporation, by Fox Head Brewing Co., Waukesha, Wis. Beer. 405,409, Feb. 1, 1944. Republished Jan. 4. Class 48.

Frank Pure Food Company, The, Franksville, Wis. Cocktail of tomato and sauerkraut juice. 357,184, May 24, 1938. Republished Jan. 4. Class 46.

Frank Pure Food Company, Franksville, Wis. Canned sauerkraut and canned sauerkraut juice. 360,748, Sept. 27, 1938. Republished Jan. 4. Class 46.

Fraser Manufacturing Co. Inc., New York, N. Y. Gimp yarn. 505,443, Jan. 4; Serial No. 540,270, published Sept. 14, 1948. Class 43.

Fremont Canning Company, doing business as Gerber Products Company, by Gerber Products Company, Fremont, Mich. Canned fruits and vegetables. 376,175, Feb. 13, 1940. Republished Jan. 4. Class 46.

French Fabrics Co., New York, N. Y. Textile fabrics of rayon in the piece. 505,412, Jan. 4; Serial No. 535,313, published Sept. 14, 1948. Class 42.

Fries Bros.: *See*—
Fries, Harold H.

Fries Bros., by Fries Bros., Inc., New York, N. Y. Powdered or liquid sweeteners, saccharine substances, and benzoic sulfinids. 31,790, July 5, 1898. Republished Jan. 4. Classes 6 and 46.

Fries Bros., Inc.: *See*—
Fries Bros.

Fries Bros., Inc., New York, N. Y. 1-methyl-3-dimethylcyclohexanol-(5). 407,446, June 6, 1944. Republished Jan. 4. Class 6.

Fries Bros., Inc., New York, N. Y. Solvents for flavoring extracts. 505,471, Jan. 4; Serial No. 544,260, published Sept. 28, 1948. Class 6.

Fries, Harold H., by Fries Bros., Inc., New York, N. Y. Chlorid or ethyl. 63,705, July 2, 1907. Republished Jan. 4. Class 6.

Fries, Harold H., doing business as Fries Bros., by Fries Bros., Inc., New York, N. Y. Anaesthetics. 236,873, Dec. 27, 1927. Republished Jan. 4. Class 6.

Fries, Harold H., doing business as Fries Bros., by Fries Bros., Inc., New York, N. Y. Ethyl protocatechuic aldehyde. 249,714, Nov. 20, 1928. Republished Jan. 4. Class 6.

Fries, Harold H., doing business as Fries Bros., by Fries Bros., Inc., New York, N. Y. Liquid solvent. 265,227, Dec. 17, 1929. Republished Jan. 4. Class 6.

Fries, Harold H., doing business as Fries Bros., by Fries Bros., Inc., New York, N. Y. Germicide and fungicide. 272,208, July 1, 1930. Republished Jan. 4. Class 6.

Fries, Harold H., New York, by Fries Bros., Inc., Borough of Manhattan, New York, N. Y. Antiseptic and disinfectant. 289,719, Dec. 1, 1931. Republished Jan. 4. Class 6.

Fries, Harold H., doing business as Fries Bros., by Fries Bros., Inc., New York, N. Y. Emulsifying agent. 296,914, Aug. 23, 1932. Republished Jan. 4. Class 6.

Fruit of the Loom, Inc.: *See*—
Knight, B. B. & R., Inc.

Fruit of the Loom, Inc., Providence, R. I. Sheets, pillowcases, and cotton piece goods. 363,008, Dec. 6, 1938. Republished Jan. 4. Class 42.

Fruit of the Loom, Inc., Providence, R. I. Sheets, pillowcases, and cotton piece goods. 363,475–6, Dec. 27, 1938. Republished Jan. 4. Class 42.

Fuller Brush Company, The, Hartford, Conn. Toothbrushes. 433,580, Oct. 21, 1947. Republished Jan. 4. Class 29.

Fuller Brush Company, The, Hartford, Conn. Periodical publication. 505,487, Jan. 4; Serial No. 548,957, published Aug. 17, 1948. Class 38.

Furst-McNess Company, Freeport, Ill. Round worm remedy, chocolate-coated laxative, tooth paste, etc. 505,354, Jan. 4; Serial No. 522,841, published Sept. 28, 1948. Class 6.

G. H. P. Cigar Company, Inc., by G. H. P. Cigar Company, Inc., Philadelphia, Pa. Cigars. 203,569, Sept. 22, 1925. Republished Jan. 4. Class 17.

Gallagher-Thomas Chemical Co., to N. Thomas, San Francisco, Calif. Hair tonics, hair restorer. 254,466, renewed Mar. 26, 1949. O. G. Jan. 4. Class 6.

Gallenkamp Stores Co., San Francisco and Los Angeles, Calif. Shoes made of leather or partly of leather. 505,515, Jan. 4; Serial No. 500,749. Class 39.

Galter, Jack: *See*—
Elgin Laboratories, Inc.

Galter Products Co., by Diversey Machine Works, Inc., Chicago, Ill. Fountain pens and mechanical pencils. 433,998–9, Nov. 4, 1947. Republished Jan. 4. Class 37.

Gas and Electric Heater Co.: *See*—
Bastian-Morley Co.

Gehring Laces, Inc., New York, N. Y. Lace piece goods. 350,031, Sept. 14, 1937. Republished Jan. 4. Class 42.

Gehrlein, Lawrence J., doing business as Larry's Welding Shop, Erie, Pa. Truck bodies, truck cabs, and tractor cabs. 441,757, Jan. 4; Serial No. 502,972, published Sept. 14, 1948. Class 19.

Gem Hammock & Fly Net Company, The, by Gem Products, Inc., Milwaukee, Wis. Polish for furniture, automobiles, floors, woodwork, etc. 138,246, Dec. 21, 1920. Republished Jan. 4. Class 16.

Gem Hammock & Fly Net Company, The, by Gem Products, Inc., Milwaukee, Wis. Oil for mops. 152,785, Mar. 7, 1922. Republished Jan. 4. Class 16.

Gem Hammock & Fly Net Company, The, by Gem Products, Inc., Milwaukee, Wis. Brooms and mops. 183,806, May 6, 1924. Republished Jan. 4. Class 29.

Gem Products, Inc.: *See*—
Gem Hammock & Fly Net Company, The.

Gem Products, Inc., Milwaukee, Wis. Mops and dusters. 402,422, July 20, 1943. Republished Jan. 4. Class 29.

Gem Products, Inc., Milwaukee, Wis. Shoe polishes and cleaners for white shoes. 402,594, Aug. 3, 1943. Republished Jan. 4. Class 4.

Gem Products, Inc., Milwaukee, Wis. Oil type furniture polish, white emulsion furniture polish, etc. 406,188, July 25, 1944. Republished Jan. 4. Class 16.

Gem Products, Inc., Milwaukee, Wis. Floor mops. 408,541, Aug. 15, 1944. Republished Jan. 4. Class 29.

Gemloid Corporation, Elmhurst, Long Island, N. Y. Plastic castings. 392,064, Dec. 9, 1941. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 50.

General Atlas Carbon Company: *See*—
Grasselli Chemical Company, The.

General Dyestuff Corporation, New York, N. Y. Dyestuffs. 505,336, Jan. 4; Serial No. 512,328, published Sept. 7, 1948. Class 6.

General Dyestuff Corporation, New York, N. Y. Detergents. 505,339, Jan. 4; Serial No. 514,029, published Sept. 28, 1948. Class 4.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 505,377, Jan. 4; Serial No. 528,565, published Sept. 28, 1948. Class 6.

General Engineering & Mfg. Co., St. Louis, Mo. Face grinders, shapers, catheads, etc. 505,324, Jan. 4; Serial No. 454,942, published Sept. 21, 1948. Class 23.

General Mills, Inc., Minneapolis, Minn. Wheat flour. 283,184, May 19, 1931. Republished Jan. 4. Class 46.

Gerber Products Company: *See*—
Fremont Canning Company.

Givaudan-Delawanna, Inc., New York, N. Y., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Chemo-therapeutic substances. 505,374, Jan. 4; Serial No. 528,345, published Mar. 23, 1949. Class 6.

Glass, Jackson C. E., doing business as Glass Sales Agency, Oakland, to Silkiln Paper Corporation, San Francisco, Calif. Toilet paper. 254,779, renewed Apr. 2, 1949. O. G. Jan. 4. Class 37.

Glass Sales Agency: *See*—
Glass, Jackson C. E.

Glen Medical Company, Inc., Troy, N. Y. Preparation for the relief of nervousness, etc. 505,423, Jan. 4; Serial No. 537,449, published Sept. 28, 1948. Class 6.

Globe Brewing Company, The: *See*—
Gottlieb Bauernschmidt Straus Brewing Company, The.

Goetz, M. K., Brewing Co., St. Joseph, Mo. Bottled beer. 32,494, re-renewed Feb. 14, 1949. O. G. Jan. 4. Class 48.

Golden Pheasant, The, by Frederick J. Williams, San Francisco, Calif. Candies, cakes, confectionery, and the like. 100,204, Oct. 13, 1914. Republished Jan. 4. Class 46.

Gold Medal Hair Products, Brooklyn, N. Y. Nonelectrical curling irons, pressing combs, and marcel irons. 441,765, Jan. 4; Serial No. 509,414, published Sept. 21, 1948. Class 40.

Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 338,927–8, Sept. 22, 1936. Republished Jan. 4. Class 46.

Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 339,019, Sept. 22, 1936. Republished Jan. 4. Class 46.

Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 342,469, Jan. 19, 1937. Republished Jan. 4. Class 46.

Goleta Lemon Association, Goleta, Calif. Fresh citrus fruits. 367,599, June 7, 1938. Republished Jan. 4. Class 46.

Good-All Electric Manufacturing Company, Ogallala, Nebr. Electrical apparatus comprising oscillators, vibrators, and rectifiers. 505,523, Jan. 4; Serial No. 512,499. Class 21.

Goodman, M., & Son, by M. Goodman & Son Inc., New York, N. Y. Hosiery. 400,631, Mar. 23, 1943. Republished Jan. 4. Class 39.

Goodman, M., & Son Inc.: *See*—
M. Goodman & Son.

Goodrich, B. F., Company, The, Akron, Ohio. Transparent and opaque resinous plastic material in sheet form. 441,766, Jan. 4; Serial No. 509,417, published Sept. 28, 1948. Class 1.

Goodwin Citrus Association, Mission, Tex. Fresh citrus fruits. 363,822, Jan. 10, 1939. Republished Jan. 4. Class 46.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Vehicle wheel rims. 505,394, Jan. 4; Serial No. 530,308, published Sept. 21, 1948. Class 19.

Gottlieb Bauernschmidt Straus Brewing Company, The, by The Globe Brewing Company, Baltimore, Md. Lager-beer. 100,633, Oct. 20, 1914. Republished Jan. 4. Class 48.

Gottlieb Bauernschmidt Straus Brewing Company, The, by The Globe Brewing Company, Baltimore, Md. Lager-beer. 100,909, Oct. 27, 1914. Republished Jan. 4. Class 48.

Grandias, Annis & Co., Inc., Tampa, Fla. Cigars. 505,556, Jan. 4; Serial No. 552,309. Class 17.

Graphite Lubricating Company, The, by Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Metal and graphite machine-bearings, bushings, and thrust bearings of washer type. 83,488, Sept. 19, 1911. Republished Jan. 4. Class 23.

Graphite Lubricating Company, The, by Bound Brook Oil-Less Bearing Company, Bound Brook, N. J. Self-lubricating trolley-wheel bushings and metal and graphite bearings and bushings. 116,521, May 8, 1917. Republished Jan. 4. Class 23.

Grasselli Chemical Company, The, Cleveland, Ohio, by General Atlas Carbon Company, Boston, Mass. Carbon black. 244,116, July 10, 1928. Republished Jan. 4. Classes 1 and 16.

Graton & Knight Company: *See*—
Bradford Belting Co., The.
Buchheimer Company, The.
Drisole Tanning Company.
Graton & Knight Mfg. Co.
Graton and Knight Manufacturing Company.
Graton & Knight Manufacturing Company, The.
Ladew, Edward R., Company, Inc.
New York Leather Belting Co.
Scherer Leather Company.
Shults Belting Company.

Graton & Knight Company, Worcester, Mass. Sole leather. 236,259, Dec. 6, 1927. Republished Jan. 4. Class 1.

Graton & Knight Company, Worcester, Mass. Belts and belting. 243,690, June 26, 1928. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Belts and belting. 245,791, Aug. 21, 1928. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Machinery belting and leather washers. 246,268, Sept. 4, 1928. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Leather shoe soles. 257,077, May 28, 1929. Republished Jan. 4. Class 39.

Graton & Knight Company, Worcester, Mass. Machinery belting, diaphragms, discs, gaskets, washers, etc. 276,980, Nov. 4, 1930. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Machinery belting, diaphragms, discs, gaskets, etc. 280,618, Feb. 24, 1931. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Leather belting. 298,524, Nov. 1, 1932. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Leather belting. 344,434, Mar. 28, 1937. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Leather belting. 374,005, Jan. 16, 1940. Republished Jan. 4. Class 35.

Graton & Knight Company, Worcester, Mass. Loom supplies. 391,414, Nov. 4, 1941. Republished Jan. 4. Class 23.

Graton & Knight Company, Worcester, Mass. Loom supplies. 398,756, Mar. 3, 1942. Republished Jan. 4. Class 23.

Graton & Knight Company, Worcester, Mass. Loom supplies. 393,768, Mar. 3, 1942. Republished Jan. 4. Class 23.

Graton & Knight Company, Worcester, Mass. Adhesive belt cement. 414,542, June 12, 1945. Republished Jan. 4. Class 5.

Graton & Knight Company, Worcester, Mass. Belt dressing. 417,910, Nov. 20, 1945. Republished Jan. 4. Class 4.

Graton & Knight Company, Worcester, Mass. Belt dressing. 418,364, Dec. 18, 1945. Republished Jan. 4. Class 4.

Graton & Knight Company, Worcester, Mass. Leather soles. 418,679, Jan. 8, 1946. Republished Jan. 4. Class 39.

Graton & Knight Company, Worcester, Mass. Leather in the piece. 422,424, July 23, 1946. Republished Jan. 4. Class 1.

Graton & Knight Company, Worcester, Mass. Adhesive belt cement. 422,598, July 30, 1946. Republished Jan. 4. Class 5.

Graton and Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather belting. 49,546, Feb. 6, 1906. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, by Graton & Knight Company, Worcester, Mass. Belting-leather. 74,811, Aug. 10, 1909. Republished Jan. 4. Class 1.

Graton & Knight Manufacturing Company, by Graton & Knight Company, Worcester, Mass. Leather for belting. 75,159, Sept. 7, 1909. Republished Jan. 4. Class 1.

Graton & Knight Mfg. Co., by Graton & Knight Company, Worcester, Mass. Leather belting. 76,285–6, Jan. 4, 1910. Republished Jan. 4. Class 35.

Graton & Knight Mfg. Co., by Graton & Knight Company, Worcester, Mass. Leather for boots and shoes. 76,621, Feb. 1, 1910. Republished Jan. 4. Class 1.

Graton & Knight Mfg. Co., by Graton & Knight Company, Worcester, Mass. Leather for boots and shoes. 77,918, May 17, 1910. Republished Jan. 4. Class 1.

Graton and Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather. 114,749, Jan. 2, 1917. Republished Jan. 4. Class 1.

Graton and Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather soles. 120,971, Mar. 19, 1918. Republished Jan. 4. Class 39.

Graton and Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Round leather belting. 128,226, Oct. 22, 1918. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather belting. 127,615, Nov. 18, 1919. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather belting. 133,687, Aug. 3, 1920. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather belting. 138,011, Dec. 14, 1920. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Lace-leather and cut laces of leather. 147,613, Oct. 25, 1921. Republished Jan. 4. Classes 1 and 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather belting. 159,887, Oct. 10, 1922. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Cut lace leather and lace leather in sides. 190,878, Oct. 28, 1924. Republished Jan. 4. Classes 1 and 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Leather packings. 191,241, Nov. 4, 1924. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Packings, flange packing, U packings, etc. 193,747, Jan. 6, 1925. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Belts and belting. 202,919, Sept. 8, 1925. Republished Jan. 4. Class 35.

Graton & Knight Manufacturing Company, The, by Graton & Knight Company, Worcester, Mass. Adhesive belt cement. 217,350, Aug. 31, 1926. Republished Jan. 4. Class 35.

Gray, Dorothy, New York, N. Y., to Lehn & Fink Products Corporation, Bloomfield, N. J. Patters for the skin and tissue and reducing chin strap. 254,598, renewed Mar. 26, 1949. O. G. Jan. 4. Class 44.

Gray, W. L., & Company: *See*—
Atlas Key Co.

Great American Tea Company, The, New York, N. Y. Shaving cream. 505,497, Jan. 4; Serial No. 550,915, published Sept. 28, 1948. Class 4.

Great American Tea Company, The, New York, N. Y. Cleansing preparation in powder form. 505,498, Jan. 4; Serial No. 550,917, published Sept. 28, 1948. Class 4.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Canned tomatoes, pumpkin, beets, etc. 505,372, Jan. 4; Serial No. 528,271, published Sept. 21, 1948. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Ammonia, washing sal soda, laundry bleach, liquid blue, etc. 505,430, Jan. 4; Serial No. 538,125, published Sept. 21, 1948. Class 6.

Great Lakes Varnish Works: *See*—
Great Lakes Varnish Works, Inc.

Great Lakes Varnish Works, Inc., Chicago, Ill. Paste paint and paint enamel. 505,407, Jan. 4; Serial No. 534,272, published Aug. 10, 1948. Class 16.

Great Lakes Varnish Works, Inc., doing business as Great Lakes Varnish Works, Chicago, Ill. Paint enamel. 505,408, Jan. 4; Serial No. 534,273, published Aug. 10, 1948. Class 16.

Great Northern Shoe Co.: *See*—
International Shoe Company.

Greenebaum, J., Tanning Co., Chicago, Ill. Full grained and buffed sole leather. 505,382, Jan. 4; Serial No. 529,049, published Apr. 27, 1948. Class 1.

Greenebaum, J., Tanning Co., Chicago, Ill. Leather. 505,539, Jan. 4; Serial No. 529,035. Class 1.

Grey, Herbert J., New York, N. Y. Wrapping paper, tissue paper, paper towels, etc. 240,657, Apr. 3, 1928. Republished Jan. 4. Classes 5 and 37.

Grief, L., & Bro., Inc., Baltimore, Md. Outer clothing. 180,894, Mar. 11, 1924. Republished Jan. 4. Class 39.

Griffin Buggy Co., by Griffin Knitting Mills, Griffin, Ga. Knitted underwear. 246,323, Sept. 4, 1928. Republished Jan. 4. Class 39.

Guild, J. H., Company Inc., The, Rupert, Vt. Preparations in powder and cigarette form. 505,486, Jan. 4; Serial No. 548,815, published Sept. 21, 1948. Class 6.

Gum, Jesse H., Oakwood, Okla. Medicine for fowl. 505,502, Jan. 4; Serial No. 555,265, published Sept. 28, 1948. Class 6.

Gwaltney, P. D., Jr. & Co., Inc., Smithfield, Va. Cured meats. 284,173, June 16, 1931. Republished Jan. 4. Class 46.

Gwaltney, P. D., Jr. & Co., Inc., Smithfield, Va. Cured meats. 285,509, July 28, 1931. Republished Jan. 4. Class 46.

Gwaltney, P. D., Jr. & Co., Inc., Smithfield, Va. Ham. 331,173, Dec. 31, 1935. Republished Jan. 4. Class 46.

Gwaltney, P. D., Jr. & Co., Inc., Smithfield, Va. Hams, picnics, bacon, and shoulder butts. 384,542, Jan. 21, 1941. Republished Jan. 4. Class 46.

Gwinn Bros. & Co., Huntington, W. Va. Wheat flour. 307,779, Oct. 31, 1933. Republished Jan. 4. Class 46.

Gwinn Bros. & Co., Huntington, W. Va. Wheat flour. 319,894, Dec. 11, 1934. Republished Jan. 4. Class 46.

Haas, Baruch & Co., Los Angeles, Calif. Popcorn (raw), canned vegetables, canned fruits, etc. 250,796, Dec. 18, 1928. Republished Jan. 4. Class 46.

Hale-Halsell Company: *See*—
Hale-Halsell Grocery Co.

Hale-Halsell Company, McAlester, Okla. Coffee. 247,128, Sept. 18, 1928. Republished Jan. 4. Class 46.

Hale-Halsell Grocery Co., McAlester, Durant, Coalgate, Muskogee, by Hale-Halsell Company, McAlester, Okla. Canned fruits, vegetables, and oysters. 73,518, Apr. 27, 1909. Republished Jan. 4. Class 46.

Hale-Halsell Grocery Co., McAlester, Muskogee, Coalgate, and Durant, by Hale-Halsell Company, McAlester, Okla. Canned fruits and vegetables, sauerkraut, hominy, etc. 93,531, Sept. 23, 1913. Republished Jan. 4. Class 46.

Hale-Halsell Gro. Co., McAlester, Durant, Coalgate, Muskogee, and Tulsa, by Hale-Halsell Company, McAlester, Okla. Canned soups, mincemeat, prepared mustard, etc. 107,066, Nov. 9, 1915. Republished Jan. 4. Class 46.

Harper Brothers, Inc., New York, N. Y. Hats and hat bodies. 505,503, Jan. 4; Serial No. 555,718, published Sept. 14, 1948. Class 39.

Hampden Color and Chemical Company, Springfield, Mass. Ready-mixed paints, colors in oil, paints for masonry, etc. 441,782, Jan. 4; Serial No. 515,835, published Sept. 14, 1948. Class 16.

Handy-Andy Community Stores, Inc.: *See*—
Handy Andy Community Stores, Inc.

Handy Andy Community Stores, Inc., to Handy-Andy Community Stores, Inc., San Antonio, Tex. Canned peaches. 233,765, Oct. 11, 1927. New certificate. O. G. Jan. 4. Class 46.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear, and children's sleepers. 505,421, Jan. 4; Serial No. 537,187, published Aug. 24, 1948. Class 39.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory cement. 154,043, Apr. 4, 1922. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory cement. 160,206, Oct. 17, 1922. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick and refractory cements. 188,715, Sept. 2, 1924. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory cement. 310,762, Mar. 6, 1934. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire bricks. 315,912, Aug. 14, 1943. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory, insulating, and acid-proof brick. 321,533, Feb. 5, 1935. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Acid-proof brick. 331,438, Jan. 7, 1936. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. 353,278, Dec. 28, 1937. Republished Jan. 4. Class 12.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Covers for ingot molds. 369,116, July 18, 1939. Republished Jan. 4. Class 23.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. 415,351, Aug. 7, 1945. Republished Jan. 4. Class 12.

Harrison, Carter H., & Company, Chicago, Ill. Monthly publication. 374,424, Jan. 9, 1940. Republished Jan. 4. Class 38.

Hartmann Company, Racine, Wis. Suitcases, hand luggage cases equipped with garment carrying fixtures, and wardrobe suitcases. 505,439, Jan. 4; Serial No. 539,877, published Sept. 21, 1948. Class 3.

Harvey-Whipple, Incorporated, Springfield, Mass. Oil burner atomizers. 349,785, Sept. 7, 1937. Republished Jan. 4. Class 13.

Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. 339,988, Oct. 27, 1936. Amended. O. G. Jan. 4. Class 39.

Haslett, Howard, administrator of A. Pollack, deceased, by Augustus Pollack, Incorporated, Wheeling, W. Va. Stogies. 62,837, May 28, 1907. Republished Jan. 4. Class 17.

Haslett, Howard, administrator of the estate of A. Pollack, deceased, by Augustus Pollack, Incorporated, Wheeling, W. Va. Stogies. 63,310–11, June 11, 1907. Republished Jan. 4. Class 17.

Henard Mayonnaise Company, Nashville, by Kraft Foods Company, Chicago, Ill. Salad dressing and vegetable relish. 183,164, Apr. 22, 1924. Republished Jan. 4. Class 46.

Hendee, George M., by Indian Motocycle Company, Springfield, Mass. Motorcycles. 39,008, Oct. 7, 1902. Republished Jan. 4. Class 19.

Hendee Manufacturing Company, by Indian Motocycle Company, Springfield, Mass. Internal-combustion engines. 103,727–8, Apr. 13, 1915. Republished Jan. 4. Class 23.

Henkel-Clauss Co., The, Fremont, Ohio, and New York, N. Y. Meat vegetable and food choppers; pruners, tinners, etc. 136,455, Nov. 2, 1920. Republished Jan. 4. Class 23.

Henry, Paul, Los Angeles, Calif. Thermostats. 421,215, May 21, 1946. Republished Jan. 4. Class 26.

Hercules Powder Company, Wilmington, Del. Carboxymethyl cellulose. 505,462, Jan. 4; Serial No. 543,181, published Sept. 7, 1948. Class 6.

Hetman and Co.: *See*—
Hetman, Wencel F.

Hetman, Wencel F., doing business under the name of Hetman and Co., Chicago, Ill. Diaper wash. 505,410, Jan. 4; Serial No. 534,777, published Sept. 28, 1948. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Awning textile fabrics. 505,376, Jan. 4; Serial No. 528,477, published Sept. 14, 1948. Class 42.

Hills, E. A., doing business as Associations Publishing Company, by E. A. Hills, San Francisco, Calif. Monthly magazine. 427,898, Feb. 25, 1947. Republished Jan. 4. Class 38.

Hoffmann-La Roche, F., & Cie., Basle, Switzerland, to Hoffmann-La Roche Inc., Nutley, N. J. Remedy for phthisis. 32,563, re-renewed Feb. 28, 1949. O. G. Jan. 4. Class 6.

Hoffmann-La Roche Inc.: *See*—
Hoffmann-La Roche, F., & Cie.

Hollandsche Cacao-en Chocoladefabrieken v/h Bensdorp & Co., to Bensdorp N. V., Amsterdam, Netherlands. Cocoa. 241,986, renewed May 8, 1946. O. G. Jan. 4. Class 46.

Hollingsworth Candy Co., by Fine Products Corporation, Augusta, Ga. Candy. 143,049, May 24, 1921. Republished Jan. 4. Class 46.

Hollingsworth Candy Co., by Fine Products Corporation, Augusta, Ga. Candy. 189,726, Sept. 23, 1924. Republished Jan. 4. Class 46.

Hollingsworth Candy Co., doing business as Sweetly Yours Candy Co., by Fine Products Corporation, Augusta, Ga. Candy. 201,490, July 28, 1925. Republished Jan. 4. Class 46.

Hollister Canning Company, Inc., Hollister, Calif. Canned fruits and canned vegetables. 505,342, Jan. 4; Serial No. 515,207, published Sept. 21, 1948. Class 46.

Holmes & Zucker Inc., New York, N. Y. Cotton, rayon, acetate, and/or silk piece goods. 395,457, May 26, 1942. Republished Jan. 4. Class 42.

Hood Chemical Co., Inc.: *See*—
Bromund, E. A., Company

Hood Chemical Co., Inc., Pittsburgh, Pa. Household cleaner. 426,393, Dec. 24, 1946. Republished Jan. 4. Class 4.

Hood Chemical Co., Inc., Pittsburgh, Pa. Household cleaner. 433,881, Nov. 4, 1947. Republished Jan. 4. Class 4.

Hood Chemical Co., Inc., Pittsburgh, Pa. Chemical preparation. 505,459, Jan. 4; Serial No. 542,470, published Sept. 28, 1948. Class 6.

Hoover Hosiery Company, Concord, N. C. Hosiery. 238,656, Feb. 14, 1925. Republished Jan. 4. Class 39.

Hostess Frocks, Inc., New York, N. Y. Women's dresses. 334,427, May 5, 1936. Republished Jan. 4. Class 39.

Hotstream Heater Company, The, Cleveland, Ohio. Automatic draft controls. 441,787, Jan. 4; Serial No. 519,395, published Sept. 14, 1948. Class 34.

Huffman Full Fashioned Mills, Inc., Morganton, N. C. Ladies' Hosiery. 505,525, Jan. 4; Serial No. 513,741. Class 39.

Huntington Laboratories, Inc., Huntington, Ind. Perfumed disinfectant and hospital germicide. 434,230, Nov. 11, 1947. Republished Jan. 4. Class 6.

Imperial Litemaster Distributors, Inc.: *See*—
March Corporation.

Indian Motocycle Company: *See*—
Hendee, George M.
Hendee Manufacturing Company.

Indian Hill Citrus Association, North Pomona, Calif. Citrus fruits. 76,919, Feb. 22, 1910. Republished Jan. 4. Class 46.

Indian Hill Citrus Association, North Pomona, Calif. Citrus fruits. 77,468, Apr. 12, 1910. Republished Jan. 4. Class 46.

Indian Hill Citrus Association, North Pomona, Calif. Fresh citrus fruits. 378,595, June 11, 1940. Republished Jan. 4. Class 46.

Indo-Vin, Inc., Cincinnati, Ohio, by Consolidated Royal Chemical Corporation, Chicago, Ill. Tonic. 316,848, Sept. 4, 1934. Republished Jan. 4. Class 6.

Innis, Speiden & Co., New York and Niagara Falls, N. Y. Portable hand and wheel mounted power operated machines. 505,395, Jan. 4; Serial No. 530,511, published Sept. 7, 1948. Class 23.

International Projector Corporation: *See*—
Star Equipment Corporation.

Irvine Valencia Growers, Irvine, Calif. Fresh citrus fruits. 256,970, May 28, 1929. Republished Jan. 4. Class 46.

International Braid Company, assignor to International Braid Company, (1947), Providence, R. I. Shoe laces and garment lacings having a tip thereon. 441,780, Jan. 4; Serial No. 514,274, published Sept. 21, 1948. Class 40.

International Braid Company, (1947): *See*—
International Braid Company.

International Industries, Inc., by Argus Incorporated, Ann Arbor, Mich. Photographic apparatus. 374,175, Jan. 2, 1940. Republished Jan. 4. Class 26.

International Shoe Company, doing business as Great Northern Shoe Co., St. Louis, Mo., and Manchester, N. H., to International Shoe Company, St. Louis, Mo. Leather boots, shoes, and slippers. 253,768, renewed Mar. 5, 1949. O. G. Jan. 4. Class 39.

Inter-State Auto Parts Co., Inc., New York, N. Y. Automobile accessories. 247,355, renewed Sept. 25, 1948. O. G. Jan. 4. Class 21.

Ireland & Matthews Manufacturing Company, The, by Autopulse Corporation, Detroit, Mich. Fuel pumps for internal combustion engines. 205,145, Nov. 3, 1925. Republished Jan. 4. Class 23.

Iron Fireman Manufacturing Company, Portland, Oreg. Automatic coal burners. 248,719, renewed Oct. 30, 1948. O. G. Jan. 4. Class 34.

Irvington Varnish & Insulator Co., Irvington, N. J. Electrical insulation material. Serial No. 185,527, June 17, 1924. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded resinoid plastic materials in the form of tubes, rods, strips and monofilament threads. 392,351, Dec. 23, 1941. Republished Jan. 4. Class 1.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded plastic tubing for electrical insulation. 393,129, Jan. 27, 1942. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Varnished tubing for electrical insulation. 393,130, Jan. 27, 1942. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded plastic tubing for electrical insulation. 397,541–2, Sept. 8, 1942. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded plastic tubing for electrical insulation. 402,320, July 13, 1943. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded plastic tubing for electrical insulation. 405,222, Jan. 11, 1944. Republished Jan. 4. Class 21.

Irvington Varnish & Insulator Co., Irvington, N. J. Flexible extruded plastic tubing. 405,798, Feb. 22, 1944. Republished Jan. 4. Class 35.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded resenoid plastic tubes, rods, strips and monofilament threads. 420,390, Apr. 9, 1946. Republished Jan. 4. Class 1.

Irvington Varnish & Insulator Co., Irvington, N. J. Extruded thermoplastic flexible tubing. 420,720, Apr. 30, 1946. Republished Jan. 4. Class 35.

Irvington Varnish & Insulator Co., Irvington, N. J. Yellow varnished cambric tape, used for electrical insulation purposes. 424,948, Oct. 29, 1946. Republished Jan. 4. Class 21.

Isaacson, L., & Sons: *See*—
Isaacson, L., & Sons, Inc.

Isaacson, L., & Sons, Inc., by L. Isaacson & Sons, New York, N. Y. Boys' suits. 342,485, Jan. 19, 1937. Republished Jan. 4. Class 39.

Isaacson, L., & Sons, Inc., by L. Isaacson & Sons, New York, N. Y. Boys' and girls' juvenile clothing. 358,247, July 5, 1938. Republished Jan. 4. Class 39.

Isaacson, L., & Sons, Inc., by L. Isaacson & Sons, New York, N. Y. Children's suits, overalls and shorts, etc. 372,632, Nov. 7, 1939. Republished Jan. 4. Class 39.

Isaacson, L., & Sons, Inc., by L. Isaacson & Sons, New York, N. Y. Sweaters and knitted suits for women and children. 373,337, Dec. 5, 1939. Republished Jan. 4. Class 39.

Island Creek Boat Shop, Oxford, Md. Small boats, dinghies, tenders, etc. 441,792, Jan. 4; Serial No. 520,219, published Aug. 24, 1948. Class 19.

"J A V." Société Anonyme, Besons, France. Cleaning and scrubbing preparations and soaps. 505,330, Jan. 4; Serial No. 495,389, published Sept. 28, 1948. Class 4.

James Manufacturing Company, Fort Atkinson, Wis. Name plates; poultry equipment. 250,249, renewed Dec. 4, 1948. O. G. Jan. 4. Class 50.

James Manufacturing Company, Fort Atkinson, Wis. Steel supporting columns; metal window, etc. 250,539, renewed Dec. 11, 1948. O. G. Jan. 4. Class 12.

Jamieson Pharmacal Company, Detroit, Mich. Nutritive tonics. 540,400, Jan. 4; Serial No. 531,673, published Sept. 28, 1948. Class 6.

Jamieson Pharmacal Company, Detroit, Mich. Wafers containing dicalcium phosphate and viosterol. 540,401, Jan. 4; Serial No. 531,676, published Sept. 28, 1948. Class 6.

Jarecki Manufacturing Co., Erie, Pa. Valves, Brass and iron, and brass, Malleable and gray iron pipe fittings for plumbing, etc. 505,528, Jan. 4; Serial No. 514,958. Class 13.

Jewel Paint & Varnish Co.: *See*—
Wadsworth-Howland Company.

Jewett & Sherman Co., Milwaukee, Wis. Food flavoring extract. 433,956, Nov. 4, 1947. Republished Jan. 4. Class 46.

Juilliard & Co., A. D., Inc.: *See*—
Atlantic Mills.

K. & E. Blouse Makers, by The Kaynee Company, Cleveland, Ohio. Blousees, rompers, shirt-waists, and children's frocks. 98,998, Aug. 11, 1914. Republished Jan. 4. Class 39.

Kansas City Wholesale Grocery Co., by Pickwick Products, Inc., Kansas City, Mo. Baking powder and bluing, gloss starch, and salt for food purposes. 225,186. Mar. 15, 1927. Republished Jan. 4. Classes 6 and 46.

Kaynee Company, The: *See*—
Eisenman, Charles & Co.
Eisenman, Charles, Company.
K. & E. Blouse Makers.
Kiddie Togs Company, The.

Kaynee Company, The, Cleveland, Ohio. Youths' dress, negligee, and work shirts. 168,351, May 22, 1923. Republished Jan. 4. Class 39.

Kaynee Company, The, Cleveland, Ohio. Children's undergarments. 168,788, May 29, 1923. Republished Jan. 4. Class 39.

Kaynee Company, The, Cleveland, Ohio. Boys' shirts. 302,205, Apr. 4, 1933. Republished Jan. 4. Class 39.

Kaynee Company, The, Cleveland, Ohio. Children's waists, children's blouses, children's shirts, etc. 339,218, Sept. 29, 1936. Republished Jan. 4. Class 39.

Kelley-Clarke Co., by San Juan Fishing & Packing Company, Seattle, Wash. Canned salmon. 88,307, Sept. 10, 1912. Republished Jan. 4. Class 46.

Kelly, Wm., Milling Company, by The William Kelly Milling Company, Hutchinson, Kans. Wheat flour. 89,629, June 23, 1908. Republished Jan. 4. Class 46.

Kelly, William, Milling Company, The: *See*—
Kelly, Wm., Milling Company.

Kelseyville Packing Company, Kelseyville, Calif. Fresh deciduous fruits. 350,818–19, Oct. 5, 1937. Republished Jan. 4. Class 46.

Kelseyville Packing Company, Kelseyville, Calif. Fresh deciduous fruits. 353,353, Jan. 4, 1938. Republished Jan. 4. Class 46.

Kenore Products Corporation, New York, N. Y. Coiffure accessories. 505,478, Jan. 4; Serial No. 545,997, published Sept. 21, 1948. Class 40.

Kent, Roger, Inc., New York, N. Y. Men's clothing. 368,321, June 13, 1939. Republished Jan. 4. Class 39.

Kent, Roger, Inc., New York, N. Y. Men's clothing. 376,915, Apr. 9, 1940. Republished Jan. 4. Class 39.

Kiddie Togs Company, The, by The Kaynee Company, Cleveland, Ohio. One-piece garments for children. 191,049, Oct. 28, 1924. Republished Jan. 4. Class 39.

Kiggins & Tooker Co., New York, N. Y., by National Blank Book Company, Holyoke, Mass. Blank books. 79,587, Sept. 20, 1910. Republished Jan. 4. Class 37.

Kiggins & Tooker Co., New York, N. Y., by National Blank Book Company, Holyoke, Mass. Diaries. 79,763, Oct. 4, 1910. Republished Jan. 4. Class 37.

Kiwi Polish Company Proprietary Limited, The, Richmond, near Melbourne, Australia. Polishing and cleaning preparations. 294,324, May 24, 1932. Republished Jan. 4. Class 4.

Klavans, Alex L., Brooklyn, N. Y. Nurses' uniforms, maids' uniforms, and aprons. 426,757, Jan. 7, 1947. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 39.

Kline, Fred J., Long Island City, by Acco Products, Inc., Ogdensburg, N. Y. Paper fasteners, folders, desk files, etc. 155,996, June 13, 1922. Republished Jan. 4. Class 37.

Kline, Fred J., Long Island City, by Acco Products, Inc., Ogdensburg, N. Y. Paper fasteners, paper clips, folders, etc. 155,997, June 13, 1922. Republished Jan. 4. Class 37.

Knefler-Bates Company: *See*—
Evans Milling Company.
Knefler-Bates Manufacturing Company.

Knefler-Bates Manufacturing Company, by Knefler-Bates Company, Indianapolis, Ind. Cold-water paste. 224,446, Mar. 1, 1927. Republished Jan. 4. Class 5.

Knight, B. B. & R., by Fruit of the Loom, Inc., Providence, R. I. Cotton piece goods. 124,730, Mar. 11, 1919. Republished Jan. 4. Class 43.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y., by Fruit of the Loom, Inc., Providence, R. I. Pillow cases and sheets. 175,314, Nov. 6, 1923. Republished Jan. 4. Class 42.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y., by Fruit of the Loom, Inc., Providence, R. I. Labels and tags. 194,004, Jan. 13, 1925. Republished Jan. 4. Class 38.

Knight, B. B. & R., Inc., Providence, R. I., and New York, N. Y., by Fruit of the Loom, Inc., Providence, R. I. Bleached cotton piece goods. 222,195, Dec. 28, 1926. Republished Jan. 4. Class 42.

Knight, B. B. & R., Corporation, by Fruit of the Loom, Inc., Providence, R. I. Cloth in the piece. 312,386, Apr. 24, 1934. Republished Jan. 4. Class 42.

Knight Slipper Manufacturing Corporation: *See*—
Knight Slipper Mfg. Corp.

Knight Slipper Manufacturing Corp., by Knight Slipper Manufacturing Corporation, Brooklyn, N. Y. Slippers. 267,493, Feb. 18, 1930. Republished Jan. 4. Class 39.

Knight Slipper Mfg. Corp., New York, by Knight Slipper Manufacturing Corporation, Brooklyn, N. Y. Ladies' slippers. 342,676, Jan. 26, 1937. Republished Jan. 4. Class 39.

Korée, Jean U., New York, N. Y. Medicinal preparation. 441,801, Jan. 4; Serial No. 522,930, published Sept. 28, 1948. Class 6.

Kraft Foods Company: *See*—
Henard Mayonnaise Company.

Kroywen Coats Inc., New York, N. Y. Women's, misses', and junior misses' coats. 505,351, Jan. 4; Serial No. 520,713, published Sept. 7, 1948. Class 39.

Kuhls, H. B. Fred, Brooklyn, N. Y. Cement. 441,795, Jan. 4; Serial No. 521,192, published July 20, 1948. Class 5.

Kurtz Bros., Clearfield, Pa. Pencil tablets, pen tablets, composition books, etc. 505,379, Jan. 4; Serial No. 528,804, published Aug. 24, 1948. Class 37.

Ladew, Edward R., Company, Inc., Glen Cove, N. Y., by Graton & Knight Company, Worcester, Mass. Leather belting. 128,092–3, Dec. 23, 1919. Republished Jan. 4. Class 35.

La Florida, S. A., Barcelona, Spain: Perfumes, lipsticks, rouge, etc. 441,803, Jan. 4; Serial No. 523,898, published Sept. 28, 1948. Class 6.

Lakeside Products: *See*—
Wilbarts, Leland J.

Lake State Products, Inc., Jackson, Mich. Dishwashing machines. 505,367, Jan. 4; Serial No. 527,524, published Sept. 21, 1948. Class 23.

Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South, doing business as Cokesbury Press, to Book Agents of the Methodist Episcopal Church, South, Nashville, Tenn. Printed books. 251,994, renewed Jan. 22, 1949. O. G. Jan. 4. Class 38.

Lander Co. Inc., The, New York, N. Y. Shaving soaps. 441,756, Jan. 4; Serial No. 502,070, published Feb. 25, 1947. Class 4.

Larry's Welding Shop: *See*—
Gehrlein, Lawrence J.

Lavinsky, Moses, Medford, N. J. Piece goods. 426,133, Dec. 17, 1946. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 42.

Lawrie, John, & Sons, Chicago, Ill. Shoe laces. 505,500, Jan. 4; Serial No. 553,287, published Sept. 21, 1948. Class 40.

Leake Chemical Company, Keo, Ark. All-purpose liniment. 505,346, Jan. 4; Serial No. 519,074, published Sept. 28, 1948. Class 6.

Lehigh Foundries, Inc., Easton, Pa. Condensing units used in refrigeration. 505,434, Jan. 4; Serial No. 538,643, published Sept. 21, 1948. Class 31.

Lehn & Fink Products Corporation: *See*—
Gray, Dorothy.

Lektrolite Corporation, New York, N. Y. Cigar, cigarette, and pipe lighters, etc. 441,807, Jan. 4; Serial No. 525,222, published Sept. 28, 1948. Class 8.

Lelong, Lucien, Inc., Chicago, Ill. Face powder. 505,389, Jan. 4; Serial No. 530,213, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, toilet waters, etc. 505,390, Jan. 4; Serial No. 530,219, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Foundation make-up preparations. 505,391, Jan. 4; Serial No. 530,222, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Rouge and lipstick. 505,392, Jan. 4; Serial No. 530,223, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, toilet waters, etc. 505,393, Jan. 4; Serial No. 530,225, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Rouges, dusting powders, sachet powders, etc. 505,405, Jan. 4; Serial No. 534,158, published Sept. 28, 1948. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, toilet waters, etc. 505,406, Jan. 4; Serial No. 534,159, published Sept. 28, 1948. Class 6.

Leonardo Furniture Co. Incorporated, New York, N. Y. Living room, dining room, and bedroom furniture. 424,896, Oct. 29, 1946. Republished Jan. 4. Class 32.

Le Tourneau, R. G., Inc., Peoria, Ill. Trailer trucks and self-propelled load hauling trucks. 441,774, Jan. 4; Serial No. 511,688, published Sept. 7, 1948. Class 19.

Levine & Smith, Inc., New York, N. Y. Ladies' apparel. 505,518, Jan. 4; Serial No. 505,307. Class 39.

Lincoln Engineering Company, St. Louis, Mo. Portable lubricant-dispensing apparatus. 505,332, Jan. 4; Serial No. 506,325, published Sept. 21, 1948. Class 23.

List, B. F., Exeter, Calif. Fresh grapes, fresh plums, fresh peaches, fresh lemons, etc. 229,081, June 21, 1927. Republished Jan. 4. Class 46.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. 505,862, Jan. 4; Serial No. 526,986, published Aug. 31, 1948. Class 19.

Loewenstein, Max, by Magic Polish Co., Inc., New York, N. Y. Metal-polish. 69,229, May 26, 1908. Republished Jan. 4. Class 4.

Lowenberg Bakery, by Lowenberg Bakery, Inc., Ottumwa, Iowa. Bakery products. 269,543, Apr. 8, 1930. Republished Jan. 4. Class 46.

Lowenberg Bakery, Inc.: *See*—
Lowenberg Bakery.

Lubec Sardine Co., Lubec and Belfast, Maine, by Booth Fisheries Corporation, Chicago, Ill. Canned sardines. 124,462, Feb. 18, 1919. Republished Jan. 4. Class 46.

Luxana, S. A., Barcelona, Spain. Perfumes and eaux de cologne. 441,789, Jan. 4; Serial No. 519,588, published Sept. 28, 1948. Class 6.

Magic Polish Co., Inc.: *See*—
Loewenstein, Max.

Major Manufacturing Co., New York, N. Y., to Plough, Inc., Memphis, Tenn. Adhesive cement. 253,384, renewed Feb. 26, 1949. O. G. Jan. 4. Class 5.

Mallinckrodt Chemical Works, St. Louis, Mo. Masking solution. 505,357, Jan. 4; Serial No. 523,403, published Aug. 31, 1948. Class 6.

Malmstrom, Ivar W., doing business as N. I. Malmstrom & Company, Brooklyn, N. Y. Anhydrous lanolin, technical lanolin, etc. 441,778, Jan. 4; Serial No. 513,435, published Sept. 28, 1948. Class 6.

Malmstrom, N. I., & Company: *See*—
Malmstrom, Ivar W.

Marcalus Manufacturing Co. Inc., East Paterson, N. J. Paper tissues in rolls, strips, and sheets, etc. 505,328, Jan. 4; Serial No. 491,663, published Sept. 7, 1948. Class 37.

March Corporation, assignor to Imperial Litemaster Distributors, Inc., Chicago, Ill. Smoking pipes. 441,755, Jan. 4; Serial No. 501,994, published Dec. 21, 1946. Class 8.

Marquis, A. N., Company, The, Chicago, Ill. Publications. 378,389, June 11, 1940. Republished Jan. 4. Class 38.

Marquis, A. N., Company, The, Chicago, Ill. Publications. 378,391–2, June 11, 1940. Republished Jan. 4. Class 38.

Marshall Field & Company, to Rainbow Shops, Inc., Brooklyn, N. Y. Muslin, cambric, nainsook, and long cloth. 159,720, Oct. 3, 1922. New certificate. O. G. Jan. 4. Class 42.

Marshall Field & Company, Chicago, Ill. Electrically heated blankets. 434,737, Dec. 2, 1947. Republished Jan. 4. Class 21.

Marshall Field & Company, Chicago, Ill. Bath and hand towels, wash cloths, and bath mats. 505,488, Jan. 4; Serial No. 549,536, published Sept. 14, 1948. Class 42.

Martell & Co., Cognac, France, by J. & F. Martell, Inc., New York, N. Y. Brandy. 328,095, Sept. 17, 1935. Republished Jan. 4. Class 49.

Martell, J. & F., Inc.: *See*—
Martell & Co.

Martin Stamping & Stove Company, Huntsville, Ala. Heating and cooking stoves. 505,469, Jan. 4; Serial No. 544,173, published Sept. 21, 1948. Class 34.

Marvin, W. B., Manufacturing Co., The, Urbana, Ohio. Louver window ventilators. 363,546, Jan. 3, 1939. Republished Jan. 4. Class 34.

Marvin, W. H., Company, The, Urbana, Ohio. Dried currants and mincemeat. 250,086, Nov. 27, 1928. Republished Jan. 4. Class 46.

Masland, C. H., & Sons, Carlisle, Pa. Sportswear. 434,318, Nov. 18, 1947. Republished Jan. 4. Class 39.

Massin, Seymour, Inc., New York, N. Y. Cotton, rayon, nylon, and silk piece goods. 434,586, Nov. 25, 1947. Republished Jan. 4. Class 42.

Matthews, W. N., Corporation, St. Louis, Mo. Electric switches and fuses. 505,365, Jan. 4; Serial No. 527,213, published Sept. 21, 1948. Class 21.

Maupai, Eugene L., by F. P. Maupai Dyeing Company, Inc., West New York, N. J. All-silk piece goods. 222,614, Jan. 4, 1927. Republished Jan. 4. Class 42.

Maupai, F. P., Dyeing Company, Inc.: *See*—
Maupai, Eugene L.

McGovern & McGovern: *See*—
Monitor Fisheries, Inc.

Menley & James, Limited, New York, N. Y., by Ames Company, Inc., Elkhart, Ind. Solution to be used as a test for urine. 252,606, Feb. 12, 1929. Republished Jan. 4. Class 6.

Merkin, M. J., Paint Co., Inc., New York, N. Y. White paint in liquid form. 505,436, Jan. 4; Serial No. 539,068, published Sept. 14, 1948. Class 16.

Merrill and McKinney, Indianapolis, Ind. Bicycle drawn carts. 441,784, Jan. 4; Serial No. 517,580, published Aug. 24, 1948. Class 19.

Metke, John G., doing business as Queen City Specialty Co., Buffalo, N. Y. Nonalcoholic, noncereal, maltless beverages. 249,801, renewed Nov. 20, 1948. O. G. Jan. 4. Class 45.

Metro Hosiery Co., Inc., New York, N. Y. Hosiery. 299,925, Dec. 27, 1932. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 39.

Mexico Refractories Company, Mexico, Mo. Plastic firebrick. 505,454, Jan. 4; Serial No. 541,857, published Aug. 31, 1948. Class 12.

Meyers, Louis, & Son, to Louis Meyers & Son, Inc., New York, N. Y. Leather gloves, gauntlets, and mittens. 71,306, re-renewed Nov. 17, 1948. O. G. Jan. 4. Class 39.

Meyers, Louis, & Son, Inc.: *See*—
Meyers, Louis, & Son.

Meyers, Louis, & Son, Inc., New York, N. Y. Ladies' gloves. 505,547, Jan. 4; Serial No. 535,062. Class 39.

Michigan Tank & Furnace Corporation, Dearborn, Mich. Furnaces and water heaters. 505,470, Jan. 4; Serial No. 544,178, published Sept. 21, 1948. Class 34.

Middletown Rubber Corporation, Middletown, Conn. Polyvinyl resin sheets. 441,750, Jan. 4; Serial No. 497,948, published Sept. 28, 1948. Class 1.

Midland Flour Milling Co., The: *See*—
Newton Milling & Elevator Company, The.

Miles, Dr., Medical Company, by Ames Company, Inc., Elkhart, Ind. Nerve sedative. 255,380, Apr. 23, 1929. Republished Jan. 4. Class 6.

Milwaukee-Waukesha Brewing Company, Milwaukee, by Fox Head Brewing Co., Waukesha, Wis. Ginger-ale and mineral water. 86,146, Apr. 16, 1912. Republished Jan. 4. Class 45.

Milwaukee-Waukesha Brewing Company, Milwaukee, by Fox Head Brewing Co., Waukesha, Wis. Lager-beer, ale, stout, etc. 95,334, Feb. 10, 1914. Republished Jan. 4. Class 48.

Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Agricultural machinery. 505,375, Jan. 4; Serial No. 528,361, published Sept. 14, 1948. Class 23.

Minnesota Mining & Manufacturing Company, St. Paul, Minn. Rust, corrosion, and abrasive resistant rubberised coating material, in sprayable form. 441,797, Jan. 4; Serial No. 521,356, published Sept. 14, 1948. Class 16.

Mission Hosiery Mills, Los Angeles, Calif. Ladies' shoes. 318,086, Oct. 16, 1934. Republished Jan. 4. Class 39.

Mittelmark, Nathan, doing business as Sari Juniors, New York, N. Y. Women's and children's dresses. 505,535, Jan. 4; Serial No. 522,737. Class 39.

Mojonnier, Frederick E., doing business as Walla Walla Hothouse Vegetable Co., by Mojonnier & Sons, Inc., Walla Walla, Wash. Fresh tomatoes. 168,105, May 15, 1923. Republished Jan. 4. Class 46.

Mojonnier, Frederick E., doing business as Walla Walla Hothouse Vegetable Co., by Mojonnier & Sons, Inc., Walla Walla, Wash. Fresh vegetables, fresh fruits, fresh berries. 252,327, Feb. 5, 1929. Republished Jan. 4. Class 46.

Mojonnier & Sons, Inc.: *See*—
Mojonnier, Frederick E.

Monarch Leather Company, Chicago, Ill. Leather. 505,338, Jan. 4; Serial No. 513,444, published Sept. 28, 1948. Class 1.

Monitor Fisheries, Inc., doing business as McGovern & McGovern, Seattle, Wash. Canned salmon. 505,403, Jan. 4; Serial No. 533,347, published Aug. 31, 1948. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Textile fabrics. 505,349–50, Jan. 4; Serial Nos. 520,051–2, published Sept. 14, 1948. Class 42.

Montserrat Company Limited, The: *See*—
Evans Sons Lescher & Webb Limited.

Morley, I. & R., Limited, London, England. Hosiery, and men's, women's, and children's underwear. 356,451, Apr. 26, 1938. Republished Jan. 4. Class 39.

Morley, I. & R., Limited, London, England. Leather gloves, men's and boys' outer shirts and undershirts, etc. 367,059, May 9, 1939. Republished Jan. 4. Class 39.

Morley, I. & R., Limited, London, England. Hosiery, underwear, leather gloves, etc. 376,592, Apr. 2, 1940. Republished Jan. 4. Class 39.

Morris, Philip, & Co. Ltd., Incorporated, New York, N. Y. Smoking tobacco. 505,451, Jan. 4; Serial No. 541,693, published Sept. 28, 1948. Class 17.

Mossberg, O. F., & Sons, Inc., New Haven, Conn. Target throwing devices. 382,319, Oct. 22, 1940. Republished Jan. 4. Class 22.

Mossberg, O. F., & Sons, Inc., New Haven, Conn. Targets and clay pigeons. 383,234, Nov. 26, 1940. Republished Jan. 4. Class 22.

Mossberg, O. F., & Sons, Inc., New Haven, Conn. Trapshooting game. 384,990, Feb. 11, 1941. Republished Jan. 4. Class 22.

Mount Airy Knitting Company, The, Mount Airy, N. C. Infants' and children's clothing. 505,340, Jan. 4; Serial No. 514,127, published Sept. 7, 1948. Class 39.

N. R. K. Mfg. & Engineering Co., assignor to N. R. K. Mfg. & Engineering Co., Chicago, Ill. Hand-operated plastic injection molding machines. 441,779, Jan. 4; Serial No. 514,132, published Sept. 7, 1948. Class 23.

Napa Valley Grape Products, Inc.: *See*—
San Gabriel Wine Co., Inc.

Nash, Incorporated, Jersey City, N. J. Billfolds, pocket books, purses, and wallets. 434,456, Nov. 18, 1947. Republished Jan. 4. Class 3.

National Blank Book Company: *See*—
Kiggins & Tooker Co.
National Blank Book Co.

National Blank Book Co., by National Blank Book Company, Holyoke, Mass. Blank books and writing paper. 45,602, Aug. 22, 1905. Republished Jan. 4. Class 37.

National Blank Book Co., by National Blank Book Company, Holyoke, Mass. Loose leaf sheets. 182,315, Apr. 8, 1924. Republished Jan. 4. Class 3.

National Carbon Company, Inc., New York, N. Y. Liquid compounds for the prevention of freezing and boiling of water, etc. 250,842, Dec. 11, 1928. Canceled Nov. 29, 1948. O. G. Jan. 4. Class 6.

National Cylinder Gas Company, Chicago, Ill. Compressed gases. 401,145, Apr. 27, 1943. Republished Jan. 4. Class 6.

National Cylinder Gas Company, Chicago, Ill. Alternating current electric welding apparatus and direct current welding apparatus. 401,176, Apr. 27, 1943. Republished Jan. 4. Class 21.

National Cylinder Gas Company, Chicago, Ill. Machines for controlling the operation of gas torches in the cutting of metals. 406,411, Apr. 4, 1944. Republished Jan. 4. Class 34.

National Cylinder Gas Company, Chicago, Ill. Gas pressure regulators. 410,773, Dec. 19, 1944. Republished Jan. 4. Class 13.

National Key Shops, Inc.: *See*—
Atlas Key Co.

National Licorice Company, Brooklyn, N. Y., and Philadelphia, Pa. Licorice confectionery. 246,279, Sept. 4, 1928. Republished Jan. 4. Class 46.

National Vulcanized Fibre Co.: *See*—
American Vulcanized Fibre Co.
Rogers Fibre Company.

National Vulcanized Fibre Co., Wilmington, Del. Laminated fabricated material for electrical insulation. 210,431, Mar. 16, 1926. Republished Jan. 4. Class 21.

National Vulcanized Fibre Co., Wilmington, Del. Bib and faucet washers. 234,894, Nov. 8, 1927. Republished Jan. 4. Class 35.

Neenah Paper Company, Neenah, Wis. Ledger-paper. 118,213, Aug. 21, 1917. Republished Jan. 4. Class 37.

Nethercutt, Jack B., doing business as Nethercutt Laboratories, Santa Monica, Calif. Perfume. 441,772, Jan. 4; Serial No. 510,856, published Sept. 28, 1948. Class 6.

Nethercutt Laboratories: *See*—
Nethercutt, Jack B.

New England Confectionery Company: *See*—
New England Confectionery Co.

New England Confectionery Co., Boston, to New England Confectionery Company, Cambridge, Mass. Candy lozenges. 72,494–5, re-renewed Jan. 26, 1949. O. G. Jan. 4. Class 46.

New Orleans Acid & Fertilizer Company, near Guttenberg, and West New York, N. J., to The Davison Chemical Corporation, Baltimore, Md. Fertilizers. 73,337, re-renewed Apr. 13, 1949. O. G. Jan. 4. Class 10.

Newport Industries, Inc., Pensacola, Fla. Zinc-treated rosin solutions in petroleum solvents. 372,835, Nov. 14, 1939. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Solid zinc-treated rosin. 372,836–7, Nov. 14, 1939. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Solid lime-treated pale rosin. 372,838, Nov. 14, 1939. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Heat-treated "X" grade wood rosin. 372,839, Nov. 14, 1939. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Emulsifiable pine oil. 373,905, Dec. 26, 1939. Republished Jan. 4. Class 6.

Newport Industries, Inc., Pensacola, Fla. Zinc-treated rosin solution in petroleum solvent. 374,710, Jan. 23, 1940. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Solid zinc-treated gosin. 402,506, July 27, 1943. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Polymerized or partially polymerized rosin. 402,525, July 27, 1943. Republished Jan. 4. Class 1.

Newport Industries, Inc., Pensacola, Fla. Drying oil substitutes for paints and varnishes. 402,941, Aug. 24, 1943. Republished Jan. 4. Class 16.

Newport Industries, Inc., Pensacola, Fla. Resin for use in a tackifier, plasticizer, etc. 407,882, July 4, 1944. Republished Jan. 4. Class 6.

Newton Milling & Elevator Company, The, Newton, Kans., by The Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 58,197, Dec. 11, 1906. Republished Jan. 4. Class 46.

New York Knitting Mills, New York, N. Y. Knitted outer wear. 324,120, May 14, 1935. Republished Jan. 4. Class 39.

New York Knitting Mills, New York, N. Y. Knitted sweaters and coat sweaters. 327,474, Aug. 27, 1935. Republished Jan. 4. Class 39.

New York Knitting Mills, New York, N. Y. Knitted sweaters, knitted skirts, ladies' knitted dresses and suits. 417,222, Oct. 16, 1945. Republished Jan. 4. Class 39.

New York Leather Belting Co., New York, N. Y., by Graton & Knight Company, Worcester, Mass. Leather belting. 46,468, Sept. 19, 1905. Republished Jan. 4. Class 35.

New York Lubricating Oil Company: *See*—
Penhard Oil Corporation.

Nixon, George C., doing business as The Steel Treating Equipment Co., Dearborn, Mich. Grain cement. 441,764, Jan. 4; Serial No. 509,025, published Sept. 7, 1948. Class 5.

Norfolk and Western Railway Company, Roanoke, Va. Service of railroad transportation of passengers and freight. 505,511, Jan. 4; Serial No. 531,704, published Sept. 21, 1948. Class 55.

Normal'ine Maternity Dress Company: *See*—
Deichert, Herb L.

Normany Products Company, by R. H. Cromwell, Jr., Los Angeles, Calif. Hair salves, hair elixirs, dandruff preparations, etc. 292,873, Mar. 29, 1932. Republished Jan. 4. Class 6.

North & Judd Manufacturing Company, New Britain, Conn. Harness snaps, and snap hooks for harnesses. 505,381, Jan. 4; Serial No. 528,942, published Sept. 21, 1948. Class 3.

North Dakota Mill & Elevator: *See*—
North Dakota Mill & Elevator Association.

North Dakota Mill and Elevator Association, doing business as North Dakota Mill and Elevator, and State Mill and Elevator, Grand Forks, N. Dak. Wheat products. 193,246, Dec. 23, 1924. Republished Jan. 4. Class 46.

North Dakota Mill and Elevator Association, doing business as North Dakota Mill and Elevator, and State Mill and Elevator, Grand Forks, N. Dak. Granular wheat flour. 194,010, Jan. 13, 1925. Republished Jan. 4. Class 46.

North Dakota Mill and Elevator Association, doing business under the name of North Dakota Mill and Elevator, and State Mill and Elevator, Grand Forks, N. Dak. Feeds. 280,442, Feb. 17, 1931. Republished Jan. 4. Class 46.

North Dakota Mill & Elevator Association, doing business as North Dakota Mill & Elevator, and State Mill & Elevator, Grand Forks, N. Dak. Wheat flour. 419,074, Feb. 5, 1946. Republished Jan. 4. Class 46.

Nu-Enamel Corporation: *See*—
Star-Brite Paint Co.

Nunnally Company, The, Atlanta, by Fine Products Corporation, Augusta, Ga. Candies. 180,887, Mar. 11, 1924. Republished Jan. 4. Class 46.

Nunnally Company, The, Atlanta, Ga., by Fine Products Corporation, doing business as Nunnally's, Augusta, Ga. Candy. 369,233, July 18, 1939. Republished Jan. 4. Class 46.

Nunnally's: *See*—
Nunnally Company, The.

Nurserymen's Exchange: *See*—
Pearlstein, Carl.

Nye-Walt Company, Inc., Auburn, N. Y. Rugs and carpets. 434,611, Nov. 25, 1947. Republished Jan. 4. Class 42.

Odora Company, Inc., New York, N. Y. Paperboard or corrugated pasteboard cabinets, paper garment bags, and cardboard storage chests. 505,420, Jan. 4; Serial No. 537,072, published Sept. 21, 1948. Class 2.

Old Baldy Citrus Association, Upland, Calif. Fresh citrus fruit. 137,843, Dec. 7, 1920. Republished Jan. 4. Class 46.

Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruit. 364,518, Feb. 7, 1939. Republished Jan. 4. Class 46.

Olive Heights Citrus Association, Olive, Calif. Fresh citrus fruits. 392,251, Dec. 16, 1941. Republished Jan. 4. Class 46.

Oliver, James, Atlantic City, N. J. Men's and women's underwear, socks, and stockings. 505,531, Jan. 4; Serial No. 516,162. Class 39.

Olson, Samuel, Manufacturing Company, Inc., Chicago, Ill. Vertical and horizontal conveying machinery. 328,933, Oct. 8, 1935. Republished Jan. 4. Class 23.

Onondaga Silk Co., Inc., Syracuse and New York, to Onondaga Silk Co., Inc., New York, N. Y. Silk fabrics in the piece. 249,979, renewed Nov. 27, 1948. O. G. Jan. 4. Class 42.

Pacific Soap Company, Los Angeles, Calif. Washing powder. 441,802, Jan. 4; Serial No. 523,187, published Sept. 28, 1948. Class 4.

Panhard Oil Corporation, by Panhard Oil Corporation, New York, N. Y., assignor to New York Lubricating Oil Company, Lubricating greases and lubricating oils. 257,541, June 11, 1929. Republished Jan. 4. Class 15.

Paradize Products Corporation, Fairview, N. J. Chemical mixture. 505,490–1, Jan. 4; Serial Nos. 549,746–7, published Sept. 28, 1948. Class 6.

Parke, Davis & Company: *See*—
Bay Company, The.

Pascal, P., Inc., New York, N. Y. Coffee. 334,863, May 19, 1936. Republished Jan. 4. Class 46.

Patek and Co., San Francisco, Calif. Liquid compound. 441,761, Jan. 4; Serial No. 505,915, published Sept. 28, 1948. Class 6.

Payne, Clarence E., doing business as Dyacol Products Laboratory, San Francisco, Calif. Photographic chemicals. 505,501, Jan. 4; Serial No. 555,009, published Sept. 28, 1948. Class 6.

Pearlstein, Carl, doing business as Nurserymen's Exchange, San Francisco, Calif. Flower bulbs, seed, and plants. 505,551, Jan. 4; Serial No. 536,832. Class 1.

Penn Metal Company, Boston, Mass. Metal shingles, metal laths, etc. 305,044, July 25, 1933. Canceled Nov. 19, 1948. O. G. Jan. 4. Class 12.

Pennzoil Company, The, Oil City, Pa. Lubricating oils and greases. 254,976, renewed Apr. 2, 1949. O. G. Jan. 4. Class 15.

Perfection Mattress & Spring Company, The, Birmingham, Ala. Mattresses. 133,487, July 27, 1920. Republished Jan. 4. Class 32.

Perfection Mattress and Spring Company, Birmingham, Ala. Bed springs. 212,699, May 11, 1926. Republished Jan. 4. Class 32.

Perfection Mattress & Spring Company, Birmingham, Ala. Mattress. 360,381, Sept. 13, 1938. Republished Jan. 4. Class 32.

Peril Straits Packing Co., by San Juan Fishing & Packing Company, Seattle, Wash. Canned salmon. 327,007, Aug. 13, 1935. Republished Jan. 4. Class 46.

Perr, Sherman, Newark, N. J. Shaving soaps, shaving creams, and toilet soaps. 441,763, Jan. 4; Serial No. 508,002, published July 8, 1947. Class 4.

Phillips-Jones Corporation, New York, N. Y. Men's collars and dress and negligee shirts. 248,045, renewed Oct. 16, 1948. O. G. Jan. 4. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's underwear. 251,050, renewed Dec. 25, 1948. O. G. Jan. 4. Class 39.

Pick Manufacturing Company, West Bend, Wis. Automobile brake shoes, shock absorbers, and caps for automobile hubs, etc. 505,460, Jan. 4; Serial No. 542,648, published Aug. 24, 1948. Class 19.

Picker X-Ray Corporation, New York, N. Y. Aprons, gloves and sheets of lead-bearing rubber, natural or synthetic. 409,813, Oct. 24, 1944. Republished Jan. 4. Class 44.

Picker X-Ray Corporation, New York, N. Y. Replenisher for developer for X-ray film. 416,742, Sept. 25, 1945. Republished Jan. 4. Class 6.

Picker X-Ray Corporation, New York, N. Y. Fixer for X-ray films. 419,111, Feb. 5, 1946. Republished Jan. 4. Class 6.

Pickwick Products, Inc.: *See*—
Kansas City Wholesale Grocery Co.

Pilgrim Sportswear, Inc., New York, N. Y. Infants' and children's shirts, and polo shirts. 505,527, Jan. 4; Serial No. 514,907. Class 39.

Pillsbury Flour Mills Company, by Pillsbury Mills Inc., Minneapolis, Minn. Wheat flour. 378,235, June 4, 1940. Republished Jan. 4. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Rye flour. 389,926, Aug. 26, 1941. Republished Jan. 4. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 390,148, Sept. 9, 1941. Republished Jan. 4. Class 46.

Pillsbury Flour Mills Company, by Pillsbury Mills Inc., Minneapolis, Minn. Rye flour and wheat flour mixture. 402,416, July 20, 1943. Republished Jan. 4. Class 46.

Pillsbury Mills Inc.: *See*—
Pillsbury Flour Mills Company.

Plough, Inc.: *See*—
Major Manufacturing Co.

Plyak Boat Company: *See*—
Zavadil, George.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Garment bags, laundry bags, shopping bags, etc. 505,521, Jan. 4; Serial No. 509,446. Class 2.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Garment bags, laundry and shoe bags. 505,522, Jan. 4; Serial No. 509,453. Class 2.

Pollack, Augustus: *See*—
Hazlett, Howard, administrator of the estate of.

Pollack, Augustus, Incorporated: *See*—
Hazlett, Howard, administrator of.

Poor & Company, Chicago, Ill. Compositions in the nature of electrolytes and addition agents. 505,483, Jan. 4; Serial No. 547,148, published Sept. 28, 1948. Class 6.

Pootatuck Corporation, The, Stratford, Conn. Cutter for cutting miters in wood. 441,770, Jan. 4; Serial No. 510,274, published Sept. 21, 1948. Class 23.

Postal Finance Company, Sioux City, Iowa. Personal loans and installment financing. 505,512, Jan. 4; Serial No. 535,259, published Sept. 21, 1948. Class 55.

Potter, Charles W., Syracuse N. Y. Hydrocarbon and manufactured fuel gas. 505,334, Jan. 4; Serial No. 507,417, published Sept. 28, 1948. Class 6.

Practical Methods for Industry, Inc., New York, N. Y. Bimonthly publication. 431,822, Aug. 12, 1947. Republished Jan. 4. Class 38.

Premold Products Inc., West Springfield, Mass. Rubber 255,362, renewed Apr. 23, 1949. O. G. Jan. 4. Class 50.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Molded plastic bottles. 441,748, Jan. 4; Serial No. 493,622, published Feb. 4, 1947. Class 2.

Prudential Paper Products Company, by Prudential Paper Products Co. Inc., New York, N. Y. Stationery. 404,490, Nov. 30, 1943. Republished Jan. 4. Class 37.

Prudential Paper Products Company, by Prudential Paper Products Co. Inc., New York, N. Y. Writing paper, tablets, envelopes, etc. 416,488, Sept. 18, 1945. Republished Jan. 4. Class 37.

Prudential Paper Products Co. Inc.: *See*—
Prudential Paper Products Company.

Publicker Inc., by Publicker Industries Inc., Philadelphia, Pa. Alcohol preparation. 228,384, May 31, 1927. Republished Jan. 4. Class 6.

Publicker Industries Inc.: *See*—
Publicker Inc.

Putman, Charles E., doing business as Colonial Cedar Company, Seattle, Wash. Wood, slate, composition, and paper shingles. 255,478, Apr. 23, 1929. Republished Jan. 4. Class 12.

Putman, Charles E., doing business as Colonial Cedar Company, Seattle, Wash. Wooden shingles. 265,538–9, Dec. 31, 1929. Republished Jan. 4. Class 12.

Pyramid Manufacturing Co., Inc., New York, N. Y. Knitted trimmings. 381,817, Oct. 8, 1940. Republished Jan. 4. Class 39.

Quaker Hosiery Company, Inc., to Quaker Lace Company, Philadelphia, Pa. Hosiery. 246,639, renewed Sept. 11, 1948. O. G. Jan. 4. Class 39.

Quaker Lace Company: *See*—
Quaker Hosiery Company, Inc.

Quebec Fur Breeders Cooperative Association, Quebec, Canada. Fur skins or pelts. 441,767, Jan. 4; Serial No. 509,470, published Sept. 28, 1948. Class 1.

Queen City Specialty Co.: *See*—
Metke, John G.

Rainbow Shops, Inc.: *See*—
Marshall Field & Company.

Ramier, Société à Responsabilité Limitée, Paris, France. Perfumes, toilet waters, colognes, etc. 441,800, Jan. 4; Serial No. 522,927, published Sept. 28, 1948. Class 6.

Rand Kardex Service Corporation, Tonawanda and New York, N. Y., assignor to Remington Rand Service Corporation, to Remington Rand Inc., New York, N. Y. Blank and partially-printed cards and forms for indexes, etc. 247,084, renewed Sept. 18, 1948. O. G. Jan. 4. Class 37.

Raven, W., & Co. Limited, Leicester, England. Men's half-hose. 505,424, Jan. 4; Serial No. 537,504, published Sept. 7, 1948. Class 39.

Raven Red Ash Coal Co., Inc., Beckley, W. Va. Coal. 505,457, Jan. 4; Serial No. 542,354, published Sept. 28, 1948. Class 1.

Regal Knitwear Co., Inc., New York, N. Y. Boys' knit sweaters, knit panty suits, etc. 421,662, June 4, 1946. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 39.

Reins, Ted: *See*—
Reins, Theodore.

Reins, Theodore, doing business as Ted Reins, Payette, Idaho. Fresh apples. 505,398, Jan. 4; Serial No. 531,245, published Sept. 21, 1948. Class 46.

Remington Rand Business Service Corporation: *See*—
Rand Kardex Service Corporation.

Remington Rand Inc.: *See*—
Rand Kardex Service Corporation.

Renaudt & Sons, L. N., Inc., Egg Harbor City, N. J. General tonic. 249,037, renewed Nov. 6, 1948. O. G. Jan. 4. Class 6.

Rhoads, J. E., & Sons, Philadelphia, Pa. Flat leather belting. 505,422, Jan. 4; Serial No. 537,242, published Sept. 28, 1948. Class 35.

Rhodes, James H., & Company, Chicago, Ill. Steel wool, pumice and other polishing stones, etc. 505,327, Jan. 4; Serial No. 490,909, published Sept. 28, 1948. Class 4.

Richmond Rubber Co., Inc., Richmond, Va. Pneumatic tires and inner tubes. 505,468, Jan. 4; Serial No. 543,989, published Sept. 28, 1948. Class 35.

Rider Packing Co. Inc., The, Crothersville, by Vincennes Packing Corporation, Vincennes, Ind. Canned tomatoes, hominy, sauerkraut, etc. 101,421, Dec. 8, 1914. Republished Jan. 4. Class 46.

Robinson & Cleaver Limited, London, England. Linen and hemp piece goods. 441,808, Jan. 4; Serial No. 525,407, published Sept. 14, 1948. Class 42.

Roche Fruit and Produce Co., The: *See*—
Roche, William E.

Roche, W. E., Fruit Company: *See*—
Roche, William E.

Roche, William E., doing business as The Roche Fruit and Produce Co., by W. E. Roche Fruit Company, Yakima, Wash. Fresh apples. 173,329, Sept. 25, 1923. Republished Jan. 4. Class 46.

Rockland Chemical Co., to Rockland Chemical Co., Newark, N. J. Disinfectants. 246,734, renewed Sept. 11, 1948. O. G. Jan. 4. Class 6.

Rockwell Manufacturing Company, Pittsburgh, Pa. Stick glue. 505,409, Jan. 4; Serial No. 534,354, published Sept. 21, 1948. Class 6.

Roebling's, John A., Sons Company, Trenton, N. J. Wire rope, cable and cord. 505,472, Jan. 4; Serial No. 544,286, published Sept. 28, 1948. Class 7.

Rogers Fibre Company, Kennebunk, Maine, by National Vulcanized Fibre Co., Wilmington, Del. Boxes, trucks, cans, barrels, etc. 237,231, Jan. 3, 1928. Republished Jan. 4. Classes 2 and 19.

Rohloff Manufacturing Company, Toledo, Ohio. Chemical preparation. 505,363, Jan. 4; Serial No. 526,974, published Sept. 28, 1948. Class 6.

Ronson Art Metal Works, Inc., Newark, N. J. Flints. 505,333, Jan. 4; Serial No. 506,962, published Sept. 28, 1948. Class 8.

Rosenfeld, E., & Co., Baltimore, Md., by Wilson Brothers, Chicago, Ill. Nightrobes, pajamas, overshirts, etc. 72,574, Feb. 2, 1909. Republished Jan. 4. Class 39.

Rosenholz, J., Inc., New York, N. Y. Rayon piece goods, cotton piece goods and combinations of the same. 505,452, Jan. 4; Serial No. 541,727, published Sept. 14, 1948. Class 42.

Rosenholz, J., Inc., New York, N. Y. Piece goods. 505,453, Jan. 4; Serial No. 541,747, published Sept. 14, 1948. Class 42.

Roth, Ernst Heinrich, Co., Inc., New York, N. Y., by Shèrl & Roth, Inc., Cleveland, Ohio. Violins, violas, violoncellos, etc. 191,316, Nov. 4, 1924. Republished Jan. 4. Class 36.

Roth, Ernst Heinrich, Co. Inc., New York, N. Y. Violins, violas, violoncellos and bass violas, etc. 314,974, July 17, 1934. Republished Jan. 4. Class 36.

Rothschild & Sons, Incorporated, Kansas City, Mo. Pajamas and underwear. 248,081, renewed Oct. 16, 1948. O. G. Jan. 4. Class 39.

Roxana Petroleum Corporation, St. Louis, Mo., to Shell Oil Company, Incorporated, San Francisco, Calif. Gas in portable tanks. 253,361, renewed Feb. 26, 1949. O. G. Jan. 4. Class 6.

Royal Dalton, Ltd., St. Louis, Mo. Reticules or utility bags. 441,768, Jan. 4; Serial No. 509,603, published Sept. 14, 1948. Class 3.

Royal Drug Company, by Consolidated Royal Chemical Corporation, Chicago, Ill. Cleansing cream. 341,426, Dec. 8, 1936. Republished Jan. 4. Class 6.

Ruberoid Co., The: *See*—
Sherriff-Goslin Co.

Sachs, Morris B., by Morris B. Sachs, Inc., Chicago, Ill. Men's and boys' suits and overcoats and ladies' coats, etc. 402,241, July 13, 1948. Republished Jan. 4. Class 39.

Sachs, Morris B., Inc.: *See*—
Sachs, Morris B.

Salant & Salant, Inc., New York, N. Y. Men's and boys' cotton pants. 506,546, Jan. 4; Serial No. 534,197. Class 39.

Salem Products Corp., New York, N. Y. Shoulder pads in the nature of garment findings. 441,798, Jan. 4; Serial No. 522,354, published Sept. 21, 1948. Class 40.

Salinas Valley Vegetable Exchange, Salinas, Calif. Fresh vegetables. 393,155, Jan. 27, 1942. Republished Jan. 4. Class 46.

Sandos Chemical Works, Inc., New York, N. Y. Medicinal preparation. 506,446, Jan. 4; Serial No. 540,721, published Sept. 28, 1948. Class 6.

San Gabriel Wine Co., Inc., by Napa Valley Grape Products, Inc., New York, N. Y. Wines. 376,017, Mar. 12, 1940. Republished Jan. 4. Class 47.

San Juan Fishing & Packing Company: *See*—
Kelley-Clarke Co.
Peril Straights Packing Co.
San Juan Fishing & Packing Co.

San Juan Fishing & Packing Co., by San Juan Fishing & Packing Company, Seattle, Wash. Canned salmon. 98,012, June 30, 1914. Republished Jan. 4. Class 46.

San Juan Fishing & Packing Co., Seattle, Wash. Canned salmon. 238,614, Feb. 14, 1928. Republished Jan. 4. Class 46.

Sari Juniors: *See*—
Mittelmark, Nathan.

Sawyer-Hare Furnace Company, Detroit, Mich. Overhead oil fired furnace. 399,835, Feb. 2, 1943. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 34.

Schalet-Pollack Corporation, New York, N. Y. Buttons, hand needles and trimmings. 441,746, Jan. 4; Serial No. 491,367, published Sept. 21, 1948. Class 40.

Schenley Distilleries, Inc., by Schenley Distillers Corporation, New York, N. Y. Distillers' dried grains. 410,640, Dec. 5, 1944. Republished Jan. 4. Class 46.

Schenley Distillers Corporation: *See*—
Schenley Distributors, Inc.

Schenley Distributors, Inc., by Schenley Distillers Corporation, New York, N. Y. Whiskey. 343,353, Feb. 16, 1937. Republished Jan. 4. Class 49.

Scherer Leather Company, Milwaukee, Wis., by Graton & Knight Company, Worcester, Mass. Leather. 305,353, Aug. 15, 1933. Republished Jan. 4. Class 1.

Scherer Leather Company, Milwaukee, Wis., by Graton & Knight Company, Worcester, Mass. Leather. 308,587, Dec. 12, 1933. Republished Jan. 4. Class 1.

Scherer Leather Company, Milwaukee, Wis., by Graton & Knight Company, Worcester, Mass. Leather. 315,792, Aug. 7, 1934. Republished Jan. 4. Class 1.

Scherer Leather Company, Cudahy, Wis., by Graton & Knight Company, Worcester, Mass. Tanned calf skins. 342,088, Jan. 5, 1937. Republished Jan. 4. Class 1.

Scherl & Roth, Inc.: *See*—
Roth, Ernst Heinrich, Co., Inc.

Scherrer, E. C., Inc., New York, N. Y. Synthetic braids. 505,475, Jan. 4; Serial No. 545,284, published Sept. 21, 1948. Class 40.

Schlesinger Bottling Works: *See*—
Schlesinger, Richard M.

Schlesinger, Herman J.: *See*—
Schlesinger, Richard M.

Schlesinger, Richard M., by H. J. Schlesinger, doing business as Schlesinger Botttling Works, New Athens, Ill. Non-alcoholic carbonated maltless beverage and syrup. 120,291, Jan. 29, 1918. Republished Jan. 4. Class 45.

Schneider, Fred, doing business as Taper Bowl Pipe Company, New Philadelphia, Ohio. Tobacco pipes. 506,536, Jan. 4; Serial No. 532,030. Class 8.

Schoeneman, J., Inc., Baltimore, Md. Coats, vests, trousers, knickerbockers, topcoats and overcoats for men, youths and boys. 505,540, Jan. 4; Serial No. 530,121. Class 39.

Scholastic Corporation: *See*—
Scholastic Publishing Company, The.

Scholastic Publishing Company, The, Pittsburgh, Pa., by Scholastic Corporation, New York, N. Y. Magazine. 273,405, Aug. 6, 1930. Republished Jan. 4. Class 38.

Schwab, David E., & Co., by David E. Schwab & Company, Inc., New York, N. Y. Handkerchiefs. 357,462, June 7, 1938. Republished Jan. 4. Class 39.

Schwab, David E., & Company, Inc.: *See*—
Schwab, David E., & Co.

Scott & Fetzer Company, The, Cleveland, Ohio. Hand-operated suction carpet-sweepers. 131,367, May 11, 1920. Republished Jan. 4. Class 23.

Sebastopol Fruit Growers Association, Sebastopol, Calif. Fresh deciduous fruits. 392,813, Jan. 13, 1942. Republished Jan. 4. Class 46.

Seco Products Company, Toledo, Ohio. Washing and general cleaning powder. 441,153, Jan. 4; Serial No. 498,864, published June 17, 1947. Class 4.

Seely Shoulder Pad Corp., New York, N. Y. Bust forms. 506,482, Jan. 4; Serial No. 547,042, published Sept. 21, 1948. Class 40.

Seidlits Paint & Varnish Co., Kansas City, Mo. Liquid substitute for turpentine. 505,414, Jan. 4; Serial No. 536,159, published Sept. 14, 1948. Class 16.

Selby, Battersby & Co., Philadelphia, Pa. Flooring composition, completed flooring, stucco composition, etc. 204,448–9, Oct. 20, 1925. Republished Jan. 4. Classes 6 and 12.

Selig Company, The, Atlanta, Ga. Flame proofing compound. 506,359, Jan. 4; Serial No. 524,354, published Sept. 21, 1948. Class 6.

Selle, H. W., & Co., by American Excelsior Corporation, Chicago, Ill. Packing pads. 217,553, Sept. 7, 1926. Republished Jan. 4. Class 50.

Sellmer, Walter B., doing business as Selmolene Manufacturing Company, also known as Selmolene Mfg. Co., San Rafael, Calif. Ointment. 506,427, Jan. 4; Serial No. 537,625, published Sept. 28, 1948. Class 6.

Selmolene Mfg. Co.: *See*—
Sellmer, Walter B.

Selmolene Manufacturing Company: *See*—
Sellmer, Walter B.

Shaler Company, The, Waupun, Wis. Portable rubber-tire vulcanizers. 505,479, Jan. 4; Serial No. 546,063, published Sept. 28, 1948. Class 35.

Shelby Manufacturing Co., New York, N. Y. House dresses. 506,543, Jan. 4; Serial No. 534,061. Class 39.

Shell Oil Company, Incorporated: *See*—
Roxana Petroleum Corporation.

Shen Manufacturing Company, The: *See*—
Sibson & Stern, Inc.

Shepherd Worsted Mills, Newton, Mass. Yarns. 431,767–8; Aug. 5, 1947. Republished Jan. 4. Class 43.

Sherriff-Goslin Co., to The Ruberoid Co., New York, N. Y. Shingles and siding. 364,392, Jan. 31, 1939. New certificate. O. G. Jan. 4. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Mixed paints. 67,166, Jan. 21, 1908. Republished Jan. 4. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Soaps. 155,831, June 6, 1922. Republished Jan. 4. Class 4.

Sherwin-Williams Company, The, Cleveland, Ohio. Soap, metal polishes. 441,805, Jan. 4; Serial No. 524,720, published Sept. 28, 1948. Class 4.

Shulman, Morris, New York, N. Y. Men's suits, topcoats, sport coats, etc., ladies' dresses, sport coats, and suits. 441,812, Jan. 4; Serial No. 504,300. Class 39.

Shults Belting Company, St. Louis, Mo., by Graton & Knight Company, Worcester, Mass. Belting and belt-lacings. 121,215–16, Apr. 16, 1918. Republished Jan. 4. Class 35.

Sibson & Stern, Inc., to The Shen Manufacturing Company, Philadelphia, Pa. Diabcloths, bar cloths, door cloths, etc. 248,658, renewed Oct. 30, 1948. O. G. Jan. 4. Class 42.

Silent Glow Oil Burner Corporation, The, Hartford, Conn. Oil burners. 189,624, Sept. 23, 1924. Republished Jan. 4. Class 34.

Silklin Paper Corporation: *See*—
Glass, Jackson C. E.

Simmons, R. F., Company, by R. F. Simmons Company, Attleboro, Mass. Jewelry. 79,795, Oct. 4, 1910. Republished Jan. 4. Class 28.

Sloan Valve Company, Chicago, Ill. Flush valves. 255,451, Apr. 23, 1929. Republished Jan. 4. Class 13.

Sloan Valve Company, Chicago, Ill. Valves for use in water supply systems. 271,429, June 3, 1930. Republished Jan. 4. Class 13.

Sloan Valve Company, Chicago, Ill. Flush valves. 284,196, June 16, 1931. Republished Jan. 4. Class 13.

Sloan Valve Company, Chicago, Ill. Flush valves. 284,212, June 16, 1931. Republished Jan. 4. Class 13.

Sloan Valve Company, Chicago, Ill. Flush valves for water supply system. 410,682, Dec. 12, 1944. Republished Jan. 4. Class 13.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Wood filler, enamels, paints, and varnishes. 195,384, Feb. 24, 1925. Republished Jan. 4. Class 16.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Paint for use upon cement floors. 199,379, June 9, 1925. Republished Jan. 4. Class 16.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Paste and ready-mixed paints. 206,095, Nov. 24, 1925. Republished Jan. 4. Class 16.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Paint enamel for exterior use. 804,176, June 27, 1933. Republished Jan. 4. Class 16.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Varnish for linoleum. 315,497, July 31, 1934. Republished Jan. 4. Class 16.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Paint and varnish remover. 424,289, Oct. 1, 1946. Republished Jan. 4. Class 16.

Smith, Arthur E., Los Angeles, Calif. Local anesthetising, nerve blocking tablets, local anesthetising, nerve blocking powders; etc. 506,364, Jan. 4; Serial No. 527,211, published Sept. 28, 1948. Class 6.

Smith, Arthur E., Los Angeles, Calif. Local anesthetising, nerve blocking tablets, local anesthetising, nerve blocking powders, etc. 506,366, Jan. 4; Serial No. 527,215, published Sept. 28, 1948. Class 6.

Smith, Kline & French Laboratories: *See*—
Givaudan-Delawanna, Inc.

Snell-Jones Tack Corporation, Brockton, Mass. Glaziers' points. 368,758, June 27, 1939. Republished Jan. 4. Class 18.

Solvay Process Company, The, Solvay, to Allied Chemical & Dye Corporation, Geddes, N. Y. Inorganic chemicals. 251,480, renewed Jan. 8, 1948. O. G. Jan. 4. Class 6.

Somar Specialty Corp., Bridgeport, Conn. Tool handle. 441,745, Jan. 4; Serial No. 491,219, published Sept. 7, 1948. Class 23.

Southern Plow Co. Dept.: *See*—
Columbus Iron Works Co.

Southern Railway Company, Richmond, Va., and Washington, D. C. Freight and passenger transportation service by railroad. 505,509, Jan. 4; Serial No. 528,523, published Sept. 21, 1948. Class 55.

Spaulding & Company, Chicago, Ill. Hand luggage, trunk portfolios, bags, and cases, etc. 441,754, Jan. 4; Serial No. 500,837, published Sept. 21, 1948. Class 3.

Speed Gets 'Em Lumber Company: *See*—
Bolcom Canal Lumber Co.

Speidel Corporation: *See*—
Speidel, Edwin F. M.

Speidel, Edwin F. M., doing business as Automatic Gold Chain Company, by Speidel Corporation, Providence, R. I. Jewelry. 290,416, Jan. 5, 1932. Republished Jan. 4. Class 28.

Spiegel, Inc., Chicago, Ill. Shoes. 419,726, Mar. 5, 1946. Republished Jan. 4. Class 39.

Sport Products, Inc.: *See*—
Crawford McGregor & Canby Company, The.
Crawford, McGregor and Canby Company.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Insecticides. 441,806, Jan. 4; Serial No. 525,126, published Sept. 28, 1948. Class 6.

Star Equipment Corporation, assignor, by mesne assignments, to International Projector Corporation, Bloomfield, N. J. Dry-cleaning machines. 505,482, Jan. 4; Serial N. 588,466, published Sept. 7, 1948. Class 24.

Star-Brite Paint Co., by Nu-Enamel Corporation, Chicago, Ill. Paint enamels, dry, ready mixed, and paste paints, varnishes, polishes, etc. 341,883, Dec. 29, 1936. Republished Jan. 4. Class 16.

State Mill & Elevator: *See*—
North Dakota Mill & Elevator Association.

State Mill and Elevator: *See*—
North Dakota Mill and Elevator Association.

Stayton Canning Co. Co-operative, Stayton, Oreg. Canned fruits and vegetables. 505,415, Jan. 4; Serial No. 538,805, published Aug. 10, 1948. Class 46.

Steel Treating Equipment Co., The: *See*—
Nixon, George C.

Steigleder, W. A.: *See*—
Bolcom Canal Lumber Co.

Stein, Morris, trading as Eureka Chemical Laboratories, Philadelphia, Pa. Medicated cough drops. 441,743, Jan. 4; Serial No. 477,533, published June 12, 1945. Class 6.

Stephens, Benjamin F., doing business as Stephens Manufacturing Co., Tulsa, Okla. Gas and oil burning heating furnaces. 360,326, Sept. 13, 1938. Republished Jan. 4. Class 34.

Stephens Manufacturing Co.: *See*—
Stephens, Benjamin F.

Sternberg Knitting Co., New York, N. Y. Infants' and children's creepers, rompers, sweaters, panty suits, and play suits. 505,533, Jan. 4; Serial No. 518,990. Class 39.

Stetson Shirt Co. Inc., New York, N. Y. Dress shirts. 295,498, July 5, 1932. Republished Jan. 4. Class 39.

Stirn, L. & E., New York, N. Y., to Burlington Mills Corporation, Greensboro, N. C. Silk and wool mixed piece goods. 251,888, renewed Jan. 15, 1949. O. G. Jan. 4. Class 42.

Stirn, L. & E., New York, N. Y., to Burlington Mills Corporation, Greensboro, N. C. Beach coats. 252,262, renewed Jan. 29, 1949. O. G. Jan. 4. Class 39.

Stonega Coke & Coal Company, Big Stone Gap, Va. Coal and coke. 114,568, Dec. 19, 1916. Republished Jan. 4. Class 1.

Stonega Coke & Coal Company, Big Stone Gap, Va. Coal and coke. 115,080, Jan. 16, 1917. Republished Jan. 4. Class 1.

Stranger, Reginald J., doing business as Strangers, Ltd., Southampton, England. Nonalcoholic beverages. 248,060, renewed Oct. 16, 1948. O. G. Jan. 4. Class 45.

Strangers, Ltd.: *See*—
Stranger, Reginald J.

Stratton, Archie T., Cleveland, Ohio. Lubricating oil. 422,620, Aug. 6, 1946. Republished Jan. 4. Class 15.

Strawbridge & Clothier, Philadelphia, Pa. Lamp shades. 505,437, Jan. 4; Serial No. 539,226, published Sept. 14, 1948. Class 34.

Sunland Packing House Company, Porterville, Calif. Fresh citrous fruits. 203,811, Sept. 29, 1925. Republished Jan. 4. Class 46.

Suesfeld, Lorsch & Schimmel, New York, N. Y. Binoculars, field and marine glasses, opera glasses, etc. 221,815, Dec. 14, 1926. Corrected. O. G. Jan. 4. Class 26.

Swan-Myers Company, Indianapolis, Ind., to Abbott Laboratories, North Chicago, Ill. Dressing for the nipples of nursing mothers. 254,582, renewed Mar. 26, 1949. O. G. Jan. 4. Class 6.

Swank, Inc., Attleboro, Mass. Wallets or billfolds. 505,413, Jan. 4; Serial No. 535,756, published Sept. 14, 1948. Class 3.

Sweetly Yours Candy Co.: *See*—
Hollingsworth Candy Co.

Switzer Brothers, assignor to Switzer Brothers, Inc., Cleveland, Ohio. Fabrics in the piece. 441,758, Jan. 4; Serial No. 503,481, published Sept. 14, 1948. Class 42.

Switzer Brothers, Inc.: *See*—
Switzer Brothers.

T O Ranch Company, Raton, N. Mex. Beef cattle. 505,428, Jan. 4; Serial No. 537,838, published Sept. 28, 1948. Class 1.

Talon, Inc., Meadville, Pa. Handbags, portable cases, etc. 505,370, Jan. 4; Serial No. 527,868, published Sept. 21, 1948. Class 3.

Talon, Inc., Meadville, Pa. Handbags, portable cases, etc. 505,371, Jan. 4; Serial No. 527,891, published Sept. 21, 1948. Class 3.

Tampa Importers, Inc., New York, N. Y. Cigars. 334,671, May 12, 1936. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 17.

Taper Bowl Pipe Company: *See*—
Schneider, Fred.

Tauber Co., The, Uncasville, Montville, to The Tauber Co., Uncasville, Conn. Food-beverage powder. 251,494, renewed Jan. 8, 1949. O. G. Jan. 4. Class 46.

Taylor, Frank F., Company, The, Norwood, Ohio. Walker strollers and strollers. 505,450, Jan. 4; Serial No. 541,602, published Aug. 24, 1948. Class 19.

Teens Frocks: *See*—
Dudkin, Henry.

Tempro, Incorporated, New Haven, Conn. Combination jigger, ice mallet, cork puller, and bottle decapper. 441,760, Jan. 4; Serial No. 505,366, published Sept. 21, 1948. Class 23.

Terre Haute Brewing Company, by Terre Haute Brewing Company, Inc., Terre Haute, Ind. Cereal malt beverage. 129,228, Jan. 27, 1920. Republished Jan. 4. Class 48.

Terre Haute Brewing Company, Inc.: *See*—
Terre Haute Brewing Company.

Thomas, Nell: *See*—
Gallagher-Thomas Chemical Co.

Threm, William B., doing business as Airite Mfg. Co., Toledo, Ohio. Nitrous oxide, carbon dioxide, insecticides, etc. 441,804, Jan. 4; Serial No. 524,259, published Sept. 28, 1948. Class 6.

Tobin Packing Co., Inc.: *See*—
Albany Packing Co., Inc.

Toledo Blade Company, The, Toledo, Ohio. Newspaper. 407,444, June 6, 1944. Republished Jan. 4. Class 38.

Trenka, F., Chemisch-Pharmaceutische Fabrik: *See*—
Trenka, Frans.

Trenka, Frans, doing business as F. Trenka Chemisch-Pharmaceutische Fabrik, to F. Trenka Chemisch-Pharmaceutische Fabrik, Vienna, Austria. Pharmaceutic preparations. 198,187, renewed May 5, 1946. O. G. Jan. 4. Class 6.

Troy Chemical Co., The, Binghamton, N. Y. Liniment. 249,276, renewed Nov. 13, 1948. O. G. Jan. 4. Class 6.

Tru-Pak Products Corp., Jersey City, N. J. Chocolated laxatives, cold laxatives, chewing gum laxatives, etc. 441,744, Jan. 4; Serial No. 490,555, published Sept. 28, 1948. Class 6.

Turnbull, Frederick M., Los Angeles, Calif. Sulfathiazole compound. 506,484, Jan. 4; Serial No. 547,376, published Sept. 28, 1948. Class 6.

Tykie Toy Company, Piqua, Ohio. Baby toys. 389,077, July 22, 1941. Republished Jan. 4. Class 22.

Ullmann, Bernhard, Co. Inc., Long Island City, N. Y. Art needlework yarns. 505,489, Jan. 4; Serial No. 549,595, published Sept. 14, 1948. Class 43.

Ullmann, Bernhard, Co. Inc., Long Island City, N. Y. Art needlework yarns made wholly of wool. 505,538, Jan. 4; Serial No. 523,563. Class 43.

Union des Parfumeurs de France (U. P. F.), Paris, France. Scenting extracts, eaux de cologne, scenting lotions, etc. 441,776, Jan. 4; Serial No. 512,725, published Sept. 28, 1948. Class 6.

United States Plywood Corporation, New York, N. Y. Heat activated, thermosetting resinous adhesives, etc. 441,771, Jan. 4; Serial No. 510,457, published July 20, 1948. Class 5.

Upland Winery, Sunnyside, Wash. Wine. 423,040, Aug. 20, 1946. Republished Jan. 4. Class 47.

Van Lill, S. J. Co.: *See*—
Van Lill Preserving Company.

Van Lill Preserving Company, by S. J. Van Lill Co., Baltimore, Md. Preserves, jellies, fruit-butters, and mincemeat. 23,254, June 27, 1893. Republished Jan. 4. Class 46.

Van Raalte Company, Inc., New York, N. Y. Silk gloves. 282,384, Apr. 21, 1931. Republished Jan. 4. Class 39.

Van Raalte Company, Inc., New York, N. Y. Fabric gloves. 365,412, Mar. 7, 1939. Republished Jan. 4. Class 39.

Velsical Corporation, Chicago, Ill. Hydrocarbon solvents for lacquers and synthetic enamels. 505,383, Jan. 4; Serial No. 529,322, published Sept. 14, 1948. Class 16.

Vendo Company, The, Kansas City, Mo. Combination mechanically and electrically operated door opening mechanism. 505,526, Jan. 4; Serial No. 513,959. Class 21.

Vincennes Packing Corporation: *See*—
Rider Packing Co. Inc., The.
Vincennes Packing Corporation, Vincennes, Ind. Canned pumpkins. 254,404, Mar. 26, 1929. Republished Jan. 4. Class 46.
Viva, Lugano, Switzerland. Scientific blend of cocoa, sugar, dextrose, cereals, etc. 441,775, Jan. 4; Serial No. 511,713, published Sept. 21, 1948. Class 46.
Voorhees Rubber Mfg. Co., Jersey City, N. J., by Voorhees Rubber Mfg. Co., Inc., New York, N. Y. Rubber valves. 112,961, Oct. 3, 1916. Republished Jan. 4. Class 35.
Voorhees Rubber Mfg. Co., Inc.: *See*—
Voorhees Rubber Mfg. Co.
Voss, Karl, Corporation, by Karl Voss Corporation, Hoboken, N. J. Paper and pasteboard boxes and paper and pasteboard containers. 220,282, Nov. 9, 1926. Republished Jan. 4. Class 2.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles. 217,090–1, Aug. 24, 1926. Republished Jan. 4, Class 46.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, and relish. 231,824, Aug. 30, 1927. Republished Jan. 4. Class 46.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow and relish. 231,832, Aug. 30, 1927. Republished Jan. 4. Class 46.
W. & W. Pickle and Canning Co., Montgomery, Ala. Pickles, chowchow, relish. 233,438, Sept. 27, 1927. Republished Jan. 4. Class 46.
Wadsworth-Howland Company, by Jewel Paint & Varnish Co., Chicago, Ill. Wall-finish, iron-enamel, mixed paint, varnish-stain, oil stain, etc. 150,639, Jan. 3, 1922. Republished Jan. 4. Class 16.
Waggoner, Norman L., Inc.: *See*—
Beesemyer-Waggoner, Inc.
Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and canned vegetables. 333,524, Mar. 24, 1936. Republished Jan. 4. Class 46.
Waggoner, Norman L., Inc., San Francisco, Calif. Canned fruits and canned vegetables. 398,948, Dec. 8, 1942. Republished Jan. 4. Class 46.
Walla Walla Hothouse Vegetable Co.: *See*—
Mojonnier, Frederick E.
Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 416,278, Sept. 4, 1945. Republished Jan. 4. Class 42.
Warner Distributing Co.: *See*—
Douglass, Wylie B.
Warren Featherbone Co., The, Three Oaks, Mich. Button loops, featherbone stays, corset stays, etc. 505,396, Jan. 4; Serial No. 530,604, published Sept. 21, 1948. Class 40.
Warren Featherbone Co., The, Three Oaks, Mich. Button loops, featherbone stays, corset stays, etc. 505,444, Jan. 4; Serial No. 540,354, published Sept. 21, 1948. Class 40.
Wayne Oil Tank & Pump Company, by The Wayne Pump Company, Fort Wayne, Ind. Nozzles and nozzle-casings. 139,050, Jan. 18, 1921. Republished Jan. 4. Class 13.
Wayne Oil Tank & Pump Company, by The Wayne Pump Company, Fort Wayne, Ind. Tanks. 139,227, Jan. 25, 1921. Republished Jan. 4. Class 2.
Wayne Pump Company, The: *See*—
Wayne Oil Tank & Pump Company.
Weiner, Martin, Corp.: *See*—
Carson Pirie Scott & Company.
Weisfield & Goldberg, Inc., Seattle, Wash. Eye glasses. 415,207, July 31, 1945. Republished Jan. 4. Class 26.
Weller, J., Company, The, Oak Harbor, Ohio. Catsup, tomato puree, canned vegetables. 111,862, Aug. 8, 1916. Republished Jan. 4. Class 46.
Weller, J., Company, The, Oak Harbor, Ohio. Canned sauerkraut. 116,184, Apr. 10, 1917. Republished Jan. 4. Class 46.
Weller, J., Company, The, Oak Harbor, Ohio. Pickles. 249,152, Nov. 6, 1928. Republished Jan. 4. Class 46.
Weller, J., Company, The, Oak Harbor, Ohio. Tomato catsup and pickles. 249,346, Nov. 13, 1928. Republished Jan. 4. Class 46.
Weller, J., Company, The, Oak Harbor, Ohio. Canned sauerkraut, tomato catsup, pickles, etc. 277,745, Nov. 25, 1930. Republished Jan. 4. Class 46.
Weller, J., Company, The, Oak Harbor, Ohio. Catsup, tomato puree, pickles, etc. 348,902, Aug. 17, 1937. Republished Jan. 4. Class 46.
Wells, Homer, Houston, Tex. Diaper pins. 505,360, Jan. 4; Serial No. 526,680, published Sept. 21, 1948. Class 40.
Wells Lamont Corporation: *See*—
Wells-Lamont Manufacturing Co.
Wells-Lamont Manufacturing Co., by Wells Lamont Corporation, Minneapolis, Minn. Knitted and woven fabric gloves. 242,556, May 29, 1928. Republished Jan. 4. Class 39.
West Virginia Macaroni Co., Clarksburg, W. Va. Macaroni and spaghetti. 258,853, July 16, 1929. Canceled Nov. 24, 1948. O. G. Jan. 4. Class 46.
Wetterwald & Pfister Company, Inc., to American Cyanamid Company, New York, N. Y. Dyestuffs and intermediates. 250,438, renewed Dec. 11, 1948. O. G. Jan. 4. Class 6.
Whitehall Pharmacal Company, New York, N. Y. Cosmetics. 505,499, Jan. 4; Serial No. 552,300, published Sept. 28, 1948. Class 6.
White Mountain Freezer Company, The, by The White Mountain Freezer Company, Inc., Nashua, N. H. Ice cream freezers. 16,487, Apr. 9, 1889. Republished Jan. 4. Class 31.
White Mountain Freezer Company, Inc., The: *See*—
White Mountain Freezer Company, The.
Whiting-Adams Company, Inc., Boston, Mass. Flat varnish brushes. 433,621, Oct. 21, 1947. Republished Jan. 4. Class 29.
Whiting-Adams Company, Inc., Boston, Mass. Oval varnish brushes. 433,622, Oct. 21, 1947. Republished Jan. 4. Class 29.
Whitney Blake Company, The, Hamden, Conn. Insulated wire and cables. 106,128, Oct. 12, 1915. Republished Jan. 4. Class 21.
Whitney Blake Company, The, Hamden, Conn. Insulated wires and cables. 402,190, July 6, 1943. Republished Jan. 4. Class 21.
Whitney Blake Company, The, Hamden, Conn. Insulated wires and cables. 406,670, Apr. 18, 1944. Republished Jan. 4. Class 21.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. 421,195, May 21, 1946. Republished Jan. 4. Class 21.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. 427,000, Jan. 21, 1947. Republished Jan. 4. Class 21.
Whittier Sportswear Corp., New York, N. Y. Sweaters, basque shirts, shorts, slacks, pedal pushers, blouses, skirts, coats, suits, etc. 505,543, Jan. 4; Serial No. 531,871. Class 39.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating units and electric heaters. 505,368, Jan. 4; Serial No. 527,671, published Sept. 21, 1948. Class 21.
Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heating units and electric heaters. 505,369, Jan. 4; Serial No. 527,865, published Sept. 21, 1948. Class 21.
Wilharts, Leland J., doing business as Lakeside Products, Chicago, Ill. Powdered cleaning composition, powdered metal polish. 441,796, Jan. 4; Serial No. 521,301, published Sept. 28, 1948. Class 4.
Williams, Frederick J.: *See*—
Golden Pheasant, The.
Wilson Brothers: *See*—
Rosenfeld, E., & Co.
Wimelbacher & Rice Inc., New York, N. Y. Ladies' leather gloves. 505,552, Jan. 4; Serial No. 538,983. Class 39.
Wimelbacher & Rice Inc., New York, N. Y. Ladies' fabric gloves. 505,553, Jan. 4; Serial No. 539,008. Class 39.
Windsor Textile Co., Inc., New York, N. Y. Pillow cases, sheets, hand towels, bath towels, etc. 441,762, Jan. 4; Serial No. 506,213, published Sept. 14, 1948. Class 42.
Wonderknit Corporation, Lindenhurst, N. Y. Towels and wash cloths. 434,585, Nov. 25, 1947. Republished Jan. 4. Class 42.
Wood, John, Manufacturing Company, Inc., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa. Gas water heaters, and combination boilers. 505,464–5–6, Jan. 4; Serial Nos. 543,344–5–6, published Sept. 14, 1948. Class 34.
Woodard Laboratories, Inc., Los Angeles, Calif. Chemical, pharmaceutical, and biological preparations. 441,809, Jan. 4; Serial No. 525,470, published Sept. 28, 1948. Class 6.
Woofter, Camden, Dr., St. Louis, Mo., by Consolidated Royal Chemical Corporation, Chicago, Ill. Remedy for hard corns. 95,504, Feb. 17, 1914. Republished Jan. 4. Class 6.
Woolworth, F. W., Co.: *See*—
Chipman's, Chas., Sons Co., Inc.
Worcester Salt Company, Silver Springs and New York, by Worcester Salt Company, New York, N. Y. Compound table-salt. 74,109, June 15, 1909. Republished Jan. 4. Class 46.
Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Salt. 277,388–90, Nov. 11, 1930. Republished Jan. 4. Class 46.
World Products Corp., New York, N. Y. Preparation containing specially processed extracted animal liver meal, carotene extract, etc. 505,476, Jan. 4; Serial No. 545,319, published Aug. 3, 1948. Class 6.
Wright, William E., & Sons Company, West Warren, Mass. Bias fold tape, ruffings, rick rack braid, etc. 505,417, Jan. 4; Serial No. 536,738, published Sept. 14, 1948. Class 40.
Wurlitzer, The Rudolph, Company, Chicago, Ill. Pianos, piano accordions, and electronic organs. 505,549–50, Jan. 4; Serial No. 536,024. Class 36.
Wyeth, Incorporated, Philadelphia, Pa. Antibiotic with vasoconstrictor. 505,463, Jan. 4; Serial No. 543,250, published Sept. 28, 1948. Class 6.
Yaso Medicinal, S. A., Barcelona, Spain. Dentifrices in form of fluids, powders, or paste. 441,794, Jan. 4; Serial No. 520,489, published Sept. 28, 1948. Class 6.
Zavadil, George, doing business as Plyak Boat Company, Baltimore, Md. Canoes and row-boats. 441,759, Jan. 4; Serial No. 504,816, published Aug. 24, 1948. Class 19.
Zbrojovka Brno, Narodni Podnik, doing business as Brno Arms Factory, National Corporation, Brunn, Czechoslovakia. Automotive vehicles. 505,449, Jan. 4; Serial No. 541,366, published Sept. 14, 1948. Class 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Beef cattle. T O Ranch Company. 505,428, Jan. 4; Serial No. 537,838, published Sept. 28, 1948.
Belting-leather. Graton & Knight Manufacturing Company. 74,811, Aug. 10, 1909. Republished Jan. 4.
Bulbs, Flower, seed, and plants. C. Pearlstein. 505,551, Jan. 4; Serial No. 536,832.
Calf skins, Tanned. Scherer Leather Company. 342,088, Jan. 5, 1937. Republished Jan. 4.
Carbon black. The Grasselli Chemical Company. 244,116, July 10, 1928. Republished Jan. 4.
Coal. Clark-Coleman Coal & Coke Co. 215,753, July 27, 1926. Republished Jan. 4.
Coal. Eastern Gas and Fuel Associates. 505,433, Jan. 4; Serial No. 538,503, published Sept. 28, 1948.
Coal. Raven Red Ash Coal Co., Inc. 505,457, Jan. 4; Serial No. 542,354, published Sept. 28, 1948.
Coal and coke. Stonega Coke & Coal Company. 114,568, Dec. 19, 1916. Republished Jan. 4.
Coal and coke. Stonega Coke & Coal Company. 115,030, Jan. 16, 1917. Republished Jan. 4.
Coal, Bituminous. Boone County Coal Corporation. 300,782, Feb. 7, 1933. Republished Jan. 4.
Excelsior, excelsior products. Excelsior Wrapper Company. 161,132, Nov. 7, 1922. Republished Jan. 4.
Lace-leather and cut laces of leather. The Graton & Knight Manufacturing Company. 147,613, Oct. 25, 1921. Republished Jan. 4.
Leather. Eagle-Ottawa Leather Company. 441,813, Jan. 4; Serial No. 524,115.
Leather. The Graton and Knight Manufacturing Company. 114,749, Jan. 2, 1917. Republished Jan. 4.
Leather. J. Greenebaum Tanning Co. 505,539, Jan. 4; Serial No. 529,035.
Leather. Monarch Leather Company. 505,338, Jan. 4; Serial No. 513,444, published Sept. 28, 1948.
Leather. Scherer Leather Company. 305,353, Aug. 15, 1933. Republished Jan. 4.
Leather. Scherer Leather Company. 308,587, Dec. 12, 1933. Republished Jan. 4.
Leather. Scherer Leather Company. 315,792, Aug. 7, 1934. Republished Jan. 4.
Leather. Cut laces, and lace leather in sides. The Graton & Knight Manufacturing Company. 190,878, Oct. 28, 1924. Republished Jan. 4.
Leather for belting. Graton & Knight Manufacturing Company. 75,159, Sept. 7, 1909. Republished Jan. 4.
Leather for boots and shoes. Graton & Knight Mfg. Co. 76,621, Feb. 1, 1910. Republished Jan. 4.
Leather for boots and shoes. Graton & Knight Mfg. Co. 77,918, May 17, 1910. Republished Jan. 4.
Leather, Full grained and buffed sole. J. Greenebaum Tanning Co. 505,382, Jan. 4; Serial No. 529,049, published Apr. 27, 1948.
Leather in the piece. Graton & Knight Company. 422,424, July 23, 1948. Republished Jan. 4.
Leather, Shoe-sole. Driscole Tanning Company. 246,761, Sept. 11, 1928. Republished Jan. 4.
Leather, Shoe-sole. Driscole Tanning Company. 252,286, Jan. 29, 1929. Republished Jan. 4.
Leather, Sole. Graton & Knight Company. 236,259, Dec. 6, 1927. Republished Jan. 4.
Oakum. American Manufacturing Company. 505,380, Jan. 4; Serial No. 528,848, published Sept. 28, 1948.
Plastic material. Boston Woven Hose & Rubber Company. 505,337, Jan. 4; Serial No. 513,385, published Sept. 28, 1948.
Plastic material in sheet form, Transparent and opaque resinous. The B. F. Goodrich Company. 441,766, Jan. 4; Serial No. 509,417, published Sept. 28, 1948.
Plastic materials in the form of tubes, rods, strips, and monofilament threads, Extruded resinoid. Irvington Varnish & Insulator Co. 392,351, Dec. 23, 1941. Republished Jan. 4.
Plastic tubes, rods, strips, and monofilament threads, Extruded resinoid. Irvington Varnish & Insulator Co. 420,390, Apr. 9, 1946. Republished Jan. 4.
Resin sheets, Polyvinyl. Middletown Rubber Corporation. 441,750, Jan. 4; Serial No. 497,948, published Sept. 28, 1948.
Rosin, Heat-treated "X" grade wood. Newport Industries, Inc. 372,839, Nov. 14, 1939. Republished Jan. 4.
Rosin, Polymerized or partially polymerized. Newport Industries, Inc. 402,625, July 27, 1943. Republished Jan. 4.
Rosin, Solid lime-treated pale. Newport Industries, Inc. 372,838, Nov. 14, 1939. Republished Jan. 4.
Rosin, Solid zinc-treated. Newport Industries, Inc. 372,836–7, Nov. 14, 1939. Republished Jan. 4.
Rosin, Solid zinc-treated. Newport Industries, Inc. 402,506, July 27, 1943. Republished Jan. 4.
Rosin solution in petroleum solvent, Zinc-treated. Newport Industries, Inc. 374,710, Jan. 23, 1940. Republished Jan. 4.
Rosin solutions in petroleum solvents, Zinc-treated. Newport Industries, Inc. 372,835, Nov. 14, 1939. Republished Jan. 4.
Seeds, Grass, field, and vegetable. E. F. Burlingham & Sons. 505,542, Jan. 4; Serial No. 531,642.
Skins, Fur, or pelts. Quebec Fur Breeders Cooperative Association. 441,767, Jan. 4; Serial No. 509,470, published Sept. 28, 1948.

CLASS 2

Bags. The Carls Company. 505,347, Jan. 4; Serial No. 519,170, published Sept. 28, 1948.
Bags, Garment, laundry and shoe bags. Plymouth Wholesale Dry Goods Corporation. 505,522, Jan. 4; Serial No. 509,453.
Bags, Garment, laundry bags, shopping bags, etc. Plymouth Wholesale Dry Goods Corporation. 505,521, Jan. 4; Serial No. 509,446.
Bottles, Molded plastic. Pro-phy-lac-tic Brush Company. 441,748, Jan. 4; Serial No. 493,622, published Feb. 4, 1947.
Bottles, Vacuum, and lunch boxes. Affiliated Retailers, Inc. 441,791, Jan. 4; Serial No. 520,078, published Sept. 28, 1948.
Boxes, trucks, cans, barrels, etc. Rogers Fibre Company. 237,231, Jan. 3, 1928. Republished Jan. 4.
Cabinets, paper garment bags, and cardboard storage chests, Paperboard or corrugated pasteboard. Odora Company, Inc. 505,420, Jan. 4; Serial No. 537,072, published Sept. 21, 1948.
Chick boxes for shipping. Anderson Box Company. 232,265, Sept. 6, 1927. Republished Jan. 4.
Compact and vanity cases. Aristocrat Leather Products, Inc. 505,411, Jan. 4; Serial No. 534,973, published Sept. 28, 1948.
Dispensing containers, Tubular. Cambridge Paper Box Company. 505,345, Jan. 4; Serial No. 517,552, published Sept. 28, 1948.
Harness snaps, and snap hooks for harnesses. North & Judd Manufacturing Company. 505,381, Jan. 4; Serial No. 528,942, published Sept. 21, 1948.
Paper and pasteboard boxes and paper and pasteboard containers. Karl Voss Corporation. 220,282, Nov. 9, 1926. Republished Jan. 4.
Tanks. Wayne Oil Tank & Pump Company. 139,227, Jan. 25, 1921. Republished Jan. 4.
Waste-baskets. American Vulcanized Fibre Co. 111,160, July 4, 1916. Republished Jan. 4.

CLASS 3

Animal equipment. The Buchheimer Company. 255,933, Apr. 30, 1929. Republished Jan. 4.
Bags, Reticules or utility. Royal Dalton, Ltd. 441,768, Jan. 4; Serial No. 509,603, published Sept. 14, 1948.
Billfolds, Brown & Bigelow. 505,506, Jan. 4; Serial No. 530,182, published Sept. 21, 1948.
Billfolds, pocket books, purses and wallets. Nash, Incorporated. 434,456, Nov. 18, 1947. Republished Jan. 4.
Handbags, portable cases. Talon, Inc. 505,371, Jan. 4; Serial No. 527,891, published Sept. 21, 1948.
Handbags, portable cases, etc. Talon, Inc. 505,370, Jan. 4; Serial No. 527,868, published Sept. 21, 1948.
Handbags, wallets, portfolios, etc. Cavendish Trading Corporation. 412,733–4, Mar. 20, 1945. Republished Jan. 4.
Luggage, Hand, trunk portfolios, bags and cases, etc. Spaulding & Company. 441,754, Jan. 4; Serial No. 500,837, published Sept. 21, 1948.
Suitcases, hand luggage cases equipped with garment carrying fixtures, and wardrobe suitcases. Hartmann Company. 505,430, Jan. 4; Serial No. 539,877, published Sept. 21, 1948.
Wallets and billfolds, Leather pocket. Buxton, Incorporated. 505,461, Jan. 4; Serial No. 543,092, published Sept. 21, 1948.
Wallets or billfolds. Swank, Inc. 505,413, Jan. 4; Serial No. 535,756, published Sept. 14, 1948.

CLASS 4

Cleaner, Hand, and hectograph ink remover. Columbia Ribbon & Carbon Manufacturing Company, Inc. 441,786, Jan. 4; Serial No. 519,259, published Sept. 28, 1948.
Cleaner, Household. Hood Chemical Co., Inc. 426,393, Dec. 24, 1946. Republished Jan. 4.
Cleaner, Household. Hood Chemical Co., Inc. 433,881, Nov. 4, 1947. Republished Jan. 4.
Cleaning and scrubbing preparations and soaps. "J A V," Société Anonyme. 505,350, Jan. 4; Serial No. 495,389, published Sept. 28, 1948.
Cleaning composition, powdered metal polish, Powdered. L. J. Wilharts. 441,796, Jan. 4; Serial No. 521,301, published Sept. 28, 1948.
Cleaning compound, Liquid. Alpha Chemical Company. 223,234, Jan. 25, 1927. Republished Jan. 4.
Cleaning fluid. Bell & Howell Company. 505,386, Jan. 4; Serial No. 529,559, published Sept. 28, 1948.
Cleaning powder, Washing and general. Seco Products Company. 441,753, Jan. 4; Serial No. 498,864, published June 17, 1947.

Cleansing preparation in powder form. The Great American Tea Company. 505,498, Jan. 4; Serial No. 550,917, published Sept. 28, 1948.
Cream, Shaving. The Great American Tea Company. 505,497, Jan. 4; Serial No. 550,915, published Sept. 28, 1948.
Detergents. General Dyestuff Corporation. 505,339, Jan. 4; Serial No. 514,029, published Sept. 28, 1948.
Dressing, Belt. Graton & Knight Company. 417,910, Nov. 20, 1945. Republished Jan. 4.
Dressing, Belt. Graton & Knight Company. 418,364, Dec. 18, 1945. Republished Jan. 4.
Metal-polish. M. Loewenstein. 69,229, May 26, 1908. Republished Jan. 4.
Polishes, Shoe, and cleaners for white shoes. Gem Products, Inc. 402,594, Aug. 3, 1943. Republished Jan. 4.
Polishing and cleaning preparations. The Kiwi Polish Company Proprietary Limited. 294,324, May 24, 1932. Republished Jan. 4.
Powder soluble to make a cleaning solution. S. M. Edison. 441,810, Jan. 4; Serial No. 525,808, published Mar. 30, 1948.
Razor hones. S. R. Droescher, Inc. 505,435, Jan. 4; Serial No. 538,733, published Sept. 28, 1948.
Scouring powder. The Cudahy Packing Company. 505,505, Jan. 4; Serial No. 558,372, published Sept. 28, 1948.
Soap in powdered form, Laundry. The Cudahy Packing Company. 505,504, Jan. 4; Serial No. 558,351, published Sept. 28, 1948.
Soap, metal polishes. The Sherwin-Williams Company. 441,805, Jan. 4; Serial No. 524,729, published Sept. 28, 1948.
Soaps. The Sherwin-Williams Company. 135,831, June 6, 1922. Republished Jan. 4.
Soaps, Shaving. The Lander Co. Inc. 441,756, Jan. 4; Serial No. 502,070, published Feb. 25, 1947.
Soaps, Shaving, shaving creams, and toilet soaps. S. Perr. 441,763, Jan. 4; Serial No. 508,002, published July 8, 1947.
Steel wool, pumice and other polishing stones, etc. James H. Rhodes & Company. 505,327, Jan. 4; Serial No. 490,969, published Sept. 28, 1948.
Washing powder. Pacific Soap Company. 441,802, Jan. 4; Serial No. 523,187, published Sept. 28, 1948.

CLASS 5

Adhesives, Heat activated, thermosetting resinous, etc. United States Plywood Corporation. 441,771, Jan. 4; Serial No. 510,457, published July 20, 1948.
Adhesives, Liquid, semi-liquid or solid non-drying. Abril Corporation (Gt. Britain) Limited. 441,769, Jan. 4; Serial No. 510,224, published Aug. 31, 1948.
Cement. H. B. F. Kuhls. 441,795, Jan. 4; Serial No. 521,192, published July 20, 1948.
Cement, Adhesive. Major Manufacturing Co. 253,384, renewed Feb. 28, 1949. O. G. Jan. 4.
Cement, Adhesive belt. The Graton & Knight Manufacturing Company. 217,350, Aug. 31, 1926. Republished Jan. 4.
Cement, Adhesive belt. Graton & Knight Company. 414,542, June 12, 1945. Republished Jan. 4.
Cement, Adhesive belt. Graton & Knight Company. 422,598, July 30, 1946. Republished Jan. 4.
Cement, Linoleum. Benjamin Foster Company. 441,790, Jan. 4; Serial No. 519,806, published Sept. 7, 1948.
Cement, Rubber. Cat's Paw Rubber Company, Inc. 505,442, Jan. 4; Serial No. 540,247, published Sept. 21, 1948.
Glue. Anderson Brothers Co. Inc. 194,814, Feb. 10, 1925. Republished Jan. 4.
Glue, Stick. Rockwell Manufacturing Company. 505,409, Jan. 4; Serial No. 534,354, published Sept. 21, 1948.
Grain cement. G. C. Nixon. 441,764, Jan. 4; Serial No. 509,025, published Sept. 7, 1948.
Paper, Wrapping, tissue paper, paper towels, etc. H. J. Grey. 240,657, Apr. 3, 1928. Republished Jan. 4.
Paste, Cold-water. Knefler-Bates Manufacturing Company. 224,446, Mar. 1, 1927. Republished Jan. 4.

CLASS 6

Agent, Emulsifying. H. H. Fries. 296,914, Aug. 23, 1932. Republished Jan. 4.
Alcohol preparation. Publicker Inc. 228,384, May 31, 1927. Republished Jan. 4.
Aldehydes, alcohols, and natural synthetic essential oils, etc. Felton Chemical Company, Inc. 242,637–8, May 29, 1928. Republished Jan. 4.
Alkaline effervescent tablets. Effervescent Products, Inc. 401,312, May 11, 1943. Republished Jan. 4.
Ammonia washing sal soda, laundry bleach, liquid blue, etc. The Great Atlantic and Pacific Tea Company. 505,430, Jan. 4; Serial No. 538,125, published Sept. 21, 1948.
Anaesthetics. H. H. Fries. 236,873, Dec. 27, 1927. Republished Jan. 4.
Anesthetising, Local, nerve blocking tablets, local anesthetising, nerve blocking powders; etc. A. E. Smith. 505,364, Jan. 4; Serial No. 527,211, published Sept. 28, 1948.
Anesthetising, Local, nerve blocking tablets, local anesthetising, nerve blocking powders, etc. A. E. Smith. 505,366, Jan. 4; Serial No. 527,215, published Sept. 28, 1948.
Antibiotic with vasoconstrictor. Wyeth, Incorporated. 505,463, Jan. 4; Serial No. 543,250, published Sept. 28, 1948.
Antiseptic and disinfectant. H. H. Fries. 289,719, Dec. 1, 1931. Republished Jan. 4.
Baking powder and bluing, gloss starch, and salt for food purposes. Kansas City Wholesale Grocery Co. 225,186, Mar. 15, 1927. Republished Jan. 4.
Bleaching, cleansing, antiseptic and germicidal compound. Clorox Chemical Co. 505,456, Jan. 4; Serial No. 542,285, published Sept. 28, 1948.
Carboxymethyl cellulose. Hercules Powder Company. 505,462, Jan. 4; Serial No. 543,181, published Sept. 7, 1948.
Chemical mixture. Paradise Products Corporation. 505,490–1, Jan. 4; Serial Nos. 549,746–7, published Sept. 28, 1948.
Chemical, pharmaceutical, and biological preparations. Woodard Laboratories, Inc. 441,809, Jan. 4; Serial No. 525,470, published Sept. 28, 1948.
Chemical preparation. Hood Chemical Co., Inc. 505,459, Jan. 4; Serial No. 542,470, published Sept. 28, 1948.
Chemical preparation. Rohloff Manufacturing Company. 505,383, Jan. 4; Serial No. 526,974, published Sept. 28, 1948.
Chemo-therapeutic substances. Givaudan-Delawanna, Inc. 505,374, Jan. 4; Serial No. 528,345, published Mar. 23, 1949.
Chlorid or ethyl. H. H. Fries. 63,705, July 2, 1907. Republished Jan. 4.
Compositions in the nature of electrolytes and addition agents. Poor & Company. 505,483, Jan. 4; Serial No. 547,148, published Sept. 28, 1948.
Compound, Liquid. Patek and Co. 441,761, Jan. 4; Serial No. 505,915, published Sept. 28, 1948.
Cosmetic sets. Avon Products, Inc. 434,678, Dec. 2, 1947. Republished Jan. 4.
Cosmetics. Whitehall Pharmacal Company. 505,499, Jan. 4; Serial No. 552,300, published Sept. 28, 1948.
Cough drops, Medicated. M. Stein. 441,743, Jan. 4; Serial No. 477,533, published June 12, 1945.
Cream, Cleansing. Royal Drug Company. 341,426, Dec. 8, 1936. Republished Jan. 4.
Cream, Hand bleaching, face cream, face bleaching cream, etc. V. Fisher. 441,788, Jan. 4; Serial No. 519,577, published Sept. 28, 1948.
Dentifrices in form of fluids, powders or paste. Yaso Medicinal, S. A. 441,794, Jan. 4; Serial No. 520,489, published Sept. 28, 1948.
Diaper wash. W. F. Hetman. 505,410, Jan. 4; Serial No. 534,777, published Sept. 28, 1948.
Disinfectant, Perfumed, and hospital germicide. Huntington Laboratories, Inc. 434,230, Nov. 11, 1947. Republished Jan. 4.
Disinfectants. Rockland Chemical Co. 246,734, renewed Sept. 11, 1948. O. G. Jan. 4.
Dressing for the nipples of nursing mothers. Swan-Myers Company. 254,532, renewed Mar. 26, 1949. O. G. Jan. 4.
Dyes and dyestuffs. General Dyestuff Corporation. 505,377, Jan. 4; Serial No. 528,565, published Sept. 28, 1948.
Dyestuffs. General Dyestuff Corporation. 505,336, Jan. 4; Serial No. 512,328, published Sept. 7, 1948.
Dyestuffs and intermediates. Wetterwald & Pfister Company, Inc. 250,438, renewed Dec. 11, 1948. O. G. Jan. 4.
Effervescent alkalising preparation. Effervescent Products, Inc. 352,413, Nov. 30, 1937. Republished Jan. 4.
Ethyl protocatechuic aldehyde. H. H. Fries. 249,714, Nov. 20, 1928. Republished Jan. 4.
Face powder. Florian Inc. 194,742, Feb. 10, 1925. Republished Jan. 4.
Face powder. Lucien Lelong, Inc. 505,389, Jan. 4; Serial No. 530,213, published Sept. 28, 1948.
Fixer for X-ray films. Picker X-Ray Corporation. 419,111, Feb. 5, 1946. Republished Jan. 4.
Flame proofing compound. The Selig Company. 505,359, Jan. 4; Serial No. 524,354, published Sept. 21, 1948.
Flooring composition, completed flooring, stucco composition, etc. Selby, Battersby & Co. 204,448–9, Oct. 20, 1923. Republished Jan. 4.
Fuel gas, Hydrocarbon and manufactured. C. W. Potter. 505,334, Jan. 4; Serial No. 507,417, published Sept. 28, 1948.
Gas in portable tanks. Roxana Petroleum Corporation. 253,361, renewed Feb. 26, 1949. O. G. Jan. 4.
Gas used in the industrial arts, A highly refined. Acetogen Associates, Inc. 423,736, Sept. 10, 1946. Republished Jan. 4.
Gases, Compressed. National Cylinder Gas Company. 401,145, Apr. 27, 1943. Republished Jan. 4.
Germicide and fungicide. H. H. Fries. 272,208, July 1, 1930. Republished Jan. 4.
Hair salves, hair elixirs, dandruff preparation, etc. Normany Products Company. 292,873, Mar. 29, 1932. Republished Jan. 4.
Hair tonics, hair restorer. Gallagher-Thomas Chemical Co. 254,466, renewed Mar. 26, 1949. O. G. Jan. 4.
Inorganic chemicals. The Solvay Process Company. 251,430, renewed Jan. 8, 1949. O. G. Jan. 4.
Insecticides. Standard Oil Company. 441,806, Jan. 4; Serial No. 525,126, published Sept. 28, 1948.

Insecticides and moth preventative and exterminator. The Diversey Corporation. 505,438, Jan. 4; Serial No. 539,290, published Sept. 28, 1948.
Lanolin, Anhydrous, technical lanolin, etc. I. W. Malmstrom. 441,778, Jan. 4; Serial No. 513,435, published Sept. 28, 1948.
Laundry-starch polish. E. A. Bromund Company. 87,419, July 16, 1912. Republished Jan. 4.
Laxative medicine in tablet form. The Dill Co. 322,292, Mar. 5, 1935. Republished Jan. 4.
Laxatives, Chocolated, cold laxatives, chewing gum laxatives, etc. Tru-Pak Products Corp. 441,744, Jan. 4; Serial No. 490,555, published Sept. 28, 1948.
Liniment. The Troy Chemical Co. 249,276, renewed Nov. 13, 1948. O. G. Jan. 4.
Liniment, All-purpose. Leake Chemical Company. 505,346, Jan. 4; Serial No. 519,074, published Sept. 28, 1948.
Liquid compounds for the prevention of freezing and boiling of water, etc. National Carbon Company, Inc. 250,542, Dec. 11, 1928. Canceled Nov. 29, 1946. O. G. Jan. 4.
Lye. B. T. Babbitt, Inc. 505,387, Jan. 4; Serial No. 529,863, published Sept. 21, 1948.
Make-up preparation, Foundation. Lucien Lelong, Inc. 505,391, Jan. 4; Serial No. 530,222, published Sept. 28, 1948.
Masking solution. Mallinckrodt Chemical Works. 505,357, Jan. 4; Serial No. 523,403, published Aug. 31, 1948.
Medicinal preparation. J. U. Korée. 441,801, Jan. 4; Serial No. 522,930, published Sept. 28, 1948.
Medicinal preparation. Sandoz Chemical Works, Inc. 505,446, Jan. 4; Serial No. 540,721, published Sept. 28, 1948.
Medicinal preparations. Anabolic Food Products, Inc. 505,335, Jan. 4; Serial No. 509,489, published Aug. 31, 1948.
Medicine for fowl. J. H. Gum. 505,502. Jan. 4; Serial No. 555,265, published Sept. 28, 1948.
Nerve sedative. Dr. Miles Medical Company. 255,380, Apr. 23, 1929. Republished Jan. 4.
Nitrous oxide, carbon dioxide, insecticides, etc. W. B. Threm. 441,804, Jan. 4; Serial No. 524,259, published Sept. 28, 1948.
Ointment. W. B. Sellmer. 505,427, Jan. 4; Serial No 537,625, published Sept. 28, 1948.
1-methyl-3-dimethyl-cyclohexanol-(5). Fries Bros., Inc. 407,446, June 6, 1944. Republished Jan. 4.
Perfume. J. B. Nethercutt. 441,772, Jan. 4; Serial No. 510,856, published Sept. 28, 1948.
Perfumes and eaux de cologne. S. A. Luxana. 441,789, Jan. 4; Serial No. 519,588, published Sept. 28, 1948.
Perfumes, colognes, toilet waters, etc. Lucien Lelong, Inc. 505,390, Jan. 4; Serial No. 530,219, published Sept. 28, 1948.
Perfumes, colognes, toilet waters, etc. Lucien Lelong, Inc. 505,393, Jan. 4; Serial No. 530,225, published Sept. 28, 1948.
Perfumes, colognes, toilet waters, etc. Lucien Lelong, Inc. 505,406, Jan. 4; Serial No. 534,159, published Sept. 28, 1948.
Perfumes, lipsticks, rouge, etc. La Florida, S. A. 441,803, Jan. 4; Serial No. 523,898, Sept. 28, 1948.
Perfumes, toilet waters, colognes, etc. Ramler, Société à Responsabilité Limitée. 441,800, Jan. 4; Serial No. 522,927, published Sept. 28, 1948.
Pharmaceutical preparation. F. Carbonaro. 505,445, Jan. 4; Serial No. 540,382, published Sept. 7, 1948.
Pharmaceutical preparation. Cib Pharmaceutical Products, Inc. 505,480. Jan. 4; Serial No. 546,760, published Sept. 28, 1948.
Pharmaceutical preparations. F. Trenka. 198,187, renewed May 5, 1945. O. G. Jan. 4.
Photographic chemicals. C. E. Payne. 505,501, Jan. 4; Serial No. 555,009, published Sept. 28, 1948.
Pine oil, Emulsifiable. Newport Industries, Inc. 373,905, Dec. 26, 1939. Republished Jan. 4.
Preparation containing specially processed extracted animal liver meal, carotene extract, etc. World Products Corp. 505,476, Jan. 4; Serial No. 545,319, published Aug. 3, 1948.
Preparation for neutralising and overcoming alcoholic and similar breath odors. J. Roy Allen. 330,335, Nov. 26, 1935. Republished Jan. 4.
Preparation for the relief of nervousness, etc. Glen Medical Company, Inc. 505,423, Jan. 4; Serial No. 537,449, published Sept. 28, 1948.
Preparations in powder and cigarette form. The J. H. Guild Company Inc. 505,486, Jan. 4; Serial No. 548,815, published Sept. 21, 1948.
Remedy for hard corns. Dr. Camden Woofter. 95,504, Feb. 17, 1914. Republished Jan. 4.
Remedy for phthisis. F. Hoffmann-La Roche & Cie. 32,563, renewed Feb. 28, 1949. O. G. Jan. 4.
Replenisher for developer for X-ray. Picker X-Ray Corporation. 416,742, Sept. 25, 1945. Republished Jan. 4.
Resin for use in a tackifier, plasticiser, etc. Newport Industries, Inc. 407,882, July 4, 1944. Republished Jan. 4.
Rouge and lipstick. Lucien Lelong, Inc. 505,392, Jan. 4; Serial No. 530,223, published Sept. 28, 1948.
Rouges, dusting powders, sachet powders, etc. Lucien Lelong, Inc. 505,405, Jan. 4; Serial No. 534,158, published Sept. 28, 1948.
Round worm remedy, chocolate coated laxative, tooth paste, etc. Furst-McNess Company. 505,354, Jan. 4; Serial No. 522,841, published Sept. 28, 1948.
Salicylate, iodide with alkali buffers in an effervescent tablet. Effervescent Products, Inc. 352,878, Dec. 14, 1937. Republished Jan. 4.
Scenting extracts, eau de cologne, scenting lotions, etc. Union des Parfumeurs de France (U. P. F.). 441,776, Jan. 4; Serial No. 512,725, published Sept. 28, 1948.
Solution applied to lithographic paper plates. Columbia Ribbon & Carbon Manufacturing Company, Inc 505,441, Jan. 4; Serial No. 540,176, published Sept. 28, 1948.
Solution to be used as a test for urine. Menley & James; Limited. 252,606, Feb. 12, 1929. Republished Jan. 4.
Solvent, Liquid. H. H. Fries. 265,227, Dec. 17, 1929. Republished Jan. 4.
Solvents for flavoring extracts. Fries Bros., Inc. 505,471, Jan. 4; Serial No. 544,260, published Sept. 28, 1948.
Sulfathiazole compound. P. M. Turnbull. 505,484, Jan. 4; Serial No. 547,376, published Sept. 28, 1948.
Sweeteners, Powdered or liquid, saccharine substances, and benzoic sulfinids. Fries Bros. 31,790, July 5, 1898. Republished Jan. 4.
Tablet, Reagent. Ames Company, Inc. 421,386, May 28, 1946. Republished Jan. 4.
Tablets, Alkaline effervescent. Effervescent Products, Inc. 384,076, Jan. 7, 1941. Republished Jan. 4.
Tablets, Effervescent. Ames Company, Inc. 413,584, May 1, 1945. Republished Jan. 4.
Toilet waters, perfumed powder sachets, face and talcum powders, etc. D'Orsay Perfumeries Corporation. 505,485, Jan. 4; Serial No. 548,347, published Sept. 28, 1948.
Toiletries, Men's. Avon Products, Inc. 434,690, Dec. 2, 1947. Republished Jan. 4.
Tonic. Indo-Vin, Inc. 316,848, Sept. 4, 1934. Republished Jan. 4.
Tonic, General. L. N. Renault & Sons, Inc. 249,037, renewed Nov. 6, 1948. O. G. Jan. 4.
Tonics, Nutritive. Jamieson Pharmacal Company. 540,400, Jan. 4; Serial No. 531,673, published Sept. 28, 1948.
Vitamin and mineral preparations. Anabolic Food Products, Inc. 505,343, Jan. 4; Serial No. 515,526, published Aug. 31, 1948.
Vitamin preparations, Multiple. Ayerst, McKenna & Harrison Limited. 505,496, Jan. 4; Serial No. 550,574, published Sept. 28, 1948.
Wafers containing dicalcium phosphate and viosterol. Jamieson Pharmacal Company. 540,401, Jan. 4; Serial No. 531,676, published Sept. 28, 1948.

CLASS 7

Cord, Sash, clothes-line and rope. Anco Corporation. 505,481, Jan. 4; Serial No. 546,940, published Sept. 21, 1948.
Rope, Wire, cable and cord. John A. Roebling's Sons Company. 505,472, Jan. 4; Serial No. 544,286, published Sept. 28, 1948.
Twines, string, sash cord, etc. Charles C. Davis and Company. 505,348, Jan. 4; Serial No. 519,180, published Sept. 21, 1948.
Wire, wire rope, and cables. The Colorado Fuel and Iron Corporation. 505,447, Jan. 4; Serial No. 540,982, published Sept. 21, 1948.

CLASS 8

Cigar, cigarette, and pipe lighters, etc. Lektrolite Corporation. 441,807, Jan. 4; Serial No. 525,222, published Sept. 28, 1948.
Flints. Ronson Art Metal Works, Inc. 505,333, Jan. 4; Serial No. 506,962, published Sept. 28, 1948.
Pipes, Smoking. March Corporation. 441,755, Jan. 4; Serial No. 501,994, published Dec. 21, 1946.
Pipes, Tobacco. F. Schneider. 505,536, Jan. 4; Serial No. 532,030.

CLASS 10

Fertilizers. New Orleans Acid & Fertilizer Company. 73,337, re-renewed Apr. 13, 1949. O. G. Jan. 4.

CLASS 11

Carbon black for use in the manufacture of ink. Godfrey L. Cabot, Inc. 305,440, Jan. 4; Serial No. 540,167, published Sept. 28, 1948.
Inking ribbons. Burroughs Adding Machine Company. 505,355, Jan. 4; Serial No. 522,976, published Sept. 28, 1948.
Inking ribbons. Burroughs Adding Machine Company. 505,356, Jan. 4; Serial No. 523,149, published Sept. 28, 1948.

CLASS 12

Brick, Acid-proof. Harbison-Walker Refractories Company. 331,438, Jan. 7, 1936. Republished Jan. 4.
Brick, Fire. Harbison-Walker Refractories Company. 353,278, Dec. 28, 1937. Republished Jan. 4.

Brick, Fire. Harbison-Walker Refractories Company. 415,351, Aug. 7, 1945. Republished Jan. 4.
Brick, Fire, and refractory cements. Harbison-Walker Refractories Company. 188,715, Sept. 2, 1924. Republished Jan. 4.
Brick, Refractory, insulating, and acid-proof. Harbison-Walker Refractories Company. 321,533, Feb. 5, 1935. Republished Jan. 4.
Bricks, Fire. Harbison-Walker Refractories Company. 315,912, Aug. 14, 1943. Republished Jan. 4.
Building materials, Structural iron and steel. Concrete Engineering Company. 118,162, Aug. 21, 1917. Republished Jan. 4.
Cement, Refractory. Harbison-Walker Refractories Company. 154,043, Apr. 4, 1922. Republished Jan. 4.
Cement, Refractory. Harbison-Walker Refractories Company. 160,206, Oct. 17, 1922. Republished Jan. 4.
Cement, Refractory. Harbison-Walker Refractories Company. 310,762, Mar. 6, 1934. Republished Jan. 4.
Columns, Steel supporting, metal window, etc. James Manufacturing Company. 250,539, renewed Dec. 11, 1948. O. G. Jan. 4.
Firebrick, Plastic. Mexico Refractories Company. 505,454, Jan. 4; Serial No. 541,857, published Aug. 31, 1948.
Flooring composition, completed flooring, stucco composition, etc. Selby, Battersby & Co. 204,448–9, Oct. 20, 1925. Republished Jan. 4.
Lumber. Bolcom Canal Lumber Co. 172,134, Aug. 21, 1923. Republished Jan. 4.
Plywood and plywood blocks for strip flooring. The Bestline Corporation. 505,554, Jan. 4; Serial No. 544,031.
Shingles and siding. Sherriff-Goslin Co. 364,392, Jan. 31, 1939. New certificate. O. G. Jan. 4.
Shingles, metal laths, etc., Metal. Penn Metal Company. 305,044, July 25, 1933. Canceled Nov. 19, 1948. O. G. Jan. 4.
Shingles, Wooden. C. E. Putman. 265,538–9, Dec. 31, 1929. Republished Jan. 4.
Wood, slate, composition, etc. C. E. Putman. 255,478, Apr. 23, 1929. Republished Jan. 4.

CLASS 13

Atomisers, Oil burner. Harvey-Whipple, Incorporated. 349,785, Sept. 7, 1937. Republished Jan. 4.
Gas pressure regulators. National Cylinder Gas Company. 410,773, Dec. 19, 1944. Republished Jan. 4.
Glasiers' points. Snell-Jones Tack Corporation. 368,758, June 27, 1939. Republished Jan. 4.
Nozzle, Fire-extinguishing. Ansul Chemical Company. 505,520, Jan. 4; Serial No. 507,707.
Nozzles and nozzle-casings. Wayne Oil Tank & Pump Company. 139,050, Jan. 18, 1921. Republished Jan. 4.
Valves, Brass and iron, and brass, malleable and gray iron pipe fittings for plumbing, etc. Jarecki Manufacturing Co. 505,528, Jan. 4; Serial No. 514,958.
Valves, Flush. Sloan Valve Company. 255,451, Apr. 23, 1929. Republished Jan. 4.
Valves, Flush. Sloan Valve Company. 284,196, June 16, 1931. Republished Jan. 4.
Valves, Flush. Sloan Valve Company. 284,212, June 16, 1931. Republished Jan. 4.
Valves for use in water supply systems. Sloan Valve Company. 271,429, June 3, 1930. Republished Jan. 4.
Valves for water supply system, Flush. Sloan Valve Company. 410,682, Dec. 12, 1944. Republished Jan. 4.
Valves, Steam and water. The Fairbanks Company. 505,544, Jan. 4; Serial No. 533,869.

CLASS 14

Castings, Permanent mold gray iron. Eaton Manufacturing Company. 505,519, Jan. 4; Serial No. 507,115.
Copper and copper alloy welding rods. Chase Brass & Copper Co. Incorporated. 399,595, Jan. 19, 1943. Republished Jan. 4.

CLASS 15

Gasoline. The Cincinnati Oil Works Co. 262,469, Oct. 15, 1929. Republished Jan. 4.
Gasoline. The Elco Petroleum Company. 187,280, July 29, 1924. Republished Jan. 4.
Grease, Lead base lubricating. The Elco Grease & Oil Company. 292,691, Mar. 22, 1932. Republished Jan. 4.
Greases, Lubricating, and lubricating oils. Panhard Oil Corporation. 257,541, June 11, 1929. Republished Jan. 4.
Oil, Lubricating. A. T. Stratton. 422,620, Aug. 6, 1946. Republished Jan. 4.
Oils and greases, Lubricating. The Elco Grease and Oil Company. 349,996, Sept. 14, 1937. Republished Jan. 4.
Oils and greases, Lubricating. The Elco Grease and Oil Company. 387,690, May 27, 1941. Republished Jan. 4.
Oils and greases, Lubricating. The Pennzoil Company. 254,976, renewed Apr. 2, 1949. O. G. Jan. 4.

CLASS 16

Carbon black. The Grasselli Chemical Company. 244,116, July 10, 1928. Republished Jan. 4.
Coating material, in sprayable form, Rust, corrosion, and abrasive resistant rubberized. Minnesota Mining & Manufacturing Company. 441,797, Jan. 4; Serial No. 521,356, published Sept. 14, 1948.
Lacquers; varnishes; paint enamels, etc. Atlas Powder Company. 505,341, Jan. 4; Serial No. 514,930, published Sept. 14, 1948.
Liquid substitute for turpentine. Seidlits Paint & Varnish Co. 505,414, Jan. 4; Serial No. 536,159, published Sept. 14, 1948.
Oil for mops. Gem Hammock & Fly Net Company. 152,785, Mar. 7, 1922. Republished Jan. 4.
Oil substitutes for paints and varnishes, Drying. Newport Industries, Inc. 402,941, Aug. 24, 1943. Republished Jan. 4.
Paint and varnish remover. The Smith-Alsop Paint and Varnish Company. 424,289, Oct. 1, 1946. Republished Jan. 4.
Paint enamel. Great Lakes Varnish Works, Inc. 505,408, Jan. 4; Serial No. 534,273, published Aug. 10, 1948.
Paint enamel for exterior use. The Smith-Alsop Paint & Varnish Company. 304,176, June 27, 1933. Republished Jan. 4.
Paint enamels, dry, ready mixed, and paste paints, varnishes, polishes, etc. Star-Brite Paint Co. 341,883, Dec. 29, 1936. Republished Jan. 4.
Paint for use upon cement floors. The Smith-Alsop Paint and Varnish Company. 199,379, June 9, 1925. Republished Jan. 4.
Paint in liquid form, White. M. J. Merkin Paint Co., Inc. 505,436, Jan. 4; Serial No. 539,068, published Sept. 14, 1948.
Paint, Paste, and paint enamel. Great Lakes Varnish Works, Inc. 505,407, Jan. 4; Serial No. 534,272, published Aug. 10, 1948.
Paints and enamels. Boston Varnish Company. 129,333. Feb. 17, 1920. Republished Jan. 4.
Paints both paste and liquid, varnishes, etc. Walter N. Boysen Co. 441,799, Jan. 4; Serial No. 522,721, published Sept. 14, 1948.
Paints, Mixed. The Sherwin-Williams Company. 67,166, Jan. 21, 1908. Republished Jan. 4.
Paints, Paste and ready-mixed. The Smith-Alsop Paint and Varnish Company. 206,095, Nov. 24, 1925. Republished Jan. 4.
Paints, Ready-mixed, colors in oil, paints for masonry, etc. Hampden Color and Chemical Company. 441,782, Jan. 4; Serial No. 515,835, published Sept. 14, 1948.
Paints, Ready-mixed and paste, varnishes, paint enamels, etc. Enterprise Paint Mfg. Co. 169,451, June 19, 1923. Republished Jan. 4.
Paints, Ready-mixed, wood stains, and paint enamels. Chicago Paints, Inc. 505,431, Jan. 4; Serial No. 538,371, published Sept. 14, 1948.
Polish for furniture, automobiles, floors, woodwork, etc. The Gem Hammock & Fly Net Company. 138,246, Dec. 21, 1920. Republished Jan. 4.
Polish, Oil type furniture, white emulsion furniture polish, etc. Gem Products, Inc. 408,188, July 25, 1944. Republished Jan. 4.
Solvents for lacquers and synthetic enamels, Hydrocarbon. Velsical Corporation. 505,383, Jan. 4; Serial No. 529,322, published Sept. 14, 1948.
Varnish for linoleum. The Smith-Alsop Paint and Varnish Company. 315,497, July 31, 1934. Republished Jan. 4.
Varnish stains, paint enamels, spar varnish, etc. The Con-Ferro Paint and Varnish Company. 335,579, June 9, 1936. Republished Jan. 4.
Varnishes; ready-mixed, dry, and paste paints; oil and varnish stains; etc. The American Varnish Company. 505,331, Jan. 4; Serial No. 499,461, published Sept. 14, 1948.
Wall-finish, iron-enamel, mixed paint, varnish stain, oil stain, etc. Wadsworth-Howland Company. 150,639, Jan. 3, 1922. Republished Jan. 4.
Wood filler, enamels, paints, and varnishes. The Smith-Alsop Paint and Varnish Company. 195,384, Feb. 24, 1925. Republished Jan. 4.

CLASS 17

Cigars. G. H. P. Cigar Company, Inc. 203,569, Sept. 22, 1925. Republished Jan. 4.
Cigars. Grandias, Annis & Co., Inc. 505,556, Jan. 4; Serial No. 552,309.
Cigars. Tampa Importers, Inc. 334,671, May 12, 1936. Canceled Nov. 24, 1948. O. G. Jan. 4.
Stogies. H. Haslett. 62,837, May 28, 1907. Republished Jan. 4.
Stogies. H. Haslett. 63,310–11, June 11, 1907. Republished Jan. 4.
Tobacco, Smoking. Philip Morris & Co. Ltd. Incorporated. 505,451, Jan. 4; Serial No. 541,693, published Sept. 28, 1948.

CLASS 19

Airplanes and structural parts therefor. Lockheed Aircraft Corporation. 505,362, Jan. 4; Serial No. 526,986, published Aug. 31, 1948.
Automotive vehicles. N. P. Zbrojovka Brn. 505,449, Jan. 4; Serial No. 541,366, published Sept. 14, 1948.
Bicycle drawn carts. Merrill and McKinney. 441,784, Jan. 4; Serial No. 517,580, published Aug. 24, 1948.

Boats, Small, dinghies, tenders, etc. Island Creek Boat Shop. 441,792, Jan. 4; Serial No. 520,219, published Aug. 24, 1948.
Boxes, trucks, cans, barrels, etc. Rogers Fibre Company. 237,231, Jan. 3, 1928. Republished Jan. 4.
Brake shoes, Automobile, shock absorbers, and caps for automobile hubs, etc. Pick Manufacturing Company. 505,460, Jan. 4; Serial No. 542,648, published Aug. 24, 1948.
Canoes and row boats. G. Zavadil. 441,759, Jan. 4; Serial No. 504,816, published Aug. 24, 1948.
Heaters, Vehicle. E. A. Laboratories, Inc. 505,448, Jan. 4; Serial No. 541,100, published Aug. 24, 1948.
House trailers. D. R. Boles. 505,490, Jan. 4; Serial No. 537,869, published Sept. 14, 1948.
Motorcycles. G. M. Hendee. 39,008, Oct. 7, 1902. Republished Jan. 4.
Strollers, Walker, and strollers. The Frank F. Taylor Company. 505,450, Jan. 4; Serial No. 541,602, published Aug. 24, 1948.
Trailer trucks and self-propelled load hauling trucks. R. G. Le Tourneau, Inc. 441,774, Jan. 4; Serial No. 511,688, published Sept. 7, 1948.
Truck bodies, truck cabs, and tractor cabs. L. J. Gebrlein. 441,757, Jan. 4; Serial No. 502,972, published Sept. 14, 1948.
Vehicle suspensions. The Firestone Tire & Rubber Company. 441,749, Jan. 4; Serial No. 497,854, published Sept. 14, 1948.
Vehicle wheel rims. The Goodyear Tire & Rubber Company. 505,394, Jan. 4; Serial No. 530,308, published Sept. 21, 1948.

CLASS 21

Automobile accessories. Inter-State Auto Parts Co., Inc. 247,855, renewed Sept. 25, 1948. O. G. Jan. 4.
Cambric tape, used for electrical insulation purposes, Yellow varnished. Irvington Varnish & Insulator Co. 424,948, Oct. 29, 1946. Republished Jan. 4.
Electric welding apparatus and direct current welding apparatus, Alternating current. National Cylinder Gas Company. 401,176, Apr. 27, 1943. Republished Jan. 4.
Electric wire, Insulated. The Whitney Blake Company. 421,195, May 21, 1946. Republished Jan. 4.
Electric wire, Insulated. The Whitney Blake Company. 427,000, Jan. 21, 1947. Republished Jan. 4.
Electrical apparatus comprising oscillators, vibrators, and rectifiers. Good-All Electric Manufacturing Company. 505,523, Jan. 4; Serial No. 512,499.
Electrical insulation material. Irvington Varnish & Insulator Co. 185,527, June 17, 1924. Republished Jan. 4.
Electrically heated blankets. Marshall Field & Company. 434,737, Dec. 2, 1947. Republished Jan. 4.
Fabricated material for electrical insulation, Laminated. National Vulcanized Fibre Co. 210,431, Mar. 16, 1926. Republished Jan. 4.
Heaters, Electric water. Bastian-Morley Co. 248,676, renewed Oct. 30, 1948. O. G. Jan. 4.
Heating units, Electric, and electric heaters. Edwin L. Wiegand Company. 505,368, Jan. 4; Serial No. 527,671, published Sept. 21, 1948.
Heating units, Electric, and electric heaters. Edwin L. Wiegand Company. 505,369, Jan. 4; Serial No. 527,865, published Sept. 21, 1948.
Mechanically and electrically operated door opening mechanism, Combination. The Vendo Company. 505,526, Jan. 4; Serial No. 513,959.
Plug fuses, Electric. Cable Electric Products, Inc. 505,555, Jan. 4; Serial No. 546,756.
Switches and fuses, Electric. W. N. Matthews Corporation. 505,365, Jan. 4; Serial No. 527,213, published Sept. 21, 1948.
Tubing for electrical insulation, Extruded plastic. Irvington Varnish & Insulator Co. 393,129, Jan. 27, 1942. Republished Jan. 4.
Tubing for electrical insulation, Extruded plastic. Irvington Varnish & Insulator Co. 397,541–2, Sept. 8, 1942. Republished Jan. 4.
Tubing for electrical insulation, Extruded plastic. Irvington Varnish & Insulator Co. 402,320, July 13, 1943. Republished Jan. 4.
Tubing for electrical insulation, Extruded plastic. Irvington Varnish & Insulator Co. 405,222, Jan. 11, 1944. Republished Jan. 4.
Tubing for electrical insulation, Varnished. Irvington Varnish & Insulator Co. 393,180, Jan. 27, 1942. Republished Jan. 4.
Wire and cables, Insulated. The Whitney Blake Company. 106,128, Oct. 12, 1915. Republished Jan. 4.
Wires and cables, Insulated. The Whitney Blake Company. 402,190, July 6, 1943. Republished Jan. 4.
Wires and cables, Insulated. The Whitney Blake Company. 406,670, Apr. 18, 1944. Republished Jan. 4.

CLASS 22

Baby toys. Tykie Toy Company. 389,077, July 22, 1941. Republished Jan. 4.
Golf clubs. The Crawford, McGregor and Canby Company. 188,932, Sept. 9, 1924. Republished Jan. 4.
Golf clubs and golf balls. The Crawford, McGregor & Canby Company. 137,977, Dec. 14, 1920. Republished Jan. 4.
Playing cards, noise makers, etc. Cavendish Trading Corporation. 413,447, Apr. 24, 1945. Republished Jan. 4.
Skates, Roller, golf clubs, golf balls, fishing lines, etc. Cavendish Trading Corporation. 412,736, Mar. 20, 1945. Republished Jan. 4.
Target throwing devices. O. F. Mossberg & Sons, Inc. 382,319, Oct. 22, 1940. Republished Jan. 4.
Targets and clay pigeons. O. F. Mossberg & Sons, Inc. 383,234, Nov. 26, 1940. Republished Jan. 4.
Trapshooting game. O. F. Mossberg & Sons, Inc. 384,990, Feb. 11, 1941. Republished Jan. 4.

CLASS 23

Agricultural machinery. Minneapolis-Moline Power Implement Company. 505,375, Jan. 4; Serial No. 528,361, published Sept. 14, 1948.
Automotive service equipment. J. D. Cochin. 441,785, Jan. 4; Serial No. 517,620, published Sept. 7, 1948.
Bearings and bushings. Bound Brook Oil-Less Bearing Company. 202,397–8, Aug. 18, 1925. Republished Jan. 4.
Bushings, Self-lubricating trolley-wheel, and metal and graphite bearings and bushings. The Graphite Lubricating Company. 116,521, May 8, 1917. Republished Jan. 4.
C-clamps. The Cincinnati Tool Company. 505,397, Jan. 4; Serial No. 530,719, published Sept. 21, 1948.
Calk extractors, Horse shoe; calk punches, picks, etc. Diamond Calk Horse Shoe Company. 421,445, June 4, 1946. Republished Jan. 4.
Card grinding machines, Textile; textile roller, bowl and cylinder grinding machines; etc. Dronsfield Brothers, Ltd. 441,742, Jan. 4; Serial No. 474,401, published Sept. 21, 1948.
Carpet-sweepers, Hand-operated suction. The Scott & Fetzer Company. 131,367, May 11, 1920. Republished Jan. 4.
Choppers, Meat, vegetable and food; pruners, tinners, etc. The Henkel-Clauss Co. 136,455, Nov. 2, 1920. Republished Jan. 4.
Conveying machinery, Vertical and horizontal. Samuel Olson Manufacturing Company, Inc. 328,933, Oct. 8, 1935. Republished Jan. 4.
Covers for ingot molds. Harbison-Walker Refractories Company. 369,116, July 18, 1939. Republished Jan. 4.
Cutter for cutting miters in wood. The Pootatuck Corporation. 441,770, Jan. 4; Serial No. 510,274, published Sept. 21, 1948.
Dishwashing machines. Lake States Products, Inc. 505,367, Jan. 4; Serial No. 527,524, published Sept. 21, 1948.
Fertiliser distributors. Columbus Iron Works Company. 362,981, Dec. 6, 1938. Republished Jan. 4.
Fire extinguishing equipment, Portable hand and wheel-mounted. Ansul Chemical Company. 441,751, Jan. 4; Serial No. 498,395, published Sept. 21, 1948.
Grinders, Face, shapers, catheads, etc. General Engineering & Mfg. Co. 505,824, Jan. 4; Serial No. 464,942, published Sept. 21, 1948.
Heel sweeps for cultivators. Columbus Iron Works Co. 212,785, May 11, 1926. Republished Jan. 4.
Hoists, Differential. Chisholm-Moore Hoist Corporation. 251,382, renewed Jan. 8, 1949. O. G. Jan. 4.
Internal-combustion engines. Hendee Manufacturing Company. 103,727–8, Apr. 18, 1915. Republished Jan. 4.
Jigger, ice mallet, cork puller, and bottle decapper, Combination. Tempro, Incorporated. 441,760, Jan. 4; Serial No. 505,366, published Sept. 21, 1948.
Loom supplies. Graton & Knight Company. 391,414, Nov. 4, 1941. Republished Jan. 4.
Loom supplies. Graton & Knight Company. 393,756, Mar. 3, 1942. Republished Jan. 4.
Loom supplies. Graton & Knight Company. 393,768, Mar. 3, 1942. Republished Jan. 4.
Lubricant-dispensing apparatus, Portable. Lincoln Engineering Company. 505,332, Jan. 4; Serial No. 506,325, published Sept. 21, 1948.
Machine-bearings, bushings, and thrust bearings of washer type, Metal and graphite. The Graphite Lubricating Company. 83,488, Sept. 19, 1911. Republished Jan. 4.
Machinery bearings, bushings, and machine parts. Bound Brook Oil-Less Bearing Company. 395,576, June 2, 1942. Republished Jan. 4.
Machinery bearings, bushings, machine parts, etc. Bound Brook Oil-Less Bearing Company. 379,698, July 23, 1940. Republished Jan. 4.
Machines for grinding, cracking, and otherwise treating coffee and chaff. Jabez Burns & Sons, Inc. 238,672, Feb. 14, 1928. Republished Jan. 4.
Molding machines, Hand-operated plastic injection. N. R. K. Mfg. & Engineering Co. 441,779, Jan. 4; Serial No. 514,132, published Sept. 7, 1948.
Openers, Hand manipulable can. R. H. Clark. 505,873, Jan. 4; Serial No. 527,877, published Sept. 7, 1948.
Package tying machines. B. H. Bunn Company. 505,878, Jan. 4; Serial No. 528,689, published Sept. 21, 1948.
Perforators, Motion picture film, motion picture film perforator exhausters, etc. Bell & Howell Company. 130,637, May 4, 1920. Republished Jan. 4.
Pipe working machines, threading machines, reaming machines, etc. Beaver Pipe Tools, Inc. 505,829, Jan. 4; Serial No. 492,803, published Sept. 21, 1948.

Plows. Columbus Iron Works Co. 281,717, Mar. 24, 1931. Republished Jan. 4.
Power-hammers and trip-hammers. Barbour Stockwell Company. 294,165–6, May 17, 1932. Republished Jan. 4.
Power operated machines, Portable hand and wheel mounted. Innis, Speiden & Co. 505,395, Jan. 4; Serial No. 530,511, published Sept. 7, 1948.
Power tranamissions, clutches, fluid wheels for power transmission through fluid means, Mechanical. Borg-Warner Corporation. 505,326, Jan. 4; Serial No. 480,734, published Sept. 21, 1948.
Pump plungers, Porcelain. The Aldrich Pump Company. 238,075, Dec. 6, 1927. Republished Jan. 4.
Pumps for internal combustion engines, Fuel. Ireland & Matthews Manufacturing Company. 205,145, Nov. 3, 1925. Republished Jan. 4.
Switches and switch stands for railroads, Mechanical. Cleveland Frog & Crossing Co. 505,388, Jan. 4; Serial No. 529,963, published Sept. 21, 1948.
Tool handle. Somar Specialty Corp. 441,745, Jan. 4; Serial No. 491,219, published Sept. 7, 1948.
Winches designed to be powered by an internal combustion engine. A. W. Evans. 505,524, Jan. 4; Serial No. 512,828.
Wrenches and pliers. Barcalo Manufacturing Company. 403,467, Sept. 28, 1943. Republished Jan. 4.

CLASS 24

Dry-cleaning machines. Star Equipment Corporation. 505,432, Jan. 4; Serial No. 538,466, published Sept. 7, 1948.

CLASS 25

Key blanks. Atlas Key Co. 350,051, Sept. 14, 1937. Republished Jan. 4.
Seals, etc., Base-metal truck-car and shipping-case. E. J. Brooks and Company. 248,550, renewed Oct. 23, 1948. O. G. Jan. 4.

CLASS 26

Binoculars, field and marine glasses, opera glasses, etc. Sussfeld, Lorsch & Schimmel. 221,815, Dec. 14, 1926. Corrected. O. G. Jan. 4.
Cameras, Motion picture. Bell & Howell Company. 193,964, Jan. 13, 1925. Republished Jan. 4.
Cameras, Motion picture. Bell & Howell Company. 255,084, Apr. 16, 1929. Republished Jan. 4.
Cameras, Motion picture, and motion picture film printers. Bell & Howell Company. 129,124, Jan. 27, 1920. Republished Jan. 4.
Eye glasses. Weinfeld & Goldberg, Inc. 415,207, July 31, 1945. Republished Jan. 4.
Motion picture film perforators, motion picture film perforator exhausters, etc. Bell & Howell Company. 130,637, May 4, 1920. Republished Jan. 4.
Photographic apparatus. International Industries, Inc. 374,175, Jan. 2, 1940. Republished Jan. 4.
Projectors and cameras, Motion picture. Bell & Howell Company. 256,743, May 21, 1929. Republished Jan. 4.
Thermostats. P. Henry. 421,215, May 21, 1946. Republished Jan. 4.

CLASS 28

Jewelry. Cheever, Tweedy & Co., Inc. 319,951, Dec. 11, 1934. Republished Jan. 4.
Jewelry. Cheever, Tweedy & Co., Inc. 421,522, June 4, 1946. Republished Jan. 4.
Jewelry. R. F. Simmons Company. 79,795, Oct. 4, 1910. Republished Jan. 4.
Jewelry. E. F. M. Speidel. 290,416, Jan. 5, 1932. Republished Jan. 4.

CLASS 29

Brooms. Amsterdam Broom Co. 251,595, renewed Jan. 8, 1949. O. G. Jan. 4.
Brooms and mops. The Gem Hammock & Fly Net Company. 188,806, May 6, 1924. Republished Jan. 4.
Brushes, Flat varnish. Whiting-Adams Company, Inc. 433,621, Oct. 21, 1947. Republished Jan. 4.
Brushes, Oval varnish. Whiting-Adams Company, Inc. 433,622, Oct. 21, 1947. Republished Jan. 4.
Floor mops. Gem Products, Inc. 406,541, Aug. 15, 1944. Republished Jan. 4.
Mops and dusters. Gem Products, Inc. 402,422, July 20, 1943. Republished Jan. 4.
Toothbrushes. Fuller Brush Company. 433,580, Oct. 21, 1947. Republished Jan. 4.

CLASS 31

Condensing units used in refrigeration. Lehigh Foundries, Inc. 505,434, Jan. 4; Serial No. 538,643, published Sept. 21, 1948.
Freezers, Ice cream. White Mountain Freezer Company. 16,487, Apr. 9, 1889. Republished Jan. 4.
Machinery bearings, bushings, and machine parts. Bound Brook Oil-Less Bearing Company. 395,576, June 2, 1942. Republished Jan. 4.

CLASS 32

Bed springs. Perfection Mattress and Spring Company. 212,699, May 11, 1926. Republished Jan. 4.
Bed springs, mattresses, couches, cots, pillows and cushions, etc. Barcalo Manufacturing Company. 400,532, Mar. 16, 1943. Republished Jan. 4.
Cupboards, Corner, kitchen cabinets, kitchen tables, and record cabinets. Alwin Manufacturing Company. 505,537, Jan. 4; Serial No. 523,504.
Filing device, and filing cabinets therefor. Acco Products, Inc. 285,397, July 28, 1931. Republished Jan. 4.
Furniture, Living room, dining room, and bedroom. Leonardo Furniture Co. Incorporated. 424,896, Oct. 29, 1946. Republished Jan. 4.
Mattress. Perfection Mattress & Spring Company. 360,381, Sept. 13, 1938. Republished Jan. 4.
Mattresses. The Perfection Mattress & Spring Company. 133,487, July 27, 1920. Republished Jan. 4.
Mattresses, sofa beds, metal and wooden beds, folding cots, etc. Cavendish Trading Corporation. 413,708, May 8, 1945. Republished Jan. 4.

CLASS 33

Glassware, Table, glass ovenware, glass vases, etc. Cavendish Trading Corporation. 413,524, May 1, 1945. Republished Jan. 4.

CLASS 34

Burners, Automatic coal. Iron Fireman Manufacturing Company. 248,719, renewed Oct. 30, 1948. O. G. Jan. 4.
Burners, Oil. The Silent Glow Oil Burner Corporation. 189,624, Sept. 23, 1924. Republished Jan. 4.
Draft controls, Automatic. The Hotstream Heater Company. 441,787, Jan. 4; Serial No. 519,395, published Sept. 14, 1948.
Furnace, Overhead oil fired. Sawyer-Hare Furnace Company. 399,835, Feb. 2, 1943. Canceled Nov. 24, 1948. O. G. Jan. 4.
Furnaces and water heaters. Michican Tank & Furnace Corporation. 505,470, Jan. 4; Serial No. 544,178, published Sept. 21, 1948.
Furnaces, Gas and oil burning heating. B. F. Stephens. 360,326, Sept. 13, 1938. Republished Jan. 4.
Heaters, Gas water, and combination boilers. John Wood Manufacturing Company, Inc. 505,464–6, Jan. 4; Serial Nos. 543,344–6, published Sept. 14, 1948.
Machines for controlling the operation of gas torches in the cutting of metals. National Cylinder Gas Company. 406,411, Apr. 4, 1944. Republished Jan. 4.
Shades, Lamp. Strawbridge & Clothier. 505,437, Jan. 4; Serial No. 539,226, published Sept. 14, 1948.
Stoves, Heating and cooking. Martin Stamping & Stove Company. 505,469, Jan. 4; Serial No. 544,173, published Sept. 21, 1948.
Ventilators, Louver window. The W. B. Marvin Manufacturing Co. 363,546, Jan. 3, 1939. Republished Jan. 4.

CLASS 35

Belting and belt-lacings. Shults Belting Company. 121,215–16, Apr. 16, 1918. Republished Jan. 4.
Belting, Flat leather. J. E. Rhoads & Sons. 505,422, Jan. 4; Serial No. 537,242, published Sept. 28, 1948.
Belting, Leather. The Bradford Belting Co. 80,700, Jan. 24, 1911. Republished Jan. 4.
Belting, Leather. Graton & Knight Company. 298,524, Nov. 1, 1932. Republished Jan. 4.
Belting, Leather. Graton & Knight Company. 344,434, Mar. 23, 1937. Republished Jan. 4.
Belting, Leather. Graton & Knight Company. 374,605, Jan. 16, 1940. Republished Jan. 4.
Belting, Leather. The Graton and Knight Manufacturing Company. 49,546, Feb. 6, 1906. Republished Jan. 4.
Belting, Leather. Graton & Knight Mfg. Co. 76,285–6, Jan. 4, 1910. Republished Jan. 4.
Belting, Leather. The Graton & Knight Manufacturing Company. 127,615, Nov. 18, 1919. Republished Jan. 4.
Belting, Leather. The Graton & Knight Manufacturing Company. 133,687, Aug. 3, 1920. Republished Jan. 4.
Belting, Leather. The Graton & Knight Manufacturing Company. 138,011, Dec. 14, 1920. Republished Jan. 4.
Belting, Leather. The Graton & Knight Manufacturing Company. 159,887, Oct. 10, 1922. Republished Jan. 4.
Belting, Leather, Edward R. Ladew Company, Inc. 128,092–3, Dec. 23, 1919. Republished Jan. 4.
Belting, Leather. New York Leather Belting Co. 46,468, Sept. 19, 1904. Republished Jan. 4.
Belting, Machinery, and leather washers. Graton & Knight Company. 246,268, Sept. 4, 1928. Republished Jan. 4.
Belting, machinery, diaphragms, discs, gaskets, etc. Graton & Knight Company. 280,618, Feb. 24, 1931. Republished Jan. 4.
Belting, Machinery, diaphragms, discs, gaskets, washers, etc. Graton & Knight Company. 276,980, Nov. 4, 1930. Republished Jan. 4.
Belting, Round leather. The Graton and Knight Manufacturing Company. 123,226, Oct. 22, 1918. Republished Jan. 4.
Belts and belting. Graton & Knight Company. 243,690, June 26, 1928. Republished Jan. 4.
Belts and belting. Graton & Knight Company. 245,791, Aug. 21, 1928. Republished Jan. 4.
Belts and belting. The Graton & Knight Manufacturing Company. 202,919, Sept. 8, 1925. Republished Jan. 4.

Lace-leather and cut laces of leather. The Graton & Knight Manufacturing Company. 147,613, Oct. 25, 1921. Republished Jan. 4.
Leather, Cut lace, and lace leather in sides. The Graton & Knight Manufacturing Company. 190,878, Oct. 28, 1924. Republished Jan. 4.
Packings, flange packings, U packings, etc. The Graton & Knight Manufacturing Company. 193,747, Jan. 6, 1925. Republished Jan. 4.
Packings, Leather. The Graton & Knight Manufacturing Company. 191,241, Nov. 4, 1924. Republished Jan. 4.
Tires and inner tubes, Pneumatic. Richmond Rubber Co., Inc. 505,468, Jan. 4; Serial No. 543,989, published Sept. 28, 1948.
Tubing, Extruded thermoplahtic flexible. Irvington Varnish & Insulator Co. 420,720, Apr. 30, 1946. Republished Jan. 4.
Tubing, Flexible extruded plastic. Irvington Varnish & Insulator Co. 405,798, Feb. 22, 1944. Republished Jan. 4.
Valves, Rubber. Voorhees Rubber Mfg. Co. 112,961, Oct. 3, 1916. Republished Jan. 4.
Vulcanizers, Portable rubber-tire. The Shaler Company. 505,479, Jan. 4; Serial No. 546,063, published Sept. 28, 1948.
Washers, Bib and faucet. National Vulcanized Fibre Co. 234,894, Nov. 8, 1927. Republished Jan. 4.

CLASS 36

Phonographs or talking machines, parts and accessories therefor. Columbia Phonograph Company, Inc. 251,804, renewed Jan. 15, 1949. O. G. Jan. 4.
Pianos, piano accordions and electronic organs. The Rudolph Wurlitzer Company. 505,549–50, Jan. 4; Serial No. 536,024.
Violins, violas, violoncellos and bass violas, etc. Ernst Heinrich Roth Co. Inc. 314,974, July 17, 1934. Republished Jan. 4.
Violins, violas, violoncellos, etc. Ernst Heinrich Roth Co., Inc. 191,316, Nov. 4, 1924. Republished Jan. 4.

CLASS 37

Blank books. Kiggins & Tooker Co. 79,587, Sept. 20, 1910. Republished Jan. 4.
Blank books and writing paper. National Blank Book Co. 45,602, Aug. 22, 1905. Republished Jan. 4.
Cards and forms for indexes, indexes, etc., Blank and partially-printed. Rand Kardex Service Corporation. 247,084, renewed Sept. 18, 1948. O. G. Jan. 4.
Crayons. Binney & Smith Company. 441,777, Jan. 4; Serial No. 513,020, published Aug. 17, 1948.
Diaries. Kiggins & Tooker Co. 79,783, Oct. 4, 1910. Republished Jan. 4.
Erasers, Rubber. E. Faber. 66,249, Nov. 19, 1907. Republished Jan. 4.
Fibre board in the piece. Federal Container Company. 243,215. June 12, 1928. Republished Jan. 4.
Ledger-paper. Neenah Paper Company. 118,213, Aug. 21, 1917. Republished Jan. 4.
Loose leaf sheets. National Blank Book Co. 182,315, Apr. 8, 1924. Republished Jan. 4.
Paper, Blotting, box cover paper, cover papers, and printing papers. District of Columbia Paper Mills, Inc. 441,747, Jan. 4; Serial No. 491,753, published Nov. 16, 1946.
Paper, Bond, and mailing envelopes. Brooks Bank Note Company. 129,630, Mar. 9, 1920. Republished Jan. 4.
Paper fasteners, folders, desk files, etc. F. J. Kline. 155,996, June 13, 1922. Republished Jan. 4.
Paper fasteners, paper clips, folders, etc. F. J. Kline. 155,997, June 13, 1922. Republished Jan. 4.
Paper, Toilet. J. C. E. Glass. 254,779, renewed Apr. 2, 1949. O. G. Jan. 4.
Paper, Wrapping, tissue paper, paper towels, etc. H. J. Grey. 240,657, Apr. 3, 1928. Republished Jan. 4.
Paper, Writing, tablets, envelopes, etc. Prudential Paper Products Company. 416,488, Sept. 18, 1945. Republished Jan. 4.
Pens, Fountain, and mechanical pencils. Galter Products Co. 433,998–9, Nov. 4, 1947. Republished Jan. 4.
Stationery. Prudential Paper Products Company. 404,490, Nov. 30, 1943. Republished Jan. 4.
Tablets, Pencil, pen tablets, composition books, etc. Kurtz Bros. 505,379, Jan. 4; Serial No. 528,804, published Aug. 24, 1948.
Tissues in rolls, strips, and sheets, etc., Paper. Marcalus Manufacturing Co. Inc. 505,328, Jan. 4; Serial No. 491,663, published Sept. 7, 1948.

CLASS 38

Books, Printed. Lamar & Whitmore, Book Agents, Publishing House, M. E. Church, South. 251,994, renewed Jan. 22, 1949. O. G. Jan. 4.
Labels and tags. B. B. & R. Knight, Inc. 194,004, Jan. 13, 1925. Republished Jan. 4.
Magazine. The Scholastic Publishing Company. 273,405, Aug. 5, 1930. Republished Jan. 4.
Magazine, Monthly. E. A. Hills. 427,898, Feb. 25, 1947. Republished Jan. 4.
Newspaper. The Toledo Blade Company. 407,444, June 6, 1944. Republished Jan. 4.
Periodical, Trade. Cummins Engine Company. 350,500, Sept. 28, 1937. Republished Jan. 4.
Publication, Bi-monthly. Practical Methods for Industry, Inc. 431,822, Aug. 12, 1947. Republished Jan. 4.
Publication, Monthly. American Photo-Engravers Association. 227,873, May 17, 1927. Republished Jan. 4.
Publication, Monthly, Carter H. Harrison & Company. 374,424, Jan. 9, 1940. Republished Jan. 4.
Publication, Periodical. The Fuller Brush Company. 506,487, Jan. 4; Serial No. 548,957, published Aug. 17, 1948.
Publications. The A. N. Marquis Company. 378,389, June 11, 1940. Republished Jan. 4.
Publications. The A. N. Marquis Company. 378,391–2, June 11, 1940. Republished Jan. 4.

CLASS 39

Apparel, Ladies'. Levine & Smith, Inc. 505,518, Jan. 4; Serial No. 505,307.
Beach coats. L. & E. Stirn. 252,262, renewed Jan. 29, 1949. O. G. Jan. 4.
Blouses, rompers, shirt-waists, and children's frocks. K. & E. Blouse Makers. 98,908, Aug. 11, 1914. Republished Jan. 4.
Boots and shoes. Field & Flint Co. 271,260, May 27, 1930. Republished Jan. 4.
Boots, shoes, and slippers, Leather. International Shoe Company. 253,768, renewed Mar. 5, 1949. O. G. Jan. 4.
Brassières. Ellen Bra Corp. 505,473, Jan. 4; Serial No. 544,987, published Sept. 7, 1948.
Clothing, Boys' and girls' juvenile. L. Isaacson & Sons, Inc. 358,247, July 5, 1938. Republished Jan. 4.
Clothing, Infants' and children's. The Mount Airy Knitting Company. 505,340, Jan. 4; Serial No. 514,127, published Sept. 7, 1948.
Clothing, Men's. Roger Kent, Inc. 368,321, June 13, 1939. Republished Jan. 4.
Clothing, Men's. Roger Kent, Inc. 376,915, Apr. 9, 1940. Republished Jan. 4.
Coats, suits, and blouses, Ladies'. Dave Bellsey Company, Inc. 343,278, Feb. 16, 1937. Republished Jan. 4.
Coats, vests, trousers, knickerbockers, topcoats and overcoats for men, youths, and boys. J. Schoeneman, Inc. 505,540, Jan. 4; Serial No. 530,121.
Coats, Women's, misses', and junior misses'. Kroywen Coats Inc. 505,351, Jan. 4; Serial No. 520,718, published Sept. 7, 1948.
Collars and dress and negligee shirts, Men's. Phillips-Jones Corporation. 248,045, renewed Oct. 16, 1948. O. G. Jan. 4.
Creepers, rompers, sweaters, panty suits, and play suits, Infants' and children's. Sternberg Knitting Co. 505,533, Jan. 4; Serial No. 518,990.
Dress, negligee, and work shirts, Youths'. The Kaynee Company. 168,351, May 22, 1923. Republished Jan. 4.
Dress shirts, negligee shirts, work shirts, waists, rompers, etc. Charles Eiseman Company. 90,312, Feb. 18, 1913. Republished Jan. 4.
Dresses and suits, Girls'. H. Dudkin. 505,530, Jan. 4; Serial No. 515,164.
Dresses for misses and women, Sport. Cavendish Trading Corporation. 387,043, Apr. 29, 1941. Republished Jan. 4.
Dresses, House. Shelby Manufacturing Co. 505,545, Jan. 4; Serial No. 534,061.
Dresses, Ladies', misses', and junior misses'. Cavanaugh Dresses Inc. 505,529, Jan. 4; Serial No. 515,021.
Dresses, Maternity. H. L. Deichert. 505,514, Jan. 4; Serial No. 495,015.
Dresses, Misses'. Forman & Gumner Co., Inc. 505,532, Jan. 4; Serial No. 516,972.
Dresses, Women's. C. Carlson. 505,534, Jan. 4; Serial No. 520,612.
Dresses, Women's, Hostess Frocks, Inc. 334,427, May 5, 1936. Republished Jan. 4.
Dresses, Women's and children's. N. Mittelmark. 505,535, Jan. 4; Serial No. 522,737.
Dresses, Women's sport. Debutante Sportswear, Inc. 505,358, Jan. 4; Serial No. 523,948, published Sept. 7, 1948.
Garments for children, One-piece. The Kiddie Togs Company. 191,049, Oct. 28, 1924. Republished Jan. 4.
Gloves. Century Glove Company. 429,331, Apr. 29, 1947. Republished Jan. 4.
Gloves, Fabric. Van Raalte Company, Inc. 365,412, Mar. 7, 1939. Republished Jan. 4.
Gloves, gauntlets, and mittens, Leather. Louis Meyers & Son. 71,306, re-renewed Nov. 17, 1948. O. G. Jan. 4.
Gloves, Knitted and woven fabric. Wells-Lamont Manufacturing Co. 242,556, May 29, 1928. Republished Jan. 4.
Gloves, Ladies'. Louis Meyers & Son, Inc. 505,547, Jan. 4; Serial No. 535,062.
Gloves, Ladies' fabric. Wimelbacher & Rice Inc. 505,553, Jan. 4; Serial No. 539,008.
Gloves, Ladies' leather. Wimelbacher & Rice Inc. 505,552, Jan. 4; Serial No. 538,983.
Gloves, Leather, men's and boy's outer shirts and undershirts, etc. I. & R. Morley, Limited. 367,039, May 9, 1939. Republished Jan. 4.
Gloves, Silk. Van Raalte Company, Inc. 282,384, Apr. 21, 1931. Republished Jan. 4.
Gloves, Work. Buckeye Glove Co. 505,548, Jan. 4; Serial No. 535,475.
Half-hose, Men's. W. Raven & Co. Limited. 505,424, Jan. 4; Serial No. 537,504, published Sept. 7, 1948.

Handkerchiefs. David B. Schwab & Co. 357,462, June 7, 1938. Republished Jan. 4.
Hats and hat bodies. Halper Brothers, Inc. 505,503, Jan. 4; Serial No. 555,718, published Sept. 14, 1948.
Hosiery. Brooks Hosiery Mills. 245,379, renewed Aug. 14, 1948. O. G. Jan. 4.
Hosiery. Brooks Hosiery Mills. 246,494, renewed Sept. 11, 1948. O. G. Jan. 4.
Hosiery. M. Goodman & Son. 400,631, Mar. 23, 1943. Republished Jan. 4.
Hosiery. Hoover Hosiery Company. 238,656, Feb. 14, 1928. Republished Jan. 4.
Hosiery. Metro Hosiery Co., Inc. 299,925, Dec. 27, 1932. Canceled Nov. 24, 1948. O. G. Jan. 4.
Hosiery. Quaker Hosiery Company, Inc. 246,639, renewed Sept. 11, 1948. O. G. Jan. 4.
Hosiery and bootees for infants, children and misses. Chas. Chipman's Sons Co., Inc. 411,437, Jan. 16, 1945. Republished Jan. 4.
Hosiery, and men's, women's and children's underwear. I. & R. Morley, Limited. 356,451, Apr. 26, 1938. Republished Jan. 4.
Hosiery, Ladies'. Huffman Full Fashioned Mills, Inc. 505,525, Jan. 4; Serial No. 513,741.
Hosiery, underwear, leather gloves, etc. I. & R. Morley, Limited. 376,592, Apr. 2, 1940. Republished Jan. 4.
Jackets, Workingmen's water repellent and heavy wool, waterproof overalls, work pants and shirts. The Black Manufacturing Co. 505,541, Jan. 4; Serial No. 531,429.
Knitted trimmings. Pyramid Manufacturing Co., Inc. 381,817, Oct. 8, 1940. Republished Jan. 4.
Nightrobes, pajamas, overshirts, etc. E. Rosenfeld & Co. 72,574, Feb. 2, 1909. Republished Jan. 4.
Outdoor wear, Men's. Bobrich Manufacturing Corp. 441,811, Jan. 4; Serial No. 486,456.
Outer clothing embracing suits, overcoats, coats, vests, etc. L. Grief & Bro., Inc. 180,894, Mar. 11, 1924. Republished Jan. 4.
Outer shirts, pajamas, shorts, etc. C. Bering. 505,516, Jan. 4; Serial No. 502,260.
Outer wear, Knitted. New York Knitting Mills. 324,120, May 14, 1935. Republished Jan. 4.
Pajamas and underwear. Rothschild & Sons, Incorporated. 248,081, renewed Oct. 16, 1948. O. G. Jan. 4.
Pants, Men's and boys' cotton. Salant & Salant, Inc. 505,546, Jan. 4; Serial No. 534,197.
Shirts, and polo shirts, Infant's and children's. Pilgrim Sportswear, Inc. 505,527, Jan. 4; Serial No. 514,907.
Shirts, Boys'. The Kaynee Company. 302,205, Apr. 4, 1933. Republished Jan. 4.
Shirts, Dress. Stetson Shirt Co. Inc. 295,493, July 5, 1932. Republished Jan. 4.
Shirts, Men's and boys' shirts, waists, and blouses. Charles Eisenman & Co. 53,829, June 12, 1906. Republished Jan. 4.
Shirts, Negligee and dress. The Enro Shirt Company. 306,792, Sept. 26, 1933. Republished Jan. 4.
Shoe counters. Duo-Tex Corporation. 391,443, Nov. 11, 1941. Republished Jan. 4.
Shoes. Field and Flint Co. 390,862, Oct. 7, 1941. Republished Jan. 4.
Shoes. Spiegel, Inc. 419,726, Mar. 5, 1946. Republished Jan. 4.
Shoes, Bowling. Dodson-Fisher Company. 390,413, Sept. 23, 1941. Republished Jan. 4.
Shoes, Ladies'. Mission Hosiery Mills. 318,086, Oct. 16, 1934. Republished Jan. 4.
Shoes made of leather or partly of leather. Galenkamp Stores Co. 505,515, Jan. 4; Serial No. 500,749.
Sleeping garments. Charles Eisenman Company. 95,208, Feb. 3, 1914. Republished Jan. 4.
Slippers. Knight Slipper Manufacturing Corp. 267,493, Feb. 18, 1930. Republished Jan. 4.
Slippers, Ladies'. Knight Slipper Mfg. Corp. 342,676, Jan. 26, 1937. Republished Jan. 4.
Soles, Leather. Graton & Knight Company. 418,679, Jan. 8, 1946. Republished Jan. 4.
Soles, Leather. The Graton and Knight Manufacturing Company. 120,971, Mar. 19, 1918. Republished Jan. 4.
Soles, Leather shoe. Graton & Knight Company. 257,077, May 28, 1929. Republished Jan. 4.
Sportswear. C. H. Masland & Sons. 434,318, Nov. 18, 1947. Republished Jan. 4.
Sportswear, Ladies'. Classique Modes Inc. 391,839, Nov. 25, 1941. Canceled Nov. 24, 1948. O. G. Jan. 4.
Suits and overcoats, Men's and boys', and ladies' coats, etc. M. B. Sachs. 402,241, July 13, 1943. Republished Jan. 4.
Suits, Boys'. L. Isaacson & Sons, Inc. 342,485, Jan. 19, 1937. Republished Jan. 4.
Suits, coats, pants, etc., Men's and boys'. Haspel Brothers, Inc. 339,988, Oct. 27, 1936. Amended. O. G. Jan. 4.
Suits, dresses and blouses, Ladies'. Blumenstein, Ross & Lents. 505,474, Jan. 4; Serial No. 545,223, published Sept. 7, 1948.
Suits, overalls and shorts, etc., Children's. L. Isaacson & Sons, Inc. 372,632, Nov. 7, 1939. Republished Jan. 4.
Suits, top coats, overcoats, Men's and boys', etc. Cavendish Trading Corporation. 415,904, Aug. 21, 1945. Republished Jan. 4.
Suits, topcoats, sport coats, etc., Men's, ladies' dresses, sport coats, and suits. M. Shulman. 441,812, Jan. 4; Serial No. 504,300.
Sweaters. Bradley Knitting Company. 235,967, Nov. 29, 1927. Republished Jan. 4.
Sweaters and coat sweaters, Knitted. New York Knitting Mills. 327,474, Aug. 27, 1935. Republished Jan. 4.
Sweaters, and knitted suits for women and children. L. Isaacson & Sons, Inc. 373,337, Dec. 5, 1939. Republished Jan. 4.
Sweaters, basque shirts, shorts, slacks, pedal pushers, blouses, skirts, coats, suits, etc. Whittier Sportwear Corp. 505,543, Jan. 4; Serial No. 531,871.
Sweaters, knit panty suits, etc., Boys' knit. Regal Knitwear Co., Inc. 421,662, June 4, 1946. Canceled Nov. 24, 1948. O. G. Jan. 4.
Sweaters, knitted shirts, ladies' knitted dresses and suits, Knitted. New York Knitting Mills. 417,222, Oct. 16, 1945. Republished Jan. 4.
Undergarments, Children's. The Kaynee Company. 168,788, May 29, 1923. Republished Jan. 4.
Underwear, and children's sleepers, Knit and woven. P. H. Hanes Knitting Company. 505,421, Jan. 4; Serial No. 537,187, published Aug. 24, 1948.
Underwear and pajamas, Men's. Phillips-Jones Corporation. 251,050, renewed Dec. 25, 1948. O. G. Jan. 4.
Underwear, Knitted. Griffin Buggy Co. 246,323, Sept. 4, 1928. Republished Jan. 4.
Underwear, socks and stockings, Men's and women's. J. Oliver. 505,531, Jan. 4; Serial No. 516,162.
Uniforms, Nurses, maids uniforms, and aprons. A. L. Klavans. 426,757, Jan. 7, 1947. Canceled Nov. 24, 1948. O. G. Jan. 4.
Waists, children's blouses, children's shirts, etc., Children's. The Kaynee Company. 339,218, Sept. 29, 1936. Republished Jan. 4.

CLASS 40

Bias fold tape, ruffings, rick rack braid, etc. William E. Wright & Sons Company. 505,417, Jan. 4; Serial No. 536,738, published Sept. 14, 1948.
Braids, Synthetic. E. C. Scherrer, Inc. 505,475, Jan. 4; Serial No. 545,284, published Sept. 21, 1948.
Bust forms. Seely Shoulder Pad Corp. 502,482, Jan. 4; Serial No. 547,042, published Sept. 21, 1948.
Button loops, featherbone stays, corset stays, etc. The Warren Featherbone Co. 505,396, Jan. 4; Serial No. 530,604, published Sept. 21, 1948.
Button loops, featherbone stays, corset stays, etc. The Warren Featherbone Co. 505,444, Jan. 4; Serial No. 540,354, published Sept. 21, 1948.
Buttons, hand needles and trimmings. Schalet-Pollack Corporation. 441,746, Jan. 4; Serial No. 491,367, published Sept. 21, 1948.
Coiffure accessories. Kenore Products Corporation. 505,478, Jan. 4; Serial No. 545,997, published Sept. 21, 1948.
Combs. Cereal Soaps Company, Inc. 199,534, June 9, 1925. Republished Jan. 4.
Curling irons, pressing combs and marcel irons, Nonelectrical. Gold Medal Hair Products. 441,765, Jan. 4; Serial No. 509,414, published Sept. 21, 1948.
Embroidery patterns, novelty crochet and featheredge braids, etc. T. Buettner & Co., Inc. 505,425, Jan. 4; Serial No. 537,550, Sept. 21, 1948.
Laces, Shoe. John Lawrie & Sons. 505,500, Jan. 4; Serial No. 553,287, published Sept. 21, 1948.
Laces, Shoe, and garment lacings having a tip thereon. International Braid Company. 441,780, Jan. 4; Serial No. 514,274, published Sept. 21, 1948.
Pads in the nature of garment findings, Shoulder. Salem Products Corp. 441,798, Jan. 4; Serial No. 522,354, published Sept. 21, 1948.
Pins, Diaper. H. Wells. 505,360, Jan. 4; Serial No. 526,680, published Sept. 21, 1948.
Spangles, in the nature of trimmings, Beads and metal. Canuet Freres. 441,793, Jan. 4; Serial No. 520,263, published Sept. 21, 1948.
Wigs of all descriptions, transformations, foulocks, etc. G. R. Colson. 505,477, Jan. 4; Serial No. 545,716, published Sept. 21, 1948.

CLASS 42

Bed covers, Tobacco. Carter Dry Goods Company, Incorporated. 505,352, Jan. 4; Serial No. 521,432, published Sept. 14, 1948.
Cloth in the piece. B. B. & R. Knight Corporation. 312,386, Apr. 24, 1934. Republished Jan. 4.
Cotton duck. Denison Cotton Mill Co. 505,492–3; Jan. 4; Serial Nos. 550,028–9, published Sept. 14, 1948.
Cotton duck. Denison Cotton Mill Co. 505,495, Jan. 4; Serial No. 550,314, published Sept. 14, 1948.
Curtains, and drapes of rayon, cotton, silk, etc. Bob-O-Link, Inc. 505,344, Jan. 4; Serial No. 516,660, published Sept. 14, 1948.
Dishcloths, bar cloths, floor cloths, etc. Sibson & Stern, Inc. 248,658, renewed Oct. 30, 1948. O. G. Jan. 4.
Fabrics in the piece. Switzer Brothers. 441,758, Jan. 4; Serial No. 503,481, published Sept. 14, 1948.
Fabrics in the piece, Interlining. Arms Textile Manufacturing Co. 441,752, Jan. 4; Serial No. 498,479, published Sept. 14, 1948.
Fabrics in the piece, Silk. Onondaga Silk Co., Inc 249,979, renewed Nov. 27, 1948. O. G. Jan. 4.

Fabrics in the piece, Tricot and milanese. Fairy Silk Mills. 505,325, Jan. 4; Serial No. 479,384, published Sept. 14, 1948.
Fabrics in the piece, Woolen. Botany Mills, Inc. 505,494, Jan. 4; Serial No. 550,116, published Sept. 14, 1948.
Fabrics in the piece, Woolen and worsted. John Walther Fabrics, Inc. 416,278, Sept. 4, 1945. Republished Jan. 4.
Fabrics of rayon and dress and garment lengths of this fabric. Bear Mill Manufacturing Company, Inc. 241,327, Apr. 24 1928. Republished Jan. 4.
Muslin, cambric, nainsook and long cloth. Marshall Field & Company. 159,720, Oct. 3, 1922. New certificate. O. G. Jan. 4.
Piece goods. Joseph Bancroft & Sons Co. 505,384, Jan. 4; Serial No. 529,344, published Sept. 14, 1948.
Piece goods. Joseph Bancroft & Sons Co. 505,385, Jan. 4; Serial No. 529,346, published Sept. 14, 1948.
Piece goods. Carson Pirie Scott & Company. 323,126, Apr. 2, 1935. New certificate. O. G. Jan. 4.
Piece goods. Clearwater Finishing Company. 505,467, Jan. 4; Serial No. 543,420, published Sept. 14, 1948.
Piece goods. M. Lavinsky. 426,133, Dec. 17, 1946. Canceled Nov. 24, 1948. O. G. Jan. 4.
Piece goods. J. Rosenhols, Inc. 505,453, Jan. 4; Serial No. 541,747, published Sept. 14, 1948.
Piece goods, All-silk. E. L. Maupai. 222,614, Jan. 4, 1927. Republished Jan. 4.
Piece goods, Bleached cotton. B. B. & R. Knight, Inc. 222,195, Dec. 28, 1926. Republished Jan. 4.
Piece goods, Cotton. Davis & Catterall. 505,399, Jan. 4; Serial No. 531,579, published Sept. 14, 1948.
Piece goods, Cotton. Exeter Manufacturing Company. 505,353, Jan. 4; Serial No. 521,803, published Sept. 14, 1948.
Piece goods, Cotton. B. B. & R. Knight. 124,730, Mar. 11, 1919. Republished Jan. 4.
Piece goods, Cotton, rayon, acetate, and/or silk. Holmes & Bucker Inc. 395,457, May 26, 1942. Republished Jan. 4.
Piece goods, Cotton, rayon, nylon and silk. Massin Seymour, Inc. 434,586, Nov. 25, 1947. Republished Jan. 4.
Piece goods, Lace. Gehring Laces, Inc. 350,031, Sept. 14, 1937. Republished Jan. 4.
Piece goods, Linen and hemp. Robinson & Cleaver Limited. 441,808, Jan. 4; Serial No. 525,407, published Sept. 14, 1948.
Piece goods, Rayon, cotton piece goods and combinations of the same. J. Rosenhols, Inc. 505,452, Jan. 4; Serial No. 541,727, published Sept. 14, 1948.
Piece goods, Silk and wool mixed. L. & E. Stirn. 251,888, renewed Jan. 15, 1949. O. G. Jan. 4.
Piece goods, Woolen. Atlantic Mills. 128,130, Dec. 23, 1919. Republished Jan. 4.
Piece goods, Woolen. Botany Worsted Mills. 441,773, Jan. 4; Serial No. 511,448, published Sept. 14, 1948.
Piece goods, Woolen. P. M. Quas Cohen. 187,956, Aug. 12, 1924. Republished Jan. 4.
Piece goods, Woolen. Detmer Woolen Company. 81,967, May 23, 1911. Republished Jan. 4.
Pillow cases and sheets. B. B. & R. Knight, Inc. 175,314, Nov. 6, 1923. Republished Jan. 4.
Pillow cases, sheets, hand towels, bath towels, etc. Windsor Textile Co., Inc. 441,762, Jan. 4; Serial No. 506,213, published Sept. 14, 1948.
Ribbons. Century Ribbon Mills, Inc. 505,419, Jan. 4; Serial No. 537,005, published Sept. 14, 1948.
Rugs and carpets. Nye-Wait Company, Inc. 434,611, Nov. 25, 1947. Republished Jan. 4.
Scrim in the piece. Boott Mills. 159,664, Oct. 3, 1922. Republished Jan. 4.
Sheets, pillowcases, and cotton piece goods. Fruit of the Loom, Inc. 363,008, Dec. 6, 1938. Republished Jan. 4.
Sheets, pillowcases, and cotton piece goods. Fruit of the Loom, Inc. 363,475–6, Dec. 27, 1938. Republished Jan. 4.
Textile fabrics. Monsanto Chemical Company. 505,349–50, Jan. 4; Serial Nos. 520,051–2, published Sept. 14, 1948.
Textile fabrics, Awning. The Hettrick Manufacturing Company. 505,376, Jan. 4; Serial No. 528,477, published Sept. 14, 1948.
Textile fabrics in the piece. Benrose Fabrics Corporation. 505,416, Jan. 4; Serial No. 536,490, published Sept. 14, 1948.
Textile fabrics in the piece. Folker Fabrics Corporation. 505,455, Jan. 4; Serial No. 541,828, published Sept. 14, 1948.
Textile fabrics in the piece. Folker Fabrics Corporation. 505,458, Jan. 4; Serial No. 542,456, published Sept. 14, 1948.
Textile fabrics of cotton, wool, silk, etc., Plastic coated. Barret Textile Corporation. 441,783, Jan. 4; Serial No. 517,397, published Sept. 14, 1948.
Textile fabrics of rayon in the piece. French Fabrics Co. 505,412, Jan. 4; Serial No. 535,318, published Sept. 14, 1948.
Towels and wash cloths. Wonderknit Corporation. 434,585, Nov. 25, 1947. Republished Jan. 4.
Towels, Bath and hand, wash cloths, and bath mats. Marshall Field & Company. 505,488, Jan. 4; Serial No. 549,536, published Sept. 14, 1948.

CLASS 43

Spool-cotton, sewing-cotton, and thread. The American Thread Company. 72,856, re-renewed Mar. 2, 1949. O. G. Jan. 4.
Thread. The Clark Thread Company. 505,404, Jan. 4; Serial No. 533,539, published Sept. 21, 1948.
Thread, Rubberized. J. & P. Coats (R. I.) Inc. 505,402, Jan. 4; Serial No. 533,144, published Sept. 21, 1948.
Thread, Sewing. Bemis Bro. Bag Company. 505,361, Jan. 4; Serial No. 526,887, published Aug. 17, 1948.
Threads, yarns, and cottons. T. Buettner & Co., Inc. 505,426, Jan. 4; Serial No. 537,554, published Sept. 21, 1948.
Yarn, Gimp. Fraser Manufacturing Co. Inc. 505,443, Jan. 4; Serial No. 540,270, published Sept. 14, 1948.
Yarns. Shepherd Worsted Mills. 431,767–8, Aug. 5, 1947. Republished Jan. 4.
Yarns, Art needlework. Ulmann, Bernhard, Co. Inc. 505,489, Jan. 4; Serial No. 549,595, published Sept. 14, 1948.
Yarns made wholly of wool, Art needlework. Ulmann, Bernhard, Co. Inc. 505,538, Jan. 4; Serial No. 523,563.

CLASS 44

Adhesive plaster. The Bay Company. 242,869, renewed May 22, 1948. O. G. Jan. 4.
Aprons, gloves, and sheets of lead-bearing rubber, natural or synthetic. Picker X-Ray Corporation. 409,818, Oct. 24, 1944. Republished Jan. 4.
Denture base materials, Synthetic resin. Cosmos Dental Products, Inc. 387,244, May 6, 1941. Republished Jan. 4.
Electric lamps for use as a therapeutic. Elgin Laboratories, Inc. 367,801, May 30, 1939. Republished Jan. 4.
Electrical instrument for imparting rays to the human body. The Electronic Instrument, Inc. 505,517, Jan. 4; Serial No. 504,345.
Patters for the skin and tissue and reducing chin strap. D. Gray. 254,598, renewed Mar. 26, 1949. O. G. Jan. 4.
Rugae molds. The Columbus Dental Manufacturing Co. 236,162, Dec. 6, 1927. Republished Jan. 4.

CLASS 45

Beverage, Non-alcoholic carbonated maltless, and syrup. R. M. Schlesinger. 120,291, Jan. 29, 1918. Republished Jan. 4.
Beverages, Nonalcoholic. R. J. Stranger. 248,060, renewed Oct. 16, 1948. O. G. Jan. 4.
Beverages, Nonalcoholic, noncereal, maltless. J. G. Metke. 249,801, renewed Nov. 20, 1948. O. G. Jan. 4.
Cordial, Lime juice. Evans Sons Lescher & Webb Limited. 70,689, re-renewed Sept. 22, 1948. O. G. Jan. 4.
Ginger-ale and mineral water. Milwaukee-Waukesha Brewing Company. 86,146, Apr. 16, 1912. Republished Jan. 4.
Root-beer and the syrup therefor. The Cleveland Fruit Juice Company. 136,778, Nov. 9, 1920. Republished Jan. 4.

CLASS 46

Alimentary preparation for infants and invalids. Chassaing & Cie. 68,293, re-renewed Mar. 24, 1948. O. G. Jan. 4.
Apples, Fresh. T. Reins. 505,398, Jan. 4; Serial No. 531,245, published Sept. 21, 1948.
Apples, Fresh. W. E. Roche. 173,329, Sept. 25, 1923. Republished Jan. 4.
Bakery products. Lowenberg Bakery. 269,543, Apr. 8, 1930. Republished Jan. 4.
Baking powder and bluing, gloss starch, and salt for food purposes. Kansas City Wholesale Grocery Co. 225,186, Mar. 15, 1927. Republished Jan. 4.
Blend of cocoa, sugar, dextrose, and cereals, etc., Scientific. Viva. 441,775, Jan. 4; Serial No. 511,713, published Sept. 21, 1948.
Candies. W. B. Douglass. 505,418, Jan. 4; Serial No. 536,879, published Sept. 14, 1948.
Candies. The Nunnally Company. 180,887, Mar. 11, 1924. Republished Jan. 4.
Candies, cakes, confectionery, and the like. The Golden Pheasant. 100,204, Oct. 13, 1914. Republished Jan. 4.
Candy. E. J. Brach & Sons. 240,188, Mar. 20, 1928. Republished Jan. 4.
Candy. Hollingsworth Candy Co. 143,049, May 24, 1921. Republished Jan. 4.
Candy. Hollingsworth Candy Co. 189,726, Sept. 23, 1924. Republished Jan. 4.
Candy. Hollingsworth Candy Co. 201,490, July 28, 1925. Republished Jan. 4.
Candy. The Nunnally Company. 369,233, July 18, 1939. Republished Jan. 4.
Candy lozenges. New England Confectionery Co. 72,494–5, re-renewed Jan. 26, 1949. O. G. Jan. 4.
Canned fruit, canned fish, cocoanut, etc. Dodwell & Co. Ltd. 196,852, Mar. 31, 1925. Republished Jan. 4.
Canned fruits and canned vegetables. Hollister Canning Company, Inc. 505,342, Jan. 4; Serial No. 515,807, published Sept. 21, 1948.
Canned fruits and canned vegetables. Norman L. Waggoner, Inc. 333,524, Mar. 24, 1936. Republished Jan. 4.
Canned fruits and canned vegetables. Norman L. Waggoner, Inc. 398,948, Dec. 8, 1942. Republished Jan. 4.

Canned fruits and vegetables. Beesemyer-Waggoner, Inc. 179,058, Feb. 5, 1924. Republished Jan. 4.
Canned fruits and vegetables. Beesemyer-Waggoner, Inc. 180,531, Mar. 4, 1924. Republished Jan. 4.
Canned fruits and vegetables. Fremont Canning Company. 375,175, Feb. 13, 1940. Republished Jan. 4.
Canned fruits and vegetables. Stayton Canning Co. Co-operative. 505,415, Jan. 4; Serial No. 536,305, published Aug. 10, 1948.
Canned fruits and vegetables, sauerkraut, hominy, etc. Hale-Halsell Grocery Co. 93,531, Sept. 23, 1913. Republished Jan. 4.
Canned fruits, vegetables, and oysters. Hale-Halsell Grocery Co. 73,518, Apr. 27, 1909. Republished Jan. 4.
Canned peaches. Handy Andy Community Stores, Inc. 233,765, Oct. 11, 1927. New certificate. O. G. Jan. 4.
Canned pumpkins. Vincennes Packing Corporation. 254,404, Mar. 26, 1929. Republished Jan. 4.
Canned salmon. Kelley-Clarke Co. 88,307, Sept. 10, 1912. Republished Jan. 4.
Canned salmon. Monitor Fisheries, Inc. 505,403, Jan. 4; Serial No. 533,347, published Aug. 31, 1948.
Canned salmon. Peril Straits Packing Co. 327,007, Aug. 13, 1935. Republished Jan. 4.
Canned salmon. San Juan Fishing & Packing Co. 98,012, June 30, 1914. Republished Jan. 4.
Canned salmon. San Juan Fishing & Packing Co. 238,614, Feb. 14, 1928. Republished Jan. 4.
Canned sardines. Booth Fisheries Sardine Co. 138,947, Jan. 18, 1921. Republished Jan. 4.
Canned sardines. Lubec Sardine Co. 124,462, Feb. 18, 1919. Republished Jan. 4.
Canned sauerkraut. The J. Weller Company. 116,184, Apr. 10, 1917. Republished Jan. 4.
Canned sauerkraut and canned sauerkraut juice. Frank Pure Food Company. 360,748, Sept. 27, 1938. Republished Jan. 4.
Canned sauerkraut, tomato catsup, pickles, etc. The J. Weller Company. 277,745, Nov. 25, 1930. Republished Jan. 4.
Canned soups, mincemeat, prepared mustard, etc. Hale-Halsell Gro. Co. 107,066, Nov. 9, 1915. Republished Jan. 4.
Canned tomatoes, canned tomato puree, and canned tomato juice. Caar Canning Company. 353,449, Jan. 11, 1938. Republished Jan. 4.
Canned tomatoes, canned tomato puree, canned juice, etc. Caar Canning Company. 426,785, Jan. 14, 1947. Republished Jan. 4.
Canned tomatoes, hominy, sauerkraut, etc. The Rider Packing Co. Inc. 101,421, Dec. 8, 1914. Republished Jan. 4.
Canned tomatoes, pumpkin, beets, etc. The Great Atlantic & Pacific Tea Company. 505,372, Jan. 4; Serial No. 528,271, published Sept. 21, 1948.
Canned vegetables, canned fruits, etc. Donahoe's Incorporated. 307,335, Oct. 24, 1933. Republished Jan. 4.
Canned vegetables, canned oysters and eggs. Donahoe's Incorporated. 218,561, Sept. 28, 1926. Republished Jan. 4.
Catsup, tomato puree, canned vegetables. The J. Weller Company. 111,862, Aug. 8, 1916. Republished Jan. 4.
Catsup, tomato puree, pickles, etc. The J. Weller Company. 348,902, Aug. 17, 1937. Republished Jan. 4.
Cheese. A. H. Barber & Company. 253,305, renewed Feb. 26, 1949. O. G. Jan. 4.
Cocoa. Hollandsche Cacao-en Chocoladefabrieken v/ Bensdorp & Co. 241,986, renewed May 8, 1948. O. G. Jan. 4.
Cocktail of tomato and sauerkraut juice. The Frank Pure Food Company. 357,184, May 24, 1938. Republished Jan. 4.
Coffee. Biedermann Bros. 85,224, Feb. 6, 1912. Republished Jan. 4.
Coffee. Biedermann Brothers, Inc. 301,011, Feb. 14, 1933. Republished Jan. 4.
Coffee. Hale-Halsell Company. 247,128, Sept. 18, 1928. Republished Jan. 4.
Coffee. P. Pascal, Inc. 334,863, May 19, 1936. Republished Jan. 4.
Corn in flake form, Product of. Evans Milling Company. 247,359, Sept. 25, 1928. Republished Jan. 4.
Corn, Product of. Decatur Milling Company. 227,267, May 3, 1927. Republished Jan. 4.
Corn products. Evans Milling Company. 96,403, Apr. 21, 1914. Republished Jan. 4.
Currants, Dried, and mincemeat. The W. H. Marvin Company. 250,086, Nov. 27, 1928. Republished Jan. 4.
Feeds. North Dakota Mill and Elevator Association. 280,442, Feb. 17, 1931. Republished Jan. 4.
Flour, Granular wheat. North Dakota Mill and Elevator Association. 194,010, Jan. 13, 1925. Republished Jan. 4.
Flour, Rye. Pillsbury Flour Mills Company. 389,926, Aug. 26, 1941. Republished Jan. 4.
Flour, Rye, and wheat flour mixture. Pillsbury Flour Mills Company. 402,416, July 20, 1943. Republished Jan. 4.
Flour, Wheat. General Mills, Inc. 283,184, May 19, 1931. Republished Jan. 4.
Flour, Wheat. Gwinn Bros. & Co. 307,779, Oct. 31, 1933. Republished Jan. 4.
Flour, Wheat. Gwinn Bros. & Co. 319,894, Dec. 11, 1934. Republished Jan. 4.
Flour, Wheat. Wm. Kelly Milling Company. 69,620, June 23, 1908. Republished Jan. 4.
Flour, Wheat. The Newton Milling & Elevator Company. 58,197, Dec. 11, 1906. Republished Jan. 4.
Flour, Wheat. North Dakota Mill & Elevator Association. 419,074, Feb. 5, 1946. Republished Jan. 4.
Flour, Wheat. Pillsbury Flour Mills Company. 378,235, June 4, 1940. Republished Jan. 4.
Flour, Wheat. Pillsbury Flour Mills Company. 390,148, Sept. 9, 1941. Republished Jan. 4.
Food-beverage powder. The Tauber Co. 251,494, renewed Jan. 8, 1949. O. G. Jan. 4.
Food flavoring extract. Jewett & Sherman Co. 433,956, Nov. 4, 1947. Republished Jan. 4.
Food Products. Donahoe's Incorporated. 350,993, Oct. 12, 1937. Republished Jan. 4.
Fruits, Citrus. Indian Hill Citrus Association. 76,919, Feb. 22, 1910. Republished Jan. 4.
Fruits, Citrus. Indian Hill Citrus Association. 77,468, Apr. 12, 1910. Republished Jan. 4.
Fruits, Fresh citrous. Sunland Packing House Company. 203,811, Sept. 29, 1925. Republished Jan. 4.
Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 146,679, Sept. 20, 1921. Republished Jan. 4.
Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 152,662, Mar. 7, 1922. Republished Jan. 4.
Fruits, Fresh citrus. Camarillo Citrus Association. 300,953–5, Feb. 14, 1933. Republished Jan. 4.
Fruits, Fresh citrus. Camarillo Citrus Association. 301,064, Feb. 14, 1933. Republished Jan. 4.
Fruits, Fresh citrus. Camarillo Citrus Association. 347,401, June 22, 1937. Republished Jan. 4.
Fruits, Fresh citrus. Camarillo Citrus Association. 354,007, Jan. 25, 1938. Republished Jan. 4.
Fruits, Fresh citrus. Camarillo Citrus Association. 417,647, Nov. 6, 1945. Republished Jan. 4.
Fruits, Fresh citrus. Carpinteria Mutual Citrus Association. 250,578, Dec. 11, 1928. Republished Jan. 4.
Fruits, Fresh citrus. East Whittier Citrus Association. 295,995, July 19, 1932. Republished Jan 4.
Fruits, Fresh citrus. El Camino Citrus Association. 242,609, renewed May 29, 1948. O. G. Jan. 4.
Fruits, Fresh citrus. Goleta Lemon Association. 338,927–8, Sept. 22, 1936. Republished Jan. 4.
Fruits, Fresh citrus. Goleta Lemon Association. 339,019, Sept. 22, 1936. Republished Jan. 4.
Fruits, Fresh citrus. Goleta Lemon Association. 342,469, Jan. 19, 1937. Republished Jan. 4.
Fruits, Fresh citrus. Goleta Lemon Association. 357,599, June 7, 1938. Republished Jan. 4.
Fruits, Fresh citrus. Goodwin Citrus Association. 363,822, Jan. 10, 1939. Republished Jan. 4.
Fruits, Fresh citrus. Indian Hill Citrus Association. 378,595, June 11, 1940. Republished Jan. 4.
Fruits, Fresh citrus. Irvine Valencia Growers. 256,970, May 28, 1929. Republished Jan. 4.
Fruit, Fresh citrus. Old Baldy Citrus Association. 137,843, Dec. 7, 1920. Republished Jan. 4.
Fruit, Fresh citrus. Olive Heights Citrus Association. 364,518, Feb. 7, 1939. Republished Jan. 4.
Fruits, Fresh citrus. Olive Heights Citrus Association. 392,251, Dec. 16, 1941. Republished Jan. 4.
Fruits, Fresh deciduous. Kelseyville Packing Company. 350,818–19, Oct. 5, 1937. Republished Jan. 4.
Fruits, Fresh deciduous. Kelseyville Packing Company. 353,353, Jan. 4, 1938. Republished Jan. 4.
Fruits, Fresh deciduous. Sebastopol Fruit Growers, Association. 392,813, Jan. 13, 1942. Republished Jan. 4.
Grains, Distillers' dried. Schenley Distilleries, Inc. 410,640, Dec. 6, 1944. Republished Jan. 4.
Grapes, Fresh, fresh plums, fresh peaches, fresh lemons, etc. B. F. List. 229,081, June 21, 1927. Republished Jan. 4.
Ham. P. D. Gwaltney, Jr. & Co., Inc. 331,173, Dec. 31, 1935. Republished Jan. 4.
Hams, picnics, bacon and shoulder butts. P. D. Gwaltney, Jr. & Co., Inc. 384,642, Jan. 21, 1941. Republished Jan. 4.
Licorice confectionery. National Licorice Company. 246,279, Sept. 4, 1928. Republished Jan. 4.
Macaroni and spaghetti. West Virginia Macaroni Co. 258,853, July 16, 1929. Canceled Nov. 24, 1948. O. G. Jan. 4.
Meats, Cured. P. D. Gwaltney, Jr. & Co., Inc. 284,173, June 16, 1931. Republished Jan. 4.
Meats, Cured. P. D. Gwaltney, Jr. & Co., Inc. 283,509, July 28, 1931. Republished Jan. 4.
Mill product. Decatur Milling Company. 227,172, May 3, 1927. Republished Jan. 4.
Oil composed of peanut and olive oil, Edible. Amea Oil Co. 441,781, Jan. 4; Serial No. 514,877, published Sept. 21, 1948.
Olives, allspice, savory, etc. Chas. W. Bauermeister Co., Inc. 171,313, Aug. 7, 1923. Republished Jan. 4.
Oranges. Anaheim Citrus Fruit Association. 118,136, Aug. 21, 1917. Republished Jan. 4.
Pickles. W. & W. Pickle and Canning Co. 217,090–1, Aug. 24, 1926. Republished Jan. 4.
Pickles. The J. Weller Company. 249,152, Nov. 6, 1928. Republished Jan. 4.

Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 231,824, Aug. 30, 1927. Republished Jan. 4.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 231,832, Aug. 30, 1927. Republished Jan. 4.
Pickles, chowchow, and relish. W. & W. Pickle and Canning Co. 233,433, Sept. 27, 1927. Republished Jan. 4.
Popcorn (raw), canned vegetables, canned fruits, etc. Haas, Baruch & Co. 250,796, Dec. 18, 1928. Republished Jan. 4.
Pork, Cured, and smoked. Albany Packing Co., Inc. 243,316, June 19, 1928. Republished Jan. 4.
Preserves, jellies, fruit-butters, and mincemeat. Van Lill Preserving Company. 23,264, June 27, 1893. Republished Jan. 4.
Raw produce. The Farr Produce Company. 209,672, Mar. 2, 1926. Republished Jan. 4.
Salad dressing and vegetable relish. Henard Mayonnaise Company. 183,164, Apr. 22, 1924. Republished Jan. 4.
Salt. Worcester Salt Company. 277,388–90, Nov. 11, 1930. Republished Jan. 4.
Spices, mince meat, rice, etc. Chas. W. Bauermeister Co. Inc. 84,810, Jan. 9, 1912. Republished Jan. 4.
Sweeteners, Powdered or liquid, saccharine substances, and venzoic sulfinids. Fries Bros. 31,790, July 5, 1898. Republished Jan. 4.
Table-salt, Compound. Worcester Salt Company. 74,109, June 15, 1909. Republished Jan. 4.
Tomato catsup and pickles. The J. Weller Company. 249,346, Nov. 13, 1928. Republished Jan. 4.
Tomatoes, Fresh. F. E. Mojonnier. 168,105, May 15, 1923. Republished Jan. 4.
Vanilla, Artificial. Felton Chemical Company, Inc. 239,928, Mar. 13, 1928. Republished Jan. 4.
Vegetables, Fresh. Salinas Valley Vegetable Exchange. 393,155, Jan. 27, 1942. Republished Jan. 4.
Vegetables, Fresh, fresh fruit, fresh berries. F. E. Mojonnier. 252,327, Feb. 5, 1929. Republished Jan. 4.
Wheat products. North Dakota Mill and Elevator Association. 193,246, Dec. 23, 1924. Republished Jan. 4.

CLASS 47

Wine. Upland Winery. 423,040, Aug. 20, 1946. Republished Jan. 4.
Wines. J. H. & J. Brooke Limited. 373,562, Dec. 12, 1939. Republished Jan. 4.
Wines. San Gabriel Wine Co., Inc. 376,017, Mar. 12, 1940. Republished Jan. 4.

CLASS 48

Ale. Fox Head Waukesha Corporation. 395,846, June 16, 1942. Republished Jan. 4.
Beer. Fox Head Waukesha Corporation. 405,409, Feb. 1, 1944. Republished Jan. 4.
Beer, Bottled. M. K. Goetz Brewing Co. 32,494, renewed Feb. 14, 1949. O. G. Jan. 4.
Beer, Lager and pale. Fox Head Waukesha Corporation. 399,383, Jan. 5, 1943. Republished Jan. 4.
Lager-beer. The Gottlieb Bauernschmidt Straus Brewing Company. 100,633, Oct. 20, 1914. Republished Jan. 4.
Lager-beer. The Gottlieb Bauernschmidt Straus Brewing Company. 100,909, Oct. 27, 1914. Republished Jan. 4.
Lager-beer, ale, stout, etc. Milwaukee-Waukesha Brewing Company. 95,334, Feb. 10, 1914. Republished Jan. 4.
Malt beverage, Cereal. Terre Haute Brewing Company. 129,228, Jan. 27, 1920. Republished Jan. 4.

CLASS 49

Brandy. Martell & Co. 328,095, Sept. 17, 1935. Republished Jan. 4.
Whiskey. Continental Distilling Corporation. 316,760, Sept. 4, 1934. Republished Jan. 4.
Whiskey. Schenley Distributors, Inc. 343,353, Feb. 16, 1937. Republished Jan. 4.

CLASS 50

Castings, Plastic. Gemloid Corporation. 392,064, Dec. 9, 1941. Canceled Nov. 24, 1948. O. G. Jan. 4.
Name plates; poultry equipment. James Manufacturing Company. 250,249, renewed Dec. 4, 1948. O. G. Jan. 4.
Packing pads. H. W. Selle & Co. 217,553, Sept. 7, 1926. Republished Jan. 4.
Rubber. Premoid Products Inc. 255,362, renewed Apr. 23, 1949. O. G. Jan. 4.

CLASS 55

Freight and passenger transportation service by railroad. Southern Railway Company. 505,509, Jan. 4; Serial No. 528,523, published Sept. 21, 1948.
Laminating or affixing to a paper or textile base a plastic film. Arvey Corporation. 505,510, Jan. 4; Serial No. 529,342, published Sept. 28, 1948.
Personal loans and installment financing. Postal Finance Company. 505,512, Jan. 4; Serial No. 535,259, published Sept. 21, 1948.
Service of railroad transportation of passengers and freight. Norfolk and Western Railway Company. 505,511, Jan. 4; Serial No. 531,704, published Sept. 21, 1948.
Services rendered in the small loan, etc. Beneficial Industrial Loan Corporation. 505,508, Jan. 4; Serial No. 527,276, published Sept. 21, 1948.
Services rendered in the small loan, instalment loan, etc. Beneficial Industrial Loan Corporation. 505,507, Jan. 4; Serial No. 527,266, published Sept. 28, 1948.
Waterproofing, flameproofing, mildew-proofing of woven fabric cloth. Champion Textile Finishing Company. 505,513, Jan. 4; Serial No. 537,984, published Sept. 21, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armco Steel Corporation, assignee: *See*—
Feild, Alexander L.

Durrin, Monte K., Little Rock, Ark. Hand loom. Re. 23,071, Jan. 4.

Feild, Alexander L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic polishing of stainless steel. Re. 23,068, Jan. 4.

Feild, Alexander L., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic polishing of stainless steel. Re. 23,069, Jan. 4.

General Motors Corporation, assignee: *See*—
Henderson, Nelson H.

Henderson, Nelson H., Syracuse, N. Y., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Clothes washer. Re. 23,070, Jan. 4.

Newman, Max M., assignor of one-half to V. Newman, New York, N. Y. Shirt collar shaping device. Re. 23,072, Jan. 4.

Newman, Victor, assignee: *See*—
Newman, Max M.

LIST OF PLANT PATENTEES

Tresca, Fuller, Jacksonville, Fla. Ligustrum plant. 818, Jan. 4.

LIST OF DESIGN PATENTEES

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 152,235, Jan. 4.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Bracelet or the like. 152,236, Jan. 4.

Augenstein, Karl C., Cranston, assignor to Speidel Corporation, Providence, R. I. Terminal link for a watch bracelet or similar article. 152,237, Jan. 4.

Automatic Electric Laboratories, Inc., assignee: *See*—
McKenna, Edward F.

Barofsky, Leslie V., Chicago, Ill. Jack-in-the-box display figure. 152,238, Jan. 4.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Lum, George R.

Bocher, Main R., New York, N. Y. Perfume bottle. 152,239, Jan. 4.

Carpenter, Albert B.: *See*—
Nemeth, Frank.

Chernow, Michael, New York, N. Y. Jewelry finding. 152,240, Jan. 4.

China & Glass Distributors, Inc., assignee: *See*—
Zeisel, Eva S.

Collins, Edward J., Brentwood, Los Angeles, Calif., assignor to R. T. Moloney, Chicago, Ill. Amusement machine cabinet. 152,241, Jan. 4.

Dahm, Norman W., and A. F. Keller, San Diego, Calif. Fish lure. 152,242, Jan. 4.

De Bay, George C., Jr., West Palm Beach, Fla. Fishing lure. 152,243, Jan. 4.

Diecha Industries, assignee: *See*—
Turner, Lawson E.

Elimore Silver Co., Inc., The, assignee: *See*—
McKiernan, Thomas B.

Endicott Johnson Corporation, assignee: *See*—
Williams, William T.

Etkin, Simon, New York, N. Y. Jacket. 152,244, Jan. 4.

Farrell, Frank, assignor to J. Ruppert, New York, N. Y. Foam scraper holder. 152,245, Jan. 4.

Federico, Joseph B., New Baltimore, Mich., assignor to Master Metal Products, Inc., Buffalo, N. Y. Tool chest or the like. 152,246, Jan. 4.

Finch Telecommunications, Inc., assignee: *See*—
Teague, Walter D.

Flesh, Stanley J., Chicago, Ill. Tripod head for a camera or similar article. 152,247, Jan. 4.

Fortino, Thomas, Belleville, N. J. Television screen protector. 152,248, Jan. 4.

Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Service cart for service stations and the like. 152,249, Jan. 4.

Franck, Kurt, and V. Wince, Newark, Ohio, assignors to Holophane Company, Inc., New York, N. Y. Glass plate for lighting fixtures. 152,250, Jan. 4.

Freedman, Jules, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Coat. 152,251, Jan. 4.

Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,252, Jan. 4.

Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,253, Jan. 4.

Gallo, Michael S., Racine, Wis. Holder for eyeglasses. 152,254, Jan. 4.

Glenwood Range Company, assignee: *See*—
Hallward, Michael.

Globe-Democrat Publishing Co., assignee: *See*—
Thuernau, Henry A.

Goeller, Doris A., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe. 152,255, Jan. 4.

Gorman, Chester J., West Bend, Wis. Fish lure. 152,256, Jan. 4.

Gould, Dudley M., New York, and A. E. Lewis, Brooklyn, N. Y. Pin receptacle. 152,257, Jan. 4.

Gould, Hugh B., Berwyn, assignor, by mesne assignments, to F. C. Kollath, Chicago, Ill. Electric connector. 152,258, Jan. 4.

Grad, David, Company, assignee: *See*—
Kasoff, Daniel.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,259, Jan. 4.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,260, Jan. 4.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,261, Jan. 4.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,262, Jan. 4.

Gustafson, Folke M., and J. M. Little, Toledo, Ohio, assignors to Manning, Maxwell & Moore, Inc., Muskegon, Mich. Bridge crane. 152,263, Jan. 4.

Haft, Morris W., & Bros., Inc., assignee: *See*—
Freedman, Jules.

Hallward, Michael, Swampscott, assignor to Glenwood Range Company, Taunton, Mass. Range. 152,264, Jan. 4.

Hartford Products Corporation, The, assignee: *See*—
Muller-Munk, Peter.

Hatlell, Andrew O., Grand Forks, N. Dak. Railroader's cap. 152,265, Jan. 4.

Hickok Manufacturing Co. Inc., assignee: *See*—
Vaisey, Harold C.

Holophane Company, Inc., assignee: *See*—
Franck, Kurt, and Wince.

Jenks, Albert L., Dixon, assignor to Motorola, Inc., Chicago, Ill. Television receiver cabinet. 152,266, Jan. 4.

Kamin, Vernon A., Elgin, assignor to Motorola, Inc., Chicago, Ill. Front panel for a television receiver or the like. 152,267, Jan. 4.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,268, Jan. 4.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,269, Jan. 4.
Kasprsak, Jan, New York, N. Y. Fruit squeezer. 152,270, Jan. 4.
Keller, Albert F.: *See*—
Dahm, Norman W.
Kollath, Francis C., assignee: *See*—
Gould, Hugh B.
Kramer, Louis, New York, N. Y. Brooch or similar article. 152,271, Jan. 4.
Kueppersbusch, Fritz, Mamaroneck, N. Y. Illuminable vanity case or the like. 152,272, Jan. 4.
Leonard, Ralph N., Chicago, Ill. Trailer attachment for a power lawn mower or the like. 152,273, Jan. 4.
Lewis, Alexander E.: *See*—
Gould, Dudley M., and Lewis.
Lincoln Engineering Company, assignee: *See*—
Fox, Alexander P.
Lipman, Julius, New York, N. Y. Lady's suit. 152,274, Jan. 4.
Little, John M.: *See*—
Gustafson, Folke M., and Little.
Ludwig, Louis, New York, N. Y. Electrical cleat receptacle body. 152,275, Jan. 4.
Lum, George R., South Wilton, Conn., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wall mounting for a hand telephone. 152,276, Jan. 4.
Manning, Maxwell & Moore, Inc., assignee: *See*—
Gustafson, Folke M., and Little.
Manville, Charles N., Lynwood, Calif. Booth. 152,277, Jan. 4.
Marlin Manufacturing Company, Inc., assignee: *See*—
Sado, Harry.
Master Metal Products, Inc., assignee: *See*—
Federico, Joseph B.
McKenna, Edward F., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combined telephone desk stand and handset. 152,278, Jan. 4.
McKiernan, Thomas B., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Liquor jigger or similar article. 152,279, Jan. 4.
McKiernan, Thomas B., assignor to The Ellmore Silver Co., Inc., Meriden, Conn. Liquor jigger or similar article. 152,280, Jan. 4.
Mehr, Jacob A., St. Louis, Mo. Ultraviolet lamp. 152,281, Jan. 4.
Mehr, Jacob A., St. Louis, Mo. Combined lamp and magnifier. 152,282, Jan. 4.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*—
Goeller, Doris A.
Misson, William H., Los Altos, Calif. Paper punch. 152,283, Jan. 4.
Modine Manufacturing Company, assignee: *See*—
Teague, James.
Moloney, Raymond T., assignee: *See*—
Collins, Edward J.
Motorola, Inc., assignee: *See*—
Jenks, Albert L.
Kamin, Vernon A.
Muller-Munk, Peter, Pittsburgh, Pa., assignor to The Hartford Products Corporation, Chicago, Ill. Beverage brewing device. 152,284, Jan. 4.
National Pictorial Lamp, Inc., assignee: *See*—
Rubin, Herman.
Nemeth, Frank, assignor of one-half to A. B. Carpenter, Akron, Ohio. Fish lure. 152,285, Jan. 4.
Patterson, Glenn A., assignor to Sta-Rite Products, Incorporated, Delavan, Wis. Base exchange water treatment apparatus. 152,286, Jan. 4.
Pope, Melkiah E., Montrose, Calif. Fish lure. 152,287, Jan. 4.
Raphaels, Edwin, New York, N. Y. Textile fabric. 152,288, Jan. 4.
Reinstein, Harry, Rye, N. Y. Link chain for a bracelet or similar article. 152,289, Jan. 4.
Roberts, Henry C., Detroit, Mich. Pull toy. 152,290, Jan. 4.
Rubin, Herman, assignor to National Pictorial Lamp, Inc., Los Angeles, Calif. Lamp. 152,291, Jan. 4.
Ruppert, Jack, assignee: *See*—
Farrell, Frank.
Sado, Harry, assignor to Marlun Manufacturing Company, Inc., New York, N. Y. Electric broiler. 152,292, Jan. 4.
Shaw, Jack, Brooklyn, N. Y. Hanging flower basket. 152,293, Jan. 4.
Siegel, Harold E., and M. Paull, Rochester, N. Y. Advertising display device for attachment to parking meters. 152,294, Jan. 4.
Simun, Vavrince, Detroit, Mich. Trolling spinner. 152,295, Jan. 4.
Smith, Frasier, Wheeling, W. Va., assignor to L. Perrigo Company, Allegan, Mich. Bottle. 152,296, Jan. 4.
Smith, Jesse E., Greenbelt, Md. Badge or the like. 152,297, Jan. 4.
Speidel Corporation, assignee: *See*—
Augenstein, Karl C.
Sta-Rite Products, Incorporated, assignee: *See*—
Patterson, Glenn A.
Strassner, John F., New York, N. Y. Coat. 152,298, Jan. 4.
Strassner, John F., New York, N. Y. Jacket. 152,299, Jan. 4.
Strassner, John F., New York, N. Y. Coat. 152,300, Jan. 4.
Strassner, John F., New York, N. Y. Jacket. 152,301, Jan. 4.
Teague, James, Chicago, Ill., assignor to Modine Manufacturing Company, Racine, Wis. Unit heater casing. 152,302, Jan. 4.
Teague, Walter D., Annandale, assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 152,303, Jan. 4.
Thuernau, Henry A., Clayton, assignor to Globe-Democrat Publishing Co., St. Louis, Mo. Illuminable outdoor advertising display. 152,304, Jan. 4.
Thuernau, Henry A., Clayton, assignor to Globe-Democrat Publishing Co., St. Louis, Mo. Outdoor advertising bulletin board. 152,305, Jan. 4.
Turner, Lawson E., assignor to Diecha Industries, Owosso, Mich. Electric circulating heater. 152,306, Jan. 4.
Valsey, Harold C., assignor to Hickok Manufacturing Co. Inc., Rochester, N. Y. Chain tie clip. 152,307, Jan. 4.
Wells, Russell W., Pomona, Calif. Fish lure. 152,308, Jan 4..
Williams, William T., Johnson City, assignor to Endicott Johnson Corporation, Endicott, N. Y. Over-the-shoe boot. 152,309, Jan. 4.
Wince, Veari: *See*—
Franck, Kurt, and Wince.
Winnek, Douglas F., Margate City, N. J. Photographic film developing unit or similar article. 152,310, Jan. 4.
Winnek, Douglas F., Margate City, N. J. Photographic film developing unit or similar article. 152,311, Jan. 4.
Zeisel, Eva S., assignor to China & Glass Distributors, Inc., New York, N. Y. Hot water plate. 152,312, Jan. 4.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 4TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Ward D., Orchard Park, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High velocity motor ventilation. 2,457,967, Jan. 4.
Abner, Willard, Burbank, Calif. Tire tube tester. 2,458,126, Jan. 4.
Adams, Charles R., Donavon, Saskatchewan, Canada. Top endgate. 2,457,857, Jan. 4.
Adams, Clyde S., Yellow Springs, assignor to The National Cash Register Company, Dayton, Ohio. 2(4,4' bis dimethylaminobensohydryl) 5 dimethylaminobenzoic acid. 2,458,328, Jan. 4.
Aero Supply Mfg. Co. Inc., assignee: *See*—
Suska, Charles R.
Aeroquip Corporation, assignee: *See*—
Main, Donald W.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Jansen, Eugene F., Jang, and MacDonnell.
Nichols, Peter L., Jr., and Smith.
Ahrens, Charles R., Glendale, Calif. Convertible vehicle. 2,458,127, Jan. 4.
Airpath Instrument Company, assignee: *See*—
Phelps, James O., and Cottrill.
Air Reduction Company, Incorporated, assignee: *See*—
Hooper, Harry.
Alexander, Crusan, Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovering hydrogen fluoride from an azeotropic mixture by crystallization. 2,458,044. Jan. 4.
Alexander, Joseph, New York, N. Y. Package carrier and cord cutting device. 2,457,858, Jan. 4.
Allen, Charles C., River Forest, and J. J. Filliung, Jr., Chicago, Ill.; said Fillung assignor to said Allen. Automatic racing system. 2,457,968, Jan. 4.
Allen, Joseph W., Washington, D. C. Self-sealing vent cap. 2,457,800, Jan. 4.
Allmanna Svenska Elelstriska Aktiebolaget, assignee: *See*—
Arnemo, Helge.
Malmberg, Tore G.
Altenberg, Orville L., Long Beach, Calif. Instrument for detecting strain in translucent materials. 2,457,799, Jan. 4.
Alterio, Eugene, New York, N. Y. Rotary engine. 2,458,128, Jan. 4.
Alvarez, Octavio J.: *See*—
Fulton, Robert E., Jr., and Alvarez.
American Bag & Paper Corporation, assignee: *See*—
Kardon, Emanuel S.
American Bakers Machinery Company, assignee: *See*—
Buechek, John.
American Coach & Body Company, The, assignee: *See*—
Farrar, Alvin J.
American Hoist & Derrick Co., assignee: *See*—
Stoddard, Robert J.
American Locomotive Company, assignee: *See*—
Farkas, George B., and Gunter.
American Machine and Metals, Inc., assignee: *See*—
Davis, Archibald H., Jr.
American Steel Foundries, assignee: *See*—
Schlegel, Walter L., Jr.
Amstutz, Walter R., Forest Park, assignor to Metal Specialties Manufacturing Co., Chicago, Ill. Letter scale and the like. 2,458,129, Jan. 4.
Anderson, James H., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rotation device for rock drills. 2,457,969, Jan. 4.
Andreau, Jean E., Danrat near Leognan, France. Fairing for automobile vehicles. 2,458,130, Jan. 4.
Angus, Everett N., Oaklyn, N. J. Blower unit and assembly. 2,458,045, Jan. 4.
Anthes Force Oiler Company, assignee: *See*—
Tolbert, William P.
Appliance Corporation of America, assignee: *See*—
Horvath, John F.
Archer, Edward N., Inglewood, Calif. Clamp for applying and removing jar covers. 2,458,329, Jan. 4.
Armstrong Cork Company, assignee: *See*—
Stubblebine, Warren.
Arnemo, Helge, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Short-circuited winding. 2,458,237, Jan. 4.
Attorney General of the United States, Vested in: *See*—
Weston, Herbert.
Zeehuisen, Jacob J.
Audet, Esdras, Shawinigan Falls, Quebec, Canada. Key controlled lock. 2,458,046, Jan. 4.
Audler, Mark, Milwaukee, and W. H. Elliott, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Control of energy supplied to translating devices. 2,458,131, Jan. 4.
Austin, Harold S., Dallas, Tex. Hypodermic syringe. 2,457,859, Jan. 4.
Automatic Electric Laboratories, Inc., assignee: *See*—
Grimes, Harlan E.
McCreary, Harold J.
Staats, Henry N.
Taylor, Reginald, and Baker.
Babcock, Verner E., Oak Harbor, Ohio. Backlash preventer for fishing reels. 2,458,047, Jan. 4.
Bachle, Carl F.: *See*—
Vincent, Edward T.
Bacon, Ardell E., executrix: *See*—
Larkin, William J., and Bacon.
Bacon, Dana H.: *See*—
Larkin, William J., and Bacon.
Bailey, George B., and O. Ziegler, assignors to The Hays Corporation, Michigan City, Ind. Making packing material for chemical apparatus. 2,458,238, Jan. 4.
Bailey, Lillian D., Leominster, Mass. Nursing bottle holder. 2,457,972, Jan. 4.
Bailie, James C., assignor to Standard Oil Company, Chicago, Ill. Producing microspherical silica gels. 2,457,970, Jan. 4.
Baker, George T.: *See*—
Taylor, Reginald, and Baker.
Baker, James G., Waban, Mass., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Schmidt image former with spherical aberration corrector. 2,458,132, Jan. 4.
Baldwin Locomotive Works, The, assignee: *See*—
De Forest, Alfred V.
Ruge, Arthur C.
Ball, Charles F., Franklin, Pa., assignor to Joy Manufacturing Company. Friction clutch with adjustment for torque transmitting capacity. 2,457,801, Jan. 4.
Balluff, Edwin J.: *See*—
Hammell, Kemper M., and Balluff.
Bartgis Bros. Company, assignee: *See*—
Lupton, Elmer H.
Bartlett, Edward T., Philadelphia, Pa. Support for fowl or the like. 2,458,239, Jan. 4.
Baskerville, Ralph J., Merwood Park, Pa., assignor to General Electric Company. Operating mechanism for electric circuit breakers. 2,458,240, Jan. 4.
Bauer, August, Beechhurst, N. Y. Silencer and recoil reducer for firearms. 2,457,802, Jan. 4.
Bauer, Harold G., Eden, Idaho. Swinging hitch. 2,458,330, Jan. 4.
Bauman, John J., Abington, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Humidity control system. 2,458,048, Jan. 4.
Baur, John W.: *See*—
Striegel, Harold L., Gustafson, and Baur.
Beall, III, Benjamin S.: *See*—
Tower, Dell K., and Beall, III.
Beck, Lester E., Danville, Iowa. Posthole digger. 2,458,241, Jan. 4.
Behrens, Walter A., Jamaica, N. Y., assignor to The Canister Company, Inc., Phillipsburg, N. J. Bottle carrier. 2,458,133, Jan. 4.
Belden, Clark D., Minneapolis, Minn. Adjustable ventilator. 2,458,134, Jan. 4.
Bell, Alfred B., Philadelphia, Pa., assignor to Heywood-Wakefield Company, Gardner, Mass. Adjustable footrail. 2,458,463, Jan. 4.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dubuar, Arthur S.
Edson, James O.
Hibbard, Frank H.
Ingram, Sydney B.
Kolding, Aaron R.
Little, John B., and Munson.
Rea, Wilton T.
Bemis Bro. Bag Company, assignee: *See*—
Kindseth, Harold V.
Bendix Aviation Corporation, assignee: *See*—
Gilbert, Samuel.
Gordon, James F.
MacNeil, Charles I.
Waldron, Claude F.
Bennett, Arthur E. C.: *See*—
Straub, Eugene L., and Bennett.
Bennett, Owen G., and J. Dubin, Baltimore, Md., assignors to Catalyst Research Corporation, Pittsburgh, Pa. Delay fuse compositions. 2,457,860, Jan. 4.
Bently, Emmett C., and W. L. Reese, Abilene, Tex. Cigarette humidor. 2,458,135, Jan. 4.

Ben Venue Laboratories, Inc., assignee: *See*—
Goorley, John T.

Berger, Kornel, Kew Gardens, N. Y. Lamp. 2,458,136, Jan. 4.

Berger, Samuel I., Newark, N. J. Toy typewriter. 2,458,137, Jan. 4.

Berry, Christopher A.: *See*—
Bubler, Eugen, and Berry.

Bescherer, Palmer, York, Pa., assignor to Diebold, Incorporated, Canton, Ohio. Vault wall construction. 2,458,242, Jan. 4.

Biddle, Arthur, assignor to Reynolds Metals Company, Richmond, Va. Aluminum covered glass thread. 2,458,243, Jan. 4.

Binks Manufacturing Company, assignee: *See*—
Striegel, Harold L., Gustafsson, and Baur.

Bixby, Guy T., Dayton, Ohio. Spring clip fabric ammunition belt. 2,457,803, Jan. 4.

Black, Robert A., assignee: *See*—
Murray, Victor E.

Blanchard, Benjamin W., Jr., Pine Hill, N. J. Electromagnetic receptacle for lamps. 2,458,138, Jan. 4.

Blau, Marietta, assignor to International Rare Metals Refinery, Inc., New York, N. Y. Ionizing means and ionization. 2,457,973, Jan. 4.

Bliss, Warren H., Orono, Maine, assignor to Radio Corporation of America. Pulse type telegraph receiver. 2,457,974, Jan. 4.

Blits, Daniel: *See*—
Sanders, Jr., Royden C., and Blits.

Bloch, Herman S., Chicago, and G. L. Hervert, Berwyn, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons containing neutral organic sulfate. 2,458,049, Jan. 4.

Blondelle, Abel L. C., Sartouville, assignor to Society Entreprises Metropolitaines & Coloniales, S. A., Paris, France. System for laying or removing railway tracks. 2,458,050, Jan. 4.

Bohl, Hermann F., Palisade, N. J. Cutting tool. 2,458,244, Jan. 4.

Bolt, John A., assignor to Standard Oil Company, Chicago, Ill. Removing mercaptans. 2,457,975, Jan. 4.

Bordelon, Lawrence J., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Underwing fueling system. 2,458,245, Jan. 4.

Borell, George L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Flowmeter. 2,458,331, Jan. 4.

Boschan, Francis, Philadelphia, Pa. Shelf hanger. 2,458,332, Jan. 4.

Bosma, Alfred S., New Holstein, Wis., assignor to Hart-Carter Company, Peoria, Ill. Outboard motor lubricating system. 2,458,051, Jan. 4.

Boucher, Percival L., Troon, assignor to Glenfield and Kennedy Limited, Kilmarnock, Scotland. Filter or strainer for liquids. 2,458,139, Jan. 4.

Bower, John O., Wyncote, Pa. Synthetic blood suture and method. 2,457,804, Jan. 4.

Brady, Francis E., Jr., Muncie, Ind. Method and apparatus for cleansing water-cooling systems and the like. 2,458,333, Jan. 4.

Brassert, H. A., & Company, assignee: *See*—
Brassert, Herman A.

Brassert, Herman A., Washington, Conn., assignor to H. A. Brassert & Company, New York, N. Y. Manufacturing metal products. 2,457,861, Jan. 4.

Breese Corporation, Inc.: *See*—
Wright, Frank.

Breitbarth, Henry, Chicago, Ill. Eye exerciser. 2,458,140, Jan. 4.

Brereton, Gilbert, Toronto, Ontario, Canada. Container. 2,458,246, Jan. 4.

Briskin, Theodore S., assignor to Excel Auto Radiator Company, Chicago, Ill. Combustion heater with thermally controlled fuel supply. 2,457,862, Jan. 4.

British Power Boat Company, The, Limited, assignee: *See*—
Hill, Harry.

Bromley, Frank D., Portsmouth, R. I. Crucible handling device. 2,458,141, Jan. 4.

Broslus, John, Jr., Seattle, Wash. Light control. 2,458,334, Jan. 4.

Broughton, Douglas J., assignor to Buxton, Incorporated, Springfield, Mass. Attaching panel for key cases. 2,458,335, Jan. 4.

Brown, Barremore B., Princeton, N. J., assignor to Radio Corporation of America. Electrode assembly for electron discharge devices. 2,458,142, Jan. 4.

Brown, Chester W., assignor to Line Material Company, Milwaukee, Wis. Three-phase transformer construction. 2,458,052, Jan. 4.

Brown, Norman F., Stow, Scotland, assignor of one-half to Indo-Burma Petroleum Company Limited, Calcutta, India. Apparatus for raising natural oils and other liquids by gaseous pressure. 2,458,053, Jan. 4.

Brown, Russell M., Prince Georges County, Md. Draftsman's device. 2,458,054, Jan. 4.

Brownlee, Allen L., assignor to Wico Electric Company, West Springfield, Mass. Field magnet unit for flywheel magnetos. 2,458,336, Jan. 4.

Bruson, Herman A., Rydal, and T. W. Riener, assignors, by mesne assignments, to Röhm & Haas Company, Philadelphia, Pa. Preparing gamma-dialkyl butyronitriles. 2,458,337, Jan. 4.

Bryan, Ernest A., Bexley, assignor to Siemens Brothers & Co. Limited, London, England. Electromagnetic relay. 2,458,247, Jan. 4.

Buebke, Carl C., Portland, Oreg. Car pit form. 2,458,055, Jan. 4.

Buechek, John, Kokomo, Ind., assignor, by mesne assignments, of one-half to American Bakers Machinery Company, St. Louis, Mo. Dough folding machine. 2,458,338, Jan. 4.

Buffalo Electrical-Chemical Company, Inc.: *See*—
Rudolph, Hans A., and McEwen.

Buhler, Engen, and C. A. Berry, Poughkeepsie, assignors to International Business Machines Corporation, New York, N. Y. Machine adapted for typing Chinese ideographs. 2,458,339, Jan. 4.

Bujan, Ramon, New York, N. Y. Hand driven device. 2,458,248, Jan. 4.

Bulgarini, Luis, Buenos Aires, Argentina, assignor of 32½% to Sara Maria Iribarren de Olariaga, and 32½% to Percy Forster. Electric switch. 2,458,056, Jan. 4.

Bunting, Ernest V., assignor to Harry Ferguson, Inc., Dearborn, Mich. Adjustable wheel and axle assembly. 2,458,249, Jan. 4.

Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrically welding composite metal reel heads. 2,458,340, Jan. 4.

Burks, Arthur W., assignor to Decatur Pump Company, Decatur, Ill. Air charger. 2,457,863, Jan. 4.

Burn, Philip H., Forest Hills, N. Y. Purchase sheet marking device. 2,457,864, Jan. 4.

Burnham Corporation, assignee: *See*—
Wilson, Walter.

Burns, Frank B., Chicago, Ill., M. S. Larrison, Frankford, Pa., and M. C. Higgs, North Riverside, assignors to United States Gypsum Company, Chicago, Ill. Fire resistant asphalt roofing. 2,458,143, Jan. 4.

Burtle, William R., Upper Darby, Pa. Power transmission belt. 2,458,057, Jan. 4.

Busacker, John W., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal switch. 2,458,465, Jan. 4.

Busacker, John W., Houston, Tex., and T. M. Perry, Bennington, Vt., assignors to the United States of America as represented by the Secretary of the Navy. Switch. 2,458,464, Jan. 4.

Bush, Burton T., Inc., assignee: *See*—
Cade, Arthur R., and Gump.

Bush, George L., Flushing, assignor to The Teleregister Corporation, New York, N. Y. Telegraph code converter. 2,458,144, Jan. 4.

Buxton, Incorporated, assignee: *See*—
Broughton, Douglas J.

Cade, Arthur R., Rutherford, and W. S. Gump, Upper Montclair, N. J., assignors to Burton T. Bush, Inc., New York, N. Y. Aliphatic esters of 2,4,5-trichlorophenol. 2,457,805, Jan. 4.

Cake, Andrew R., Norfolk, Va. Carton folding machine. 2,458,341, Jan. 4.

Campbell, Lawrence F., Silver Spring, Md. Camera adapter for stereopictures. 2,458,466, Jan. 4.

Canister Company, Inc., The, assignee: *See*—
Behrens, Walter A.

Caprice Limited, assignee: *See*—
Levy, Sabine.

Caputi, Alfred A., Buffalo, N. Y. Shoeshine shield. 2,458,250, Jan. 4.

Carbide and Carbon Chemical Corporation, assignee: *See*—
Carter, Clare A.

Carbuhn, Harold G., Spokane, Wash. Control lever booster. 2,458,342, Jan. 4.

Carleton, Emile J., assignor to Hydraulic Engineering Co. Inc., Holyoke, Mass. Rotary seal. 2,458,343, Jan. 4.

Carmichael, Asa B., Tujunga, Calif. Toy wagon. 2,457,865, Jan. 4.

Carrol, Raleigh S., Lebanon, Oreg. Holder for chain saw sharpeners. 2,458,058, Jan. 4.

Carroll, Richard S., Longmeadow, Mass. Precision dial indicator mounting for machine tools. 2,458,344, Jan. 4.

Carter, Clare A., South Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Condensation of alcohols. 2,457,866, Jan. 4.

Casner Patents, Inc., assignee: *See*—
Roters, Herbert C.

Cass, John A., Moolfontein, Transvaal, Union of South Africa. Apparatus for threshing podded or shell inclosed field crops. 2,458,345, Jan. 4.

Catalyst Research Corporation, assignee: *See*—
Bennett, Owen G., and Dubin.

Caterpillar Tractor Co., assignee: *See*—
Van Zandt, Rollin P.

Celanese Corporation of America, assignee: *See*—
Dort, Robert G.
Schweizer, Ernest.
Sitzler, Richard R., and Dennison.

Central Commercial Company, assignee: *See*—
Langer, Nicholas.

Challet, Etienne, assignor to Entreprises Electriques Fribourgeoises, Fribourg, Switzerland. Solid electric heating plate. 2,458,251, Jan. 4.

Chambers, William J., Chicago, Ill. Apparatus for vacuum sealing canned food. 2,457,867, Jan. 4.

Charlin, André M. B., Montrouge, France. Picture centering mechanism for motion-picture projection apparatus. 2,458,346, Jan. 4.

Chatterton, Lloyd N., Cleveland, Ohio. Securing device. 2,458,252, Jan. 4.

Chicago Fire Brick Company, assignee: *See*—
Young, William G.

Chicago Pneumatic Tool Company, assignee: *See*—
Fischer, Howard R.

Chiesa, Robert R., Johnsonburg, Pa. Magnetic windshield wiper. 2,457,868, Jan. 4.

Chisholm, Douglas S., and T. Griswold, Jr., assignors to The Dow Chemical Company, Midland, Mich. Apparatus for metals distillation. 2,458,253, Jan. 4.

Christensen, Norman V., Chicago, Ill., and H. J. Le Vesconte, Glendale, Calif., and A. M. Schweda, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill. Electrical seaming apparatus. 2,458,059, Jan. 4.

Christiansen, William J., Bogota, N. J. Form tool grinding attachment for grinding machines. 2,458,347, Jan. 4.

Christianson, Carl R.: *See*—
Smith, Leathem D., Stearn, and Christianson.

Chrysler Corporation, assignee: *See*—
Edwards, Franklin W.

City National Bank and Trust Company of Chicago, assignee: *See*—
Frankel, Leo.

Clapper, Clyde E., Kansas City, Mo. Tractor hitch. 2,457,976, Jan. 4.

Clayton, William J.: *See*—
Svendsen, Edward C., and Clayton.

Clemens, Earl L., assignor of one-half to M. Clemens, Saginaw, Mich. Circuit testing apparatus. 2,457,869, Jan. 4.

Clemens, Mildred, assignee: *See*—
Clemens, Earl L.

Cleveland, Harry W., assignor to Eastman Kodak Company, Rochester, N. Y. Electric resistance film hygrometer. 2,458,348, Jan. 4.

Clower, Joseph B., Woodstock, Va. Ice-cream receptacle holding device. 2,458,060, Jan. 4.

Coffey, Earl G., Sioux City, Iowa. Impression taking means. 2,458,145, Jan. 4.

Coggeshall, Norman D.: *See*—
Muskat, Morris, and Coggeshall.

Colburn, Edward D., South Glens Falls, N. Y. Control means for aircraft. 2,458,146, Jan. 4.

Cole, Fred B., San Anselmo, Calif. Can opener. 2,458,254, Jan. 4.

Colgate-Palmolive-Peet Company, assignee: *See*—
Ittner, Martin H.

Collins Radio Company, assignee: *See*—
Maki, George J.

Combined Optical Industries, Limited, assignee: *See*—
Jeffree, John H.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Bordelon, Lawrence J.
Smith, Herbert A.

Continental Aviation & Engineering Corporation, assignee: *See*—
Hulbert, Edward A.
Vincent, Edward T., and Bachle.

Continental, Incorporated, assignee: *See*—
Fulton, Robert E., Jr., and Alvarez.

Cook, John, Ridgewood, N. J. Three-phase electric resistance wire heating apparatus. 2,457,870, Jan. 4.

Cookson, Leonard T., assignor to The Upjohn Company, Kalamazoo, Mich. Continuous injection machine. 2,457,977, Jan. 4.

Cooper, Clifford E., Newtown, near Sydney, New South Wales, Australia. Adjustable louver shutter or blind. 2,457,781, Jan. 4.

Cooper, Kenneth C., Portland, assignor to United Aircraft Corporation, East Hartford, Conn. Control for free-piston units. 2,458,147, Jan. 4.

Cottrill, George W.: *See*—
Phelps, James O., and Cottrill.

Coulter, Harold B., Larchmont, assignor to The Dorr Company, New York, N. Y. Slurry mixer. 2,458,061, Jan. 4.

Courtaulds Limited, assignee: *See*—
MacGregor, James H.

Couse, Kibbey W., Newark, N. J. Releasing mechanism for power take-offs. 2,458,255, Jan. 4.

Craig, William L., Westport, Conn., assignor to R. T. Vanderbilt Company, Inc., New York, N. Y. Preparation of a pigment complex, including a reacted starch. 2,457,797, Jan. 4.

Crippa, Eugene R., United States Army. Inductance coil. 2,457,806, Jan. 4.

Crompton & Knowles Loom Works, assignee: *See*—
Turner, Richard G.

618 O. G.—21*o*

Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,458,148, Jan. 4.

Cronstedt, Val, Marlboro, assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,458,149, Jan. 4.

Cross, Carroll N., Middleboro, Mass. Mount of cellular material having depressed display area. 2,458,349, Jan. 4.

Crouse, Abram, assignee: *See*—
Thompson, Albion J.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting gas-solid contact operations. 2,458,350, Jan. 4.

Crowley, John A., Jr., Scarsdale, N. Y., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting the regeneration of a moving bed catalyst. 2,458,487, Jan. 4.

Crozier, Harold E. and A. G. H. Vanderpoel, Los Angeles, Calif. Water carburetor. 2,458,266, Jan. 4.

Cuklerski, Leo J., Melrose Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Hard rubber. 2,458,351, Jan. 4.

Curran, Frank J., Hinsdale, Ill. Self-opening collapsible chair. 2,457,978, Jan. 4.

Cutler-Hammer, Inc., assignee: *See*—
Audier, Mark, and Elliot.

Dairy Specialties, Inc., assignee: *See*—
Jones, John P.

D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of a vinyl aryl compound, butadiene and maleic esters. 2,457,872, Jan. 4.

D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Vulcanizable copolymers of acrylonitrile, butadiene and maleic esters. 2,457,873, Jan. 4.

D'Alelio, Gaetano F., Cleveland, Ohio, assignor to Pro-phylac-tic Brush Company, Northampton, Mass. Method of preparing molecularly oriented copolymers of acrylonitrile, butadiene 1,3, and diethyl maleate. 2,458,352, Jan. 4.

Dancy, Lila G., executor, et al.: *See*—
Larkin, John J.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft appliances. 2,457,979, Jan. 4.

Davenport, Gertrude, New York, N. Y. Garment structure. 2,458,062, Jan. 4.

Davidson, John T., and J. H. Kroemer, assignors to The Standard Register Company, Dayton, Ohio. Autographic register. 2,457,807, Jan. 4.

Davie, Robert B.: *See*—
Lark, Gordon T. K., and Davie.

Davis, Archibald H., Jr., Cleveland, Ohio, assignor to American Machine and Metals, Inc., East Moline, Ill. Fluid level indicator. 2,457,874, Jan. 4.

Day, Amina R., Los Angeles, Calif. Compartmented hatbox having fixed and removable radial partitions. 2,457,875, Jan. 4.

Decatur Pump Company, assignee: *See*—
Burks, Arthur W.

Decker, Ted S., Chicago, Ill., assignor to Society Brand Clothes, Inc. Men's trousers. 2,458,353, Jan. 4.

Deere & Company, assignee: *See*—
Korum, Henry E.

Deere Manufacturing Co., assignee: *See*—
Tuft, Miles H.

De Forest, Alfred V., Marlboro, N. H., assignor to The Baldwin Locomotive Works. Electric strain device with temperature compensator. 2,458,354, Jan. 4.

De Forest, Lee, Los Angles, Calif. Method of and apparatus for bunching electrons. 2,457,980, Jan. 4.

De Forest, Lee, Los Angeles, Calif. Cathode beam tube. 2,457,981, Jan. 4.

Deichmann, Otto A., San Francisco, Calif. Producing building panels. 2,457,982, Jan. 4.

Dennison, George E.: *See*—
Sitzler, Richard R., and Dennison.

De Olariaga, Sara M. I., assignee et al.: *See*—
Bulgarini, Luis.

D'Errico, John, Brooklyn, N. Y. Roundabout. 2,458,150, Jan. 4.

Derungs, Ernest A., Le Locle, Switzerland. Selecting control device. 2,457,876, Jan. 4.

De Swart, Jan, Los Angeles, Calif., assignor, by mesne assignments, to Shellmar Products Corporation, Mount Vernon, Ohio. Pressure-tight grommet. 2,457,983, Jan. 4.

Detroit Seamless Steel Tubes Company, assignee: *See*—
Sleeman, Earl C.

Dickey, Joseph B., assignor to Eastman Kodak Company, Rochester, N. Y. Copolymers of 2-acylamino-1,3-butadienes and vinyl compounds. 2,458,355, Jan. 4.

Diebold, Incorporated, assignee: *See*—
Bescherer, Palmer.

Dietz, R. E., Company, assignee: *See*—
Knapp, George A.

Dike, Sheldon H., Ventnor, N. J., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal delay switch. 2,458,467, Jan. 4.

Di Petta, Angelo R., Lakewood, Ohio. Humidifier for air-heating furnaces. 2,458,064, Jan. 4.

Dolecam Corporation, assignee: *See*—
Wilson, John J.
Domaniale Mijn-Maatschappy, N. V., assignee: *See*—
Tromp, Klaas F.
Doner, Halbert C., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cooking unit. 2,457,877, Jan. 4.
Donovan, Albert E., Laniel, Quebec, Canada. Safety razor and blade sharpener. 2,458,257, Jan. 4.
Dorfman, Hiller D., Forest Hills, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,458,151, Jan. 4.
Dornbos, Leo J.: *See*—
Salmons, George C., and Dornbos.
Dorr Company, The, assignee: *See*—
Coulter, Harold B.
Dorr Company (Inc.), The, assignee: *See*—
Swenson, Walter R.
Dort, Robert G., Summit, N. J., assignor to Celanese Corporation of America. Fluorescent red cellulose acetate fibers. 2,457,808, Jan. 4.
Dougherty, Daniel J., Snohomish, assignor of forty-nine one-hundredths to O. A. Gregorson, Seattle, Wash. Floor nailing machine. 2,457,984, Jan. 4.
Douglas, H. A., Mfg. Co., assignee: *See*—
Penfold, Charles S.
Dow Chemical Company, The, assignee: *See*—
Chisholm, Douglas S., and Griswold, Jr.
Young, Arthur E.
Drummond, Donald L., Santa Maria, Calif. Envelope having tamper detection means. 2,457,809, Jan. 4.
Dubilier Condenser Company (1925) Limited, assignee: *See*—
Straub, Eugene L., and Bennett.
Dubin, Jack: *See*—
Bennett, Owen G., and Dubin.
Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Solenoid operated switch. 2,457,878, Jan. 4.
Dulberg, Murray, New York, N. Y. Cosmetic receptacle. 2,458,063, Jan. 4.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Nagle, Wesley M.
Sharkey, William H.
Vaala, Gordon T.
Dyson, Beatrice N., administratrix: *See*—
Dyson, Louis M.
Dyson, Louis M.; B. N. Dyson, administratrix of said L. M. Dyson, deceased, assignor to The American Hardware Corporation, New Britain, Conn. Closure fastener. 2,457,985, Jan. 4.
Eakins, Everett A., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Plastic rivet and making same. 2,458,152, Jan. 4.
Earle, Ralph H., Wauwatosa, assignor to Line Material Company, Milwaukee, Wis. Protecting device for transformers. 2,457,879, Jan. 4.
Eastman Kodak Company, assignee: *See*—
Cleveland, Harry W.
Dickey, Joseph B.
Hagemeyer, Hugh J., Jr.
Henn, Richard W.
Hughey, Carter J.
Hutchison, Miller R., Jr.
Isaac, Joseph.
Luboshez, Benjamin E.
Mihalyi, Joseph and Philips.
Nadeau, Gale F., and Starck.
Reynolds, Delbert D., and Kenyon.
Reynolds, Delbert D., and Van Campen.
Salo, Martin.
Smith, Cedric Harold.
Staehle, Henry C.
Stauffer, Robert E., and Smith.
Tuttle, Fordyce.
Utermohlen, William P., Jr.
Ebelshauser, Gustave A.: *See*—
Schott, Abel, and Ebelshauser.
Edson, James O., Great Kills, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Synchronization of time division multiplex communication system. 2,457,986, Jan. 4.
Edwards, Franklin W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Drive means for compressors or the like. 2,457,880, Jan. 4.
Egedi, Joseph, Buffalo, N. Y. Helm wheel. 2,457,987, Jan. 4.
Elliot, William H.: *See*—
Audler, Mark, and Elliot.
Ellis, Grenville B., Red Bank, N. J., assignor to the United States of America as represented by the Secretary of War. Sealing device for dry cells. 2,457,810, Jan. 4.
Emerson, William S., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of p-acetyliphenyl acetate. 2,457,988, Jan. 4.
Emrich, Albert F., Valley Stream, N. Y. Work holding device. 2,457,811, Jan. 4.
Entreprises Electriques Friboungeoises, assignee: *See*—
Challet, Etienne.
Eppink, Donald L.: *See*—
Hemker, Herman W., and Eppink.
Eppe, Thomas Byrd, Boston, Mass. Storage and display box. 2,457,812, Jan. 4.
Ettleson, Ruth, Chicago, Ill. Brassière. 2,457,989, Jan. 4.
Eureka Williams Corporation, assignee: *See*—
Hammell, Kemper M., and Balluff.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for burning contaminants from a moving bed contact mass. 2,458,356, Jan. 4.
Evans, Louis P., Woodbury, N. J., assigned to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conducting reactions in the presence of a contact mass. 2,458,357, Jan. 4.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Regenerating a moving bed of solid catalyst. 2,458,358, Jan. 4.
Evans, Louis P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Process of multiple-zone regeneration of a moving bed catalyst. 2,458,359, Jan. 4.
Excel Auto Radiator Company, assignee: *See*—
Briskin, Theodore S.
Ex-Cell-O Corporation, assignee: *See*—
Monroe, Charles Z.
Stewart, Gilbert.
Farkas, George B., Jackson Heights, and Addison Y. Gunter, Larchmont, assignors to American Locomotive Company, New York, N. Y. Combustion chamber. 2,458,066, Jan. 4.
Farrar, Alvin J., assignor to The American Coach & Body Company, Cleveland, Ohio. Level winding device. 2,458,065, Jan. 4.
Fay, Joseph W., and R. Fay, Villa Park, Ill.; said R. Fay assignor to said J. W. Fay. Closure device. 2,458,360, Jan. 4.
Fay, Rudolph: *See*—
Fay, Joseph W., and Fay.
Federal-Mogul Corporation, assignee: *See*—
Ferguson, Alfred L.
Ferguson, Alfred L., Ann Arbor, assignor to Federal-Mogul Corporation, Detroit, Mich. Productiton of tin fluoborate. 2,457,798, Jan. 4.
Ferguson, Harry, Inc., assignee: *See*—
Bunting, Ernest W.
Fernstrum, Robert W., assignor to Gray Marine Motor Company, Detroit, Mich. Engine temperature control device. 2,457,991, Jan. 4.
Ferris, Donald K., assignor to General Motors Corporation, Dayton, Ohio. Ironing machine control. 2,457,990, Jan. 4.
Ferris Instrument Laboratories, assignee: *See*—
Montcalm, Surrius R.
Festge, Charles, Milwaukee, Wis. Safety device for electric plugs. 2,458,153, Jan. 4.
Field, Henry M., Dayton, Ohio. Abrasive cutting roll. 2,458,362, Jan. 4.
Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Airway traffic control system. 2,458,361, Jan. 4.
Filliung, Jacques J., Jr.: *See*—
Allen, Charles C., and Filliung, Jr.
Finer, Bernard, New York, N. Y. Convertible furniture. 2,458,363, Jan. 4.
Fischer, Howard R., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Dimpling machine. 2,457,992, Jan. 4.
Fisher, Ulrich S., Holyoke, Mass. Fire alarm. 2,457,881, Jan. 4.
Flagge, Howard Avery, Norfolk, Va. Lubricator and mixing device. 2,457,813, Jan. 4.
Fletcher, Lynn, and J. Winks, assignors, to Lowell Specialty Company, Lowell, Mich. Spraying device. 2,457,993, Jan. 4.
Flett, William J.: *See*—
Hafstad, Lawrence R., and Flett.
Flett, William J., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Safety gate for projectiles. 2,458,468, Jan. 4.
Food Machinery Corporation, assignee: *See*—
Johnson, Alfred C.
Formhals, William H.: *See*—
Ludwig, Leon R., and Formhals.
Formhals, William H., and J. H. Penney, Buffalo, N. Y., assignors, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Double-end-ventilated motor. 2,457,994, Jan. 4.
Forssell, Adam E., Chico, Calif. Backup light switch. 2,458,154, Jan. 4.
Forster, Percy: *See*—
Bulgarini, Luis and de Olariaga.
Foster, Edwin E., Austin, Tex. Clutch actuator and adjustor. 2,458,364, Jan. 4.
Frank, Marian, executrix: *See*—
Franke, Kenneth S.
Franke, Kenneth S., Woodside, Long Island, N. Y.; M. Frank, executrix, of said K. S. Franke, deceased. Magic trick. 2,458,488, Jan. 4.
Frankel, Leo, Chicago, Ill., assignor, by mesne assignments, to City National Bank and Trust Company of Chicago, as trustee. Film splicer. 2,458,995, Jan. 4.
Fraser, James B., Fort Lauderdale, Fla. Mold for molding concrete structural units. 2,458,155, Jan. 4.

Fredendall, Gordon L., Feasterville, Pa., assignor to Radio Corporation of America. Automatic frequency control system. 2,458,156, Jan. 4.
Freese, Gerald J.: *See*—
Dorfman, Hiller D., and Freese.
Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydration of olefins. 2,457,882, Jan. 4.
Friedman, Bernard S., Chicago, and Russell F. Stedman, Crete, assignors to Universal Products Company, Chicago, Ill. Separating olefins from paraffins. 2,458,067, Jan. 4.
Fry, Douglas J.: *See*—
Kendall, John D., and Fry.
Fuller, Ira W., Roxbury, Mass. Detachable wire letter with fabric covering. 2,457,883, Jan. 4.
Fuller, Lawrence J., Philadelphia, assignor to Welding Engineers Incorporated, Norristown, Pa. System for the treatment of material. 2,458,068, Jan. 4.
Fulton, Robert E., Jr., Washington, D. C., and Octavio J. Alvares, New York, N. Y., assignors to Continental, Incorporated, Washington, D. C. Roadable airplane. 2,457,884, Jan. 4.
Funkhouser, Mearick, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,458,157, Jan. 4.
Furr, William R., Washington, D. C. Suction-type street sweeper. 2,458,258, Jan. 4.
Fyler, George W., Lombard, Ill., assignor to Motorola, Inc. Television receiver. 2,458,365, Jan. 4.
Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. Saw-tooth voltage generator. 2,458,366, Jan. 4.
Fyler, George W., Lombard, and G. J. Heisig, assignors to Motorola, Inc., Chicago, Ill. Saw-tooth voltage generator. 2,458,367, Jan. 4.
Gagnon, Leo, Sault Ste. Marie, Ontario, Canada. Rail joint. 2,458,369, Jan. 4.
Gatch, James E., Macon, Ga. Trailer hitch. 2,457,885, Jan. 4.
Geddes, John W., Boston, assignor to H. K. Porter, Inc., Everett, Mass. Appliance for use in repairing automobile bodies. 2,458,370, Jan. 4.
General American Transportation, assignee: *See*—
Irwin, Henry.
General Aniline & Film Corporation, assignee: *See*—
Vogt, Curt G., and Wilkinson, Jr.
General Electric Company, assignee: *See*—
Baskerville, Ralph J.
Moriarty, Charles D.
Smith, Sidney R., Jr.
Tower, Dell K., and Beall, III.
General Mills, Inc., assignee: *See*—
Terry, David E., and Wheeler.
General Motors Corporation, assignee: *See*—
Ferris, Donald K.
Funkhouser, Mearick.
Manning, Charles E.
Murphy, John M.
Ratalcsak, Francis I.
Robertson, John M.
Rossman, Edwin F.
General Railway Signal Company, assignee: *See*—
Field, Oscar S., and Wight.
Moore, Edmund W.
George, F. C., Machine Company, assignee: *See*—
George, Frank C.
George, Frank C., assignor, by mesne assignments, to F. C. George Machine Company, Orlando, Fla. Rodding attachment for plastic block machines. 2,457,996, Jan. 4.
George, Melvin F., Jr.: *See*—
Simon, Eli, and George, Jr.
George, Ralph W., Riverhead, N. Y., assignor to Radio Corporation of America. Ultra high frequency power measuring system. 2,457,997, Jan. 4.
Gerber, Walter, Bern-Bumplis, Switzerland. Tremolo device for accordions. 2,457,886, Jan. 4.
Gilbert & Barker Manufacturing Company, assignee: *See*—
Grimmelsen, Herman O.
Logan, Joseph A.
Gilbert, Samuel, Cedar Grove, assignor to Bendix Aviation Corporation, Teterboro, N. J. Transmission mechanism for engine starters and the like. 2,458,070, Jan. 4.
Gilman, Webster E., Maywood, assignor to Permoflux Corporation, Chicago, Ill. Magnetically shielded electrodynamic sound reproducer. 2,458,158, Jan. 4.
Gilmore, Edward E., Stockton, Calif. Lam mounting for looms. 2,458,069, Jan. 4.
Glenfield and Kennedy Limited, assignee: *See*—
Boucher, Percival L.
Goldthwaite, George E., North Easton, Mass., assignor, by mesne assignments, to Westinghouse Electric Corporation. Heat exchanger. 2,458,159, Jan. 4.
Goodrich, B. F., The, Company, assignee: *See*—
Hull, Raymond J., and Hursh.
Hursh, Robert W.
MacDonald, Frank J.
Phillips, Warren E.
Goorley, John T., Hudson, assignor to Ben Venue Laboratories, Inc., Bedford, Ohio. Purification of bacitracin. 2,457,887, Jan. 4.
Gordon, James F., Towson, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Adjustable inductor. 2,458,071, Jan. 4.
Gordon, Marvin J., Sr.: *See*—
Gordon, Samuel.
Gordon, Samuel W., assignor of one-half to M. J. Gordon, Sr., Canal Fulton, Ohio. Tractor coupler. 2,458,259, Jan. 4.
Gordy, Irving, Eatontown, N. J. Sealed potentiometer. 2,457,814, Jan. 4.
Grams, Norman A., assignee: *See*—
Langley, Stanley, and Warring.
Grant, Max L., assignee: *See*—
Wilcox, Granville M.
Grappe, Marcellin L., Fairlawn, N. J. Punch machine. 2,458,160, Jan. 4.
Gray Marine Motor Company, assignee: *See*—
Fernstrum, Robert W.
Gray, Ralph B., Chicago, Ill. Windshield wiper mechanism. 2,458,260, Jan. 4.
Green, Marvin C., Dayton, Ohio. Propeller blade attachment. 2,457,815, Jan. 4.
Green, Walter H., Geneva Township, Kane County, Ill., G. A. McBride, Grosse Pointe, Mich., and G. A. Hertzing, Los Angeles, Calif., assignors to Inflico Incorporated, Chicago, Ill. Process and apparatus for effecting chemical reactions. 2,458,261, Jan. 4.
Greffe, André, La Bathie, assignor to Societe D'Electro-Chimie, D'Electro-Metallurgie et Des Acieries Electriques D'Ugine, Paris, France. Delroning chromium and manganese ores. 2,458,469, Jan. 4.
Gregorson, Oscar A., assignee: *See*—
Dougherty, Daniel J.
Grice, George F., Jamaica, N. Y. Spring clamp for holding electric lamps. 2,458,871, Jan. 4.
Grime, Edward P., Los Angeles, Calif. Strainer for pump-jacks. 2,457,888, Jan. 4.
Grimes, Harlan E., Bromley, Ludlow Station, Ky., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Relay selector circuit arranged to simultaneously test a selected group of trunks. 2,458,262, Jan. 4.
Grimm, Henry H., Dayton, Ohio. Variable permeability tuner. 2,457,816, Jan. 4.
Grimmelsen, Herman O., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Atomization burner of the high-low type. 2,458,372, Jan. 4.
Griswold, Thomas, Jr.: *See*—
Chisholm, Douglas S., and Griswold, Jr.
Grosvenor, Woodward & Company Limited, assignee: *See*—
Perry, Frederick S., and Huskinson.
Gross, Francis B., Sr., New Orleans, La. System for preventing film fire in motion-picture projectors. 2,458,161, Jan. 4.
Grote Manufacturing Company, The, assignee: *See*—
Ryder, Charles D.
Gruetjen, Frederick A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Wide propeller blade manufacture. 2,457,889, Jan. 4.
Gulf Research & Development Company, assignee: *See*—
Muskat, Morris, and Coggeshall.
Rocchini, Albert G.
Gump, William B.: *See*—
Cade, Arthur R., and Gump.
Gunter, Addison Y.: *See*—
Farkas, George B., and Gunter.
Gustafsson, Eric: *See*—
Striegel, Harold L., Gustafsson, and Baur.
Hafstad, Lawrence R., and W. J. Flett, Washington, D. C., assignors to the United States of America as represented by the Secretary of the Navy. Centrifugal unshorting device. 2,458,470, Jan. 4.
Hagemeyer, Hugh J., Jr., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing nitriles of dicarboxylic acids. 2,458,373, Jan. 4.
Hagerbaumer, William A., Westfield, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of liquid hydrocarbons with a moving catalyst. 2,458,162, Jan. 4.
Hall Laboratories, Inc., assignee: *See*—
Munter, Casimir J.
Hall, William M., Stockton, Calif. Window pulley gauge. 2,458,072, Jan. 4.
Hallander, Arthur L., University City, assignor of one-half to C. L. Martin, St. Louis, Mo. Leash for animals. 2,458,489, Jan. 4.
Hammell, Kemper M., and E. J. Balluff, assignors to Eureka Williams Corporation, Detroit, Mich. Embedded heating element and making the same. 2,458,471, Jan. 4.
Hampton, Joe E., assignee: *See*—
Purvis, Thomas A.
Harlin Brothers, assignee: *See*—
Harlin, J. D.
Harlin, J. D., assignor to Harlin Brothers, Indianapolis, Ind. String musical instrument with chord tuning mechanism. 2,458,263, Jan. 4.
Harrell, Garland L., Hurst, Ill. Bomb. 2,457,817, Jan. 4.
Hart-Carter Company, assignee: *See*—
Bosma, Alfred S.
Hart, Richard H., New Orleans, La. Parachute. 2,458,264, Jan. 4.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Vermeulen, Roslof, and Six.

Hartley, Walter, Radcliffe, England. Rayon and like spinning machines. 2,458,374, Jan. 4.

Hartough, Howard D.: *See*—
Kosak, Alvin I., and Hartough.

Haubert, Leo, Tulsa, Okla. Gear rack load binder. 2,458,375, Jan. 4.

Hayes, Edward J. and F. Winter, Chicago, Ill. Coin-holding device. 2,457,998, Jan. 4.

Hays, Clyde C., Waco, Tex. Sewage treating process. 2,458,163, Jan. 4.

Hays Corporation, The, assignee: *See*—
Bailey, George B., and Ziegler.

Head, Sol, New York, N. Y. Bow tie and making same. 2,458,265, Jan. 4.

Hedrick, Gale H., assignor to Maremont Automotive Products, Inc., Chicago, Ill. Muffler. 2,457,890, Jan. 4.

Heider, Rudolph L., and C. J. Stehman, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Making ethylene oxide. 2,458,266, Jan. 4.

Helman, Sidney J., St. Louis, Mo. Downward forced flow air heater for rooms. 2,457,818, Jan. 4.

Heisig, Garth J.: *See*—
Tyler, George W.

Hemker, Herman W., Euclid, and D. L. Eppink, assignors to The Parker Appliance Company, Cleveland, Ohio. Coating magnesium and magnesium alloys. 2,458,073, Jan. 4.

Henn, Richard W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic developer antioxidants. 2,458,376, Jan. 4.

Henninger, Andrew F., and G. D., and R. W. Reitherman, Chicago, Ill.; said Reitherman assignor of one-sixth of the whole to said A. F. Henninger and one-sixth of the whole to said G. D. Henninger. Electron discharge device. 2,457,891, Jan. 4.

Henninger, George D., assignee: *See*—
Henninger, Andrew F., Henninger, and Reitherman.

Henninga, William E., Springfield, Mass. Light fuel injector. 2,458,377, Jan. 4.

Henry, James W., Gooding, Idaho. Rotating cylinder type of bean cleaning machines. 2,458,267, Jan. 4.

Herbolsheimer, Glenn, Bartlesville, Okla., assignor to Phillips Petroleum Company. Separating metallic sodium from high molecular weight polymers made by polymerisation of vinyl compounds. 2,458,378, Jan. 4.

Hertzing, George A.: *See*—
Green, Walter H., McBride, and Hertzing.

Hervert, George L.: *See*—
Bloch, Herman S., and Hervert.

Heywood-Wakefield Company, assignee: *See*—
Bell, Alfred B.

Hibbard, Frank H., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Pulse testing equipment. 2,457,892, Jan. 4.

Higgs, Morton C.: *See*—
Burns, Frank B., Larrison, and Higgs.

Highway Trailer Company, assignee: *See*—
Stephen, James.

Hill, Donald C., Los Angeles, and W. A. McGlashen, Huntington Park, Calif. Gravitometer. 2,458,164, Jan. 4.

Hill, Harry, assignor of one-half to The British Power Boat Company, Limited, Hampshire, England. Building unit joint construction. 2,458,074, Jan. 4.

Himel, Chester M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparation of thiolesters. 2,458,075, Jan. 4.

Hinds, John M., assignor to Northeast Electric & Engineering, Seattle, Wash. Forced circulation electrically heated space heater. 2,458,268, Jan. 4.

Hlinsky, Emil J., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool lubricating system. 2,457,893, Jan. 4.

Hobourn, Percival L., Leamington Spa, and W. H. Joy, Coventry, England. Braiding machine. 2,458,379, Jan. 4.

Hoeppner, Conrad H., Washington, D. C. Signal generation system. 2,457,819, Jan. 4.

Hoffmann-La Roche Inc., assignee: *See*—
Schlapfer, Reinhard.
Solmssen, Ulrich V., and Lee.
Spiegelberg, Hans.
Warnat, Kurt.

Hohwart, George, Detroit, and J. Simmons, Washington, assignors to N. A. Woodworth Company, Detroit, Mich. Grinding fixture. 2,457,895, Jan. 4.

Hoke, Harry A.: *See*—
Steins, Carleton K., and Hoke.

Holm, Herbert K., Chicago, Ill., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,165, Jan. 4.

Homeyer, Henry N., Jr., Elmhurst, Ill., assignor to The Kendall Company, Boston, Mass. Composite pressure-sensitive adhesive sheet material. 2,458,166, Jan. 4.

Hooper, Harry, New York, N. Y., assignor to Air Reduction Company, Incorporated. Carbide feed mechanism for batteries of acetylene generators. 2,457,894, Jan. 4.

Hoover Company, The, assignee: *See*—
Snyder, Eugene L.

Hornberg, Charles V.: *See*—
Simpson, Thomas P., and Hornberg.

Horsley, Caperton B., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Electrical discharge device having cavity resonators. 2,458,167, Jan. 4.

Horvath, John F., assignor to Appliance Corporation of America, Milwaukee, Wis. Closure for laundry machine tubs. 2,458,380, Jan. 4.

Houston, Charles O., Washington County, Pa. Ladder extension. 2,458,076, Jan. 4.

Howe, Eugene E., Linden, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Amino acid solution and preparing the same. 2,457,820, Jan. 4.

Huebner, William C., New York, N. Y. Reproducing camera. 2,458,269, Jan. 4.

Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Staple setting die. 2,457,896, Jan. 4.

Hughey, Carter J., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic print straightener. 2,458,381, Jan. 4.

Hulbert, Edward A., assignor, to Continental Aviation and Engineering Corporation, Detroit, Mich. Lubrication means for dual propeller shaft assemblies. 2,457,999, Jan. 4.

Hull, Raymond J. and R. W. Hursh, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Tire and attachable vane therefor. 2,457,897, Jan. 4.

Humason, Granville A., Houston, Tex. Gas controller for well pumps. 2,458,270, Jan. 4.

Hummel, Frederick E., Chicago, Ill. Auxiliary handle. 2,457,898, Jan. 4.

Hursh, Robert W.: *See*—
Hull, Raymond J. and Hursh.

Hursh, Robert W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vaned tire. 2,457,899, Jan. 4.

Husek, Helen P., Allston, assignor to Polaroid Corporation, Cambridge, Mass. Production of light-polarising images. 2,458,168, Jan. 4.

Huskinson, Joseph A.: *See*—
Perry, Frederick S. and Huskinson.

Huston, William M., Lima, Ohio. Rotating base for load handling machines. 2,458,271, Jan. 4.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Shock testing. 2,458,382, Jan. 4.

Hydraulic Engineering Co. Inc., assignee: *See*—
Carleton, Emile J.

Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Grain drill feed mechanism. 2,457,900, Jan. 4.

Ilford Limited, assignee: *See*—
Kendall, John D. and Fry.

Indo-Burma Petroleum Company Limited, assignee: *See*—
Brown, Norman F.

Inflico Incorporated, assignee: *See*—
Green, Walter H., McBride, and Hertzing.

Ingersoll-Rand Company, assignee: *See*—
Anderson, James H.
Metzgar, Chester W.
Morrison, William A.

Ingram, Sydney B., Fairlawn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Feedback amplifier or oscillator. 2,458,000, Jan. 4.

International Business Machines Corporation, assignee: *See*—
Buhler, Eugen and Berry.
Nichols, Harry J.
Rast, Frederick O.

International Rare Metals Refinery, Inc., assignee: *See*—
Blau, Marietta.

Iowa State College Research Foundation, assignee: *See*—
Johns, Iral B.

Irmscher, Hans O., East Hempstead, Long Island, N. Y., assignor to National Urn Bag Co. Inc. Infusion package with nontangling string handle. 2,458,169, Jan. 4.

Irwin, Henry, assignor to General American Transportation Corporation, Chicago, Ill. Jaw grinding mechanism for car wheel boring mills. 2,458,272, Jan. 4.

Isaac, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Exposure-indicating spool. 2,458,383, Jan. 4.

Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Continuous fat splitting. 2,458,170, Jan. 4.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

Jackson, James G., Port Alberni, British Columbia, assignor of one-half to J. N. Trumpour, New Westminster, Canada. Reel signal unit. 2,457,901, Jan. 4.

Jacobsen, Richard S., Los Angeles, Calif. Conveyer. 2,458,077, Jan. 4.

Jang, Rosie: *See*—
Jansen, Eugene F., Jang, and MacDonnell.

Jansen, Eugene F., Berkeley, R. Jang, San Francisco, and L. E. MacDonnell, Oakland, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Isolation of acetylesterase from citrus waste. 2,458,171, Jan. 4.

Jeffree, John H., Cobham, assignor to Combined Optical Industries, Limited, Slough, England. Grinding of lenses or of dies therefor. 2,458,384, Jan. 4.

Jennese, Langdon M., Palos Heights, Ill., assignor to Worth Insulation & Mfg. Co. Inc. Storm window assembly. 2,458,385, Jan. 4.

Johns, Iral B., assignor to Iowa State College Research Foundation, Ames, Iowa. Preparing an elastomer. 2,458,001, Jan. 4.

Johnson, Agnar, Rockford, Ill. Convertible coaster wagon. 2,458,080, Jan. 4.

Johnson, Alfred T., San Jose, Calif., assignor to Food Machinery and Chemical Corporation. Tractor power plant and drive wheel unit. 2,457,821, Jan. 4.

Johnson, Clarence A.: *See*—
Volkmann, Maurice C., and Johnson.

Johnson, Edward H., Coventry, assignor to The Keelavite Company Limited, Allesley, Coventry, England. Compensating valve for fluid pressure systems. 2,458,386, Jan. 4.

Johnson, John F., Ludington, Mich. Power steering and propelling mechanism. 2,458,177, Jan. 4.

Johnson, Philip H. and L. W. Tripp, assignors to Roadless Traction Limited, Hounslow, England. Self-propelled track-laying vehicle. 2,458,078, Jan. 4.

Johnson, Philip H. and L. W. Tripp, assignors to Roadless Traction Limited, Hounslow, Middlesex, England. Rigidifying means for flexible endless tracks. 2,458,079, Jan. 4.

Jones, Claude, assignor of one-sixth to E. E. Varble, Jefferson City, Mo. Animal trap. 2,458,176, Jan. 4.

Jones, David D., Norwalk, Conn., assignor to Western Electric Company, Incorporated, New York, N. Y. Pressure measuring apparatus. 2,457,902, Jan. 4.

Jones, John P., assignor to Dairy Specialties, Inc., Omaha, Nebr. Milk container. 2,457,822, Jan. 4.

Jones, Robert R., Akron, assignor to Ohio Ferro Alloys Corporation, Canton, Ohio. Electrode splicing device. 2,458,272, Jan. 4.

Jordan, Edwin M., Miami, Fla. Pole supporting hinge. 2,458,081, Jan. 4.

Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Detonator. 2,458,473, Jan. 4.

Jordan, James D., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugally operated control device. 2,458,474, Jan. 4.

Joy Manufacturing Company, assignee: *See*—
Ball, Charles F.

Joy, William H.: *See*—
Hobourn, Percival L. and Joy.

Jurin, Joyce L., New York, N. Y. Woman's sanitary undergarment. 2,458,273, Jan. 4.

Kads, Harald D., Glendale, Calif., assignor to Kay-Brunner Steel Products, Inc. Carrying scraper. 2,458,274, Jan. 4.

Kalitinsky, Andrew, Eagleville, and W. A. Ledwith, Hartford, assignors to United Aircraft Corporation, East Hartford, Conn. Assembly of free-piston units. 2,458,172, Jan. 4.

Kamin, Vernon A., Elgin, L. J. Mattingly, and R. R. Wingert, assignors to Motorola, Inc., Chicago, Ill. Television receiver cabinet and cathode-ray tube mounting. 2,458,368, Jan. 4.

Kantor, James, and E. F. Rosenberg, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Beverage premix system. 2,457,903, Jan. 4.

Kardon, Emanuel S., Melrose Park, assignor to American Bag & Paper Corporation, Philadelphia, Pa. Shopping bag handle. 2,458,173, Jan. 4.

Karpen, S., & Bros., assignee: *See*—
McDonald, Sterling B.

Kaskouras, Thomas, Chicago, Ill. Lock. 2,458,002, Jan. 4.

Kay-Brunner Steel Products, Inc., assignee: *See*—
Kads, Harald D.

Kearney & Trecker Corporation, assignee: *See*—
Hlinsky, Emil J.

Keelavite Company, Limited, The, assignee: *See*—
Johnson, Edward H.

Kenck, Richard C., Augusta, Mont. Buck rake winch clutch and brake control. 2,457,904, Jan. 4.

Kendall Company, The, assignee: *See*—
Homeyer, Henry N., Jr.

Kendall, John D., and D. J. Fry, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Production of pyrazolone azo dyes. 2,457,823, Jan. 4.

Kennedy, Dewey M., Rochester, N. Y. Infant bathing device. 2,458,003, Jan. 4.

Kenyon, William O.: *See*—
Reynolds, Delbert D.
Reynolds, Delbert D., and Kenyon.

Kern, Edward O., assignor to Wagner Manufacturing Company, Cedar Falls, Iowa. Elevator control apparatus. 2,458,005, Jan. 4.

Kerr, Roy H., assignor to St. Croix Garment Company, Stillwater, Minn. Outdoor jacket. 2,458,004, Jan. 4.

Kidde Manufacturing Co., Inc., assignee: *See*—
Taft, Irving W.

Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bidirectional blower. 2,458,006, Jan. 4.

Kilpatrick, Myron O., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of diolefins. 2,458,082, Jan. 4.

Kincaid, Vivian N., San Diego, Calif. Bed lamp. 2,458,174, Jan. 4.

Kindseth, Harold V., assignor to Bemis Bro. Bag Company, Minneapolis, Minn. Machine for compacting material in containers. 2,458,387, Jan. 4.

Knapp, George A., Syracuse, assignor to R. E. Dietz Company, New York, N. Y. Securing band or ring. 2,458,007, Jan. 4.

Kobs, Edward A., Minneapolis, Minn. Simulated football game. 2,458,388, Jan. 4.

Kochem, George E., Schenectady, N. Y. Game scoring device with score indicating lights. 2,458,083, Jan. 4.

Kochevar, John H., Bisbee, Ariz. Gun mount with foldable firing control frame. 2,457,824, Jan. 4.

Kolding, Aaron R., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna control system. 2,458,175, Jan. 4.

Koon, Arthur J.: *See*—
McKay, William J. A., and Koon.

Korody, Arthur J., Cardington, Ohio. Fuel tank indicator. 2,457,905, Jan. 4.

Korum, Henry E., East Moline, assignor to Deere & Company, Moline, Ill. Centrifugally controlled planetary gearing. 2,458,389, Jan. 4.

Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene. 2,457,825, Jan. 4.

Kothny, Gottdank L., Strafford, assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa. Well surveying device. 2,457,826, Jan. 4.

Kriebel, Richard T., Belmont, assignor to Polaroid Corporation, Cambridge, Mass. Adjustable cap. 2,458,275, Jan. 4.

Kroemer, John H.: *See*—
Davidson, John T., and Kroemer.

Kruse, Peter, Brooklyn, N. Y., assignor to Lima-Hamilton Corporation, Hamilton, Ohio. Can-body maker. 2,458,008, Jan. 4.

L. & M. Rubber Products, Inc., assignee: *See*—
MacGregor, Laurence B.

Land, Edwin H., assignor to Polaroid Corporation, Cambridge, Mass. Antiglare system for automotive vehicles employing polarised light. 2,458,179, Jan. 4.

Langer, Nicholas, New York, N. Y., assignor to Central Commercial Company, Chicago, Ill. Electrical musical instrument with split keyboard. 2,458,178, Jan. 4.

Langley, Stanley, West Toronto, Ontario, Canada, and A. Warring, assignors of one-third to said Warren, one-third to N. A. Grams, and one-third to W. Noponen, all of Detroit, Mich. Electric conduit connector. 2,458 276, Jan. 4.

Lark, Gordon T. K., R. Gill, and R. B. Davie, assignors to Sturdy Electric Company Limited, Dipton, England. Control of electric discharge lamps. 2,458,277, Jan. 4.

Larkin, John J.; St. Louis Union Trust Company, L. V. Larkin, and L. G. Dancy, executors of said J. J. Larkin, deceased, assignors to Larkin Packer Company, St. Louis, Mo. Cementing equipment. 2,458,278, Jan. 4.

Larkin, Lillian V., executor, et al.: *See*—
Larkin, John J.

Larkin Packer Company, assignee: *See*—
Larkin, John J.

Larkin, Peter G., New York, N. Y. Beer faucet. 2,457,906, Jan. 4.

Larkin, William J., Lynnfield, and D. H. Bacon, deceased, late of Arlington, Mass., by A. E. Bacon, executrix, Arlington, assignors to National Company, Inc., Malden, Mass. Socket for electronic tubes with associated condensers. 2,458,390, Jan. 4.

Larrison, Millard S.: *See*—
Burns, Frank B., Larrison, and Higgs.

Lauritsen, Charles C., and J. McMorris, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket device. 2,458,475, Jan. 4.

Lauritsen, Charles C., Pasadena, and J. McMorris, deceased, late of Pasadena, by H. C. McMorris, administratrix, Pasadena, Calif., assignors to the United States of America as represented by the Secretary of the Navy. Rocket launcher. 2,458,476, Jan. 4.

Lavietes, David P., Sparta, N. C. Screw and driver. 2,458,391, Jan. 4.

Ledwith, Walter A.: *See*—
Kalitinsky, Andrew, and Ledwith.

Ledwith, Walter A., Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Auxiliary pump for free-piston units. 2,458,180, Jan. 4.

Lee, Jess M., Los Angeles, Calif. Heat-treating system. 2,458,084, Jan. 4.

Lee, John: *See*—
Solmssen, Ulrich V., and Lee.

Le Vesconte, Harold J.: *See*—
Christensen, Norman V., Le Vesconte, and Schweda.

Levy, Sabine, Stoken Church, assignor to Caprice Limited, London, England. Corset and wearing apparel of similar character. 2,458,279, Jan. 4.

Lewyt Corporation, assignee: *See*—
Meyerhoefer, Carl F.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Doner, Halbert C.

Lima-Hamilton Corporation: *See*—
Kruse, Peter.

Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Radio direction finder. 2,458,280, Jan. 4.

Line Material Company, assignee: *See*—
Brown, Chester W.
Earle, Ralph H.
Salmons, George C., and Dornbos.
Steinmayer, Alwin G.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James, and Rosenberg.

Little, John B., Summit, and W. A. Munson, Chatham, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Speed reduction mechanism. 2,458,181, Jan. 4.

Lloyd, Edward C., Silver Spring, Md. Marine fuel system. 2,457,828, Jan. 4.

Lockheed Aircraft Corporation, assignee: *See*—
Pimaire, John S.
Simon, Eli and G., Jr.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Air supply control for oil burners. 2,458,392, Jan. 4.

Lory, George, Los Angeles, Calif. Square root radial averager. 2,458,009, Jan. 4.

Loudfoot, David J., Springfield, Mass. Tool for turning threaded container caps. 2,458,393, Jan. 4.

Love, Cecil P., Rock Island, Ill. One-revolution latch-operated clutch. 2,457,827, Jan. 4.

Lowell Specialty Company, assignee: *See*—
Fletcher, Lynn, and Winks.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Film processing unit. 2,458,394, Jan. 4.

Ludwig, Carl L., Los Angeles, Calif. Plunger fed dropper. 2,458,085, Jan. 4.

Ludwig, Leon R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Totally enclosed nonventilated motor. 2,458,010, Jan. 4.

Ludwig, Leon R., and W. H. Formhals, Buffalo, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Deep-neck high-flux motor. 2,458,011, Jan. 4.

Luley, John C., Teaneck, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Swaging apparatus. 2,458,395, Jan. 4.

Lupton, Elmer H., Ilchester, Md., assignor to The Bartgis Bros. Company. Bottle carrier. 2,458,281, Jan. 4.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,458,490, Jan. 4.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,458,491, Jan. 4.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,458,492. Jan. 4.

Lyon Metal Products, Incorporated, assignee: *See*—
O'Conner, John B.

MacDonald, Frank J., Brookline, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Molding apparatus. 2,458,162, Jan. 4.

MacDonnell, Leonard R.: *See*—
Jansen, Eugene F., Jang, and MacDonnell.

MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Dyeing of nylon fibers by treating with nitrogenous condensation products. 2,458,397, Jan. 4.

MacGregor, Laurence B., Long Beach, Calif., assignor to L. & M. Rubber Products, Inc. Transmission gearing. 2,458,396, Jan. 4.

Machlett Laboratories Incorporated, assignee: *See*—
Horsley, Caperton B.
Skehan, Joseph W.

MacKenzie, William C., New York, N. Y. Coupling for water hose and the like. 2,458,477, Jan. 4.

MacMillan, Charles W., Alexandria, Va. Engine combustion regulating device. 2,458,086, Jan. 4.

MacNeil, Charles I., Glen Ridge, assignor to Bendix Aviation Corporation, Teterboro, N. J. Engine speed control. 2,458,398, Jan. 4.

Madsen, Carl J., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Apparatus for high frequency dielectric heating of condenser bushings. 2,458,012, Jan. 4.

Maier, August R., Oil City, Pa., assignor to Oil Well Supply Company. Drive shaft assembly. 2,458,087, Jan. 4.

Main, Donald W., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling. 2,458,088, Jan. 4.

Maintenance Company, Inc., The, assignee: *See*—
Myers, Mortimer A.

Maki, George J., assignor to Collins Radio Company, Cedar Rapids, Iowa. High-power permeability core inductance. 2,458,282, Jan. 4.

Malmberg, Tore G., Ludvika, assignor to Allmanna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Selenium rectifier element and manufacturing same. 2,458,013, Jan. 4.

Malmsten, Philip C., assignor to A. O. Smith Corporation, Milwaukee, Wis. Clutch and brake device. 2,457,907, Jan. 4.

Maneval, Richard L., Houston, Tex., assignor to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,458,478, Jan. 4.

Manning, Charles E., Warren, Ohio, assignor to General Motors Corporation, Detroit, Mich. Forming manifolds. 2,458,182. Jan. 4.

Maremont Automotive Products, Inc., assignee: *See*—
Hedrick, Gale H.

Marick, Louis, Grosse Pointe Farms, Mich., assignor to United States Rubber Company, New York, N. Y. Electrically conducting panel. 2,458,184, Jan. 4.

Martin, Charles L.: *See*—
Hallander, Arthur L.

Mashburn, W. O., Jr., assignee: *See*—
Murray, Victor E.

Matson, Leroy A., Forest Lake, Ill., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermocouple safety pilot switch. 2,458,014, Jan. 4.

Mattingly, Lawrence J.: *See*—
Kamin, Vernon A., Mattingly, and Wingert.

Maxson, W. L., Corporation, The, assignee: *See*—
McLaren, Peter J., Vaughan, and Svensson.

McBride, George A.: *See*—
Green, Walter H., McBride, and Hertzing.

McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Impulse generator. 2,458,283, Jan. 4.

McDonald, Gordon S., Itasca, Tex. Eyeglass wiping device. 2,458,015, Jan. 4.

McDonald, Sterling B., Grayslake, assignor to S. Karpen & Bros., Chicago, Ill. Seat. 2,458,185, Jan. 4.

McEwen, Robert L.: *See*—
Radolph, Hans A., and McEwen.

McFarlane, Gordon E., Ville Emard, Quebec, Canada. Solid axle drive mechanism for vehicles. 2,458,089, Jan. 4.

McGlashen, William A.: *See*—
Hill, Donald C., and McGlashen.

McKay, William J. A., and A. J. Koon, Grand Rapids, Mich. Hydraulic chuck. 2,457,909, Jan. 4.

McLaren, Peter J., New York, J. A. Vaughan, Hempstead, and V. A. Svenson, assignors to The W. L. Maxson Corporation, New York, N. Y. Flexible cable. 2,457,910, Jan. 4.

McMorris, Helen C., administratrix: *See*—
Lauritsen, Charles C., and McMorris.

McMorris, John: *See*—
Lauritsen, Charles C.

Merck & Co., Inc., assignee: *See*—
Howe, Eugene E., and Tishler.

Messina, Rosario J., West Roxbury, and O. E. Wolff, assignors to Polaroid Corporation, Cambridge, Mass. Developing camera. 2,458,186, Jan. 4.

Metal Specialties Manufacturing Co., assignee: *See*—
Amstutz, Walter R.

Metzgar, Chester W., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Cooling-water supply apparatus for compressors. 2,458,284, Jan. 4.

Meyer-Balser Fuel Unit, Incorporated: *See*—
Meyer, David.

Meyer, David, Canton, assignor to Meyer-Balser Fuel Unit, Incorporated, Dover, Ohio. Lining combustion tubes and the like. 2,458,285, Jan. 4.

Meyer, Wm., Company, The, assignee: *See*—
Wehmer, Bruno F.

Meyerhoefer, Carl E., assignor to Lewyt Corporation, Brooklyn, N. Y. Coupling. 2,457,908. Jan. 1.

Mihalyi, Joseph, and H. D. Phillips, assignors to Eastman Kodak Company, Rochester, N. Y. Swivel mount. 2,458,390, Jan. 4.

Miller, Charles D., Davenport, Iowa. Power-driven hand hacksaw. 2,457,829. Jan. 4.

Miller, Frederick H., assignor of one-half to S. O. Pearson, Portland, Oreg. Slicer. 2,458,090. Jan. 4.

Miller, Neville F., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Phosphorescent pigment. 2,458,286. Jan. 4.

Milliken, Owen J., Davenport, Wash. Adjustable drive mechanism for tractors. 2,458,400, Jan. 4.

Milwaukee Gas Specialty Company, assignee: *See*—
Matson, Leroy A.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.

Mink, Leon D.: *See*—
Urbain, Walter M., and Mink.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Borell, George L.
Smith, Edgar M.

Modine Manufacturing Company, assignee: *See*—
Spieth, Benjamin.

Monroe, Charles Z., assignor to Ex-Cell-O Corporation, Detroit, Mich. Power transmission for reversible machine elements. 2,458,290, Jan. 4.

Monsanto Chemical Company, assignee: *See*—
Emerson, William S.
Heider, Rudolph L., and Stehman.
Mowry, David T.
Owens, Grafton R.

Montesalm, Surrina R., assignor to Ferris Instrument Laboratories, Boonton, N. J. Variable condenser with trimmer. 2,458,187, Jan. 4.

Moon, John M., Evanston, assignor to Signode Steel Strapping Company, Chicago, Ill. Snubber plate. 2,458,287, Jan. 4.

Moore, Edmund W., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,458,401, Jan. 4.

Moore, John S., Modesto, Calif. Disk harrow hitch locking means. 2,458,091, Jan. 4.

Moran, Joseph, Chicago, Ill. Drafting instrument. 2,458,188, Jan. 4.

Morgan, David B., Philadelphia, Pa., assignor to Warren Webster & Company, Camden, N. J. Expanding tubing by freezing liquid therein. 2,458,189, Jan. 4.

Moriarty, Charles D., Schenectady, N. Y., assignor to General Electric Company. Piezoelectric crystal holder. 2,458,288, Jan. 4.

Morris, Joseph C., Chicago, Ill. Intermittently and pawl driven, single axis, multiple drum calender. 2,458,092, Jan. 4.

Morrison, Montford, Upper Montclair, N. J. Integrating accelerometers. 2,458,016, Jan. 4.

Morrison, William A., Easton, Pa., assignor to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,458,289, Jan. 4.

Motorola, Inc., assignee: *See*—
Fyler, George W.
Fyler, George W., and Heisig.
Kamin, Vernon A., Mattingly, and Wingert.

Mowry, David T., Dayton, Ohio, assignor to Monsanto Chemical Company, 1-phenylethylidenemalononitrile. 2,458,017, Jan. 4.

Moynahan, George F., Jr., Sacramento, Calif. Spot frequency oscillator system. 2,457,830, Jan. 4.

Munson, Wilder A.: *See*—
Little, John B., and Munson.

Munster, Allen C., assignor to Philco Corporation, Philadelphia, Pa. Deviation correction for cathode-ray beams. 2,457,911, Jan. 4.

Munster, Allen C., Philadelphia, and D. E. Sunstein, Cynwyd, assignors to Philco Corporation, Philadelphia, Pa. Deviation correction for cathode-ray beams. 2,458,291, Jan. 4.

Munter, Casimir J., Upper St. Clair Township, Allegheny County, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Retarding the reversion of alkali-metal phosphate glass in aqueous solutions and a composition of matter thereof. 2,458,292, Jan. 4.

Murphy, Frank P., assignee: *See*—
Rohrman, Henry C.

Murphy, John M., assignor to General Motors Corporation, Dayton, Ohio. Refrigeration compressor starting unloader. 2,458,018, Jan. 4.

Murray, Victor E., assignor of three-fifths to W. O. Mashburn, Jr., and one-fifth to R. A. Black, Cincinnati, Ohio. Egg opener with an annular cutting flange and suction cup holder. 2,457,912, Jan. 4.

Muskat, Morris, Oakmont, and N. D. Coggeshall, O'Hara Township, Allegheny County, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Determining the fluid content of well cores. 2,458,092, Jan. 4.

Myers, Mortimer A., Bellaire, assignor to The Maintenance Company, Inc., New York, N. Y. Automatic operator for elevator doors and hall doors. 2,458,402, Jan. 4.

Nadeau, Gale F., and C. B. Starck, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic film employing hydrolyzed cellulose acetate emulsions. 2,458,403, Jan. 4.

Nagle, Wesley M., Woodbury, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sodium hydroxylamine sulfonates. 2,458,404. Jan. 4.

Nathanson, Matthew A., Brookline, Mass. Foundation garment. 2,458,094, Jan. 4.

National Cash Register Company, The, assignee: *See*—
Adams, Clyde S.

National Company, Inc., assignee: *See*—
Larkin, William J., and Bacon.

National Lead Company, assignee: *See*—
Van Mater, Henry L.

National Tank Company, assignee: *See*—
Walker, Jay F.

National Urn Bag Co, Inc., assignee: *See*—
Irmscher, Hans O.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Busacker, John W.
Busacker, John W., and Perry.
Dike, Sheldon H.
Flett, William J.
Hafstad, Lawrence R., and Flett.
Jordan, James D.
Lauritsen, Charles C., and McMorris.
Maneval, Richard L.
Perry, Thomas M.
Sterner, John E.
Tatel, Howard E.

Nemeth, Otto R., Chicago, Ill. Film gate. 2,457,913, Jan. 4.

Nemeth, Otto R., Chicago, Ill. Convertible film gate construction. 2,457,914. Jan. 4.

Nemeth, Otto R., assignor to Otto R. Nemeth, Inc., Chicago, Ill. Film gate. 2,457,915, Jan. 4.

Nemeth, Otto R., Inc., assignee: *See*—
Nemeth, Otto R.

Neumann, William J., East Detroit, Mich. Dust excluding device for carpeted stairs. 2,458,293, Jan. 4.

Newburger, Samuel, Chicago, Ill. Popcorn warming device. 2,458,190, Jan. 4.

New Jersey Zinc Company, The, assignee: *See*—
Miller, Neville F.

Newton, Thabous A., Flomaton, Ala. Ignition apparatus. 2,457,916, Jan. 4.

Nichols, Harry J., New York, N. Y. Fuse. 2,458,405, Jan. 4.

Nichols, Harry J., assignor to International Business Machines Corporation, New York, N. Y. Ciphering and checking device. 2,458,406, Jan. 4.

Nichols, Peter L., Jr., and L. T. Smith, Philadelphia, Pa., assignors to the United States of America as represented by the Secretary of Agriculture. Resinous compositions of starch ethers with other resins. 2,458,191, Jan. 4.

Nicholson, Douglas G., Pittsburgh, Pa. Purification of titanium halides by treatment with metal hydrides and distillation. 2,457,917, Jan. 4.

Niederhauser, Alfred, Basel, Switzerland. Toggle link jack with two lifting phases. 2,458,407, Jan. 4.

Niles, Harold H., Mount Kisco, assignor by mesne assignments, to Edward Spierer, Brooklyn, N. Y. Sterilising toilet seats. 2,458,019, Jan. 4.

Niles, William R., Herington, Kans. Automatic signal device for automobiles. 2,458,192, Jan. 4.

Noponen, William, assignee: *See*—
Langley, Stanley, and Warring.

Nordberg Manufacturing Company, assignee: *See*—
Tacchella, Adolph.

Norman, T. E., assignee: *See*—
Parsons, Oliver F.

Northeast Electric & Engineering, assignee: *See*—
Hinds, John M.

O'Brien, Joseph F., Jersey City, N. J., assignor to John B. Pierce Foundation, New York, N. Y. Electricity conductor unit. 2,457,831, Jan. 4.

O'Connor, John B., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Seat construction for chairs. 2,458,095, Jan. 4.

Ohio Crankshaft Company, assignee: *See*—
Strickland, Harold A., Jr.

Ohio Ferro Alloys Corporation, assignee: *See*—
Jones, Robert R.

Oil Well Supply Company, assignee: *See*—
Maier, August R.

Olsen, Donald E., Chicago, Ill. Combined cosmetic holder and mirror or the like. 2,458,020, Jan. 4.

Owens, Grafton R., Dayton, Ohio, assignor to Monsanto Chemical Company, St. Louis, Mo. Acrolein-phenol resin. 2,458,408, Jan. 4.

Pacific Plush Tank Company, assignee: *See*—
Schlens, Harry E.

Packard Motor Car Company, assignee: *See*—
Vincent, Jesse G.

Packheiser, Joseph A., Chicago, Ill. Xylophone. 2,458,193. Jan. 4.

Paige Electrical Products Corp., assignee: *See*—
Paige, Isaac A.

Paige, Isaac A., assignor to Paige Electrical Products Corp., Chicago, Ill. Outlet box connector. 2,458,409, Jan. 4.

Pako Corporation, assignee: *See*—
Sardeson, Robert, and Savela.

Panosh, Carl M., Berwyn, Ill. Sliding shoe rack. 2,458,194, Jan. 4.

Park, Ross A., Detroit, Mich. Water closet. 2,458,096, Jan. 4.

Parker Appliance Company, The, assignee: *See*—
Hemker, Herman W., and Eppink.

Parker, Lenious G., Oakland, Calif. Oil distributing system. 2,458,294, Jan. 4.

Parsons, Oliver F., assignor to E. A. Spring, Phoenix, Ariz., and T. E. Norman, Denver, Colo. Casting. 2,458,410, Jan. 4.

Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contacting gases with a solid contact material. 2,458,411, Jan. 4.

Payne, John W., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for contacting gases with a solid material. 2,458,412, Jan. 4.

Pearl, Irwin A., assignor, by mesne assignments, to Sulphite Products Corporation, Appleton, Wis. Production of vanillic acid. 2,458,295, Jan. 4.

Pearse, Daniel S., Wild Horse, Colo. Loader attachment for tractors. 2,458,195, Jan. 4.

Pearson, S. O., assignee: *See*—
Miller, Frederick H.

Penfold, Charles S., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electrical connection means. 2,458,097, Jan. 4.

Pennell, Ford, assignor to Jane Booth Pennell, Webster Groves, Mo. Wire connector. 2,458,413, Jan. 4.

Pennell, Jane Booth: *See*—
Pennell, Ford.

Penney, James H.: *See*—
Formhals, William H., and Penney.

Pennsylvania Railroad Company, The, assignee: *See*—
Steina, Carleton K., and Hoke.

Penton, Edgar W., Fairfax County, Va. Navigation signal system. 2,458,414. Jan. 4.

Peralta, Roberto J., Mexico City, Mexico. Fuse plug of regenerable type. 2,458,296, Jan. 4.

Perkin-Elmer Corporation, The, assignee: *See*—
Baker, James G.

Permoflux Corporation, assignee: *See*—
Gilman, Webster E.

Perry, Frederick S., Clifton Gardens, Sydney, New South Wales, Australia, and J. A. Huskinson, assignors of one-third to Woodward Grosvenor & Company Limited, Kid-

derminster, England. Rewinding gear for bobbins and other yarn carriers. 2,458,021, Jan. 4.
Perry, Thomas M.: *See*—
Busacker, John W., and Perry.
Perry, Thomas M., Bennington, Vt., assignor to the United States of America as represented by the Secretary of the Navy. Setback switch. 2,458,479, Jan. 4.
Peterson, Robert E., Danvers, assignor to Submarine Signal Company, Boston, Mass. Apparatus for echo distance measurement. 2,458,415, Jan. 4.
Petty, Wiley, Farmersburg, Ind., assignor to United States Gypsum Company, Chicago, Ill. Cement applicator for building tape. 2,458,297, Jan. 4.
Phelps, James O., Richmond Heights, and G. W. Cottrill, University City, assignors to Airpath Instrument Company, St. Louis, Mo. Altimeter, 2,458,022, Jan. 4.
Philco Corporation, assignee: *See*—
Bauman, John H.
Munster, Allen C.
Munster, Allen C., and Sunstein.
Sunstein, Devid E.
Phillips, Harlow D.: *See*—
Mihalyi, Joseph and Phillips.
Phillips Control Corp., assignee: *See*—
Wasserlein, Henry G.
Phillips Petroleum Company, assignee: *See*—
Alexander, Cruzan.
Frey, Frederick E.
Herbolsheimer, Glenn.
Himel, Chester M.
Kilpatrick, Myron O.
Simons, Joseph H.
Thodos, George.
Whaley, Thomas H.
Wolk, I. Louis.
Phillips, Warren E., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for determining the cutting and chipping resistance of plastic and rubberlike materials. 2,458,196, Jan. 4.
Pierce, Albert R. Jr., South Dartmouth, Mass. Bilge pump. 2,458,197, Jan. 4.
Pierce, John B., Foundation, assignee: *See*—
O'Brien, Joseph F.
Pierce, Melvin A., Waitsburg, Wash. Soap container. 2,457,918, Jan. 4.
Pike, Wilson C., New York, N. Y. Variable stroke pump. 2,458,023, Jan. 4.
Pimentel, Manuel, Mamaroneck, N. Y. Rake attachment for lawn mowers. 2,458,416, Jan. 4.
Pinaire, John S., Montrose, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Expansion joint. 2,458,024, Jan. 4.
Pinckard, Paul M., Kalamazoo, Mich. By-product coke oven. 2,458,480, Jan. 4.
Polaroid Corporation, assignee: *See*—
Husek, Helen P.
Kriebel, Richard T.
Land, Edwin H.
Messina, Rosario J., and Wolff.
Richardson, John H.
Polevoy, Stephen V., New York, N. Y. Fishing reel. 2,458,298, Jan. 4.
Pollifrone, Frank, Mill Valley, Calif. Dry shaver. 2,458,417, Jan. 4.
Poole, David M., Summit, N. J., assignor to United Aircraft Corporation, East Hartford, Conn. Control for spill ports for free-piston units. 2,458,198, Jan. 4.
Poorman, Fred S., Washington, D. C. Aircraft gunnery practice range. 2,457,832, Jan. 4.
Portal, De Witt A., Madison, Wis., assignor to Sport Products, Inc., Cincinnati, Ohio. Boxers' headgear. 2,458,025, Jan. 4.
Porter, H. K., Inc., assignee: *See*—
Geddes, John W.
Potter, Elvin H., Collingswood, N. J., assignor to Radio Corporation of America. Socket assembly for air-cooled tubes. 2,458,026, Jan. 4.
Powers, George S., New Roads, La. Cane harvesting machine. 2,458,299, Jan. 4.
Primeaux, Ely, Alexandria, La. Revolving fan speed control. 2,458,098, Jan. 4.
Pro-phy-lac-tic Brush Company, assignee: *See*—
D'Alelio, Gaetano F.
Purvis, Thomas A., assignor of one-half to Joe Emil Hampton, Tulsa, Okla. Resilient wheel. 2,458,300, Jan. 4.
Quist, Clifford M., Port Orchard, Wash. Fountain brush. 2,458,027, Jan. 4.
Radio Corporation of America, assignee: *See*—
Bliss, Warren H.
Brown, Barrymore B.
Fredendall, Gordon L.
George, Ralph W.
Lindenblad, Nils E.
Potter, Elvin H.
Rose, Albert
Sanders, Royden C., Jr., and Blitz.
Smith, Charles P.
Sontheimer, Carl G.
Volkmann, John E.
Ramsey, James Eaton, Houston, Tex. Circular refrigerator with pivoted rotatable shelves. 2,458,919, Jan. 4.
Rast, Frederick Q., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Continuous and intermittent recording instrument. 2,458,418, Jan. 4.
Rataiczak, Francis L., assignor to General Motors Corporation, Dayton, Ohio. Operating mechanism for machine guns. 2,458,028, Jan. 4.
Rawson, Emanuel, Chicago, Ill., assignor to The Superheater Company, New York, N. Y. Open foot superheater support. 2,458,029, Jan. 4.
Rea, Wilton T., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective signaling apparatus and system. 2,458,030, Jan. 4.
Redding, Arnold H., Swarthmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Cartridge starter for combustion gas turbines. 2,457,833, Jan. 4.
Reese, Wyllis L.: *See*—
Bently, Emmett C., and Reese.
Reinhold, Albert C., Marietta, Pa. Telephone transmitter support and silencer. 2,458,199, Jan. 4.
Reinmann, Moses A., Jerusalem, Palestine. Wind wheel. 2,458,419, Jan. 4.
Reitherman, Ralph W.: *See*—
Henninger, Andrew F., Henninger, and Reitherman.
Renfroe, Charles C.: *See*—
Renfroe, Lester C., and C. C.
Renfroe, Lester C., and C. C., Jacksonville, Fla. Electric lawn mower and hedge clipper. 2,458,200, Jan. 4.
Rex, John L., Rochester, N. Y. Apparatus for photographing titles on motion-picture films. 2,458,301, Jan. 4.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylic ester-amides and polymers thereof. 2,458,420, Jan. 4.
Reynolds, Delbert D., and W. O. Kenyon, assignors to Eastman Kodak Company, Rochester, N. Y. Unsaturated derivatives of ethylene diamine and polymers thereof. 2,458,421, Jan. 4.
Reynolds, Delbert D., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. Acrylic diester–propionamides and polymers thereof. 2,458,422, Jan. 4.
Reynolds, Delbert D., and J. H. Van Campen, assignors to Eastman Kodak Company, Rochester, N. Y. N-allyl derivatives of acrylic esteramides and polymers thereof. 2,458,423, Jan. 4.
Reynolds Metals Company, assignee: *See*—
Biddle, Arthur.
Wemyss, Robert B.
Reynoldson, Roland G., Madison, Wis. Automatic speed control for internal-combustion engines. 2,458,424, Jan. 4.
Rice, William A., Jerseyville, Ill. Feeding mechanism for seed separators. 2,458,201, Jan. 4.
Rich, George H.: *See*—
Trilling, David M., and Rich.
Richardson Company, The, assignee: *See*—
Cukierski, Leo J.
Richardson, John H., Needham, assignor to Polaroid Corporation, Cambridge, Mass. Method and chuck for assembling mold walls. 2,458,302, Jan. 4.
Richetson, Howard E., United States Army. Control device for vacuum cylinders. 2,457,834, Jan. 4.
Rider, John F., New York, N. Y. Unitary volume-control switch and dialite assembly. 2,457,920, Jan. 4.
Riederich, William, Elmhurst, Ill. Automatic cap pistol. 2,457,921, Jan. 4.
Riener, Thomas W.: *See*—
Bruson, Herman A., and Riener.
Roadless Traction Limited, assignee: *See*—
Johnson, Philip H., and Tripp.
Robertson, John M., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Apparatus for forming composite bearings. 2,458,202, Jan. 4.
Robertson, Robert R., Chicago, Ill. Center joint form. 2,458,303, Jan. 4.
Robinson, Herman V., Thorsby, Ala. Net. 2,457,922, Jan. 4.
Rocchini, Albert G., Springdale, assignor to Gulf Research & Development Company, Pittsburgh, Pa. Oil compositions. 2,458,425, Jan. 4.
Röhm & Haas Company, assignee: *See*—
Bruson, Herman A., and Riener.
Rohrman, Henry C., assignor of one-half to F. P. Murphy, Philadelphia, Pa. Fused plug connector. 2,458,203, Jan. 4.
Rome, Joseph, Barre, Vt. Sand spreading and loading device. 2,458,031, Jan. 4.
Romyns, Charles J., Lynbrook, N. Y. Movable multiple magazine unit for typesetting machines. 2,458,204, Jan. 4.
Roop, Harold D., Los Angeles, Calif. Ionization chamber. 2,458,099, Jan. 4.
Rose, Albert, Princeton, N. J., assignor to Radio Corporation of America. Television pickup tube. 2,458,205, Jan. 4.
Rosenberg, Edward F.: *See*—
Kantor, James, and Rosenberg.
Rosiello, Frank, Bronx, N. Y. Combined comb and hair curler. 2,458,426, Jan. 4.
Rossman, Edwin F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Shock absorber. 2,458,206, Jan. 4.

Rotors, Herbert C., Kew Gardens, assignor, by mesne assignments, to Casner Patents, Inc., New York, N. Y. Hysteresis motor control system and operation. 2,458,100, Jan. 4.
Rothfus, Truman C., Des Moines, Iowa. Leak detector. 2,458,101, Jan. 4.
Rudolph, Hans A., Buffalo, and R. L. McEwen, Williamsville, assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y. Manufacturing acetyl peroxide. 2,458,207, Jan. 4.
Ruge, Arthur C., Cambridge, Mass., assignor to The Baldwin Locomotive Works. Load weighing device. 2,458,481, Jan. 4.
Ruger, John, Freeport, N. Y. Scribing instrument. 2,458,208, Jan. 4.
Runde, Kenneth R., Lemay, Mo. Self-tightening rope clamp. 2,458,304, Jan. 4.
Russell, Edward E. and M. L. Woodmont, Conn. Manufacturing record dies. 2,458,427, Jan. 4.
Russell Manufacturing Company, The, assignee: *See*—
Russell, Thomas M., Jr.
Russell, Monica I.: *See*—
Russell, Edward E., and Russell.
Russell, Thomas M., Jr., assignor to The Russell Manufacturing Company, Middletown, Conn. Warp beam letoff for looms. 2,457,923, Jan. 4.
Ryder, Charles D., Covington, assignor to The Grote Manufacturing Company, Bellevue, Ky. Traffic signaling device support. 2,458,482, Jan. 4.
St. Croix Garment Company, assignee: *See*—
Kerr, Roy H.
St. Louis Union Trust Company, executors, et al.: *See*—
Larkin, John J.
Salfisberg, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,457,924, Jan. 4.
Salmons, George C., and J. Dorrbon, Stroudsburg, Pa., assignors to Line Material Company, Milwaukee, Wis. Aerial cable cutout. 2,457,925, Jan. 4.
Salo, Max, assignor to Eastman Kodak Company, Rochester, N. Y. Coating compositions for moisture-proofing by hot melt coating. 2,458,428, Jan. 4.
Sanders, Richard D., Phoenixville, Pa. Tubular article comprising rubber-like material. 2,458,305, Jan. 4.
Sanders, Royden C., Jr., Chestnut Hill, Mass., and D. Blitz, Princeton, N. J., assignors to Radio Corporation of America. Radio bomb release system. 2,458,429, Jan. 4.
Sardeson, Robert, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film loading device. 2,457,926, Jan. 4.
Savela, Edward H.: *See*—
Sardeson, Robert, and Savela.
Sawatski, Felix C., assignor to Sporting Specialties Company, Coloma, Mich. Coupling. 2,458,209, Jan. 4.
Schiff, Sigmund, Cincinnati, Ohio. Gun bolt. 2,457,835, Jan. 4.
Schläpfer, Reinhard, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Medicinal solutions. 2,458,430, Jan. 4.
Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Snubbed truck. 2,458,210, Jan. 4.
Schlens, Harry E., Glencoe, assignor to Pacific Flush Tank Company, Chicago, Ill. Apparatus for and method of digesting garbage. 2,458,431, Jan. 4.
Schneider, Joseph, New York, N. Y. Game. 2,458,306, Jan. 4.
Schofield, Hazen A., San Francisco, Calif. Joint. 2,457,836, Jan. 4.
Schott, Abel, and G. A. Ebelshauser, Astoria, Long Island, N. Y. Silencing muffler. 2,458,102, Jan. 4.
Schwartz, Emanuel, New York, N. Y. Electric boiler. 2,458,103, Jan. 4.
Schweda, Albert M.: *See*—
Christensen, Norman V., Le Vesconte, and Schweda.
Schweizer, Ernest, East Orange, N. J., assignor to Celanese Corporation of America. Fluorescent materials. 2,458,104, Jan. 4.
Scinta, Anthony C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve. 2,458,211, Jan. 4.
Scovill Manufacturing Company, assignee: *See*—
Huelster, Otto J.
Wolff, Edward L.
Scudder, Charles M., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Closure for pressure vessels. 2,457,927, Jan. 4.
Sell, Vernon D., Kansas City, Mo. Golf practice device. 2,458,105, Jan. 4.
Sharkey, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiol ester modification of synthetic rubbers. 2,458,432, Jan. 4.
Shaw, John, Chicago, Ill. Combination seal, drip tube, and dispensing unit. 2,458,106, Jan. 4.
Shayne, Max, assignee: *See*—
Winkler, James S.
Shell Development Company, assignee: *See*—
Souders, Mott, Jr.
Shellmar Products Corporation, assignee: *See*—
De Swart, Jan.
Siemens Brothers & Co. Limited, assignee: *See*—
Bryan, Ernest A.
Signode Steel Strapping Company, assignee: *See*—
Moon, John M.
Silva, Zelia M., assignor to Tichenor & Ferguson, Los Angeles, Calif. Brassière construction. 2,457,928, Jan. 4.
Simmons, John: *See*—
Hohwart, George.
Simon, Ell, Los Angeles, and M. F. George, Jr., Hollywood, assignors to Lockheed Aircraft Corporation, Burbank, Calif. Cementing methyl methacrylate plastics. 2,458,032, Jan. 4.
Simons, Joseph H., State College, Pa., assignor to Phillips Petroleum Company. Preparation of carbon. 2,458,107, Jan. 4.
Simpson, John M., Brooklyn, N. Y. Graining apparatus. 2,458,108, Jan. 4.
Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Conversion of hydrocarbons. 2,458,109, Jan. 4.
Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Contact material regeneration. 2,458,433, Jan. 4.
Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for regenerating moving bed particle form contact mass materials. 2,458,434, Jan. 4.
Simpson, Thomas P., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for regenerating a moving bed contact material. 2,458,435, Jan. 4.
Simpson, Thomas P., Woodbury, and C. V. Hornberg, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Multistage regeneration of a moving bed catalyst. 2,457,837, Jan. 4.
Sitsler, Richard R., and G. E. Dennison, Cumberland, Md., assignors to Celanese Corporation of America. Fluorescent cellulose acetate filaments. 2,457,838, Jan. 4.
Six, William: *See*—
Vermeulen, Roelof, and Six.
Skehan, Joseph W., Stamford, assignor to Machlett Laboratories Incorporated, Springdale, Conn. Filament assembly structure. 2,458,218, Jan. 4.
Skinner, Leslie A., U. S. Army, Washington, D. C., assignor to the United States of America, as represented by the Secretary of War. Rocket. 2,457,834, Jan. 4.
Skog, Henry A., Olympia, Wash., assignor to Special Equipment Company, Portland, Oreg. Discharging peeled fruit from grooved cups of half-fruit peeling machines. 2,457,840, Jan. 4.
Sleeman, Earl C., assignor to Detroit Seamless Steel Tubes Company, Detroit, Mich. Apparatus for producing seamless tubes. 2,458,110, Jan. 4.
Slockbower, James E., Ramsey, N. J. Safety attachment for shotguns. 2,457,929, Jan. 4.
Smith, A. O.: *See*—
Gruetjen, Frederick A.
Smith, A. O., Corporation, assignee: *See*—
Malmsten, Philip C.
Scudder, Charles M.
Smith, Alva, administratrix: *See*—
Smith, Leathem D.
Smith, Alva F., assignee, administratrix: *See*—
Smith, Leathem D., and Stearn.
Smith, Cedric H., Wealdstone, England, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic gamma control. 2,458,437, Jan. 4.
Smith, Charles P., Lancaster, Pa., assignor to Radio Corporation of America. Control grid for gas tubes. 2,458,213, Jan. 4.
Smith, Edgar M., Trenton, N. J., assignor to The Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Split-phase induction motor. 2,458,436, Jan. 4.
Smith, Herbert A., Pasadena, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Fluid pressure operated device for inserting cushion pads. 2,457,930, Jan. 4.
Smith, Leathem D., R. A. Stearn, and C. R. Christianson, Sturgeon Bay, Wis.; said Stearn and said Christianson assignors to said Smith; A. Smith, administratrix of said L. D. Smith, deceased. Freight container. 2,457,841, Jan. 4.
Smith, Leathem D., deceased, late of Sturgeon Bay; by A. F. Smith, administratrix, and R. A. Stearn, Sturgeon Bay, Wis.; said Stearn assignor to A. F. Smith, as administratrix of the estate of said L. D. Smith. Freight container. 2,457,842, Jan. 4.
Smith, Lee T.: *See*—
Nichols, Peter L., Jr., and Smith.
Smith, Prevost F., San Diego, Calif. Parachute deploying means. 2,458,212, Jan. 4.
Smith, Sidney R., Jr., Pittsfield, Mass., assignor to General Electric Company. Electric circuit interrupter. 2,458,307, Jan. 4.
Smith, William F.: *See*—
Stauffer, Robert E., and Smith.
Smoot, Roy W., Springfield, Ohio. Colostomy receptor. 2,458,308, Jan. 4.
Snelling, Henry B. W., Concord, Mass. Overshoe with lining for shining shoes. 2,458,438, Jan. 4.
Snow, Zelmer E., Arvada, Colo. Clamp. 2,457,931, Jan. 4.
Snyder, Eugene L., Canton, assignor to the Hoover Company, North Canton, Ohio. Suction cleaner. 2,458,309, Jan. 4.
Societe D'Electro-Chimie, D'Electro-Metallurgie et Des Acieries Electriques D'Ugine, assignee: *See*—
Greffe, Andre.

Society Entreprises Metropolitaines & Coloniales, S. A., assignee: *See*—
Blondelle, Abel L. C.

Society Brand Clothes, Inc., assignee: *See*—
Decker, Ted S.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Crowley, John A., Jr.
Evans, Louis P.
Haberbaumer, William A.
Holm, Herbert K.
Kosak, Alvin I., and Hartough.
Payne, John W.
Simpson, Thomas P.

Solmssen, Ulrich V., and J. Lee, Essex Fells, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Salts of tocopheryl phosphoric acid esters. 2,457,932, Jan. 4.

Soltesz, Rudolph, Wheeling, W. Va. Multiple piston for internal-combustion engines. 2,458,111, Jan. 4.

Sontheimer, Carl G., Stamford, Conn., assignor to Radio Corporation of America. Direction finder. 2,458,310, Jan. 4.

Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Hydrogenation of nitro compounds. 2,458,214, Jan. 4.

Sparks, Tomme B., Denver, Colo. Tomato corer. 2,458,215, Jan. 4.

Special Equipment Company, assignee: *See*—
Skog, Henry A.

Sperry-Sun Well Surveying Company, assignee: *See*—
Kothny, Gottdank L.

Spiegelberg, Hans, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Electrolytic reduction of pentonic acid lactones. 2,457,933, Jan. 4.

Spterer, Edward, assignee: *See*—
Niles, Harold H.

Spieth, Benjamin, assignor to Modine Manufacturing Company, Racine, Wis. Air deflector. 2,457,934, Jan. 4.

Spindt, Alvin E., Hammond, Ind. Adjusting and holding means for rotary disk tools and the like. 2,458,216, Jan. 4.

Sport Products, Inc., assignee: *See*—
Portal, De Witt A.

Sporting Specialties Company, assignee: *See*—
Sawatzki, Felix C.

Spring, E. A., assignee: *See*—
Parsons, Oliver F.

Staats, Henry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Self-unlocking lockup relay. 2,458,311, Jan. 4.

Stackhouse, George A., Oakland, Calif., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Collapsible child's carriage. 2,457,935, Jan. 4.

Staehle, Henry C., assignor to Eastman Kodak Company, Rochester, N. Y. Making photographic images on plastic. 2,458,439, Jan. 4.

Stafford, John W., Hohokus, N. J., assignor to The Turl Iron and Car Company, Inc., New York, N. Y. Crystallizer. 2,458,440, Jan. 4.

Stagers, Francis H., Wichita, Kans. Drum sander. 2,458,217, Jan. 4.

Stalker, Edward A., Bay City, Mich. Jet-powered lifting rotor for rotary wing aircraft. 2,457,936, Jan. 4.

Standard Oil Company, assignee: *See*—
Baillie, James C.
Bolt, John A.
Swenson, Reuben A., and Weitkamp.
Voorhees, Vanderveer.

Standard Register Company, The, assignee: *See*—
Davidson, John T., and Kroemer.

Starck, Clemens B.: *See*—
Nadeau, Gale F., and Starck.

Starkey, William C., Indianapolis, Ind. Bidirectional no-back power transmission. 2,458,441, Jan. 4.

Stauffer, Robert E., and W. F. Smith, assignors to Eastman Kodak Company, Rochester, N. Y. Fog inhibitor for photographic emulsions. 2,458,442, Jan. 4.

Staus, John G., El Paso, Tex. Wheel lever. 2,458,219, Jan. 4.

Stearn, Richard A.: *See*—
Smith, Leathem D., and Stearn.
Smith, Leathem D., Stearn, and Christianson.

Stedman, Russell F.: *See*—
Friedman, Bernard S., and Stedman.

Stehman, Carlyle J.: *See*—
Helder, Rudolph L., and Stehman.

Steinmayer, Alwin G., assignor to Line Material Company, Milwaukee, Wis. Three-phase transformer construction. 2,458,112, Jan. 4.

Steins, Carleton K., Merion, and H. A. Hoke, Altoona, assignors to The Pennsylvania Railroad Company, Philadelphia, Pa. Fluid motor with emergency supply reservoir. 2,457,937, Jan. 4.

Stemland, Odgard C., Minneapolis, Minn. Razor blade sharpener. 2,458,443, Jan. 4.

Stephen, James, assignor to Highway Trailer Company, Edgerton, Wis. Support for trailer vehicles. 2,458,312, Jan. 4.

Sterner John E., Erie, Pa., assignor to the United States of America as represented by the Secretary of the Navy. Microphonics tester. 2,458,033, Jan. 4.

Stevens, Daniel S., Chicago, Ill. Agitating device. 2,458,313, Jan. 4.

Stevens, Frederick A., Providence, R. I. Ophthalmic mounting with concealed lens-carrying and nose-guard-carrying arms. 2,457,938, Jan. 4.

Stevens, Glenn W., Salem, Oreg. Freezing and dehydrating tray. 2,458,113, Jan. 4.

Stewart, Gilbert, assignor to Ex-Cell-O Corporation, Detroit, Mich. Dressing mechanism. 2,458,444, Jan. 4.

Stewart-Warner Corporation, assignee: *See*—
Williams, Lynn A., Jr.

Stoddard, Robert J., assignor to American Hoist & Derrick Co., St. Paul, Minn. Crane truck. 2,458,445, Jan. 4.

Storch, Reuben H., Minneapolis, Minn. Layout protractor. 2,458,114, Jan. 4.

Straub, Eugene L., Wembley Hill, and A. E. C. Bennett, Kenton, assignors to Dubilier Condenser Company (1925) Limited, London, England. Variable electrical resistor. 2,458,314, Jan. 4.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne asignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Flexible conductor for induction heating. 2,457,843, Jan. 4.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating coil provided with stress-relieving supports. 2,457,844, Jan. 4.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Induction heating apparatus for heat-treating the interior surface of elongated small-diameter tubular workpieces. 2,457,845, Jan. 4.

Strickland, Harold A., Jr., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Slide rail support for inductor furnace workpieces. 2,457,846, Jan. 4.

Strieget, Harold L., E. Gustafson, and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Multiple spray gun. 2,458,220, Jan. 4.

Stroup, Charles L., Oak Park, Ill. High-voltage switch. 2,457,939, Jan. 4.

Stubblebine, Warren, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Tall oil-cellulose ether composition. 2,457,847, Jan. 4.

Stubblebine, Warren, Manheim Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Floor and wall covering. 2,457,848, Jan. 4.

Sturdy Electric Company Limited, assignee: *See*—
Lark, Gordon T. K., and Davie.

Submarine Signal Company, assignee: *See*—
Peterson, Robert E.

Sulphite Products Corporation, assignee: *See*—
Pearl, Irwin A.

Suman, Robert W., Chicago, Ill., assignor, by mesne assignments, to Timken Silent Automatic Division, The Timken-Detroit Axle Company, Detroit, Mich. Stoker. 2,457,849, Jan. 4.

Sunstein, David E.: *See*—
Munster, Allen C., and Sunstein.

Sunstein, David E., Elkins Park, Pa., assignor to Philco Corporation. Method and apparatus for reproduction of angular magnetic recording. 2,458,315, Jan. 4.

Superheater Company, The, assignee: *See*—
Rawson, Emanuel.

Surface Combustion Corporation, assignee: *See*—
Weller, Harvey C.

Suska, Charles R., Dayton, Ohio, assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Self-locking lever control. 2,458,446, Jan. 4.

Svendsen, Edward C., and W. J. Clayton, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Reducing odor and surface tack of neoprene objects. 2,458,221, Jan. 4.

Svensson, Victor A.: *See*—
McLaren, Peter F., Vaughan, and Svensson.

Swenson, Joseph W., Summit, N. J. Gutter leader unit. 2,457,940, Jan. 4.

Swenson, Reuben A., and A. W. Weitkamp, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Mineral castor oil. 2,458,034, Jan. 4.

Swenson, Walter R., Flushing, assignor to The Dorr Company (Inc.), New York, N. Y. Control of ion exchange systems. 2,458,115, Jan. 4.

Swertlow, Theodore, Bronx, N. Y. Taxi hailing flag. 2,458,316, Jan. 4.

Swift & Company, assignee: *See*—
Urbain, Walter M., and Mink.

Szabó, Henrik, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Thermocontact. 2,457,941, Jan. 4.

Tacchella, Adolph, Altadena, Calif., assignor, by mesne assignments, to Nordberg Manufacturing Company, Milwaukee, Wis. Engine cylinder. 2,458,447, Jan. 4.

Taft, Irving W., Weehawken Township, Hudson County, N. J., assignor to Kidde Manufacturing Co., Inc. Device for use in connection with defrosting refrigerators. 2,457,851 Jan. 4.

Talalay, Naum, Bedford, England. Manufacture of artificial aqueous dispersions of natural and synthetic rubbers, rubber substitutes, and rubberlike substances. 2,458,222, Jan. 4.

Tafel, Howard E., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Centrifugal safety delay switch. 2,458,483, Jan. 4.

Taylor, Reginald, and G. T. Baker, Liverpool, England, assignors to Automatic Electric Laboratories Inc., Chicago, Ill. Toll metering by discriminating selector repeaters. 2,457,946, Jan. 4.

Telefonaktiebolaget L. M. Ericsson, assignee: *See*—
Szabó, Henrik.

Teleregister Corporation, The, assignee: *See*—
Bush, George L.

Terry, David E., and D. H. Wheeler, Minneapolis, Minn., assignors to General Mills, Inc. Preparing epoxy derivatives from unsaturated aliphatic compounds. 2,458,484, Jan. 4.

Thodos, George, Bartlesville, Okla., assignor to Phillips Petroleum Company. Pelleting carbon black. 2,457,963, Jan. 4.

Thomas, Albert G., Lynchburg, Va. High-frequency oscillation tube. 2,457,947, Jan. 4.

Thomas, Albert G., Lynchburg, Va. Electron discharge device. 2,457,948, Jan. 4.

Thomas, Albert G., Lynchburg, Va. Combination beam shift-grid control. 2,457,949, Jan. 4.

Thomas, Albert G., Lynchburg, Va. Electronic device. 2,457,950, Jan. 4.

Thomas, Albert G., Lynchburg, Va. Electronic tube. 2,458,223, Jan. 4.

Thompson, Albion J., Washburn, assignor of 50% to Abram Crouse, Crouseville, Maine. Machine for pneumatically separating potatoes from rocks. 2,458,224, Jan. 4.

Tichenor & Ferguson, assignee: *See*—
Silva, Zaita M.

Tiefenthal, Joseph, Forest Hills, N. Y. Reed structure. 2,457,852, Jan. 4.

Timken Silent Automatic Division, The Timken-Detroit Axle Company, assignee: *See*—
Suman, Robert W.

Tishler, Max: *See*—
Howe, Eugene E., and Tishler.

Titus, Bert C., Dubois, Pa. Garment case for containing a coat hanger, shoe box, and supports for small personal articles. 2,458,116, Jan. 4.

Tolbert, William P., assignor to Anthes Force Oiler Company, Fort Madison, Iowa. Rearview mirror support. 2,458,117, Jan.

Tower, Dell K., Millbrook, N. Y., and B. S. Beall, Upper Darby, Pa., assignors to General Electric Company. Arc extinguishing means for electric circuit breakers. 2,458,317, Jan. 4.

Trico Products Corporation, assignee: *See*—
Scinta, Anthony C.

Trilling, David M., Merion, and G. H. Rich, assignors to Trilling and Montague, Philadelphia, Pa. Electric heating unit. 2,458,225, Jan. 4.

Trilling and Montague, assignee: *See*—
Trilling, David M., and Rich.

Tripp, Leonard W.: *See*—
Johnson, Philip H.
Johnson, Philip H., and Tripp.

Troma, Klaas F., assignor of three-fourths to Domeinale Mijn-Maatschappij N. V., Kerkrade, Netherlands. Gravity liquid separator. 2,458,035, Jan. 4.

Troupe, Donald F.: *See*—
Young, Cyril C.

Troy, Ellen, New York, N. Y. Ornamentation. 2,458,493, Jan. 4.

Trumpour, James N., assignee: *See*—
Jackson, James G.

Tuft, Miles H., Lancaster, Calif., assignor by mesne assignments, to Deere Manufacturing Co. Rotary feed cutter with shear bar arranged on a chord. 2,457,951, Jan. 4.

Tuft, Miles H., Huntington Park, Calif., assignor to Deere Manufacturing Co. Wire dispensing container. 2,458,318, Jan. 4.

Turl Iron and Car Company, Inc., The, assignee: *See*—
Stafford, John W.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread control for looms. 2,457,952, Jan. 4.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for weft replenishing looms. 2,457,953, Jan. 4.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,457,954, Jan. 4.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control for bobbins in magazines. 2,457,955, Jan. 4.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread cutter for pneumatic thread receivers for looms. 2,457,956, Jan. 4.

Tursky, Charles M., Long Island City, N. Y. Adjustable strainer. 2,458,118, Jan. 4.

Tuttle, Fordyce, assignor to Eastman Kodak Company, Rochester, N. Y. Gun training by tracer fire spotting. 2,458,448, Jan. 4.

Uhing, Cyril L., Hartington, Nebr. Soldering iron. 2,458,319, Jan. 4.

Ulrich, Emery G., Toledo, Ohio. Truck anchor. 2,458,226, Jan. 4.

Union Special Machine Company, assignee: *See*—
Christensen, Norman V., Le Vesconte, and Schweda.

United Aircraft Corporation, assignee: *See*—
Cooper, Kenneth C.
Cronstedt, Val.
Kalitinsky, Andrew, and Ledwith.
Ledwith, Walter A.
Poole, David M.

United States Gypsum Company, assignee: *See*—
Burns, Frank B., Larrison and Higgs.
Petty, Wiley.

U. S. Industrial Chemicals, Inc., assignee: *See*—
Wachs, Herman.

United States Rubber Company, assignee: *See*—
Eakins, Everett A.
Merick, Louis.
Svendsen, Edward C., and Clayton.

Universal Oil Products Company, assignee: *See*—
Bloch, Herman S., and Hervert.
Friedman, Bernard S., and Gunter.

Unschuld, Henry M., Chicago, Ill. Flow tube. 2,458,320, Jan. 4.

Unschuld, Henry M., Chicago, Ill. Flow tube. 2,458,321, Jan. 4.

Upjohn Company, The, assignee: *See*—
Cookson, Leonard T.

Urbain, Walter M., Berwyn, and Leon D. Mink, assignors to Swift & Company, Chicago, Ill. Egg improving process. 2,458,449, Jan. 4.

Utermohlen, Jr., William P., Charlottesville, Va., assignor to Eastman Kodak Company, Rochester, N. Y. Decolorization of esters of acrylic and α-alkyl acrylic acids. 2,458,450, Jan. 4.

Utility Appliance Corp., assignee: *See*—
Wessel, John H.

Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Forming nonthermoplastic synthetic resin films. 2,458,451, Jan. 4.

Van Brunt, John Deere, Company, assignee: *See*—
Hyland, William A.

Van Campen, John H. *See*—
Reynolds, Delbert D., and Van Campen.

Van Dam, Gerrit, Buffalo, N. Y. Electrically heated wearing apparel. 2,458,119, Jan. 4.

Vanderbilt, R. T., Company, Inc., assignee: *See*—
Craig, William L.

Vanderpool, Albert G. H.: *See*—
Crozier, Harold E.

Van Mater, Henry L., Highland Park, N. J., assignor, by mesne assignments, to National Lead Company, New York, N. Y. Treatment of textiles and composition therefor. 2,457,853, Jan. 4.

Vanni, Pierre G., Neuchatel, Switzerland. Driving device for revolving members. 2,458,452, Jan. 4.

Van Sickle, Franklin R., Beech Grove, Ind. Time set control. 2,458,322, Jan. 4.

Van Zandt, Rollin P., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Gear construction and arrangement. 2,457,942, Jan. 4.

Varble, Eri E., assignee: *See*—
Jones, Claude.

Vaughan, John A.: *See*—
McLaren, Peter J., Vaughan, and Svensson.

Veitch, Thomas and T., Jr., Kew Gardens, N. Y., assignors to T. Veitch and T. Veitch, Jr., copartners doing business under the firm name of Thomas Veitch Laboratory, Deal, N. J. Power transmission and speed reducing apparatus. 2,458,036, Jan. 4.

Veitch, Thomas, Jr.: *See*—
Veitch, Thomas.

Veitch, Thomas, Laboratory, assignee: *See*—
Veitch, Thomas, and Veitch, Jr.

Vendo Company, The, assignee: *See*—
Young, Cyril Charles, and Troupe.

Vermeulen, Roelof, and W. Six, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for artificially generating speech sounds by electrical means. 2,458,227, Jan. 4.

Vestal, Edwin C., Jr., Siler City, N. C. Controllable output circuit. 2,457,854, Jan. 4.

Vincent, Edward T., Ann Arbor and C. F. Bachle, assignors to Continental Aviation & Engineering Corporation, Detroit, Mich. Fluid energy machine. 2,458,037, Jan. 4.

Vincent, Jesse G., Grosse Pointe, assignor to Packard Motor Car Company, Detroit, Mich. Rocker arm construction. 2,457,943, Jan. 4.

Vlastos, Andreas G., New York, N. Y. Ventilated shoe. 2,457,944, Jan. 4.

Vogt, Curt G., Union, N. J., and J. M. Wilkinson, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing 4-substituted-ar-tetrahydro-2-naphthols. 2,458,485, Jan. 4.

Volker, John, Brooklyn, N. Y. Electrical warning light system for motor vehicles and a switch for use in such a system. 2,458,323, Jan. 4.

Volkmann, John E., Indianapolis, Ind., assignor to Radio Corporation of America. Acoustical apparatus. 2,458,038, Jan. 4.

Volkmann, Maurice C., and C. A. Johnson, Elkhart, Ind.; said Johnson assignor to said Volkmann. Ventilator. 2,458,324, Jan. 4.

Volpini, Vincent, Springfield, Mass., Corn buttering device. 2,458,120, Jan. 4.

Von Soden, Adolph F., Los Angeles, Calif. Self-locking nut means and the like. 2,457,945, Jan. 4.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Silica sol. 2,457,971, Jan. 4..

Vredenburg, Edric W., Berkeley, Calif. Weighing device with bag filling and bag vibrating means. 2,458,228, Jan. 4.

Vredenburg, Edric W., Berkeley, Calif. Variable-speed drive. 2,458,229, Jan. 4.

Wachs, Herman, Brooklyn, assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., New York, N. Y. Insecticidal composition of pyrethrins and 3,4-oxymethylene-phenyl-1-butylglycol synergist. 2,457,957, Jan. 4.

Wagner Manufacturing Company, assignee: *See*—
Kern, Edward O.

Wait, Bertrand H., New Rochelle, N. Y. Aggregate for improving Portland cement concretes. 2,458,039, Jan. 4.

Waldron, Claude F., Unadilla, assignor to Bendix Aviation Corporation, New York, N. Y. Radio shielded ignition means. 2,458,121, Jan. 4.

Walker, Earl C., Altadena, Calif. Filter. 2,457,958, Jan. 4.

Walker, Esper L., Decatur, Tex. Ice cleat unit for engagement on shoes. 2,458,122, Jan. 4.

Walker, Jay P., assignor to National Tank Company, Tulsa, Okla. Filtering tank for water disposal systems. 2,457,959, Jan. 4.

Walker, William E., Houston, Tex. Drill bit. 2,457,960, Jan. 4.

War, the United States of America as represented by the Secretary of, assignee: *See*—
Ellis, Grenville B.
Skinner, Leslie A.

Warcup, Frederick J., Nyack, N. Y. Cleaning means for beer dispensers. 2,458,230, Jan. 4.

Warnat, Kurt, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Producing thiamin derivatives. 2,458,453, Jan. 4.

Warren, Henry E., Ashland, Mass. Prime mover dynamo plant with speed governor. 2,458,325, Jan. 4.

Warring, Alfred: *See*—
Langley, Stanley, and Warring.

Wasserlein, Henry G., Joliet, assignor to Phillips Control Corp., Chicago, Ill. Solenoid actuated valve. 2,458,123, Jan. 4.

Webster, Warren, & Company, assignee: *See*—
Morgan, David E.

Weeks, Wesley D., Phillips, Tex. Cooling system for car wheel axles. 2,458,231, Jan. 4.

Wehmer, Bruno F., Melrose Park, assignor to The Wm. Meyer Company, Chicago, Ill. X-ray unit. 2,457,961, Jan. 4.

Weitkamp, Alfred W.: *See*—
Swenson, Reuben A., and Weitkamp.

Welding Engineers Incorporated, assignee: *See*—
Fuller, Lawrence J.

Weller, Harvey C., assignor to Surface Combustion Corporation, Toledo, Ohio. Lehr. 2,458,040, Jan. 4.

Wells, Albert L., Atlanta, Ga. Soldering flux. 2,458,232, Jan. 4.

Wemyss, Robert B., Louisville, Ky., assignor to Reynolds Metals Company, Richmond, Va. Metal suitcase. 2,458,233, Jan. 4.

Wessel, John H., assignor to Utility Appliance Corp., Los Angeles, Calif. Rotor. 2,458,041, Jan. 4.

Western Electric Company, Incorporated, assignee: *See*—
Bureau, Arthur A.
Jones, David D.
Luley, John C.

Westinghouse Electric Corporation, assignee: *See*—
Abbott, Ward D.
Dorfman, Hiller D., and Freese.
Formhals, William H., and Penney.
Goldthwaite, George R.
Kolgore, Lee A.
Ludwig, Leon R.
Ludwig, Leon R., and Formhals.
Madsen, Carl J.
Redding, Arnold H.

Weston, Herbert, New York, N. Y., vested in the Attorney General of the United States. Accounting and filing device. 2,457,855, Jan. 4.

Whaley, Thomas H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Agglomeration of powdered material. 2,457,962, Jan. 4.

Wheeler, Donald H.: *See*—
Terry, David E., and Wheeler.

Wico Electric Company, assignee: *See*—
Brownlee, Allen L.

Wight, Sedgwick N.: *See*—
Field, Oscar S., and Wight.

Wilcox, Granville M., Lincoln, and M. L. Grant, Providence, R. I.; said Wilcox assignor to said Grant. Coin collector selective apparatus. 2,458,234, Jan. 4.

Wilkinson, Joseph M., Jr.: *See*—
Vogt, Curt G., and Wilkinson, Jr.

Williams, Joe I., Sterling City, Tex. Umbrella holder. 2,458,235, Jan. 4.

Williams, Lynn A., Jr., Northfield, assignor to Stewart-Warner Corporation, Chicago, Ill. Fuel feeding system for liquid fuel burners having means for disposing of fuel vapors. 2,458,042, Jan. 4.

Wilmotte, Raymond M., Washington, D. C. Synchronous frequency broadcasting. 2,458,124, Jan. 4.

Wilson, John J., Watertown, assignor to Doelcam Corporation, West Newton, Mass. Apparatus for removing residual thread from bobbins. 2,458,326, Jan. 4.

Wilson, Walter, Yonkers, N. Y., assignor to Burnham Corporation. Greenhouse construction. 2,458,455, Jan. 4.

Wingert, Raymond R.: *See*—
Kamin, Vernon A., Mattingly and Wingert.

Winkler, James S., assignor to M. Shayne, Los Angeles, Calif. Auto glare shield. 2,458,125, Jan. 4.

Winks, John: *See*—
Fletcher, Lynn, and Winks.

Winter, Frank: *See*—
Hayes, Edward J.

Winther, Anthony, Kenosha, Wis., assignor to M. P. Winther, trustee, Waukegan, Ill. Electronic control apparatus. 2,458,454, Jan. 4.

Winther, Martin P., trustee: *See*—
Winther, Anthony.

Wolff, Edward L., assignor to Scovill Manufacturing Company, Waterbury, Conn. Continuous pouring furnace. 2,458,236, Jan. 4.

Wolff, Otto E.: *See*—
Messina, Rosario J., and Wolff.

Wolk, I. Louis, Bartlesville, Okla., assignor to Phillips Petroleum Company. Emulsion polymerisation. 2,458,456, Jan. 4.

Wood, Robert O., Upper Montclair, N. J. Production of molded articles. 2,458,327, Jan. 4.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George.

Worth Insulation & Mfg. Co. Inc., assignee: *See*—
Jenness, Langdon M.

Wright, Charles A., Milwaukee, Wis. Dust collar. 2,458,457, Jan. 4.

Wright, Charles V., Jr., Tamaqua, Pa. Tobacco smoke pipe. 2,458,460, Jan. 4.

Wright, Frank M., Calif., assignor to Breese Corporation, Inc., Newark, N. J. Cushioning means for engine starters. 2,458,458, Jan. 4.

Wright, William F., Lisbon, Ohio. Transmission mechanism. 2,458,459, Jan. 4.

Wyche, John McCord, Hugo, Okla. Panelling construction. 2,457,964, Jan. 4.

Young, Arthur E., assignor to The Dow Chemical Company, Midland, Mich. Fusible and readily removable protective coating for metal articles, comprising ethyl cellulose and mineral oil. 2,458,486, Jan. 4.

Young, Cyril C. and D. F. Troupe, assignors to The Vendo Company, Kansas City, Mo. Combination door lock and valve for steam cookers. 2,458,461, Jan. 4.

Young, L. A., Spring & Wire Corporation, assignee: *See*—
Stackhouse, George A.

Young, William G., Chicago, Ill., assignor to Chicago Fire Brick Company. Replaceable furnace arch nose construction. 2,457,965, Jan. 4.

Zaidan, Joseph P., Philadelphia, Pa. Dispensing cigarette case. 2,457,966, Jan. 4.

Zeehuisen, Jacob J., Scheveningen, Netherlands; vested in the Attorney General of the United States. Chemical retting process of producing bast fibers. 2,457,856, Jan. 4.

Zenner, Walter J., Des Plaines, Ill. Sound reproduction system. 2,458,043, Jan. 4.

Ziegler, Otto: *See*—
Bailey, George B. and Ziegler.

Zimmerman, Harry, New York, N. Y. Xylophone. 2,458,462, Jan. 4.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clothes washer. N. H. Henderson. Re. 23,070. Jan. 4.

Electrolytic polishing of stainless steel. A. L. Feild. Re. 23,068, Jan. 4.

Electrolytic polishing of stainless steel. A. L. Feild. Re. 23,069, Jan. 4.

Loom, hand. M. K. Durrin. Re. 23,071, Jan. 4.

Shaping device, shirt collar. M. M. Newman. Re. 23,072, Jan. 4.

LIST OF PLANT INVENTIONS

Ligustrum plant. F. Tresca. 818, Jan. 4.

LIST OF DESIGN INVENTIONS

Advertising display, Illuminable outdoor. H. A. Thuernau. 152,304, Jan. 4.

Attachment for a power lawn mower or the like, Trailer. R. N. Leonard. 152,278, Jan. 4.

Badge or the like. J. E. Smith. 152,297, Jan. 4.

Boot, Over-the-shoe. W. T. Williams. 152,309, Jan. 4.

Booth. C. N. Manville. 152,277, Jan. 4.

Bottle. F. Smith. 152,296, Jan. 4.

Bottle, Perfume. M. R. Bocher. 152,239, Jan. 4.

Bracelet or the like. K. C. Augenstein. 152,235–6, Jan. 4.

Brewing device, Beverage. P. Muller-Munk. 152,284, Jan. 4.

Broiler, Electric. H. Sado. 152,292, Jan. 4.

Brooch or similar article. L. Kramer. 152,271, Jan. 4.

Bulletin board, Outdoor advertising. H. A. Thuernau. 152,305, Jan. 4.

Cabinet, Amusement machine. E. J. Collins. 152,241, Jan. 4.

Cabinet, Television receiver. A. L. Jenks. 152,266, Jan. 4.

Cap, Railroader's. A. O. Hatleli. 152,265, Jan. 4.

Cart for service stations and the like, Service. A. P. Fox. 152,249, Jan. 4.

Casing, Unit heater. J. Teague. 152,302, Jan. 4.

Chain for a bracelet or similar article, Link. H. Reinstein. 152,289, Jan. 4.

Clip, Chain tie. H. C. Valsey. 152,307, Jan. 4.

Coat. J. Freedman. 152,251, Jan. 4.

Coat. J. F. Strassner. 152,298, Jan. 4.

Coat. J. F. Strassner. 152,300, Jan. 4.

Connector, Electric. H. B. Gould. 152,258, Jan. 4.

Crane, Bridge. F. M. Gustafson and J. M. Little. 152,259–63, Jan. 4.

Display device for attachment to parking meters, Advertising. H. R. Siegel and M. Paull. 152,294, Jan. 4.

Film developing unit or similar article, Photographic. D. F. Winnek. 152,310–11, Jan. 4.

Fish lure. N. W. Dahm and A. F. Keller. 152,242, Jan. 4.

Fish lure. C. J. Gorman. 152,256, Jan. 4.

Fish lure. F. Nemeth. 152,285, Jan. 4.

Fish lure. M. E. Pope. 152,287, Jan. 4.

Fish lure. R. W. Wells. 152,308, Jan. 4.

Fishing lure. G. C. De Bay, Jr. 152,243, Jan. 4.

Flower basket, Hanging. J. Shaw. 152,293, Jan. 4.

Heater, Electric circulating. L. E. Turner. 152,306, Jan. 4.

Holder, Foam scraper. F. Farrell. 152,245, Jan. 4.

Holder for eyeglasses. M. S. Gallo. 152,254, Jan. 4.

Jack-in-the-box display figure. L. V. Barofsky. 152,238, Jan. 4.

Jacket. S. Etkin. 152,244, Jan. 4.

Jacket. J. F. Strassner. 152,299, Jan. 4.

Jacket. J. F. Strassner. 152,301, Jan. 4.

Jewelry finding. M. Chernow. 152,240, Jan. 4.

Jewelry setting or similar article. F. J. Gaertner. 152,252–3, Jan. 4.

Jigger or similar article, Liquor. T. B. McKiernan. 152,279–80, Jan. 4.

Lamp. H. Rubin. 152,291, Jan. 4.

Lamp and magnifier, Combined. J. A. Mehr. 152,282, Jan. 4.

Lamp, Ultraviolet. J. A. Mehr. 152,281, Jan. 4.

Link for a watch bracelet or similar article, Terminal. K. C. Augenstein. 152,237, Jan. 4.

Mounting for a hand telephone, Wall. G. R. Lum. 152,276, Jan. 4.

Overshoe. D. A. Goeller. 152,255, Jan. 4.

Panel for a television receiver or the like, Front. V. A. Kamin. 152,267, Jan. 4.

Pin, Jewelry. D. Kasoff. 152,268–9, Jan. 4.

Plate for lighting fixtures, Glass. K. Franck and V. Wince. 152,250, Jan. 4.

Plate, Hot water. E. S. Zeisel. 152,312, Jan. 4.

Pull toy. H. C. Roberts. 152,290, Jan. 4.

Punch, Paper. W. H. Misson. 152,283, Jan. 4.

Range. M. Hallward. 152,264, Jan. 4.

Receptacle body, Electrical cleat. L. Ludwig. 152,275, Jan. 4.

Receptacle, Pin. D. M. Gould and A. E. Lewis. 152,257, Jan. 4.

Recorder, Facsimile. W. D. Teague. 152,303, Jan. 4.

Screen protector, Television. T. Fortino. 152,248, Jan. 4.

Spinner, Trolling. V. Simun. 152,295, Jan. 4.

Squeezer, Fruit. J. Kasprzak. 152,270, Jan. 4.

Suit, Lady's. J. Lipman. 152,274, Jan. 4.

Telephone desk stand and handset, Combined. E. F. McKenna. 152,278, Jan. 4.

Textile fabric. E. Raphaels. 152,288, Jan. 4.

Tool chest or the like. J. B. Federico. 152,246, Jan. 4.

Tripod head for a camera or similar article. S. J. Flesh. 152,247, Jan. 4.

Vanity case or the like, Illuminable. F. Kueppersbusch. 152,272, Jan. 4.

Water treatment apparatus, Base exchange. G. A. Patterson. 152,286, Jan. 4.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 4TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accelerometers, Integrating. M. Morrison. 2,458,016, Jan. 4.
Accounting and filing device. H. Weston. 2,457,855, Jan. 4.
Acetate fibers, Fluorescent red cellulose. R. G. Dort. 2,457,808, Jan. 4.
Acetate filaments, Fluorescent cellulose. R. R. Sitzler and G. E. Dennison. 2,457,838, Jan. 4.
Acetyl peroxide, Manufacturing. H. A. Rudolph and R. L. McEwen. 2,458,207, Jan. 4.
Acetylesterase from citrus waste, Isolation of. E. F. Jansen, R. Jang, and L. R. MacDonnell. 2,458,171, Jan. 4.
Acoustical apparatus. J. E. Volkmann. 2,458,038, Jan. 4.
Acrolein-phenol resin. G. R. Owens. 2,458,408, Jan. 4.
Acrylic diester-propionamides and polymers thereof. D. D. Reynolds and J. H. Van Campen. 2,458,422, Jan. 4.
Acrylic ester-amides and polymers thereof. D. D. Reynolds and W. O. Kenyon. 2,458,420, Jan. 4.
Acylating thiophene. A. I. Kosak and H. D. Hartough. 2,457,825, Jan. 4.
Adapter for stereopictures, Camera. L. F. Campbell. 2,458,466, Jan. 4.
Adhesive sheet material, Composite pressure-sensitive. H. N. Homeyer, Jr. 2,458,166, Jan. 4.
Adjustable cap. R. T. Kriebel. 2,458,275, Jan. 4.
Adjusting and holding means for rotary disk tools and the like. A. E. Spindt. 2,458,216, Jan. 4.
Aggregate for improving Portland cement concretes. B. H. Walt. 2,458,039, Jan. 4.
Agitating device. D. S. Stevens. 2,458,313, Jan. 4.
Air charger. A. W. Burks. 2,457,863, Jan. 4.
Aircraft gunnery practice range. F. S. Poorman. 2,457,832, Jan. 4.
Airplane, Roadable. R. E. Fulton, Jr. and O. J. Alvarez. 2,457,884, Jan. 4.
Alarm, Fire. U. S. Fisher. 2,457,881, Jan. 4.
Aliphatic esters of 2,4,5-trichloro-phenol. A. R. Cade and W. S. Gump. 2,457,805, Jan. 4.
Alkali-metal phosphate glass in aqueous solutions and a composition of matter thereof, Retarding the reversion of. C. J. Munter. 2,458,292, Jan. 4.
Altimeter. J. O. Phelps and G. W. Cottrill. 2,458,022, Jan. 4.
Amino acid solution and preparing the same. E. E. Howe and M. Tishler. 2,457,820, Jan. 4.
Amplifier or oscillator, Feedback. S. B. Ingram. 2,458,000, Jan. 4.
Anchor, Truck. E. G. Ulrich. 2,458,226, Jan. 4.
Animal trap. C. Jones. 2,458,176, Jan. 4.
Antenna control system, Directive. A. R. Kolding. 2,458,175, Jan. 4.
Antiglare system for automotive vehicles employing polarized light. E. H. Land. 2,458,179, Jan. 4.
Apparatus for and method of digesting garbage. H. E. Schlenz. 2,458,431, Jan. 4.
Apparatus for contacting gases with a solid material. J. W. Payne. 2,458,412, Jan. 4.
Apparatus for determining the cutting and chipping resistance of plastic and rubberlike materials. W. E. Phillips. 2,458,196, Jan. 4.
Apparatus for echo distance measurement. R. E. Peterson. 2,458,415, Jan. 4.
Apparatus for forming composite bearings. J. M. Robertson. 2,458,202, Jan. 4.
Apparatus for high frequency dielectric heating of condenser bushings. C. J. Madsen. 2,458,012, Jan. 4.
Apparatus for metals distillation. D. S. Chisholm and T. Griswold, Jr. 2,458,253, Jan. 4.
Apparatus for photographing titles on motion-picture films. J. L. Rex. 2,458,301, Jan. 4.
Apparatus for producing seamless tubes. E. C. Sleeman. 2,458,110, Jan. 4.
Apparatus for raising natural oils and other liquids by gaseous pressure. N. F. Brown. 2,458,053, Jan. 4.
Apparatus for removing residual thread from bobbins. J. J. Wilson. 2,458,326, Jan. 4.
Apparatus for thrashing podded or shell inclosed field crops. J. A. Cass. 2,458,345, Jan. 4.
Apparatus for vacuum sealing canned food. W. J. Chambers. 2,457,867, Jan. 4.
Appliance for use in repairing automobile bodies. J. W. Geddes. 2,458,370, Jan. 4.
Applicator for building tape, Cement. W. Petty. 2,458,297, Jan. 4.
Arc extinguishing means for electric circuit breakers. D. K. Tower and B. S. Beall. 2,458,317, Jan. 4.
Artificial aqueous dispersions of natural and synthetic rubbers, rubber substitutes, and rubberlike substances, Manufacture of. N. Talalay. 2,458,222, Jan. 4.

Assembly for air-cooled tubes, Socket. E. H. Potter. 2,458,026, Jan. 4.
Assembly for electron discharge devices, Electrode. B. B. Brown. 2,458,142, Jan. 4.
Assembly of free-piston units. A. Kalitinsky and W. A. Ledwith. 2,458,172, Jan. 4.
Assembly structure, Filament. J. W. Skehan. 2,458,218, Jan. 4.
Attachment for lawn mowers, Rake. M. Pimentel. 2,458,416, Jan. 4.
Attachment for plastic block machines, Rodding. F. C. George. 2,457,906, Jan. 4.
Attachment for shotguns, Safety. J. E. Slockbower. 2,457,929, Jan. 4.
Attachment for tractors, Loader. D. S. Pearse. 2,458,195, Jan. 4.
Auxiliary handle. F. E. Hummel. 2,457,898, Jan. 4.
Bacitracin, Purification of. J. T. Goorley. 2,457,887, Jan. 4.
Backup light switch. A. E. Forssell. 2,458,154, Jan. 4.
Band or ring, Securing. G. A. Knapp. 2,458,007, Jan. 4.
Base for load handling machines, Rotating. W. M. Huston. 2,458,271, Jan. 4.
Bathing device, Infant. D. M. Kennedy. 2,458,003, Jan. 4.
Bean cleaning machines, Rotating cylinder type of. J. W. Henry. 2,458,267, Jan. 4.
Bed lamp. V. N. Kincaid. 2,458,174, Jan. 4.
Belt, Power transmission. W. R. Burtle. 2,458,057, Jan. 4.
Belt, Spring clip fabric ammunition. G. T. Bixby. 2,457,803, Jan. 4.
Bilge pump. A. R. Pierce, Jr. 2,458,197, Jan. 4.
Binder, Gear rack load. L. Haubert. 2,458,375, Jan. 4.
Bit: *See*—
Drill bit.
Blade attachment, Propeller. M. C. Green. 2,457,815, Jan. 4.
Blade manufacture, Wide propeller. F. A. Gruetjen. 2,457,889, Jan. 4.
Blood suture and method, Synthetic. J. O. Bower. 2,457,804, Jan. 4.
Blower, Bidirectional. L. A. Kilgore. 2,458,006, Jan. 4.
Blower unit and assembly. E. N. Angus. 2,458,045, Jan. 4.
Boiler: *See*—
Electric boiler.
Bolt, Gun. S. Schiff. 2,457,835, Jan. 4.
Bomb. G. L. Harrell. 2,457,817, Jan. 4.
Bomb release system, Radio. R. C. Sanders, Jr. and D. Blitz. 2,458,429, Jan. 4.
Booster, Control lever. H. G. Carbuhn. 2,458,342, Jan. 4.
Bottle carrier. W. A. Behrens. 2,458,133, Jan. 4.
Bottle carrier. R. H. Lupton. 2,458,281, Jan. 4.
Box: *See*—
Storage and display box.
Braiding machine. P. L. Hobourn and W. H. Joy. 2,458,379, Jan. 4.
Brassière. R. Ettleson. 2,457,989, Jan. 4.
Brassière construction. Z. M. Silva. 2,457,928, Jan. 4.
Broadcasting, Synchronous frequency. R. M. Wilmotte. 2,458,124, Jan. 4.
Brush, Fountain. C. M. Quist. 2,458,027, Jan. 4.
Building panels, Producing. O. A. Deichmann. 2,457,982, Jan. 4.
Bunching electrons, Method of and apparatus for. L. de Forest. 2,457,980, Jan. 4.
Burner of the high-low type, Atomizing oil. H. O. Grimmelsen. 2,458,372, Jan. 4.
Burning contaminants from a moving bed contact mass, Method and apparatus for. L. F. Evans. 2,458,356, Jan. 4.
Buttering device, Corn. V. Volpini. 2,458,120, Jan. 4.
Cable: *See*—
Flexible cable.
Cable cutout, Aerial. G. C. Salmons and L. J. Dornbos. 2,457,925, Jan. 4.
Camera, Developing. R. J. Messina and O. E. Wolff. 2,458,186, Jan. 4.
Camera, Reproducing. W. C. Huebner. 2,458,269, Jan. 4.
Can-body maker. P. Kruse. 2,458,008, Jan. 4.
Cap: *See*—
Adjustable cap. Self-sealing vent cap.
Car pit form. C. C. Buebke. 2,458,055, Jan. 4.
Carbon, The preparation of. J. H. Simons. 2,458,107, Jan. 4.
Carburetor, Water. H. E. Crosier and A. G. H. Vanderpoel. 2,458,256, Jan. 4.
Carriage, Collapsible child's. G. A. Stackhouse. 2,457,935, Jan. 4.

Carrier: *See*—
Bottle carrier.
Carrier and cord cutting device, Package. J. Alexander. 2,457,858, Jan. 4.
Case: *See*—
Dispensing cigarette case.
Case for containing a coat hanger, shoe box, and supports for small personal articles, Garment. B. C. Titus. 2,458,116, Jan. 4.
Casting. O. F. Parsons. 2,458,410, Jan. 4.
Castor oil Mineral. R. A. Swenson and A. W. Weitkamp. 2,458,034, Jan. 4.
Cathode beam tube. L. de Forest. 2,457,981, Jan. 4.
Cementing equipment. J. J. Larkin. 2,458,278, Jan. 4.
Center joint form. R. R. Robertson. 2,458,303, Jan. 4.
Centrifugal delay switch. S. H. Dike. 2,458,467, Jan. 4.
Centrifugal safety delay switch. H. E. Tatel. 2,458,483, Jan. 4.
Centrifugal switch. J. W. Busacker. 2,458,465, Jan. 4.
Chair: *See*—
Self-opening collapsible chair.
Chamber, Combustion. G. B. Farkas and A. Y. Gunter. 2,458,066, Jan. 4.
Chamber, Ionization. H. D. Roop. 2,458,099, Jan. 4.
Chemical retting process of producing bast fibers. J. J. Zeehuisen. 2,457,856, Jan. 4.
Chromium and manganese ores, Deironing. A. Greffe. 2,458,469, Jan. 4.
Chuck, Hydraulic. W. J. A. McKay and A. J. Koon. 2,457,909, Jan. 4.
Ciphering and checking device. H. J. Nichols. 2,458,406, Jan. 4.
Circuit: *See*—
Controlled output circuit.
Circuit arranged to simultaneously test a selected group of trunks, Relay selector. H. E. Grimes. 2,458,262, Jan. 4.
Circuit breaker. H. D. Dorfman and G. J. Freese. 2,458,151, Jan. 4.
Circuit interrupter, Electric. S. R. Smith, Jr. 2,458,307, Jan. 4.
Clamp: *See*—
Self-tightening rope clamp.
Clamp. Z. E. Snow. 2,457,931, Jan. 4.
Clamp for applying and removing jar covers. E. N. Archer. 2,458,329, Jan. 4.
Clamp for holding electric lamps, Spring. G. F. Grice. 2,458,371, Jan. 4.
Cleaner: *See*—
Suction cleaner.
Cleaning means for beer dispensers. F. J. Warcup. 2,458,230, Jan. 4.
Cleansing water-cooling systems and the like, Method and apparatus for. F. E. Brady, Jr. 2,458,333, Jan. 4.
Closure device. J. W. and R. Fay. 2,458,360, Jan. 4.
Closure fastener. L. M. Dyson. 2,457,985, Jan. 4.
Closure for laundry machine tubs. J. F. Horvath. 2,458,380, Jan. 4.
Closure for pressure vessels. C. M. Scudder. 2,457,927, Jan. 4.
Clutch: *See*—
One-revolution latch-operated clutch.
Clutch actuator and adjustor. E. E. Foster. 2,458,364, Jan. 4.
Clutch and brake control, Buck rake winch. R. C. Kenck. 2,457,904, Jan. 4.
Clutch and brake device. P. C. Malmsten. 2,457,907, Jan. 4.
Clutch with adjustment for torque transmitting capacity, Friction. C. F. Ball. 2,457,801, Jan. 4.
Coating compositions for moisture-proofing by hot melt coating. M. Salo. 2,458,428, Jan. 4.
Coating for metal articles, comprising ethyl cellulose and mineral oil, Fusible and readily removable protective. A. E. Young. 2,458,486, Jan. 4.
Coating magnesium and magnesium alloys. H. W. Hemker and D. L. Eppink. 2,458,073, Jan. 4.
Coil, Inductance. E. R. Crippa. 2,457,806, Jan. 4.
Coil provided with stress-relieving supports, Induction heating. H. A. Strickland, Jr. 2,457,844, Jan. 4.
Coin-holding device. E. J. Hayes and F. Winter. 2,457,998, Jan. 4.
Collar, Dust. C. A. Wright. 2,458,457, Jan. 4.
Comb and hair curler, Combined. F. Rosiello. 2,458,426, Jan. 4.
Combination beam shift-grid control tube. A. G. Thomas. 2,457,949, Jan. 4.
Compositions of starch ethers with other resins, Resinous. P. L. Nichols, Jr., and L. T. Smith. 2,458,191, Jan. 4.
Condensation of alcohols. C. A. Carter. 2,457,866, Jan. 4.
Condenser with trimmer, Variable. S. R. Montcalm. 2,458,187, Jan. 4.
Conducting gas-solid contact operations, Method and apparatus for. J. A. Crowley, Jr. 2,458,350, Jan. 4.
Conducting reactions in the presence of a contact mass, Method and apparatus for. L. P. Evans. 2,458,357, Jan. 4.
Conductor for induction heating, Flexible. H. A. Strickland, Jr. 2,457,843, Jan. 4.
Conductor unit, Electricity. J. F. O'Brien. 2,457,831, Jan. 4.
Connector: *See*—
Electric conduit connector. Outlet box connector.
Fused plug connector. Wire connector.
Connection means, Electrical. C. S. Penfold. 2,458,097, Jan. 4.
Construction for chairs, Seat. J. B. O'Connor. 2,458,095, Jan. 4.
Construction for turbines, Rotor. V. Cronstedt, 2,458,148–9, Jan. 4.
Contact material regeneration. T. P. Simpson. 2,458,423, Jan. 4.
Contacting gases with a solid contact material. J. W. Payne. 2,458,411, Jan. 4.
Container: *See*—
Freight container. Soap container.
Milk container. Wire dispensing container.
Container. G. Brereton. 2,458,246, Jan. 4.
Continuous pouring furnace. E. L. Wolff. 2,458,236, Jan. 4.
Control apparatus, Electronic. A. Winther. 2,458,454, Jan. 4.
Control apparatus, Elevator. E. O. Kern. 2,458,005, Jan. 4.
Control device, Centrifugally operated. J. D. Jordan. 2,458,474, Jan. 4.
Control device for vacuum cylinders. H. E. Ricketson. 2,457,834, Jan. 4.
Control device, Selecting. E. A. Derunga. 2,457,876, Jan. 4.
Control for free-piston units. K. C. Cooper. 2,458,147, Jan. 4.
Control for internal-combustion engines, Automatic speed. R. G. Reynoldson. 2,458,424, Jan. 4.
Control for oil burners, Air supply. J. A. Logan. 2,458,292, Jan. 4.
Control for spill ports for free-piston units. D. M. Poole. 2,458,198, Jan. 4.
Control means for aircraft. E. D. Colburn. 2,458,146, Jan. 4.
Control of electric discharge lamps. G. T. K. Lark, R. Gill, and R. B. Davie. 2,458,277, Jan. 4.
Control of energy supplied to translating devices. M. Audier and W. H. Elliot. 2,458,131, Jan. 4.
Control of ion exchange systems. W. R. Swenson. 2,458,115, Jan. 4.
Control system, Airway traffic. O. S. Field and S. N. Wight. 2,458,361, Jan. 4.
Control system, Automatic frequency. G. L. Predendall. 2,458,156, Jan. 4.
Control system, Humidity. J. J. Bauman. 2,458,048, Jan. 4.
Controllable output circuit. E. C. Vestal, Jr. 2,457,854, Jan. 4.
Controller for well pumps, Gas. G. A. Humason. 2,458,270, Jan. 4.
Conversion of fluid hydrocarbons, Method and apparatus for. H. K. Holm. 2,458,166, Jan. 4.
Conversion of hydrocarbons. T. P. Simpson. 2,458,109, Jan. 4.
Conversion of hydrocarbons with a moving catalyst, Method and apparatus for. W. A. Hagerbaumer. 2,458,162, Jan. 4.
Converter, Telegraph code. G. L. Bush. 2,458,144, Jan. 4.
Convertible vehicle. C. R. Ahrens. 2,458,127, Jan. 4.
Conveyer. R. S. Jacobsen. 2,458,077, Jan. 4.
Cooking unit. H. C. Doner. 2,457,877, Jan. 4.
Cooling system for car wheel axles. W. D. Weeks. 2,458,231, Jan. 4.
Copolymers of a vinyl aryl compound, butadiene, and maleic esters, Vulcanizable. G. F. D'Alelio. 2,457,872, Jan. 4.
Copolymers of acrylonitrile, butadiene and maleic esters, Vulcanizable. G. F. D'Alelio. 2,457,873, Jan. 4.
Copolymers of acrylonitrile, butadiene 1,3, and diethyl maleate, Preparing molecularly oriented. G. F. D'Alelio. 2,458,352, Jan. 4.
Copolymers of 2-acylamino-1,3-butadienes and vinyl compounds. J. B. Dickey. 2,458,355, Jan. 4.
Core inductance, High-power permeability. G. J. Maki. 2,458,282, Jan. 4.
Corer, Tomato. T. B. Sparks. 2,458,215, Jan. 4.
Corset and wearing apparel of a similar character. S. Levy. 2,458,279, Jan. 4.
Cosmetic receptacle. M. Dulberg. 2,458,063, Jan. 4.
Coupler, Tractor. S. W. Gordon. 2,458,259, Jan. 4.
Coupling. D. W. Main. 2,458,088, Jan. 4.
Coupling. C. E. Meyerhoefer. 2,457,908, Jan. 4.
Coupling. F. C. Sawatzki. 2,458,209, Jan. 4.
Coupling for water hose and the like. W. C. MacKenzie. 2,458,477, Jan. 4.
Cover: *See*—
Wheel cover.
Covering, Floor and wall. W. Stubblebine. 2,457,848, Jan. 4.
Crystalliser. J. W. Stafford. 2,458,440, Jan. 4.
Cushioning means for engine starters. F. M. Wright. 2,458,458, Jan. 4.
Cutter for pneumatic thread receivers for looms, Thread. R. G. Turner. 2,457,956, Jan. 4.
Cutter for weft replenishing looms, Thread. R. G. Turner. 2,457,953, Jan. 4.
Cutter with shear bar arranged on a chord, Rotary feed. M. H. Tuft. 2,457,951, Jan. 4.
Cutting tool. H. F. Bohl. 2,458,244, Jan. 4.
Cylinder, Engine. A. Tacchella. 2,458,447, Jan. 4.

Decolorization of esters of acrylic and α-alkyl-acrylic acids. W. P. Utermohlen, Jr. 2,458,450, Jan. 4.
Deep-neck high-flux motor. L. R. Ludwig and W. H. Formhals. 2,458,011, Jan. 4.
Deflector, Air. B. Spieth. 2,457,934, Jan. 4.
Derivatives of ethylene diamine and polymers thereof, Unsaturated. D. D. Reynolds and W. O. Kenyon. 2,458,421, Jan. 4.
Detector, Leak. T. C. Rothfus. 2,458,101, Jan. 4.
Determining the fluid content of well cores. M. Muskat and N. D. Cogreshall. 2,458,093, Jan. 4.
Detonator. J. D. Jordan. 2,458,473, Jan. 4.
Deviation correction for cathode-ray beams. A. C. Munster. 2,457,911, Jan. 4.
Deviation correction for cathode-ray beams. A. C. Munster and D. E. Sunstein. 2,458,291, Jan. 4.
Device for artificially generating speech sounds by electrical means. R. Vermeulen and W. Six. 2,458,227, Jan. 4.
Device for inserting cushion pads, Fluid pressure operated. H. A. Smith. 2,457,930, Jan. 4.
Device for use in connection with defrosting refrigerators. I. W. Taft. 2,457,851, Jan. 4.
Die: *See*—
Staple setting die.
Digger, Posthole. L. E. Beck. 2,458,241, Jan. 4.
Dimpling machine. H. R. Fischer. 2,457,992, Jan. 4.
Dioleins, Production of. M. O. Kilpatrick. 2,458,082, Jan. 4.
Direction finder. C. G. Sontheimer. 2,458,310, Jan. 4.
Direction finder, Radio. N. E. Lindenblad. 2,458,280, Jan. 4.
Discharge device, Electron. A. F. and G. D. Henninger, and R. W. Reitherman. 2,457,891, Jan. 4.
Discharge device, Electron. A. G. Thomas. 2,457,948, Jan. 4.
Discharge device having cavity resonators, Electrical. C. B. Horsley. 2,458,167, Jan. 4.
Discharging peeled fruit from grooved cups of half-fruit peeling machines. H. A. Skog. 2,457,840, Jan. 4.
Dispensing cigarette case. J. P. Zaidan. 2,457,966, Jan. 4.
Double-end-ventilated motor. W. H. Formhals and J. H. Penney. 2,457,994, Jan. 4.
Draftsman's device. R. M. Brown. 2,458,054, Jan. 4.
Dressing mechanism. G. Stewart. 2,458,444, Jan. 4.
Drill: *See*—
Rock drill.
Drill bit. W. E. Walker. 2,457,960, Jan. 4.
Drive means for compressors or the like. F. W. Edwards. 2,457,880, Jan. 4.
Drive mechanism for tractors, Adjustable. O. J. Milliken. 2,458,400, Jan. 4.
Drive mechanism for vehicles, Solid axle. G. E. McFarlane. 2,458,089, Jan. 4.
Drive shaft assembly. A. R. Maier. 2,458,087, Jan. 4.
Driving device for revolving members. P. G. Vanni. 2,458,452, Jan. 4.
Dropper, Plunger fed. C. L. Ludwig. 2,458,085, Jan. 4.
Drum calendar, Intermittently and pawl driven, single axis, multiple. J. C. Morris. 2,458,092, Jan. 4.
Dust excluding device for carpeted stairs. W. J. Neumann. 2,458,293, Jan. 4.
Dyeing of nylon fibers by treating with nitrogenous condensation products. J. H. MacGregor. 2,458,397, Jan. 4.
Effecting chemical reactions, Process and apparatus for. W. H. Green, G. A. McBride, and G. A. Hertzing. 2,458,261, Jan. 4.
Egg improving process. W. M. Urbain and L. D. Mink. 2,458,449, Jan. 4.
Egg opener with an annular cutting flange and suction cup holder. V. E. Murray. 2,457,912, Jan. 4.
Elastomer, Preparing an. I. B. Johns. 2,458,001, Jan. 4.
Electric boiler. E. Schwartz. 2,458,103, Jan. 4.
Electric conduit connector. S. Langley and A. Warring. 2,458,276, Jan. 4.
Electric switch. L. Bulgarini. 2,458,056, Jan. 4.
Electronic device. A. G. Thomas. 2,457,950, Jan. 4.
Electronic tube. A. G. Thomas. 2,458,223, Jan. 4.
Emulsion polymerisation. I. L. Wolk. 2,458,456, Jan. 4.
Engine: *See*—
Rotary engine.
Engine speed control. C. I. MacNeil. 2,458,398, Jan. 4.
Envelope having tamper detecting means. D. L. Drummond. 2,457,809, Jan. 4.
Epoxy derivatives from unsaturated aliphatic compounds, Preparing. D. E. Terry and D. H. Wheeler. 2,458,484, Jan. 4.
Ethylene oxide, Making. R. L. Helder and C. J. Stehman. 2,458,266, Jan. 4.
Exerciser, Eye. H. Breitbarth. 2,458,140, Jan. 4.
Expanding tubing by freezing liquid therein. D. E. Morgan. 2,458,189, Jan. 4.
Expansion joint. J. S. Pinaire. 2,458,024, Jan. 4.
Fairing for automobile vehicles. J. E. Andreau. 2,458,130, Jan. 4.
Fastener: *See*—
Closure fastener.
Fat splitting, Continuous. M. H. Ittner. 2,458,170, Jan. 4.
Faucet, Beer. P. G. Larkin. 2,457,906, Jan. 4.
Feed mechanism for batteries of acetylene generators, Carbide. H. Hooper. 2,457,894, Jan. 4.
Feed mechanism, Grain drill. W. A. Hyland. 2,457,900, Jan. 4.
Feeding mechanism for seed separators. W. A. Rice. 2,458,201, Jan. 4.
Feeding system for liquid fuel burners having means for disposing of fuel vapors, Fuel. L. A. Williams, Jr. 2,458,042, Jan. 4.
Film gate. O. R. Nemeth. 2,457,913, Jan. 4.
Film gate. O. R. Nemeth. 2,457,915, Jan. 4.
Film processing unit. B. E. Luboshez. 2,458,394, Jan. 4.
Film splicer, L. Frankel. 2,457,995, Jan. 4.
Filter. E. C. Walker. 2,457,958, Jan. 4.
Filter or strainer for liquids. P. L. Boucher. 2,458,139, Jan. 4.
Fishing reel. S. V. Polevoy. 2,458,298, Jan. 4.
Fixture, Grinding. G. Hohwart and J. Simmons. 2,457,895, Jan. 4.
Flag, Taxi hailing. T. Swertlow. 2,458,316, Jan. 4.
Flexible cable. P. J. McLaren, J. A. Vaughan, and V. A. Svensson. 2,457,910, Jan. 4.
Flowmeter. G. L. Borell. 2,458,331, Jan. 4.
Flow tube. H. M. Unschuld. 2,458,320–1, Jan. 4.
Fluid energy machine. E. T. Vincent and C. F. Bachle. 2,458,037, Jan. 4.
Fluid level indicator. A. H. Davis, Jr. 2,457,874, Jan. 4.
Fluorescent materials. E. Schweitzer. 2,458,104, Jan. 4.
Flux, Soldering. A. L. Wells. 2,457,232, Jan. 4.
Folding machine, Carton. A. R. Cake. 2,458,341, Jan. 4.
Folding machine, Dough. J. Buechek. 2,458,338, Jan. 4.
Footrail, Adjustable. A. B. Bell. 2,458,463, Jan. 4.
Forced circulation electrically heated space heater. J. M. Hinds. 2,458,268, Jan. 4.
Forming nonthermoplastic synthetic resin films. G. T. Vaala. 2,458,451, Jan. 4.
4-substituted-artetrahydro-2-naphthols, Preparing. C. G. Vogt and J. M. Wilkinson, Jr. 2,458,485, Jan. 4.
Freight container. L. D. Smith and R. A. Stearn. 2,457,842, Jan. 4.
Freight container. L. D. Smith, R. A. Stearn and C. R. Christianson. 2,457,841, Jan. 4.
Fuel system, Marine. E. C. Lloyd. 2,457,828, Jan. 4.
Fuel tank indicator. A. J. Korody. 2,457,905, Jan. 4.
Fueling system, Underwing. L. J. Bordelon. 2,458,245, Jan. 4.
Furnace: *See*—
Continuous pouring furnace.
Furnace arch nose construction, Replaceable. W. G. Young. 2,457,965, Jan. 4.
Furniture, Convertible. B. Finer. 2,458,363, Jan. 4.
Fuse. H. J. Nichols. 2,458,405, Jan. 4.
Fuse compositions, Delay. O. G. Bennett and J. Dubin. 2,457,860, Jan. 4.
Fused plug connector. H. C. Rohrman. 2,458,203, Jan. 4.
Game. J. Schneider. 2,458,306, Jan. 4.
Game scoring device with score indicating lights. G. E. Kochem. 2,458,083, Jan. 4.
Game, Simulated football. E. A. Kobs. 2,458,388, Jan. 4.
Gamma-dialkyl butyronitriles, Preparing. H. A. Bruson and T. W. Riener. 2,458,337, Jan. 4.
Garment, Foundation. M. A. Nathanson. 2,458,094, Jan. 4.
Garment structure. G. Davenport. 2,458,062, Jan. 4.
Gate: *See*—
Film gate.
Gate construction, Convertible film. O. R. Nemeth. 2,457,914, Jan. 4.
Gate for projectiles, Safety. W. J. Flett. 2,458,468, Jan. 4.
Gauge: *See*—
Window pulley gauge.
Gear construction and arrangement. R. P. Van Zandt. 2,457,942, Jan. 4.
Gear for bobbins and other yarn carriers, Rewinding. F. S. Perry and J. A. Huskinson. 2,458,021, Jan. 4.
Generator: *See*—
Impulse generator.
Saw-tooth voltage generator.
Glass thread, Aluminum covered. A. Biddle. 2,458,243, Jan. 4.
Golf practice device. V. D. Sell. 2,458,105, Jan. 4.
Graining apparatus. J. M. Simpson. 2,458,108, Jan. 4.
Gravitometer. D. C. Hill and W. A. McGlashen. 2,458,164, Jan. 4.
Gravity liquid separator. K. F. Tromp. 2,458,035, Jan. 4.
Greenhouse construction. W. Wilson. 2,458,455, Jan. 4.
Grid for gas tubes, Control. C. P. Smith. 2,458,213, Jan. 4.
Grinding attachment for grinding machines, Form tool. W. J. Christiansen. 2,458,347, Jan. 4.
Grinding mechanism for car wheel boring mills, Jaw. H. Irwin. 2,458,472, Jan. 4.
Grinding of lenses or of dies therefor. J. H. Jeffree. 2,458,384, Jan. 4.
Grommet, Pressure-tight. J. de Swart. 2,457,983, Jan. 4.
Gun, Multiple spray. H. L. Striegel, E. Gustafsson and J. W. Baur. 2,458,220, Jan. 4.
Gun training by tracer fire spotting. F. Tuttle. 2,458,448, Jan. 4.
Gutter leader unit. J. W. Swenson. 2,457,940, Jan. 4.
Hacksaw, Power-driven hand. C. D. Miller. 2,457,829, Jan. 4.
Hand driven device. R. Bujan. 2,458,248, Jan. 4.

Handle: *See*—
Auxiliary handle.
Shopping bag handle.
Handling device, Crucible. F. D. Bromley. 2,458,141, Jan. 4.
Hanger: *See*—
Shelf hanger.
Harvesting machine, Cane. G. S. Powers. 2,458,299, Jan. 4.
Hatbox having fixed and removable radial partitions, Compartmented. A. R. Day. 2,457,875, Jan. 4.
Headgear, Boxer's. D. A. Portal. 2,458,025, Jan. 4.
Heat exchanger. G. R. Goldthwaite. 2,458,159, Jan. 4.
Heat-treating system. J. M. Lee. 2,458,084, Jan. 4.
Heater: *See*—
Forced circulation electrically heated space heater.
Heater for rooms, Downward forced flow air. S. J. Heiman. 2,457,818, Jan. 4.
Heater with thermally controlled fuel supply, Combustion. T. S. Briskin. 2,457,862, Jan. 4.
Heating apparatus for heat-treating the interior surface of elongated small-diameter tubular workpieces, Induction. H. A. Strickland, Jr. 2,457,845, Jan. 4.
Heating apparatus, Three-phase electric resistance wire. J. Cook. 2,457,870, Jan. 4.
Heating element and making the same, Embedded. K. M. Hammell and E. J. Ballun. 2,458,471, Jan. 4.
Heating unit, Electric. D. M. Trilling and G. H. Rich. 2,458,225, Jan. 4.
Helm wheel. J. Egedi. 2,457,987, Jan. 4.
High-frequency oscillation tube. A. G. Thomas. 2,457,947, Jan. 4.
High voltage switch. C. L. Stroup. 2,457,939, Jan. 4.
Hinge, Pole supporting. E. M. Jordan. 2,458,081, Jan. 4.
Hitch, Swinging. H. G. Bauer. 2,458,330, Jan. 4.
Hitch, Tractor. C. E. Clapper. 2,457,976, Jan. 4.
Hitch, Trailer. J. E. Gatch. 2,457,885, Jan. 4.
Holder: *See*—
Nursing bottle holder.
Umbrella holder.
Piezoelectric crystal holder.
Holder and mirror or the like, Combined cosmetic. D. E. Olsen. 2,458,020, Jan. 4.
Holder for chain saw sharpeners. R. S. Carrol. 2,458,058, Jan. 4.
Holder for weft replenishing looms, Pneumatic thread. R. G. Turner. 2,457,954, Jan. 4.
Holding device, Ice-cream receptacle. J. B. Clower. 2,458,060, Jan. 4.
Holding device, Work. A. F. Emrich. 2,457,811, Jan. 4.
Humidifier for air-heating furnaces. A. R. Di Petta. 2,458,064, Jan. 4.
Humidor, Cigarette. E. C. Bently and W. L. Reese. 2,458,135, Jan. 4.
Hydration of olefins. F. E. Frey. 2,457,882, Jan. 4.
Hydrocarbons containing neutral organic sulfate, Treatment of. H. S. Bloch and G. L. Hervert. 2,458,049, Jan. 4.
Hydrogen fluoride from an azeotropic mixture by crystallization, Recovering. C. Alexander. 2,458,044, Jan. 4.
Hydrogenation of nitro compounds. M. Souders, Jr. 2,458,214, Jan. 4.
Hygrometer, Electric resistance film. H. W. Cleveland. 2,458,348, Jan. 4.
Ice cleat unit for engagement on shoes. E. L. Walker. 2,458,122, Jan. 4.
Ignition apparatus. T. A. Newton. 2,457,916, Jan. 4.
Ignition means, Radio shielded. C. F. Waldron. 2,458,121, Jan. 4.
Impression taking means. E. G. Coffey. 2,458,145, Jan. 4.
Impulse generator. H. J. McCreary. 2,458,283, Jan. 4.
Indicator: *See*—
Fluid level indicator.
Fuel tank indicator.
Inductor, Adjustable. J. F. Gordon. 2,458,071, Jan. 4.
Inhibitor for photographic emulsions, Fog. R. E. Stauffer and W. F. Smith. 2,458,442, Jan. 4.
Injection machine, Continuous. L. T. Cookson. 2,457,977, Jan. 4.
Injector, Light fuel. W. E. Hennings. 2,458,377, Jan. 4.
Insecticidal composition of pyrethrins and 3,4-oxymethylene-phenyl-1-butylglycol synergist. H. Wachs. 2,457,957, Jan. 4.
Instrument, Continuous and intermittent recording. F. Q. Rast. 2,458,418, Jan. 4.
Instrument, Drafting. J. Moran. 2,458,188, Jan. 4.
Instrument for detecting strain in trunslucent materials. O. L. Altenberg. 2,457,799, Jan. 4.
Instrument, Scribing. J. Ruger. 2,458,208, Jan. 4.
Instrument with chord tuning mechanism, String musical. J. D. Harlin. 2,458,263, Jan. 4.
Instrument with split keyboard, Electrical musical. N. Langer. 2,458,178, Jan. 4.
Ionizing means and ionisation. M. Blau. 2,457,973, Jan. 4.
Iron: *See*—
Soldering iron.
Jack with two lifting phases, Toggle link. A. Niederhauser. 2,458,407, Jan. 4.
Jacket, Outdoor. R. H. Kerr. 2,458,004, Jan. 4.
Joint: *See*—
Expansion joint.
Rail joint.
Joint. H. A. Schofield. 2,457,836, Jan. 4.
Joint construction, Building unit. H. Hill. 2,458,074, Jan. 4.
Key controlled lock. E. Audet. 2,458,046, Jan. 4.
Ladder extension. C. O. Houston. 2,458,076, Jan. 4.
Lamp: *See*—
Bed lamp.
Lamp. K. Berger. 2,458,186, Jan. 4.
Leash for animals. A. L. Hallander. 2,458,489, Jan. 4.
Lehr. H. C. Weller. 2,458,040, Jan. 4.
Letoff for looms, Warp beam. T. M. Russell, Jr. 2,457,923, Jan. 4.
Lever control, Self-locking. C. R. Suska. 2,458,446, Jan. 4.
Lever, Wheel. J. G. Staus. 2,458,219, Jan. 4.
Light control. J. Broeslus, Jr. 2,458,334, Jan. 4.
Light-polarising images, Production of. H. P. Husek. 2,458,168, Jan. 4.
Loading device, Film. R. Sardeson and E. H. Savela. 2,457,926, Jan. 4.
Lock: *See*—
Key controlled lock.
Lock. T. Kaskouras. 2,458,002, Jan. 4.
Lock and valve for steam cookers, Combination door. C. C. Young and D. F. Troupe. 2,458,461, Jan. 4.
Locking means, Disk harrow hitch. J. S. Moore. 2,458,091, Jan. 4.
Lubricating system, Machine tool. E. J. Hlinsky. 2,457,893, Jan. 4.
Lubricating system, Outboard motor. A. S. Bosma. 2,458,051, Jan. 4.
Lubrication means for dual propeller shaft assemblies. E. A. Hulbert. 2,457,999, Jan. 4.
Lubricator and mixing device. H. A. Flagge. 2,457,813, Jan. 4.
Machine adapted for typing Chinese ideographs. E. Buhler and C. A. Berry. 2,458,339, Jan. 4.
Machine control, Ironing. D. K. Ferris. 2,457,990, Jan. 4.
Machine for compacting material in containers. H. V. Kindseth. 2,458,387, Jan. 4.
Machine for pneumatically separating potatoes from rocks. A. J. Thompson. 2,458,224, Jan. 4.
Magazine unit for typesetting machines, Movable multiple. C. J. Romyns. 2,458,204, Jan. 4.
Magic trick. K. S. Franke. 2,458,488, Jan. 4.
Magnet unit for flywheel magnetos, Field. A. L. Brownlee. 2,458,336, Jan. 4.
Manifolds, Forming. C. E. Manning. 2,458,183, Jan. 4.
Marking device, Purchase sheet. P. H. Burn. 2,457,864, Jan. 4.
Measuring apparatus, Pressure. D. D. Jones. 2,457,902, Jan. 4.
Measuring system, Ultra high frequency power. R. W. George. 2,457,997, Jan. 4.
Medicinal solutions. R. Schlipfer. 2,458,430, Jan. 4.
Metal products, Manufacturing. H. A. Brassert 2,457,861, Jan. 4.
Metering by discriminating selector repeaters, Toll. R. Taylor and G. T. Baker. 2,457,946, Jan. 4.
Method and chuck for assembling mold walls. J. H. Richardson. 2,458,302, Jan. 4.
Methyl methacrylate plastics, Cementing. E. Simon and M. F. George, Jr. 2,458,032, Jan. 4.
Milk container. J. P. Jones. 2,457,822, Jan. 4.
Mixer: *See*—
Slurry mixer.
Mold for molding concrete structural units. J. B. Fraser. 2,458,155, Jan. 4.
Molded articles, Production of. R. O. Wood. 2,458,327, Jan. 4.
Molding apparatus. F. J. MacDonald. 2,458,182, Jan. 4.
Molecularly oriented copolymers of acrylonitrile, butadiene 1, 3, and diethyl maleate, Preparing. G. F. D'Alelio. 2,458,352, Jan. 4.
Motor: *See*—
Deep-neck high-flux motor.
Totally enclosed non-ventilated motor.
Double - end - ventilated motor.
Split-phase induction motor.
Motor control system and operation, Hysteresis. H. C. Roters. 2,458,100, Jan. 4.
Motor ventilation, High velocity. W. D. Abbott. 2,457,967, Jan. 4.
Motor with emergency supply reservoir, Fluid. C. K. Steins and H. A. Hoke. 2,457,937, Jan. 4.
Mount of cellular material having depressed display area. C. N. Cross. 2,458,349, Jan. 4.
Mount, Swivel. J. Mihalyi and H. D. Philips. 2,458,399, Jan. 4.
Mount with foldable firing control frame, Gun. J. H. Kochevar. 2,457,824, Jan. 4.
Mounting for looms, Lam. E. E. Gilmore. 2,458,069, Jan. 4.
Mounting for machine tools, Precision dial indicator. R. S. Carroll. 2,458,344, Jan. 4.
Mounting with concealed lens-carrying and nose-guard-carrying arms, Ophthalmic. F. A. Stevens. 2,457,938, Jan. 4.
Mower and hedge clipper, Electric lawn. L. C. and C. C. Renfroe. 2,458,200, Jan. 4.
Muffler. G. H. Hedrick. 2,457,890, Jan. 4.
Muffler, Silencing. A. Schott and G. A. Ebelshauser. 2,458,102, Jan. 4.

N-allyl derivatives of acrylic esteramides and polymers thereof. D. D. Reynolds and J. H. Van Campen. 2,458,423, Jan. 4.
Nailing machine, Floor. D. J. Dougherty. 2,457,984, Jan. 4.
Net. H. V. Robinson. 2,457,922, Jan. 4.
Nitriles of dicarboxylic acids, Preparing. H. J. Hagemeyer, Jr. 2,458,373, Jan. 4.
Nursing bottle holder. L. D. Bailey. 2,457,972, Jan. 4.
Oil compositions. A. G. Rocchini. 2,458,425, Jan. 4.
Oil distributing system. L. G. Parker. 2,458,294, Jan. 4.
Olefins from paraffins, Separating. B. S. Friedman and R. F. Stedman. 2,458,067, Jan. 4.
1-phenylethylidenemalononitrile. D. T. Mowry. 2,458,017, Jan. 4.
One-revolution latch-operated clutch. C. P. Love. 2,457,827, Jan. 4.
Open foot superheater support. E. Rawson. 2,458,029, Jan. 4.
Opener, Can. F. B. Cole. 2,458,254, Jan. 4.
Operating mechanism for electric circuit breakers. R. J. Baskerville. 2,458,240, Jan. 4.
Operating mechanism for machine guns. F. I. Rataicsak. 2,458,028, Jan. 4.
Operator for elevator doors and hall doors, Automatic. M. A. Myers. 2,458,402, Jan. 4.
Ornamentation. E. Troy. 2,458,493, Jan. 4.
Oscillator system, Spot frequency. G. F. Moynahan, Jr. 2,457,830, Jan. 4.
Outlet box connector. I. A. Paige. 2,458,409, Jan. 4.
Oven, By-product coke. P. M. Pinckard. 2,458,480, Jan. 4.
Overshoe with lining for shining shoes. H. B. W. Snelling. 2,458,438, Jan. 4.
P-acetyliphenyl acetate, Preparation of. W. S. Emerson. 2,457,988, Jan. 4.
Pacing system, Automatic. C. C. Allen and J. J. Filliung, Jr. 2,457,968, Jan. 4.
Package. L. L. Salisberg. 2,457,924, Jan. 4.
Package with nontangling string handle, Infusion. H. O. Irmscher. 2,458,169, Jan. 4.
Packing material for chemical apparatus, Making. G. B. Bailey and O. Ziegler. 2,458,238, Jan. 4.
Panel, Electrically conducting. L. Marick. 2,458,184, Jan. 4.
Panel for key cases, Attaching. D. J. Broughton. 2,458,335, Jan. 4.
Panelling construction. J. M. Wyche. 2,457,964, Jan. 4.
Parachute. R. H. Hart. 2,458,264, Jan. 4.
Parachute deploying means. P. F. Smith. 2,458,212, Jan. 4.
Pelleting carbon black. G. Thodos. 2,457,963, Jan. 4.
Pentonic acid lactones, Electrolytic reduction of. H. Spiegelberg. 2,457,933, Jan. 4.
Photographic developer antioxidants. R. W. Henn. 2,458,376, Jan. 4.
Photographic film employing hydrolysed cellulose acetate emulsions. G. F. Nadeau and C. B. Starck. 2,458,403, Jan. 4.
Photographic gamma control. C. H. Smith. 2,458,437, Jan. 4.
Photographic images on plastic, Making. H. C. Staehle. 2,458,439, Jan. 4.
Photographic print straightener. C. J. Hughey. 2,458,381, Jan. 4.
Picture centering mechanism for motion-picture projection apparatus. A. M. B. Charlin. 2,458,346, Jan. 4.
Piesoelectric crystal holder. C. D. Moriarty. 2,458,288, Jan. 4.
Pigment complex, including a reacted starch, The preparation of a. W. L. Craig. 2,457,797, Jan. 4.
Pigment, Phosphorescent. N. F. Miller. 2,458,286, Jan. 4.
Pipe: *See*—
Tobacco smoke pipe.
Pistol, Automatic cap. W. Riederich. 2,457,921, Jan. 4.
Piston for internal-combustion engines, Multiple. R. Soltess. 2,458,111, Jan. 4.
Planetary gearing, Centrifugally controlled. H. E. Korum. 2,458,389, Jan. 4.
Plate, Snubber. J. M. Moon. 2,458,287, Jan. 4.
Plate, Solid electric heating. E. Challet. 2,458,251, Jan. 4.
Plug of regenerable type, Fuse. R. J. Peralta. 2,458,296, Jan. 4.
Potentiometer, Sealed. I. Gordy. 2,457,814, Jan. 4.
Powdered material, Agglomeration of. T. H. Whaley. 2,457,962, Jan. 4.
Power plant and drive wheel unit, Tractor. A. C. Johnson. 2,457,821, Jan. 4.
Power transmission and speed reducing apparatus. T. Veitch and T. Veitch, Jr. 2,458,036, Jan. 4.
Power transmission, Bidirectional no-back. W. C. Starkey. 2,458,441, Jan. 4.
Power transmission for reversible machine elements. C. Z. Monroe. 2,458,290, Jan. 4.
Premix system, Beverage. J. Kantor and E. F. Rosenberg. 2,457,903, Jan. 4.
Preventor for fishing reels, Backlash. V. E. Babcock. 2,458,047, Jan. 4.
Prime mover dynamo plant with speed governor. H. E. Warren. 2,458,325, Jan. 4.
Protecting device for transformers. R. H. Earle. 2,457,879, Jan. 4.
Protractor, Layout. R. H. Storch. 2,458,114, Jan. 4.
Pulse testing equipment. F. H. Hibbard. 2,457,892, Jan. 4.
Pump: *See*—
Bilge pump.
Variable stroke pump.
Pump for free-piston units, Auxiliary. W. A. Ledwith. 2,458,180, Jan. 4.
Punch machine. M. L. Grappe. 2,458,160, Jan. 4.
Pyrazolone azo dyes, Production of. J. D. Kendall and D. J. Fry. 2,457,823, Jan. 4.
Rack: *See*—
Sliding shoe rack.
Radial averager, Square root. G. Lory. 2,458,009, Jan. 4.
Rail joint. L. Gagnon. 2,458,369, Jan. 4.
Rearview mirror support. W. P. Tolbert. 2,458,117, Jan. 4.
Receiver cabinet and cathode-ray tube mounting, Television. V. A. Kamin, L. J. Mattingly, and R. R. Wingert. 2,458,368, Jan. 4.
Receiver, Pulse type telegraph. W. H. Bliss. 2,457,974, Jan. 4.
Receiver, Television. G. W. Fyler. 2,458,365, Jan. 4.
Receptacle: *See*—
Cosmetic receptacle.
Receptacle for lamps, Electromagnetic. B. W. Blanchard, Jr. 2,458,138, Jan. 4.
Receptor, Colostomy. R. W. Smoot. 2,458,308, Jan. 4.
Record dies, Manufacturing. E. E. and M. I. Russell. 2,458,427, Jan. 4.
Rectifier element and manufacturing same, Selenium. T. G. Maimberg. 2,458,013, Jan. 4.
Reducer for firearms, Silencer and recoil. A. Bauer. 2,457,802, Jan. 4.
Reducing odor and surface tack of neoprene objects. E. C. Svendsen and W. J. Clayton. 2,458,221, Jan. 4.
Reed structure. J. Tiefenthal. 2,457,852, Jan. 4.
Reel: *See*—
Fishing reel.
Refrigerator with pivoted rotatable shelves, Circular. J. E. Ramsey. 2,457,919, Jan. 4.
Regenerating a moving bed contact material, Method and apparatus for. T. P. Simpson. 2,458,435, Jan. 4.
Regenerating a moving bed of solid catalyst. L. P. Evans. 2,458,358, Jan. 4.
Regenerating moving bed particle form contact mass materials, Method and apparatus for. T. P. Simpson. 2,458,434, Jan. 4.
Regeneration of a moving bed catalyst, Method and apparatus for conducting the. J. A. Crowley, Jr. 2,458,487, Jan. 4.
Regeneration of a moving bed catalyst, Multiple-zone. L. P. Evans. 2,458,359, Jan. 4.
Regeneration of a moving bed catalyst, Multistage. T. P. Simpson and C. V. Hornberg. 2,457,837, Jan. 4.
Register, Autographic. J. T. Davidson and J. H. Kroemer. 2,457,807, Jan. 4.
Regulating device, Engine combustion. C. W. MacMillan. 2,458,086, Jan. 4.
Relay, Electromagnetic. E. A. Bryan. 2,458,247, Jan. 4.
Relay, Self-unlocking lockup. H. N. Staats. 2,458,311, Jan. 4.
Releasing mechanism for power take-offs. K. W. Couse. 2,458,255, Jan. 4.
Removing mercaptans. J. A. Bolt. 2,457,975, Jan. 4.
Reproducer, Magnetically shielded electrodynamic sound. W. E. Gilman. 2,458,158, Jan. 4.
Reproduction of angular magnetic recording, Method and apparatus for. D. E. Sunstein. 2,458,315, Jan. 4.
Reproduction system, Sound. W. J. Zenner. 2,458,043, Jan. 4.
Resilient wheel. T. A. Purvis. 2,458,300, Jan. 4.
Resistor, Variable electrical. E. L. Straub and A. E. C. Bennett. 2,458,314, Jan. 4.
Rigidifying means for flexible endless tracks. P. H. Johnson and L. W. Tripp. 2,458,079, Jan. 4.
Rivet and making same, Plastic. E. A. Eakins. 2,458,152, Jan. 4.
Rock drill. W. A. Morrison. 2,458,289, Jan. 4.
Rocker arm construction. J. G. Vincent. 2,457,943, Jan. 4.
Rocket. L. A. Skinner. 2,457,839, Jan. 4.
Rocket device. C. C. Lauritsen and J. McMorris. 2,458,475, Jan. 4.
Rocket launcher. C. C. Lauritsen and J. McMorris. 2,458,476, Jan. 4.
Roll, Abrasive cutting. H. M. Field. 2,458,362, Jan. 4.
Roofing, Fire resistant asphalt. F. B. Burns, M. S. Larrison, and M. C. Higgs. 2,458,143, Jan. 4.
Rotary engine. E. Alterio. 2,458,128, Jan. 4.
Rotation device for rock drills. J. H. Anderson. 2,457,969, Jan. 4.
Rotor. J. H. Wessel. 2,458,041, Jan. 4.
Rotor for rotary wing aircraft, Jet-powered lifting. E. A. Stalker. 2,457,936, Jan. 4.
Roundabout. J. D'Errico. 2,458,150, Jan. 4.
Rubber, Hard. L. J. Cukierski. 2,458,351, Jan. 4.
Safety device for electric plugs. C. Festge. 2,458,153, Jan. 4.
Salts of tocopheryl phosphoric acid esters. U. V. Solmssen and J. Lee. 2,457,932, Jan. 4.
Sander, Drum. F. H. Staggs. 2,458,217, Jan. 4.
Saw-tooth voltage generator. G. W. Fyler. 2,458,366, Jan. 4.
Saw-tooth voltage generator. G. W. Fyler and G. J. Heisig. 2,458,367, Jan. 4.
Scale and the like, Letter. W. R. Amstuts. 2,458,129, Jan. 4.

Schmidt image former with spherical aberration corrector. J. G. Baker. 2,458,132, Jan. 4.
Scraper, Carrying. H. D. Kads. 2,458,274, Jan. 4.
Screw and driver. D. P. Lavietes. 2,458,391, Jan. 4.
Seal, drip tube, and dispensing unit, Combination. J. Shaw. 2,458,106, Jan. 4.
Seal, Rotary. E. J. Carleton. 2,458,343, Jan. 4.
Sealing device for dry cells. G. B. Ellis. 2,457,810, Jan. 4.
Seaming apparatus, Electrical. N. V. Christensen, H. J. Le Ves Conte, and A. M. Schweda. 2,458,059, Jan. 4.
Seat. S. B. McDonald. 2,458,185, Jan. 4.
Securing device. L. N. Chatterton. 2,458,252, Jan. 4.
Selective apparatus, Coin collector. G. M. Wilcox and M. L. Grant. 2,458,234, Jan. 4.
Self-locking nut means and the like. A. F. von Soden. 2,457,945, Jan. 4.
Self-opening collapsible chair. F. J. Curran. 2,457,978, Jan. 4.
Self-propelled track-laying vehicle. P. H. Johnson and L. W. Tripp. 2,458,078, Jan. 4.
Self-sealing vent cap. J. W. Allen. 2,457,800, Jan. 4.
Self-tightening rope clamp. K. R. Runde. 2,458,304, Jan. 4.
Separating metallic sodium from high molecular weight polymers made by polymerization of vinyl compounds. G. Herbolsheimer. 2,458,378, Jan. 4.
Separator: *See*—
Gravity liquid separator.
Setback switch. R. L. Maneval. 2,458,478, Jan. 4.
Setback switch. T. M. Perry. 2,458,479, Jan. 4.
Sewage treating process. C. C. Hays. 2,458,163, Jan. 4.
Sharpener, Razor blade. O. C. Stemland. 2,458,443, Jan. 4.
Sharpener, Safety razor and blade. A. E. Donovan. 2,458,257, Jan. 4.
Shaver, Dry. F. Pollifrone. 2,458,417, Jan. 4.
Shelf hanger. F. Boschan. 2,458,332, Jan. 4.
Shield, Auto glare. J. S. Winkler. 2,458,125, Jan. 4.
Shield, Shoeshine. A. A. Caputi. 2,458,250, Jan. 4.
Shock absorber. M. Funkhouser. 2,458,157, Jan. 4.
Shock absorber. E. F. Rossman. 2,458,206, Jan. 4.
Shock absorbing mechanism for railway draft appliances, Friction. G. E. Dath. 2,457,979, Jan. 4.
Shock testing. M. R. Hutchison, Jr. 2,458,382, Jan. 4.
Shoe, Ventilated. A. G. Vlastos. 2,457,944, Jan. 4.
Shopping bag handle. E. S. Kardon. 2,458,173, Jan. 4.
Short-circuited winding. H. Arnemo. 2,458,237, Jan. 4.
Shutter or blind, Adjustable louver. C. E. Cooper. 2,457,871, Jan. 4.
Signal device for automobiles, Automatic. W. R. Niles. 2,458,192, Jan. 4.
Signal for railroads, Light. E. W. Moore. 2,458,401, Jan. 4.
Signal generation system. C. H. Hoeppner. 2,457,819, Jan. 4.
Signal system, Navigation. E. W. Penton. 2,458,414, Jan. 4.
Signal unit, Reel. J. G. Jackson. 2,457,901, Jan. 4.
Signaling apparatus and system, Selective. W. T. Rea. 2,458,030, Jan. 4.
Silica gels, Producing microspherical. J. C. Bailie. 2,457,970, Jan. 4.
Silica sol. V. Voorhees. 2,457,971, Jan. 4.
Slicer. F. H. Miller. 2,458,090, Jan. 4.
Sliding shoe rack. C. M. Panosh. 2,458,194, Jan. 4.
Slurry mixer. H. B. Coulter.
Soap container. M. A. Pierce. 2,457,918, Jan. 4.
Socket for electronic tubes with associated condensers. W. J. Larkin and D. H. Bacon. 2,458,390, Jan. 4.
Sodium hydroxylamine sulfonates, Manufacture of. W. M. Nagle. 2,458,404, Jan. 4.
Soldering iron. C. L. Uhing. 2,458,319, Jan. 4.
Solenoid actuated valve. H. G. Wasserlein. 2,458,123, Jan. 4.
Solenoid operated switch. A. S. Dubuar. 2,457,878, Jan. 4.
Speed control, Revolving fan. E. Primeaux. 2,458,098, Jan. 4.
Speed reduction mechanism. J. B. Little and W. A. Munson. 2,458,181, Jan. 4.
Spinning machines, Rayon and like. W. Hartley. 2,458,374, Jan. 4.
Splicing device, Electrode. R. R. Jones. 2,458,272, Jan. 4.
Split-phase induction motor. E. M. Smith. 2,458,436, Jan. 4.
Spool, Exposure-indicating. J. Isaac. 2,458,383, Jan. 4.
Spraying device. L. Fletcher and J. Winks. 2,457,993, Jan. 4.
Spreading and loading device, Sand. J. Rome. 2,458,031, Jan. 4.
Staple setting die. O. J. Huelster. 2,457,896, Jan. 4.
Starter for combustion gas turbines, Cartridge. A. H. Redding. 2,457,833, Jan. 4.
Steering and propelling mechanism, Power. J. F. Johnson. 2,458,177, Jan. 4.
Stoker. R. W. Suman. 2,457,849, Jan. 4.
Storage and display box. T. B. Epps. 2,457,812, Jan. 4.
Strain device with temperature compensator, Electric. A. V. De Forest. 2,458,354, Jan. 4.
Strainer, Adjustable. C. M. Tursky. 2,458,118, Jan. 4.
Strainer for pump jacks. E. P. Grime. 2,457,888, Jan. 4.
Suction cleaner. H. L. Snyder. 2,458,309, Jan. 4.
Suitcases, Metal. R. B. Wemyss. 2,458,233, Jan. 4.
Supply apparatus for compressors, Cooling-water. C. W. Metzgar. 2,458,284, Jan. 4.
Support: *See*—
Open foot superheater support.
Traffic signalling device support.
Rearview mirror support.
Support and silencer, Telephone transmitter. A. C. Reinhold. 2,458,199, Jan. 4.
Support for fowl or the like. E. T. Bartlett. 2,458,239, Jan. 4.
Support for inductor furnace workpieces, Slide rail. H. A. Strickland, Jr. 2,457,846, Jan. 4.
Support for trailer vehicles. J. Stephen. 2,458,312, Jan. 4.
Surveying device, Well. G. L. Kothny. 2,457,826, Jan. 4.
Swaging apparatus. J. C. Luley. 2,458,395, Jan. 4.
Sweeper, Suction-type street. W. R. Furr. 2,458,258, Jan. 4.
Switch: *See*—
Backup light switch.
Centrifugal delay switch.
Centrifugal safety delay switch.
Centrifugal switch.
Electric switch.
High-voltage switch.
Setback switch.
Solenoid operated switch.
Thermocouple safety pilot switch.
Switch. J. W. Busacker and T. M. Perry. 2,458,464, Jan. 4.
Switch and dialite assembly, Unitary volume control. J. F. Rider. 2,457,920, Jan. 4.
Synchronization of time division multiplex communication system. J. O. Edson. 2,457,986, Jan. 4.
Syringe, Hypodermic. H. S. Austin. 2,457,859, Jan. 4.
System for laying or removing railway tracks. A. L. C. Blondelle. 2,458,050, Jan. 4.
System for preventing film fire in motion-picture projectors. F. B. Grosz, Sr. 2,458,161, Jan. 4.
System for the treatment of material. L. J. Fuller. 2,458,068, Jan. 4.
Tall oil-cellulose ether composition. W. Stubblebine. 2,457,847, Jan. 4.
Tank for water disposal systems, Filtering. J. P. Walker. 2,457,959, Jan. 4.
Television pickup tube. A. Rose. 2,458,205, Jan. 4.
Temperature control device, Engine. R. W. Fernstrum. 2,457,991, Jan. 4.
Tester, Microphonics. J. E. Sterner. 2,458,033, Jan. 4.
Tester, Tire tube. W. Abner. 2,458,126, Jan. 4.
Testing apparatus, Circuit. E. L. Clemens. 2,457,869, Jan. 4.
Textiles and composition therefor, Treatment of. H. L. Van Mater. 2,457,853, Jan. 4.
Thermocontact. H. Szabó. 2,457,941, Jan. 4.
Thermocouple safety pilot switch. L. A. Matson. 2,458,014, Jan. 4.
Thiamin derivatives, Producing. K. Warnat. 2,458,453, Jan. 4.
Thiol ester modification of synthetic rubbers. W. H. Sharkey. 2,458,432, Jan. 4.
Thiolesters, Preparation of. C. M. Himel. 2,458,075, Jan. 4.
Thread control for bobbins in magazines. R. G. Turner. 2,457,955, Jan. 4.
Thread control for looms, Pneumatic. R. G. Turner. 2,457,952, Jan. 4.
Tie and making same, Bow. S. Head. 2,458,265, Jan. 4.
Time set control. F. R. Van Sickle. 2,458,322, Jan. 4.
Tin fluoborate, Production of. A. L. Ferguson. 2,457,798, Jan. 4.
Tire and attachable vane therefor. R. J. Hull and R. W. Hursh. 2,457,897, Jan. 4.
Tire, Vaned. R. W. Hursh. 2,457,899, Jan. 4.
Titanium hadlides by treatment with metal hydrides and distillation, Purification of. D. G. Nicholson. 2,457,917, Jan. 4.
Tobacco smoke pipe. C. V. Wright, Jr. 2,458,460, Jan. 4.
Toilet seats, Sterilizing. H. H. Niles. 2,458,019, Jan. 4.
Tool: *See*—
Cutting tool.
Tool for turning threaded container caps. D. J. Loudfoot. 2,458,393, Jan. 4.
Top endgate. C. R. Adams. 2,457,857, Jan. 4.
Totally enclosed nonventilated motor. L. R. Ludwig. 2,458,010, Jan. 4.
Toy typewriter. S. I. Berger. 2,458,137, Jan. 4.
Toy wagon. A. B. Carmichael. 2,457,865, Jan. 4.
Traffic signaling device support. C. D. Ryder. 2,458,482, Jan. 4.
Transformer construction, Three-phase. C. W. Brown. 2,458,052, Jan. 4.
Transformer construction, Three-phase. A. G. Steinmayer. 2,458,112, Jan. 4.
Transmission gearing. L. B. MacGregor. 2,458,396, Jan. 4.
Transmission mechanism. W. F. Wright. 2,458,459, Jan. 4.
Transmission mechanism for engine starters and the like. S. Gilbert. 2,458,070, Jan. 4.
Trap: *See*—
Animal trap.
Tray, Freezing and dehydrating. G. W. Stevens. 2,458,113, Jan. 4.
Tremolo device for accordions. W. Gerber. 2,457,886, Jan. 4.

Trousers, Men's. T. S. Decker. 2,458,353, Jan. 4.
Truck, Crane. R. J. Stoddard. 2,458,445, Jan. 4.
Truck, Ride control. W. L. Schlegel, Jr. 2,458,210, Jan. 4.
Tube: *See*—
Cathode beam tube.
Combination beam shift-grid control tube.
Electronic tube.
Flow tube.
High-frequency oscillation tube.
Television pickup tube.
Tubes and the like, Lining combustion. D. Meyer. 2,458,285, Jan. 4.
Tubular article comprising rubber-like material. R. D. Sanders. 2,458,306, Jan. 4.
Tuner, Variable permeability. H. H. Grimm. 2,457,816, Jan. 4.
2(4,4' bis dimethylaminobensohydryl) 5 dimethylaminobensoic acid. C. S. Adams. 2,458,328, Jan. 4.
Umbrella holder. J. I. Williams. 2,458,235, Jan. 4.
Undergarment, Woman's sanitary. J. L. Jurin. 2,458,273, Jan. 4.
Unloader, Refrigeration compressor starting. J. M. Murphy. 2,458,018, Jan. 4.
Unshorting device, Centrifugal. L. R. Hafstad and W. J. Plett. 2,458,470, Jan. 4.
Valve: *See*—
Solenoid actuated valve.
Valve. A. C. Scinta. 2,458,211, Jan. 4.
Valve for fluid pressure systems, Compensating. E. H. Johnson. 2,458,386, Jan. 4.
Vanillic acid, Production of. I. A. Pearl. 2,458,295, Jan. 4.
Variable-speed drive. E. W. Vredenburg. 2,458,229, Jan. 4.
Variable stroke pump. W. C. Pike. 2,458,023, Jan. 4.
Vehicle: *See*—
Convertible vehicle.
Self-propelled track-laying vehicle.
Ventilator. M. C. Volkmann and C. A. Johnson. 2,458,324, Jan. 4.
Ventilator, Adjustable. C. D. Belden. 2,458,134, Jan. 4.
Wagon, Convertible coaster. A. Johnson. 2,458,080, Jan. 4.
Wall construction, Vault. P. Bescherer. 2,458,242, Jan. 4.
Warming device, Popcorn. S. Newburger. 2,458,190, Jan. 4.
Warning light system for motor vehicles and a switch for use in such a system, Electrical. J. Volker. 2,458,323, Jan. 4.
Water closet. R. A. Park. 2,458,096, Jan. 4.
Wearing apparel, Electrically heated. G. Van Daam. 2,458,119, Jan. 4.
Weighing device, Load. A. C. Ruge. 2,458,481, Jan. 4.
Weighing device with bag filling and bag vibrating means. E. W. Vredenburg. 2,458,228, Jan. 4.
Welding composite metal reelheads, Electrically. A. A. Bureau. 2,458,340, Jan. 4.
Wheel: *See*—
Helm wheel.
Resilient wheel.
Wind wheel.
Wheel and axle assembly, Adjustable. E. V. Bunting. 2,458,249, Jan. 4.
Wheel cover. G. A. Lyon. 2,458,490–2, Jan. 4.
Wind wheel. M. A. Reinmann. 2,458,419, Jan. 4.
Winding device, Level. A. J. Farrar. 2,458,065, Jan. 4.
Window assembly, Storm. L. M. Jenness. 2,458,385, Jan. 4.
Window pulley gauge. W. M. Hall. 2,458,072, Jan. 4.
Wiper, Magnetic windshield. R. R. Chiesa. 2,457,868, Jan. 4.
Wiper mechanism, Windshield. R. B. Gray. 2,458,260, Jan. 4.
Wiping device, Eyeglass. G. S. McDonald. 2,458,015, Jan. 4.
Wire connector. F. Pennell. 2,458,413, Jan. 4.
Wire dispensing container. M. H. Tuft. 2,458,318, Jan. 4.
Wire letter with fabric covering, Detachable. I. W. Fuller. 2,457,883, Jan. 4.
X-ray unit. B. F. Wehmer. 2,457,961, Jan. 4.
Xylophone. J. A. Packheiser. 2,458,193, Jan. 4.
Xylophone. H. Zimmerman. 2,458,462, Jan. 4.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 4, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 46: 2,457,984
2— 3: 2,458,026
36: 2,458,064
2,458,279
42: 2,457,928
2,457,989
73: 2,458,062
93: 2,458,004
132: Re.23,072
154: 2,458,265
197: 2,458,275
250: 2,458,353
4— 40: 2,458,096
177: 2,458,003
283: 2,458,019
7— 14.1: 2,457,856
8— 31: 2,458,397
50: 2,457,838
57: 2,457,808
13— 14: 2,458,272
15— 138: 2,458,027
214: 2,458,015
268: 2,457,811
340: 2,458,258
16— 11: 2,458,203
116: 2,457,898
18— 1: 2,457,962
2,457,963
2,458,327
19: 2,458,182
48: 2,458,221
2,458,353
59: 2,458,152
20— 35: 2,457,964
55: 2,458,385
63: 2,457,871
92: 2,457,896
2,458,074
22— 82: 2,458,141
209: 2,458,410
23— 59: 2,457,798
114: 2,458,404
201: 2,458,261
209.6: 2,458,107
286: 2,458,412
24— 18: 2,458,252
19: 2,458,007
68: 2,458,378
81: 2,458,371
125: 2,458,804
126: 2,458,413
243: 2,457,931
25— 41: 2,457,996
121: 2,458,155
128: 2,458,055
154: 2,457,982
155.5: 2,458,285
26— 15: Re.23,071
19: 2,458,220
55.5: 2,458,021
29— 73: 2,457,839
98: 2,458,244
148.2: 2,458,302
156.8: 2,457,889
288: 2,458,370
30— 10: 2,458,254
41: 2,458,417
142: 2,458,090
302: 2,458,215
32— 17: 2,458,145
33— 1: 2,458,009
31: 2,458,208
75: 2,458,054
2,458,114
76: 2,458,188
125: 2,458,344
174: 2,458,072
205.5: 2,457,826
34— 222: 2,458,045
36— 3: 2,457,944
7.3: 2,458,438
62: 2,458,122
70: 2,458,260
37— 126: 2,458,274
38— 56: 2,457,900
40— 112: 2,458,092
140: 2,457,883
154: 2,458,349
41— 24: 2,458,439
34: 2,458,493
43— 57: 2,457,921
70: 2,457,929
45— 12: 2,457,922
57: 2,458,176
45— 28: 2,457,918
46— 102: 2,457,865
155: 2,458,306
47— 59: Pl.Pt.818
48— 38: 2,457,894
49— 47: 2,458,040
51— 6: 2,458,108
58: 2,458,384
156: 2,458,257
190: 2,458,217
2,458,362
211: 2,458,443
224: 2,458,347
226: 2,457,895
269: 2,458,472
52— 2: 2,457,860
53— 73: 2,458,091
56— 17: 2,458,209
26.5: 2,458,200
249: 2,458,416
57— 77: 2,458,374
140: 2,458,243
60— 49: 2,457,853
57: 2,457,987
60: 2,457,874
62— 4: 2,458,048
99: 2,457,919
65— 12: 2,458,120
68— 23: Re.23,070
70— 77: 2,458,046
211: 2,458,002
73— 12: 2,458,196
2,458,352
24: 2,458,164
40: 2,458,101
49: 2,458,126
140: 2,457,902
141: 2,458,481
204: 2,458,331
322: 2,457,935
357: 2,458,022
74— 97: 2,458,342
130: 2,458,248
208: 2,458,036
220.7: 2,458,396
238: 2,458,057
242.14: 2,458,255
260: 2,458,389
263: 2,458,181
280: 2,458,459
321: 2,458,260
368: 2,458,229
389.5: 2,458,089
432: 2,457,942
473: 2,457,876
501: 2,457,910
519: 2,457,943
531: 2,458,446
75— 22: 2,457,861
27: 2,458,469
76— 74: 2,458,058
107: 2,458,427
80— 13: 2,458,110
81— 3.30: 2,458,329
3.43: 2,458,393
84— 1.17: 2,458,178
312: 2,458,263
376: 2,457,886
403: 2,458,193
2,458,462
87— 50: 2,458,379
88— 1: 2,458,179
14: 2,457,799
17: 2,457,915
89— 17: 2,458,161
18: 2,458,346
24: 2,458,269
2,458,301
28: 2,457,913
2,457,914
42: 2,457,938
57: 2,458,132
89— 1: 2,458,028
1.7: 2,458,476
14: 2,457,802
35: 2,457,803
41: 2,458,448
136: 2,457,824
152: 2,457,835
91— 14: 2,458,297
45: 2,458,230
92— 10: 2,457,856
70: 2,458,381
93— 49: 2,458,341
94— 17: 2,458,303
95— 2: 2,458,437
7: 2,458,442
9: 2,458,403
13: 2,458,186
18: 2,458,466
88: 2,458,166
2,458,376
89: 2,458,394
100: 2,457,926
98— 20: 2,458,324
40: 2,457,934
99— 77.1: 2,458,160
92: 2,458,449
419: 2,458,239
100— 48: 2,458,096
102— 7.2: 2,457,817
49: 2,457,839
2,458,475
70.2: 2,458,467
2,458,470
2,458,473
80: 2,458,495
2,458,468
103— 5: 2,458,270
6: 2,457,863
2,458,392
11: 2,458,452
41: 2,458,277
50: 2,458,197
120: 2,458,023
234: 2,458,063
104— 5: 2,458,050
105— 157: 2,458,445
197: 2,458,210
369: 2,458,287
106— 249: 2,458,222
306: 2,457,797
2,458,039
107— 9: 2,458,338
108— 16: 2,458,455
30: 2,457,940
109— 83: 2,458,242
110— 45: 2,457,849
99: 2,457,966
113— 8: 2,458,008
116: 2,458,183
118: 2,458,189
114— 160: 2,457,987
115— 35: 2,458,177
116— 67: 2,457,901
117— 32: 2,458,143
68.5: 2,458,166
143: 2,457,853
119— 109: 2,458,489
121— 7: 2,457,969
2,458,289
38: 2,457,834
45: 2,458,290
123— 78: 2,458,111
117: 2,458,096
139: 2,458,294
148: 2,457,916
173: 2,458,447
123— 178: 2,457,991
179: 2,458,070
125— 11: 2,458,444
126— 20: 2,458,461
110: 2,457,818
113: 2,458,064
127— 15: 2,458,440
128— 76.5: 2,458,140
214: 2,458,106
215: 2,457,859
218: 2,457,977
283: 2,458,308
291: 2,458,273
335.5: 2,457,804
348: 2,458,305
129— 16: 2,457,855
130— 30: 2,458,345
131— 184: 2,458,460
132— 19: 2,458,426
79: 2,458,020
2,458,063
134— 24: 2,458,333
136— 133: 2,457,810
137— 69: 2,457,906
139: 2,457,800
153: 2,458,386
139— 30: 2,458,099
33: 2,457,852
109: 2,457,923
247: 2,457,954
2,457,955
2,457,956
255: 2,457,952
267: 2,457,953
140— 105: 2,458,238
144— 238: 2,458,216
145— 50: 2,458,391
146— 2: 2,457,912
112: 2,457,961
241: 2,457,840
148— 6.20: 2,458,073
23: 2,458,232
150— 40: 2,458,335
151— 7: 2,457,945
152— 89: 2,458,300
153— 9: 2,458,395
21: 2,457,992
48: 2,458,202
154— 42: 2,458,059
42.1: 2,457,995
97.5: 2,458,451
104: 2,458,032
126: 2,458,104
155— 46: 2,458,363
153: 2,457,978
170: 2,458,185
2,458,463
194: 2,458,095
158— 28: 2,457,862
2,458,372
36: 2,458,042
160— 223: 2,458,134
164— 91: 2,458,180
112: 2,457,864
166— 1: 2,458,278
167— 24: 2,457,957
30: 2,458,017
65: 2,457,820
81: 2,458,430
170— 40: 2,458,419
135.4: 2,457,935
173: 2,457,815
171— 95: 2,457,997
209: 2,458,336
242: 2,458,282
247: 2,458,071
252: 2,457,967
2,457,994
2,458,010
327: 2,458,288
172— 120: 2,458,011
2,458,237
172— 126: 2,457,868
294: 2,457,880
173— 328: 2,458,097
334.1: 2,457,831
361: 2,458,153
174— 47: 2,457,843
175— 41: 2,458,390
41.5: 2,458,187
183: 2,457,869
294: 2,457,879
335: 2,458,311
336: 2,458,247
338: 2,458,123
356: 2,458,052
2,458,112
2,458,083
2,458,323
353: 2,458,030
355: 2,457,881
386: 2,458,416
178— 3: 2,458,144
5.8: 2,458,368
7.5: 2,458,365
22: 2,458,406
88: 2,457,974
179— 1: 2,458,227
9: 2,457,946
18: 2,458,262
27.52: 2,457,878
100.2: 2,458,315
108: 2,458,043
115.5: 2,458,158
175.2: 2,457,892
180: 2,458,199
180— 41: 2,458,400
52: 2,457,831
82.1: 2,458,494
181— 27: 2,458,036
49: 2,458,102
57: 2,457,890
183— 2.5: 2,457,903
52: 2,458,309
184— 6: 2,457,893
2,457,999
55: 2,457,813
188— 5: 2,458,226
88: 2,458,157
2,458,206
189— 28: 2,458,081
190— 19: 2,458,116
2,458,233
192— 8: 2,458,441
12: 2,457,907
26: 2,457,827
54: 2,457,801
89: 2,458,364
195— 66: 2,458,171
104: 2,458,431
196— 32: 2,457,976
52: 2,458,106
2,458,162
2,458,165
2,458,350
197— 1: 2,458,339
47: 2,458,137
198— 220: 2,458,077
199— 45: 2,458,204
200— 26: 2,458,322
52: 2,458,464
2,458,478
2,458,479
59: 2,458,154
77: 2,458,056
80: 2,458,465
2,458,474
2,458,483
86: 2,458,192
87: 2,458,014
88: 2,458,151
200— 114: 2,457,925
115.5: 2,458,208
120: 2,458,307
125: 2,458,296
140: 2,457,989
142: 2,457,941
148: 2,458,217
166: 2,458,340
201— 55: 2,458,314
58: 2,457,814
2,457,920
63: 2,458,235
2,458,248
2,458,354
67: 2,458,471
202— 57: 2,457,917
2,457,949
134: 2,458,480
204— 75: 2,457,933
140: Re.23,068
Re.23,069
312: 2,458,320
2,458,321
206— 0.83: 2,457,998
8: 2,457,875
41.2: 2,457,966
45.13: 2,457,812
56: 2,457,924
209— 73: 2,458,201
113: 2,458,267
178: 2,458,085
470: 2,458,294
210— 2: 2,458,153
24: 2,458,115
49: 2,457,969
51: 2,457,828
164: 2,457,888
169: 2,457,958
2,458,118
2,458,129
211— 34: 2,458,194
213— 69: 2,458,271
212— 34: 2,457,979
214—83.14: 2,458,081
140: 2,458,195
215— 43: 2,458,360
218— 5: 2,457,896
25: 2,457,930
219— 10: 2,458,340
11: 2,457,870
13: 2,457,844
2,457,845
2,457,846
19: 2,458,190
27: 2,458,319
34: 2,458,184
35: 2,457,877
37: 2,458,231
38: 2,458,103
39: 2,458,268
46: 2,458,119
47: 2,458,012
220— 1.5: 2,457,841
2,457,842
12: 2,458,246
15: 2,458,000
19: 2,458,113
25: 2,458,380
57: 2,457,927
222— 187: 2,457,851
283: 2,457,900
386: 2,458,085
224— 45: 2,458,133
225— 13: 2,458,230
226— 58: 2,458,228
82: 2,457,867
228— 63: 2,458,076
229— 7: 2,457,822
32: 2,458,281
54: 2,458,173
81: 2,457,909
230— 26: 2,458,147
2,458,198
26: 2,458,284

230— 56: 2,456,172
2,456,180
123: 2,456,087
134: 2,456,006
2,456,041
138: 2,456,018
270: 2,456,008
232— 12: 2,456,284
236— 212: 2,456,269
240— 1.2: 2,456,414
4: 2,456,174
23: 2,456,401
32.15: 2,456,138
148: 2,456,136
242— 71: 2,456,383
80: 2,456,318
84.4: 2,456,308
84.5: 2,456,047
156: 2,456,065
244— 2: 2,457,894
33: 2,456,146
103: 2,457,897
2,457,899
135: 2,456,245
139: 2,456,212
153: 2,456,264
248— 33: 2,456,462
42: 2,456,235
49: 2,456,029
103: 2,457,972
183: 2,456,399
249: 2,456,332
279: 2,458,117
250— 6: 2,456,124

250— 9: 2,457,898
37.8: 2,457,901
2,457,947
2,457,948
2,457,949
2,457,950
2,458,026
2,458,142
2,458,269
2,458,218
2,458,223
33.65: 2,458,175
36: 2,457,930
2,458,000
2,458,156
40: 2,457,816
53.6: 2,458,099
89: 2,457,961
164: 2,457,981
2,458,205
251— 115: 2,457,998
118: 2,458,211
252— 33.3: 2,458,034
33.6: 2,458,425
175: 2,458,292
301.4: 2,458,286
313: 2,457,971
418: 2,457,537
2,458,356
2,458,357
2,458,358
2,458,359
2,458,411
2,458,433

252— 418: 2,458,434
2,458,435
2,458,457
448: 2,457,970
253— 39: 2,458,145
2,458,149
91: 2,458,126
254— 9: 2,458,407
38: 2,458,219
86: 2,458,312
187: 2,457,904
255— 1.4: 2,456,098
22: 2,458,241
61: 2,457,980
257— 137: 2,458,150
259— 73: 2,458,267
75: 2,458,313
260— 16: 2,458,486
17: 2,457,847
2,457,848
2,458,428
17.4: 2,458,191
55: 2,458,406
78.3: 2,458,355
2,458,420
2,458,421
2,458,422
2,458,423
78.5: 2,457,872
2,457,873
82.7: 2,458,432
83.7: 2,458,456
85.1: 2,458,378
89.5: 2,457,850

260— 160: 2,457,828
260.5: 2,457,897
261: 2,458,458
329: 2,457,226
333: 2,457,982
345: 2,458,001
348: 2,458,454
348.6: 2,458,286
391: 2,458,228
418: 2,458,170
456: 2,458,075
465.1: 2,458,227
465.2: 2,456,373
479: 2,457,805
2,457,982
486: 2,458,450
521: 2,458,295
575: 2,458,485
580: 2,458,214
610: 2,458,207
640: 2,457,983
642: 2,457,866
677: 2,458,057
680: 2,458,052
683.4: 2,456,044
775: 2,458,351
261— 18: 2,458,256
98: 2,458,061
262— 12: 2,458,236
19: 2,458,066
264— 1: 2,458,016
3: 2,458,396
265— 68: 2,458,129
266— 4: 2,458,064

268— 19: 2,458,263
269— 88: 2,458,402
272— 8: 2,458,498
51: 2,458,180
273— 85: 2,458,105
94: 2,458,398
101: 2,457,832
275— 4: 2,457,909
280— 7.10: 2,458,080
2,458,127
32.12: 2,458,330
33.15: 2,457,895
2,458,269
33.17: 2,458,329
35.5: 2,457,976
41: 2,457,985
152: 2,458,120
282— 18: 2,457,807
285— 1: 2,458,477
6.5: 2,457,983
2,458,276
2,458,409
21: 2,458,343
163: 2,457,908
169: 2,458,088
183: 2,458,094
286— 6: 2,458,457
287— 88: 2,458,316
290— 4: 2,458,325
292— 247: 2,457,985
295— 51: 2,457,897
97: 2,458,125
301— 9: 2,458,249
37: 2,458,490

301— 37: 2,458,491
2,458,492
306— 8: 2,458,078
10: 2,458,979
308— 77: 2,458,231
207: 2,458,087
312— 78: 2,458,135
315— 4: 2,457,980
6: 2,458,167
9: 2,457,911
21: 2,458,391
29: 2,458,266
2,458,367
85: 2,458,121
99: 2,458,277
111: 2,457,978
155: 2,458,334
210: 2,458,263
264: 2,458,083
316— 166: 2,458,109
220: 2,458,436
308: 2,458,131
322— 9: 2,457,819
61: 2,457,854
343— 7: 2,458,429
102: 2,458,261
113: 2,458,310
123: 2,458,280
346— 50: 2,458,418

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,457,809: 229—81
2,457,811: 15—268
2,457,817: 102—7.2
2,457,923: 260—160
2,457,932: 273—101
2,457,935: 80—152
2,457,936: 20—92
2,457,937: 252—418
2,457,950: 260—69.5
2,457,951: 222—187
2,457,958: 117—143
2,457,964: 332—61
2,457,981: 75—22
2,457,989: 44—102
2,457,974: 60—60
2,457,976: 74—473

2,457,979: 175—294
2,457,998: 18—116
2,457,910: 222—233
2,457,919: 62—99
2,457,930: 218—25
2,457,983: 204—75
2,457,940: .08—30
2,457,953: 139—267
2,457,962: 18—1
2,457,964: 20—25
2,457,970: 252—448
2,457,980: 315—4
2,457,993: 251—115
2,457,998: 206—0.83
2,458,000: 250—36
2,458,032: 154—104

2,458,039: 106—306
2,458,048: 62—4
2,458,058: 76—74
2,458,060: 220—15
2,458,071: 171—247
2,458,074: 20—92
2,458,080: 280—7.10
2,458,090: 30—142
2,458,093: 255—1.4
2,458,104: 154—136
2,458,107: 23—209.6
2,458,128: 253—91
2,458,131: 318—308
2,458,143: 117—32
2,458,147: 230—25
2,458,160: 164—91

2,458,194: 211—34
2,458,198: 230—25
2,458,211: 251—118
2,458,221: 18—48
2,458,222: 106—249
2,458,246: 220—12
2,458,255: 74—242.14
2,458,264: 244—152
2,458,271: 213—69
2,458,277: 315—99
2,458,283: 315—210
2,458,304: 24—126
2,458,318: 242—80
2,458,330: 280—33.12
2,458,343: 285—21
2,458,351: 260—775

2,458,352: 18—48
2,458,356: 260—78.3
2,458,356: 252—418
2,458,359: 252—418
2,458,361: 343—102
2,458,365: 178—7.8
2,458,366: 315—20
2,458,371: 24—81
2,458,378: 260—85.1
2,458,380: 175—41
2,458,401: 240—28
2,458,408: 260—55
2,458,411: 252—418
2,458,413: 24—125
2,458,414: 240—1.2
2,458,417: 30—41

2,458,420: 260—78.3
2,458,421: 260—78.3
2,458,423: 260—78.3
2,458,432: 260—82.7
2,458,457: 95—2
2,458,451: 154—97.5
2,458,454: 175—363
2,458,456: 260—83.7
2,458,460: 131—184
2,458,468: 102—80
2,458,472: 51—259
2,458,473: 102—70.2
2,458,486: 260—16

Classification of Designs

D 1— 2: Des. 152,238
12: Des. 152,294
Des. 152,304
Des. 152,305
D 2— 3: Des. 152,245
D 3— 4: Des. 152,244
Des. 152,251
Des. 152,274
Des. 152,298
Des. 152,299
Des. 152,300
Des. 152,301
13: Des. 152,265

D 7— 4: Des. 152,255
Des. 152,309
D13— 1: Des. 152,277
D14— 3: Des. 152,240
Des. 152,273
D16— 2: Des. 152,296
D17—10: Des. 152,307
D26— 1: Des. 152,256
Des. 152,275
14: Des. 152,248
Des. 152,276
Des. 152,278
Des. 152,303

D29— 2: Des. 152,297
D31— 4: Des. 152,242
Des. 152,243
Des. 152,256
Des. 152,285
Des. 152,287
Des. 152,295
Des. 152,308
D34— 5: Des. 152,241
15: Des. 152,300
D35— 2: Des. 152,293
D36— 8: Des. 152,279
Des. 152,280

D41— 1: Des. 152,259
Des. 152,260
Des. 152,261
Des. 152,262
Des. 152,263
D44— 9: Des. 152,284
15: Des. 152,312
29: Des. 152,270
D45— 1: Des. 152,240
Des. 152,252
Des. 152,253
4: Des. 152,235
Des. 152,236

D45— 4: Des. 152,237
Des. 152,289
19: Des. 152,268
Des. 152,269
Des. 152,271
D48—16: Des. 152,250
20: Des. 152,281
Des. 152,282
Des. 152,291
D56— 4: Des. 152,266
Des. 152,267
D57— 1: Des. 152,254
D58— 6: Des. 152,306

D58— 8: Des. 152,239
12: Des. 152,246
D61— 1: Des. 152,247
Des. 152,310
Des. 152,311
D74— 1: Des. 152,283
D81— 4: Des. 152,264
10: Des. 152,292
Des. 152,302
Des. 152,306
D86—10: Des. 152,257
Des. 152,272
D92— 1: Des. 152,288

MANUFACTURER—PRODUCER—BANKER—LAWYER
TEACHER—STUDENT—AVERAGE CITIZEN

Know Your Government!

The Constitution
The Congress
The Courts
Executive Office of the President
Department of the Treasury
Bureau of Customs
National Military Establishment
Federal Security Agency
Food and Drug Administration
Housing and Home Finance Agency
Selective Service System
Veterans' Administration

INFORMATION about these and other Federal departments and agencies is to be found in the 1948 *United States Government Manual*, an authoritative 722-page handbook covering the legislative, executive, and judicial branches of the Government. Issued annually by the Division of the Federal Register, the National Archives.

$1.00 a copy

Order from SUPERINTENDENT OF DOCUMENTS
United States Government Printing Office, Washington 25, D. C.

U. S. GOVERNMENT PRINTING OFFICE: 1948

January 11, 1949 Volume 618 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

	Page
Issue of January 11, 1949	336
Patents Expiring	336
Applications Under Examination	337
Notices	
Classification Orders—Nos. 43 and 44	339
Disclaimers	339
Interference Notice	339
Cancellation Notice	339
Register of Patents Available for Licensing or Sale	339
Trade-Marks	
Published (331 Applications)	355
Registrations Granted	396
Registrations Renewed	404
Registrations Canceled	405
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	405
Registrations Republished (509 Registrations)	406
Reissues	467
Plant Patents	469
Patents Granted	470
Designs	635

January 11, 1949

Trade-Marks	16—No.	441,814 to No.	441,829, inclusive
T. M. (Act of 1946)	108—No.	505,557 to No.	505,664, inclusive
T. M. Renewals	16		
Reissues	7—No.	23,073 to No.	23,079, inclusive
Plant Patents	2—No.	819 to No.	820, inclusive
Patents	644—No.	2,458,494 to No.	2,459,137, inclusive
Designs	75—No.	152,313 to No.	152,387, inclusive
Total	868		

Patents expiring: Patent Numbers 1,840,296 to 1,841,351, inclusive, issued January 12, 1932, expire January 12, 1949

Condition of Applications Under Examination at Close of Business Dec. 24, 1948

Total number of patent applications awaiting action, 154,156. Date of oldest new application, December 12, 1946; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	7-11-47	5-19-47	2838
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-25-47	11-25-46	2949
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	3-30-48	3 25-48	1234
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	4-28-47	3-12-47	4165
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	8-11-47	1-4-47	1629
6. SURLE, H., Carbon Chemistry (part)	2-17-48	11-12-47	1909
7. HANLIN, GEORGE, Optics; Photographic Apparatus	3-27-48	12-26-47	1640
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	4-30-47	1-17-47	4498
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	7-25-47	2-26-47	2471
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-27-48	1-24-48	1554
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	9-6-47	11-14-46	1974
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-20-48	10-14-46	2231
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	12-12-46	12-23-46	2396
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-25-48	12-11-47	1348
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	9-16-47	6-19-47	2002
16. LOVEWELL, N. N., Television; Telephony	4-3-48	8-28-47	1653
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	6-10-47	11-21-46	2132
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	10-7-47	12-19-46	2152
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1869
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	8-1-47	3-20-47	2046
21. MADER, R. C., Textiles	12-31-47	10-27-47	1257
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	1-2-48	5-11-47	1739
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-6-48	12-21-46	1180
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	11-14-47	11-13-47	2334
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	3-30-48	5-15-47	1780
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	8-15-47	3-7-47	1219
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Ironing; Brush, Broom and Mop Making.	8-5-47	2-15-47	3671
28. BRAUNER, R. H., (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	3-4-48	12-24-47	916
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-23-47	4-17-47	3213
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	3-17-48	2-19-48	1063
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-16-48	4-16-48	2091
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	5-16-47	11-5-46	2091
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	4-19-47	1-20-47	3652
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	8-11-47	2-3-47	1399
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	7-22-47	12-31-46	3488
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-3-47	1-8-47	2009
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-6-48	6-19-47	1388
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	10-6-47	9-9-47	1629
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	5-19-47	11-13-46	3096
40. DRUMMOND, E. J., Receptacles (part); Packages	2-18-48	3-4-47	3229
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	2-2-48	11-29-46	2271
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	8-1-48	3-24-48	1140
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	3-20-48	1-21-48	1248
44. HARVEY, L. P., Refrigeration; Preserving	12-19-46	10-15-46	1012
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-8-47	1-8-47	2514
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	9-29-47	1-29-47	1866

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,156. Date of oldest new application, December 12, 1946; date of oldest amended application, April 18, 1946.

NOTICES

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,156. Date of oldest new application, December 12, 1946; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-1-48	9-23-47	2181
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	3-27-48	7-5-47	1467
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	1-14-48	11-28-47	1857
50. LEVIN, SAMUEL, Synthetic Resins	4-16-48	12 30-47	2150
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	3-30-48	1-5-48	1640
52. KNOTTS, M. K., Supports; Chucks; JointPacking; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	12-10-47	1-14-47	3864
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	7-27-47	11-18-46	2507
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	3-24-48	8-18-47	1677
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	1-2-48	11-4-47	1869
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	10-24-47	10-21-47	1710
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	7-10-47	2-7-47	3556
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	4-1-47	1953
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	10-30-47	12-10-46	1569
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Device; Resistances and Rheostats; Prime Mover Dynamo Plants.	4-30-48	11-29-47	1291
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	9-14-46	3799
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-5-48	5-2-47	1680
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	2-5-48	9-23-47	1845
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	5-24-48	5-20-48	1607
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	3-27-48	10-6-47	2349
66. LISANN, I., Geometrical Instruments	2-26-48	4-18-46	2087
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	2-3-48	7-19-47	1989
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-5-48	11-20-47	1492
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	8-9-47	3-8-47	2149
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	1-9-47	2-13-47	1015
DESIGNS: BREHM, G. L.	4-14-47	4-16-48	7249

Total number of trade-mark applications awaiting action (including renewals and republications) 36,635. Date of oldest new application, Oct. 17, 1947; date of oldest amended application, Apr. 17, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	1-15-48	8-3-48	3197
2. KASCHUB, H. E., Classes 2, 15, 20, 33, 36, 46, 50	10-30-47	6-19-48	5903
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-17-47	7-14-48	5107
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	10-28-47	5-14-48	4671
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-4-47	6-4-48	3613
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-18-48	10-9-48	3280
7. KEYS, O. M., Classes 16, 19, 55	12-5-47	4-17-48	2181
8. GEDIMAN, H. W. Renewals / Republications — All Classes	11-3-48	11-23-48	221
	1-8-48	11-23-48	8462

NOTICES

Classification Order No. 43

December 17, 1948

The following transfers are hereby ordered to take effect Monday, December 20, 1948:

Class 210, Liquid Separation or Purification, from Division 49 to Division 56.

Class 225, Earth Boring, and Class 166, Wells, from Division 32 to Division 49.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

Classification Order No. 44

December 21, 1948

The following transfers are hereby ordered to take effect December 22, 1948:

Class 30, Cutlery, from Division 53 to Division 11.

Class 54, Harness, from Division 11 to Division 53.

Class 231, Whips and Whip Apparatus, from Division 11 to Division 53.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

Disclaimers

Re. 20,676.—*Gustav O. Wilms*, Milwaukee, and *Hans Petersen*, Wauwatosa, Wis. ELECTRIC SWITCH. Patent dated Mar. 22, 1938. Disclaimer filed Dec. 13, 1948, by the assignee, *Allen-Bradley Company*.

Hereby enters this disclaimer to claims 1, 2, 4, 5, and 6 in said specification.

2,071,149.—*Gustav O. Wilms*, Milwaukee, and *Hans Petersen*, Wauwatosa, Wis. ELECTRIC SWITCH. Patent dated Feb. 16, 1937. Disclaimer filed Dec. 13, 1948, by the assignee, *Allen-Bradley Company*.

Hereby enters this disclaimer to claim 2 and claims 19 to 26, inclusive, in said specification.

2,422,649.—*James R. Bland*, Eastport, Md. SLIDE RULE. Patent dated June 17, 1947. Disclaimer filed Dec. 16, 1948, by the assignee, *Keuffel & Esser Company*.

Hereby enters this disclaimer to claim 3 in the specification.

2,425,607.—*Martin A. Edwards*, Scotia, and *Hugh M. Ogle*, Schenectady, N. Y. CONTROL SYSTEM FOR AIRCRAFT TURBOSUPERCHARGERS. Patent dated Aug. 12, 1947. Disclaimer filed Dec. 8, 1948, by the assignee, *General Electric Company*.

Hereby enters this disclaimer to claims 1, 2, 3, and 5 of said patent.

Interference Notice

William Henry Dean, his assigns or legal representatives, take notice:

An interference having been declared by this Office between Patent No. 2,438,777, granted March 30, 1948, to William Henry Dean, 18, Cleveland Ave., Darlington, County Durham, England, and the application for patent of Joseph J. Mohr, Route 1, Encinitas, Calif., and a notice of such declaration sent by registered mail to said Dean at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Dean, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

THOMAS F. MURPHY,
Assistant Commissioner of Patents.

December 9, 1948.

Cancellation Notice

Les Parfums Marly, Inc., its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the application of Wolf Drug Company, 21 West Park St., Newark, N. J., to effect the cancellation of trade-mark registration of Les Parfums Marly, Inc., 610 Fifth Ave., New York, N. Y., No. 315,639, dated August 7, 1934. Regent Laboratories, Inc., New York, N. Y., has been joined as a respondent party to defend the right of registration evidenced thereby. The notice of this proceeding sent by registered mail to the said Les Parfums Marly, Inc., at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Les Parfums Marly, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

JOE E. DANIELS,
Assistant Commissioner of Patents.

December 8, 1948.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,448,969. KEY RETAINER. Patented Sept. 7, 1948. Key retainer has a straight bar for supporting keys, provided with a fixed head at one end and a detachable keeper at opposite end. Two spring-pressed plungers encircle the bar, one telescoping within the head and the other telescoping within the keeper. Plungers engage opposite sides of the keys, holding keys on the bar midway between head and keeper. (Owner) Roy B. French, Superior, W. Va. Groups 31—72; 34—41; 39—81; 40. Reg. No. 16,235.

Vol. 618 • No. 2 Tuesday, January 11, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Pat. 2,449,353. DOOR LATCH. Patented Sept. 14, 1948. Door latch for garages, barns, and the like has a casing enclosing a latch bolt and an oscillating lever. Upper end

cessively released for free rotation to change into intermediate drive and then low speed drive. Once the clutches are released, they occasion no frictional drag on their sur-

Pat. 2,448,800. WINDOW SHADE. Patented Sept. 7, 1948. A window shade formed of a series of over-lapping vertical slats pivotally suspended from a toggle device is

Pat. 2,450,292. SOLE EDGE TRIMMER. Patented Sept. 28, 1948. Sole edge trimmer for shoe-finishing machines has a cutter guard which may be easily adjusted for use

Pat. 2,449,353. DOOR LATCH. Patented Sept. 14, 1948. Door latch for garages, barns, and the like has a casing enclosing a latch bolt and an oscillating lever. Upper end of lever is pivoted to center of latch bolt, and its lower end is rigidly secured to door knob shaft. A spring normally urges latch bolt outwardly, with an integral lug of lever limiting such outward movement. Turning knob pivots lever withdrawing latch bolt. (Owner) Robert E. Whitmore, Route 2, Keokuk, Iowa. Groups 33—59—73; 40. Reg. No. 16,236.

Pat. 2,451,091. KEY RING. Patented Oct. 12, 1948. Normally closed resilient split key ring carries an opening member suspended from ring so that keys may be applied or removed. Outer end of opening member is formed with a cam surface (or may carry cam wheel) and a stop. Opening member is used to force opposite sides of ring outwardly to separate and hold meeting ends of ring apart. The stop limits movement of opening member when maximum separation of the ends is achieved, and serves as an operating lever. Several modified forms of the operating member are shown. (Owner) Keith Whitaker Johnson, 2319 Roanoke Ave., Dallas 9, Tex. Groups 33—73; 40. Reg. No. 16,237.

Pat. 2,434,362. DEVICE FOR ATTACHING ANTISKID CHAINS TO VEHICLE WHEELS. Patented Jan. 13, 1948. Device for holding anti-skid chains on vehicle wheels is removably clamped to wheel. Four of the devices may be secured to and remain permanently on each wheel. Consists of a bracket having an integral tongue portion and a detachable yoke wedge. Bracket is placed on one side of wheel with tongue extending beneath rim to opposite side. Yoke wedge is placed on opposite side of wheel with its legs inserted through openings in bracket. Bracket and yoke head are clamped to wheel rim and upper edge of wheel disc by nuts on protruding ends of yoke legs. Opposite ends of anti-skid chain are provided with a hook and a flexible link for connection to body of bracket and end of tongue. (Owner) Benjamin D. Landes, 2859 Race St., Denver 5, Colo. Group 38—31. Reg. No. 16,238.

Pat. 2,404,305. RADIAL RECIPROCATING PISTON DEVICE. Patented July 16, 1946. Device is designed primarily for use as an oil pump, although it may be operated as a fluid motor when desired. It embodies a stationary cylinder block having an axial bore with a drive shaft in bore and a plurality of radial cylinders communicating with bore. The drive shaft acts as a single valve to control the flow of fluid into and out of the cylinders. Drive shaft is formed with an axial supply conduit and an axial discharge conduit, with ports in the conduits at their inner ends separated by shaft portions acting as rotating valves. All pistons are reciprocated by identical pitmans which form connecting rods between the pistons and eccentric surfaces of short shafts journaled in housing of device. Gears on these shafts all mesh with a single gear secured to drive shaft at one side of cylinder block. A cooling medium is circulated through housing and block and out through a port into supply conduit of drive shaft. When desired, this cooling medium may be circulated in a manner to cause device to operate as a fluid motor. (Owner) Anthony T. Logus, 5242 West 63rd Place, Chicago 38, Ill. Group 35—61. Reg. No. 16,239.

Pat. 2,046,468. AUTOMATIC VARIABLE SPEED MECHANISM AND BRAKE ELEMENT THEREFOR. Patented July 7, 1936. Transmission normally operates to drive a driven shaft through a pair of differential ring gears and pinions connecting driving and driven shaft until the load on driven shaft is increased above predetermined limits. During normal operation a pair of differential housings of transmission are restrained from rotating by spring clutches, which are releasable in response to predetermined torque. When the load successively increases above predetermined limits, the differential housings are successively released for free rotation to change into intermediate drive and then low speed drive. Once the clutches are released, they occasion no frictional drag on their surroundings. A lever may be manually set to one position to lock one differential housing against rotation so that normal drive will prevail at all times. The lever may be set in another position to lock transmission in intermediate drive so that the clutches act as brakes to limit the speed of the driven shaft regardless of whether it is being driven by or has a tendency to rotate driving shaft. (Owner) Mrs. A. C. Link, 1647 North Melvina Ave., Chicago 39, Ill. Groups 35—66; 38—31. Reg. No. 16,240.

Pat. 2,038,943. VALVE CONTROL. Patented Apr. 28, 1936. This patent shows a mixing valve for hot and cold water with a single control for varying proportions of the mixture and volume delivered. The control, enclosed in a casing, is connected to opposed ends of the valve stems of a pair of valves discharging through a common outlet. A pair of opposed bevel gears are slidably keyed on ends of valve stems. A pinion meshing with both gears is mounted on inner end of a control stem extending radially through one side of casing. Both valves may be opened same amount by partially revolving control casing. When both valves are open, proportions of mixture may be varied by rotating control stem. When both valves are closed, either valve may be opened and closed without disturbing the other by rotating control stem. (Owner) Mrs. A. C. Link, 1647 North Melvina Ave., Chicago 39, Ill. Group 33—61. Reg. No. 16,241.

Pat. 2,442,758. INJECTION APPARATUS. Patented June 8, 1948. A hypodermic injection apparatus for injecting a full and exact dose of medicament without risk of contamination. Consists of a disposable ampule and an applicator which snaps open to receive ampule. No operation of aspiration is required to fill the device, which is also capable of withdrawing a preliminary sample of body fluid. Ampule is transparent, may be factory sterilized, and is adapted to receive a hypodermic needle. The other end is provided with a flange for holding ampule rigidly in applicator. After insertion of ampule, applicator is snapped shut, and its plunger screws into a piston packaged in the ampule. Ampule projects free of the finger grip of applicator so its contents can be seen by person giving the hypodermic. (Owner) Creviston and Company, Inc., 5154 North Clark St., Chicago, Ill. Group 39—15. Reg. No. 16,242.

Pat. 2,041,929. ROOF CLEAT AND GUARD. Patented May 26, 1936. A combined cleat and gravel guard for protecting the usual felt drip of a gravel roof. A felt layer supported on the deck of roof overhangs the edge of roof to provide a drip. A layer of gravel combined with pitch is secured to the felt layer. A triangularly shaped cleat and gravel guard is secured to the deck adjacent the drip for securing the felt layer to deck and preventing gravel being washed over the drip into the gutter. Made in a standard size adaptable for application to edges of any roof. (Owner) Minnie Hitzman Klein, 3630 Flad Ave., St. Louis, Mo. Groups 29—32; 33—12—73; 34—31. Reg. No. 16,243.

Des. Pat. 150,533. SHORT DRESS BELT. Patented Aug. 17, 1948. (Owner) Lee Roy Baggett, Broadway Hotel, Benton, Ark. Group 23—83. Reg. No. 16,244.

Pat. 2,448,845. COLLAR CLASP. Patented Sept. 7, 1948. An adjustable collar clasp has a pair of overlapping strips of resilient material attached to a leaf spring and mounted in a channel-shaped connector. A knob on outer end of each strip engages the free end of a spring clip to hold edges of collar. (Owner) Theodore Thoreson, Lock Box 411, Wausau, Wis. Groups 39—71; 40. Reg. No. 16,245.

Pat. 2,448,800. WINDOW SHADE. Patented Sept. 7, 1948. A window shade formed of a series of over-lapping vertical slats pivotally suspended from a toggle device is movable horisontally by pull cords. Upper and lower edges of slats are connected by a tape or cord. A series of spaced knots are provided on one cord for engagement with a bracket on window casing for adjusting the shade. (Owner) W. A. Harju, Route 1, Box 9A, Mountain View, Calif. Group 25—63. Reg. No. 16,246.

Pat. 2,445,004. ELEVATING PLATFORM TRUCK. Patented July 13, 1948. This device shows a series of frames positioned between a base and storage platform. The frames form a lazy tongs arrangement which may be raised or lowered by the operation of gear-carrying rotatable shafts journaled in the base. A floor truck is provided when the base is set on wheels on which goods may be conveniently loaded and transported from place to place. The platform may be raised to any height within the limits of movement of the lazy tongs arrangement. Diagonal braces on all frames combine to provide a substantially rigid structure. (Co-owner) Frank M. Reynolds, 1304 Ardendale Ave., San Gabriel, Calif. Groups 35—63; 37—99. Reg. No. 16,247.

Pat. 2,444,979. TELESCOPING DRAWBAR. Patented July 13, 1948. Drawbar for coupling a trailer to a vehicle is composed of a pair of end members connected by a tube in which a pull bar is positioned. One of the end members has a rectangular chamber in which a pair of pivoted clamping arms are mounted. The pull bar includes a head with a portion slidable in the tube and an outwardly tapering portion having a cylindrical pilot received in the chamber. Each arm has an arc-shaped shoulder adapted to engage one face of the head. The clamping arms are urged into engagement with the head by the action of a spring-urged lever and cam arrangement associated with the clamping arms. (Co-owner) Frank M. Reynolds, 1304 Ardendale Ave., San Gabriel, Calif. Groups 35—69; 38—41. Reg. No. 16,248.

Pat. 2,437,448. HYDRAULIC TRANSMISSION. Patented Mar. 9, 1948. Hydraulic transmission of the jet reaction type consists of a casing which rotates with driving shaft and a rotor inside casing connected to driven shaft. The casing is spaced from periphery of rotor and is almost filled with fluid. The fluid flows through inlets into gear pumps disposed entirely within rotor and is discharged through curved radial passages to periphery of rotor in a general tangential direction. Pivoted pressure-operated valves in outer ends of passages control discharge of fluid from rotor and maintain substantially constant pressure in the passages regardless of the speed of or load on rotor. Rotor consists essentially of two end sections with three identical segmental sections arranged circumferentially between end sections of rotor. These inner sections are shaped so that when they are assembled they form chambers for the pumps (which consist of a sun gear and three planet gears) and discharge passages of rotor. Inlet passages communicating with pumps are drilled inwardly through these inner sections. (Owner) Scott V. E. Taylor, 1472 South High St., Columbus 7, Ohio. Groups 35—66; 38—31. Reg. No. 16,249.

Pat. 2,451,281. RETAINER AND DISPENSER FOR SANITARY TISSUES. Patented Oct. 12, 1948. Rack or frame into which a box of disposable tissues may be fitted is made from a single strand of wire, and shaped so that it does not interfere with the removal of the tissues from their original container. The frame comprises an intermediate portion which forms the bottom, side arches which constitute ends, front and top portions of the back. Eyelets may be formed in the strand to accommodate screws, or the free ends of the strand may be pointed to provide another means of mounting the rack. (Co-owner) H. L. Elfner, 2625 North Central Ave., Indianapolis, Ind. Groups 33—12; 40. Reg. No. 16,250.

Pat. 2,450,292. SOLE EDGE TRIMMER. Patented Sept. 28, 1948. Sole edge trimmer for shoe-finishing machines has a cutter guard which may be easily adjusted for use with trimmers of various sizes without using a tool. Inner end of the guard is threaded into one end of a sleeve. The flanged end of a tapered holding sleeve is slidably but non-rotatably telescoped within the other flanged end of the sleeve. A coil spring inside the non-tapered sleeve bears against guard and flanged end of tapered sleeve to maintain guard in adjusted position toward cutter. Tapered sleeve at its outer end is split longitudinally to form segmental clamping arms, which contract and tightly grip shaft of machine to hold the assembly in place when a clamping nut threaded on this sleeve is tightened. (Owner) Arthur C. Nelson, Alexandria, Minn. Group 35—59. Reg. No. 16,251.

Pat. 2,098,854. AUTOMOBILE THEFT PREVENTER. Patented Nov. 9, 1937. Device may be set in operative position to sound an alarm when an unauthorized person drives vehicle. A semi-circular casing closed at its open end by a disc houses a semi-circular bell, gearing, and a bell striker having radiating arms with pivoted bell clappers on free ends of arms. This whole assembly is mounted on a lever which carries a friction wheel to rotate striker. Device is mounted for swinging movement on a vehicle by pivotally mounting lower end of lever on stationary brake part, and connecting upper end of lever by a wire to push rod on dash. A spring urges lever rearwardly to normally maintain friction wheel out of contact with rotatable brake drum. When lever is pulled forwardly, friction wheel contacts brake drum for rotation therewith. (Owner) William H. Blaney, 5128 Zenith Ave. South, Minneapolis, Minn. Group 38—31. Reg. No. 16,252.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 16,253 through 16,603) are the balance of Schedule 6, Schedules 7 and 8, Groups 22; 26—24; 28; 35—52; 39—12.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 6—Continued

Patents Relating to the Use of Viscose Rayon Yarns

Pat. 1,902,871. Reenforced Vulcanized Rubber Articles and Process of Making the Same. Mar. 28, 1933. Undesulphurized viscose rayon threads are imbedded in vulcanized articles such as cord tires.

Pat. 2,067,667. Liner Cloth. Jan. 12, 1937. A rayon liner cloth of superior flexibility to that of Holland cloth for interleaving between sheets of milled rubber.

Pat. 2,099,178. Process and Apparatus for the Utilisation of Artificial Thread. Nov. 16, 1937. In knitting directly from spun cakes of artificial thread, the use of both furnisher rolls and a tension head, tension equalizers, and a suitable cake support.

Pat. 2,141,396. Artificial Cellulosic Structure. Dec. 27, 1938. The use of high tenacity viscose yarn in laundry and clothes pressing fabrics.

Pat. 2,149,091. Cellulosic Article. Feb. 28, 1939. The use of high tenacity rayon in the manufacture of sail cloth.

Pat. 2,178,759. Circular Knit Goods Comprising High Tenacity Rayon. Nov. 7, 1939. The use of fine denier high tenacity viscose yarn for sheer circular knit goods.

Pat. 2,232,532. Knit Fabric. Feb. 18, 1941. A novel

Pat. 2,011,227. Method of Treating Cellulosic Solu-

Pat. 2,072,738. Process of Stabilising Cellulose Xanthate. Mar. 2, 1937. Cellulose xanthate is stabilized

corporating a carbon disulfide derivative of deacetylated chitin in the spinning solution therefor.

Pat. 2,232,532. Knit Fabric. Feb. 18, 1941. A novelty knit fabric of abraded brushed filament nubby yarn in which the nubs all appear on one side of the fabric, giving depth thereto.

Pat. 2,337,986. Packing. Dec. 28, 1943. Use of continuous filament regenerated cellulose tow in the manufacture of packing for pumps.

Pat. 2,419,922. Method of Producing Reinforcing Elements. Apr. 29, 1947. Loss in strength of cords of regenerated cellulose, used for reinforcing rubber articles, during the operation of applying adhesive for the bonding of rubber thereto, is prevented by holding the cords under a tension of 0.015 to 0.1 gram per denier during the adhesive dipping operation.

Patents Relating to the Manufacture of Chemical Cellulose

Pat. 1,919,329. Purification of Cellulose. July 25, 1933. A process for producing a high alpha, low viscosity cellulose.

Pat. 1,931,933. Manufacture of High Alpha Cellulose Pulp. Oct. 24, 1933. Making high alpha cellulose pulp by countercurrent digestion of raw gramineous pith-free fiber in hot alkaline liquor until the pulp contains not less than 95 per cent alpha cellulose, and then washing.

Pat. 2,033,782. Cellulose Treatment. Mar. 10, 1936. Reducing the solution viscosity of cellulose by treating with a solution containing dilute mineral acid, removing excess acid, and drying.

Pat. 2,048,775. Purification of Cotton Linters. July 28, 1936. Purifying cotton linters by heating in dilute caustic solution containing a sodium salt of a sulfuric acid ester of a long chain saturated aliphatic alcohol.

Pat. 2,182,274. Preparation of Cellulose Pellets. Dec. 5, 1939. Preparation of small pellets of cellulose from a cellulose containing fibrous pulp slurry by depositing small platelets of pulp onto a forming screen, removing free liquid by suction, rolling the platelets into pellets and removing and drying.

Patents Relating to the Manufacture of Viscose, Including Viscose Additive Compositions

Pat. 1,931,239. Process of Producing Artificial Silk. Oct. 17, 1933. The preparation of a regenerated cellulose yarn, having an opaque luster resembling that of mother-of-pearl, by the spinning of viscose containing more than 7.5 per cent cellulose and possessing an index of 12 or more according to the Hottenroth or ammonium chloride scale.

Pat. 1,952,604. Viscose and Process of Producing Same. Mar. 27, 1934. A viscose solution, substantially free from insoluble particles which tend to clog spinneret holes, is prepared by adding thereto a small amount of a viscose solution made from cellulose xanthate containing a higher ratio of carbon bisulfide per unit of cellulose than used in the preparation of the first-mentioned viscose solution.

Pat. 1,956,034. Spinning Solution. Apr. 24, 1934. The use of creaming preventative to maintain a uniform dispersion of low luster inducing materials where the latter are incorporated into spinning solutions for the purpose of producing regenerated cellulose threads and the like possessing a subdued luster.

Pat. 1,999,043. Method of Steeping Cellulose and Steeping Press Therefor. Apr. 23, 1935. A V-shaped steeping press is used for the support and automatic alignment of rectangular cellulose sheets during their soaking in caustic soda solution for the production of alkali cellulose.

Pat. 2,009,110. Artificial Silk and Method of Producing Same. July 23, 1935. Artificial silk having a subdued luster is produced by incorporating both a pigment and an oil into the spinning solution therefor.

Pat. 2,011,227. Method of Treating Cellulosic Solutions. Aug. 13, 1935. Water soluble cyanides are added to viscose to retard the ripening rate thereof.

Pat. 2,012,232. Composition of Matter and Process of Producing Same. Aug. 20, 1935. Sodium pyrophosphate is used to produce a uniform dispersion of titanium dioxide in cellulosic solutions, as in the preparation of viscose solutions containing titanium dioxide for the spinning of yarns possessing a subdued luster.

Pat. 2,024,711. Shredder. Dec. 17, 1935. The corners of the hoppers of shredders, used for the comminution of alkali cellulose, are provided with rounded fillets which permit the use of larger sized charges, give improved shredding, and prevent pocketing of alkali cellulose.

Pat. 2,042,944. Method of Producing Rayon. June 2, 1936. Rayon of low luster is produced by spinning a cellulosic solution containing terpineol.

Pat. 2,060,210. Preparation of Dispersions. Nov. 10, 1936. Finely divided organic materials suitable for use in artificial silk spinning solutions to produce low luster yarns are prepared by a series of grinding and classification steps; slurries containing 25 to 30 per cent solid matter of which 90 per cent or more of the solid material is below 4 microns in diameter can be produced.

Pat. 2,069,773. Delustered Cellulosic Product and Method of Preparing Same. Feb. 9, 1937. Low luster cellulosic structures are produced from cellulosic solutions by the incorporation therein of a highly insoluble and difficultly saponifiable salt of a metal and an organic acid.

Pat. 2,069,774. Delustered Cellulosic Structure and Method for Preparing Same. Feb. 9, 1937. Low luster cellulosic structures are produced by incorporating a sulfone or a sulfoxide in the cellulosic solution from which the structure is produced.

Pat. 2,069,800. Cellulosic Structures. Feb. 9, 1937. Organic ethers of polyhydric alcohols containing at least three carbocyclic nuclei for use as delusterants in the spinning solutions for the production of cellulosic filaments having a subdued luster.

Pat. 2,069,801. Cellulosic Structures. Feb. 9, 1937. Organic ethers containing at least three carbocyclic nuclei are employed as delusterants for the production of cellulosic structures having a subdued luster.

Pat. 2,069,802. Cellulosic Structures. Feb. 9, 1937. Polynuclear derivatives of pyrane, such as methyl dinaphthoxanthene, are employed to impart subdued luster to cellulosic structures.

Pat. 2,069,803. Cellulosic Structures. Feb. 9, 1937. Heterocyclic organic compounds in which the heterocyclic nucleus is of the furane, thioxane, or dioxane class, are employed to impart subdued luster to cellulosic structures.

Pat. 2,069,804. Cellulosic Material and Method for Making Same. Feb. 9, 1937. Cellulosic structures possessing a subdued luster are produced by incorporating a substituted amide in the cellulosic solution from which the structure is prepared.

Pat. 2,069,805. Cellulosic Structures and Methods for Producing Same. Feb. 9, 1937. Cellulosic structures of subdued luster are produced by incorporating a polycyclic tertiary amine in the cellulosic solution from which the structure is prepared.

Pat. 2,069,806. Cellulosic Products and Method for Preparing Same. Feb. 9, 1937. Cellulosic structures of subdued luster are produced by incorporating a heterocyclic nitrogen compound having four or more cyclic nuclei highly deficient in hydrogen, in the cellulosic solution from which the structure is prepared.

Pat. 2,069,807. Cellulosic Substances and Method for Preparing Same. Feb. 9, 1937. Cellulosic structures having a subdued luster are prepared by incorporating a mixed heterocyclic compound having therein one or more cyclic nitrogen atoms and one or more cyclic atoms of the group consisting of oxygen, selenium and tellurium, in the cellulosic solution from which the structure is produced.

Pat. 2,072,738. Process of Stabilizing Cellulose Xanthate. Mar. 2, 1937. Cellulose xanthate is stabilized against decomposition by exposing to a current of warm air until the xanthate is substantially dry.

Pat. 2,077,699. Cellulosic Structures. Apr. 20, 1937. Cellulosic structures of subdued luster are produced by incorporating in the solution from which the structures are prepared a completely chlorinated aromatic hydrocarbon, such as hexachlorobenzene or octachlornaphthalene.

Pat. 2,077,700. Artificial Silk Having Subdued Luster. Apr. 20, 1937. Artificial silk of subdued luster is produced by incorporating decachlor diphenyl in the spinning solution therefor.

Pat. 2,087,016. Viscose Process and Apparatus. July 13, 1937. An apparatus of feeding viscose of a constant degree of maturity or ripeness to the product forming room comprises in combination a homogenizer and agitated tank through which the viscose is passed.

Pat. 2,089,606. Dispersion Method. Aug. 10, 1937. The method of preparing emulsions and dispersions with controlled particle size which comprises processing the material to be dispersed in a solution containing a dispersing agent to a particle size distribution such that a substantial proportion of the particles lie in the range of 0 to 4 microns in diameter, adding a precipitating agent, filtering said solution, and redispersing the residue with a peptizing agent.

Pat. 2,099,441. Cellulosic Product and Method for Preparing Same. Nov. 16, 1937. A cellulosic structure of subdued luster is produced by incorporating into the cellulosic solution therefor a ketone having two or more cyclic nuclei highly deficient in hydrogen and in which not more than one carboxyl group is present in a single nucleus.

Pat. 2,099,443. Valve. Nov. 16, 1937. A non-sticking, automatic, throttling or relief valve for regulation of the flow of viscous, gelable or sticky liquids, such as viscose.

Pat. 2,099,455. Cellulosic Article of Manufacture and Method for Preparing Same. Nov. 16, 1937. Cellulosic structures of subdued luster are produced by incorporating difficultly hydrolyzable ester in the cellulosic solution used for producing the structure.

Pat. 2,100,398. Regenerated Cellulose Structure and Method for Preparing Same. Nov. 30, 1937. Improved basic dyeing of rayon is obtained by the addition of the sodium salt of an alkyl sulfuric acid and similar substances to the viscose.

Pat. 2,107,668. Method of Producing Artificial Silk. Feb. 8, 1938. Producing delustered rayon by adding a vaporizable high boiling hydrocarbon to viscose and spinning the same.

Pat. 2,114,605. Cellulose Derivative Manufacture. Apr. 19, 1938. Preparation of alkali cellulose of improved physical characteristics such as small particle size and increased bulk by the steeping of cotton cellulose in caustic alkali solution containing up to 0.5 per cent of a wetting agent, such as the alkali metal salts of sulfuric acid esters of saturated aliphatic alcohols having 4 to 8 carbon atoms, phenols, cresols, xylenols and their homologs.

Pat. 2,157,544. Cellulosic Structure and Process for Preparing Same. May 9, 1939. Producing low luster cellulosic structures by incorporating in the spinning solution aromatic hydrocarbons having at least four cyclic nuclei.

Pat. 2,162,460. Viscose-Cellulose Ether Solution. June 13, 1939. Regenerated cellulose threads having greater affinity for direct dyes are prepared by incorporating up to five per cent of an alkali soluble cellulose ether, such as low substituted glycol cellulose or methyl cellulose, in the viscose spinning solution therefor.

Pat. 2,202,003. Cellulosic Product and Process for Producing Same. May 28, 1940. Cellulosic threads possessing greater affinity for acid dyestuffs are prepared by incorporating a carbon disulfide derivative of deacetylated chitin in the spinning solution therefor.

Pat. 2,211,931. Cellulosic Product and Process for Preparing Same. Aug. 20, 1940. Incorporating wax and a wax compatible resin in viscose to produce water repellent fibers and other cellulosic structures.

Pat. 2,224,693. Formation of Threads and the Like. Dec. 10, 1940. Regenerated cellulose threads having the dyeing characteristics, the hand, and the insulating properties of wool are produced by incorporating purified casein in the viscose spinning solution therefor, and spinning into a coagulation bath containing a high concentration of ammonium sulfate.

Pat. 2,253,140. Sheet Separating Apparatus. Aug. 19, 1941. An apparatus for automatic, continuous feeding of single sheets of cotton linters or wood pulp from a stack to a receiving means.

Pat. 2,292,901. Shredding Method and Apparatus. Aug. 11, 1942. A shredding apparatus for sheets or slabs of alkali cellulose comprising cylindrical toothed rollers rotating at a peripheral speed of 100,000 inches per minute.

Pat. 2,308,081. Separation Apparatus. Jan. 12, 1943. An apparatus for the continuous separation of the solid components from the liquid suspension medium of a slurry useful for producing a slab of alkali cellulose from a slurry of alkali cellulose in aqueous caustic soda solution.

Pat. 2,335,980. Process for Producing Water-Repellent Synthetic Textiles. Dec. 7, 1943. Preparation of water-repellent cellulose filaments by incorporating in the viscose certain quaternary ammonium compounds which decompose on heating to yield a "Zelan" type compound.

Pat. 2,355,057. Apparatus for Deaerating Viscose Compositions. Aug. 8, 1944. An apparatus for the continuous deaeration of viscose comprising a cylindrical evacuated tank provided with a means for continuously feeding viscose to a trough in the upper portion of the tank which distributes the viscose downward in the form of a thin film over the walls of the tank. Deaerated viscose collects at the bottom of the tank and is continuously withdrawn from the vacuum chamber.

Pat. 2,360,984. Screw Press. Oct. 24, 1944. A positive action screw press having a definite compression ratio between the inlet and outlet openings.

Pat. 2,364,392. Production of Alkali Metal Cellulose Xanthate. Dec. 5, 1944. A slurry of alkali cellulose in excess liquid carbon bisulfide is heated to form sodium cellulose xanthate.

Pat. 2,369,718. Concentration of Viscose. Feb. 20, 1945. The concentration of viscose solutions to produce solutions of high cellulose and high caustic content is accomplished by mixing therewith pyridene and decanting off the aqueous pyridene layer.

Pat. 2,371,052. Process and Products Therefrom. Mar. 6, 1945. Cellulosic structures, especially viscose rayon, of improved dyeing characteristics are produced by incorporating in the spinning solution therefor a condensation product of a maleic anhydride-olefin interpolymer which is capable of reacting with a diazonium salt.

Pat. 2,383,085. Material Feeding Apparatus. Aug. 21, 1945. An apparatus for use in the continuous feeding of cellulose sheets at a uniform rate to a receiving means; the equipment is especially adapted for use in the continuous production of alkali cellulose.

Pat. 2,392,269. Method and Apparatus for the Production of Alkali Cellulose. Jan. 1, 1946. Consistency meter to insure the formation of alkali cellulose of uniform composition in a continuous process.

Pat. 2,397,454. Polymeric Cellulose Structure and Process for Making Same. Mar. 26, 1946. Dyeings of improved fastness and uniformity for cellulosic structures, particularly viscose rayon threads, are obtained by incorporating in the spinning solution therefor a polymeric azo dye coupling agent.

Pat. 2,052,731. Apparatus for Production of Artificial

Pat. 2,265,646. Production of Regenerated Cellulose

Pat. 2,412,969. Spinning Process. Dec. 24, 1946. A process for producing a yarn of subdued luster capable of being dyed a dull black by spinning viscose containing a quaternary ammonium hydrexide into a fast acting coagulating bath, and subsequently regenerating the yarn.

Patents Relating to Spinnerets for Use in the Spinning of Artificial Filaments

Pat. 2,045,722. Manufacture of Thread. June 30, 1936. A spinneret having a large filtering area.

Pat. 2,258,073. Thread Production. Aug. 19, 1941. A vortex type spinneret adapter comprising a metal cup with cylindrical walls, an opening in said wall, and a supply conduit so positioned therein that the spinning solution will enter the adapter on a tangent to the inner wall.

Pat. 2,385,856. Large Rectangular Spinneret. Oct. 2, 1945. A rectangular spinneret comprising a spinneret adapter containing an approach chamber having the shape of a pyramid, the base of which is open, and one side of which is connected to an inlet port.

Patents Relating to the Spinning of Viscose Yarns

Pat. 1,930,516. Bucket Spinning Process. Oct. 17, 1933. In the production of artificial thread by the centrifugal or bucket spinning process, the employment of a bucket peripheral speed of 9100 feet per minute or above enables good cake formation to be obtained without necessitating the use of a bucket cover.

Pat. 1,935,787. Guide. Nov. 21, 1933. Rubber covered stationary hook guides are employed as a means for imparting uniform tension to threads in the coagulating bath in the process of producing artificial filaments by the wet spinning method, such as the viscose process.

Pat. 1,949,919. Method of Producing Artificial Threads. Mar. 6, 1934. A process for producing strong regenerated cellulose threads by spinning viscose prepared from cellulose xanthate having a relatively low ratio of carbon bisulfide per unit of cellulose, into a high acid bath.

Pat. 1,975,188. Bucket. Oct. 2, 1934. In the manufacture of viscose rayon wherein the yarn is collected in a rapidly rotating bucket, ventilation of the bucket compartments is improved by making the outside of the bucket larger in diameter at the bottom than at the top, causing the bucket thereby to act as a blower and force the saturated air in the compartment downward into a conventional ventilating duct.

Pat. 1,977,611. Guide Mechanism. Oct. 23, 1934. A roller guide having a frusto-conical body is employed to enable a thread to be wrapped one or more times, without riding of the thread on itself, about a feed wheel which constitutes a part of the stretch mechanism for the production of artificial filaments.

Pat. 1,984,853. Spinning Machine for Spinning Artificial Silk. Dec. 18, 1934. A stretch spinning process for producing cuprammonium cellulose yarn involving rotatable stretching members in the spinning bath operating at progressively increasing peripheral speeds from one member to another.

Pat. 1,986,433. Cover. Jan. 1, 1935. A bucket cover which is expansible by centrifugal force into sealing contact with the bucket walls, for use in the spinning of threads by the bucket process.

Pat. 1,986,434. Wringing Machine. Jan. 1, 1935. A centrifugal wringing machine to mechanically remove liquid from cakes of yarn, such as those produced by the bucket process of rayon manufacture.

Pat. 1,986,613. Process of and Apparatus for Spinning. Jan. 8, 1935. In the manufacture of rayon by the bucket process two threads are simultaneously introduced into the collecting bucket, one at the top and another through the bottom thereof, thereby producing two separate bucket cakes.

Pat. 1,988,490. Bucket Motor. Jan. 22, 1935. A hollow shafted motor adapted to receive a yarn collecting bucket as employed in the manufacture of rayon by the bucket process.

Pat. 1,990,556. Funnel. Feb. 12, 1935. A funnel thread guide of hard rubber having a porcelain facing and inserts for use in directing yarn into a rotating bucket yarn collecting device as used in the manufacture of rayon.

Pat. 1,994,472. Mechanical Motion and Its Use. Mar. 19, 1935. In the manufacture of rayon by the bucket process, a means for traversing both the yarn collecting bucket and the funnel thread guide with respect to one another for the purpose of forming and collecting a cake of yarn.

Pat. 1,996,864. Preparation of Thread. Apr. 9, 1935. A method of laying thread down on a bobbin in a sinuous path through the use of gears which may be elliptical. A soft yarn package readily permeable to treating fluids is produced.

Pat. 1,999,048. Manufacture of Thread. Apr. 23, 1935. A machine for making thread comprising an electric motor provided with an armature having a hollow core and an extension on said core to which a rotating yarn collecting bucket is fixed. A traversing funnel guide is operated through the hollow core of the electric motor and supplies freshly spun yarn to the collecting bucket.

Pat. 2,004,162. Bobbin Traverse Motion. June 11, 1935. Means are provided, involving the use of elliptical gears, to produce a traverse motion to give yarn packages having tapered ends. Yarn cakes of this type are easily washed and possess good winding characteristics.

Pat 2,006,960. Motor Mounting. July 2, 1935. In order to reduce vibration of spinning bucket motors used in the manufacture of viscose yarn, a cantilever type bracket of resilient construction is employed for mounting the motor.

Pat. 2,012,851. Bucket. Aug. 27, 1935. In order to provide a driving means capable of slipping while the driving member picks up speed and of providing a positive drive thereafter, as in the driving of a centrifugal bucket of the type used in rayon manufacture, a driving washer is attached to the bottom of the bucket adjacent to the driving means with which it is brought into contact by centrifugal action at high speeds of rotation.

Pat. 2,012,984. Apparatus for Tension Spinning. Sept. 3, 1935. Stretch spinning by means of two or more positively driven wheels together with a roller snubber guide under each wheel to enable a complete wrap of thread to be made around the wheel and to prevent the thread from tracking on itself.

Pat. 2,043,750. Processing Artificial Thread. June 9, 1936. In order to change the structure of rayon cakes produced by the bucket spinning process, so that they may be quickly purified by treating liquids, the cakes are mechanically worked and elongated by passing between pressure rollers, one of said rollers contacting the inner periphery and another the outer periphery of the cake.

Pat. 2,045,252. Bucket. June 23, 1936. A centrifugal bucket for washing cakes of yarn having a sloping ledge on which the cake rests and which will deflect the treating liquor up under the cake.

Pat. 2,045,708. Process and Apparatus for Production of Artificial Thread. June 30, 1936. In the manufacture of viscose rayon by the bucket process, crystal formation within the bucket compartment is prevented through regulating the humidity therein by means of refrigeration.

Pat. 2,045,717. Humidification. June 30, 1936. In the manufacture of viscose rayon by the bucket process, crystal formation within the bucket compartment resulting from evaporation of coagulating bath carried therein by the yarn is prevented by passing air from one compartment to another through grids moistened with water or coagulating bath.

Pat. 2,052,731. Apparatus for Production of Artificial Thread. Sept. 1, 1936. A funnel guide with thread contacting inserts mounted so as to be freely revolvable for the purpose of guiding a freshly formed artificial thread into a centrifugal spinning bucket.

Pat. 2,060,097. Method of Spinning Rayon. Nov. 10, 1936. A process for preparing viscose yarn by the bucket spinning process of uniform dyeing characteristics by progressively and simultaneously increasing the thread speed and the pump delivery.

Pat. 2,073,839. Manufacture of Thread. Mar. 16, 1937. In order to collect yarn in a bucket in the form of cakes which are more permeable to treating liquids and possessing other improved characteristics, an obliquely cut cylinder is held centrally and axially in the bucket to traverse the thread up and down.

Pat. 2,073,840. Spinning Bucket. Mar. 16, 1937. A spinning bucket, such as used in the manufacture of viscose yarn, is constructed with an imperforate liner permitting lateral drainage of the interior but provided with discharge of the drainage fluid in a direction other than lateral.

Pat. 2,083,251. Rotating Guide. June 8, 1937. As a means for applying a uniform and constant tension for stretching freshly formed artificial filaments, a thread driven rotor bath guide with vanes affixed to its back is employed.

Pat. 2,083,252. Method of Producing Artificial Thread. June 8, 1937. A method for preparing artificial threads of improved tenacity and elongation from viscose solutions by applying uniform tension without substantial sliding friction as a means for stretching the freshly extruded threads in the coagulating bath. Bath rollers and rotors of various types are employed as the tension applying means.

Pat. 2,098,620. Artificial Thread Treatment. Nov. 9, 1937. In order to improve the shrinkage uniformity of cakes of artificial yarn during drying, the outer surface of the package is covered with a moisture impermeable rubber sleeve.

Pat. 2,098,628. Artificial Thread and Process of Producing Same. Nov. 9, 1937. In the wet spinning process for the production of artificial silk, threads of high tenacity and high denier are produced by the use of a rotating vane guide having an attachment to induce a flow of coagulating bath across the filaments between the points where stretch is applied.

Pat. 2,098,633. Apparatus for the Production of Artificial Thread. Nov. 9, 1937. An imperforate centrifugal spinning bucket having a plurality of internal, axially extending grooves therein to permit the drainage of liquids therefrom.

Pat. 2,131,180. Thread Winding Apparatus. Sept. 27, 1938. A spinning bobbin chuck for removably mounting a bobbin or spool on a rotating spindle.

Pat. 2,133,715. Method of Producing Artificial Thread. Oct. 18, 1938. The use of roller bath guides in combination with a 45 per cent sulfuric acid bath for producing high tenacity viscose yarn.

Pat. 2,139,449. Method and Apparatus for Producing Artificial Thread. Dec. 6, 1938. The spinning and winding of a plurality of threads simultaneously as a single bobbin spin cake.

Pat. 2,218,461. Manufacture of Thread. Oct. 15, 1940. A yarn collecting bucket having a "cloverleaf" cross-section for the purpose of producing a cake of yarn having uniform characteristics.

Pat. 2,218,462. Manufacture of Thread. Oct. 15, 1940. A process for producing yarn to obtain uniform characteristics which comprises the formation and treatment of a bucket cake having a "cloverleaf" cross-section.

Pat. 2,244,492. Process and Apparatus for Yarn Winding. June 3, 1941. Method and apparatus for winding transfer tails on bobbin spinning packages.

Pat. 2,265,646. Production of Regenerated Cellulose Threads. Dec. 9, 1941. Viscose process yarn of high tenacity is prepared by the hot dip process using a short travel in an aqueous hot bath, which is held above 60° C., comprising sulfuric acid or normal coagulating bath.

Pat. 2,267,055. Production of Regenerated Cellulose Yarn. Dec. 23, 1941. Viscose process yarn of less than 1.0 denier per filament as made by the hot dip process.

Pat. 2,273,240. Production of Yarn. Feb. 17, 1942. Bath guide arrangement for tension spinning, employing roller guides which float on the bath surface when not in use, but submerge when in use.

Pat. 2,307,863. Spinning of Artificial Filaments. Jan. 12, 1943. Spinning process wherein the spinning bath immediately surrounding the spinneret is maintained at a higher temperature than the remainder of the bath.

Pat. 2,307,864. Method of Spinning Artificial Filaments. Jan. 12, 1943. Yarn is spun at high speed into a single bath maintained at a temperature above 60° C.

Pat. 2,324,437. Yarn Production. July 13, 1943. Avoiding substantial cratering of spinnerets while using a coagulating bath containing a high concentration of zinc sulfate by spinning a low caustic viscose thereinto.

Pat. 2,333,278. Yarn Apparatus. Nov. 2, 1943. The use of conical nip rolls in automatically controlling the rate and point at which a yarn is removed from a slowly moving conveyor belt.

Pat. 2,333,279. Yarn Handling. Nov. 2, 1943. The use of a snubbing tension device to automatically control the rate and point at which a yarn is removed from a slowly moving conveyor belt.

Pat. 2,340,611. Yarn Production. Feb. 1, 1944. A stationary rod for eliminating oscillation from the path of a freely descending yarn.

Pat. 2,345,601. Yarn Winding. Apr. 4, 1944. An improved mechanism comprising a single non-symmetrical cam, for activating the traverse guide of a bobbin spinning machine, and preventing the formation of shoulder ridges in the resulting yarn package.

Pat. 2,347,883. Production of Cellulosic Structures. May 2, 1944. A sulfuric acid spinning bath containing from 1 to 8 per cent manganous sulfate together with from 0.1 to 1 per cent zinc sulfate.

Pat. 2,347,884. Method of Producing Cellulosic Structures. May 2, 1944. A sulfuric acid spinning bath containing from 1 to 8 per cent chromic sulfate together with from 0.1 to 1 per cent zinc sulfate.

Pat. 2,350,182. Yarn Production. May 30, 1944. Method and apparatus for passing yarn in a helical manner about a pair of spaced rotating rollers.

Pat. 2,364,273. Production of Cellulosic Structures. Dec. 5, 1944. Sulfuric acid spinning baths containing from 1 to 10 per cent ferrous sulfate together with from 0.1 to 1.0 per cent zinc sulfate are employed for the production of high tenacity viscose rayon yarns.

Pat. 2,364,407. Yarn Production. Dec. 5, 1944. Reduction of cratering by reducing and maintaining reduced the concentration of lead and sulfide ions in the coagulating-regenerating bath.

Pat. 2,370,180. Yarn Forwarding Apparatus. Feb. 27, 1945. A simple, expedient method of stringing-up freshly formed viscose rayon yarn around successively larger steps of a stepped feed wheel whereon the yarn is subjected to stretch.

Pat. 2,395,136. Method and Apparatus for Yarn Processing. Feb. 19, 1946. A stream of liquid directed from a nozzle upon yarn held between the walls of a V-shaped groove as a device for guiding an advancing yarn.

Pat. 2,410,419. Snubber Roller. Nov. 5, 1946. An

Pat. 2,237,844. Method of Washing Threadlike Struc-

Pat. 2,038,789. Thread Winding and Treating Machine.

Pat. 2,223,914. Thread Production. Dec. 3, 1940. Tension fluctuations during winding are reduced by pass-

Pat. 2,410,419. Snubber Roller. Nov. 5, 1946. An improved snubber roller with a plurality of stepped thread-contacting portions constructed with a slight taper towards the front of the roller and a flanged portion in advance of each step.

Pat. 2,434,963. Yarn-Transfer Mechanism. Jan. 27, 1948. A device for transferring yarn from a high tension zone (rollers), to substantially a zero tension zone (belt) comprising a roller having a plurality of flippers which are moved at an accelerated speed at a certain position to free the yarn therefrom.

Pat. 2,434,964. Yarn-Transfer Mechanism. Jan. 27, 1948. A yarn transfer device for advancing yarn from a high tension level to a low tension level, as from draw rollers to a belt, which comprises a plurality of rollers mounted in a planetary system and automatic means for driving only the yarn contacting rollers while maintaining other rollers stationary whereby to permit easy removal of wraps.

Patents Relating to Methods and Equipment for the Purification of Viscose Rayon Yarns

Pat. 1,931,245. Process of Treating Artificial Thread. Oct. 17, 1933. Addition of sodium silicate to the hypochlorite solution, employed for the bleaching of viscose rayon, to prevent corrosion of the aluminum carriers on which the yarn is disposed during the bleaching treatment.

Pat. 1,931,266. Process of Treating Artificial Threads. Oct. 17, 1933. Addition of sodium cyanide to the alkaline solutions, employed for desulfuring viscose rayon, in order to inhibit corrosion of the aluminum carriers on which the yarn is disposed during the desulfuring treatment.

Pat. 1,979,929. Process of Treating Artificial Threads. Nov. 6, 1934. Tightly wound bobbins of freshly spun viscose rayon are washed acid free and dried, then desulfured by immersing the bobbin package in a treating solution for a time sufficient to remove sulfur, no additional operations being employed to induce flow of solution through the yarn package during the latter treatment.

Pat. 2,064,300. Manufacture of Artificial Thread. Dec. 15, 1936. Compact, centrifugally spun cakes of viscose rayon are bleached with a solution which does not appreciably swell the yarn, such as an aqueous chlorine solution having a pH between 1.0 and 8.0.

Pat. 2,094,579. Artificial Thread and Method of Preparing Same. Oct. 5, 1937. Centrifugally spun cakes of washed and purified viscose yarn are centrifugally wrung at high speed prior to drying, to improve quality, especially uniformity of shrinkage throughout the cake.

Pat. 2,112,827. Apparatus for the Production of Yarn Packages. Apr. 5, 1938. A cake wash and bleach machine for treating cakes by the drip method in which the driving mechanism is protected from the treating solutions by panels fixed to the carriers and forming a substantially continuous wall between the treating zone and the driving mechanisms.

Pat 2,116,210. Regenerated Cellulose Structures and Method for Preparing Same. May 3, 1938. In the bleaching of dense packages of viscose rayon by the use of chlorine water, the pH is controlled in the range of 2.0 to 4.0 for the purpose of eliminating discoloration of the water layers of the cake by lead compounds.

Pat. 2,122,290. Artificial Thread and Method for Preparing Same. June 28, 1938. Washed bobbins of viscose rayon yarn are given a preliminary drying, in which the outer layers of yarn are dried to a greater extent than the inner layers thereof, as an aid in the production of a yarn having uniform shrinking characteristics.

Pat. 2,123,689. Apparatus for Washing Artificial Threads. July 12, 1938. An improved bobbin wash spindle especially suited for holding large bobbins of viscose rayon yarn.

Pat. 2,237,844. Method of Washing Threadlike Structures. Apr. 8, 1941. The use of recirculated water in the washing of rayon spinning cakes.

Pat. 2,287,517. Yarn Processing Apparatus. June 23, 1942. A yarn storing and advancing reel.

Pat. 2,300,254. Yarn Production. Oct. 27, 1942. Bucket cakes are supported in a deep, tapered bucket during a centrifugal purification operation, the taper being such that as the cake shrinks and drops deeper into the bucket, it is supported in place only by side wall contact with the same.

Pat. 2,317,747. Yarn Processing Apparatus. Apr. 27, 1943. A yarn storing and advancing reel.

Pat. 2,340,577. Yarn Treatment. Feb. 1, 1944. Wet yarn is dried by being ballooned as it is continuously passed through a drying medium.

Pat. 2,420,537. Advancing Reel Threading Device. May 13, 1947. Apparatus for automatically threading yarn onto an advancing reel especially onto an enclosed reel such as might be used for steaming or otherwise treating yarn thereon.

Pat. 2,428,703. Yarn-Advancing Reel. Oct. 7, 1947. A yarn advancing reel wherein a rotatable valve arrangement is used to regulate movement of the bars pneumatically.

Pat. 2,428,704. Yarn-Advancing Reel. Oct. 7, 1947. A yarn advancing reel provided with pneumatic means for moving the yarn supporting bars radially.

Pat. 2,429,534. Yarn-Advancing Reel. Oct. 21, 1947. A yarn advancing reel having a sealed enclosure around the central shaft and cam with radial bars connecting the movable yarn contacting bars to the cam followers, with the radial bars slidably mounted in packed glands.

Pat 2,432,046. Yarn-Advancing Reel. Dec. 2, 1947. A yarn advancing reel wherein the movable yarn-supporting bars are maintained parallel with the fixed bars by means of ball and socket mountings affixed to skewed discs.

Pat. 2,435,430. Yarn-Advancing Reel. Feb. 3, 1948. A yarn advancing reel involving double face cams which effect a plurality of advancing cycles per revolution.

Patents Relating to Processing and Treating of Viscose Rayon Yarns

Pat. 1,981,885. Thread-Treating Device. Nov. 27, 1934. An oiling device for winding machines in which the thread is brought into contact with an oil coated roll. Uniform application of oil over a wide range of thread speeds, as in the winding of yarn onto a cone at constant spindle speed, is regulated by a compensating mechanism, actuated by surface contact with the cone, which changes the length of yarn contacting the oiler roll as the linear thread speed changes by continuously shifting the point of departure of the yarn from an oiler roll.

Pat. 2,004,153. Apparatus for Winding Thread on a Bobbin. June 11, 1935. A soft, liquid permeable yarn package is produced by use of a sponge rubber roll for surface driving a take-up bobbin on a throwing machine.

Pat. 2,015,392. Manufacture of Artificial Threads. Sept. 24, 1935. Shrinkage of bobbin process yarn is equalized by washing and drying a freshly spun bobbin package, rewinding to a second bobbin so that the yarn originally on the inside of the first package is now on the outside of the second, and then rewetting and drying the second bobbin package.

Pat. 2,017,242. Dressing Composition. Oct. 15, 1935. A coning oil composition comprising a phosphatide, such as lecithin, a mineral oil and a vegetable oil.

Pat. 2,038,789. Thread Winding and Treating Machine. Apr. 28, 1936. A roll-type oiler for regulating the quantity of oil applied to yarn during winding, wherein the thread is caused to wipe over a greater arc of the roll and at a decreasing angle to the axis of the roll as the linear speed of the thread increases.

Pat. 2,046,847. Method of Making Artificial Thread. July 7, 1936. A method for improving the uniformity of shrinkage of bobbin yarn which comprises throwing the washed yarn in the gel state so that it dries substantially during its travel from the spinning bobbin to a take-up bobbin.

Pat 2,054,280. Disintegration of Fibers. Sept. 15, 1936. A method of opening chips of rayon staple fibers which comprises blowing the aggregates at high velocity into contact with pin baffles inclined in the direction of flow.

Pat. 2,060,733. Process of Treating Cellulose and Derivatives Thereof. Nov. 10, 1936. Cellulosic fibers are stabilized against aging by treating with organic carbamates or thiocarbamates.

Pat. 2,080,043. Fabric and Process of Preparing Same. May 11, 1937. A crush resistant pile fabric comprising a formaldehyde treated regenerated cellulose pile and a backing which is substantially non-reactive to formaldehyde.

Pat. 2,086,418. Treatment of Cellulosic Bodies. July 6, 1937. Cellulosic materials are stabilized against aging by treatment with a polycyclic phenol having at least two non-condensed carbocyclic nuclei.

Pat. 2,086,419. Process of Treating Cellulosic Bodies. July 6, 1937. Cellulosic materials are stabilized against light, oxidative, hydrolytic and other deleterious effects by treatment with organic or inorganic thiocyanates.

Pat. 2,119,963. Package and Method of Producing Same. June 7, 1938. A yarn package adapted for direct mounting on a throwing spindle of an uptwister for the production of crepe yarn.

Pat. 2,126,000. Dressing Textile Threads. Aug. 9, 1938. An improved oiling composition for textile threads comprising at least 50 per cent unsubstituted napthenes in combination with one or more animal or vegetable oils.

Pat. 2,154,609. Artificial Thread Production. Apr. 18, 1939. An improved tensioning guide for the spinning of high tenacity staple rayon comprising a plurality of thread driven rollers.

Pat. 2,167,546. Skein Lacing. July 25, 1939. Skein lacings made of artificial staple fiber, especially useful for the lacing of fine denier rayon.

Pat. 2,170,024. Cellulose Esters and Method. Aug. 22, 1939. Crease-resistant cellulosic materials are obtained by treatment with dicarboxylic acids, dianhydrides or dichlorides.

Pat. 2,193,117. Thread Winding. Mar. 12, 1940. A method and means for automatically winding transfer tails on the end of cores or supports for yarn packages.

Pat. 2,211,954. Apparatus for the Production of Artificial Thread. Aug. 20, 1940. An apparatus for twisting and winding soft cakes of bobbin yarn wherein the take-up bobbin on an uptwister is driven by a roll pressing against its side with only enough pressure to prevent slip.

Pat. 2,217,766. Staple Cutting Apparatus. Oct. 15, 1940. Continuous filaments are cut into fibers of staple length by concurrently passing filaments and a liquid downward through a conduct, severing, the filaments by means of a flying knife cutter positioned at the lower end of the conduct and removing the cut filaments and liquid through a second and larger conduct positioned in axial alignment with the initial one.

Pat. 2,223,912. Thread Production. Dec. 3, 1940. A thread tensioning device of the pinching type.

Pat. 2,223,914. Thread Production. Dec. 3, 1940. Tension fluctuations during winding are reduced by passing yarn over a positively driven roller having a surface speed greater than that of the windup device and so arranged to permit yarn slippage thereon.

Pat. 2,223,923. Thread Production. Dec. 3, 1940. A process for winding yarn from cakes with substantial elimination of "shiners" which comprises reducing the total amount of snubbing angle between the cake and the cone.

Pat. 2,224,665. Production of Rayon Structures. Dec. 10, 1940. A beam package of untwisted high tenacity yarn, the yarn being sized to such an extent and with a suitable composition so as to bind the yarn filaments together during beaming while not interfering with good twisting and subsequent operations.

Pat. 2,232,542. Process for the Production of Artificial Thread. Feb. 18, 1941. The method of twisting and winding cakes of bobbin yarn on an uptwister whereby a uniformly soft-wound package adapted to be subjected to liquid purification is produced.

Pat. 2,265,624. Yarn Winding. Dec. 9, 1941. An apparatus for automatically stopping the action of a winding machine when a cone or other package of yarn being produced has reached a desired size.

Pat. 2,300,073. Yarn Winding. Oct. 27, 1942. An automatic transfer tail winding device for cone winding machines.

Pat. 2,311,027. Textile Treatment. Feb. 16, 1943. A crushproofing treatment wherein regenerated cellulose textiles are impregnated with formaldehyde and an acid reacting catalyst, dried, and then heated by immersion in a hot organic liquid bath having a basic reaction.

Pat. 2,311,080. Textile Treatment. Feb. 16, 1943. Crushproofing textile material by treatment with an aqueous solution of formaldehyde together with an acid reacting catalyst, drying, then heating by immersion in a hot, substantially anhydrous non-hydrolysable liquid.

Pat. 2,317,874. Yarn Winding Device. Apr. 27, 1943. A roll-type oiler for regulating the quantity of oil applied to yarn during winding, wherein the yarn is caused to balloon during removal from a supply package, then passed over the surface of an oiler roll and the magnitude of the balloon increased, allowing greater contact of the yarn with the oiler roll, as the linear speed of the yarn increases.

Pat. 2,324,584. Yarn Winding. July 20, 1943. Method of winding a plurality of yarns onto beam packages so that they may be unwound without entanglement of adjacent yarns or filaments thereof, which comprises winding a single yarn with a traverse from end to end of the beam between the layers formed by the plurality of yarns.

Pat. 2,325,147. Fiber Producing Apparatus. July 27, 1943. An apparatus for picking or tearing apart a blanket of fibers.

Pat. 2,328,541. Yarn Guide. Sept. 7, 1943. A quick-threading guide which is capable of confining the yarn under adverse conditions so that the yarn leaves the guide only when it has run through or has become broken.

Pat. 2,339,854. Tension Device for Yarn Winding Machines. Jan. 25, 1944. A pinch tension device with a corrugated back plate.

Pat. 2,350,168. Processing Yarn. May 30, 1944. Compensation stretching of package-spun yarn on a slasher to eliminate non-uniformities in physical properties, particularly elongation.

Pat. 2,357,079. Winding Apparatus. Aug. 29, 1944. A disc-type oiler for regulating the quantity of oil applied to yarn during winding, wherein the yarn is passed against the flat, end face of a disc rotating in an oil bath and the cord of contact of the yarn with the disc face is continuously increased as the speed of the yarn increases.

Pat. 2,360,946. Reinforced Rubber Structures. Oct.

Patents Relating to Protein Fibers

Pat. 1,905,188. Positive Photographic Film. Apr. 25, 1933. A multilayer film having a relatively insensitive

non-hardening bleach bath, re-developing an outer layer of said element without re-exposing the element, directly removing an inner silver salt image and printing a com-

Pat. 2,360,946. Reinforced Rubber Structures. Oct. 24, 1944. A non-resinous, non-polymeric tannin-amine reaction product as an adhesive for bonding rubber to tire cord.

Pat. 2,364,375. Yarn Production. Dec. 5, 1944. A yarn tensioning apparatus comprising a yarn driven roller which is held by spring tension against a felt pad and imparts tension to the yarn as it is passed around the roller.

Pat. 2,392,268. Thread Breaker. Jan. 1, 1946. A roll for holding and breaking the waste end of a yarn after it is tied into a web of yarns as in a continuous spinning process.

Pat. 2,406,768. Yarn Twisting Apparatus. Sept. 3, 1946. A bobbin cap, for use in uptwisting from spin bobbins, which automatically locks in place.

Pat. 2,410,807. Apparatus for Converting Tow to Top. Oct. 29, 1946. An apparatus for converting tow to top comprising knives affixed to the faller bars of a gill box in accordance with a predetermined pattern to cause severance of the filaments into predetermined lengths as the tow is passed therethrough.

Pat. 2,419,756. Process of Sizing Packages of Yarn. Apr. 29, 1947. A sized cake of viscose rayon yarn suitable for flat-knitting is obtained by treating a spun cake of yarn with an aqueous emulsion of waxy materials.

Patents Relating to the Production of Novelty Yarns

Pat. 2,133,322. Manufacture of Threads From Solutions of Materials. Oct. 18, 1938. Unevenly coated yarn, such as regenerated cellulose yarn, is produced by applying a coating to a preformed thread and allowing the coating to run back on the thread to form small beads or globular irregularities along the length thereof.

Pat. 2,161,034. Production of Textiles. June 6, 1939. A process for producing yarn, such as regenerated cellulose yarn, having high shrinkage characteristics by treating with a shrinking agent, such as a calcium chloride or potassium thiocyanate, while under tension.

Pat. 2,278,879. Yarn Structure and Method and Apparatus for Producing Same. Apr. 7, 1942. Process and apparatus for the production of a novelty yarn by cutting, tearing or breaking some of the filaments of a continuous filament yarn at spaced points and collecting the ends into nubs which are well anchored to the yarn body.

Pat. 2,293,003. Yarn Structure. Aug. 11, 1942. As a product, a nubby yarn produced by breaking some of the filaments of a continuous filament yarn at spaced intervals and collecting the ends into bunches which are well anchored to the yarn body.

Pat. 2,316,245. Yarn Preparation. Apr. 13, 1943. In an apparatus for forming a novelty yarn by breaking some of the filaments of a continuous filament yarn at spaced intervals and collecting the ends into nubs anchored to the yarn body, the device for anchoring the nubs to the yarn body comprises two resilient surfaces between which the yarn is traversed.

Pat. 2,328,074. Manufacture of Textile Yarn. Aug. 31, 1943. A novelty ripple yarn is produced by combining two or more gel yarns having different shrinkage characteristics and allowing them to dry.

Pat. 2,391,978. Apparatus for the Production of Artificial Filaments. Jan. 1, 1946. Producing uneven denier yarn with abrupt and irregular changes in nub formation by extruding a spinning solution through a geared valve mechanism that opens and closes at least 400 times per minute.

Pat. 2,392,349. Apparatus. Jan. 8, 1946. An apparatus for obtaining a variable speed drive from a constant speed input involving a planetary gear system, especially useful for variably driving a viscose spinning pump to produce uneven denier yarn.

Patents Relating to Protein Fibers

Pat. 2,143,023. Protein Derivative. Jan. 10, 1939. Acid soluble protein derivatives, which may be formed into films or filaments, are prepared by reacting zein or other proteins with an aldehyde or ketone and a primary or secondary amine.

Pat. 2,211,961. Artificial Product and Method for Producing Same. Aug. 20, 1940. Stretching a coagulated globular protein 200 to 2000 per cent in hot aqueous bath, such as a sodium chloride bath.

Pat. 2,399,084. Production of Shaped Structures From Proteins. Apr. 23, 1946. Protein solutions of improved stability and which lead to the production of shaped articles therefrom characterized by a reduced tendency to stick together are obtained by adding salts of synthetic linear polymeric acid, such as a hydrolysed interpolymer of maleic anhydride and vinylidene chloride, thereto.

Pat. 2,403,251. Production of Fibers From Proteins. July 2, 1946. A wetting agent, such as sodium dodecyl sulfate, is added as a solubilizing agent to casein solutions used for the preparation of artificial filaments.

Pat. 2,409,475. Shaped Protein Structures and Their Preparation. Oct. 15, 1946. High tenacity protein fibers are produced by spinning into a coagulating bath containing a mineral acid, in organic salts, and formaldehyde.

Pat. 2,429,214. Shaped Protein Structures and Their Preparation. Oct. 21, 1947. Prolamine synthetic fibers are prepared by spinning an alkaline solution of a prolamine into a bath containing a mineral acid, formaldehyde, a water soluble salt and a cation-active wetting agent and then subjecting to a hardening process.

Pat. 2,436,156. Preparation of Shaped Objects, Filaments, and the Like. Feb. 17, 1948. Alkaline spinning solutions of acid coagulated reduced wool containing sodium or ammonium hydroxide and the alkali metal salt of a polymeric carboxylic acid, such as sodium salt of a styrene-maleic acid interpolymer.

Patents Relating to Deacetylated Chitin

Pat. 2,040,880. Process for the Preparation of Films and Filaments and Products Thereof. May 19, 1936. Preparation of films and filaments from partially deacetylated but substantially undegraded chitin by forming the amine salt with an organic acid to effect solution and coagulating in the desired form employing a suitable bath.

Pat. 2,047,218. Compositions Comprising Deacetylated Chitin. July 14, 1936. Sizing of fabrics with deacetylated chitin.

Pat. 2,072,771. Chemical Products and Process of Preparing the Same. Mar. 2, 1937. The preparation of alkyl and alkyl substituted derivatives of deacetylated chitin wherein deacetylated chitin is reacted in acid, neutral or alkaline medium with an alkylating agent.

Pat. 2,099,363. Textile. Nov. 16, 1937. Textile finishes comprising deacetylated chitin and higher aliphatic anhydride emulsions.

SCHEDULE 7

Patents Relating to Color Photography

Pat. 1,900,459. Multipack Negative System. Mar. 7, 1933. In a multi-pack negative system, a front light sensitive emulsion having coated thereon a relatively thin, transparent, water-permeable, dyed colloid as a filter, and a rear emulsion having a like coating thereon which is undyed. The use of like colloids improves contact.

Pat. 1,900,468. Multipack Negative System. Mar. 7, 1933. A color separation negative material suitable for use in a multipack system, said negative material comprising a transparent support, a light sensitive emulsion upon said support, the emulsion having coated thereon a relatively thin, transparent, water permeable, gelatinous coating, having a light filtering dye mordanted therein.

Pat. 1,905,188. Positive Photographic Film. Apr. 25, 1933. A multilayer film having a relatively insensitive light-restraining fine-grained, silver halide layer, between two light-sensitive emulsion layers, to prevent light from passing through one sensitive layer into another.

Pat. 2,166,617. Photographic Processing. July 18, 1939. A process of fixing the outer image layer only of a photosensitive element for color photography having at least two superposed layers which comprises using an excessively viscous fixing bath containing 50 to 90% by weight of water soluble thiosulfates or thiocyanates.

Pat. 2,206,054. Method of Forming Color Screens. July 2, 1940. A color screen is formed by moving a photosensitized film past a high frequency intermittent narrow beam of light at an angle to the beam axis. The exposed element is developed and the lines formed are colored one color. The element is re-exposed in a similar manner at a different angle and the exposed lines colored a different color. A third color is formed by exposing the remaining sensitive material and coloring.

Pat. 2,220,929. Photographic Developing Solutions Containing Aromatic Hydrazines, Their Preparation and Use. Nov. 12, 1940. The preparation and use of a photographic developer formed by solubilizing a primary aromatic hydrazine in an aqueous solution of a long chain surface active polar compound containing a hydrophilic group and a hydrophobic group comprising a hydrocarbon group of 8 or more carbon atoms.

Pat. 2,224,163. Color Photography. Dec. 10, 1940. Individual color component records are produced by printing an intermediate record of a processed multilayer image record, fully bleaching the outer image layer of the multilayered image record, fixing and reforming the bleached record by re-exposing through said intermediate record and the remaining record of said multilayer image record.

Pat. 2,297,732. Photographic Color Process Involving the Formation of Azo Dye Images. Oct. 6, 1942. The process comprises exposing an element having at least one silver halide emulsion layer containing an immobile dye former capable of forming a dye by color development and an azo dye, said dye former being a colloid containing water and weak alkali solubilizing groups, color developing the exposed elements forming an azo dye and bleaching the color developed dye images.

Pat. 2,310,980. Reducing Bath for Color Photography and Process of Using the Same. Feb. 16, 1943. An aqueous reducing bath incapable of distinguishing between exposed and unexposed silver halides in reducing action containing an arylene diamino photographic developing agent and a water-soluble nitrogenous base free from negative and hydroxyl groups attached to carbon.

Pat. 2,310,981. Reversal Process of Color Photography. Feb. 16, 1943. The process of developing an exposed silver salt layer to a negative and developing the reversed image without re-exposure in the presence of a color former with reducing agent free of nuclear hydroxyl groups and an aliphatic amine free of negative and hydroxyl groups.

Pat. 2,310,982. Photographic Reversal Process of Producing Dye Images Without Re-Exposure. Feb. 16, 1943. Black and white reversal dyestuff images are obtained by developing an exposed silver salt layer to a negative and then developing the residual silver salt image without re-exposure in the presence of a black color former with a reducing agent free of nuclear hydroxyl groups and a nitrogenous base free of negative and hydroxyl groups.

Pat. 2,316,294. Process for Obtaining Individual Color Component Records From Multilayer Differentially Color Sensitised Film Element. Apr. 13, 1943. A process for obtaining individual color-component records from a multilayer differentially color sensitised film element containing developed component images which comprises printing an intermediate record of said superposed records, converting the silver images to silver salt images by using a non-hardening bleach bath, re-developing an outer layer of said element without re-exposing the element, directly removing an inner silver salt image and printing a combination of said intermediate record with the remaining images in said film.

Pat. 2,328,034. Photographic Element and Process. Aug. 31, 1943. A color-yielding element which comprises a water-permeable layer containing a dyestuff forming component is contacted with a separate element bearing a bleached silver image in the presence of a color-forming developing agent until a colored image is formed in the color element. The elements are separated and the color element is superimposed in register with similarly obtained elements to form a color print.

Pat. 2,335,972. Photographic Process and Composition. Dec. 7, 1943. The process of treating a photographic element containing bleached silver images in a bath containing a water-soluble reducing compound of sulfur or selenium capable of forming an insoluble silver compound image consisting of silver sulfide or silver selenide and treating the resulting image in a coloring and toning bath containing a water-soluble hydrocyanic acid salt and a water-soluble heavy metal salt which forms a yellow compound with the sulfides or selenides.

Pat. 2,339,213. Color Development Process Using Aromatic Hydrazines. Jan. 11, 1944. A process of color photography which comprises developing a photographic element having at least one layer containing reducible silver salts in a developing solution containing as the sole type of organic reducing agent a primary aromatic hydrazine in the presence of an azo coupling component to form a dye.

Pat. 2,342,620. Azo Reversal Process of Color Photography. Feb. 22, 1944. A photographic process which comprises exposing a multilayer photographic element, each layer being in operable contact with immobile color formers, developing the element in a developer having a color coupling developing agent treating the element with a diazotised 4-nitroaniline containing a 2-substituent, decolorising the dyes formed and removing the silver and silver salts subsequent to said development.

Pat. 2,365,206. Processes of Color Photography. Dec. 19, 1944. A photographic reversal process which comprises developing an exposed photographic element with an ordinary developer and developing without re-exposure the reversal silver halide image with a developer containing a primary aromatic amino developing agent, a color former and a heterocyclic amine.

Pat. 2,369,171. Methods of Photography. Feb. 13, 1945. In multilayer color yielding elements, colored image records are made by exposing and developing one layer and coloring by dye coupling or toning. The other layer is colored by coupling on imbibition contact with a separate photographic element bearing a color record comprised of a reducible silver salt in the presence of a color-forming developer.

Pat. 2,376,297. Process of Color Photography. May 15, 1945. To produce a positive dye image, a colloid layer containing a negative silver image and diffusely dyed with dyes which can be bleached or destroyed by reducing agents is treated with an aqueous solution of imino-aminomethanesulfinic acid which bleaches the dye in proportion to the silver image. The silver image is then bleached and removed.

Patents Relating to Photographic Sensitizing Dyes

Pat. 2,010,388. Photographic Emulsion. Aug. 6, 1935. A photographic emulsion which is sensitive to that region of the spectrum to which a silver bromide emulsion is normally sensitive but not to red light nor to any substantial extent to green light, said emulsion comprising silver chloride and a sensitising dye of the oxacarbocyanine group.

Pat. 2,272,163. Methine Dyestuffs. Feb. 3, 1942. A process for the production of merocyanine dyestuffs—com-

ing a thin layer of a compound taken from the group consisting of N-monoaryl-hydroxylamines and their nitrones

anti-halation layer composed of an alkali soluble resin

ortho-phenylenediamine, characterised in that said three compounds are present in molecular ratios of small whole

Pat. 2,272,163. Methine Dyestuffs. Feb. 3, 1942. A process for the production of merocyanine dyestuffs—comprising condensing a 5-membered ring containing nitrogen—adjacent to a carbonyl which is attached to an active methylene group in the presence of an anhydride of a monobasic organic carboxylic acid and an acid binding agent with quaternary salts of heterocyclic nitrogen compounds having a reactive methyl group in the alpha or gamma position to the nitrogen atom.

Pat. 2,310,640. Production of Compounds of the Cyanine Type. Feb. 9, 1943. Process for the production of dyes of the cyanine type consisting of forming the quaternary ammonium salt of an alpha or gamma alkyl thioether of a heterocyclic nitrogen base in the presence of a quaternary cyclic ammonium salt having a reactive methyl group. The resulting dyes are photographic sensitizers.

Patents Relating to Photographic Emulsion Additions, Modifications, Etc.

Pat. 2,090,607. Selective Desensitizer. Aug. 17, 1937. A gelatine-silver halide emulsion of reduced yellow-red sensitivity containing a purine in the approximate proportion of 50 milligrams to 3 grams per kilogram of gelatine and silver halide in said emulsion.

Pat. 2,112,217. Making Sensitized Elements. Mar. 22, 1938. X-ray sensitive elements are produced by incorporating in the silver halide emulsion from .015 to 1.5 grams of Pontacyl Fast Violet 10B, Crystal Violet, National Amaranth, National Azure, or National Nocturne per kilogram of emulsion. The resulting elements are unaffected by screen after glow while the sensitivity to X-rays and primary screen glow is unimpaired.

Pat. 2,197,809. Photographic Process and Emulsion Utilizing Cation-Active Surface Active Agents. Apr. 23, 1940. Cation-active surface-active agents including quaternary ammonium salts and particularly betaine compounds are claimed for use in emulsion layers, processing baths, or separate layers to improve the wetting characteristics of the emulsion and eliminate air bubbles.

Pat. 2,376,005. Photographic Emulsion and Process of Making Same. May 15, 1945. A process of flexibilizing photosensitive gelatin layers which comprises adding to a molten emulsion before coating an aqueous dispersion of a water-insoluble synthetic resin polymerized to the state of a soft gel-like solid.

Pat. 2,392,503. Temporary Support for Photographic Gelatin Layers and Method of Transferring Same to Permanent Supports. Jan. 8, 1946. A photosensitive emulsion transfer element composed of a paper support, a water insoluble prolamine interlayer and an emulsion layer. Upon wetting the back of the paper support after cementing the emulsion to a permanent support the paper retaining the prolamine layer readily separates from the emulsion layer.

Patent Relating to Non-Gelatin, Light-Sensitive Elements

Pat. 2,405,523. Light-Sensitive Photographic Compositions and Elements. Aug. 6, 1946. A coating composition comprising a water-miscible organic solvent having dissolved therein a water-insoluble resinous polyvinyl acetate free from hydroxyl groups and having a water absorption of at least 10%, a light sensitive diazonium salt, a diazo stabilizer, a diazo coupling component and not more than 10% of water.

Patent Relating to New Light Sensitive Compounds

Pat. 2,426,894. Light-Sensitive Layers of N-Monoaryl-hydroxylamines and Their Nitrones and Process of Printing Thereon. Sept. 2, 1947. The process which comprises printing a photographic image by means of light rays onto a radiation-sensitive element comprising a support bearing a thin layer of a compound taken from the group consisting of N-monoaryl-hydroxylamines and their nitrones and washing the undeveloped colorless compound from the layer with an aqueous solution.

Patents Relating to Film Base Compositions

Pat. 1,961,251. Reduction of Viscosity of Cellulose Acetate. June 5, 1934. The process of preparing a low viscosity cellulose acetate comprising acetylating cellulose at at least 30° C. and then hydrolysing at 50–70° C. for about 3¼ hours with a water ratio to original cellulose of substantially 10–100 and a sulphuric acid ratio to original cellulose of substantially 20–100.

Pat. 1,973,886. X-Ray Film. Sept. 18, 1934. An X-ray sensitive film for intensifying and clarifying the detail of the finished radiograph, said film having added thereto a permanent tint with a light transmission curve having a maximum transmission in the short-wave area and minimum transmission in the long-wave area of the visible spectrum.

Pat. 2,140,089. Moisture Proofed Film. Dec. 13, 1938. A transparent cellulosic film support having a moisture-proofing coating containing a material selected from the group consisting of the polymers and interpolymers of an alkyl methacrylate with di-butyl phthalate as plasticizer applied to both surfaces of said support; and a gelatino-silver halide emulsion applied over at least one of said moisture-proofing coats.

Patents Relating to Treatments for Improving Film Base

Pat. 1,947,160. Treating Photographic Film. Feb. 13, 1934. The method of cockle-proofing photographic film of cellulose acetate containing moisture repelling agents which comprise thoroughly and carefully drying the film, and subsequently applying to both sides thereof a relatively thin coating of a solution containing by weight not more than 10% nitrocellulose, and redrying.

Pat. 1,947,419. Treating Cellulose Esters. Feb. 13, 1934. The method of rapidly seasoning transparent film base containing cellulose acetate which includes the steps of bathing in methanol and subsequently drying said base under only enough tension to prevent wrinkling during said drying.

Patents Relating to Films With Non-Halation or Day-Light Loading Backings

Pat. 2,203,767. Antihalation Photographic Element. June 11, 1940. A film comprising a transparent support, a photosensitive coating on one side of the support and a layer coated on the other side of the support formed of a water soluble vinyl alcohol polymer which layer contains a water soluble sulfate of an aliphatic monohydric alcohol containing at least 8 carbon atoms and an antihalation dye. This film may be used in a daylight loading cartridge.

Pat. 2,203,768. Antihalation Photographic Element. June 11, 1940. A photographic film comprising a transparent support, a photosensitive layer on one side of the support, and a layer coated on the other side of the support formed of a water soluble carbohydrate glycollate which contains a water soluble sulfate of an aliphatic monohydric alcohol containing at least 8 carbon atoms and an antihalation dye. This film may be used in a daylight loading cartridge.

Pat. 2,258,609. Non-Halation Photographic Element. Oct. 14, 1941. A photographic film element comprising a light sensitive emulsion layer on the opposite face, consisting of a water-insoluble-ethyl cellulose which is soluble in water-ethanol mixtures predominating in the latter, and containing a dye.

Pat. 2,278,457. Non-Halation Photographic Element. Apr. 7, 1942. A non-halation photographic element comprising a light-transmitting support, a photosensitive layer on one face thereof, an anti-halation layer composed of a water-soluble glue and an anti-halation dye upon the other face and a protective layer superimposed upon said anti-halation layer composed of an alkali soluble resin containing about an equal amount of an anionic surface active substance.

Pat. 2,289,397. Photographic Element Having Removable Anti-Halation Layers. July 14, 1942. A photographic element comprising a transparent base, a gelatino silver halide emulsion on one side of the base and a removable anti-halation layer on the other side of the base composed of a water soluble high molecular weight binding agent and a dye having soap-like properties.

Patents Relating to Film Processing, Chemicals, Solutions, Etc.

Pat. 2,173,739. Fine-Grain Photography. Sept. 19, 1939. A fine-grained photographic image of low silver opacity and of normal printing opacity comprising a combined silver and dye image, said image being formed in situ with the silver image, the silver portion of said combined image being developed to a gamma not greater than approximately 0.5.

Pat. 2,195,405. Photographic Fixative Composition. Apr. 2, 1940. At least one compound taken from the group consisting of sulfamic acids, substances which readily yield sulfamic acids by hydrolysis in aqueous baths, and water soluble salts of sulfamic acids in a photographic fixing composition to inhibit sludging and sulfurization.

Pat. 2,195,419. Process for Reducing the Density of Silver Images and Compositions Therefor. Apr. 2, 1940. An aqueous photographic bleach bath comprising an oxidizing agent and a compound taken from the group consisting of sulfamic acids and their easily hydrolysable salts.

Pat. 2,214,216. Chemical Composition for Acid Hardening Photographic Fixing Baths. Sept. 10, 1940. A dry mixture of chemicals which when dissolved in water produces an acid hardening, non-sludging photographic fixing bath, including a silver halide solvent, a sulfite, and a dextro-gluconate material, particularly aluminum gluconate, which produces gluconic ions in a fixing bath.

Pat. 2,214,765. Process for Recovering Silver From Photographic Solutions. Sept. 17, 1940. A process of recovering precious metals from solutions of their salts which comprises treating the solutions with an organic hydrophilic colloid containing a finely divided metal which is higher in the electromotive series than the metal to be recovered.

Pat. 2,295,734. Photographic Fixative Composition Containing Boric Acid Esters of Polyhydric Alcohols of at Least Six Carbon Atoms. Sept. 15, 1942. A fixative composition comprising an aqueous solution containing a soluble thiosulfate fixing salt and at least one ester of a boric acid with a polyhydric alcohol having at least 6 carbon atoms and 6 hydroxyl groups as a stabilizer.

Pat. 2,315,534. Preparation of Ammonium Thiosulfates. Apr. 6, 1943. A process for preparing ammonium thiosulfate and amino-thiosulfates, which comprises treating an ammonium polysulfide with SO_2 in the presence of an excess of the hydroxide of the same ammonium group. High conc. of solution, higher yields and high purity are claimed.

Pat. 2,339,309. Photographic Reducing Composition and Process. Jan. 18, 1944. A reaction product of hydrogen peroxide with thiourea called amino-imino-methane sulfinic acid, formamidine sulfinic acid, or thiourea dioxide is capable of reducing silver salts in either an acid or an alkaline medium. In acid solution, the development is preferential. In basic solution, the reduction is complete, making possible reversal development. Redevelopment of a bleached image gives sepia tones through sulfide formation.

Pat. 2,368,255. Crystalline Ternary Addition Compounds. Jan. 30, 1945. As a new product the crystalline ternary addition compound of each of the three compounds, a polyhydroxy benzene, para-amino-phenol, and ortho-phenylenediamine, characterized in that said three compounds are present in molecular ratios of small whole numbers, said addition compound having a sharp melting point. The resulting compound is useful in photographic developers.

Pat. 2,397,676. Photographic Developer Compositions. Apr. 2, 1946. A process which comprises developing a silver halide latent image with a developer comprising the crystalline addition compound of each of the three compounds, a poly-hydroxy-benzene, a member of the group consisting of ortho-amino-phenols and para-amino-phenols, and an ortho-phenylene-diamine with hydrogen, a halogen, or an alkyl in the 4 position.

Patents Relating to Packages, Containers, Etc., for Photographic Materials

Pat. 1,962,959. Spooled Film. June 12, 1934. In combination, a curl-preventing, non-contaminating cinema reel for a camera magazine comprising a non-fogging, non-disintegrating smooth-surfaced, one piece, seasoned spool, integrally molded from a phenol formaldehyde resin, and a roll of light-sensitive cellulose ester cine film wound thereon.

Pat. 2,072,625. Reloadable Film Cartridge. Mar. 2, 1937. A light proof cartridge comprising a casing which will not spring open and provided with a light seal that acts as a brake to prevent accidental unwinding of the film. The cartridge is particularly adapted to 35 mm. miniature still cameras.

Pat. 2,082,257. Film Holder. June 1, 1937. A film package comprising an envelope formed of light weight material including an exposure wall and a back wall, a light guard separate and removable from the envelope, and a sheet of photographic film located in light-tight relation to the envelope and light guard and fixed against endwise movement.

Pat. 2,140,515. Holder for Sensitized Elements. Dec. 20, 1938. A cassette for photosensitive sheet film comprising a back member and a cover member one of which has a marginal elevation fitting a marginal depression in the other to bend a portion of the film out of the plane of the portion intended to receive the primary image exposure, and a closable aperture in the area of the marginal elevation to permit marking the film without fogging the image area.

Pat. 2,158,573. Non-Abrading Reloadable Cartridge. Apr. 11, 1939. A non-abrading reloadable photosensitive film cartridge comprising an unlined tubular casing provided with a straight longitudinal outwardly projecting slotted film guide having lips lined with light-excluding material; a removable and resealable cup-shaped cap sealed over each end of said casing; having portions covering and positioning the edges of the film guide and a flanged spool to rotate in light-excluding contact in the cartridge.

Pat. 2,173,505. Numbered Motion Picture Film. Sept. 19, 1939. A roll of cinema film comprising a film base; having on one side thereof, nonsmearing, permanently indelible, ink-printed marginal indicia; the other side of said base supporting an unexposed photosensitive emulsion unaffected by its close association with said indicia on said roll; and cinematic marginal perforations in said film in spaced relation to said indicia.

Pat. 2,188,690. Film Magazine. Jan. 30, 1940. A film magazine for a camera is constructed to receive for successive exposure a number of individual film packages or envelopes inserted in the magazine one at a time after each previously inserted film has been exposed; the several film packages being retained in the magazine until capacity is reached and the magazine removed in the dark room.

Pat. 2,327,713. Antistatic Photographic Package. Aug. 24, 1943. A package for photosensitized elements comprising a lightproof container at least one photosensitized element in said container having its photosensitive surfaces in contact with a surface of a felted, lightproof,

flexible, antistatic wrapping paper, the contacting surface of the paper surface being soft, resilient, non-abrasive, and of low physical density for reduced contact area.

Pat. 2,335,766. Package of Coiled Photographic Film. Nov. 30, 1943. A coil of film is loosely mounted on a floating sheet of substantially rigid material which has a hub portion which extends into the aperture at the center of the coil. The sheet has a greater diameter than that of the film coil and fits snugly into the outer container or film can, but can be removed therefrom.

Pat. 2,354,706. Photographic Package. Aug. 1, 1944. A lightproof box for photosensitive materials having a hinged cover fitting into a peripheral channel around three sides of the box to form a light lock. A tape sealing the lid to the box and a rip cord for rupturing the tape.

Patents Relating to Apparatus, Equipment, Etc., for Manufacturing or Processing Photographic Materials

Pat. 1,897,621. Cassette. Feb. 14, 1933. A cassette for screened X-ray exposures comprising an open frame, front and rear cover plates adapted to be held in said frame by edge pressure only and having interlocking edges for properly spacing said plates.

Pat. 1,898,858. Wrapping Machine. Feb. 21, 1933. A combined wrapping, taping and tape-severing machine for wrapping and sealing rolls of light sensitive film. Wrapping material is placed on the flat surfaces of the cylindrical roll. The sheets are crimped around the periphery and sealed together with tape.

Pat. 1,947,462. Method of Making Casting Wheels. Feb. 20, 1934. The method of making a wheel for casting film which includes preparing a wheel body, applying to said body, a non-continuous peripheral sheet of corrosion resisting steel, heating the sheet to expand it, welding the ends of the sheet together to form a continuous surface, and simultaneously locking the sheet to the wheel body, cooling the sheet to shrink it onto the wheel body, and then finishing surfaces of said sheet to render it suitable for casting film.

Pat. 1,987,387. Film Tinting Machine. Jan. 8, 1935. A machine for tinting a motion picture film in a stripe, the width of the picture space, leaving sufficiently clear untinted space between the picture space and the perforation to permit the photography of the sound track on the clear untinted space.

Pat. 2,051,222. Moisture Applying Machine. Aug. 18, 1936. A moisture applying machine, including a rotatable roll the outer surface of which is formed of resilient material such as soft rubber, the outer surface of which is annularly grooved, and a reservoir or container for applying liquid to the roll, mechanism for moving a sheet past said roll in contact therewith, and means such as a pressure roll to vary the amount of liquid carried by the moisture roll.

Pat. 2,058,670. Casting Wheel. Oct. 27, 1936. A wheel for casting films from solutions containing cellulose derivatives, that comprises a wheel body having mechanically attached thereto a peripheral integral casting element of substantial thickness composed principally of non-flaking corrosion resisting steel, said wheel body and said casting element having substantially the same coefficient of expansion.

Pat. 2,140,525. Method of Inscribing Photographic Elements. Dec. 30, 1938. The method of recording inscriptions on a photosensitized element that includes the steps of writing on an uncovered portion of said element; exposing said uncovered portion to a fogging illumination; taking a picture on the covered portion of said element; and subsequently developing and finishing said element.

Pat. 2,162,178. X-Ray Shielding Compound. June 13, 1939. An X-ray shielding compound plastic at room temperature comprising a mixture of a vinyl polymer, copolymer or interpolymer, a plasticiser and a metallic powder such as lead powder or litharge.

Pat. 2,166,051. Method of Manufacturing Continuous Coated Sheets of Paper, Film, or the Like. Aug. 1, 1939. A process of reducing the drying time of a continuous sheet coated with aqueous light sensitive material by applying concentrated liquid alcohol to harden the coating and extract part of the water and removing the surface liquid by pressure.

Pat. 2,265,571. Color Filter for Photographic Safelight Lamp. Dec. 9, 1941. A photographic safelight lamp color filter composed of dyed plastic material and having a grooved edge around the periphery to form a flange overlapping or interlocking with the lamp-housing to prevent light leaks.

Pat. 2,290,767. Fluoroscopes. July 21, 1942. A portable fluoroscope to be supported by the head of an individual combining an X-ray shielding face piece and a viewing aperture therein to hold a fluorescent screen.

Pat. 2,316,845. Method of Chilling Photographic Emulsions. Apr. 20, 1943. The method which consists in rapidly, uniformly, and progressively chilling a molten photographic emulsion containing water, gelatin and silver halides by forcing it under pressure in a thin film through a cooling chamber while stirring the emulsion and maintaining its temperature and rate of travel to prevent freezing the water in the emulsion.

Pat. 2,356,668. Photographic Filter Holder. Aug. 22, 1944. A combination package for a series of light-filters so constructed as to be convertible to a filter holder and having gripping means for attachment to the lens tube of an enlarger, etc.

Pat. 2,356,694. Optical Filter and Method of Producing Same. Aug. 22, 1944. A photographic filter for obtaining uniform densities on exposure through a wide angle lens. The filter is of clear material of uniform index of refraction and thickness throughout and imprinted with light screening material of uniform density in a pattern having a circular central portion and outwardly tapering symmetrically arranged radiating portions.

Pat. 2,392,502. Apparatus for Making Photographic Prints on Variable Contrast Light-Sensitive Material. Jan. 8, 1946. A two-color light filter having a checkerboard color arrangement and having a shutter composed of an equally sized checkerboard pattern of transparent and opaque areas in slideable relationship therewith to vary the ratio of the two colors.

SCHEDULE 8

Patents Relating to Colored Pigments

Pat. 1,993,971. Quinone-Oxime Pigments. Mar. 12, 1935. Green lake pigments, particularly of nitroso-betanaphthol.

Pat. 2,013,074. Organic Coloring Materials Comprising an Azo Compound and Oxidized Rosin as a Substratum. Sept. 3, 1935. Developing pigment in presence of insoluble salt of an oxidized rosin.

Pat. 2,013,075. Organic Coloring Materials Comprising an Azo Compound and an Arylated Rosin as the Substratum. Sept. 3, 1935. Developing pigment in presence of an insoluble salt of an arylated rosin.

Pat. 2,013,076. Organic Coloring Materials Comprising an Azo Compound and Chlorinated Rosin as a Substratum. Sept. 3, 1935. Developing pigment in presence of an insoluable salt of a chlorinated rosin.

Pat. 2,013,077. Organic Coloring Materials Comprising an Azo Compound and Nitro Rosin as a Substratum. Sept. 3, 1935. Developing color in presence of an insoluble salt of a nitrated rosin.

Pat. 2,013,084. Organic Coloring Materials Comprising Azo Compounds and Sulfonated Derivatives of Pyrogenic Decomposition Products of Rosin. Sept. 3, 1935. Developing color in presence of sulfonated derivative of a pyrogenic decomposition product of rosin.

Pat. 2,013,090. Organic Coloring Material Comprising Azo Compound and Hydrogenated Rosins. Sept. 3, 1935. Developing color in presence of insoluble salt of hydrogenated resin.

Pat. 2,013,091. Organic Coloring Material Comprising an Azo Compound and a Petroleum Sulfonate as the Substratum. Sept. 3, 1935. Developing color in presence of insoluble salt of a sulfonated petroleum.

Pat. 2,013,092. Organic Coloring Material Comprising an Azo Compound and a Naphthenate as a Substratum. Sept. 3, 1935. Developing color in presence of an insoluble naphthenate.

Pat. 2,013,099. Organic Coloring Material Comprising an Azo Compound and Natural Gums and Balsams as a Substratum. Sept. 3, 1935. Developing color in presence of a soap of a natural gum.

Pat. 2,013,100. Azo Lakes and Pigments. Sept. 3, 1935. Developing color in presence of a soap of liquid styrax.

Pat. 2,062,159. Dispersible Carbon Blacks. Nov. 24, 1936. Carbon black containing from 1–10% of adsorbed metal naphthenate to improve color, luster and gloss.

Pat. 2,092,750. Processes of Making Green Pigment. Sept. 14, 1937. Incorporating an insoluble heavy metal compound of a dispersing agent in nitroso-beta-naphthol to improve softness of pigment.

Pat. 2,117,860. Colored Rubber Products. May 17, 1938. Light-fast, colored rubber product containing lake of the azo from coupling diazotised 2-chlor-4-amino-1-toluene-5-sulfonic acid with 2-naphthol-3-carboxylic acid.

Pat. 2,127,874. Process of Making Nitroso-Beta-Naphthol Pigments. Aug. 16, 1938. Green pigment from reaction of nitroso-beta-naphthol with a ferrous salt of a polycarboxylic or hydroxy carboxylic acid in certain proportions.

Pat. 2,139,753. Lead Chromate Pigments and Process for Producing Same. Dec. 13, 1938. Treatment of lead chromate pigment with an inorganic reducing agent, particularly a metal sulfide or stannous halide or sulfate for purposes of restraining crystal growth.

Pat. 2,153,515. Processes of Preparing Pigment in Organic Vehicle Compositions Useful for Making Coating Compositions. Apr. 4, 1939. Transferring pigment from aqueous medium to organic vehicle by subjecting to hydraulic shearing action, such as passage through a colloid mill and in the absence of agents to assist the transfer.

Pat. 2,168,888. Azo Pigment Production. Aug. 8, 1939. Lake pigment containing metallic rosinate and precipitated in presence of a sulfate of a higher aliphatic alcohol.

Pat. 2,173,699. Liquid Coating Compositions and Lakes Therefor. Sept. 19, 1939. Printing ink and color lake, e. g., phthalocyanines, the latter containing a metallic resinate.

Pat. 2,173,920. Azo Dyestuff and Process for Making Same. Sept. 26, 1939. Maroon azo color consisting of diazotized meta-nitro-para anisidine coupled with beta-naphthol.

Pat. 2,187,108. Process of Purifying Lead Nitrate Solutions. Jan. 16, 1940. Reacting lead nitrate solution with a soluble ferrocyanide to precipitate copper impurity.

Pat. 2,192,955. The Use of Amines With Pigments. Mar. 12, 1940. A free-flowing, non-livering pigment comprising a phosphotungstic acid toner and an amine.

Pat. 2,195,258. Production of Color Lakes. Mar. 26, 1940. Improving strength and light-fastness of pigments from basic dyes by completely or partially substituting for the tungstates or molybdates present in a complex phospho-heteropoly acid precipitant, vanadium, columbium, or tantalum.

Pat. 2,212,917. Inorganic Chrome Pigment Production. Aug. 27, 1940. Titanium or zirconium hydrous oxide treatment of lead chromate.

Pat. 2,212,956. Azo Dyestuffs and Process for Producing Same. Aug. 27, 1940. Maroon pigment consisting of diazotised 3-nitro-4-amino anisol combined with the meta nitranilide of 2-hydroxy-3-naphthoic acid.

Pat. 2,213,546. Colored Pigment. Sept. 3, 1940. Yellow light-fast lead cyanamid pigment.

Pat. 2,225,664. Coating Composition. Dec. 24, 1940. Maroon coating containing manganese salt of azo formed by coupling diazotised alpha-naphthylamine with 1-naphthol-5-sulfonic acid.

Pat. 2,225,665. Azo Pigment and Coating Composition Containing the Same. Dec. 24, 1940. Manganese salts of Red 2B.

Pat. 2,237,768. Production of Azo Colors. Apr. 8, 1941. Preparation of azo dye pigments by separately preparing the accessory intermediate and adding to a component of the principal coupling as a completely-formed dye.

Pat. 2,259,641. A Nitroso-Beta-Naphthol Iron Pigment and a Process of Making It. Oct. 21, 1941. Treating pigment with colorless organic amine to impart dry soft-textured characteristics thereto.

Pat. 2,294,381. Treatment of Pigments With Ammonium Naphthenate. Sept. 1, 1942. Improving pigment (iron blue) texture by mixing small amount of ammonium naphthenate with aqueous pigment suspension.

Pat. 2,365,171. Lead Chromate Pigment Production. Dec. 19, 1944. Treating lead chromate with small amount of hydrous oxides of aluminum and titanium, together with a hydrous oxide of a rare earth metal to improve pigment light-fastness.

Pat. 2,387,528. Basic Alkaline Earth Chromito Chromate Pigment and Method of Making. Oct. 23, 1945. Intimate mixture of controlled amounts of an alkaline earth chromate and an alkaline earth compound heat-decomposable to the oxide ground to a pigment particle size state of subdivision.

Pat. 2,406,472. Manufacture of Cadmium Yellow Pigments. Aug. 27, 1946. Precipitating cadmium sulfide in presence of suspended, insoluble zinc compound, such as zinc sulfide, raw lithopone.

Pat. 2,410,187. Coating Composition. Oct. 29, 1946. Metal-protective calcium chromate-pigmented coating composition, the vehicle therefor being an alkyd or a phenol-phenol-formaldehyde resin having a specific water-impermeability value.

Pat. 2,416,064. Chromite Ore Pigment. Feb. 18, 1947. A disintegrated black pigment composition comprising the calcined reaction product of a mixture consisting of chromite ore and an alkaline earth compound heat-decomposable to the oxide in the ratio between 50/50 and 60/40.

Pat. 2,419,017. Metal Protective Pigment. Apr. 15, 1947. Metal protective pigment composition consisting of a mixture of ammonium ferrous phosphate and zinc yellow, the former being in an amount ranging from 5–30% by weight of the total pigmenting ingredients.

Pat. 2,419,027. Production of Cadmium Seleno-Cyanide. Apr. 15, 1947. Precipitated cadmium selene cyanide compound containing 2 atoms of selenium for each atom of cadmium and process for preparing cadmium selenocyanide by dissolving selenium in a solution of an inorganic cyanide salt and reacting the resulting solution with a solution of a soluble cadmium salt.

Pat. 2,419,094. Chromite Ore Pigment. Apr. 15, 1947. Chromium-containing pigment composition and method for preparing same comprising the disintegrated reaction product of a calcined mixture of a chromite ore, an alkaline earth metal compound, and from 5–50% on the pigment basis of an added phosphate, particularly calcium phosphate.

Pat. 2,430,589. Light-Stable Calcium Chromate Pigment. Nov. 11, 1947. Calcium chromate containing from 3–15% of a colored water-insoluble trivalent metal oxide, particularly chromic oxide.

Patents Relating to Zinc Sulfide White Pigments

Pat. 1,906,074. Processes for the Production of Zinc Salt Solutions. Apr. 15, 1933. Dissolving zinc content of oxydic zinciferous material by regulated addition of acid (sulfuric) with acid concentration in suspension not exceeding 2%.

Pat. 1,912,332. Recovery of Zinc Compounds From Technical Zinc Liquors. May 30, 1933. Precipitating a zinc oxysulfate by addition of a basic alkaline earth metal compound.

Pat. 1,936,849. Process of Making Barium Salts. Nov. 28, 1933. Reacting aqueous barium sulfide solution with calcium chloride in an amount less than that equivalent to barium sulfide.

Pat. 1,949,925. Pigments and Process for Making Same. Mar. 6, 1934. Passing calcined lithopone through colloid mill and adding small amount of sodium silicate thereto.

Pat. 1,977,583. Methods of Producing Zinc Sulphide Pigments and Products Thereof. Oct. 16, 1934. Heat and pressure treatment of lithopone.

Pat. 2,016,536. Processes of Producing Lithopones of Low Oil Absorption. Oct. 8, 1935. Calcining lithopone in presence of an alkali metal sulfate.

Pat. 2,016,537. Calcium Sulphate-Zinc Sulphide Pigments. Oct. 8, 1935. Co-precipitating zinc sulfide and calcium sulfate by reacting zinc sulfate with calcium hydrosulfide and neutralizing free acid formed in the reaction.

Pat. 2,111,137. Calcium Sulphate-Zinc Sulfide Pigments. Mar. 15, 1938. Calcium sulphate-zinc sulphide pigment containing small amount of zinc oxide.

Pat. 2,111,236. Recovery of Barium From Black Ash Residues. Mar. 15, 1938. Calcining black ash residue in presence of steam to convert its acid-insoluble barium values to acid-soluble form.

Pat. 2,112,357. Process of Making Calcium Sulfate-Zinc Sulfid Pigments. Mar. 29, 1938. Rapid strike and handling of reactants, i. e., mixing solutions and completing formation of precipitate in less than 5 minutes.

Pat. 2,113,381. Extended Zinc Pigments. Apr. 5, 1938. Non-coalesced composite zinc pigment and a difficultly water-soluble fluorine compound extender having a refractive index less than 1.44.

Pat. 2,123,698. Calcium Sulfate-Zinc Sulfide Pigments. July 12, 1938. Maintaining excess of zinc sulfate and sulfuric acid in reaction mixture at end of precipitation.

Pat. 2,163,388. Treatment of Barytes. June 20, 1939. Washing barytes ore prior to reduction with inorganic acid.

Pat. 2,166,230. Tinted Pigments and Process for Producing Same. July 18, 1939. Tinted zinc sulfide pigment coalesced with colored metal sulfide.

Pat. 2,173,895. Process for Producing Sulphide Pigments. Sept. 26, 1939. Producing zinc, cadmium, and antimony sulfide pigments by reaction with an alkaline earth metal thiosulfate.

Pat. 2,173,912. Barium Hydroxide Production. Sept. 26, 1939. Pure barium hydroxide production by reacting barium sulfide with zinc oxide under superatmospheric pressures and temperatures.

Pat. 2,175,273. Cyclic Process for Making Zinc Sulphide Pigment. Oct. 10, 1939. Recovering zinc from ammoniacal solution by adding to such solution sulfur compounds capable of precipitating zinc as sulfide.

Pat. 2,177,251. Process for Producing Blended Pigments. Oct. 24, 1939. Producing composite pigment by mixing zinc sulfide with hydrated calcium sulfate and subjecting mixture to shearing action, followed by dehydration treatment.

Pat. 2,178,334. Water Dispersing Zinc Sulfide Pigment. Oct. 31, 1939. Treating pigment with small amount of an alkali metal pyrophosphate.

Pat. 2,186,095. Pigment Process. Jan. 9, 1940. Hydro-separating zinc sulfide pigment and wet grinding in presence of small amount of an alkali metal pyrophosphate.

Pat. 2,187,130. Treated Pigment and Process for Producing Same. Jan. 16, 1940. Rendering zinc sulfide pigments stain-resistant by incorporating therein a small amount of a thiocyanate, thiosulfate, or xanthate.

Pat. 2,213,555. Process for Producing Calcium Sulfate-Zinc Sulfide Pigments. Sept. 3, 1940. Reacting zinc sulfate solution with solution containing ammonium sulfide and calcium salt.

Pat. 2,229,130. Process for Making Luminescent Zinc Pigments. Jan. 21, 1941. Calcining zinc pigment in presence of a compound of copper.

Pat. 2,248,632. Lithopone and Process of Producing Same. July 8, 1941. Introducing barium sulfide and zinc sulfate solutions at separated points in reaction vessel to provide one or more zones of excess barium sulfide and zinc sulfate and repeatedly circulating precipitated crude lithopone through said zones.

Pat. 2,261,177. Zinc Sulphide Pigment. Nov. 4, 1941. Treating calcined pigment with protective agent such as hydrate aluminum oxide to inhibit yellowing or darkening.

Pat. 2,296,638. High Surface Hiding Pigment Materials and Process of Making Same. Sept. 22, 1942. Mixing with an aqueous suspension of the pigment a water-soluble acid and an alkali metal silicate cellulose xanthate or a soluble cellulose compound.

Miscellaneous

Pat. 2,125,143. Process of Recovering Sulphuric Acid From Hot Gas Mixtures Containing Sulfur Oxides. July 26, 1938.

Pat. 2,128,311. Method of Carrying Out Chemical Reactions. Aug. 30, 1938. Oxidizing dissolved ferrous compound in a solution of a heavy metal salt by means of a jet nozzle.

Pat. 2,213,211. Method of Precipitation. Sept. 3, 1940. Reacting liquids by forcing solution of one reactant by means of a jet nozzle at specific velocities.

Pat. 2,213,907. Method of Precipitation. Sept. 3, 1940. Effecting reaction by forcing one reactant through a jet nozzle at specific velocities.

Pat. 2,289,462. Production of Vanadyl Sulfate. July 14, 1942. Product obtained by electrolytic reduction of a suspension of vanadium pentoxide.

Pat. 2,316,039. Cement Composition. Apr. 6, 1943. Mixing equimolecular proportions of iron sulfate of specific hydrate water content and an alkaline calcium compound (oxide, hydroxide and carbonate).

Pat. 2,413,778. Production of Titanium Nitride. Jan. 7, 1947. Process for preparing pure titanium nitride by reacting a halide of titanium with anhydrous ammonia and then subjecting the reaction product to decomposition at a temperature above 1000° C. in the presence of a current of nitrogen and hydrogen.

Pat. 2,437,174. Production of Active Carbon. Mar. 2, 1948. Impregnating sheeted cellulosic substance with boric acid, igniting impregnated material and thereafter extracting residual boric acid with water from the resulting active carbon or carbonaceous ash.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 11, 1949

[VOL. 618. No. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 513,910. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR BLANKETS AND BATS MADE FROM GLASS FIBER CONTAINING MATERIALS AND ADAPTED TO BE USED FOR MAKING SUCH ITEMS AS THERMAL INSULATION, CEMENTS, AERATION PADS, PLASTIC REINFORCING MATERIALS, ROOF MATS, ROOF FELTS, PIPE WRAPS, TUBING, AND LAGGING TAPE.
Claims use since Oct. 30, 1946.

Ser. No. 522,232. ERI FOUTS, Kansas City, Mo. Filed May 12, 1947.

GARDENLAND

FOR NURSERY AND GREENHOUSE PRODUCTS—NAMELY, SHRUBS, TREES, AND PLANTS.
Claims use since Apr. 1, 1947.

CLASS 2

RECEPTACLES

Ser. No. 500,635. STOUT-LINDSAY, INC., East Cleveland, Ohio. Filed Apr. 20, 1946.

BABY BUFFET'

The word "Baby" is disclaimed apart from the mark.
FOR TRAINING DEVICES COMPOSED OF A TRAY AND COMPARTMENTED FOOD DISH ATTACHABLE TO HIGH CHAIRS OR TABLES.
Claims use since Jan. 10, 1946.

Ser. No. 512,232. THE B. F. GOODRICH COMPANY, Akron, Ohio, and New York, N. Y. Filed Nov. 8, 1946.

Koroseal

FOR IMPERVIOUS CORROSION-RESISTANT PLASTIC LININGS FOR METAL STORAGE TANKS.
Claims use since 1936.

CLASS 5

ADHESIVES

Ser. No. 482,088. BEMIS BRO. BAG CO., Minneapolis, Minn. Filed Apr. 13, 1945.

PLASTAPE

FOR SEALING TAPES, USED AS CLOSURES FOR FLEXIBLE WALLED PAPER AND TEXTILE BAGS.
Claims use since Mar. 21, 1945.

Ser. No. 507,155. TEX PRODUCTS, INC., Newark, N. J. Filed Aug. 9, 1946.

SUPER-TEX

FOR SYNTHETIC ADHESIVE CEMENT—NAMELY, SYNTHETIC POLYMERS OF A RESIN TYPE FOR LAMINATING AND BONDING TOGETHER WOOD, TEXTILES, FABRICS, PAPER, AND VARIOUS COMPOSITION MATERIALS.
Claims use since July 12, 1946.

CLASS 19

Ser. No. 525,607. BERNARD L. LATOUSEK, doing business

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 492,511. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Dec. 1, 1945.

DB-50

The number "50" appearing on the drawing is disclaimed apart from the mark. The additional lines following each of the letters and digits in the drawing indicate shading.

FOR INSECTICIDES.

Claims use since May 17, 1945.

Ser. No. 497,492. PLANT PRODUCTS CORPORATION, Blue Point, N. Y. Filed Mar. 1, 1946.

AZOFUME-70

The number "70" is disclaimed apart from the mark.

FOR FUMIGANT USED FOR CONTROL OF RED SPIDER.

Claims use since Nov. 9, 1945.

Ser. No. 510,619. JOHN RUBEL, doing business as John Rubel Co., New York, N. Y. Filed Oct. 10, 1946.

Be A Gentleman

FOR DEODORANTS FOR PERSONAL USE.

Claims use since August 1946.

Ser. No. 511,342. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill. Filed Oct. 23, 1946.

BETATHIOLIN

FOR MEDICINAL PREPARATION SOLD ONLY ON A PHYSICIAN'S PRESCRIPTION AND ADMINISTERED BY INTRA-MUSCULAR INJECTION FOR THE TREATMENT OF HYPERTROPHIC, DEGENERATIVE, AND SENESCENT ARTHRITIS, AND NEURITIS, AVITAMINOSIS B COMPLEX, AND OTHER CONDITIONS WHERE B COMPLEX IS INDICATED.

Claims use since Mar. 17, 1944.

Ser. No. 513,466. HELENA RUBINSTEIN, INC., New York, N. Y. Filed Nov. 29, 1946.

lipstick quartet

No claim is made to the word "Lipstick" apart from the mark.

FOR KIT CONTAINING LIPSTICKS.

Claims use since Nov. 27, 1945.

Ser. No. 515,956. O. E. LINCK COMPANY, INC., Clifton, N. J. Filed Jan. 18, 1947.

TAT FORMULA '83'

Applicant disclaims the word "Formula."

FOR POISONS FOR RODENTS, INSECTS, AND OTHER PESTS.

Claims use since Jan. 24, 1946.

Ser. No. 517,850. CAROLYN WALKER KEIN, doing business as Valley Sales Company, Seneca, Ill. Filed Feb. 20, 1947.

Tui

FOR HAIR AND SCALP TONIC.

Claims use since October 1946.

Ser. No. 523,798. ORLEANS COMPANY, INC., New York, N. Y. Filed June 7, 1947.

ORLEON

FOR ANILINE DYES.

Claims use since Jan. 5, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 519,608. ANTHONY TROPIANO, doing business as Enduro-Plastic Co., Port Chester, N. Y. Filed Mar. 26, 1947.

TRIPOLETE

FOR INSULATIVE AND FIREPROOF PLASTERING, PATCHING, MOLDABLE, AND CEMENTITIOUS CONSTRUCTION MATERIALS, COMPOSED OF A MIXTURE IN POWDERY FORM OF A HYDRAULIC CEMENT—NAMELY, PORTLAND CEMENT, WITH A GYPSUM MATERIAL AND A FINELY DIVIDED OR SHREDDED PAPER, WHICH IS USED IN MAKING PREFORMED AND MOLDED PARTS OF BUILDING WALLS AND FLOORS; ALSO FIREPROOF INSULATION FOR OVENS, FURNACES, AND HEATING APPARATUSES; ALSO, FLOOR TILE, TILE BASE, AND IMITATION MARBLE REFRACTORY SLABS FOR BUILDING WALL AND FIREPLACE CONSTRUCTION.

Claims use since October 1944.

CLASS 19

VEHICLES

Ser. No. 499,442. CHARLES A. SPRAGUE, doing business as C. A. Sprague Devices, Michigan City, Ind. Filed Apr. 1, 1946.

AIR PUSH

FOR WINDSHIELD WIPERS.

Claims use since Jan. 31, 1928.

Ser. No. 506,994. EMPIRE TRACTOR CORPORATION, New York, N. Y. Filed Aug. 7, 1946.

EMPIRE

The applicant disclaims the representation of the vehicle apart from the mark.

FOR AUTOMOBILES AND AUTOMOBILE TRAILERS

Claims use since May 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 484,438. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md. Filed June 12, 1945.

TAPGUN

FOR PORTABLE ELECTRIC TOOLS FOR USE IN SUCH CRAFT WORK AS DRILLING, BORING, GRINDING, BUFFING, BURNISHING, SCREW DRIVING, NUT RUNNING, TAPPING, AND THE LIKE.

Claims use since Jan. 2, 1941.

Ser. No. 524,362. WILLIAM M. WINANS, New York, N. Y. Filed June 17, 1947.

RAYWIN

FOR RADIO RECEIVING SETS.

Claims use since Mar. 19, 1947.

Ser. No. 525,607. BERNARD L. LATOUSEK, doing business as Penray Company, Los Angeles, Calif. Filed July 2, 1947.

PEN-RAY

FOR FOG LENS FOR ATTACHMENT OR CONNECTION TO VEHICLE HEADLIGHTS.

Claims use since May 3, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 501,092. SAYCO DOLL CORPORATION, New York, N. Y. Filed Apr. 27, 1946.

TOUGHIE

FOR DOLLS.

Claims use since Apr. 17, 1946.

Ser. No. 510,292. WITCH FIRE LURES, Madison, Wis. Filed Oct. 4, 1946.

Witch Fire Lures

No claim is made to the word "Lures" or the representation of a fish, except when used in association with other features of the mark.

FOR FISH LURES.

Claims use since June 2, 1946.

Ser. No. 513,260. L. A. JONSSONS SKIDFABRIKS A. B., Ostersund, Sweden. Filed Nov. 26, 1946.

SKIMSTER

FOR SKIS, SKI-POLES, SKI-BINDINGS, AND ACCESSORIES FOR THEM.

Claims use since June 1, 1946.

Ser. No. 516,978. EVA H. GRUNDY, Seattle, Wash. Filed

Ser. No. 517,586. POWER-PAK PRODUCTS, INC., Buffalo,

CLASS 32

Ser. No. 498,138. ARTHUR L. GRIFFIN, Toledo, Ohio.

Ser. No. 516,978. EVA H. GRUNDY, Seattle, Wash. Filed Feb. 5, 1947.

TRAVEDORS

FOR GAMES PLAYED WITH A GAME BOARD AND MOVABLE PIECES.
Claims use since Apr. 20, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 479,125. HARVEY MACHINE CO., INC., Los Angeles, Calif. Filed Jan. 29, 1945.

Harcraft

FOR BAND-STRAPPING AND BOX TYING EQUIPMENT—NAMELY, BAND AND STRAP OF METAL AND WIRE, FASTENING TIES THEREFOR, AND TOOLS AND MACHINES FOR APPLYING, TIGHTENING, ATTACHING, AND LOCKING SAID TYING MATERIAL, AND HYDRAULIC PUMP JACKS.
Claims use since Jan. 27, 1944.

Ser. No. 485,192. CARGAIR, INC., Los Angeles, Calif. Filed June 29, 1945.

CARGAIR

FOR POWER OPERATED LIFT TRUCKS DESIGNED FOR USE IN LIFTING, UNLOADING, TRANSFERRING, STACKING AND THE LIKE, OF MERCHANDISE, CARGO LEADERS—NAMELY, THREADED CONVEYOR BELTS AND CARGO CONVEYORS FOR CARRYING MISCELLANEOUS CARGO TO VEHICLES, ROLLER CONVEYORS, CARGO CHUTES, CARGO CHUTE SUPPORTS, AND ROLLER ASSEMBLY CARGO CHUTES, AND FLOOR ROLLERS AND TIE DOWN EQUIPMENT—NAMELY, CARGO TIES.
Claims use since May 5, 1945.

Ser. No. 501,475. GEO. D. ROPER CORPORATION, Rockford, Ill. Filed May 4, 1946.

ROPER PAC

No claim is made to the name "Roper" apart from the mark.
FOR HYDRAULIC POWER UNITS FOR ATTACHMENT TO TRACTORS FOR SUPPLYING POWER FOR THE OPERATION OF LOADING, LIFTING, AND MATERIAL MOVING DEVICES, AND FOR MECHANICAL POWER TAKE-OFF UNITS.
Claims use since October 1945.

Ser. No. 517,586. POWER-PAK PRODUCTS, INC., Buffalo, N. Y. Filed Feb. 15, 1947.

POWER-PAK

The word "Power" is disclaimed apart from the mark.
FOR TIRE INFLATION AND FIRE EXTINGUISHING UNIT COMPRISED OF A CYLINDER FILLED WITH COMPRESSED CARBON DIOXIDE.
Claims use since Dec. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 508,973. S. BUCHSBAUM & CO., Chicago, Ill. Filed Sept. 13, 1946.

Stratoline

FOR WRISTWATCH STRAPS OF LEATHER.
Claims use since Apr. 2, 1945.

Ser. No. 519,308. ANDERSON TOOL & DIE WORKS, INC., Providence, R. I. Filed Mar. 20, 1947.

CURVO-GRAM

FOR ORNAMENTAL JEWELRY—NAMELY, BUCKLES, COLLAR-HOLDERS, NECKTIE HOLDERS, CUFF LINKS, KEY CHAINS, MONEY CLIPS, MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL.
Claims use since Feb. 15, 1947.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 495,462. ROBERT L. FISHER, San Francisco, Calif. Filed Jan. 26, 1946.

SPARKLERS

FOR POLISHING PADS OR BUFFS OF FABRIC AND FOR TANNED SHEEP SKIN POLISHING MITTS OR BONNETS.
Claims use since Jan. 15, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 499,364. MURRAY M. WEINGARTEN, New York, N. Y. Filed Mar. 30, 1946.

Anka Web

The word "Web" is disclaimed apart from the mark.
FOR SPRING UPHOLSTERY UNITS.
Claims use since Feb. 1, 1945.

Ser. No. 518,523. ECKENROTH & CO. INC., Brooklyn, N. Y. Filed Mar. 5, 1947.

Musagrand

FOR EMPTY RECORD CABINETS.
Claims use since September 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 523,695. OHIO STOVE COMPANY, Portsmouth, Ohio. Filed June 6, 1947.

BUCKEYE

FOR STOVES, RANGES, AND BARBECUE GRILLS FOR SOLID FUELS—NAMELY, COAL, WOOD, CHARCOAL, METACETALDEHYDE, AND PEAT.
Claims use since 1892.

CLASS 37

PAPER AND STATIONERY

Ser. No. 486,766. THOMAS E. GRAY, doing business as The Thomas E. Gray Agency, Tampa, Fla. Filed Aug. 6, 1945.

YOUR LIVE OR DIE-AGRAM

FOR PARTIALLY PRINTED FORMS USED BY INSURANCE AGENCIES, SAID FORMS SOLD AS SUCH IN TRADE.
Claims use since Mar. 26, 1945.

Ser. No. 498,138. ARTHUR L. GRIFFIN, Toledo, Ohio. Filed Mar. 13, 1946.

Script Ease

FOR HAND RESTS, IN THE NATURE OF BALL-BEARING-SUPPORTED PLATES OF METALLIC OR SIMILAR MATERIAL, USED AS A SUPPORT FOR THE HAND WHEN WRITING.
Claims use since Jan. 15, 1946.

Ser. No. 525,963. THE SORG PAPER COMPANY, Middletown, Ohio. Filed July 3, 1947.

MERIDIAN

FOR WRITING PAPER, PRINTING PAPER, OFFSET PAPER, BRISTOL OF HIGH STRENGTH, AND ALSO FOR SAID PAPERS OF SOMEWHAT LIGHTER WEIGHTS BUT HAVING HIGHER STRENGTH CHARACTERISTICS FOR GENERAL STRONG UTILITY.
Claims use since 1924.

Ser. No. 526,059. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed July 3, 1947.

The words "Finest Irish Linen" are disclaimed apart from the mark shown.
FOR PAPER TABLETS.
Claims use since 1909 as to "Irish Linen"; and since 1927 in the form shown.

Ser. No. 514,449. STUART MANSFIELD CO., INC., New

CLASS 46

Ser. No. 500,166. COOK BAKING CO., Freeport, Ill. Filed

CLASS 39

CLOTHING

Ser. No. 518,844. MARYON HOSIERY MILL, Carrollton, Ga., assignor to Maryon Hosiery Mill, Inc., a corporation of Georgia. Filed Mar. 11, 1947.

The word "Socks" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since Feb. 24, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 484,496. PACIFIC MILLS, Boston, Mass., and New York, N. Y. Filed June 13, 1945.

FOR WOOLEN FABRICS IN THE PIECE FOR MEN'S CLOTHING.
Claims use since June 1, 1945.

Ser. No. 499,646. MILPRINT, INC., Milwaukee, Wis. Filed Apr. 4, 1946.

Mil-o-Film

The word "Film" is disclaimed apart from the mark.
FOR PLASTIC SHEETS OR FILMS HAVING ELASTIC PROPERTIES AND SOLD IN PRINTED OR UNPRINTED FORM FOR WRAPPING, PACKAGING, COVERING, OR LIKE PROTECTIVE USES.
Claims use since Mar. 18, 1946.

Ser. No. 516,449. STUART MANSFIELD CO., INC., New York, N. Y. Filed Jan. 27, 1947.

Duroseal

FOR PLASTIC FILM SHEETING WITH A COTTON BACKING, MADE ESPECIALLY FOR UPHOLSTERY PURPOSES, AND SOLD IN THE PIECE.
Claims use since July 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 506,448. HEALTHWAYS OF HOLLYWOOD, Los Angeles, Calif. Filed July 29, 1946.

The word "Sun" is disclaimed apart from the mark.
FOR REFLECTORS ADAPTED TO BE HAND OPERATED FOR DIRECTING REFLECTED LIGHT UPON THE HUMAN BODY FOR THE PURPOSE OF OBTAINING A SUN TAN.
Claims use since August 1945.

Ser. No. 512,852. NORTHAM WARREN CORPORATION, Stamford, Conn. Filed Nov. 19, 1946.

CUTEX

FOR MANICURE SCISSORS AND MANICURE TWEEZERS, MANICURE NIPPERS, MANICURE METAL PUSHERS, MANICURE FILES, AND MANICURE CLIPPERS.
Claims use since 1915.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 483,021. ICE CREAM NOVELTIES INC., New York, N. Y. Filed May 5, 1945.

ICY-FROST

TWINS

Applicant owns Reg. No. 368,410. The word "Icy" is disclaimed apart from the mark shown.
FOR FROZEN CONFECTION.
Claims use since Apr. 23, 1945.

Ser. No. 498,341. A/S DANSK SKINKEKOGERI, Copenhagen, Denmark. Filed Mar. 16, 1946.

HAFNIA

FOR MEAT (FRESH, FROZEN, CURED, AND COOKED) OF PORK, BEEF, LAMB, AND MUTTON, AS WELL AS CHICKEN (FROZEN, SALTED, OR CANNED), ANIMAL FATS FOR FOOD PURPOSES—NAMELY, LARD, FAT OF MEAT, HARD FAT, LEAF FAT, SHORTENING, DRIPPING, CURD, SUET, GREASE, CROW, GREAVES, AND SMOKED PORK AND BEEF, HAM, BACON, HOG SHOULDERS, CANNED PORK AND BEEF, HOG TONGUES, SAUSAGES, AND SANDWICH-SPREAD.
Claims use since 1914.

Ser. No. 498,874. B. YOUNG & COMPANY LIMITED, London, England. Filed Mar. 23, 1946.

No claim is made to the exclusive use of the words "Brand" and "Gelatine" nor to the letter "P" apart from the mark.
FOR GELATINE FOR USE AS FOOD OR AS AN INGREDIENT IN FOODS.
Claims use since July 12, 1943.

Ser. No. 500,166. COOK BAKING CO., Freeport, Ill. Filed Apr. 13, 1946.

FOR BREAD AND ROLLS.
Claims use since Mar. 2, 1946.

Ser. No. 512,275. GERALD M. NISLEY, doing business as Nisley Vineyards, Thermal, Calif. Filed Nov. 8, 1946.

Desert Fiesta

FOR FRUITS—NAMELY, FRESH DATES AND FRESH GRAPES.
Claims use since Dec. 4, 1945.

Ser. No. 525,932. NEW ORLEANS IMPORT CO., LIMITED, New Orleans, La. Filed July 3, 1947.

REX

Applicant is the owner of the mark shown in registration No. 59,086.
FOR CRAB-BOIL—A MIXTURE OF SPICES, SEEDS, HERBS AND PEPPERS; FOR SEASONING CRABS, SHRIMP, OR ANY OTHER SEA FOODS; AND SPICES—ALLSPICE, BLACK PEPPER, WHITE PEPPER, CINNAMON, CLOVES, MACE, MARJORAM, NUTMEG, SAGE, AND THYME (GROUND AND WHOLE).
Claims use since May 1, 1900.

CLASS 3

CLASS 4

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 527,623. TERMINAL GRAIN COMPANY, Fort Worth, Tex. Filed July 5, 1947.

The representation of a tag colored blue is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 323,856 and 396,751.

FOR SEED GRAINS—NAMELY, WHEAT, OATS, BARLEY, CORN, RYE, MAIZE, SORGHUM, SUDAN GRASS, AND OTHER GRASS SEEDS.

Claims use since May 13, 1916.

Ser. No. 534,757. ELK RIVER COAL & LUMBER COMPANY, Dundon, W. Va. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

DUNDON

Applicant claims ownership of registration No. 188,301.

FOR COAL.

Claims use since 1911.

Ser. No. 539,342. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

The exclusive use of the words "Briquets" and "For Intense Heat" are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 308,679 and 214,717.

FOR COAL.

Claims use since Oct. 15, 1932.

Ser. No. 544,626. S. D. WOODRUFF & SONS, INC., Orange, Conn. Filed Dec. 17, 1947.

TRIPLE "T"

FOR GARDEN SEEDS, FIELD SEEDS, AND FLOWER SEEDS.

Claims use since Feb. 5, 1946.

Ser. No. 548,107. SEGELIN'S, Cleveland, Ohio. Filed Jan. 27, 1948. Under section 2f of the act of 1946.

SEGELIN'S

FOR NATURAL FLOWERS AND NURSERY STOCK.

Claims use since 1936.

CLASS 2

RECEPTACLES

Ser. No. 541,530. EXTERMINATOR'S EQUIPMENT AND SAFETY SUPPLY COMPANY, Chicago, Ill. Filed Nov. 18, 1947.

EESSCO

FOR EMPTY POISON CONTAINERS IN THE NATURE OF PAPER CUPS.

Claims use since July 1, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 523,896. JOYCE, INC., Pasadena, Calif. Filed Aug. 30, 1948; originally filed, act of 1905, June 10, 1947. Under section 2f of the act of 1946.

joyce

FOR LADIES' HANDBAGS.

Claims use since Oct. 15, 1938.

Ser. No. 542,301. ENGER-KRESS COMPANY, West Bend, Wis. Filed Nov. 25, 1947.

EK

Applicant claims ownership of registration No. 261,953.

FOR BILLFOLDS, PURSES, MATCH CASES, KEY CASES, MEMORANDUM PADS MADE OF LEATHER, FABRIC, AND COMBINATIONS OF SUCH MATERIAL.

Claims use since December 1930.

Ser. No. 553,390. NEW REXBILT LEATHER GOODS CORP., New York, N. Y. Filed Mar. 30, 1948.

REXLOCK

Applicant claims ownership of registrations Nos. 184,459 and 425,849.

FOR BRIEF CASES, OVERNIGHT CASES, SUIT CASES, HAND BAGS, PORTFOLIOS, AND CORRESPONDENCE CASES, AND COMMUTER CASES.

Claims use since Mar. 2, 1948.

Ser. No. 554,749. SIDNEY A. WATTS, New York, N. Y. Filed Apr. 15, 1948. Under section 2f of the act of 1946.

DREW & SONS
PICCADILLY CIRCUS

FOR SUITCASES, TRAVEL BAGS, BLOUSE CASES, HAT BOXES, SHOE CASES, DRESSING CASES OF LEATHER SOLD EMPTY, FOR MEN AND FOR WOMEN, WRITING AND ATTACHE CASES, DOCUMENT AND BRIEF CASES, JEWEL CASES MADE OF LEATHER, LADIES' HANDBAGS, LADIES' EVENING BAGS, PURSES, WALLETS, AND COLLAR BOXES MADE OF LEATHER.

Claims use since Mar. 8, 1928.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 510,973. OVERTON CHEMICAL COMPANY, Summer, Iowa. Filed Mar. 6, 1948; originally filed, act of 1905, Oct. 16, 1946.

POLY-SUDS

The word "Suds" is disclaimed, except as a part of the entire trade-mark as shown.

FOR GRANULAR SOAP.

Claims use since June 1, 1945.

Ser. No. 531,117. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 12, 1947. Under section 2f of the act of 1946.

HARLEY-DAVIDSON

FOR VALVE GRINDING COMPOUND, AND CHROME POLISH AND CLEANER.

Claims use since 1934.

Ser. No. 538,574. TOMLINSON INDUSTRIES, INC., Cleveland, Ohio. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

KLEEN-URN

Applicant claims ownership of registration No. 326,879.

FOR PREPARATION FOR GENERAL CLEANSING AND PURIFYING PURPOSES, INCLUDING THE CLEANING OF RESTAURANT AND KITCHEN UTENSILS AND FOOD PREPARATION AND DISPENSING EQUIPMENT SUCH AS COFFEE URNS AND THE LIKE.

Claims use since June 1, 1934.

Ser. No. 543,824. METAL TEXTILE CORPORATION, West Orange, N. J. Filed Dec. 9, 1947.

CHORE
SPONGE

No claim is made to the word "Sponge" apart from the mark. Applicant claims ownership of registration No. 163,807.

FOR ABRASIVE WADS OR PADS OF KNITTED METALLIC FABRIC.

Claims use since Jan. 11, 1938.

Ser. No. 549,838. PERFUMERIA FLORALIA, S. A., Madrid, Spain. Filed Feb. 16, 1948.

PERFUMERÍA FLORALIA

No claim is made to the word "Perfumeria" except in the association shown on the drawing. Applicant claims ownership of Spanish registration No. 24,153A, dated Sept. 29, 1914.

FOR SOAPS OF ALL KINDS, SHAVING CREAMS, AND SHAVING POWDERS.

Ser. No. 551,258. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES

No claim is made to an exclusive right to use "cooperate" apart from the mark as shown. Applicant claims ownership of registrations Nos. 177,379, 184,503, 185,714, 187,373, 317,158, 320,294, 326,035, 326,037, 330,285, and 347,726.

FOR CLEANSING COMPOUND FOR DAIRY USE; ABRASIVE FILES AND STONES.

Claims use since May 1935.

Ser. No. 557,170. WILLIAMSVILLE BUFF MFG. CO., Danielson, Conn. Filed May 15, 1948.

CUT MASTER

No claim is made to the word "Cut" apart from the mark.

FOR BUFFING DISCS, AND BUFFING WHEELS.

Claims use since August 1939.

Ser. No. 560,916. POLK MILLER PRODUCTS CORPORATION, Richmond, Va. Filed July 8, 1948. Under section 2f of the act of 1946.

Sergeant's

Applicant claims ownership of registrations Nos. 223,870 and 331,352.

FOR FLEA SOAP.

Claims use since December 1885.

Ser. No. 563,077. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Aug. 9, 1948.

CHIRP

FOR CLEANING COMPOSITION FOR PAINTED SURFACES, ENAMELED SURFACES, LINOLEUM, AND THE LIKE.

Claims use since July 1, 1948.

CLASS 5

ADHESIVES

Ser. No. 517,678. WESTERN MINERAL PRODUCTS COMPANY, Minneapolis, Minn., and Omaha, Nebr. Filed Nov. 6, 1947; originally filed, act of 1905, Feb. 17, 1947.

LARCO

FOR ADHESIVE, PARTICULARLY ADAPTED FOR ADHERING INSULATING MATERIALS TO PIPES, AND FURNACES (SOLD IN POWDERED FORM).

Claims use since June 12, 1930.

Ser. No. 530,313. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed Aug. 2, 1947.

PERMACEL

Applicant claims ownership of registrations Nos. 388,238 and 433,851.

FOR HEATSEALING TAPE.

Claims use since Mar. 21, 1946.

Ser. No. 542,401. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

SEALING LINE

No claim is made to the word "Sealing" apart from the mark as shown. Applicant claims ownership of registration No. 395,543.

FOR GUMMED PAPER TAPE.

Claims use since May 1, 1940.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 501,524. MORTON MANUFACTURING CORPORATION, doing business as Snow White Products Company, Lynchburg, Va. Filed Nov. 6, 1947; originally filed, act of 1905, May 6, 1946. Under section 2f of the act of 1946.

SNOW WHITE

Applicant claims ownership of registrations Nos. 301,546 and 420,852.

FOR SHAMPOO CREAM, VANISHING CREAM, FACE POWDER, BLEACHING CREAM, AND HAIR DRESSING.

Claims use since 1923.

Ser. No. 502,647. LIQUILUX GAS SERVICES, INC., Houston, Tex. Filed June 3, 1948; originally filed, act of 1905, May 23, 1946.

LIQUILUX SERVICES

The word "Services" is disclaimed apart from the mark.

FOR LIQUEFIED PETROLEUM GAS FOR USE AS A FUEL.

Claims use since Aug. 20, 1945.

Ser. No. 511,079. GENERAL DYESTUFF CORPORATION, New York, N. Y. Filed July 10, 1947; originally filed, act of 1905, Oct. 18, 1946.

EMULPHOGENE

Applicant claims ownership of registration No. 259,507.

FOR EMULSIFYING AGENTS FOR FATTY OILS, MINERAL OILS AND COMBINATIONS THEREOF, AND FOR THE TEXTILE INDUSTRY; FOR SOFTENING AND PLASTICIZING AGENTS FOR OILS; AND FOR STABILIZERS TO BE ADDED TO EMULSIONS OF RUBBER AND SIMILAR MATERIALS, WETTING AGENT TO BE ADDED TO WATER FOR FLOTATING ORES AND FOR PRECIPITATING DUST PARTICLES IN THE MINING INDUSTRY.

Claims use since Aug. 30, 1946.

Ser. No. 531,913. REESE C. HARVILLE, Gastonia, N. C. Filed Aug. 20, 1947.

Harville's Hand Glow

No claim is made to the words "Harville's" and "Hand" apart from the mark.

FOR LOTION FOR SOFTENING AND CLEANSING THE HANDS.

Claims use since Aug. 11, 1947.

Ser. No. 535,264. SEQUOIA PRODUCTS COMPANY, Eureka, Calif. Filed Sept. 22, 1947.

SEPCO-W

FOR FUNGICIDAL COMPOUND CONTAINING LIGNIN COMPOUNDS OF REDWOOD BARK FOR PREVENTING MOLDING, AND DETERIORATION BY MOLDS, OF WOOD, PAPER, FRUIT, VEGETABLES, AND THE LIKE.

Claims use since June 22, 1947.

Ser. No. 537,267. ANDREW WILSON, INC., Springfield, N. J. Filed Oct. 8, 1947. Under section 2f of the act of 1946.

Andrew Wilson

The name "Andrew Wilson" is that of the former president and treasurer of the applicant corporation and consent is filed herein. Applicant claims ownership of registration No. 192,233.

FOR INSECTICIDES.

Claims use since February 1914.

Ser. No. 537,510. PEGGY SAGE, INC., Stamford, Conn. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

Peggy Sage

The name of Peggy Sage is that of a living individual, and consent is filed herein. Applicant claims ownership of registrations Nos. 295,858, 302,123, and 365,085.

FOR NAIL ENAMEL, NAIL POLISH, NAIL PASTE AND POWDER, TREATMENT FOR THE HANDS IN CREAM LOTION AND POWDER FORM, CUTICLE REMOVER FOR THE NAILS, CUTICLE OIL, CUTICLE CREAM, NAIL POLISH REMOVER, NAIL POLISH BASES, NAIL POLISH THINNER, NAIL WHITE, NICOTINE STAIN REMOVER, NAIL WHITE PENCILS, AND STERILIZING SOLUTION.

Claims use since 1917.

Ser. No. 538,115. FAERY & BESTHOFF, INC., New York, N. Y. Filed Oct. 17, 1947.

SPRIN-CAL

FOR CALCIUM CHLORIDE.

Claims use since Oct. 2, 1947.

Ser. No. 542,269. HARRIET HUBBARD AYER, INC., New York, N. Y. Filed Nov. 25, 1947.

Winter Carnival

FOR TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER.

Claims use since Nov. 6, 1947.

Ser. No. 543,027. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL WEATHER

Applicant claims ownership of registration No. 365,990.

FOR TOILET LOTIONS.

Claims use since Dec. 10, 1937.

Ser. No. 543,028. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET LOTIONS.

Claims use since Dec. 10, 1937.

Ser. No. 543,029. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,030. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,031. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,032. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,033. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET LOTIONS.

Claims use since Dec. 10, 1937.

Ser. No. 543,034. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,035. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,036. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,037. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET LOTIONS.

Claims use since Dec. 10, 1937.

Ser. No. 543,038. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,039. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR FACE POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 543,040. ELMO, INC., Philadelphia, Pa. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL SEASONS

Applicant claims ownership of registration No. 365,990.

FOR TOILET WATER, BATH OIL, COLOGNE, FACE POWDER, AND BATH POWDER.

Claims use since Dec. 10, 1937.

Ser. No. 544,502. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

A

Applicant claims ownership of registration No. 80,943.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 544,503. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Sept. 23, 1947.

G

Applicant claims ownership of registration No. 80,945.
FOR SILICATE OF SODA.
Claims use since 1870.

Ser. No. 544,816. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed Sept. 30, 1947.

GIVAUDAN NEW YORK DELAWANNA

The drawing is lined for shading only. The words "New York" and "Delawanna" are disclaimed apart from the mark.
Applicant claims ownership of registration No. 388,975.
FOR ORGANIC ODORIFEROUS AND FLAVOR-IMPARTING CHEMICALS; ORGANIC CHEMICALS USED IN PERFUMES, COSMETICS, PAINTS, VARNISHES, DRYING INKS, BACTERICIDAL, FUNGICIDAL, INSECTICIDAL AND PRESERVATIVE COMPOSITIONS; AND ORGANIC CHEMICALS USED AS RANCIDITY STABILIZERS IN SOAPS.
Claims use since Aug. 15, 1939.

Ser. No. 546,626. EDWIN WILLIAM TISCHER, doing business as Venetta Tischer Cosmetics, Chicago, Ill. Filed Jan. 9, 1948.

Bar-it

FOR DEODORANT AND ANTI-PERSPIRANT.
Claims use since July 1, 1947.

Ser. No. 546,855. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif. Filed Jan. 13, 1948.

HĒMEX

Applicant claims ownership of registration No. 318,765.
FOR PILE SUPPOSITORIES AND OINTMENTS.
Claims use since May 1, 1934.

Ser. No. 547,296. UNIVERSAL CHEMICAL CORPORATION, Easthampton, Mass. Filed Jan. 16, 1948.

ONE SHOT

FOR LIGHTER FLUID.
Claims use since Dec. 22, 1947.

Ser. No. 549,854. VAN PELT AND BROWN, INCORPORATED, Richmond, Va. Filed Feb. 16, 1948.

VANAPHEN

FOR PREPARATION IN LIQUID FORM USED AS A SEDATIVE IN THE TREATMENT OF VARIOUS NERVOUS DISORDERS.
Claims use since Jan. 26, 1948.

Ser. No. 550,176. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 19, 1948.

DELMINITE

FOR PROTEIN, CARBOHYDRATE PREPARATION CONTAINING LIVER, MINERALS, AND VITAMINS.
Claims use since Feb. 4, 1948.

Ser. No. 550,177. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Feb. 19, 1948.

DELMOR

FOR PROTEIN, CARBOHYDRATE PREPARATION CONTAINING LIVER, MINERALS, AND VITAMINS.
Claims use since Feb. 4, 1948.

Ser. No. 550,939. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 1, 1948.

PROMACETIN

FOR CHEMOTHERAPEUTIC AGENT FOR USE IN THE TREATMENT OF MYCO-BACTERIAL DISEASES.
Claims use since Dec. 9, 1947.

Ser. No. 551,041. OLD 97 COMPANY, Tampa, Fla. Filed Mar. 2, 1948.

PAN ZER

FOR LINIMENT.
Claims use since Sept. 5, 1945.

Ser. No. 552,726. KENNETH G. AGNEW, doing business as Agnew & Tomlinson, Long Island City, N. Y. Filed Mar. 23, 1948.

TEKSAG

FOR HYDROUS COLLOID HAVING AN INHERENT INHIBITOR USED FOR REMOVAL AND PREVENTION OF RUST AND SCALE FROM HEATING AND POWER BOILERS.
Claims use since Mar. 1, 1948.

Ser. No. 553,134. SCHERING CORPORATION, Bloomfield, N. J. Filed Mar. 26, 1948.

TRIMETON

FOR PROPHENPYRAMINE USED IN THE TREATMENT OF ASTHMA, HAYFEVER, URTICARIA, AND OTHER ALLERGIC MANIFESTATIONS.
Claims use since Jan. 15, 1948.

Ser. No. 553,496. S. B. LEONARDI & CO. INC., New Rochelle, N. Y. Filed Mar. 31, 1948. Under section 2f of the act of 1946.

RENO

Applicant claims ownership of registrations Nos. 190,228 and 248,977.
FOR PREPARATIONS FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN.
Claims use since 1908.

618 O. G.—24

Ser. No. 553,974. HENRY H. OTTENS MFG. CO., INC., Philadelphia, Pa. Filed Apr. 6, 1948.

QUAKER BRAND

No exclusive claim is made to the word "Brand" apart from the mark. The hatching shown on the drawing represents shading. Applicant claims ownership of registrations Nos. 88,075, 148,500, and 439,878.
FOR FOOD COLORS.
Claims use since Apr. 8, 1902.

Ser. No. 554,007. EDMUND J. COLLETTE, doing business as Favreau & Collette, Spencer, Mass. Filed Apr. 7, 1948. Under section 2f of the act of 1946.

MATHIEU'S HEADACHE POWDERS

Exclusive use of the words "Headache Powders" is hereby disclaimed, apart from the mark. Applicant claims ownership of registrations Nos. 285,799 and 286,092.
FOR POWDERS FOR SIMPLE HEADACHE OR SIMPLE NEURALGIA.
Claims use since Oct. 9, 1929.

Ser. No. 559,600. THOMAS R. GIBBS, JR., Washington, D. C. Filed June 18, 1948.

PUSH

Applicant claims ownership of registration No. 243,763.
FOR MEDICINAL PREPARATION FOR RELIEF OF ACID INDIGESTION, GAS, AND HEARTBURN.
Claims use since Nov. 18, 1937.

Ser. No. 566,087. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed Sept. 29, 1948.

ANDROLIN

FOR PREPARATION OF THE MALE SEX HORMONE, INDICATED IN THE TREATMENT OF SEXUAL IMPOTENCY AND NEURASTHENIA, CLIMACTERIUM OF THE MALE, CRYPTORCHIDISM, INFANTILISM, ADIPOSE GENITAL DYSTROPHY, MODERATE PROSTATIC HYPERTROPHY AND EMASCULATION.
Claims use since May 28, 1943.

CLASS 7

Ser. No. 544,668. THE OHIO MATCH COMPANY, Wadsworth,

CLASS 12

Ser. No. 543,884. THE CASEMENT HARDWARE COMPANY,

CLASS 7

CORDAGE

Ser. No. 552,572. THE COLORADO FUEL AND IRON CORPORATION, Denver, Colo. Filed Mar. 20, 1948.

WISSCOTE

FOR WIRE ROPE.
Claims use since Sept. 26, 1947.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 543,763. VAN CLEEF & ARPELS, INC., New York, N. Y. Filed Dec. 8, 1947.

MYSTERIOUS LIGHTER

The word "Lighter" is disclaimed apart from the mark.
FOR CIGARETTE LIGHTERS.
Claims use since Oct. 15, 1947.

Ser. No. 544,051. BUXTON, INCORPORATED, Springfield, Mass. Filed Dec. 11, 1947.

Pack-Tainer

The word "Pack" is disclaimed apart from the mark.
Applicant claims ownership of registrations Nos. 153,132, 202,838, 214,165, 214,189, 218,545, 221,068, and 338,036.
FOR CIGARETTE CASES FORMED MAINLY OF LEATHER.
Claims use since 1937.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 544,667. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

OHIO BLUE TIP MATCHES

The word "Matches" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 155,579.
FOR MATCHES.
Claims use since Mar. 6, 1905.

Ser. No. 544,668. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

THE OHIO NOISELESS MATCH

The word "Match" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 155,580.
FOR MATCHES.
Claims use since Sept. 9, 1907.

CLASS 10

FERTILIZERS

Ser. No. 531,314. THE CONSOLIDATED MINING AND SMELTING COMPANY OF CANADA LIMITED, Montreal, Quebec, Canada. Filed Aug. 14, 1947.

ELEPHANT BRAND

No claim is made to the exclusive use of the word "Brand" apart from the mark as shown. Applicant claims ownership of Canadian registration 89, dated Apr. 15, 1946.
FOR CHEMICAL FERTILIZERS.

Ser. No. 538,316. SCIENTIFIC SOIL IMPROVEMENT CORP., New York, N. Y., assignor to Scientific Soil Products, Inc., New York, N. Y., a corporation of Delaware. Filed Oct. 18, 1947.

ATOMITRON

FOR MINERAL FERTILIZER INGREDIENTS USED AS SOIL STIMULANTS.
Claims use since Oct. 6, 1947.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 533,910. MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

"METLINK"

FOR MARKING AND STENCILLING ON METALS, WOOD, AND PAPER.
Claims use since Oct. 19, 1928.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 511,117. TRIM-SET CORPORATION, Seattle, Wash. Filed July 15, 1947; originally filed, act of 1905, Oct. 18, 1946.

Trim-Set

FOR METAL WINDOWS, WINDOW FRAMES, AND DOORS.
Claims use since May 28, 1946.

Ser. No. 527,479. SOULÉ STEEL COMPANY, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Filed July 5, 1947.

SSCO

The term "Co." is disclaimed apart from the mark.
FOR STEEL WINDOWS AND DOORS, REINFORCING COMMODITIES—NAMELY, REINFORCING STEEL BARS, STEEL WELDED FABRIC, EXPANDED METAL, STEEL CONSTRUCTION CLAMPS FOR CONCRETE FORMS, EXPANSION JOINTS, COMPRISING A DOWEL AND SLEEVE FORMED OF STEEL AND USED IN BUILDING AND HIGHWAY CONCRETE CONSTRUCTION TO ALLOW FOR LATERAL EXPANSION AND CONTRACTION OF CONCRETE BLOCKS OCCASIONED BY THERMAL CHANGE, CONCRETE PIPE REINFORCING IN THE FORM OF STEEL WIRE OR RODS, CONCRETE JOIST FORMS, STEEL JOIST FORMS, PREFABRICATED STEEL BUILDINGS, METAL LATH, STUCCO NETTING, STUCCO MESH AND STEEL BUILDING FRAMES.
Claims use since Mar. 16, 1927.

Ser. No. 538,687. WARREN PORTAHOME COMPANY, INC., Mays Landing, N. J. Filed Oct. 22, 1947.

PORTAHOME

FOR COMPLETE AND SECTIONAL PRE-BUILT DWELLINGS, COTTAGES, BUNGALOWS, TOURIST CABINS, OFFICES, STORES, AND GARAGES OF WOOD OR METAL AND WOOD.
Claims use since January 1940.

Ser. No. 543,884. THE CASEMENT HARDWARE COMPANY, Chicago, Ill. Filed Dec. 10, 1947. CERTIFICATION MARK.

✓Tech-Check'd

The word "Check'd" is disclaimed apart from the mark as shown.
FOR CASEMENT WINDOW UNITS (I. E., WINDOW UNITS OF THE CASEMENT TYPE COMPRISING APPROPRIATELY ASSEMBLED SASH, FRAME, AND HARDWARE).
Claims use since Nov. 12, 1947.

Ser. No. 552,276. SERVICE INDUSTRIES, Philadelphia, Pa. Filed Mar. 18, 1948.

HYDROK

FOR MATERIAL FOR TEMPERING, HARDENING, AND CURING PORTLAND CEMENT.
Claims use since Oct. 2, 1946.

Ser. No. 552,566. BLACK, SIVALLS & BRYSON, INC., Kansas City, Mo. Filed Mar. 20, 1948. Under section 2f of the act of 1946.

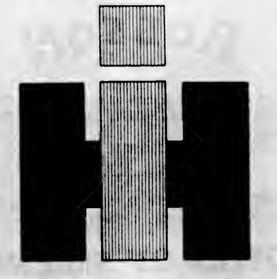
SAFWALK

Applicant claims ownership of registration No. 287,040.
FOR STEEL WALKWAYS AND STAIRWAYS.
Claims use since June 24, 1930.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 474,901. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed July 12, 1947; originally filed, act of 1905, Oct. 4, 1944.



The drawing is lined for the color red.
FOR NUTS, NAILS, STAPLES, BRADS, TACKS, THREADED AND NON-THREADED BOLTS, SCREWS, COTTER-PINS, FLAT METAL WASHERS, LOCK-WASHERS, LOCK-NUTS, AND SOLID RIVETS.
Claims use since Aug. 26, 1944.

Ser. No. 555,676. THE INTERNATIONAL NICKEL COMPANY,

Ser. No. 528,614. ELECTRIC STEEL FOUNDRY, Portland, Oreg. Filed July 15, 1947.

"SCREWY"

FOR GUY LINE HOOKS PRIMARILY INTENDED FOR USE IN LOGGING OPERATIONS.
Claims use since May 19, 1947.

Ser. No. 529,520. G. F. WRIGHT STEEL & WIRE CO., Worcester, Mass. Filed July 25, 1947. Under section 2f of the act of 1946.

WRIGHT

FOR FABRICATED WIRE PRODUCTS—NAMELY, WIRE NETTING, WIRE FENCE, WIRE CLOTH, WIRE SCREEN, WOVEN WIRE LATH, AND WIRE STRAND.
Claims use since July 1, 1939.

Ser. No. 529,731. THE UNITED STATES AIR COMPRESSOR COMPANY, Cleveland, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

BOWES

Applicant claims ownership of registration No. 155,882.
FOR HOSE COUPLINGS.
Claims use since May 1904.

Ser. No. 532,687. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Aug. 28, 1947. Under section 2f of the act of 1946.

ROBSON

Applicant claims ownership of registration No. 295,251.
FOR POTTERY — NAMELY, LAVATORIES, BATHTUBS, AND TOILETS.
Claims use since June 1, 1931.

Ser. No. 533,346. ROBERT E. MILLER & CO. INC., New York, N. Y. Filed Sept. 4, 1947.

DOMES OF SILENCE

Applicant claims ownership of registration No. 77,891.
FOR FURNITURE CASTERS, FURNITURE RESTS, FURNITURE SLIDES, FURNITURE LEVELERS, EXPANSION GLIDES, DRAWER GLIDES, AND NAILS.
Claims use since Apr. 2, 1909.

Ser. No. 533,681. ROBERT E. MILLER & CO. INC., New York, N. Y. Filed Sept. 6, 1947.

REMCO

Applicant claims ownership of registration No. 257,348.
FOR FURNITURE CASTERS, FURNITURE RESTS, AND FURNITURE SLIDES AND FOR DRAWER GLIDES, THUMB TACKS, AND NAILS.
Claims use since January 1925.

Ser. No. 535,803. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WYNGATE

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since May 1933.

Ser. No. 535,805. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WARWICK

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since April 1933.

Ser. No. 535,806. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WINDSOR

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since May 1933.

Ser. No. 535,807. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

WESTBROOK

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since April 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 533,251. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

AMSCO No. 6

Applicant claims ownership of registration No. 109,306.
FOR BARE AND COATED METAL WELDING RODS.
Claims use since Jan. 31, 1947.

Ser. No. 533,252. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

AMSCO No. 217

Applicant claims ownership of registration No. 109,306.
FOR BARE AND COATED METAL WELDING RODS.
Claims use since December 1930.

Ser. No. 533,253. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

AMSCO No. 1

Applicant claims ownership of registration No. 109,306.
FOR BARE AND COATED METAL WELDING RODS.
Claims use since May 21, 1947.

Ser. No. 533,254. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

AMSCO No. 459

Applicant claims ownership of registration No. 109,306.
FOR BARE AND COATED METAL WELDING RODS.
Claims use since Aug. 5, 1935.

Ser. No. 533,256. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

MANG-CO

Applicant claims ownership of registrations Nos. 399,197 and 414,309.
FOR COATED METAL WELDING RODS.
Claims use since Dec. 21, 1946.

Ser. No. 554,822. SOULE STEEL COMPANY, San Francisco, and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Filed Apr. 16, 1948.

SSCo

FOR WIRE, HOT ROLLED RODS, HOOPS, AND BANDS AND SHEETS OF STEEL.
Claims use since Mar. 16, 1927.

Ser. No. 555,676. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y. Filed Apr. 27, 1948.

DURANICKEL

FOR AGE-HARDENABLE, CORROSION-RESISTANT, HIGH-NICKEL ALLOYS.
Claims use since Mar. 30, 1948.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 527,599. MINNESOTA LINSEED OIL PAINT COMPANY, doing business as Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind. Filed July 5, 1947.

Applicant claims ownership of registration No. 36,611.
FOR READY MIXED PAINTS, VARNISHES, WOOD STAINS IN THE NATURE OF A COATING, GRAINING COMPOSITIONS IN THE NATURE OF A PAINT, AND WALL FINISHING PAINTS IN READY MIXED POWDER AND PASTE FORM.
Claims use since 1904.

Ser. No. 530,302. M. EWING FOX CO., INC., New York, N. Y. Filed Aug. 2, 1947. Under section 2f of the act of 1946.

MURALITE

Applicant claims ownership of registration No. 64,609.
FOR DECORATIVE WALL FINISH OR CALCIMINE IN THE NATURE OF A PAINT.
Claims use since January 1892.

Ser. No. 530,927. THE FASKI COMPANY, Pasadena, Calif. Filed Aug. 9, 1947.

FASKI

Applicant disclaims the representation of the skis and the syllable "Ski" apart from the mark.
FOR WAXES USED ON BOTTOM SURFACES OF SKIS.
Claims use since Dec. 10, 1946.

Ser. No. 533,355. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

Phelan's

Applicant claims ownership of registrations Nos. 186,209, 154,364, 196,948, 216,048, and 362,984.
FOR HOUSE PAINT, CONCRETE PAINT, AND PAINT COLORS.
Claims use since August 1919.

Ser. No. 536,021. WESSON OIL & SNOWDRIFT CO., INC., New Orleans, La. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

SOUTHPORT

Applicant claims ownership of registration No. 366,510.
FOR READY-MIXED PAINTS, PAINT ENAMELS, PRIMERS IN THE NATURE OF PAINTS, UNDERCOATERS IN THE NATURE OF PAINTS, WASHABLE PAINTS, SEMI-PASTE PAINTS, VARNISHES, WOOD STAINS, CHEMICAL PAINT AND VARNISH REMOVERS, PREPARED SHELLACS AND PAINT DRIERS.
Claims use since September 1934.

Ser. No. 538,018. MANUFACTURING INDUSTRIES, INC., New York, N. Y. Filed Oct. 16, 1947.

M=I

FOR PAINTS IN PASTE, POWDER, AND LIQUID FORM; VARNISHES; LACQUERS; AIR-DRYING AND BAKING ENAMELS; AND PAINT, ENAMEL, AND LACQUER THINNERS.
Claims use since Sept. 9, 1947.

Ser. No. 538,706. ATOMIX INC., Mount Cuba, Del. Filed Oct. 23, 1947.

ATOLAK

FOR LIQUID AUTOMOBILE WAX AND CLEANER.
Claims use since Sept. 2, 1947.

Ser. No. 538,780. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.

ZIN-CHRO

FOR PAINTS (READY-MIXED AND PASTE FORM); PRIMERS AND UNDERCOATERS FOR PAINTS.
Claims use since Jan. 6, 1947.

Ser. No. 538,792. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa. Filed Oct. 23, 1947.

CEMENTECT

Applicant claims ownership of registration No. 197,436.
FOR PAINT IN DRY FORM FOR USE ON CEMENT, STUCCO, BRICK, AND OTHER POROUS SURFACES.
Claims use since Sept. 1, 1915.

Ser. No. 540,907. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio. Filed Nov. 12, 1947.

"37" LINE

The word "Line" is disclaimed.
FOR LACQUERS.
Claims use since Oct. 1, 1945.

Ser. No. 543,639. GEO. S. MEPHAM CORPORATION, East St. Louis, Ill., assignor to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware. Filed Dec. 6, 1947.

CAN-OX

FOR NATURAL IRON OXIDE PIGMENTS ADAPTED ESPECIALLY FOR METAL-PROTECTIVE PRIMING PAINTS.
Claims use since May 2, 1928.

Ser. No. 544,085. M. GRUMBACHER, INC., New York, N. Y. Filed Dec. 11, 1947.

Symphonic

Applicant claims ownership of registration No. 272,789.
FOR ARTISTS' PAINTS, I. E., WATER COLORS.
Claims use since May 1, 1928.

Ser. No. 546,436. SPENCER-ADAMS PAINT CO., INC., Atlanta, Ga. Filed Jan. 7, 1948.

Sunnyday

FOR READY MIXED PAINTS AND PAINT ENAMELS.
Claims use since Nov. 8, 1947.

Ser. No. 546,861. R. N. NASON & CO., San Francisco, Calif. Filed Jan. 13, 1948.

GLYKO-LIN

FOR BULLETIN COLOR PAINTS AND EXTERIOR HOUSE PAINTS.
Claims use since Mar. 18, 1935.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 529,784. D. EMIL KLEIN CO., INC., New York, N. Y. Filed July 28, 1947.

Mayfair

FOR CIGARS.
Claims use since July 9, 1884.

Ser. No. 538,553. P. LORILLARD COMPANY, New York, N. Y. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

JACK ROSE

The mark "Jack Rose" is fanciful.
FOR CIGARS.
Claims use since 1899.

CLASS 19

VEHICLES

Ser. No. 496,528. UNION RAILWAY EQUIPMENT CO., Chicago, Ill. Filed Sept. 17, 1947; originally filed, act of 1905, Feb. 13, 1946.

URECO

Applicant claims ownership of registration No. 197,646.
FOR HORIZONTAL WHEEL HIGH POWER HAND BRAKE SINCE 1913, DROP TYPE HIGH POWER HAND BRAKE SINCE 1913, VERTICAL WHEEL HIGH POWER HAND BRAKE SINCE 1928, DRAFT GEAR CARRIERS SINCE 1925, TOP OPERATING UNCOUPLING DEVICES SINCE 1925, PRESSED STEEL INSIDE WELL TRAP SINCE 1922, MALLEABLE IRON OUTSIDE WELL TRAP SINCE 1937, COUNTERBALANCED TYPE WELL TRAP SINCE 1937, PRESSED STEEL EXTENSION DRAIN SINCE 1922, SELF-LOCKING REFRIGERATOR CAR DOOR HINGES SINCE 1926, WELDED WIRE ICE BASKETS SINCE 1933, BULKHEAD FRAMES SINCE 1933, METAL FLOOR RACKS SINCE 1937, ALL OF THE FOREGOING EQUIPMENT BEING FOR RAILWAY CARS AND PARTICULARLY REFRIGERATOR FREIGHT CARS, AND ALSO FOR SELF-LOCKING TRUCK DOOR BODY HINGES FOR TRAILER TRUCK BODIES SINCE 1926.
Claims use since the dates shown above with the particular goods.

Ser. No. 545,002. INDIAN MOTOCYCLE COMPANY, Springfield, Mass. Filed Dec. 20, 1947.

Indian

Applicant claims ownership of registrations Nos. 39,008, 67,699, 97,053, 98,282, 103,727, 103,728, 274,772, and 351,941.
FOR MOTORCYCLES AND CONSTRUCTIVE PARTS THEREOF.
Claims use since 1898.

Ser. No. 547,106. BEN FEFERMAN MOTOR SALES CORPORATION, South Bend, Ind. Filed Jan. 15, 1948.

Comet

FOR AUTOMOBILE SEAT COVERS.
Claims use since July 19, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 485,799. SPRAGUE PRODUCTS COMPANY, North Adams, Mass. Filed Oct. 13, 1947; originally filed, act of 1905, July 13, 1945. Under section 2f of the act of 1946 as to the feature "Sprague."

SPRAGUE FILTEROL

FOR RADIO INTERFERENCE FILTERS.
Claims use since May 1, 1945.

Ser. No. 523,407. MOTOROLA, INC., Chicago, Ill., assignor to Mitchell Industries, Inc., Mineral Wells, Tex. Filed Sept. 9, 1947; originally filed, act of 1905, June 2, 1947.

Airboy

FOR RADIO APPARATUS, EACH CONSISTING OF A RADIO TRANSMITTER AND/OR RADIO RECEIVER.
Claims use since Sept. 15, 1945.

Ser. No. 531,586. HARLEY-DAVIDSON MOTOR COMPANY, Milwaukee, Wis. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

MOTOR HARLEY-DAVIDSON CYCLES

Applicant disclaims the word "Motor" and the word "Cycles" apart from the mark as shown. Applicant claims ownership of registration No. 271,164.

FOR MOTORCYCLE GENERATORS AND SPARE PARTS FOR SAME, WIRING AND WIRING HARNESSES FOR MOTORCYCLES, SWITCHES, SWITCH PANELS AND SPARE PARTS FOR SAME, ELECTRIC LAMPS AND SPARE PARTS FOR SAME, ELECTRIC LAMP MOUNTINGS AND SPARE PARTS FOR SAME, STORAGE BATTERIES AND SPARE PARTS FOR SAME, SPARK PLUGS, ELECTRIC SIGNS.
Claims use since Dec. 1, 1919.

Ser. No. 534,423. EASTERN FIXTURE COMPANY, Roxbury, Boston, Mass. Filed Sept. 13, 1947.

Eastern

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Aug. 1, 1945.

Ser. No. 534,451. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

TRIP-SAVER

FOR FUSE SWITCHES.
Claims use since Sept. 18, 1935.

Ser. No. 537,704. JAMES R. KEARNEY CORPORATION, St. Louis, Mo. Filed Oct. 13, 1947. Under section 2f of the act of 1946.

fitall

FOR FUSES AND FUSE LINKS.
Claims use since Feb. 9, 1934.

Ser. No. 541,217. STANDARD ARCTURUS CORPORATION, Newark, N. J. Filed Nov. 14, 1947.

ARCTURUS

The representation of a radio tube shown on the drawing is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 255,427, 255,428, 264,314, 276,884, 277,154, 277,341, and 277,351.

FOR RADIO AND ELECTRONIC TUBES.
Claims use since Aug. 15, 1940.

Ser. No. 541,904. THE ALLIANCE MANUFACTURING COMPANY, Alliance, Ohio. Filed Nov. 21, 1947.

alliance

FOR ELECTRIC TURN-TABLES FOR SOUND RECORDING AND REPRODUCING APPARATUS.
Claims use since Dec. 15, 1945.

Ser. No. 567,595. NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Oct. 25, 1948.

"NINE LIVES"

FOR DRY PRIMARY CELLS FOR USE IN FLASHLIGHTS, RADIOS, AND HEARING AIDS AND OTHER USES.
Claims use since 1948.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 511,859. BRENNER MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 20, 1947; originally filed, act of 1905, Nov. 1, 1946.

BIG B

FOR MECHANICAL TOYS—NAMELY, POWER CRANES, POWER SHOVELS, SHOVEL DERRICKS, AND CLAM SHELL DERRICKS.
Claims use since Sept. 20, 1946.

Ser. No. 527,858. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

HYDRAULIC

FOR GOLF BALLS.
Claims use since Aug. 16, 1934.

Ser. No. 527,906. THE SHELDON COMPANY, INCORPORATED, Minneapolis, Minn., assignor to The Sheldon-Detroit Corporation, Minneapolis, Minn., a corporation of Minnesota. Filed July 5, 1947.

REELSPORT

FOR FISH LINE REELS.
Claims use since March 1947.

Ser. No. 529,392. L. K. B. MANUFACTURING CO., Minneapolis, Minn. Filed July 24, 1947.

FLYIN' SAUCER

The representation of a saucer is disclaimed apart from the mark.

FOR TOY COMPRISING A CIRCULAR ELEMENT OR DISC HAVING MEANS FOR SAILING IT THROUGH THE AIR.
Claims use since July 14, 1947.

Ser. No. 529,394. ALMA LE BLANC, sometimes doing business as Lenna Lee's Tiny Town Dolls, San Francisco, Calif. Filed July 24, 1947.

tiny town

The word "Tiny" is disclaimed.
FOR DOLLS.
Claims use since June 6, 1947.

Ser. No. 534,492. W. J. VOIT RUBBER CORP., Los Angeles, Calif. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

VOIT

FOR ATHLETIC EQUIPMENT—NAMELY, TENNIS BALLS, BASKET BALLS, FOOTBALLS, SOCCER BALLS, VOLLEY BALLS, WATER POLO BALLS, TETHER BALLS, BEACH BALLS, HAND BALLS, SOFT BALLS, PLAYGROUND BALLS, BALL BLADDERS, HOCKEY PUCKS, AND HOME PLATES.
Claims use since Jan. 1, 1923.

Ser. No. 536,493. RAYMOND E. BROWN, doing business as Brown Tool & Mfg. Co., Westfield, Mass. Filed Oct. 2, 1947.

BRADCO

FOR FISH LINE REELS.
Claims use since May 1, 1947.

Ser. No. 536,752. BOLA TOYS, INCORPORATED, Greenwich, Conn. Filed Oct. 4, 1947.

SunBird

FOR TOYS HAVING LIGHT REFLECTING SURFACES SIMULATING AIRPLANE FORMS.
Claims use since July 25, 1947.

Ser. No. 543,443. HARRIS & GORDON, San Francisco, Calif. Filed Dec. 5, 1947.

The word "Reel" and the representation of a reel are disclaimed apart from the mark.
FOR FISHING TACKLE, SUCH AS RODS, REELS, LINES, HOOKS, LURES, AND LEADERS.
Claims use since July 1, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 494,125. ROTARY LIFT COMPANY, Memphis, Tenn. Filed July 8, 1947; originally filed, act of 1905, Dec. 29, 1945.

LEVA-DOCK

The word "Dock" is disclaimed apart from the mark as shown.
FOR COMBINED HYDRAULIC LIFT AND ADJUSTABLE PLATFORM FOR BRIDGING BETWEEN A LOADING PLATFORM AND A VEHICLE, SUCH AS A TRUCK, AND UPON WHICH LOADS MAY BE TRANSFERRED BETWEEN THE VEHICLE AND LOADING PLATFORM.
Claims use since Nov. 16, 1945.

Ser. No. 528,354. MICROMATIC HONE CORPORATION, Detroit, Mich. Filed July 11, 1947.

HYDROSIZE

FOR FLUID ACTUATED SIZE CONTROL MECHANISM APPLIED TO A HONING MACHINE FOR TERMINATING THE HONING OPERATION WHEN BORE SIZE IS REACHED.
Claims use since Jan. 4, 1946.

Ser. No. 530,540. MERCO CENTRIFUGAL CO., San Francisco, Calif. Filed Aug. 5, 1947.

MERCO

FOR INDUSTRIAL CENTRIFUGES FOR EXTRACTING SOLIDS FROM FLUIDS AND FOR CONCENTRATING SOLIDS.
Claims use since June 30, 1937.

Ser. No. 530,541. MERCO CENTRIFUGAL CO., San Francisco, Calif. Filed Aug. 5, 1947.

FOR INDUSTRIAL CENTRIFUGES FOR EXTRACTING SOLIDS FROM FLUIDS AND FOR CONCENTRATING SOLIDS.
Claims use since June 30, 1937.

Ser. No. 530,918. THE BLANCHARD MACHINE COMPANY, Cambridge, Mass. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

BLANCHARD

FOR VERTICAL SPINDLE, SURFACE GRINDING MACHINES IN WHICH AN ABRASIVE WHEEL, CARRIED BY THE SPINDLE, IS CAUSED TO TRAVEL ACROSS THE WORK SURFACE AND PARTS THEREOF.
Claims use since May 29, 1917.

Ser. No. 530,943. THE LERIO CORPORATION, Mobile, Ala. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

Lerio

FOR RECIPROCATING PISTON TYPE WATER WELL PUMPS.
Claims use since Mar. 11, 1938.

Ser. No. 531,419. AMERICAN-MARSH PUMPS, INC., Battle Creek, Mich. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

BARTON

Applicant claims ownership of registration No. 421,917.
FOR CENTRIFUGAL PUMPS FOR FIRE APPARATUS.
Claims use since Jan. 1, 1924.

Ser. No. 532,388. THE DILL MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 30, 1947.

POMTONGS

FOR FOOD HANDLING AND SERVING TOOLS IN THE NATURE OF TONGS FORMED OF BASE METAL.
Claims use since Sept. 1, 1930.

Ser. No. 532,766. UARCO INCORPORATED, Chicago, Ill. Filed Aug. 28, 1947.

TABULINER

FOR MACHINE FOR FEEDING STATIONERY THROUGH A BUSINESS MACHINE.
Claims use since September 1936.

Ser. No. 532,862. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

Oster

Applicant claims ownership of registrations Nos. 207,269 and 368,541.
FOR HAND OPERATED HAIR CLIPPERS FOR HUMAN, ANIMAL, AND INDUSTRIAL USES, AND SEPARATE BLADES THEREFOR; PORTABLE ELECTRIC HAIR CLIPPERS FOR HUMAN, ANIMAL AND INDUSTRIAL USES AND SEPARATE CUTTER HEADS AND CLIPPER BLADES THEREFOR; ELECTRIC RAZORS; ELECTRIC BENCH GRINDERS; AND REPAIR AND REPLACEMENT PARTS FOR THE ABOVE GOODS.
Claims use since Nov. 1, 1924.

Ser. No. 534,705. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

DOUBL-TITE

Applicant claims ownership of registration No. 378,852.
FOR EXHAUST MUFFLERS FOR INTERNAL COMBUSTION ENGINES.
Claims use since April 1939.

Ser. No. 535,417. MCGLYNN HAYS INDUSTRIES, INC., Belleville, N. J. Filed Sept. 23, 1947. Under section 2f of the act of 1946 as to "McGlynn" and "Hays."

McGLYNN

HAYS

FOR TEXTILE MACHINERY—NAMELY, WORSTED RING SPINNING FRAMES.
Claims use since 1900 as to McGlynn Hays; and since July 24, 1947, on the mark as shown.

Ser. No. 535,670. AETNA BALL & ROLLER BEARING COMPANY, Chicago, Ill. Filed Sept. 25, 1947.

AETNA

FOR BALL BEARINGS AND ROLLER BEARINGS.
Claims use since 1916.

Ser. No. 540,532. THE FAIR, Chicago, Ill. Filed Nov. 8, 1947.

Kenilworth

FOR RAZOR BLADES.
Claims use since November 1937.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 536,042. BUTTS MANUFACTURING CO., Los Angeles, Calif. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

WATERHOUSE

FOR LAUNDRY APPLIANCES—NAMELY, CLOTHES DRYERS.
Claims use since July 1922.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 452,991. P. A. STURTEVANT CO., Addison, Ill. Filed Aug. 5, 1947; originally filed, act of 1905, May 13, 1942. Under section 2f of the act of 1946.

P.A. STURTEVANT CO.

FOR VALVE AND CLUTCH SPRING TESTERS AND TORQUE TESTERS.
Claims use since April 1940.

Ser. No. 479,328. BOWERS, INC., Fort Wayne, Ind. Filed Jan. 23, 1948; originally filed, act of 1905, Feb. 2, 1945.

SERV-A-CAR

Applicant claims ownership of registration No. 391,051.
FOR MEASURING AND DISPENSING APPARATUS FOR GASOLINE OR OTHER LIQUIDS.
Claims use since Dec. 20, 1944.

Ser. No. 492,306. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich. Filed July 9, 1947; originally filed, act of 1905, Nov. 28, 1945. Under section 2f of the act of 1946.

Burroughs

Applicant claims ownership of registrations Nos. 66,134, 333,110, 343,430, 343,467, 335,153, and 335,607.
FOR SLIP COVERS FOR, NAMELY—ADDING MACHINES, LISTING MACHINES, CALCULATING MACHINES, KEY OPERATED CALCULATORS, AUTOMATIC CALCULATORS, BOOKKEEPING MACHINES, ACCOUNTING MACHINES, STATISTICAL MACHINES, BILLING MACHINES, TYPEWRITER-CALCULATING MACHINES, CASH MACHINES, AND FOR CASH REGISTERS.
Claims use since June 8, 1922.

Ser. No. 514,482. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Feb. 25, 1948; originally filed, act of 1905, Dec. 17, 1946.

EMPIRE

FOR OSCILLATING TYPE METERS FOR THE MEASUREMENT OF WATER, OIL, AND OTHER LIQUIDS.
Claims use since November 1885.

Ser. No. 519,015. GENERAL HARDWARE MFG. CO. INC., New York, N. Y. Filed Feb. 26, 1948; originally filed, act of 1905, Mar. 14, 1947.

GENERAL

FOR DRILL GAGES, MULTI-USE RULE AND GAGE, PROTRACTORS, STEEL RULES, VERNIER CALIPERS, DEPTH AND ANGLE GAGES, CENTER GAGES, TELESCOPIC GAGES, TOOLMAKER'S DIVIDERS, OUTSIDE SPRING CALIPERS, INSIDE SPRING CALIPERS, COMBINATION SQUARE AND MITRE, PRECISION V-BLOCKS, PLUMB BOBS AND DRILL GAGES IN THE FORM OF STANDS.
Claims use since 1937.

Ser. No. 520,833. O. F. MOSSBERG & SONS, INC., New Haven, Conn. Filed Dec. 16, 1947; originally filed, act of 1905, Apr. 17, 1947. Under section 2f of the act of 1946.

Spotshot

FOR TELESCOPES, SUPPORTING BASES, AND PARTS THEREOF.
Claims use since Aug. 1, 1936.

Ser. No. 523,023. CLAY-ADAMS COMPANY, INC., New York, N. Y. Filed Jan. 20, 1948; originally filed, act of 1905, May 26, 1947. Under section 2f of the act of 1946.

SCOPELITE

FOR MICROSCOPE ELECTRIC LIGHT SOURCE EQUIPPED WITH DAYLIGHT FILTER TO PROVIDE UNIFORM ILLUMINATION APPROXIMATING DAYLIGHT AND ADAPTED TO BE USED EITHER AS A SUB-STAGE LAMP OR IN FRONT OF THE MICROSCOPE MIRROR.
Claims use since May 1940.

Ser. No. 535,122. BERNDT-BACH, INCORPORATED, Los Angeles, Calif. Filed Sept. 20, 1947.

AURICON

FOR 16 MM. SOUND-ON-MOTION-PICTURE-FILM RECORDING EQUIPMENT, NAMELY—CAMERAS, APPARATUS FOR RECORDING SOUND-ON-MOTION PICTURE FILM, ELECTRO-MECHANICAL POWER UNITS FOR DRIVING MOTION PICTURE FILM, GALVANOMETERS, SOUND PROOF HOUSINGS FOR MOTION PICTURE CAMERAS, AUDIO AMPLIFIERS FOR RECORDING SOUND ON MOTION PICTURE FILM, AND CAMERA FINDERS.
Claims use since July 26, 1940.

Ser. No. 537,424. SAUL COHEN, doing business as Raynard Optical Co., Brooklyn and New York, N. Y., assignor to Saul Cohen and Louis F. Stutland, doing business as Raynard Optical Company, New York, N. Y. Filed Oct. 10, 1947.

"Vel-Ray"

The word "Ray" is disclaimed apart from the mark.
FOR OPTICAL GOODS—NAMELY, LENSES FOR SUNGLASSES.
Claims use since June 14, 1946.

Ser. No. 544,866. K. HUGHES, doing business as Hughes Manufacturing Company, Tyler, Tex. Filed Dec. 19, 1947.

The words "Cream Dispenser" are disclaimed apart from the mark.
FOR COFFEE CREAM DISPENSERS HAVING A MANUALLY ACTUATED METERING VALVE FOR DISPENSING A PREDETERMINED QUANTITY OF CREAM.
Claims use since Oct. 21, 1947.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 547,616. CLEBAR WATCH CO., INC., New York, N. Y. Filed Jan. 21, 1948.

CLEBAR

FOR WATCHES, CLOCKS, WATCH CASES AND WATCH PARTS, AND WATCH MOVEMENTS.
Claims use since Sept. 21, 1925.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 523,986. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Feb. 18, 1948; originally filed, act of 1905, June 11, 1947.

CLARION

FOR SILVERPLATED FLAT TABLEWEAR.
Claims use since 1931.

Ser. No. 524,007. ONEIDA, LTD., Sherrill and Oneida, N. Y. Filed Feb. 18, 1948; originally filed, act of 1905, June 11, 1947.

RIBBON ROSE

The word "Rose" is disclaimed apart from the mark.
FOR STERLING SILVER FLAT TABLEWARE.
Claims use since 1942.

Ser. No. 524,009. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Feb. 18, 1948; originally filed, act of 1905, June 11, 1947.

SENTINEL

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1938.

Ser. No. 528,439. FRENCH JEWELRY CO., Philadelphia, Pa. Filed July 12, 1947.

FOR ORNAMENTAL JEWELRY—NAMELY, PINS, BROOCHES, NECKLACES, PENDANTS, FINGER RINGS, BRACELETS, LOCKETS, EARRINGS, AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, COMPACTS, ARM BANDS, SHOE BUCKLES, AND HAIR ORNAMENTS.
Claims use since Jan. 1, 1933.

Ser. No. 534,481. THEODORE SPECTOR, doing business as Metro Leather Novelty Co., New York, N. Y. Filed Sept. 13, 1947.

Spectrome

FOR LEATHER WRISTWATCH STRAPS.
Claims use since October 1946.

Ser. No. 535,445. ALLIED STORES CORPORATION, New York, N. Y., doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Filed Sept. 24, 1947.

Illusion

FOR SIMULATED PEARLS AND ORNAMENTAL JEWELRY CONTAINING SIMULATED PEARLS—NAMELY, NECKLACES, EARRINGS, BRACELETS, FINGER RINGS, BROOCHES, STICK-PINS, AND CUFF LINKS.
Claims use since June 30, 1947.

Ser. No. 542,693. UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Nov. 28, 1947.

Stylecraft Gems

Applicant disclaims exclusive right to the use of the word "Gems" alone.
FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, BROOCHES, BRACELETS, NECKLACES, PINS, AND EARRINGS.
Claims use since Mar. 11, 1938.

CLASS 21

CUTLERY, MACHINES AND TOOLS, AND GENERAL HARDWARE

Ser. No. 542,694. UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Nov. 28, 1947.

Stylerite

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES — NAMELY, BROOCHES, BRACELETS, NECKLACES, PINS, AND EARRINGS.
Claims use since May 29, 1941.

Ser. No. 542,942. NILS HERTZ, doing business as H. Nils, New York, N. Y. Filed Dec. 2, 1947.

H.NILS Danish Silver

No claim is made to the words "Danish Silver" apart from the mark. The name "H. Nils" is fanciful, being coined by a transposition of applicant's name.
FOR DANISH STERLING SILVER FLATWARE, HOLLOW WARE, TABLEWARE, TOILET WARE.
Claims use since June 17, 1947.

Ser. No. 545,174. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 22, 1947.

FOR SILVER AND SILVER PLATED TABLE FLATWARE.
Claims use since Apr. 1, 1947.

Ser. No. 545,300. SPEIDEL CORPORATION, Providence, R. I. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

Speidel

FOR JEWELRY, NOT INCLUDING WATCHES—NAMELY, BRACELETS, NECK CHAINS, WATCH CHAINS, KEY CHAINS, ORNAMENTAL CHAINS BY THE FOOT, NECKLACES, ORNAMENTAL PINS, ORNAMENTAL CLIPS, EAR RINGS, ANKLETS, LOCKETS, CHARMS, ORNAMENTAL CROSSES, EYEGLASS CHAINS, TIE HOLDERS, CUFF LINKS, SHIRT STUDS, COLLAR HOLDERS, JEWELRY FINDINGS AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, KEY RINGS, DRESS ORNAMENTS, POCKET KNIVES, MONEY CLIPS, AND BIB HOLDERS.
Claims use since Apr. 1, 1932.

Ser. No. 545,546. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Feb. 12, 1948.

Lord Robert

FOR STERLING SILVER FLATWARE AND HOLLOWWARE FOR TABLE AND ORNAMENTAL USE.
Claims use since Jan. 26, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 545,759. OX FIBRE BRUSH COMPANY, INC., Frederick, Md. Filed Dec. 30, 1947.

GONG

FOR BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS.
Claims use since 1896.

Ser. No. 545,760. OX FIBRE BRUSH COMPANY, INC., Frederick, Md. Filed Dec. 30, 1947.

GONG

FOR BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS.
Claims use since 1896.

Ser. No. 545,761. OX FIBRE BRUSH COMPANY, INC., Frederick, Md. Filed Dec. 30, 1947.

GONG OX

FOR BRUSHES—NAMELY, SCRUB, STREET, TOILET, CLOTHES, SPITTOON, WALL, FLOOR, HAIR, HORSE, NAIL, AND HAND; BROOMS AND FLOOR MOPS.
Claims use since Feb. 14, 1946.

Ser. No. 546,276. ATLANTIC SOUTHWESTERN BROOM CO., Baltimore, Md. Filed Jan. 6, 1948.

NIAGARA

Applicant claims ownership of registration No. 151,017.
FOR BROOMS.
Claims use since Oct. 8, 1920.

Ser. No. 546,277. ATLANTIC SOUTHWESTERN BROOM CO., Baltimore, Md. Filed Jan. 6, 1948.

Yellowstone

Applicant claims ownership of registration No. 151,016.
FOR BROOMS.
Claims use since Oct. 12, 1920.

Ser. No. 546,282. DELTA BRUSH MFG. CORP., New York, N. Y. Filed Jan. 6, 1948.

DELTA

FOR PAINT BRUSHES INCLUDING THOSE WITH QUILL HANDLES.
Claims use since July 1, 1941.

Ser. No. 547,942. ROUX DISTRIBUTING CO. INC., New York, N. Y. Filed Jan. 24, 1948.

ROUX

FOR BRUSHES FOR APPLYING COLORING TO THE HAIR.
Claims use since July 8, 1947.

Ser. No. 547,997. JANITORS SUPPLY HOUSE, INCORPORATED, Baltimore, Md. Filed Jan. 26, 1948.

JAN-O

FOR MOPS, BROOMS, AND BRUSHES.
Claims use since 1923.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 516,875. TYLER FIXTURE CORPORATION, Niles, Mich. Filed Aug. 22, 1947; originally filed, act of 1905, Feb. 3, 1947. Under section 2f of the act of 1946.

TYLER

FOR COMMERCIAL REFRIGERATORS.
Claims use since 1938.

Ser. No. 528,775. DE LUXE PRODUCTS CORPORATION, La Porte, Ind. Filed July 17, 1947. Under section 2f of the act of 1946.

CLEAR-OIL

Applicant claims ownership of registration No. 357,233.
FOR OIL FILTERS USED AS ACCESSORIES FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 5, 1934.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 537,447. GERTZ AND COOK, INC., Los Angeles, Calif. Filed Oct. 10, 1947.

"Linoleum Louie"

"I'll Floor You"

The words "I'll Floor You" are disclaimed apart from the mark.
FOR CLOTH WINDOW SHADES AND VENETIAN BLINDS MADE OF METAL AND WOOD.
Claims use since April 1947.

Ser. No. 541,582. THE SENO COMPANY, Chicago, Ill. Filed Nov. 18, 1947.

Stu-Divan

The word "Divan" is disclaimed apart from the mark.
FOR MECHANICAL DEVICES FOR SOFA BEDS.
Claims use since May 31, 1947.

Ser. No. 541,762. ACME VISIBLE RECORDS, INC., Chicago,

CLASS 33

Ser. No. 517,149. BREESE BURNERS, INC., Santa Fe, N.

Ser. No. 532,354. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

Ser. No. 541,762. ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed July 23, 1947. Under section 2f of the act of 1946.

SUPER VISIBLE

Applicant claims ownership of registration No. 429,219.
FOR FILING CABINETS AND FILING CABINET DRAWERS.
Claims use since June 1937.

Ser. No. 541,899. WEST BEND EQUIPMENT CORPORATION, West Bend, Wis. Filed Nov. 20, 1947. Under section 2f of the act of 1946.

"Weld-Bilt"

Applicant claims ownership of registration No. 284,238.
FOR BARREL STANDS AND BARREL RACKS.
Claims use since Mar. 31, 1930.

Ser. No. 542,512. ARNOLD W. BECKER & CO., INC., New York, N. Y. Filed Nov. 28, 1947.

BECO

FOR BOX SPRINGS, PILLOWS, SOFA BEDS, STUDIO COUCHES, AND MATTRESSES.
Claims use since May 15, 1947.

Ser. No. 547,105. ROY DISHMAN, doing business as Sho-All Company, Paducah, Ky. Filed Jan. 15, 1948.

SHO-ALL

Applicant claims ownership of registration No. 241,270.
FOR DISPLAY RACKS OR FIXTURES FOR DISPLAYING NECKTIES.
Claims use since Jan. 2, 1936.

Ser. No. 554,889. FAIRFIELD INDUSTRIES, Fairfield, Conn. Filed Apr. 17, 1948.

futurama

FOR LIVING ROOM FURNITURE—NAMELY, COMMODES, COCKTAIL TABLES, BREAKFRONTS, LAMP TABLES, PIER CABINETS, COFFEE TABLES, DESKS, SECRETARIES, CREDENZAS; DINING ROOM FURNITURE—NAMELY, TABLES, BUFFETS, SERVERS, ARM CHAIRS, SIDE CHAIRS, AND COCKTAIL TABLES; AND BEDROOM FURNITURE—NAMEDY, BEDS, DRESSERS, CHESTS, VANITIES, NIGHT TABLES, VANITY BENCHES, BOUDOIR CHAIRS, AND COMMODES.
Claims use since Aug. 28, 1946.

CLASS 33

GLASSWARE

Ser. No. 537,986. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 16, 1947.

Club

Applicant claims ownership of registration No. 397,884.
FOR GLASS COOKINGWARE.
Claims use since Sept. 7, 1945.

Ser. No. 538,612. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 22, 1947.

Club
Glass Cookware

The words "Glass Cookware" are disclaimed apart from the mark. Applicant claims ownership of registration No. 397,884.
FOR GLASS COOKINGWARE, SUCH AS: TOP OF STOVE HEAT RESIST GLASS SAUCE PANS, DOUBLE BOILERS, TEA POTS, TEA KETTLES, DRIP COFFEE MAKERS, VACUUM COFFEE MAKERS, AND PERCOLATORS.
Claims use since Oct. 16, 1946.

Ser. No. 538,613. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 22, 1947.

Club

Applicant claims ownership of registration No. 397,884.
FOR GLASS COOKINGWARE.
Claims use since Aug. 22, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 500,724. AMERICAN CRUCIBLE COMPANY, North Haven, Conn. Filed Sept. 4, 1947; originally filed, act of 1905, Apr. 23, 1946.

STARRBIDE

FOR CRUCIBLES FOR HEATING, MELTING, CONVEYING, AND POURING METALS, ALLOYS, AND CHEMICALS, AND WHICH CRUCIBLES ARE CARBON BONDED AND CONTAIN AS ESSENTIAL INGREDIENTS SILICON CARBIDE AND GRAPHITE.
Claims use since Apr. 5, 1946.

Ser. No. 517,149. BREESE BURNERS, INC., Santa Fe, N. Mex., assignee of Oil Devices. Filed July 9, 1948; originally filed, act of 1905, Feb. 7, 1947.

RHEOTROL

FOR LIQUID FUEL CONTROL UNITS FOR CONTROLLING THE FLOW OF LIQUID FUEL TO A BURNER, SUCH UNITS BEING ADAPTABLE FOR USE WITH VAPORIZING OIL BURNERS EMPLOYED IN SPACE HEATERS, FURNACES, STOVES, HOT WATER HEATERS, AND OTHER HEATERS, AND SPARE AND REPAIR PARTS THEREOF, OTHER THAN ELECTRIC PARTS.
Claims use since Aug. 24, 1944.

Ser. No. 527,850. A. O. SMITH CORPORATION, Milwaukee, Wis. Filed July 5, 1947. Under section 2f of the act of 1946.

A.O. SMITH Sway mith

Mr. A. O. Smith, the founder of the applicant corporation, is not living. Applicant claims ownership of registrations Nos. 421,727 and 422,149.
FOR WATER HEATERS AND INDUSTRIAL HEAT EXCHANGERS AND PARTS THEREOF AND AUTOMATIC STOKERS AND PARTS THEREOF.
Claims use since Jan. 6, 1941.

Ser. No. 532,352. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

SAFEWAY

Applicant claims ownership of registration No. 262,413.
FOR WATER HEATERS USING GAS AS A FUEL.
Claims use since June 1, 1924.

Ser. No. 532,353. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

AVALON

Applicant claims ownership of registration No. 244,840.
FOR WATER HEATERS USING GAS AS A FUEL.
Claims use since Jan. 3, 1927.

Ser. No. 532,354. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

PRESIDENT

Applicant claims ownership of registration No. 239,223.
FOR GAS BURNING WATER HEATERS.
Claims use since Feb. 1, 1927.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 519,451. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Aug. 20, 1947; originally filed, act of 1905, Mar. 22, 1947.

GUARDIAN

Applicant claims ownership of registration No. 298,072.
FOR BICYCLE TIRES.
Claims use since Jan. 30, 1947.

Ser. No. 548,582. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 2, 1948.

LIFEGUARD

The sectional view of an inner tube is disclaimed.
FOR INNER TUBES FOR VEHICLE TIRES.
Claims use since Feb. 22, 1935.

Ser. No. 554,600. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Apr. 14, 1948.

HISPIRE

FOR HOSE.
Claims use since 1909.

Ser. No. 554,602. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Apr. 14, 1948.

IRONSIDES

FOR BELTING, HOSE, RUBBER DIAPHRAGMS FOR PUMPS AND SCREENS, AND DREDGING SLEEVES EMPLOYED AS FLEXIBLE CONNECTIONS BETWEEN PIPES USED FOR CARRYING DREDGED MATERIAL.
Claims use since 1909.

Ser. No. 557,823. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass. Filed May 26, 1948.

CLASS 37

PAPER AND STATIONERY

Ser. No. 537,009. COLONIAL PEN CORPORATION, New York, N. Y. Filed Oct. 7, 1947.

Ser. No. 538,689. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947.

Ser. No. 557,823. BOSTON WOVEN HOSE & RUBBER COMPANY, Cambridge, Mass. Filed May 26, 1948.

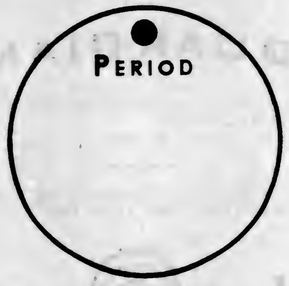
CYCLOPS

Applicant claims ownership of registration No. 242,793.
FOR RUBBER BELTING, STITCHED CANVAS BELTING, AND RUBBER OR RUBBER AND FABRIC HOSE.
Claims use since Jan. 1, 1910.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 533,035. EUGENE R. LEWIS, Omaha, Nebr. Filed Sept. 2, 1947.



No claim is made to the outline representation of a label.
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Aug. 4, 1947.

Ser. No. 564,049. PERMO INCORPORATED, Chicago, Ill. Filed July 22, 1948.

PERMO

POINT

The word "Point" together with the representation of the phonograph record and phonograph needle is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 335,177, 383,589, 407,006, and 410,044.
FOR PHONOGRAPH NEEDLES.
Claims use since Jan. 18, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 481,902. PAN-AMERICAN WALL PAPER & PAINT COMPANY, Chicago, Ill. Filed Aug. 28, 1947; originally filed, act of 1905, Apr. 9, 1945. Under section 2f of the act of 1946.

FOR WALL PAPER.
Claims use since Jan. 1, 1940.

Ser. No. 530,959. THE REYNOLDS MANUFACTURING COMPANY, Holyoke, Mass. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

MOUNT TOM

FOR WRITING, LEDGER, BOND MANIFOLD AND DUPLICATING PAPERS AND SCHOOL TABLETS.
Claims use since Jan. 1, 1924.

Ser. No. 533,980. BICKLEY MANUFACTURING CO., Bala-Cynwyd, Pa. Filed Sept. 10, 1947.

DESKETTE

FOR COMBINATION PAPER CLIP AND PORTABLE BACKER FOR WRITING PAPER.
Claims use since July 10, 1945.

Ser. No. 536,664. BLUE ROBBIN CORPORATION, New York, N. Y. Filed Oct. 3, 1947.

SpeedEraser

Applicant disclaims sole use of the word "Eraser" apart from the mark.
FOR RUBBER ERASERS.
Claims use since Aug. 14, 1947.

Ser. No. 537,009. COLONIAL PEN CORPORATION, New York, N. Y. Filed Oct. 7, 1947.

REVERE

FOR FOUNTAIN PENS AND WRITING PENCILS.
Claims use since Sept. 20, 1947.

Ser. No. 537,607. MOUNTIES, INC., Boston, Mass. Filed Oct. 11, 1947.

The drawing is lined for shading only.
FOR GUMMED CLOTH PHOTO HINGES.
Claims use since Aug. 1, 1941.

Ser. No. 537,785. COLONIAL PEN CORPORATION, New York, N. Y. Filed Oct. 14, 1947.

ACCURITE

FOR FOUNTAIN PENS AND WRITING PENCILS.
Claims use since Sept. 30, 1947.

Ser. No. 537,786. COLONIAL PEN CORPORATION, New York, N. Y. Filed Oct. 14, 1947.

FLEXRITE

FOR FOUNTAIN PENS AND WRITING PENCILS.
Claims use since Sept. 30, 1947.

Ser. No. 538,688. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947. Under section 2f of the act of 1946.

PENN LINEN

Applicant disclaims any right to the word "Linen" apart from the mark as shown. Applicant claims ownership of registration No. 431,424.
FOR PAPER TABLETS, ENVELOPES, AND PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES.
Claims use since Apr. 1, 1894.

Ser. No. 538,689. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947.

KEYSTONE

Applicant claims ownership of registrations Nos. 74,905, 74,904, and 438,120.
FOR PAPER TABLETS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; LOOSE PAPER FOR DRAWING OR OTHER ART PURPOSES PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; PAPER PACKETS OR FOLDERS FOR LOOSE PAPER; AND INDEX CARDS OR GUIDES.
Claims use since 1879.

Ser. No. 538,692. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio. Filed Oct. 22, 1947.

Applicant claims ownership of registrations Nos. 71,108, 74,904, and 438,120.
FOR PAPER TABLETS; ACCOUNT, DATA OR ORDER BOOKS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED; PAPETERIES, I. E., STATIONERY, COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES; AND ENVELOPES.
Claims use since Feb. 20, 1906.

Ser. No. 540,689. MAJESTIC PAPER CORPORATION, New York, N. Y. Filed Nov. 10, 1947.

MAJESTIC

FOR TYPEWRITING PAPER, PRINTING PAPER, AND ENVELOPES USED FOR CORRESPONDENCE.
Claims use since 1915.

Ser. No. 543,316. NEENAH PAPER COMPANY, Neenah, Wis. Filed Dec. 4, 1947.

CRYSTALLITE

Applicant claims ownership of registration No. 244,251.
FOR BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER.
Claims use since 1913.

Ser. No. 530,706. AMERICAN TRADE MAGAZINES, INC., Chi-

Ser. No. 541,813. COMPLETE SERVICE PUBLISHING COM-

Ser. No. 550,419. NATIONAL RIFLE ASSOCIATION OF AMERICA, Washington, D. C. Filed Mar. 1, 1948. Un-

Ser. No. 543,673. WESTON INTERNATIONAL ASSOCIATES, New York, N. Y. Filed Dec. 6, 1947.

WESTON

WESTPOINTER

The word "Weston" is disclaimed apart from the mark.
FOR FOUNTAIN PENS OF THE BALL-POINT TYPE.
Claims use since Oct. 6, 1947.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 515,390. REAL ADVENTURES PUBLISHING CO., New York, N. Y. Filed Oct. 16, 1947; originally filed, act of 1920, Jan. 7, 1947.

COWBOY-LIFE ROMANCES
Lariat
STORY MAGAZINE

The descriptive words "Cowboy-Life Romances" and "Story Magazine" are disclaimed.
FOR FICTION MAGAZINE.
Claims use since July 1925.

Ser. No. 527,092. CURT TEICH & COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

PHOTO-PLATIN

Applicant claims ownership of registration No. 336,173.
FOR MULTI-COLORED POST CARDS AND PICTORIAL ILLUSTRATIONS.
Claims use since Oct. 1, 1932.

Ser. No. 530,705. AMERICAN TRADE MAGAZINES, INC., Chicago, Ill. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

American LAUNDRY DIGEST

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since Jan. 15, 1936.

Ser. No. 530,706. AMERICAN TRADE MAGAZINES, INC., Chicago, Ill. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

American DRYCLEANER

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since April 1, 1934.

Ser. No. 536,356. EQUIPMENT DIGEST PUBLISHING COMPANY, Cleveland, Ohio. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

NEW EQUIPMENT DIGEST

Applicant claims ownership of registration No. 363,133.
FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO EQUIPMENT, IMPROVEMENTS, PROCESSES, MATERIALS, METHODS, APPLICATIONS, AND LITERATURE.
Claims use since June 13, 1938.

Ser. No. 539,687. FOX FEATURE SYNDICATE, INC., New York, N. Y. Filed Oct. 31, 1947.

A1 GREAT

FOR BI-MONTHLY PUBLICATION.
Claims use since Dec. 4, 1945.

Ser. No. 541,527. THE ENTERPRISE PUBLISHING COMPANY, Brockton, Mass. Filed Nov. 18, 1947.

Brockton Daily Enterprise

No claim is made to the words "Brockton" and "Daily" apart from the mark. Applicant claims ownership of registrations Nos. 317,958 and 270,775.
FOR DAILY NEWSPAPER.
Claims use since March 1930.

Ser. No. 541,813. COMPLETE SERVICE PUBLISHING COMPANY, Chicago, Ill. Filed Nov. 20, 1947.

PIT AND QUARRY

Applicant claims ownership of registration No. 371,675.
FOR MAGAZINES, EQUIPMENT DISTRIBUTOR'S DIGEST, AND HANDBOOK RELATING TO THE NON-METALLIC MINERALS INDUSTRY.
Claims use since October 1916.

Ser. No. 541,874. NATIONAL BROADCASTING COMPANY, INC., New York, N. Y. Filed Nov. 20, 1947.

Applicant claims ownership of registration No. 370,295.
FOR MAGAZINE RELATING TO NEWS, COMMENT, AND PROGRAMS IN RADIO BROADCASTING ISSUED FROM TIME TO TIME.
Claims use since July 1943.

Ser. No. 542,347. THE PETROLEUM PUBLISHING COMPANY, Tulsa, Okla. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

the OIL AND GAS JOURNAL

Applicant claims ownership of registrations Nos. 191,720 and 424,404.
FOR PERIODICAL PUBLICATIONS.
Claims use since June 1910.

Ser. No. 559,419. NATIONAL RIFLE ASSOCIATION OF AMERICA, Washington, D. C. Filed Mar. 1, 1948. Under section 2f of the act of 1946.

The AMERICAN RIFLEMAN

Applicant claims ownership of registration No. 239,550.
FOR MONTHLY PUBLICATION.
Claims use since May 1, 1923.

CLASS 39

CLOTHING

Ser. No. 488,656. NATIONAL HOSIERY MILLS, INC., Indianapolis, Ind. Filed Apr. 23, 1948; originally filed, act of 1905, Sept. 18, 1945.

Solitaire

"majesto"

Applicant claims ownership of registration No. 379,447.
FOR HOSIERY.
Claims use since August 1940.

Ser. No. 516,962. CRADDOCK-TERRY SHOE CORPORATION, doing business as Witt's, Lynchburg, Va. Filed Jan. 20, 1948; originally filed, act of 1905, Feb. 5, 1947. Under section 2f of the act of 1946.

Betty Smart

The name "Betty Smart" is fanciful.
FOR SHOES MADE OF FABRICS AND LEATHER, OR COMBINATIONS THEREOF.
Claims use since Nov. 17, 1938.

Ser. No. 524,361. THE W. L. KREIDER'S SONS MFG. CO. INC., Palmyra, Pa. Filed Aug. 20, 1947; originally filed, act of 1905, June 17, 1947.

Ruggies

FOR INFANTS', CHILDREN'S, MISSES', AND GROWING GIRLS' SHOES, MADE OF LEATHER, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since January 1937.

Ser. No. 527,454. TROJAN HOSIERY MILLS, INC., Indian-

Ser. No. 533,739. HARRISON HOSIERY MILLS, INC.,

Ser. No. 534,643. LISBON SHOPS MANAGEMENT CORPORA-

Ser. No. 536,141. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 29, 1947.

Ser. No. 527,654. TROJAN HOSIERY MILLS, INC., Indianapolis, Ind. Filed July 5, 1947. Under section 2f of the act of 1946.

BEAUTY PLUS

FOR HOSIERY.
Claims use since July 15, 1931.

Ser. No. 531,266. WAYNE KNITTING MILLS, Fort Wayne, Ind. Filed Aug. 13, 1947.

DUCHESS

Applicant claims ownership of registration No. 374,373.
FOR STOCKINGS.
Claims use since August 1932.

Ser. No. 531,272. WEINBERG CORPORATION, Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Oxford

Applicant claims ownership of registration No. 315,727.
FOR MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS.
Claims use since November 1912.

Ser. No. 532,580. FIRST LADY LINGERIE CORP., New York, N. Y. Filed Aug. 27, 1947.

Lady Crest

FOR LINGERIE — NAMELY, LADIES' PANTIES, STEPINS, NIGHTGOWNS, PAJAMAS, CHEMISES, AND BLOOMERS.
Claims use since July 18, 1947.

Ser. No. 533,739. HARRISON HOSIERY MILLS, INC., Brighton, Mass. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

WALTHAM *Precision Fit* HOSIERY

The words "Precision Fit Hosiery" are disclaimed apart from the mark. Applicant claims ownership of registration No. 399,274.
FOR LADIES' HOSIERY.
Claims use since June 1, 1941.

Ser. No. 534,436. C. F. HATHAWAY CO., Waterville, Maine. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

BI-ANGLE STAY COLLAR

No claim is made to the word "Collar" apart from the mark as shown. Applicant claims ownership of registration No. 389,303.
FOR OUTER SHIRTS.
Claims use since Mar. 1, 1940.

Ser. No. 534,483. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa. Filed Sept. 13, 1947.

The word "Nylons" is disclaimed apart from the mark shown.
FOR NYLON HOSIERY.
Claims use since December 1946.

Ser. No. 534,485. SPURGEON HOSIERY CORPORATION, Philadelphia, Pa. Filed Sept. 13, 1947.

The word "Nylons" is disclaimed apart from the mark shown.
FOR NYLON HOSIERY.
Claims use since April 1941.

Ser. No. 534,643. LIBSON SHOPS MANAGEMENT CORPORATION, St. Louis, Mo. Filed Sept. 16, 1947.

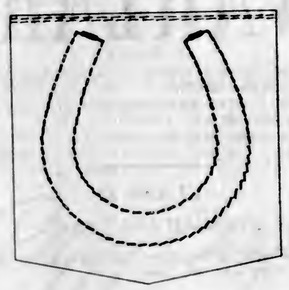
No claim is made to the words "Hosiery," "Exclusively," and "Shops" apart from the mark.
FOR HOSIERY.
Claims use since June 15, 1936.

Ser. No. 535,006. DAVID D. DONIGER & CO. INC., New York, N. Y. Filed Sept. 19, 1947.

Triple Threat

FOR MEN'S AND BOYS' SPORT JACKETS.
Claims use since Aug. 20, 1947.

Ser. No. 535,725. MANN OVERALL COMPANY, INC., El Paso, Tex. Filed Sept. 25, 1947.



No claim is made to the outline of the pocket which appears in the drawing.
FOR OVERALLS AND WESTERN STYLE PANTS.
Claims use since July 1, 1947.

Ser. No. 536,141. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Sept. 29, 1947.

Boyville

Applicant claims ownership of registration No. 133,317.
FOR HOSIERY AND KNITTED UNDERWEAR FOR BOYS AND YOUNG MEN, BOYS' VESTS, COATS, TROUSERS, SUITS, BLOUSES, OVERCOATS, CAPS, RAINCOATS, BOYS' SHOES, MADE OF LEATHER, MACKINAWS, SLACK SUITS, SHIRTS AND GLOVES, SWEATERS, HATS, TIES, SWEATSHIRTS, PAJAMAS, BATHROBES, MITTENS, MUFFLERS, SUSPENDERS, SWIMSUITS, BELTS, EAR MUFFS, OVERALLS, JACKETS.
Claims use since June 10, 1919.

Ser. No. 537,188. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Oct. 8, 1947.

Merrichild

FOR KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS.
Claims use since Jan. 10, 1928.

Ser. No. 539,027. COOPER'S, INCORPORATED, Kenosha, Wis. Filed Oct. 25, 1947.

Jockey

Applicant claims ownership of registrations Nos. 392,114 and 391,692.
FOR MEN'S AND BOYS' UNDERWEAR, UNDERSHIRTS, UNION SUITS, HOSIERY, SWIM TRUNKS, SPORT SHORTS, SPORT SHIRTS, AND T-SHIRTS.
Claims use since Aug. 17, 1934.

Ser. No. 540,070. HASPEL BROTHERS, INC., New Orleans, La. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

Haspel

Applicant claims ownership of registration No. 397,868.
FOR MEN'S AND BOYS' SUITS, COATS, PANTS, TROUSERS, AND VESTS.
Claims use since September 1940.

Ser. No. 543,456. JACK JACOBS, New York, N. Y. Filed Dec. 5, 1947.

Minuteen

FOR CHILDREN'S BLOUSES.
Claims use since Nov. 15, 1947.

CLASS 42

Ser. No. 559,787. CROMPTON COMPANY, West Warwick,

Ser. No. 553,149. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f

PUSHERS, FILES, CLIPPERS, BLACKHEAD EXTRACTORS, AND CUTICLE KNIVES.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 524,683. CAMEO CURTAINS INC., New York, N. Y. Filed Nov. 19, 1947; originally filed, act of 1905, June 24, 1947. Under section 2f of the act of 1946.

SHIR-BACK

FOR WINDOW CURTAINS.
Claims use in 1939.

Ser. No. 524,684. CAMEO CURTAINS INC., New York, N. Y. Filed Nov. 19, 1947; originally filed, act of 1905, June 24, 1947. Under section 2f of the act of 1946.

Snap-A-Cross

FOR WINDOW CURTAINS.
Claims use since 1938.

Ser. No. 539,351. RESILOID CORPORATION, Brooklyn, N. Y. Filed Oct. 28, 1947.

RESILOID

FOR PIECE GOODS OF COTTON AND RAYON AND MIXTURES THEREOF TREATED TO RENDER THEM WATERPROOF, DUSTPROOF, AND STAINPROOF.
Claims use since July 29, 1947.

Ser. No. 552,531. JOSIAH FRANCE, LIMITED, Honley, near Huddersfield, England. Filed Feb. 17, 1948.

SOLESCO

Applicant claims ownership of British registration No. 652,966.
FOR TEXTILE PIECE GOODS COMPOSED WHOLLY OR MAINLY OF WOOL OR WORSTED.

Ser. No. 552,532. WALTER GLEDHILL & SONS, LIMITED, Holmfirth, near Huddersfield, England. Filed Feb. 17, 1948.

GLEDSON

Applicant claims ownership of British registration No. B639,163, dated Aug. 3, 1945.
FOR WOVEN FABRICS IN THE PIECE COMPOSED WHOLLY OR MAINLY OF WOOL.

Ser. No. 559,787. CROMPTON COMPANY, West Warwick, R. I. Filed June 2, 1948.

WEAR AND TEAR

FOR FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, CELLULOSE ACETATE, PROTEIN FIBERS, OR MIXTURES THEREOF.
Claims use since Feb. 5, 1948.

Ser. No. 560,446. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed June 30, 1948.

ROYAL SWAN

Applicant claims ownership of registration No. 375,946.
FOR TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE, OR BOLT.
Claims use since Oct. 27, 1939.

Ser. No. 560,447. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed June 30, 1948.

Applicant claims ownership of registration No. 375,946.
FOR TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE, OR BOLT.
Claims use since Oct. 27, 1939.

Ser. No. 560,509. UNITED WALLPAPER, INC., Chicago, Ill. Filed June 30, 1948.

VARLAR

Applicant claims ownership of registrations Nos. 433,901, 427,880, and 429,375.
FOR DRAPERIES AND FABRIC WALL COVERINGS MADE OF RAYON AND COTTON.
Claims use since Feb. 22, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 553,033. TIOGA YARN COMPANY, South Coventry, Conn. Filed Mar. 25, 1948.

TIBETTE

FOR WOOL YARN.
Claims use since Aug. 8, 1947.

Ser. No. 553,149. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 26, 1948. Under section 2f of the act of 1946.

HAMPDEN

Applicant claims ownership of registration No. 162,655.
FOR SPOOL COTTON.
Claims use since 1906.

Ser. No. 553,440. W. WARREN THREAD WORKS, INC., Westfield, Mass. Filed Mar. 30, 1948. Under section 2f of the act of 1946.

FAIRFIELD

FOR SPOOL COTTON OR SEWING THREAD.
Claims use since Oct. 1905.

Ser. No. 556,609. BERNHARD ULMANN CO. INC., Long Island City, N. Y. Filed May 8, 1948.

FLORALAINE

Applicant claims ownership of registrations Nos. 343,205 and 431,283.
FOR WOOLEN YARNS.
Claims use since Apr. 27, 1948.

Ser. No. 557,002. AMERICAN ENKA CORPORATION, Enka, N. C. Filed May 14, 1948.

LOWLAND

FOR RAYON YARNS.
Claims use since Mar. 10, 1948.

Ser. No. 557,238. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed May 18, 1948.

BRAEBURN

FOR YARN.
Claims use since June 20, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 512,857. PEGGY SAGE, INC., Stamford, Conn. Filed Sept. 11, 1947; originally filed, act of 1905, Nov. 19, 1946. Under section 2f of the act of 1946.

Peggy Sage

The name "Peggy Sage" is that of a living individual, whose consent is filed herein. Applicant claims ownership of registration No. 308,683.
FOR MANICURING IMPLEMENTS—NAMELY, SCISSORS, NIPPERS, TWEEZERS, METAL CUTICLE PUSHERS, FILES, CLIPPERS, BLACKHEAD EXTRACTORS, AND CUTICLE KNIVES.
Claims use since 1929.

Ser. No. 534,269. GENDRON WHEEL COMPANY, Perrysburg, Ohio. Filed Sept. 12, 1947.

Boulevard

FOR INVALID FOLDING WHEEL CHAIRS.
Claims use since April 1947.

Ser. No. 540,538. GERTEE MANUFACTURING CO., New York, N. Y. Filed Nov. 8, 1947.

T-belt

The word "Belt" is disclaimed apart from the mark as shown.
FOR SANITARY BELTS.
Claims use since Oct. 20, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 528,871. LIME COLA COMPANY, INC., Montgomery, Ala. Filed July 18, 1947. Under section 2f of the act of 1946.

LIME COLA

Applicant claims ownership of registrations Nos. 112,783 and 146,652.
FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUP, EXTRACT, AND CONCENTRATE FOR MAKING THE SAME.
Claims use since Sept. 1, 1915.

Ser. No. 542,222. LEO PETERS, Evanston, Ill. Filed Aug. 14, 1947.

WEALTH

Applicant claims ownership of registration No. 407,457.
FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS, PARTICULARLY CARBONATED SOFT DRINK BEVERAGES CONTAINING A FLAVORING SYRUP.
Claims use since Nov. 29, 1943.

CLASS 46

Ser. No. 528,541. VICTOR CHEMICAL WORKS, Chicago, Ill. Filed July 12, 1947.

Ser. No. 533,915. MYLES SALT COMPANY, INC., New Orleans, La., assignor to Morton Salt Company, Chi-

Ser. No. 542,375. VITAFREZE CORPORATION, Sacramento, Calif. Filed Nov. 25, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,586. CHASE CANDY COMPANY, St. Louis, Mo., assignee of Clinton Industries, Inc. Filed Jan. 14, 1948; originally filed, act of 1905, Mar. 20, 1946. Under section 2f of the act of 1946.

OLD CHARLESTON

FOR CANDY.
Claims use since Sept. 8, 1942.

Ser. No. 514,812. GILSTER MILLING COMPANY, Steeleville and Chester, Ill. Filed Oct. 20, 1947; originally filed, act of 1905, Dec. 26, 1946. Under section 2f of the act of 1946.

GILSTER'S BEST

Applicant disclaims the word "Best," apart from the mark.
FOR SOFT WHEAT FLOUR.
Claims use since February 1907.

Ser. No. 520,091. S. C. CLAYTON CO., INC., Boston, Mass. Filed Sept. 23, 1948; originally filed, act of 1905, Apr. 3, 1947. Under section 2f of the act of 1946.

Paisley's

FOR MARMALADE.
Claims use since June 1935.

Ser. No. 528,536. VICTOR CHEMICAL WORKS, Chicago, Ill. Filed July 12, 1947.

REGENT

FOR MONOCALCIUM PHOSPHATE FOR USE AS A LEAVENING INGREDIENT IN PHOSPHATED FLOURS AND PREPARED BAKING MIXES.
Claims use since 1912.

Ser. No. 528,541. VICTOR CHEMICAL WORKS, Chicago, Ill. Filed July 12, 1947.

V-90

FOR MONOCALCIUM PHOSPHATE FOR USE AS A LEAVENING INGREDIENT IN THE MANUFACTURE OF SELF-RISING FLOUR AND PREPARED BAKING MIXES.
Claims use since January 1939.

Ser. No. 529,720. MAURICE S. SPATZ, doing business as Crystal Springs Packing Company, Medford, Oreg. Filed July 26, 1947.

VALLEY SPRINGS

FOR FRESH PEARS.
Claims use since Aug. 15, 1940.

Ser. No. 531,358. CLEMENT PAPPAS & Co., Cedarville, N. J. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

PAPPAS

FOR CANNED VEGETABLES, CANNED BERRIES, AND JAMS MADE OF FRUITS.
Claims use since Aug. 1, 1942.

Ser. No. 532,715. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.

FOR WHEAT FLOUR.
Claims use since December 1924.

Ser. No. 533,915. MYLES SALT COMPANY, INC., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

MYLES

Applicant claims ownership of registrations Nos. 155,902, 323,080, 215,460, 215,434, 323,987, 340,908, and 380,821.
FOR SALT.
Claims use since July 1903.

Ser. No. 536,008. STOKELY-VAN CAMP, INC., Indianapolis, Ind. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

SHELLIE

FOR CANNED MIXTURE OF GREEN AND DRY BEANS.
Claims use since Sept. 15, 1939.

Ser. No. 536,969. UNITED FRUIT COMPANY, Boston, Mass. Filed Oct. 6, 1947.

No claim is made to the word "Banana" or to the representation of a banana apart from the mark as shown.
FOR FRESH BANANAS.
Claims use since Sept. 11, 1947.

Ser. No. 537,086. SEEMAN BROTHERS, INC., New York, N. Y. Filed Oct. 7, 1947.

EQUITABLE

FOR CANNED VEGETABLES.
Claims use since Jan. 1, 1913.

Ser. No. 539,958. IVANHOE MUTUAL ORANGE ASSOCIATION, Ivanhoe, Calif. Filed Nov. 3, 1947.

SUN IDOL

FOR FRESH CITRUS FRUITS.
Claims use since 1939.

Ser. No. 542,375. VITAFREEZE CORPORATION, Sacramento, Calif. Filed Nov. 25, 1947.

BANZI BAR

The use of the word "Bar" apart from the mark is disclaimed.
FOR ICE CREAM CONFECTION ON A STICK AND INCLUDING A BANANA FRUIT.
Claims use since Nov. 5, 1947.

CLASS 47

WINES

Ser. No. 515,292. WILLIAM H. LOVINER, doing business as Mount Hamilton Winery, San Francisco, Calif., assignee of Bisceglia Bros. Wine Company. Filed Oct. 3, 1947; originally filed, act of 1905, Jan. 6, 1947.

Ritz

FOR WINES.
Claims use since Feb. 1, 1946.

Ser. No. 520,294. PADRE VINEYARD COMPANY, Los Angeles and Cucamonga, Calif. Filed Nov. 17, 1947; originally filed, act of 1905, Apr. 7, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 313,667, 328,928, and 418,182.
FOR WINE.
Claims use since 1933.

CLASS 49

PAPER AND PAPER ARTICLES

Ser. No. 520,292. THE MEAD CORPORATION, Dayton, Ohio. Filed Nov. 17, 1947; originally filed, act of 1905, Apr. 7, 1947. Under section 2f of the act of 1946.

MEAD

Applicant claims ownership of registrations Nos. 124,-

CLASS 50

Ser. No. 548,275. NAJEEB, INC., New York, N. Y. Filed Jan. 29, 1948.

Ser. No. 539,348. L. N. RENAULT & SONS, INC., doing business as Champagne Vintners, Egg Harbor City, N. J. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

DUMONT

Applicant claims ownership of registration No. 395,366.
FOR WINES.
Claims use since Feb. 13, 1942.

Ser. No. 541,564. PACIFIC WINES, Los Angeles, Calif. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

PIUMA

Applicant claims ownership of registrations Nos. 410,428 and 410,429.
FOR WINES.
Claims use since 1889.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 541,193. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Filed Nov. 14, 1947. Under section 2f of the act of 1946.

The drawing is lined for the colors brown and gold.
Applicant claims ownership of registration No. 428,097.
FOR MALT LIQUORS—NAMELY, LAGER BEER.
Claims use since May 15, 1894.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 529,076. ROBERT MCNISH AND COMPANY LIMITED, Glasgow, Scotland. Filed July 21, 1947. Under section 2f of the act of 1946 as to the words "The Grand Nacnish."

Applicant claims ownership of registrations Nos. 319,398, 344,513, and 411,761.
FOR WHISKEY.
Claims use since Apr. 26, 1947.

Ser. No. 541,565. PACIFIC WINES, Los Angeles, Calif. Filed Nov. 18, 1947. Under section 2f of the act of 1946.

PIUMA

Applicant claims ownership of registrations Nos. 410,428 and 410,429.
FOR BRANDY.
Claims use since 1889.

Ser. No. 542,543. THE DISTILLERS COMPANY LIMITED, Linden, N. J., and New York, N. Y. Filed Nov. 28, 1947.

BLACK CAT

Applicant claims ownership of registrations Nos. 330,081, 337,988, and 361,070.
FOR GIN.
Claims use since Nov. 20, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 536,234. A. B. CHANCE COMPANY, Centralia, Mo. Filed Sept. 30, 1947.

The word "Industries" is disclaimed apart from the mark as shown.
FOR SAFETY CABLE SUSPENSION SEATS, LINE MEN'S POLE PLATFORMS, PLATFORM RAILINGS, AND WOOD INSULATOR CONDUCTOR HOODS USED AS PLATFORMS ON LINE CONDUCTORS OF TRANSMISSION LINES TO PROTECT LINEMEN FROM HIGH VOLTAGE AND TO SERVE AS SUPPORT FOR LINEMEN, TOOLS, ETC.
Claims use since Aug. 1, 1936.

Ser. No. 540,874. REFLECTING ROADSTUDS LIMITED, Halifax, Yorkshire, England. Filed Nov. 12, 1947.

As far as the design forming the trade-mark contains a representation of the goods such representation is disclaimed apart from the mark. Applicant claims ownership of British registration No. B600,688, dated Aug. 25, 1938.
FOR LIGHT REFLECTING ROAD STUDS FOR MARKING STOP LINES, TRAFFIC PINS, PEDESTRIAN CROSSINGS, ROAD JUNCTIONS, AND THE LIKE TO BE AFFIXED PERMANENTLY TO THE ROAD BED.

Ser. No. 548,275. NAJEEB, INC., New York, N. Y. Filed Jan. 29, 1948.

The Salad Mistress

The words "The Salad" are disclaimed apart from the mark as shown.
FOR SERVING SET COMPOSED OF A BOWL, CRUETS, AND SALT AND PEPPER SHAKERS MADE OF POTTERY, AND A CARRYING TRAY MADE OF PLASTIC.
Claims use since July 18, 1947.

CLASS 55

SERVICES

Ser. No. 535,743. PECK & MORE, INC., Chicago, Ill. Filed Sept. 25, 1947. SERVICE MARK.

FOR FUR GARMENT CLEANING SERVICE.
Claims use since May 15, 1947.

Ser. No. 537,717. NATIONAL FOOD BROKERS ASSOCIATION, Washington, D. C. Filed Oct. 13, 1947. COLLECTIVE SERVICE MARK.

Each of the words "National," "Food," "Brokers," "Association," "Seller," and "Buyer" is disclaimed. Applicant claims ownership of registration No. 237,820.
FOR BROKERAGE OF FOOD AND GROCERY PRODUCTS BY MEMBERS OF THE ASSOCIATION.
Claims use since Sept. 21, 1921.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,814. BOND PAPER. THE MCBEE COMPANY, Athens, Ohio.
Filed Sept. 30, 1944, Serial No. 474,754. Published Oct. 5, 1948. Class 37.

441,815. HAND MIRRORS. WILLIAM WOLF, Newark, N. J., assignor to Silver & Troy, Newark, N. J., a firm composed of Fred Silver and Francis J. Troy.
Filed Nov. 24, 1945, Serial No. 492,167. Published Sept. 28, 1948. Class 32.

441,816. PROCESSED COTTON DRILL FABRIC SOLD IN THE PIECE OR BOLT, AND MADE ESPECIALLY FOR USE IN THE MANUFACTURE OF LAMINATED FABRICS. ACME BACKING CORPORATION, New York and Brooklyn, N. Y.
Filed Mar. 30, 1946, Serial No. 499,306. Published Sept. 21, 1948. Class 42.

441,817. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE ECLIPSE FOUNTAIN PEN AND PENCIL COMPANY, LIMITED, Toronto, Ontario, Canada.
Filed Dec. 11, 1946, Serial No. 514,084. Published Oct. 5, 1948. Class 37.

441,818. ENVELOPE OPENER. WILLIAM HERTER, doing business as Herter Machine Tool & Dye Works, Queens Village, N. Y.
Filed Mar. 7, 1947, Serial No. 518,680. Published Sept. 21, 1948. Class 37.

441,819. SEWING STANDS, TELEPHONE STANDS. SMOKE STANDS, MAGAZINE RACKS, ETC. MANUEL MARTIN, doing business as Martin California, Los Angeles, Calif.
Filed Mar. 11, 1947, Serial No. 518,843. Published Sept. 21, 1948. Class 32.

441,820. BUSINESS FORMS IN THE NATURE OF PARTIALLY PRINTED REPORTS, AND FILING CARDS. BURNETT ELBERT HORNER, Oklahoma City, Okla., assignor to Simplicity Merchandiser, Inc., Oklahoma City, Okla.
Filed Mar. 14, 1947, Serial No. 519,001. Published Sept. 28, 1948. Class 37.

441,821. CHUCK PENCILS. WINSLOW PRODUCT ENGINEERING CORPORATION, Los Angeles, Calif.
Filed Apr. 19, 1947, Serial No. 521,045. Published Oct. 5, 1948. Class 37.

441,822. WOODEN DRAWER AND FOOT LOCKER CHESTS, BOOKCASES, CABLES IN THE NATURE OF FURNITURE, STEP STOOLS, LAWN CHAIRS, PICNIC TABLES, AND TABLE AND CHAIR SETS. ATLANTIC UNION COLLEGE, South Lancaster, Mass.
Filed Apr. 25, 1947, Serial No. 521,314. Published Sept. 28, 1948. Class 32.

441,823. PIECE GOODS MADE OF RAYON FABRIC. LONOLEAF MILLS, INC., Matthews, N. C.
Filed June 19, 1947, Serial No. 524,471. Published Sept. 21, 1948. Class 42.

441,824. CRAYON HOLDERS — NAMELY, BLOCKS EACH HAVING MEANS FOR HOLDING A SET OF CRAYONS IN SPACED-APART RELATION FOR CONVENIENT SELECTION BY THE USER. COLOR-BANK COMPANY, Waynesboro, Pa.
Filed June 25, 1947, Serial No. 524,777. Published Oct. 5, 1948. Class 37.

441,825. PAPER TABLETS AND PAPETERIES, I. E., STATIONERY COMPRISING ENVELOPES AND/OR PAPER EITHER FLAT OR FOLDED PUT UP IN BOXES, PORTFOLIOS, OR BANDED PACKAGES. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed July 3, 1947, Serial No. 526,122. Published Jan. 13, 1948. Class 37.

ACT OF 1920

These registrations are not subject to opposition.

441,826. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ULLMAN PRODUCTS CORP., Brooklyn, N. Y. Filed Dec. 5, 1945, Serial No. 492,750.

Ullman

FOR HAIR DRYING MACHINES FOR USE IN BEAUTY PARLORS.
Claims use since July 15, 1937.

441,827. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JOHN POUND, LTD., New York, N. Y. Filed May 24, 1946, Serial No. 502,710.

JOHN POUND, Ltd.

FOR LUGGAGE — NAMELY, SUITCASES, HANDBAGS, BRIEF CASES.
Claims use since Apr. 10, 1946.

441,828. (CLASS 19. VEHICLES.) WAUGH EQUIPMENT COMPANY, New York, N. Y. Filed Sept. 6, 1946, Serial No. 508,634.

Twin Cushions

FOR DRAFT GEARS FOR RAILWAY ROLLING STOCK.
Claims use since Mar. 15, 1946.

441,829. (CLASS 32. FURNITURE AND UPHOLSTERY.) MELLIN-QUINCY MANUFACTURING CO., INC., Newark, N. J. Filed Mar. 6, 1947, Serial No. 518,612.

HAMPSHIRE HOUSE

FOR DINING ROOM TABLES, CHAIRS, BUFFETS, CHINA CABINETS, SERVERS IN THE NATURE OF FURNITURE, HUTCH CHAIRS AND BUFFETS.
Claims use since Dec. 18, 1946.

ACT OF 1946, PRINCIPAL REGISTER

505,557. SCRATCH PADS, MEMO PADS, LEGAL AND OFFICE PADS, ALL PURPOSE PADS, LOOSE LEAF FILLERS, MANIFOLD ORDER BOOKS, REAM PAPERS, AND STENOGRAPHERS' NOTE BOOKS. OSBORN PAPER COMPANY, Marion, Ind.
Filed Sept. 23, 1947; originally filed, act of 1905, Mar. 18, 1946, Serial No. 499,456. Published Sept. 28, 1948. Class 37.

505,558. PIECE FABRIC MADE OF NYLON, FOR MAKING COVERS FOR STEAM PRESSES FOR PRESSING GARMENTS. G. S. ROBINS & COMPANY, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, Sept. 11, 1946, Serial No. 508,858. Published Sept. 21, 1948. Class 42.

505,559. MATTRESSES AND BAR STOOL CUSHIONS OF FOAM RUBBER. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed Aug. 20, 1947; originally filed, act of 1905, Jan. 31, 1947, Serial No. 516,744. Published Sept. 21, 1948. Class 32.

505,560. UPHOLSTERED DAVENPORTS, UPHOLSTERED CHAIRS, OCCASIONAL AND RECLINING CHAIRS AND STOOLS, DININGROOM CHAIRS, SOFA BEDS AND CHAISE LOUNGES. THE KENMAR MANUFACTURING COMPANY, East Palestine, Ohio.
Filed Feb. 5, 1948; originally filed, act of 1905, Mar. 5, 1947, Serial No. 518,533. Published Sept. 21, 1948. Class 32.

505,561. ELECTRICAL APPLIANCES—NAMELY, WASHING MACHINES AND AUTOMATIC ELECTRIC IRONERS. ANGELUS SALES AND SERVICE, San Francisco, Calif.
Filed Nov. 24, 1947; originally filed, act of 1905, Mar. 12, 1947, Serial No. 518,867. Published Sept. 28, 1948. Class 24.

505,562. PAPER TOWELS, PAPER NAPKINS, TOILET TISSUE, AND FACIAL TISSUE. NATIONAL PAPER CORPORATION OF PENNSYLVANIA, Ransom, Pa., and New York, N. Y.
Filed Dec. 26, 1947; originally filed, act of 1905, Apr. 1, 1947, Serial No. 519,973. Published Sept. 7, 1948. Class 37.

505,563. MATTRESSES. THE VINCENT-MCCALL COMPANY, Kenosha, Wis.
Filed Oct. 30, 1947; originally filed, act of 1905, Apr. 16, 1947, Serial No. 520,841. Published Sept. 28, 1948. Class 32.

505,564. TILE AND FLOOR COVERINGS COMPOSED IN WHOLE OR IN PART OF RUBBER. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed Jan. 5, 1948; originally filed, act of 1905, June 5, 1947, Serial No. 523,612. Published Sept. 21, 1948. Class 20.

505,565. HOSPITAL AND DOCTOR'S OFFICE FURNITURE—NAMELY, DORMITORY BEDS FOR INTERNS AND NURSES, BED MATTRESSES, BOOK CASES, FILING CABINETS, ETC. A. S. ALOE COMPANY, St. Louis, Mo.
Filed July 9, 1947, Serial No. 528,176. Published Sept. 21, 1948. Class 32.

505,566. TOILET TISSUE. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed July 12, 1947, Serial No. 528,466. Published Feb. 3, 1948. Class 37.

505,567. FRESH DATES. GARDEN OF THE SETTING SUN, INC., Mecca, Calif.
Filed July 28, 1947, Serial No. 529,761. Published June 15, 1948. Class 46.

505,568. LABELLED ROLL TOILET TISSUE. PEAVEY PAPER MILLS (Inc.), Ladysmith, Wis.
Filed Aug. 7, 1947, Serial No. 530,761. Published Sept. 21, 1948. Class 37.

505,569. WRITING, BOND, LEDGER, MANIFOLD, AND MIMEOGRAPH PAPERS, AND SCHOOL AND BUSINESS TABLETS. THE REYNOLDS MANUFACTURING COMPANY, Holyoke, Mass.
Filed Aug. 9, 1947, Serial No. 530,958. Published Sept. 28, 1948. Class 37.

505,570. LINEN PIECE GOODS. ROBERT MCBRATNEY & COMPANY, INCORPORATED, New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,345. Published Sept. 21, 1948. Class 42.

505,571. STEEL BINS IN THE FORM OF RACKS OR SHELVING AND BIN ENDS FOR STORAGE AND DISPLAY PURPOSES. STAR MANUFACTURING COMPANY OF TEXAS, Amarillo, Tex.
Filed Aug. 20, 1047, Serial No. 531,956. Published Sept. 28, 1948. Class 32.

505,572. NOTEBOOK HOLDERS FOR STENOGRAPHERS. ZEPHYR AMERICAN CORPORATION, New York, N. Y.
Filed Aug. 21, 1947, Serial No. 532,082. Published Oct. 5, 1948. Class 37.

505,573. ALL PURPOSE ABSORBENT PAPER TISSUES. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed Aug. 23, 1947, Serial No. 532,230. Published Oct. 5, 1948. Class 37.

505,574. CIGARETTE PAPER BOOKLETS. CHAMPAGNE PAPER CORPORATION, Pisgah Forest, N. C., assignor to Ecusta Paper Corporation, Pisgah Forest, N. C., a corporation of Delaware.
Filed Aug. 27, 1947, Serial No. 532,560. Published Oct. 5, 1948. Class 8.

505,575. BOND, MIMEOGRAPH, AND LEDGER PAPERS. THE MUNISING PAPER COMPANY, Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 532,953. Published Oct. 5, 1948. Class 37.

505,576. DATER STAMPS. FULTON SPECIALTY CO., Elizabeth, N. J.
Filed Sept. 4, 1947, Serial No. 533,292. Published Sept. 28, 1948. Class 37.

505,577. CARDBOARD FOR THE MANUFACTURE OF SHIPPING TAGS AND FOLDERS. NORMAN HARROWER, doing business as Linton Brothers & Company, Fitchburg, Mass.
Filed Sept. 4, 1947, Serial No. 533,306. Published Sept. 28, 1948. Class 37.

505,578. BRISTOL BOARD, CARDBOARD, TAG BOARD, COVER STOCK, AND PAPER USED AS COMPANION SHEETS TO BRISTOL BOARD. NORMAN HARROWER, doing business as Linton Brothers & Company, Fitchburg, Mass.
Filed Sept. 4, 1947, Serial No. 533,308. Published Sept. 28, 1948. Class 37.

505,579. MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS AND PARTS THEREOF. AMPLIFIER CORP. OF AMERICA, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,519. Published Sept. 7, 1948. Class 21.

505,580. MAGNETIC SOUND RECORDING AND REPRODUCING APPARATUS AND PARTS THEREOF. AMPLIFIER CORP. OF AMERICA, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,520. Published Sept. 21, 1948. Class 21.

505,581. FOUNTAIN PENS AND MECHANICAL PENCILS. EVERSHARP, INC., Chicago, Ill.
Filed Sept. 5, 1947, Serial No. 533,558. Published Sept. 28, 1948. Class 37.

505,582. HOME ELECTRIC DOOR CHIMES, DOOR SIGNALS AND INTER-OFFICE CHIME AND BUZZER SIGNALLING APPARATUS, PUSH BUTTONS AND TRANSFORMERS. NUTONE, INCORPORATED, Chicago, Ill.
Filed Sept. 18, 1947, Serial No. 534,915. Published July 13, 1948. Class 21.

505,583. BOND, LEDGER, MIMEOGRAPH, AND DUPLICATOR PAPERS. THE MUNISING PAPER COMPANY, Chicago, Ill.
Filed Sept. 19, 1947, Serial No. 535,067. Published Sept. 21, 1948. Class 37.

505,584. SHEET PAPER—NAMELY, BOND PAPERS, MIMEOGRAPH PAPERS, AND LEDGER PAPERS. SWIGART PAPER COMPANY, Chicao, Ill.
Filed Sept. 27, 1947, Serial No. 536,011. Published Sept. 28, 1948. Class 37.

505,585. UPHOLSTERY, DRAPERY, AND DECORATIVE FABRICS, IN THE PIECE, OF COTTON, LINEN, JUTE, WOOL, MOHAIR, AND SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. LOUISVILLE TEXTILES, INCORPORATED, Louisville, Ky.
Filed Sept. 29, 1947, Serial No. 536,107. Published Sept. 21, 1948. Class 42.

505,586. JACQUARD PAPER BOARD. LANE PAPER CO., INC., Jersey City, N. J.
Filed Oct. 1, 1947, Serial No. 536,406. Published Sept. 21, 1948. Class 37.

505,587. TYPEWRITER PAPER. HORDER'S, INCORPORATED, Chicago, Ill.
Filed Oct. 2, 1947, Serial No. 536,522. Published Sept. 21, 1948. Class 37.

505,588. TYPEWRITER PAPER. HORDER'S, INCORPORATED, Chicago, Ill.
Filed Oct. 2, 1947, Serial No. 536,526. Published Sept. 21, 1948. Class 37.

505,589. TYPEWRITER PAPERS AND INDEX CARDS. HORDER'S, INCORPORATED, Chicago, Ill.
Filed Oct. 2, 1947, Serial No. 536,527. Published Sept. 21, 1948. Class 37.

505,590. PAPER STOCK. PAPER CORPORATION OF AMERICA, New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,633. Published Sept. 28, 1948. Class 37.

505,591. PAPER STOCK. PAPER CORPORATION OF AMERICA, New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,634. Published Sept. 28, 1948. Class 37.

505,592. BASE METAL SEALS FOR BAGS OF FLEXIBLE MATERIAL. E. J. BROOKS COMPANY, Newark, N. J.
Filed Oct. 8, 1947, Serial No. 537,134. Published Sept. 28, 1948. Class 25.

505,593. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Oct. 10, 1947, Serial No. 537,434. Published Sept. 28, 1948. Class 37.

505,594. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Oct. 10, 1947, Serial No. 537,435. Published Sept. 28, 1948. Class 37.

505,595. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Oct. 10, 1947, Serial No. 537,437. Published Sept. 28, 1948. Class 37.

505,596. SYNTHETIC VARNISHES. AMERICAN ALKYD INDUSTRIES, Carlstadt, N. J.
Filed Oct. 9, 1947, Serial No. 537,768. Published Sept. 14, 1948. Class 16.

505,597. SHROUD CLOTHS MADE OF COTTON AND SOLD BY THE PIECE OR BY THE YARD. THE CINCINNATI COTTON PRODUCTS COMPANY, Cincinnati, Ohio.
Filed Oct. 15, 1947, Serial No. 537,874. Published Sept. 21, 1948. Class 42.

505,598. BED SPRINGS AND MATTRESSES. RE-LY-ON PRODUCTS COMPANY, Pittsburgh, Pa.
Filed Oct. 18, 1947, Serial No. 538,315. Published Sept. 28, 1948. Class 32.

505,599. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,103. Published Sept. 21, 1948. Class 42.

505,600. CORDUROY FABRICS IN THE PIECE COMPOSED OF COTTON. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,106. Published Sept. 21, 1948. Class 42.

505,601. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,109. Published Sept. 21, 1948. Class 42.

505,602. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,111. Published Sept. 21, 1948. Class 42.

505,603. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,115. Published Sept. 21, 1948. Class 42.

505,604. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,120. Published Sept. 21, 1948. Class 42.

505,605. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,143. Published Sept. 21, 1948. Class 42.

505,606. WRITING PAPER AND ENVELOPES. THE GRAY ENVELOPE MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Aug. 16, 1947, Serial No. 546,150. Published Sept. 28, 1948. Class 37.

505,607. PAPER CLIPS, THUMB TACKS, FROZEN WIRE STAPLES, T-PINS, AND WEDGE PINS. WILLIAM PRYM, INC., Killingly and Dayville, Conn.
Filed Jan. 13, 1948, Serial No. 546,873. Published Sept. 28, 1948. Class 37.

505,608. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, PROTEIN FIBERS OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed Feb. 19, 1948, Serial No. 550,127. Published Sept. 21, 1948. Class 42.

505,609. SAILCLOTH IN THE PIECE. FLIGHTEX FABRICS, INC., New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,135. Published Sept. 21, 1948. Class 42.

505,610. TEXTILE FABRICS OF COTTON, RAYON, WOOL, AND COMBINATIONS THEREOF, SOLD BY THE BOLT. JANSHAW FABRICS INCORPORATED, New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,150. Published Sept. 21, 1948. Class 42.

505,611. PIECE GOODS OF COTTON, RAYON, AND NYLON, AND MIXTURES THEREOF. CHAS. B. WERNER CO., INC., New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,189. Published Sept. 21, 1948. Class 42.

505,612. PIECE GOODS OF COTTON AND PIECE GOODS OF A MIXTURE OF COTTON AND RAYON. CONSOLIDATED TEXTILE CO., INC., New York, N. Y.
Filed Feb. 21, 1948, Serial No. 550,311. Published Sept. 21, 1948. Class 42.

505,613. SHEETS AND PILLOW CASES. MUTUAL BUYING SYNDICATE, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,539. Published Sept. 21, 1948. Class 42.

505,614. WOOLEN FABRICS IN THE PIECE. BOTANY MILLS, INC., Passaic, N. J.
Filed Feb. 26, 1948, Serial No. 550,576. Published Sept. 21, 1948. Class 42.

505,615. COTTON TEXTILE FABRICS BY THE YARD. THE SPRINGS COTTON MILLS, Lancaster, S. C.
Filed Feb. 26, 1948, Serial No. 550,628. Published Sept. 21, 1948. Class 42.

505,616. COTTON AND RAYON DRESS FABRICS BY THE YARD. THE SPRINGS COTTON MILLS, Lancaster, S. C.
Filed Feb. 26, 1948, Serial No. 550,629. Published Sept. 21, 1948. Class 42.

505,617. FABRICS OF NYLON SOLD BY THE SQUARE YARD. BLUE RIDGE TEXTILE CO., INC., Bangor, Pa.
Filed Feb. 28, 1948, Serial No. 550,779. Published Sept. 21, 1948. Class 42.

Service Marks

505,618. SERVICES RENDERED IN THE SMALL LOAN, INSTALMENT LOAN AND INSTALMENT CREDIT BUSINESS. BENEFICIAL INDUSTRIAL LOAN CORPORATION, Wilmington, Del.
Filed July 5, 1947, Serial No. 527,275. Published Oct. 5, 1948. Class 55.

505,619. SERVICE OF RAILROAD TRANSPORTATION OF PASSENGERS AND FREIGHT. NORFOLK AND WESTERN RAILWAY COMPANY, Roanoké, Va.
Filed Aug. 18, 1947, Serial No. 531,701. Published Oct. 5, 1948. Class 55.

505,620. CLOTH WEAVING SERVICE FOR REPAIRING HOLES, BURNS, OR DEFECTS IN TEXTILE MATERIALS. AMBER FREITAS, doing business as Amber Weaving Service, Buffalo, N. Y.
Filed Sept. 9, 1947, Serial No. 533,873. Published Oct. 12, 1948. Class 55.

505,621. TRAVEL SERVICES—NAMELY, THE PROMOTION, ORGANIZATION, PLANNING AND CONDUCT OF TRIPS, TOURS AND EXCURSIONS BY RAILROAD, STEAMSHIP, ETC. ELFAST SERVICE CORPORATION, New York, N. Y.
Filed Oct. 2, 1947, Serial No. 536,511. Published Oct. 5, 1948. Class 55.

505,622. SERVICE, REPAIR, AND MAINTENANCE OF ELECTRIC MOTORS. BROADWAY MAINTENANCE CORP., Long Island City, N. Y.
Filed Oct. 16, 1947, Serial No. 537,979. Published Oct. 5, 1948. Class 55.

505,623. ENGINEERING—NAMELY, MECHANICAL, CIVIL, ETC. THE J. G. WHITE ENGINEERING CORPORATION, New York, N. Y., and Dover, Del.
Filed Jan. 14, 1948, Serial No. 547,080. Published Oct. 5, 1948. Class 55.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,624. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PANTEX MANUFACTURING CORPORATION, Central Falls, R. I., assignee of Pantex Pressing Machine, Inc. Filed Feb. 10, 1948; originally filed, act of 1905, Nov. 8, 1945, Serial No. 491,280.

"Steam-Aire"

FOR GARMENT RESHAPING AND REFRESHING MACHINES.
Claims use since Sept. 21, 1945.

505,625. (CLASS 32. FURNITURE AND UPHOLSTERY.) HAMPTON MODERN, INC., Paterson, N. J. Filed Nov. 25, 1947; originally filed, act of 1905, Feb. 25, 1946, Serial No. 497,178.

Modernesque

FOR LIVING ROOM, DINING ROOM, KITCHEN AND BRIDGE TABLES AND CHAIRS, DAVENPORTS, BEDS, DRESSERS, SETTEES, DESKS, BOOKCASES, CHESTS AND FOOTSTOOLS.
Claims use since Dec. 11, 1945.

505,626. (CLASS 10. FERTILIZERS.) KENTUCKY FERTILIZER WORKS, Winchester, Ky. Filed Dec. 26, 1947; originally filed, act of 1905, Apr. 16, 1946, Serial No. 500,308.

Terhune's

PURE PLANT FOOD

The name "Terhune" is the facsimile signature of Robert Terhune, a member of the co-partnership.
FOR FERTILIZER.
Claims use since Nov. 15, 1945.

505,627. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) WILLIAM W. LOEB COMPANY, Los Angeles, Calif., assignee of William W. Loeb Company, a co-partnership. Filed Oct. 18, 1947; originally filed, act of 1905, July 12, 1946, Serial No. 505,508.

AQUA-SEAL

FOR SHOWER CURTAINS.
Claims use since June 18, 1946.

505,628. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 19, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,454.

Carroll HOUSE

FOR IRONING BOARD PADS, IRONING BOARD COVERS, IRONING BOARD PAD AND COVER SETS.
Claims use since Aug. 23, 1946.

505,629. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 20, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,464.

Lady Carroll

FOR SOAP.
Claims use since Aug. 23, 1946.

505,630. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SPEED BRITE CHEMICAL CO., Los Angeles, Calif. Filed Aug. 12, 1948; originally filed, act of 1905, Sept. 23, 1946, Serial No. 509,612.

SPEED-BRITE

FOR WAX FURNITURE AND AUTOMOBILE POLISH
Claims use since Aug. 1, 1946.

505,631. (CLASS 19. VEHICLES.) DORSEY TRAILERS, Elba, Ala. Filed Sept. 15, 1948; originally filed, act of 1905, Nov. 1, 1946, Serial No. 511,865.

Dorsey Z★RO Transport

FOR REFRIGERATED TRAILERS ESPECIALLY FOR THE TRANSPORTATION OF FOOD PRODUCTS.
Claims use since June 1946.

505,632. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK L. WILEY, doing business as Oneida Chemical Company, Utica, N. Y. Filed Oct. 27, 1947; originally filed, act of 1905, Nov. 13, 1946, Serial No. 512,552.

Oneida Ratsirup

FOR LIQUID POISON FOR EXTERMINATION OF RATS.
Claims use since October 1934.

505,633. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) R & K DRESS CORPORATION, New York, N. Y., assignee of Rosenthal & Kalman, Inc. Filed June 15, 1948; originally filed, act of 1905, Feb. 24, 1947, Serial No. 518,042.

MANCHESTER TISSUE

FOR COTTON PIECE GOODS.
Claims use since Jan. 27, 1947.

505,634. (CLASS 39. CLOTHING.) G. A. L. BLOUSE CO., INC., New York, N. Y. Filed Mar. 9, 1948; originally filed, act of 1905, Mar. 7, 1947, Serial No. 518,653.

GAL

FOR LADIES' BLOUSES.
Claims use since Feb. 10, 1947.

505,635. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) DROUTMAN MANUFACTURING CO., New York, N. Y. Filed Aug. 12, 1948; originally filed, act of 1905, Mar. 12, 1947, Serial No. 518,879.

Vinyl Litewate

FOR LUGGAGE—NAMELY, OVERNIGHT BAGS, HAT BOXES, UTILITY BAGS, AND VALISES.
Claims use since Dec. 30, 1946.

505,636. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) GILBERT CENTER, New York, N. Y. Filed Sept. 4, 1948; originally filed, act of 1905, Apr. 18, 1947, Serial No. 520,944.

Traveler

FOR UMBRELLAS.
Claims use since Jan. 15, 1947.

505,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOLVENT MANUFACTURING COMPANY, Oklahoma City, Okla. Filed June 8, 1948; originally filed, act of 1905, Apr. 18, 1947, Serial No. 520,976.

AIR-CONDITION-AIRE (TRADE MARK)

FOR CHEMICAL FOR NON-ACID TREATMENT OF WATER USED IN EVAPORATIVE COOLERS AND OTHER TYPES OF AIR CONDITIONING APPARATUS.
Claims use since Jan. 30, 1947.

505,638. (CLASS 39. CLOTHING.) THE ELLIS COAT CO. INC., Manchester, Conn. Filed Mar. 23, 1948; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,122.

Classic Teens

FOR COATS AND SUITS FOR TEEN-AGE GIRLS.
Claims use since Dec. 9, 1946.

505,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNITED INDUSTRIES, Abilene, Tex. Filed Aug. 3, 1948; originally filed, act of 1905, May 12, 1947, Serial No. 522,273.

BUBBL SAN

FOR FOAMING BATH SALTS.
Claims use since Feb. 8, 1947.

505,640. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) LUDWIG KRUMM CO., INC., New York, N. Y. Filed Sept. 1, 1948; originally filed, act of 1905, May 12, 1947, Serial No. 522,286.

Krumm

FOR WALLETS, LADIES' HANDBAGS, AND LEATHER LUGGAGE—NAMELY, SUIT CASES, OVERNIGHT BAGS, FITTED DRESSING AND COSMETIC OVERNIGHT CASES AND WEEK-END BAGS.
Claims use since July 1946.

505,641. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HANCOCK STEEL CO., INC., Detroit, Mich. Filed July 15, 1948; originally filed, act of 1905, June 5, 1947, Serial No. 523,586.

HANCOCK COIL and SHEET STEEL

FOR STEEL, ALUMINUM, AND COPPER SHEETS, STEEL BARS, BRASS RODS, ALUMINUM INGOTS, STEEL AND ALUMINUM SHEETS.
Claims use since April 1946.

505,642. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ENGER-KRESS COMPANY, West Bend, Wis. Filed Oct. 8, 1948; originally filed, act of 1905, July 1, 1947, Serial No. 525,338.

Dial-A-Key

FOR KEY CONTAINERS.
Claims use since June 18, 1947.

505,643. (CLASS 32. FURNITURE AND UPHOLSTERY.) COUNTY METAL MANUFACTURING CORPORATION, New York, N. Y. Filed July 24, 1948, Serial No. 528,194.

SWING-A-DOOR

FOR MEDICINE CABINETS.
Claims use since Apr. 1, 1947.

505,644. (CLASS 39. CLOTHING.) MEL HAHN & GILBERT, INC., New York, N. Y. Filed July 29, 1948, Serial No. 528,473.

IT'S A Mel Hahn by GILBERT

FOR WOMEN'S AND MISSES' BLOUSES, DRESSES, PLAY SUITS, AND SLACKS.
Claims use since June 9, 1947.

505,645. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HELBERG'S DIAMOND SHOPS, INC., Kansas City, Mo. Filed Sept. 20, 1948, Serial No. 529,642.

Give it proudly -
Wear it proudly

FOR JEWELRY, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, PINS, EARRINGS, CUFF LINKS, AND BRACELETS.
Claims use since Aug. 12, 1945.

505,646. (CLASS 7. CORDAGE.) GENERAL PRINTED STRING COMPANY, Milwaukee, Wis. Filed Aug. 19, 1948, Serial No. 529,980.

AD-TY

FOR COTTON TAPE FOR PACKAGE TYING.
Claims use since 1936.

505,647. (CLASS 32. FURNITURE AND UPHOLSTERY.) P. J. GOULD COMPANY, Chicago, Ill. Filed Aug. 1, 1947, Serial No. 530,192.

TAILORIZED
True Fit

FOR SLIP COVERS FOR UPHOLSTERED FURNITURE.
Claims use since Feb. 1, 1944.

505,648. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) MICHALITSCHKE BROS. & CO., San Francisco, Calif. Filed July 9, 1948, Serial No. 530,543.

PERFECTION MAIS

Applicant claims ownership of registration No. 143,816.
FOR CIGARETTE PAPER CUT TO SIZE.
Claims use since 1912.

505,649. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Oct. 9, 1948, Serial No. 534,136.

"The Rod with the Fighting Heart"

FOR FISHING RODS.
Claims use since January 1930.

505,650. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TIMBER STRUCTURES, INC., Portland, Oreg. Filed Sept. 25, 1947, Serial No. 535,774.

RAY DAUGHTERS

The mark presented consists of the name of a living individual, Mr. Ray Daughters, and consent to the use and registration of the name is filed herewith.
FOR WOODEN DIVING SPRINGBOARDS.
Claims use since Jan. 15, 1945.

505,651. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,720.

SPECIAL NUTRIENT 114

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTI-BIOTICS.
Claims use since Dec. 20, 1944.

505,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,721.

SPECIAL NUTRIENT 14

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTI-BIOTICS.
Claims use since May 12, 1944.

505,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,722.

SPECIAL NUTRIENT 165

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTIBIOTICS.
Claims use since Dec. 20, 1946.

505,654. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,723.

SPECIAL NUTRIENT 4-SX

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTIBIOTICS.
Claims use since May 31, 1947.

505,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,724.

SPECIAL NUTRIENT 4-S

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTI-BIOTICS.
Claims use since July 6, 1946.

505,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Oct. 1, 1948, Serial No. 536,725.

SPECIAL NUTRIENT 22

FOR REFINED STEEPWATER USED FOR MOLD GROWTH IN THE PRODUCTION OF ANTI-BIOTICS.
Claims use since Feb. 1, 1946.

505,657. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) W. & S. BLACKINTON CO., INC., Meriden, Conn. Filed Oct. 5, 1948, Serial No. 540,242.

"RANDOLPH" FINE SILVERPLATE

FOR HOLLOW WARE—NAMELY, TRAYS, BOWLS, CONSOLE SETS, DISHES, AND DISH WARMERS PLATED WITH PRECIOUS METAL.
Claims use since July 15, 1947.

505,658. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY SATTERFIELD, Nice, Calif. Filed Oct. 19, 1948, Serial No. 542,357.

SATTERFIELD'S SURE KORN KURE

FOR SALVE FOR APPLICATION TO CORNS AND CALLOUSES.
Claims use since Oct. 1, 1947.

505,659. (CLASS 39. CLOTHING.) AMERICAN MANUFACTURING CORPORATION, INC., New Orleans, La. Filed Sept. 22, 1947, Serial No. 543,034.

SKINFIT

Applicant claims ownership of registration No. 306,824.
FOR WOMEN'S UNDERWEAR.
Claims use since Aug. 10, 1932.

505,660. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ELEANOR H. HULL, New York, N. Y. Filed Oct. 21, 1948, Serial No. 543,185.

Shoulderite

FOR SHOULDER PADS.
Claims use since October 1946.

505,661. (CLASS 19. VEHICLES.) TRANSIT BUSES, INC., Detroit, Mich., and Union City, Ind. Filed Oct. 22, 1948, Serial No. 546,628.

Transit Buses, Inc.

FOR AUTOMOTIVE BUSES.
Claims use since Oct. 1, 1947.

505,662. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) RED HEAD BRAND COMPANY, Chicago, Ill. Filed Feb. 5, 1948, Serial No. 548,842.

The drawing is lined to indicate the colors red and blue.
FOR DUFFEL BAGS.
Claims use since Jan. 24, 1947.

505,663. (CLASS 7. CORDAGE.) AMERICAN MANUFACTURING COMPANY, Brooklyn, N. Y., and Boston, Mass. Filed Dec. 30, 1947, Serial No. 552,381.

ALL WEATHER

Applicant claims ownership of registration No. 293,090.
FOR ROPE MADE FROM VEGETABLE FIBRES, SUCH AS MANILA ROPE, SISAL ROPE, AND THE LIKE.
Claims use since Dec. 1, 1929.

505,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELSYN-GOULD, INC., New York, N. Y. Filed Oct. 27, 1948, Serial No. 553,346.

Nutral

FOR DEODORANTS FOR BODY USE.
Claims use since July 1, 1946.

TRADE-MARK REGISTRATIONS RENEWED

71,279. "FITZ" AND DRAWING. Registered Nov. 17, 1908. The Burnham-Munger Mfg. Co., Kansas City, Mo. Re-renewed Nov. 17, 1948, to The Fitz Overall Company of Atchison, Kansas, Atchison, Kans., a corporation of Kansas. OVERALLS, JUMPERS, SHIRTS, AND PANTS MADE OF DUCK, DENIM, CANVAS, AND SIMILAR TEXTILE MATERIALS. Class 39.

71,700. REXALL. Registered Dec. 8, 1908. United Drug Company, Boston, Mass. Re-renewed Dec. 8, 1948, to Rexall Drug Company, Los Angeles, Calif., a corporation of Delaware. HOT-WATER BAGS OR BOTTLES AND FOUNTAIN-SYRINGES. Class 44.

237,151. "COLLEGE CHUMS." Registered Jan. 3, 1928. Cedar Grove Shoe Mfg. Co., Cedar Grove, Wis. Renewed Jan. 3, 1948, to Herbst Shoe Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin. SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. Class 39.

243,515. "C M" AND DESIGN. Registered June 26, 1928. C. & M. Produce Company, Carrizo Springs, Tex. Renewed June 26, 1948, to A. F. Childress, Uvalde, Tex. FRESH SPINACH, ONIONS, ROMAINE, LETTUCE, AND STRAWBERRIES. Class 46.

244,859. "BEAR EASY" ETC. AND DESIGN. Registered July 31, 1928. Frederic Martin, Sr., doing business as Columbus Washboard Co. Renewed July 31, 1948, to Columbus Washboard Company, Columbus, Ohio, a partnership. WASHBOARDS. Class 24.

246,715. NUGREY. Registered Sept. 11, 1928. Louis Sacks, Inc., doing business as Louis Sacks Iron Foundry. Renewed Sept. 11, 1948, to Sacks-Barlow Foundries, Inc., Newark, N. J., a corporation of New Jersey. IRON CASTINGS. Class 14.

246,849. PHOTOSTORY. Registered Sept. 18, 1928. Edwin J. Ryan. Renewed Sept. 18, 1948, to The Live Stock Press, Inc., Chicago, Ill., a corporation of Illinois. PRINTED PUBLICATION ISSUED WEEKLY OR MONTHLY. Class 38.

247,260. "ROEDING'S" ETC. AND DESIGN. Registered Sept. 25, 1928. Roeding Fig & Olive Co. Renewed Sept. 25, 1948, to Roeding Fig Co., Fresno, Calif., a corporation of California. DRIED FRUITS. Class 46.

248,103. TECS. Registered Oct. 16, 1928. Frank C. Flint, doing business as Knit Goods Specialty Company. Renewed Oct. 16, 1948, to Knit Goods Specialty Co., Chicopee Falls, Mass., a partnership. FABRIC BAGS FOR SHOES AND THE LIKE. Class 2.

249,427. K-M-DIE. Registered Nov. 13, 1928. Cyclops Steel Company, Inc., Titusville, Pa. Renewed Nov. 13, 1948, to Universal-Cyclops Steel Corporation, Bridgeville, Pa., a corporation of Pennsylvania. CHROMIUM-TUNGSTEN DIE STEELS. Class 14.

249,428. K-L-DIE. Registered Nov. 13, 1928. Cyclops Steel Company, Inc., Titusville, Pa. Renewed Nov. 13, 1948, to Universal-Cyclops Steel Corporation, Bridgeville, Pa., a corporation of Pennsylvania. CHROMIUM-TUNGSTEN DIE STEELS. Class 14.

249,429. NO. 17. Registered Nov. 13, 1928. Cyclops Steel Company, Inc., Titusville, Pa. Renewed Nov. 13, 1948, to Universal-Cyclops Steel Corporation, Bridgeville, Pa., a corporation of Pennsylvania. NON-CORROSIVE, NON-MAGNETIC, ALLOY-METAL STEELS. Class 14.

249,571. K-RUSTLESS. Registered Nov. 20, 1928. Cyclops Steel Company, Inc., Titusville, Pa. Renewed Nov. 20, 1948, to Universal-Cyclops Steel Corporation, Bridgeville, Pa., a corporation of Pennsylvania. NON-RUSTING, NONSTAINING ALLOY STEELS. Class 14.

249,763. CREMO-CARBONATES. Registered Nov. 20, 1928. H. K. Mulford Company. Renewed Nov. 20, 1948, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. ANTACID AND CORRECTIVE FOR DIGESTIVE DISTURBANCES. Class 6.

252,322. "BLUE MOUNTAIN" AND DESIGN. Registered Feb. 5, 1929. Frederick Elwood Mojonnier, doing business as Walla Walla Hothouse Vegetable Co. Renewed Feb. 5, 1949, to Mojonnier & Sons, Inc., Walla Walla, Wash., a corporation of Washington. FRESH VEGETABLES—NAMELY, SPINACH, GREEN ONIONS, ASPARAGUS, RHUBARB, ETC. Class 46.

255,260. REPRESENTATION OF RAILROAD SPIKE AND DESIGN. Registered Apr. 16, 1929. The West Virginia Rail Company. Renewed Apr. 16, 1949, to West Virginia Steel and Manufacturing Company, Huntington, W. Va., a corporation of West Virginia. RAILROAD SPIKES. Class 13.

TRADE-MARK REGISTRATIONS CANCELED

306,803. HEAD PLAY. Registered Sept. 26, 1933. The Axton-Fisher Tobacco Co., Louisville, Ky. CIGARETTES. Class 17. Canceled Dec. 6, 1948.

365,215. ARISTOKURL. Registered Feb. 28, 1939. Carlton Mills Co., Inc., Philadelphia, Pa., and New York, N. Y. WOOLEN PIECE GOODS. Class 42. Canceled Dec. 6, 1948.

427,708. DEGREASOL. Registered Feb. 18, 1947. General Solvents Sales Company, Inc., Rochester, N. Y. LIQUID SOLVENT AND CLEANER, ETC. Class 4. Canceled Dec. 6, 1948.

384,505. VIGOR-8. Registered Jan. 21, 1941. Edwin John Staley, Toronto, Ontario, Canada. CONCENTRATE IN THE FORM OF A LIQUID FOR MAKING A FOOD DRINK. Class 46. Canceled Dec. 10, 1948.

430,484. "TUF-SKIN" AND DESIGN. Registered June 10, 1947. Sidney Greenberg, New York, N. Y. SKIN LOTION FOR TOUGHENING THE HANDS BEFORE BOWLING. Class 6. Canceled Dec. 6, 1948.

438,139. "TIFFANY" AND DESIGN. Registered Apr. 6, 1948. David Schapira, New York, N. Y. SOAP IMPREGNATED PAPER TISSUE. Class 4. Canceled Dec. 14, 1948.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

178,722. "G. WASHINGTON'S PREPARED COFFEE" AND DESIGN. Registered Jan. 15, 1924. G. Washington Coffee Refining Co., New York, N. Y. PREPARED COFFEE. Class 46. Corrected as follows: In the renewal certificate, lines 2 and 3, "a corporation of New York" should be *a corporation of Ohio.*

325,993. AVI-TONE. Registered July 9, 1935. Dr. Salsbury's Laboratories, Charles City, Iowa. POULTRY AND BIRD MEDICINES. Class 6. The drawing is hereby amended to appear as follows:

AVI-TON

329,060. HOUSE OF LOMBARD. Registered Oct. 15, 1935. Lombardy Wine Corporation, New York, N. Y. WINES. Class 47. Corrected as follows: In the certificate, lines 2 and 15; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Lombardy Wine Corporation" should be *Lombardy Wine Corporation of New York.*

502,127. DIXIE RED MUD. Registered Sept. 14, 1948. Dixie Chemical Company, Houston, Tex. MIXTURE OF CHEMICALS USED AS AN ADDITIVE IN CONDITIONING OR CONTROLLING THE CHEMICAL AND PHYSICAL PROPERTIES OF OIL FIELD DRILLING MUD. Class 6. Corrected as follows: In the certificate, lines 2 and 13; in the heading to the statement; in column 1, line 1, and column 2, lines 4 and 5; and in the printed signature to the statement, "Dixie Chemical Company" should be *Dixie Chemical Company, Inc.*

503,305. PRINTRIM. Registered Oct. 19, 1948. William E. Wright & Sons Company, West Warren, Mass. TAPES USED FOR DRESS TRIMMINGS. Class 40. Corrected as follows: In the certificate, line 3, and in the statement, line 3, "Massachusetts" should be *New Jersey.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12 (c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 22,955. Registered May 2, 1893. WESTMORELAND COAL COMPANY, Philadelphia and Westmoreland County, Pa., a corporation of Pennsylvania. Republished by registrant.

WESTMORELAND COAL COMPANY'S

CRITERION COAL

FOR BITUMINOUS COAL.
Claims use since 1864.

Reg. No. 70,046. Registered July 28, 1908. CABIN CREEK CONSOLIDATED COAL COMPANY, Charleston, W. Va. Republished by Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware.

ACME COAL

FOR COAL.
Claims use since Jan. 1, 1893.

Reg. No. 110,705. Registered June 6, 1916. UTAH FUEL COMPANY, Castle Gate and Salt Lake City, Utah, a corporation of New Jersey. Republished by registrant, present address Salt Lake City, Utah.

CASTLE GATE COAL

FOR COAL.
Claims use since 1889.

Reg. No. 117,721. Registered July 24, 1917. UTAH FUEL COMPANY, Clear Creek and Salt Lake City, Utah, a corporation of New Jersey. Republished by registrant, present address Salt Lake City, Utah.

CLEAR CREEK

FOR COAL.
Claims use since 1899.

Reg. No. 242,834. Registered May 22, 1928. JEDDO-HIGHLAND COAL COMPANY, Jeddo, Pa., a corporation of Pennsylvania. Republished by registrant.

JEDDO

FOR COAL.
Claims use since 1892.

Reg. No. 329,764. Registered Nov. 12, 1935. CABIN CREEK CONSOLIDATED COAL COMPANY, Cincinnati, Ohio. Republished by Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware.

The word "Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since June 1932.

Reg. No. 353,570. Registered Jan. 11, 1938. GARDEN STATE TANNING CO., New York, N. Y. Republished by Garden State Tanning, Inc., New York, N. Y., a corporation of Vermont.

The drawing is lined for the color blue. The words "French Process Suede" are disclaimed apart from the mark as shown.
FOR RAW HIDES.
Claims use since January 1936.

Reg. No. 357,612. Registered June 7, 1938. J. LICHTMAN & SONS, Newark, N. J., a corporation of New Jersey. Republished by registrant.

J.L.&S.

FOR LEATHER.
Claims use since Dec. 23, 1937.

Reg. No. 363,151. Registered Dec. 13, 1938. GARDEN STATE TANNING CO., New York, N. Y. Republished by Garden State Tanning, Inc., New York, N. Y., a corporation of Vermont.

GAR-TAN

The word "Tan" is disclaimed apart from the mark as shown.
FOR RAW HIDES.
Claims use since Aug. 1, 1937.

Reg. No. 370,738. Registered Sept. 5, 1939. J. LICHTMAN & SONS, Newark, N. J., a corporation of New Jersey. Republished by registrant.

"BULLUC BUFFALO"

The word "Buffalo" is disclaimed apart from the mark as shown.
FOR LEATHER.
Claims use since Feb. 1, 1939.

Reg. No. 422,053. Registered July 2, 1946. R. WOLFENDEN & SONS, Attleboro, Mass., a firm. Republished by registrant.

WOLFENDEN Zephyr PROCESS

The words "Zephyr Process" and the representation of the spool are disclaimed apart from the mark as shown.
FOR COTTON, WOOLEN, LINEN, AND RAYON FIBRES, SLIVER, SLUBBING, AND ROVING.
Claims use since Mar. 1, 1944.

CLASS 2

RECEPTACLES

Reg. No. 181,778. Registered Mar. 25, 1924. EAGLE MANUFACTURING CO., Wellsburg, W. Va., a corporation of West Virginia. Republished by registrant.

EAGLE

FOR OIL-CONTAINING RECEPTACLES—NAMELY, OILERS AND SUPPLY CANS.
Claims use since 1907.

Reg. No. 324,978. Registered June 4, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

STOR-A-WAY

FOR PAPER OR FIBRE GARMENT BAGS.
Claims use since about January 1926.

Reg. No. 324,979. Registered June 4, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

Sentinel

FOR PAPER OR FIBRE GARMENT BAGS.
Claims use since about January 1932.

Reg. No. 324,980. Registered June 4, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

SANITEX

FOR PAPER OR FIBRE GARMENT BAGS.
Claims use since about January 1915.

Reg. No. 324,981. Registered June 4, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

SAFE-WAY

FOR PAPER OR FIBRE GARMENT BAGS.
Claims use since about January 1926.

Reg. No. 324,983. Registered June 4, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

CLOPAY

FOR PAPER OR FIBRE GARMENT BAGS.
Claims use since January 1932.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 317,991. Registered Oct. 9, 1934. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"Petticoat Lane"

FOR HANDBAGS AND TRAVELING BAGS.
Claims use since on or about May 4, 1934.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 184,889. Registered June 3, 1924. NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Republished by Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri.

Shine-All

The words "Shine-All" are disclaimed apart from the mark as shown.
FOR FURNITURE-CLEANING COMPOUND WITH INCIDENTAL POLISHING PROPERTIES.
Claims use since Jan. 10, 1915.

Reg. No. 268,362. Registered Mar. 11, 1930. FLORIAN, INC., Detroit, Mich. Republished by The Armand Company, Des Moines, Iowa, a corporation of Iowa.

Brisk

FOR SHAVING CREAM.
Claims use since Nov. 27, 1928.

Reg. No. 280,422. Registered Feb. 17, 1931. METAL TEXTILE CORPORATION, West Orange, N. J., a corporation of Delaware. Republished by registrant, present address Roselle, N. J.

CHORE GIRL

FOR METALLIC SPONGELIKE ABRASIVE WADS OR PADS.
Claims use since about May 1927.

Reg. No. 306,611. Registered Sept. 26, 1933. THE WILBUR WHITE CHEMICAL COMPANY, INC., Owego, N. Y. Republished by Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania.

SPEEDSOPE

FOR LIQUID SOAP FOR CLEANING TILE, ASPHALT-TILE, COMPOSITION, TERRAZZO, MARBLE, AND WOOD FLOORS AND FLOOR-COVERINGS OF LINOLEUM, CORK, RUBBER, AND THE LIKE, AND PAINTED OR VARNISHED WOODWORK.
Claims use since Feb. 20, 1933.

Reg. No. 346,410. Registered May 25, 1937. THE BLACK DIAMOND PAINT & VARNISH WORKS, INC., Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

PYRAMID

FOR BELT DRESSINGS.
Claims use since 1906.

Reg. No. 366,418. Registered Apr. 11, 1939. METAL TEXTILE CORPORATION, West Orange, N. J., a corporation of Delaware. Republished by registrant, present address Roselle, N. J.

Silvylocks

FOR POT CLEANERS MADE OF METALLIC MATERIAL.
Claims use since June 1, 1938.

Reg. No. 399,836. Registered Feb. 2, 1943. ROSWELL C. BARBOUR, doing business as The Barbour Company, St. Louis, Mo. Republished by The Barbour Company, Inc., St. Louis, Mo., a corporation of Missouri.

SOLE PROOF

The word "Sole" is disclaimed apart from the mark as shown.
FOR LIQUID LEATHER DRESSING.
Claims use since July 1939.

Reg. No. 408,273. Registered Aug. 1, 1944. THE LEA MANUFACTURING CO., Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

ARTAB

FOR BUFFING AND POLISHING COMPOSITIONS APPLICABLE TO THE TREATMENT OF METALS, PLASTICS, LEATHER, AND OTHER SOLID MATERIALS AND COMPOSITIONS GENERALLY, WHICH ARE SUSCEPTIBLE OF POLISHING BY ABRASIVE ACTION.
Claims use since February 1929.

CLASS 5

ADHESIVES

Reg. No. 287,464. Registered Sept. 29, 1931. THE O. & W. THUM COMPANY, Grand Rapids, Mich. Republished by The Tanglefoot Company, Grand Rapids, Mich., a corporation of Michigan.

TANGLEFOOT

FOR GUMMED CLOTH TAPE AND GUMMED PAPER TAPE.
Claims use since Oct. 20, 1925.

Reg. No. 411,018. Registered Jan. 2, 1945. THE LEA MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

AD-[ ]-SIVE

FOR GLUE COMPOSITIONS PARTICULARLY INTENDED FOR USE IN SIZING AND SETTING UP BUFFING AND POLISHING WHEELS WITH ABRASIVE MATERIAL.
Claims use since July 25, 1940.

Reg. No. 425,121. Registered Nov. 5, 1946. NATIONAL STARCH PRODUCTS INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

LOAD-LOK

FOR RESIN AND STARCH ADHESIVES.
Claims use since Sept. 27, 1945.

Reg. No. 431,643. Registered July 29, 1947. NATIONAL STARCH PRODUCTS INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

WOOD-LOK

The word "Wood" is disclaimed apart from the mark as shown.
FOR RESIN AND STARCH ADHESIVES.
Claims use since July 22, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 141,553. Registered Apr. 26, 1921. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

FOR INSECT POWDER.
Claims use since 1910.

Reg. No. 174,861. Registered Oct. 23, 1923. NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Republished by Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri.

Pine-O-cide

FOR DISINFECTANT.
Claims use since Feb. 15, 1916.

Reg. No. 226,492. Registered Apr. 12, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Indo - Carbon

The word "Carbon" per se is disclaimed apart from the mark as shown.
FOR DYES AND DYESTUFFS.
Claims use since about Jan. 1, 1914.

Reg. No. 227,300. Registered May 3, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen near Cologne-on-the-Rhine, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

Cellitazol

FOR DYES AND DYESTUFFS.
Claims use since about November 1926.

Reg. No. 227,413. Registered May 3, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen near Cologne-on-the-Rhine, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

Celliton

FOR DYES AND DYESTUFFS.
Claims use since about October 1926.

Reg. No. 232,223. Registered Sept. 6, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

FAST-U-SOL

FOR DYESTUFFS.
Claims use since Apr. 8, 1927.

Reg. No. 235,202. Registered Nov. 15, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

FANAL

FOR DYESTUFFS.
Claims use since about June 13, 1927.

Reg. No. 235,203. Registered Nov. 15, 1927. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

IGENAL

FOR DYESTUFFS.
Claims use since about June 13, 1927.

Reg. No. 237,185. Registered Jan. 3, 1928. GOLDENBERG'S, Washington, D. C. Republished by The Goldenberg Company, Washington, D. C., a corporation of Maryland.

Smart Set

FOR PERFUMERIES AND TOILET WATER, FACE POWDER, ROUGE, TALCUM, TOOTH POWDER, AND TOOTH PASTE.
Claims use since Mar. 1, 1922.

Reg. No. 240,802. Registered Apr. 10, 1928. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

MULSOID-SULFUR

The word "Sulfur" is disclaimed apart from the mark as shown.
FOR INSECTICIDES AND FUNGICIDES.
Claims use since June 26, 1926.

Reg. No. 244,136. Registered July 10, 1928. ALBERT EDWARD MALLARD, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

SALETO

FOR TABLETS AND CAPSULES FOR THE RELIEF OF PAIN, COMPOSED OF ANTIPYRETIC, ANALGESIC, ANTI-RHEUMATIC, ACID, ACETYLSALICYCLIC: PHENACETINE, CAMPHOR MONOBROMATE, CAFFEINE SALICYLATE.
Claims use since 1918.

Reg. No. 263,042. Registered Oct. 29, 1929. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

D-L-S DUST

The word "Dust" is disclaimed apart from the mark as shown.
FOR INSECTICIDES AND FUNGICIDES.
Claims use since May 22, 1929.

Reg. No. 263,943. Registered Nov. 12, 1929. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

WINTER-MULSION

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Dec. 8, 1925.

Reg. No. 263,944. Registered Nov. 12, 1929. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SUMMER-MULSION

FOR INSECTICIDES, FUNGICIDES, AND GERMICIDES.
Claims use since Sept. 23, 1925.

Reg. No. 274,075. Registered Aug. 19, 1930. PUBLICKER INCORPORATED, Philadelphia, Pa., assignor to De Lancey Chemical Corporation. Republished by Delancey Chemical Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

Thermice

FOR SOLIDIFIED CARBON DIOXIDE.
Claims use since April 2, 1930.

Reg. No. 282,540. Registered Apr. 21, 1931. OSCAR P. RUBARDT, doing business as O. P. Rubardt & Co., Chicago, Ill. Republished by registrant.

PRO-DURA

FOR DYES AND DYESTUFFS.
Claims use since 1918.

Reg. No. 284,768. Registered July 7, 1931. ROSS MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Stop-N-Seal

The words "Stop" and "Seal" are disclaimed apart from the mark as shown.
FOR COMPOUND FOR STOPPING LEAKS IN BOILERS.
Claims use since July 11, 1930.

Reg. No. 287,147. Registered Sept. 15, 1931. ROSS MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Kleen-N-Heat

The words "Kleen" and "Heat" are disclaimed apart from the mark as shown.
FOR BOILER CLEANING COMPOUND.
Claims use since Feb. 23, 1931.

Reg. No. 291,952. Registered Feb. 23, 1932. ALBERT E. MALLARD, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

TAURACRINE

FOR TABLETS USED AS A BILIARY STIMULANT AND ANTISEPTIC SOLVENT OF EFFETE MUCUS.
Claims use since Oct. 23, 1931.

Reg. No. 297,077. Registered Aug. 30, 1932. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

UPNOS

FOR SOPORIFIC MEDICINE.
Claims use since August 1927.

Reg. No. 298,206. Registered Oct. 18, 1932. VERITAS PRODUCTS COMPANY, New York, N. Y. Republished by Veritas Products Company, Inc., New York, N. Y., a corporation of New York.

Verithol

FOR ANTISEPTIC JELLY.
Claims use since Mar. 22, 1932.

Reg. No. 298,223. Registered Oct. 18, 1932. HARSFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Petticoat Lane

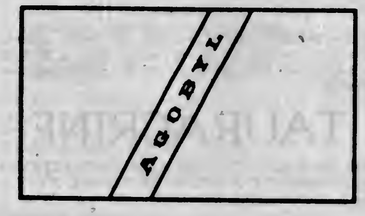
FOR PERFUME.
Claims use since Apr. 1, 1932.

Reg. No. 298,232. Registered Oct. 18, 1932. THE WILBUR WHITE CHEMICAL COMPANY, Owego, N. Y. Republished by Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania.

WAX LAC

The word "Wax" is disclaimed apart from the mark as shown.
FOR EMULSION FOR THE PRESERVATION OF FRUITS AND VEGETABLES.
Claims use since Aug. 29, 1931.

Reg. No. 298,678. Registered Nov. 1, 1932. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.



FOR LIVER POWDER.
Claims use since April 1928.

Reg. No. 299,516. Registered Dec. 6, 1932. HARSFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"Petticoat Lane"

FOR ASTRINGENT, SKIN TONIC, TISSUE CREAM, FOUNDATION CREAM, CLEANSING CREAM, AND FACE POWDER.
Claims use since Nov. 30, 1931.

Reg. No. 310,203. Registered Feb. 13, 1934. WORCESTER SALT CO., New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

All the words on the drawing are disclaimed apart from the mark as shown except "Worcester," "Worcester Salt Co." and the letters "CHP" enclosed within a circle.
FOR ICE CREAM SALT.
Claims use since on or about June 1, 1902.

Reg. No. 313,845. Registered June 12, 1934. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ROTO-DUST

The word "Dust" is disclaimed apart from the mark as shown.
FOR INSECTICIDES.
Claims use since Jan. 16, 1934.

Reg. No. 314,509. Registered July 3, 1934. A. E. MALLARD, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

The representation of a tablet is disclaimed apart from the mark as shown.
FOR TABLETS AND CAPSULES FOR THE RELIEF OF PAIN, COMPOSED OF ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; ACID ACETYLSALICYLIC; PHENACETINE; CAMPHOR MONOBROMATE; CAFFEINE SALICYLATE.
Claims use since Dec. 1, 1933.

Reg. No. 315,871. Registered Aug. 14, 1934. WILLIAM L. BECHTOLD, Newark, N. J. Republished by Albert Wigler, Newark, N. J.

THYMODINE

FOR SKIN OINTMENTS, HEALING SALVES, ANTISEPTIC LINIMENT, SKIN TONIC, TOILET POWDERS, AND ROUGE.
Claims use since June 1, 1911.

Reg. No. 316,710. Registered Sept. 4, 1934. SCOVILL, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

HEART'S DELIGHT

FOR GLOSS LAUNDRY STARCH.
Claims use since 1894.

Reg. No. 319,017. Registered Nov. 13, 1934. GASES INCORPORATED, Chicago, Ill. Republished by National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware.

FOR COMPRESSED GASES.
Claims use since June 29, 1934.

Reg. No. 322,364. Registered Mar. 5, 1935. WILLIAM L. BECHTOLD, Newark, N. J. Republished by Albert Wigler, Newark, N. J.

PYRL

FOR PREPARATION FOR THE TREATMENT OF INFLAMED, SPONGY, AND RECEDED GUMS.
Claims use since May 1, 1928.

Reg. No. 324,780. Registered May 28, 1935. ALBERT E. MALLARD, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

HALERCOL

FOR HALIBUT LIVER OIL.
Claims use since Feb. 1, 1934.

Reg. No. 331,670. Registered Jan. 14, 1936. THE BIRD-ARCHER COMPANY, New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.

PREFERRED BOILER TONE

FOR PREPARATION TO PREVENT RUST AND CORROSION AND TO REMOVE SCALE FORMATION IN STEAM BOILERS.
Claims use since July 1, 1933.

Reg. No. 331,957. Registered Jan. 28, 1936. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

BISMIX

FOR MEDICINAL POWDER FOR THE TREATMENT OF PATHOLOGICAL AFFECTIONS OF THE STOMACH.
Claims use since Nov. 1, 1933.

Reg. No. 350,551. Registered Sept. 28, 1937. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SPRALASTIC

FOR INSECTICIDES, FUNGICIDES, AND FLOCCULATORS.
Claims use since Mar. 31, 1937.

Reg. No. 353,267. Registered Dec. 28, 1937. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SULFIX

FOR INSECTICIDES AND FUNGICIDES.
Claims use since July 18, 1937.

Reg. No. 355,903. Registered Apr. 5, 1938. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SUMMER-TEX

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Sept. 27, 1937.

Reg. No. 356,325. Registered Apr. 26, 1938. ALBERT E. MALLARD, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

SEPTOSAN

FOR PROPHYLACTIC SUPPOSITORIES.
Claims use since 1920.

Reg. No. 358,106. Registered June 28, 1938. FRIENDLY

Reg. No. 403,984. Registered Oct. 26, 1943. KOCH

RYING CAPACITY OF THE LUBRICANT TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER

Reg. No. 417,762. Registered Nov. 13, 1945. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville,

Reg. No. 358,106. Registered June 28, 1938. FRIENDLY LABORATORIES, Shawnee, Okla., a corporation of Oklahoma. Republished by registrant.

KAM

FOR DIURETIC STIMULANT.
Claims use since on or about Aug. 15, 1937.

Reg. No. 361,955. Registered Nov. 8, 1938. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ROTO-SPRA

The word "Spra" is disclaimed apart from the mark as shown.
FOR INSECTICIDES.
Claims use since Oct. 22, 1937.

Reg. No. 381,074. Registered Sept. 10, 1940. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SOLCOPPER

FOR INSECTICIDES.
Claims use since Feb. 19, 1940.

Reg. No. 386,062. Registered Mar. 25, 1941. FRIENDLY LABORATORIES, Shawnee, Okla., a corporation of Oklahoma. Republished by registrant.

VAK

FOR LAXATIVE.
Claims use since on or about Mar. 5, 1938.

Reg. No. 395,315. Registered May 19, 1942. THE BIRD-ARCHER CO., New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.

TANALGINATE

FOR PREPARATION USED TO CONDITION WATER USED IN BOILERS IN THE GENERATION OF STEAM.
Claims use since September 1941.

Reg. No. 403,984. Registered Oct. 26, 1943. KOCH BUTCHERS' SUPPLY COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SUICIDE

FOR INSECTICIDES.
Claims use since on or about May 12, 1943.

Reg. No. 418,336. Registered Dec. 18, 1945. GIBBS & COMPANY, Chicago, Ill. Republished by Models' Cosmetics, Inc., Chicago, Ill., a corporation of Delaware.

Models Special

The word "Special" is disclaimed apart from the mark as shown.
FOR MAKE-UP AND LIPSTICK.
Claims use since Apr. 10, 1941.

Reg. No. 423,782. Registered Sept. 10, 1946. I. LOWER, Marion, Ohio. Republished by registrant.

OIL OF SEVEN TEMPLES

The word "Oil" is disclaimed apart from the mark as shown.
FOR INSECTICIDES.
Claims use since 1930.

Reg. No. 424,217. Registered Sept. 24, 1946. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PESTROY

FOR PEST INHIBITING COMPOSITIONS.
Claims use since Sept. 4, 1919.

Reg. No. 432,420. Registered Sept. 2, 1947. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SCL

FOR CHEMICAL CONCENTRATE ADAPTED TO BE USED IN LUBRICANTS SUCH AS MINERAL OILS, TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF THE LUBRICANT TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER MATING METAL SURFACES.
Claims use since Feb. 21, 1945.

Reg. No. 433,160. Registered Sept. 30, 1947. PLOUGH, INC., Memphis, Tenn., a corporation of Delaware. Republished by registrant.

PENETROIL

FOR MEDICINAL LINIMENT FOR RELIEF OF HEAD AND CHEST COLDS, SUNBURN, CHAPPED HANDS, BRUISES, TIRED AND SORE FEET, MUSCULAR ACHES AND PAINS, INSECT BITES, IN FACT, A GENERAL HOUSEHOLD SALVE.
Claims use since Jan. 1, 1914.

CLASS 7
CORDAGE

Reg. No. 193,741. Registered Jan. 6, 1925. BLAKE, MOFFITT AND TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

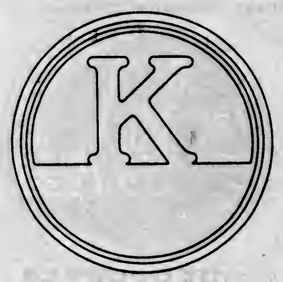
The word "Paper" is disclaimed apart from the mark as shown.
FOR TWINE.
Claims use since January 1914.

Reg. No. 282,631. Registered Apr. 28, 1931. FREYDBERG BROTHERS, INCORPORATED, New York, N. Y. Republished by Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York.

CELLO

FOR RIBBON COMPOSED OF CELLULOSE COMPOSITION MATERIAL FOR TYING PACKAGES AND OTHER USES.
Claims use since Nov. 17, 1930.

Reg. No. 417,762. Registered Nov. 13, 1945. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant.



FOR WIRE ROPE OR CABLE.
Claims use since on or about Dec. 1, 1940.

Reg. No. 426,166. Registered Dec. 17, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., doing business as Dan River Mills, Danville, Va., now by change of name to Dan River Mills, Incorporated. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

FLORABOND

FOR FLORISTS' TWINE.
Claims use since Mar. 30, 1946.

CLASS 9
EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 365,715. Registered May 14, 1939. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

Heart's Delight

FOR MATCHES.
Claims use since Oct. 31, 1938.

CLASS 10
CHEMICAL PRODUCTS

Reg. No. 138,960. Registered Jan. 18, 1921. DE-FI MANUFACTURING COMPANY, New York, N. Y., a corporation

Reg. No. 79,002. Registered July 26, 1910. THE PARAFFINE PAINT COMPANY, San Francisco, Calif. Republ-

Reg. No. 180,902. Registered Mar. 11, 1924. MARBLEHEAD LIME COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CLASS 10

FERTILIZERS

Reg. No. 435,273. Registered Dec. 16, 1947. ANNVILLE STONE COMPANY, Conshohocken, Pa., a corporation of Pennsylvania. Republished by registrant.

The drawing is lined to indicate the color red. All of the wording is disclaimed apart from the mark as shown.

FOR PULVERIZED AGRICULTURAL LIMESTONE, AND FERTILIZERS.

Claims use since Nov. 7, 1946.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 138,234. Registered Dec. 21, 1920. DE-FI MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

SO-LITE

FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since June 1908.

Reg. No. 138,802. Registered Jan. 11, 1921. DE-FI MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

CONQUEROR

FOR CARBON-PAPER AND TYPEWRITER RIBBONS.
Claims use since June 1, 1908.

Reg. No. 138,960. Registered Jan. 18, 1921. DE-FI MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

FOR CARBON-PAPER AND TYPEWRITER RIBBONS.
Claims use since June 1, 1908.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 24,272. Registered Feb. 20, 1894. HARBISON & WALKER, Pittsburgh, Pa. Republished by Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania.

FOR FIRE BRICK, TILE, AND ARTICLES MADE OF FIRE-CLAY.
Claims use since 1868.

Reg. No. 24,273. Registered Feb. 20, 1894. HARBISON, & WALKER, Pittsburgh, Pa. Republished by Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania.

FOR FIRE BRICK, TILE, AND ARTICLES MADE OF FIRE CLAY.
Claims use since 1873.

Reg. No. 79,002. Registered July 26, 1910. THE PARAFFINE PAINT COMPANY, San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

FOR BUILDING-PAPER AND COMPOSITE ROOFING.
Claims use since March 1885.

Reg. No. 132,772. Registered June 29, 1920. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO
PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.

FOR WATERPROOF ROOFINGS AND BUILDING-PAPERS MANUFACTURED FROM WATERPROOF MATERIALS COMBINED WITH FELT OR PAPER OR A COMBINATION OF SUCH MATERIALS.

Claims use since June 1918.

Reg. No. 158,137. Registered Mar. 14, 1922. THE CLEVELAND BUILDERS SUPPLY AND BRICK COMPANY, Cleveland, Ohio. Republished by The Cleveland Builders Supply Company, Cleveland, Ohio, a corporation of Ohio.

Cemenlopping

FOR PREPARED MIXTURE OF WHICH THE MAIN INGREDIENTS ARE SAND, GRAVEL, AND CEMENT FOR USE IN THE CONSTRUCTION OF SIDEWALKS, FLOORS, CELLAR BOTTOMS, DRIVEWAYS, AND THE LIKE.

Claims use since about Sept. 13, 1919.

Reg. No. 180,902. Registered Mar. 11, 1924. MARBLEHEAD LIME COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

The word "Lime" is disclaimed apart from the mark as shown.

FOR HYDRATED LIME.

Claims use since Mar. 1, 1923.

Reg. No. 190,973. Registered Oct. 28, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

The word "Paper" is disclaimed apart from the mark as shown.

FOR BUILDING PAPER.

Claims use since about Feb. 15, 1901.

Reg. No. 336,646. Registered July 14, 1936. THE NEW HAVEN COPPER CO., Seymour, Conn., a corporation of Connecticut. Republished by registrant.

KENMAR

FOR COPPER SHINGLES.
Claims use since Dec. 14, 1935.

Reg. No. 353,109. Registered Dec. 28, 1937. PORCELAIN ENAMELING COMPANY, Chicago, Ill. Republished by Lustron Corporation, Chicago, Ill., a corporation of Delaware.

LUSTRON

FOR PORCELAIN ENAMEL FINISH FOR METAL.
Claims use since Nov. 1, 1937.

Reg. No. 397,501. Registered Sept. 8, 1942. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo., a corporation of Missouri.

ASH GROVE

FOR HYDRATED LIME.
Claims use since Aug. 1, 1942.

Reg. No. 145,068. Registered July 26, 1921. E. M. DART MFG. CO., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

DART

FOR CARBON-PAPER AND TYPEWRITER RIBBONS.
Claims use since June 1, 1908.

Reg. No. 231,257. Registered Aug. 16, 1927. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

MUELLER

FOR BUILDING PAPER.
Claims use since about Feb. 15, 1901.

Reg. No. 353,109. Registered Dec. 28, 1937. PORCELAIN PRODUCTS COMPANY, Cicero, Ill. Republished by Lustron Corporation, Columbus, Ohio, a corporation of Illinois.

LUSTRON

FOR BUILDING MATERIALS IN THE NATURE OF STRUCTURAL AND ARCHITECTURAL SHEETS OR SHAPES FOR USE AS EXTERIOR OR INTERIOR FACING FOR WALLS, FLOORS OR CEILINGS, FOR PARTITIONS, DOORS, COUNTERS, SHELVES, SIGNS, CABINETS, COMPARTMENTS, CHUTES, OR OTHER ARCHITECTURAL, INDUSTRIAL OR COMMERCIAL PRODUCTS IN WHICH FLAT OR CURVED SURFACES ARE AN ESSENTIAL ELEMENT.
Claims use since Aug. 24, 1936.

Reg. No. 386,207. Registered Apr. 1, 1941. CONNORS STEEL COMPANY, Birmingham, Ala., a corporation of Delaware. Republished by registrant.

FOR CONCRETE REINFORCEMENT STEEL BARS.
Claims use since February 1931.

Reg. No. 386,213. Registered Apr. 1, 1941. SHALLOW WATER REFINING COMPANY, Scott City, Kans., a corporation of Missouri. Republished by registrant.

FOR STRAIGHT PETROLEUM ROOFING ASPHALT MANUFACTURED FOR HOT APPLICATION.
Claims use since Jan. 1, 1939.

Reg. No. 397,501. Registered Sept. 8, 1942. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo., a corporation of Maine. Republished by registrant.

DURA WHITE

The word "White" is disclaimed apart from the mark as shown.
FOR POWDERED CEMENT.
Claims use since Feb. 28, 1942.

Reg. No. 411,946. Registered Feb. 13, 1945. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

A-B-K

FOR PLASTIC TILES AND PLASTIC SLABS FOR USE AS FLOOR COVERINGS, WALL COVERINGS, STAIR TREADS, ETC.
Claims use since on or about Sept. 12, 1942.

Reg. No. 434,724. Registered Dec. 2, 1947. THE ALUMILINE CORP., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FOR STORE FRONT AND WINDOW MOULDINGS OF ALUMINUM, ALUMINUM ALLOYS, AND MIXTURES THEREOF.
Claims use since Jan. 7, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 140,618. Registered Mar. 22, 1921. KNICKERBOCKER MFG. CO., Chicago, Ill. Republished by Knickerbocker Rubber Company, Chicago, Ill., a firm.

Knickerbocker

FOR MASSAGE SHOWER BATH SPRAYS.
Claims use since 1903.

Reg. No. 145,068. Registered July 26, 1921. E. M. DART MFG. CO., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

DART

FOR METAL PIPE FITTINGS.
Claims use since Jan. 1, 1895.

Reg. No. 165,484. Registered Mar. 13, 1923. STANDARD STEEL WORKS COMPANY, Philadelphia, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.

FOR FORGED AND ROLLED STEEL PIPE FLANGES.
Claims use since June 1893.

Reg. No. 203,750. Registered Sept. 22, 1925. AMERICAN RUBBER PRODUCTS CORPORATION, Jersey City, N. J. Republished by American Rubber Products Corporation, New York, N. Y., a corporation of New York.

COPRTOP

FOR TANK BALLS.
Claims use since Sept. 1, 1924.

Reg. No. 229,813. Registered July 5, 1927. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

HM

FOR SOLDERING NIPPLES.
Claims use since on or about Feb. 15, 1887.

Reg. No. 231,257. Registered Aug. 16, 1927. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

H◇M

FOR VALVES AND FAUCETS.
Claims use since on or about May 1, 1890.

Reg. No. 231,322. Registered Aug. 16, 1927. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

H
◇
M

FOR VALVES AND COCKS.
Claims use since on or about Oct. 1, 1900.

Reg. No. 234,663. Registered Nov. 1, 1927. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Republished by registrant.

M-VB

FOR BALL COCKS, FLUSH VALVES; TANK FITTINGS—NAMELY, LEVERS, FLOATS, RODS, ELBOWS, FLANGES, HOOKS, AND METAL TUBING, AND HINGES.
Claims use since August 1909.

Reg. No. 304,975. Registered July 25, 1933. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

Reg. No. 120,800. Registered Mar. 5, 1918. TITAN METAL COMPANY, Milesburg and Bellefonte, Pa. Republished by Titan Metal Manufacturing Company, Bellefonte, Pa., a

Reg. No. 408,610. Registered Aug. 22, 1944. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

Reg. No. 433,727. Registered Oct. 28, 1947. ACE MANUFACTURING CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Reg. No. 304,975. Registered July 25, 1933. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

HITENSILOY

FOR HIGH TENSILE BRASS AND BRONZE LAVATORY HANDLES, BATHROOM SOAP DISHES, FLUSH VALVE HANDLES, AND ESCUTCHEONS.
Claims use since Nov. 1, 1931.

Reg. No. 304,976. Registered July 25, 1933. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

TINICOSIL

FOR HIGH TENSILE BRASS AND BRONZE LAVATORY HANDLES, BATHROOM SOAP DISHES, FLUSH VALVE HANDLES, AND ESCUTCHEONS.
Claims use since Nov. 1, 1931.

Reg. No. 423,227. Registered Aug. 27, 1946. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant, present address Belleville, N. J.

FOR BRACKETS FOR SUPPORTING INDIVIDUAL, OR A PLURALITY OF, CYLINDERS OF FIRE EXTINGUISHING MEDIUM.
Claims use since on or about July 15, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 64,766. Registered Aug. 20, 1907. THE WM. CRAMP & SONS SHIP & ENGINE BUILDING CO., Philadelphia, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.

CRAMP

FOR METALS COMPRISING BABBITT METAL AND MANGANESE-BRONZE.
Claims use since 1885.

Reg. No. 120,800. Registered Mar. 5, 1918. TITAN METAL COMPANY, Milesburg and Bellefonte, Pa. Republished by Titan Metal Manufacturing Company, Bellefonte, Pa., a corporation of Pennsylvania.

TITAN

FOR BRONZES, ROUND, SQUARE, AND HEXAGONAL BRONZE BARS, ROLLED AND COLD-DRAWN BRONZE BARS.
Claims use since June 1, 1915.

Reg. No. 120,801. Registered Mar. 5, 1918. TITAN METAL COMPANY, Milesburg and Bellefonte, Pa. Republished by Titan Metal Manufacturing Company, Bellefonte, Pa., a corporation of Pennsylvania.

"NITTANY"

FOR BRASS RODS, NAVAL BRASS, MUNTZ'S METAL, AND OTHER BRASSES.
Claims use since Feb. 1, 1917.

Reg. No. 133,691. Registered Aug. 3, 1920. HALL & PICKLES LIMITED, Manchester, England, a corporation of Great Britain. Republished by registrant.

HYDRA

FOR STEEL FOR TOOLS AND IRON AND STEEL IN THE FORM OF PIGS, INGOTS, BILLETS, RAILS, BARS, RODS, HOOPS, SHEETS, PLATES, ANGLES, AND OTHER FORMS IN WHICH IRON AND STEEL IS SUPPLIED TO ENGINEERS, MACHINE-MAKERS, AND SHIPBUILDERS.
Claims use since about the year 1888.

Reg. No. 288,569. Registered Nov. 3, 1931. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR BRASS AND BRONZE RODS, SHAPES, AND FORGINGS AND AUTOMATIC SCREW MACHINE PARTS UNFINISHED AND IN THE ROUGH.
Claims use since 1927.

Reg. No. 408,610. Registered Aug. 22, 1944. TITAN METAL MANUFACTURING COMPANY, Bellefonte, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR BRASS FORGINGS, BRASS CASTINGS, AND WELDING RODS.
Claims use since April 1943.

Reg. No. 411,284. Registered Jan. 9, 1945. CONTINENTAL STEEL CORPORATION, Kokomo and Indianapolis, Ind., and Canton, Ohio, a corporation of Indiana. Republished by registrant, present address Kokomo, Ind.

kokote

FOR GALVANIZED WIRE.
Claims use since July 28, 1944.

Reg. No. 413,926. Registered May 22, 1945. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J., a corporation of Delaware. Republished by registrant.

FOR CASTINGS OF NON-FERROUS METALS AND ALLOYS, AND CASTINGS INCLUDING IN PART AT LEAST A FERROUS CONSTITUENT.
Claims use since July 10, 1942.

Reg. No. 433,727. Registered Oct. 28, 1947. ACE MANUFACTURING CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ACE

FOR UNFINISHED OR PARTIALLY FINISHED METAL STAMPINGS, CASTINGS, AND FORGINGS.
Claims use since August 1931.

CLASS 15

OILS AND GREASES

Reg. No. 299,061. Registered Nov. 22, 1932. BLACK EAGLE OIL COMPANY, West Allis, Wis., a corporation of Wisconsin. Republished by registrant, present address Milwaukee, Wis.

The word "Quality" is disclaimed apart from the mark as shown.
FOR GASOLINE AND LUBRICATING OILS.
Claims use since Dec. 25, 1927.

Reg. No. 386,295. Registered Apr. 1, 1941. NORMA-HOFFMANN BEARINGS CORPORATION, Stamford, Conn., a corporation of New York. Republished by registrant.

NORMA

FOR GREASE FOR BALL AND ROLLER BEARINGS.
Claims use since Oct. 27, 1939.

Reg. No. 407,622. Registered June 13, 1944. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio, now by change of name to The Elco Lubricant Corporation. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

ELCO "22"

The number "22" is disclaimed apart from the mark as shown.
FOR LUBRICATING OILS AND GREASES.
Claims use since on or about Apr. 15, 1935.

Reg. No. 413,784. Registered May 15, 1945. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio. Republished by The Elco Lubricant Corporation, Cleveland, Ohio, a corporation of Ohio.

The word "Gear" and "22" are disclaimed apart from the mark as shown.

FOR LUBRICATING OILS AND GREASES.

Claims use since on or about July 1, 1936.

Reg. No. 413,792. Registered May 15, 1945. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

GEAR SAFETY No. 26
ELCO

The words "Gear" and "No. 26" are disclaimed apart from the mark as shown.

FOR LUBRICATING OILS AND GREASES.

Claims use since on or about Apr. 3, 1935.

Reg. No. 416,305. Registered Sept. 4, 1945. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SCL

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH OR BEARINGS OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

Reg. No. 430,561. Registered June 17, 1947. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

The words "Sulfo-Chloro-Lead" are disclaimed apart from mark as shown.

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH OR BEARINGS OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

Reg. No. 430,562. Registered June 17, 1947. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

The words "Sulfo-Chloro-Lead" are disclaimed apart from the mark as shown. The drawing is lined for the colors orange, red, blue, and yellow.

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS, OR OTHER MATING METAL SURFACES.

Claims use since Feb. 21, 1945.

Reg. No. 430,563. Registered June 17, 1947. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SCL

The drawing is lined for the colors blue and yellow.

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS, OR OTHER MATING METAL SURFACES.

Claims use since Feb. 15, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 56,989. Registered Oct. 30, 1906. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Republished by The Lowe Brothers Company (1929), Dayton, Ohio ,a corporation of Ohio.

LUTE

FOR LIQUID AND PASTE PAINTS.

Claims use since 1894.

Reg. No. 58,562. Registered Dec. 18, 1906. THE LOWE BROS. CO., Dayton, Ohio. Republished by The Lowe Brothers Company (1929), Dayton, Ohio, a corporation of Ohio.

Lowe Brothers

FOR LIQUID AND PASTE PAINTS, COLORS IN OIL, DRY COLORS AND VARNISHES.

Claims use since 1875.

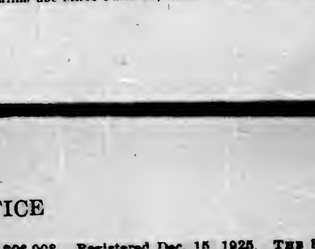
Reg. No. 65,279. Registered Sept. 17, 1907. THE PARAFFINE PAINT CO., San Francisco, Calif. Republished by The Paraffine Paint Company, Inc., San Francisco, Calif., a corporation of Delaware.

P. & B.

FOR PAINT AND PAINT COMPOUNDS FOR PROTECTIVE AND PRESERVATIVE PURPOSES.

Claims use since Oct. 1, 1884.

Reg. No. 80,941. Registered Feb. 14, 1911. THE PARAFFINE PAINT COMPANY, San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.



FOR PAINT AND PAINT COMPOUNDS FOR PROTECTIVE AND PRESERVATIVE PURPOSES.

Claims use since March 1885.

Reg. No. 101,599. Registered Dec. 29, 1914. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

REXPAR

FOR VARNISH AND PAINT TO BE USED ON WOOD OR METAL SURFACES.

Claims use since May 5, 1914.

Reg. No. 125,234. Registered Apr. 22, 1919. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Republished by The Lowe Brothers Company (1929), Dayton, Ohio, a corporation of Ohio.

Neptunite

FOR VARNISH.

Claims use since June 27, 1918.

Reg. No. 131,815. Registered May 25, 1920. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.

FOR LIQUID PAINTS, VARNISHES, AND PAINT COMPOUNDS FOR PROTECTIVE AND PRESERVATIVE PURPOSES.

Claims use since June 1918.

Reg. No. 140,426. Registered Mar. 15, 1921. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Republished by The Lowe Brothers Company (1929), Dayton, Ohio, a corporation of Ohio.

Mello-Glo

FOR READY-MIXED PAINTS.

Claims use since Oct. 15, 1917.

Reg. No. 150,107. Registered Dec. 27, 1921. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

ENAMELOID

FOR PAINTS (READY MIXED AND PASTE), FINISHES AND ENAMELS.

Claims use since June 1903.

Reg. No. 154,915. Registered May 16, 1922. THE DAYTON COLOR WORKS COMPANY, Dayton, Ohio. Republished by The Lowe Brothers Company, Dayton, Ohio, a corporation of Ohio.

Blak-En-Al

FOR BLACK READY-MIXED PAINTS.

Claims use since Aug. 13, 1918.

Reg. No. 164,607. Registered Feb. 20, 1923. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FLAT-RITE

FOR PAINTS (READY MIXED, PASTE FORM, OR DRY), PAINT ENAMELS, VARNISHES, AND FILLERS.

Claims use since Apr. 17, 1922.

Reg. No. 168,111. Registered May 15, 1923. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SWP

FOR PAINT (LIQUID, PASTE, OR SEMI-PASTE), PAINT ENAMELS, PRIMERS, PAINT OILS, COLOR INGREDIENTS.

Claims use since Jan. 14, 1881.

Reg. No. 169,474. Registered June 19, 1923. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

COMMONWEALTH

FOR PAINTS (READY-MIXED, PASTE FORM OR DRY), PAINT ENAMELS, VARNISHES, STAINS, AND FILLERS.

Claims use since Aug. 29, 1900.

Reg. No. 170,537. Registered July 17, 1923. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

The drawing is lined for red.

FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS.

Claims use since 1893.

Reg. No. 175,180. Registered Oct. 30, 1923. NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Republished by Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri.

TRACK LESS

FOR FLOOR DRESSING.

Claims use since Apr. 15, 1919.

Reg. No. 194,107. Registered Jan. 13, 1925. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

Plus 1 1

FOR SEMI-PASTE PAINT.

Claims use since Aug. 7, 1924.

Reg. No. 196,878. Registered Mar. 31, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KROMIK

FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS.

Claims use since Oct. 24, 1917.

Reg. No. 200,589. Registered June 7, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

IRIS

FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS.

Claims use since Dec. 6, 1920.

Reg. No. 203,242. Registered Sept. 15, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

OPEX

FOR NITROCELLULOSE LACQUERS AND ENAMELS, UNDERCOATINGS, AND THINNERS.

Claims use since July 10, 1923.

Reg. No. 206,908. Registered Dec. 15, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FLO-LAC

FOR PAINTS (READY-MIXED AND PASTE), FINISHES, VARNISHES, STAINS, PRIMERS, AND FILLERS.

Claims use since May 4, 1925.

Reg. No. 210,539. Registered Mar. 16, 1926. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Republished by The Lowe Brothers Company (1929), Dayton, Ohio, a corporation of Ohio.

Neptoseal

FOR FILLER, PRIMER, SEALER, AND SURFACER.

Claims use since Oct. 15, 1925.

Reg. No. 210,704. Registered Mar. 23, 1926. THE SMITH-ALSOP PAINT & VARNISH COMPANY, Terre Haute, Ind., a corporation of Indiana. Republished by registrant.

SPEEDLAC

FOR BRUSHING LACQUER FOR INTERIOR OR EXTERIOR USE ON WOOD OR METAL.

Claims use since Aug. 20, 1925.

Reg. No. 237,545. Registered Jan. 10, 1928. GEO. D. WETHERILL & CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ATLAS

FOR READY-MIXED PAINTS, PAINT ENAMELS, AND STAINS.

Claims use since Jan. 1, 1881.

Reg. No. 246,774. Registered Sept. 11, 1928. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Save-Lite

FOR PAINTS (READY-MIXED, OR LIQUID, PASTE FORM AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS.

Claims use since June 30, 1925.

Reg. No. 265,302. Registered Dec. 24, 1929. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PETRO-SEAL

The word "Seal" is disclaimed apart from the mark as shown.

FOR PAINTS (LIQUID, SEMI-PASTE, OR PASTE), VARNISHES, ENAMELS, OR LACQUERS FOR THE COATING OF METAL SURFACES AS A RESISTANT TO THE ACTION OF GASOLINE, PETROLEUM, AND OTHER SOLVENTS.

Claims use since June 3, 1929.

Reg. No. 275,775. Registered Sept. 30, 1930. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KEM

FOR PAINTS, IN MIXED, SEMI-LIQUID, OR READY-MIXED FORM; VARNISHES, LACQUERS, AND PAINT ENAMELS CONTAINING SYNTHETIC RESINS.

Claims use since July 10, 1929.

Reg. No. 276,106. Registered Oct. 7, 1930. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

NU-SPEDE

FOR PAINTS OF READY-MIXED FORM, VARNISHES, ENAMELS OF PAINT OR VARNISH TYPE, LACQUERS, STAINS, UNDERCOATERS, AND THINNERS FOR PAINTS, VARNISHES, AND ENAMELS, LACQUERS, STAINS, AND UNDERCOATERS.

Claims use since Apr. 24, 1929.

Reg. No. 282,606. Registered Apr. 28, 1931. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

BLUE STAR

FOR PAINTS, READY-MIXED AND PASTE, PAINT FINISHES, PAINT ENAMEL FINISHES, LACQUER FINISHES, PAINT ENAMELS, JAPANS, VARNISHES, STAINS AND FILLERS.

Claims use since Mar. 23, 1893.

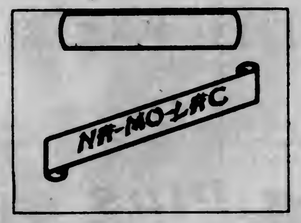
Reg. No. 284,170. Registered June 16, 1931. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KEMVAR

FOR PAINTS, IN PASTE, SEMI-LIQUID, OR READY-MIXED FORM; VARNISHES, VARNISH ENAMELS, AND CLEAR VARNISHES.

Claims use since Jan. 16, 1931.

Reg. No. 293,190. Registered Apr. 12, 1932. NORTH AMERICAN PAINT & CHEMICAL CO. LTD., Los Angeles, Calif. Republished by Old Colony Paint & Chemical Co., Los Angeles, Calif., a corporation of Nevada.



The word "Lac" is disclaimed apart from the mark as shown.

FOR PAINT ENAMELS.

Claims use since Mar. 3, 1928.

Reg. No. 295,027. Registered June 14, 1932. THE WILBUR WHITE CHEMICAL COMPANY, Owego, N. Y. Republished by Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania.

The word "Wax" is disclaimed apart from the mark as shown.

FOR WAXING AND POLISHING COMPOSITIONS FOR AUTOMOBILES, FLOORS, FURNITURE, AND THE LIKE.

Claims use since Jan. 14, 1932.

Reg. No. 295,811. Registered July 12, 1932. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

LUSTRAL

FOR PAINTS IN PASTE, SEMI-LIQUID, OR READY-MIXED FORM, VARNISHES, PAINT ENAMELS, AND CLEAR VARNISHES.

Claims use since Sept. 12, 1900.

Reg. No. 295,831. Registered July 12, 1932. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

HIL-BRITE

The word "Brite" is disclaimed apart from the mark as shown.

FOR LIQUID FLOOR WAX.

Claims use since Sept. 1, 1931.

Reg. No. 295,832. Registered July 12, 1932. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

HIL-KOTE

FOR LIQUID FLOOR WAX.

Claims use since Jan. 4, 1932.

Reg. No. 299,270. Registered Nov. 29, 1932. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

HIL-TONE

FOR LIQUID FLOOR POLISH.

Claims use since Jan. 4, 1932.

Reg. No. 299,325. Registered Nov. 29, 1932. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

Hil-Glo

FOR LIQUID FLOOR WAX.

Claims use since on or about Jan. 10, 1932.

Reg. No. 303,046. Registered May 9, 1933. THE WILBUR WHITE CHEMICAL COMPANY, INC., Owego, N. Y. Republished by Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania.

Speed Glos

The word "Glos" is disclaimed apart from the mark as shown.

FOR POLISHING WAX FOR AUTOMOBILES, FLOORS, AND FURNITURE.

Claims use since Dec. 3, 1932.

Reg. No. 332,410. Registered Feb. 11, 1936. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CASENITE

FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT FILLERS, KALSOMINE, WATER PAINTS, DRY PAINT COLORS, AND PAINT PIGMENTS.

Claims use since Sept. 1, 1934.

Reg. No. 338,298. Registered Sept. 1, 1936. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

FOR READY-MIXED LIQUID PAINTS.

Claims use since Apr. 14, 1936.

Reg. No. 339,747. Registered Oct. 20, 1936. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BOB-N

FOR PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, VARNISHES, DRY PAINT COLORS AND PAINT PIGMENTS.

Claims use since Feb. 18, 1936.

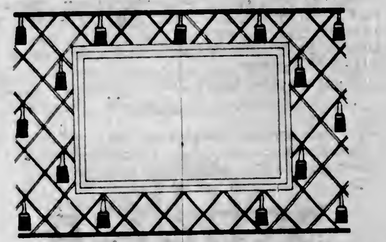
Reg. No. 340,296. Registered Nov. 3, 1936. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TRIPLE-LIFE

FOR COATING MATERIALS FOR PROVIDING A PROTECTIVE FILM FOR PAINTED, ENAMELED, VARNISHED, OR LACQUERED SURFACES AND FOR MAINTAINING POLISHED METAL SURFACES BRIGHT.

Claims use since May 16, 1935.

Reg. No. 344,061. Registered Mar. 9, 1937. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.



FOR VARNISHES, ENAMELS OF THE PAINT OR VARNISH TYPE, LACQUERS, STAINS, UNDERCOATERS; THINNERS FOR PAINTS, VARNISHES, ENAMELS, STAINS, LACQUERS, AND UNDERCOATERS; PASTE FILLER, LIQUID FILLER, PASTE PAINTS, VARNISH OILS, AND DRIERS.

Claims use since Apr. 14, 1936.

Reg. No. 344,334. Registered Mar. 16, 1937. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CHEKIT

FOR VARNISH.
Claims use since July 26, 1933.

Reg. No. 371,289. Registered Sept. 19, 1939. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Graphic Arts

FOR PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, WATER PAINTS, DRY PAINT COLORS, AND PAINT PIGMENTS.
Claims use since Jan. 31, 1939.

Reg. No. 372,791. Registered Nov. 14, 1939. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SHERDYE

FOR PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, DRY PAINT COLORS, PAINT PIGMENTS, PAINT REDUCERS, PAINT EXTENDERS, AND PAINT THINNERS.
Claims use since May 1, 1939.

Reg. No. 377,638. Registered May 7, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

XTAGE

FOR PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT FILLERS, UNDERCOATERS, AND PRIMERS.
Claims use since May 1, 1939.

Reg. No. 382,292. Registered Oct. 22, 1940. SCOVILL, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

Heart's Delight

FOR FLOOR WAX.
Claims use since 1910.

Reg. No. 402,838. Registered Aug. 17, 1943. EDWARD S. CARMACK, doing business as Zip Manufacturing Company, Little Rock, Ark. Republished by registrant.

ZIMCO

FOR FURNITURE POLISH.
Claims use since Nov. 22, 1941.

Reg. No. 410,525. Registered Nov. 28, 1944. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

HIL-MIST

FOR LIQUID FLOOR DRESSING.
Claims use since August 1935.

Reg. No. 413,297. Registered Apr. 17, 1945. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DIMENSO

FOR PAINTS IN DRY, PASTE OR READY-MIXED FORM, AND PAINT ENAMELS.
Claims use since about Oct. 2, 1944.

Reg. No. 416,944. Registered Oct. 9, 1945. HILLYARD CHEMICAL COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

ONEX-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
FOR LIQUID FLOOR POLISH.
Claims use since Jan. 1, 1930.

Reg. No. 432,091. Registered Aug. 19, 1947. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

DURA-CRAFT

FOR PAINTS IN DRY, PASTE, OR READY-MIXED FORM, AND PAINT ENAMELS.
Claims use since on or about Mar. 11, 1946.

Reg. No. 434,655. Registered Dec. 2, 1947. DELTA BRUSH MANUFACTURING CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

DELTA

FOR ARTISTS' WATER COLORS.
Claims use since September 1945.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 198,179. Registered May 5, 1925. JOSE ESCALANTE & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR CIGARS.
Claims use since about 1884.

Reg. No. 357,537. Registered June 7, 1938. JOSE ESCALANTE & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR CIGARS.
Claims use since March 1927.

Reg. No. 419,936. Registered Mar. 12, 1946. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

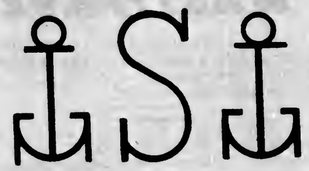
El Sidelo

FOR CIGARS.
Claims use since 1912.

CLASS 19

VEHICLES

Reg. No. 162,901. Registered Dec. 26, 1922. STANDARD STEEL WORKS COMPANY, Philadelphia, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.



FOR STEEL TIRES, STEEL TIRED WHEELS, AND SOLID ROLLED STEEL WHEELS.
Claims use since June 1893.

Reg. No. 351,941. Registered Nov. 16, 1937. INDIAN MOTOCYCLE COMPANY, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

CHIEF

FOR MOTORCYCLES.
Claims use since June 1, 1930.

Reg. No. 399,877. Registered Feb. 2, 1943. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

A-B-K

FOR VEHICLE WHEELS AND TRUCK CASTER WHEELS OF COMPOSITION MATERIAL.
Claims use since on or about Apr. 8, 1941.

Reg. No. 409,057. Registered Sept. 12, 1944. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

M-R-K

FOR VEHICLE WHEELS AND TRUCK CASTER WHEELS OF COMPOSITION MATERIAL.
Claims use since on or about Mar. 15, 1944.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 234,863. Registered Nov. 8, 1927. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

MASTIPAVE

FOR FLOOR COVERING FOR INDUSTRIAL USE AND COMPRISING A FELT BASE TREATED WITH A BITUMINOUS COMPOUND.
Claims use since Mar. 30, 1927.

Reg. No. 356,788. Registered May 10, 1938. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

COVERAY

FOR FIBER MATERIAL IN THE NATURE OF OILED CLOTH FOR COVERING FIXTURES, FURNITURE, WALLS, SHELVES, AND THE LIKE.
Claims use since Nov. 26, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 197,167. Registered Apr. 14, 1925. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

PIONEER

FOR ELECTRIC GYROSCOPIC APPARATUS AND ELECTRIC CONTROL SYSTEMS FOR INTERNAL-COMBUSTION-ENGINE SUPERCHARGERS.
Claims use since Mar. 1, 1919.

Reg. No. 226,783. Registered Apr. 19, 1927. THE SCOTT & FETZER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Vacuette

FOR ELECTRICALLY OPERATED SUCTION CLEANERS.
Claims use since Sept. 16, 1925.

Reg. No. 251,392. Registered Jan. 8, 1929. THE SCOTT & FETZER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Aer-rotor

The word "Rotor" is disclaimed apart from the mark as shown.
FOR ELECTRIC VACUUM CLEANERS.
Claims use since July 3, 1928.

Reg. No. 434,649. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

MEG-O-MAX

FOR HIGH WATTAGE ELECTRIC RESISTORS FOR INDUSTRIAL AND RADAR USE.
Claims use since Sept. 1, 1943.

Reg. No. 434,718. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR ELECTROLYTIC CAPACITORS.
Claims use since Oct. 17, 1939.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 377,915. Registered May 21, 1940. METAL TEXTILE CORPORATION, West Orange, N. J., a corporation of Delaware. Republished by registrant, present address Roselle, N. J.

"MAGGIE"

FOR PAPER DOLLS.
Claims use since 1924.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 157,168. Registered July 25, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR TABLE KNIVES, FORKS, AND SPOONS OF BASE METALS FOR HOUSEHOLD USE, POCKETKNIVES, SCISSORS; DIES FOR ENGRAVING, STAMPING, OR EMBOSSING STATIONERY.
Claims use since Jan. 1, 1895.

Reg. No. 208,800. Registered Feb. 9, 1926. THE UNIVERSAL PRODUCTS CO. INC., Detroit, Mich. Republished by Universal Products Company, Inc., Detroit, Mich., a corporation of Delaware.

DETROIT UNIVERSALS

The words "Detroit," "Universals" and the representation of the goods are disclaimed apart from the mark as shown.
FOR UNIVERSAL JOINTS AND PARTS THEREOF.
Claims use since Aug. 12, 1925.

Reg. No. 222,924. Registered Jan. 11, 1927. THE GLEANER MANUFACTURNG CO., Independence, Mo. Republished by Gleaner Harvester Corporation, Independence, Mo., a corporation of Missouri.

The Gleaner

FOR COMBINED HARVESTERS, THRASHERS, AND SEPARATORS.
Claims use since Oct. 1, 1923.

Reg. No. 244,879. Registered July 31, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

SIGMA NU

FOR FRATERNITY BADGES, COAT OF ARMS, SHIELDS, LAPEL BUTTONS, FINGER RINGS, LOCKETS, FLASKS, BAR PINS, BRACELETS, BELT BUCKLES, CUFF LINKS, CHAINS, CHARMS; SCARF, LAPEL, AND BREAST PINS; COMPACTS, FAVORS, TOILET SETS, TABLEWARE, POCKETKNIVES, TIE CLASPS, ALL OF PRECIOUS METAL.
Claims use since on or about 1869.

Reg. No. 283,804. Registered June 9, 1931. THE SCOTT & FETZER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Sani Em-Tor

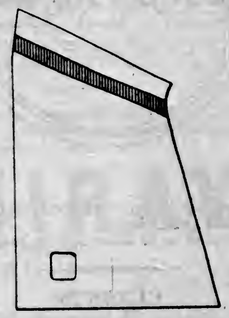
FOR SUCTION CARPET SWEEPERS.
Claims use since Jan. 27, 1931.

Reg. No. 322,123. Registered Feb. 26, 1935. COLUMBUS IRON WORKS, doing business as Southern Plow Co. Dept., Columbus, Ga., a corporation of Georgia. Republished by registrant.

On-li-won

FOR CULTIVATOR SCRAPERS.
Claims use since Sept. 18, 1934.

Reg. No. 377,094. Registered Apr. 16, 1940. COLUMBUS IRON WORKS COMPANY, Columbus, Ga., a corporation of Georgia. Republished by registrant.



The lining in the drawing indicates the color red. The representation of the goods is disclaimed apart from the mark as shown.
FOR PLOW AND CULTIVATOR PARTS—NAMELY, SHOVELS, SWEEPS, BULL TONGUES, WINGS OR MOLDBOARDS, HEEL SCRAPES OR HEEL SWEEPS, BLADES, SCOOTERS, POINTS, AND SHAPES.
Claims use since Sept. 22, 1939.

Reg. No. 426,804. Registered Jan. 14, 1947. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DIMENSO

FOR GENERAL PURPOSE SPRAY GUN APPARATUS AND RELATED EQUIPMENT, SUCH AS HOSES, VALVES, GAUGES, AND PRESSURE TANKS.
Claims use since about Feb. 27, 1945.

Reg. No. 428,871. Registered Apr. 8, 1947. WHISSER MOTOR COMPANY, Los Angeles, Calif. Republished by Whisser Motor Company, Inc., Pontiac, Mich., a corporation of Delaware.

WHIZZER

FOR INTERNAL COMBUSTION BICYCLE MOTORS.
Claims use since June 15, 1939.

Reg. No. 434,719. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR CERAMIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,720. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR PAPER CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,721. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MICA CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,722. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MOLDED CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,723. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR ELECTROLYTIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,724. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR PAPER CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,725. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MICA CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,726. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MOLDED CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,727. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR CERAMIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,728. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR ELECTROLYTIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,729. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR PAPER CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,730. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MICA CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,731. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MOLDED CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,732. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR CERAMIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,733. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR ELECTROLYTIC CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,734. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR PAPER CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,735. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MICA CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,736. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

ATOMS

FOR MOLDED CAPACITORS.
Claims use since Oct. 17, 1939.

Reg. No. 434,737. Registered Dec. 2, 1947. SPRAGUE PRODUCTS COMPANY, North Adams, Mass., a corporation of Massachusetts. Republished by registrant.

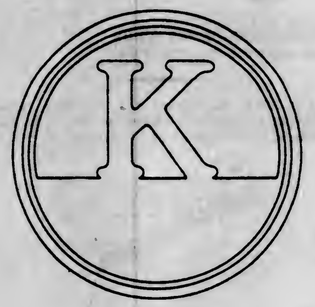
ATOMS

FOR CERAMIC CAPACITORS.
Claims use since Oct. 17, 1939.

CLASS 25

LOCKS AND SAFES

Reg. No. 422,427. Registered July 23, 1946. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant.



FOR LOCK EQUIPPED CABINETS FOR FIRE EXTINGUISHING APPARATUS.
Claims use since on or about Oct. 15, 1942.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 197,167. Registered Apr. 14, 1925. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Republished by Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware.

PIONEER

FOR ELECTRIC GYROSCOPIC APPARATUS AND ELECTRIC CONTROL SYSTEMS FOR INTERNAL-COMBUSTION-ENGINE SUPERCHARGERS.
Claims use since Mar. 1, 1919.

Reg. No. 407,066. Registered May 16, 1944. THE LINCOLN PARK TOOL AND GAGE COMPANY, Lincoln Park, Mich. Republished by Webber Gage Company, Cleveland, Ohio, a copartnership.

CARBLOX

FOR PRECISION GAUGE BLOCKS.
Claims use since Oct. 1, 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 421,163. Registered May 21, 1946. SUSSMAN & MEDNEY, New York, N. Y. Republished by Sussman & Medney, Inc., New York, N. Y., a corporation of New York.

PERRAUX

FOR WATCHES.
Claims use since January 1940.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 244,879. Registered July 31, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

SIGMA NU

FOR FRATERNITY BADGES, COAT OF ARMS, SHIELDS, LAPEL BUTTONS, FINGER RINGS, LOCKETS, FLASKS, BAR PINS, BRACELETS, BELT BUCKLES, CUFF LINKS, CHAINS, CHARMS; SCARF, LAPEL, AND BREAST PINS; COMPACTS, FAVORS, TOILET SETS, TABLEWARE, POCKETKNIVES, TIE CLASPS, ALL OF PRECIOUS METAL.
Claims use since on or about 1869.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 206,454. Registered Dec. 1, 1925. RUBON WOODFINISHING & PRODUCTS CO., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

RUBON

FOR DUST CLOTHS, DUSTERS, DUST MOPS, WATER MOPS, WAX SPREADERS, AND WAX POLISHING BRUSHES.
Claims use since July 1, 1922.

Reg. No. 418,506. Registered Jan. 1, 1946. ACME MANUFACTURING CO., Sedalia, Mo. Republished by Zephyr Manufacturing Co., Sedalia, Mo., a corporation of Missouri.

ZEPHYR

FOR MOPS, I. E., FLOOR MOPS, DUST MOPS, AND DISH MOPS.
Claims use since on or about August 1940.

CLASS 31

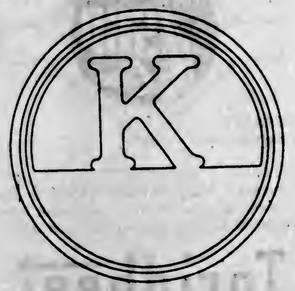
FILTERS AND REFRIGERATORS

Reg. No. 273,566. Registered Aug. 5, 1930. GOSLIN-BIRMINGHAM MANUFACTURING COMPANY, INC., Birmingham, Ala., a corporation of Alabama. Republished by registrant.

VALLEZ ROTARY FILTER

The words "Rotary Filter" are disclaimed apart from the mark as shown.
FOR FILTERS.
Claims use since Feb. 15, 1918.

Reg. No. 424,601. Registered Oct. 15, 1946. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant.



FOR POROSITY FILTERS AND STRAINERS FOR USE IN SEPARATING WATER FROM GAS IN OXYGEN COMPRESSORS.
Claims use since on or about Jan. 15, 1943.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 325,464. Registered June 25, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

FIBRE-TEX

The word "Fibre" is disclaimed apart from the mark as shown.
FOR WINDOW SHADES.
Claims use since Jan. 30, 1932.

Reg. No. 331,259. Registered Dec. 31, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

FABRAY

FOR WINDOW SHADES.
Claims use since Nov. 1, 1934.

Reg. No. 331,260. Registered Dec. 31, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

FAB-TEX

FOR WINDOW SHADES.
Claims use since Dec. 29, 1934.

Reg. No. 335,952. Registered June 16, 1936. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

Lintone

FOR WINDOW SHADES.
Claims use since Jan. 28, 1936.

Reg. No. 347,748. Registered July 6, 1937. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

MIRAY

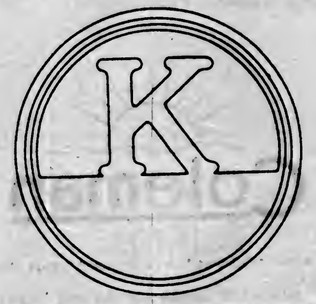
FOR WINDOW SHADES.
Claims use since Feb. 15, 1937.

Reg. No. 415,368. Registered Aug. 7, 1945. CHESLEE GLASS CO., Brooklyn, N. Y., a firm. Republished by registrant.

LIFETIME

FOR MIRRORS—NAMELY, FURNITURE MIRRORS, WALL MIRRORS, POCKET MIRRORS, MAKE-UP MIRRORS, AND SHAVING MIRRORS.
Claims use since Jan. 2, 1945.

Reg. No. 422,757. Registered Aug. 13, 1946. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant.



FOR CABINETS FOR SMOKE DETECTING EQUIPMENT SOLD IN TRADE EMPTY.
Claims use since on or about Sept. 1, 1943.

CLASS 34

Reg. No. 340,222. Registered Nov. 3, 1936. SUPER OIL HEAT CO., Brooklyn, N. Y. Republished by Par-Ameri-

Reg. No. 139,823. Registered Feb. 22, 1921. IMPERIAL LIGHTING COMPANY, Chicago, Ill., a corporation of Dela-

Reg. No. 426,175. Registered Dec. 17, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 197,915. Registered Apr. 28, 1925. EAGLE MANUFACTURING CO., Wellsburg, W. Va., a corporation of West Virginia. Republished by registrant.

EAGLE

FOR TORCHES, TALLOW POTS, OR OIL POTS.
Claims use since 1907.

Reg. No. 217,533. Registered Aug. 31, 1926. THE COLEMAN LAMP COMPANY, Wichita, Kans. Republished by The Coleman Lamp Company, Inc., Wichita, Kans., a corporation of Kansas.

AIR-O-GAS

FOR STOVES USING GASOLINE AS A FUEL.
Claims use since Dec. 24, 1925.

Reg. No. 284,894. Registered July 7, 1931. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

Silk-Lite

FOR INCANDESCENT MANTLES.
Claims use since May 20, 1930.

Reg. No. 295,262. Registered June 28, 1932. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

Coleman

The name "Coleman" is disclaimed apart from the mark as shown.
FOR GASOLINE BURNING LAMPS, LANTERNS, HEATERS, MANTLES, FUEL SUPPLY TANKS, BURNERS, AND PARTS THEREFOR.
Claims use since May 20, 1930.

Reg. No. 340,222. Registered Nov. 3, 1936. SUPER OIL HEET CO., Brooklyn, N. Y. Republished by Pan-American Enterprises, Inc., New York, N. Y., a corporation of New York.

SUPER-FLAME
"The Proof is in the Heating"

The word "Heating" is disclaimed apart from the mark as shown.
FOR OIL BURNERS.
Claims use since October 1934.

Reg. No. 380,206. Registered Aug. 13, 1940. SECURITY MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SGP Line

FOR FURNACES.
Claims use since Mar. 9, 1940.

Reg. No. 434,618. Registered Nov. 25, 1947. CLEVELAND STEEL PRODUCTS CORPORATION, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Toridheet

FOR OIL BURNING HEATERS FOR DOMESTIC AND INDUSTRIAL USE.
Claims use since on or about May 15, 1941.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 133,144. Registered July 13, 1920. IMPERIAL BELTING COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.
Delaware.

IBECO

FOR DUCK BELTING.
Claims use since May 20, 1919.

Reg. No. 138,031. Registered Dec. 14, 1920. IMPERIAL BELTING COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

SAHARA

FOR DUCK BELTING.
Claims use since Oct. 20, 1910.

Reg. No. 139,823. Registered Feb. 22, 1921. IMPERIAL BELTING COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

SANITAL

FOR DUCK BELTING.
Claims use since July 21, 1914.

Reg. No. 194,200. Registered Jan. 20, 1925. PERLEY L. KNICK, doing business as Knick's Mend-Rite Mfg. Co., Kansas City, Mo. Republished by Knick's Mend-Rite Co., Kansas City, Mo., a partnership.

MEND-RITE

FOR FAN BELTS, RUBBER AND FABRIC PATCHES, AND BLOW-OUT PATCHES.
Claims use since Mar. 1, 1924.

Reg. No. 384,700. Registered Jan. 28, 1941. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

ABEX

FOR FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES.
Claims use since on or about Feb. 27, 1940.

Reg. No. 417,763. Registered Nov. 13, 1945. WALTER KIDDE & COMPANY, INC., New York, N. Y., and Belleville, N. J., a corporation of New York. Republished by registrant.

K

Reg. No. 426,175. Registered Dec. 17, 1946. AMERICAN BRAKE SHOE COMPANY, New York, N. Y., a corporation of Delaware. Republished by registrant.

FOR FRICTIONAL ELEMENTS FOR AUTOMOTIVE AND INDUSTRIAL BRAKES AND CLUTCHES.
Claims use since on or about Apr. 26, 1946.

CLASS 37

PAPER AND STATIONERY

Reg. No. 32,859. Registered May 16, 1899. CODORUS PAPER MILLS; LIMITED, York, Pa. Republished by Schmidt & Ault Paper Co., York, Pa., a corporation of Pennsylvania.

FOR PAPER.
Claims use since Aug. 1, 1898.

Reg. No. 74,178. Registered June 22, 1909. JAPANESE TISSUE MILLS, Holyoke, Mass. Republished by American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts.

ROYAL

FOR DECORATED OR ORNAMENTAL PAPER NAPKINS.
Claims use since on or about the month of

Reg. No. 241,566. Registered May 1, 1928. SIGMA NU

Reg. No. 278,378. Registered Dec. 16, 1930. DUNN

Reg. No. 85,354. Registered Feb. 13, 1912. JAPANESE TISSUE MILLS, Holyoke, Mass. Republished by American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts.

TRADE MARK

Sanigenic

The triangular border is lined for red.
FOR PAPER TOWELS AND PAPER NAPKINS.
Claims use since on or about Aug. 17, 1910.

Reg. No. 85,660. Registered Mar. 5, 1912. JAPANESE TISSUE MILLS, Holyoke, Mass. Republished by American Tissue Mills, Holyoke, Mass., a corporation of Massachusetts.

CREPENE

FOR TOILET-PAPER.
Claims use since on or about Sept. 15, 1910.

Reg. No. 158,076. Registered Aug. 22, 1922. ROCKWELL-BARNES COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ROBARCO

FOR ADDING-MACHINE ROLLS, BINDERS, CLIP BOARDS, COMPOSITION BOOKS, COPY CLOTHS, DOCUMENT MANILA, FILE BACKS, FILE FOLDERS, HAT CHECKS, IMPRESSION BOOKS, JOURNAL BOOKS, LONG DAY BOOKS, MEMORANDUM BOOKS, METAL FILE BOXES, PAPER TABLETS; PAPER FASTENERS, BRASS AND STEEL; PERFORATED MEMO TABS, RECORD BOOKS, SPELLING BLANKS, STENOGRAPHIC NOTEBOOKS, TRAIN ORDERS, WAYBILLS; BLANK BOOKS AND PENCILS, ORDINARY AND MECHANICAL; PAPERS—BOND, CLOTH FINISH, DUPLEX, FRENCH FOLIO, LAID, LINEN, MIMEOGRAPH, ONIONSKIN, PARCHMENT, PRINT, SULPHITE, TELEGRAPH WRITING, WOVE, WRITING; PAPERS, RULED—FOOLSCAP, JOURNAL, LEDGER, PENMANSHIP.
Claims use since June 15, 1921.

Reg. No. 163,731. Registered Jan. 23, 1923. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

FINELEAF

FOR PRINTING PAPER OF THE KIND KNOWN AS "MAKE-READY."
Claims use since May 17, 1922.

Reg. No. 181,141. Registered Mar. 11, 1924. SCHMIDT & AULT PAPER CO., York, Pa., a corporation of Pennsylvania. Republished by registrant.

COLORUS

FOR BOX-BOARD AND WRAPPING PAPER.
Claims use since Apr. 6, 1923.

Reg. No. 181,449. Registered Mar. 18, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

INDUSTRY BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR BOND PAPER.
Claims use since January 1912.

Reg. No. 181,450. Registered Mar. 18, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

MESSENGER BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR BOND PAPER.
Claims use since January 1903.

Reg. No. 241,565. Registered May 1, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

FOR WRITING PAPER AND ENVELOPES AND MEMORANDUM BLANKS; ALSO BUSINESS FORMS—NAMELY, PRINTED BLANK FORMS.
Claims use since on or about 1867.

Reg. No. 241,566. Registered May 1, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

FOR WRITING PAPER AND ENVELOPES AND MEMORANDUM BLANKS; ALSO BUSINESS FORMS—NAMELY, PRINTED BLANK FORMS.
Claims use since on or about 1915.

Reg. No. 241,567. Registered May 1, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

Σ N

FOR WRITING PAPER AND ENVELOPES AND MEMORANDUM BLANKS; ALSO BUSINESS FORMS—NAMELY, PRINTED BLANK FORMS.
Claims use since on or about 1887.

Reg. No. 241,568. Registered May 1, 1928. SIGMA NU FRATERNITY, Indianapolis, Ind., an association. Republished by registrant.

SIGMA NU

FOR WRITING PAPER AND ENVELOPES AND MEMORANDUM BLANKS; ALSO BUSINESS FORMS—NAMELY, PRINTED BLANK FORMS.
Claims use since on or about 1887.

Reg. No. 269,126. Registered Mar. 25, 1930. SCHMIDT & AULT PAPER CO., York, Pa., a corporation of Pennsylvania. Republished by registrant.

WADRY

FOR PAPER LINING FOR CORRUGATED PAPER.
Claims use since Oct. 5, 1929.

Reg. No. 275,127. Registered Sept. 16, 1930. CHARLES BRUNING COMPANY, INC., New York, N. Y. Republished by Arkwright Finishing Company, Providence, R. I., a corporation of Rhode Island.

MATSURF

The words "Mat" and "Mat Surface" are disclaimed apart from the mark as shown.
FOR PENCIL-TRACING CLOTH.
Claims use since Feb. 15, 1930.

Reg. No. 278,378. Registered Dec. 16, 1930. DUNN SULPHITE PAPER CO., Port Huron, Mich., a corporation of Michigan. Republished by registrant.

FOR TISSUE PAPER.
Claims use since Apr. 1, 1930.

Reg. No. 288,924. Registered Nov. 10, 1931. THE AMERICAN ENVELOPE CO., West Carrollton, Ohio, a corporation of Ohio. Republished by registrant.

SECUROMAIL

FOR MAILING AND CORRESPONDENCE ENVELOPES.
Claims use since July 28, 1930.

Reg. No. 292,461. Registered Mar. 15, 1932. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

RITEWELL

FOR MIMEOGRAPH PAPER.
Claims use since Aug. 1, 1923.

Reg. No. 293,676. Registered May 3, 1932. CHARLES BRUNING COMPANY, INC., New York, N. Y. Republished by Arkwright Finishing Company, Providence, R. I., a corporation of Rhode Island.

Rival

FOR TRACING CLOTH.
Claims use since October 1926.

Reg. No. 314,871. Registered July 10, 1934. NATIONAL BLANK BOOK COMPANY, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

SPARTAN

FOR LOOSE LEAF BINDERS.
Claims use since May 1929.

Reg. No. 315,681. Registered Aug. 7, 1934. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

Heart's Delight

FOR TOILET PAPER AND PAPER NAPKINS.
Claims use since 1894.

Reg. No. 325,515. Registered June 25, 1935. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

JIFFY-SEAL

The word "Seal" is disclaimed apart from the mark as shown.
FOR KITS FOR SEALING GLASSES AND JARS.
Claims use since March 1932.

Reg. No. 364,223. Registered Jan. 24, 1939. ARKWRIGHT FINISHING COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

The trade-mark consists of a single blue line near each longitudinal edge for the tracing cloth.
FOR TRACING CLOTH.
Claims use since Nov. 23, 1921.

Reg. No. 377,332. Registered Apr. 30, 1940. DIETRICH-POST COMPANY, San Francisco, Calif. Republished by Clearprint Paper Company, San Francisco, Calif., a copartnership.

NEGAFILM

FOR BROWN PRINT PAPER.
Claims use since Jan. 1, 1934.

Reg. No. 379,373. Registered July 9, 1940. DIETRICH-POST COMPANY, San Francisco, Calif. Republished by Clearprint Paper Company, San Francisco, Calif., a copartnership.

PIONEER

FOR TRACING PAPER.
Claims use since 1925.

Reg. No. 396,191. Registered June 30, 1942. ARKWRIGHT FINISHING COMPANY, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Prudence

FOR TRACING CLOTH AND PENCIL CLOTH.
Claims use since Feb. 18, 1927.

Reg. No. 409,151. Registered Sept. 19, 1944. COOKS' INC., Camden, N. J., a corporation of New Jersey. Republished by registrant.

VU-DEX

FOR TRANSPARENT PROTECTING ENVELOPES IN BINDER FORM FOR PHOTOGRAPH CARDS, RECORDS, AND SIMILAR ARTICLES.
Claims use since Oct. 12, 1943.

Reg. No. 423,209. Registered Aug. 27, 1946. HALL BROTHERS, INCORPORATED, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

HALLMARK DISPLAY-CONTROL

The words "Display" and "Control" are disclaimed apart from the mark as shown.
FOR BLANK TICKETS TO BE FILLED IN FOR MERCHANDISING SYSTEMS.
Claims use since on or about January 1939.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 163,718. Registered Jan. 23, 1923. A. J. HOLMAN COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

JEWEL

FOR A PARTICULAR EDITION OF THE NEW TESTAMENT AS PRINTED AND BOUND BY REGISTRANT.
Claims use since Feb. 10, 1922.

Reg. No. 192,502. Registered Dec. 9, 1924. WALGREEN Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Luster-tone

FOR PHOTOGRAPHS.
Claims use since on or about Jan. 2, 1924.

Reg. No. 234,528. Registered Nov. 1, 1927. SIGMA NU FRATERNITY, Indianapolis, Ind., an association of Indiana. Republished by registrant.

The DELTA

FOR PERIODICAL PUBLICATION.
Claims use since on or about 1883.

Reg. No. 286,902. Registered Sept. 8, 1931. CENTRAL SURETY AND INSURANCE CORPORATION, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

The Centralizer

FOR HOUSE ORGANS.
Claims use since Sept. 12, 1928.

Reg. No. 380,596. Registered Aug. 27, 1940. HALL BROTHERS, INCORPORATED, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

HALLMARK

FOR GREETING CARDS.
Claims use since on or about Jan. 25, 1925.

Reg. No. 389,869. Registered Aug. 26, 1941. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Republished by registrant.

STYLIZER

FOR COLOR CHART DIRECTORY, PUBLISHED FROM TIME TO TIME.
Claims use since Oct. 4, 1940.

Reg. No. 409,609. Registered Oct. 10, 1944. SOUTHWEST AIRWAYS, INCORPORATED, Phoenix, Ariz. Republished by Southwest Airways Company, Phoenix, Ariz., a corporation of Arizona.

FOR MAGAZINES.
Claims use since March 1941.

Reg. No. 413,187. Registered Apr. 10, 1945. HALL BROTHERS, INCORPORATED, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Rufftex

FOR GREETING CARDS.
Claims use since on or about Oct. 31, 1944.

Reg. No. 419,313. Registered Feb. 12, 1946. EARL G. HADLEY, Pittsburgh, Pa. Republished by registrant.

Speech MASTER

The word "Speech" is disclaimed apart from the mark as shown.
FOR SPEECH FORMULA CHARTS.
Claims use since May 15, 1943.

Reg. No. 420,221. Registered Apr. 2, 1946. MONSEN-CHICAGO, Chicago, Ill. Republished by Monsen-Chicago, Chicago, Ill., a corporation of Illinois.

Trans-Adhesive

The word "Adhesive" is disclaimed apart from the mark as shown.
FOR TRANSPARENT ADHESIVE BACKED PAPER PRINTED TO ORDER AND USED IN CONNECTION WITH ADVERTISING LAYOUTS.
Claims use since May 1948.

CLASS 39

CLOTHING

Reg. No. 90,407. Registered Feb. 25, 1913. ATKIN & HARTMAN INC., New York, N. Y. Republished by William Atkin Co., Inc., New York, N. Y., a corporation of New York.

TOMMY ATKINS

FOR MEN'S AND BOYS' NEGLIGEE AND DRESS SHIRTS, NIGHT-SHIRTS AND PAJAMAS.
Claims use since Oct. 1, 1912.

Reg. No. 98,637. Registered July 28, 1914. PHILIP MICHAEL COHEN, Cheetham, Manchester, England. Republished by Cohen & Wilks, Limited, Cheetham, Manchester, England, a limited liability company of Great Britain.

Aquatite

FOR MEN'S AND WOMEN'S COATS, CAPES, CLOAKS, SPORTING COSTUMES, AND SUITS MADE OF WOOL OR OTHER WOVEN FABRICS TREATED TO WITHSTAND RAIN.
Claims use since January 1908.

Reg. No. 129,355. Registered Feb. 17, 1920. FELDER SHOE MFG. CO., Seattle, Wash. Republished by Bone Dry Shoe Mfg. Co., Tacoma, Wash., a corporation of Washington.

BONE DRY

FOR BOOTS AND SHOES MADE OF LEATHER.
Claims use since Oct. 1, 1917.

Reg. No. 138,483. Registered Dec. 28, 1920. MARSHALL FIELD & COMPANY, Chicago, Ill. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

BURLINGTON

FOR HOSIERY.
Claims use since 1887.

Reg. No. 162,068. Registered Dec. 5, 1922. ENRO SHIRT COMPANY, Louisville, Ky. Republished by The Enro Shirt Company, Louisville, Ky., a corporation of Kentucky.

Enro

FOR DRESS AND OUTER SHIRTS, UNDERSHIRTS, COLLARS, PYJAMAS, AND DRAWERS.
Claims use since Apr. 1, 1921.

Reg. No. 184,294. Registered May 20, 1924. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

FLAKE O' SNOW

FOR DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since April 1, 1921.

Reg. No. 210,352. Registered Mar. 16, 1926. MARLBORO SHIRT COMPANY, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Marlboro

FOR MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since 1890.

Reg. No. 214,199. Registered June 15, 1926. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

SPORTSTER

FOR SPORT SHIRTS.
Claims use since August 1924.

Reg. No. 216,509. Registered Aug. 10, 1926. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

RAINDRI

FOR TOPCOATS AND OVERCOATS FOR MEN, YOUTHS, AND BOYS.
Claims use since 1915.

Reg. No. 226,200. Registered Apr. 5, 1927. HENRY SONNEBORN COMPANY, INC., Baltimore, Md. Republished by Harry Myers and Company, Inc., Baltimore, Md., a corporation of Maryland.

Tudor Hall

FOR MEN'S AND BOYS' SUITS, AND OVERCOATS.
Claims use since Aug. 23, 1926.

Reg. No. 230,969. Registered Aug. 9, 1927. THE JUVENILE MFG. CO., San Antonio, Tex., a corporation of Texas. Republished by registrant.

SANTONE

FOR BOYS' SUITS, BLOUSES, AND PANTS; APRONS, WALKING DRESSES, AND BABY DRESSES, GERTRUDES, AND GOWNS.
Claims use since March 1919.

Reg. No. 254,969. Registered Apr. 2, 1929. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Gadabout

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES.
Claims use since June 20, 1928.

Reg. No. 255,024. Registered Apr. 9, 1929. EINHORN BROTHERS, Philadelphia, Pa. Republished by Einhorn Brothers, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Fleur-dale

FOR CHILDREN'S DRESSES.
Claims use since on or about Oct. 29, 1928.

Reg. No. 267,609. Registered Feb. 25, 1930. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Meshettes

FOR UNDERWEAR OF KNITTED FABRIC FOR WOMEN AND CHILDREN.
Claims use since June 10, 1929.

Reg. No. 272,357. Registered July 8, 1930. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Summerspun

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS AND BOYS.
Claims use since Dec. 23, 1929.

Reg. No. 280,486. Registered Feb. 17, 1931. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Sturdy-test

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since Feb. 10, 1930.

Reg. No. 286,845. Registered Sept. 8, 1931. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Woolywyns

FOR WOMEN'S UNDERWEAR MADE OF KNITTED FABRIC.
Claims use since Apr. 20, 1931.

Reg. No. 287,802. Registered Oct. 13, 1931. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

PAR LONG

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since June 17, 1930.

Reg. No. 290,050. Registered Dec. 22, 1941. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SLENDARE

FOR UNDERWEAR OF KNITTED FABRIC FOR WOMEN AND CHILDREN.
Claims use since July 18, 1931.

Reg. No. 291,775. Registered Feb. 23, 1932. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The Wisp

FOR HOSIERY.
Claims use since July 18, 1931.

Reg. No. 292,996. Registered Apr. 5, 1932. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THE MYTH

FOR HOSIERY.
Claims use since Nov. 16, 1931.

Reg. No. 293,984. Registered May 10, 1932. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"Petticoat Lane"

FOR WOMEN'S LEATHER, FABRIC, AND COMBINATION LEATHER-FABRIC SHOES.
Claims use since Feb. 1, 1931.

Reg. No. 294,100. Registered May 17, 1932. WILLIAM ATKIN CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

SCOTCH GRAIN

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since June 1, 1931.

Reg. No. 297,609. Registered Sept. 20, 1932. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

PETTICOATLANE

FOR LADIES' HOSIERY.
Claims use since on or about Feb. 1, 1932.

Reg. No. 307,822. Registered Nov. 7, 1933. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

HARZ-FLEX.

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since on or about Mar. 1, 1933.

Reg. No. 310,348. Registered Feb. 20, 1934. WILLIAM ATKIN CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

LUCKYCHARM

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since June 28, 1932.

Reg. No. 313,759. Registered June 5, 1934. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland.

Collar-Hug

FOR TOP COATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since 1906.

Reg. No. 315,688. Registered Aug. 7, 1934. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FLEXTOP

FOR HOSIERY.
Claims use since Feb. 2, 1933.

Reg. No. 316,541. Registered Aug. 28, 1934. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Sheerio

FOR WOMEN'S, MISSES', AND CHILDREN'S HOSIERY AND UNDERWEAR.
Claims use since Dec. 15, 1931.

Reg. No. 321,337. Registered Jan. 29, 1935. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

MIRAGE

FOR WOMEN'S HOSIERY AND UNDERWEAR.
Claims use since May 1, 1934.

Reg. No. 324,251. Registered May 14, 1935. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Niceties

FOR WOMEN'S AND MISSES' UNDERWEAR, HOSIERY, AND GLOVES MADE OF FABRIC.
Claims use since June 15, 1934.

Reg. No. 324,269. Registered May 14, 1935. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"Petticoat Lane"

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, RAINCOATS, SUITS, FUR COATS, FUR JACKETS, FUR SCARFS, FUR CAPES, FUR MUFFS, LEATHER GLOVES, FABRIC GLOVES, HATS, COLLARS, COLLAR AND CUFF SETS, SCARFS, NECK WRAPS, PETTICOATS, SLIPS, STEP-INS, TEDDIES, NEGLIGEES, ROBES, BED JACKETS, GOWNS (LINGERIE), PAJAMAS, PANTIES, BRASSIÈRES, CORSETS, GIRDLES, SPORT SWEATERS, SPORT BLOUSES, SPORT SKIRTS, LEATHER JACKETS, RIDING BREECHES, RIDING COATS, RIDING JACKETS, RIDING HABITS, RIDING SHIRTS, RIDING SWEATERS, RIDING BOOTS, AND BATHING SUITS.
Claims use since on or about May 4, 1934.

Reg. No. 329,178. Registered Oct. 22, 1935. COHEN & WILKS, LIMITED, Cheetham, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

WAYFARER

FOR RAINCOATS AND OVERCOATS FOR MEN AND WOMEN.
Claims use since Nov. 1, 1930.

Reg. No. 343,308. Registered Feb. 16, 1937. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

VR-TEENS

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR.
Claims use since Feb. 1, 1936.

Reg. No. 346,944. Registered June 15, 1937. MURRAY M. ROSENBERG, INC., New York, N. Y. Republished by Miles Shoes Incorporated, a corporation of New York.

FOOT KORRECTOR

The words "Foot Korrector" are disclaimed apart from the mark as shown.
FOR SHOES, SLIPPERS, AND BOOTS OF LEATHER, FABRIC, AND COMBINATIONS THEREOF; SPATS AND HEELS; SHOE FINDINGS—NAMELY, INNER AND OUTER SOLES, UPPERS, TONGUES, AND TOE CAPS.
Claims use since June 15, 1928.

Reg. No. 351,191. Registered Oct. 19, 1937. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COUNTRY LIFE

FOR HOSIERY.
Claims use since June 1, 1937.

Reg. No. 351,637. Registered Nov. 2, 1937. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BUNNY-WYNS

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR.
Claims use since May 10, 1937.

Reg. No. 351,638. Registered Nov. 2, 1937. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PETALSKIN

FOR WOMEN'S, MISSES', AND CHILDREN'S UNDERWEAR.
Claims use since June 10, 1937.

Reg. No. 351,826. Registered Nov. 9, 1937. GERSTMAN MANUFACTURING CO., INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

parkanaw by Gerstman

The words "By Gerstman" are disclaimed apart from the mark as shown.
FOR OUTER JACKETS, SKI SUITS, AND SKI PANTS FOR MEN, WOMEN, AND CHILDREN.
Claims use since about May 15, 1937.

Reg. No. 352,000. Registered Nov. 16, 1937. GRACEFORM CORSET CO., INC., New York, N. Y. Republished by Graceform-Camlin Corset Co., Inc., New York, N. Y., a corporation of New York.

L'Attice

FOR GIRDLES, CORSETS, CORSET BRASSIÈRES, AND COMBINATION BRASSIÈRE, CORSET, AND PANTY UNDERGARMENTS.
Claims use since Mar. 31, 1937.

Reg. No. 355,600. Registered Mar. 22, 1938. THE JOSEPH AND FEISS CO., Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Moraire

FOR MEN'S CLOTHING, COMPRISING COATS, VESTS, TROUSERS, SUITS, OVERCOATS, AND TOPCOATS.
Claims use since Sept. 21, 1937.

Reg. No. 356,096. Registered Apr. 12, 1938. VAN RAALTE COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Reindoe

FOR FABRIC GLOVES.
Claims use since Oct. 30, 1937.

Reg. No. 379,072. Registered July 2, 1940. B. B. & R.

Reg. No. 381,982. Registered Oct. 15, 1940. THE JOSEPH

Reg. No. 357,165. Registered May 24, 1938. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

ENRO

SLEEPTOGS

The term "Sleeptogs" is disclaimed apart from the mark as shown.

FOR MEN'S DRESS, NEGLIGEE, AND SPORT SHIRTS, PAJAMAS, AND UNDERWEAR.

Claims use since May 1932.

Reg. No. 357,410. Registered June 7, 1938. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

REGENCE

FOR NECKTIES MADE PRINCIPALLY OF WORSTED, SOME HAVING SILK OR RAYON DECORATIONS.

Claims use since July 30, 1935.

Reg. No. 361,626. Registered Oct. 25, 1938. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

ENRO

SLEEPTOGS

Comfo-Ty

The terms "Sleeptogs" and "Ty" are disclaimed apart from the mark as shown.

FOR MEN'S DRESS AND NEGLIGEE SHIRTS, SPORT SHIRTS, PAJAMAS, AND UNDERWEAR.

Claims use since April 1937.

Reg. No. 363,657. Registered Jan. 3, 1939. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Survivo

FOR MEN'S NEGLIGEE AND DRESS SHIRTS, PAJAMAS, AND COLLARS.

Claims use since Jan. 6, 1938.

Reg. No. 365,560. Registered Mar. 14, 1939. BORIS CARSON, Philadelphia, Pa. Republished by registrant.

All the wording appearing on the drawing and the representation of the outline of the label are disclaimed apart from the mark as shown.

FOR WOMEN'S HOSE.

Claims use since Mar. 15, 1938.

Reg. No. 367,846. Registered May 30, 1939. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Lo-Ban

FOR MEN'S NEGLIGEE, DRESS, AND SPORT SHIRTS, AND PAJAMAS.

Claims use since Nov. 1, 1938.

Reg. No. 370,963. Registered Sept. 12, 1939. HARSFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

LESTERFIELD

FOR WOMEN'S, AND MISSES' SUITS, COATS, SWEATERS, SKIRTS, AND JACKETS.

Claims use since on or about Mar. 25, 1939.

Reg. No. 374,459. Registered Jan. 9, 1940. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Val-O-Spun

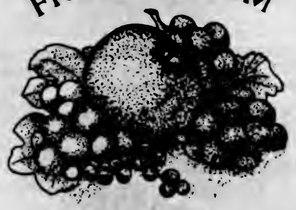
The word "Spun" is disclaimed apart from the mark as shown.

FOR MEN'S DRESS AND NEGLIGEE SHIRTS, PAJAMAS, AND SPORT SHIRTS.

Claims use since January 1938.

Reg. No. 379,072. Registered July 2, 1940. B. B. & K. KNIGHT CORPORATION, Providence, R. I., assignor to Fruit of the Loom, Inc. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FRUIT OF THE LOOM



FOR MEN'S, WOMEN'S, AND CHILDREN'S TEXTILE UNDERWEAR; CORSETS; NIGHTSHIRTS AND PYJAMAS FOR MEN, WOMEN, BOYS, AND GIRLS; CHILDREN'S, SLEEPERS, INFANTS' BONNETS AND COATS, BATHROBES, LOUNGING ROBES, BEACH ROBES, RAINCOATS, PLAY SUITS, NECKTIES, SCARFS, HANDKERCHIEFS, MEN'S AND BOY'S DRESS AND NEGLIGEE SHIRTS, MEN'S AND BOY'S OUTER AND UNDER SHORTS, BOY'S BLOUSES, TROUSERS, AND SUITS, DRESSES, WOMEN'S BLOUSES, WOMEN'S SLIPS, NURSES' AND MAIDS' UNIFORMS AND CAPS, BRASSIÈRES, NEGLIGEES, SMOCKS, COVERALL HOUSEDRESSES, APRONS AND KITCHENETTE APRONS, WHICH ARE OF PLAIN OR WATER-PROOF FABRIC.

Claims use since Nov. 25, 1891.

Reg. No. 379,910. Registered July 30, 1940. PROGRESSIVE CLOTHING MANUFACTURING COMPANY, Philadelphia, Pa., a firm. Republished by registrant.

TWEEDSTER

FOR MEN'S AND YOUNG MEN'S OVERCOATS AND TOP COATS.

Claims use since Dec. 15, 1939.

Reg. No. 381,295. Registered Sept. 17, 1940. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

The Idler by Enro SPORTSTER

FOR SPORT SHIRTS, OUTER SHIRTS, AND PAJAMAS.

Claims use since Dec. 6, 1938.

Reg. No. 381,962. Registered Oct. 15, 1940. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

AQUANON

FOR TOPCOATS AND OVERCOATS FOR MEN, YOUNG MEN, AND YOUTHS.

Claims use since Mar. 1, 1940.

Reg. No. 382,023. Registered Oct. 15, 1940. GAM SPECIALTY SHOPS, INC., Chicago, Ill. Republished by Edward Joseph, Chicago, Ill.

Durabell Hosiery

The word "Hosiery" is disclaimed apart from the mark as shown.

FOR HOSIERY.

Claims use since July 1, 1936.

Reg. No. 385,933. Registered Mar. 25, 1941. WILLIAM ATKIN CO., Inc., New York, N. Y. Republished by registrant.

GREAT SCOT

by BOND STREET

FOR MEN'S AND BOYS' SPORT SHIRTS, NEGLIGEE SHIRTS, SLACKS, AND PAJAMAS.

Claims use since Oct. 15, 1939.

Reg. No. 390,555. Registered Sept. 30, 1941. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

The IDLE HOUR by Enro Sportster

FOR SPORT SHIRTS AND PAJAMAS.

Claims use since Nov. 29, 1938.

Reg. No. 392,484. Registered Dec. 30, 1941. COHEN & WILKS, LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

GALABANK

FOR MEN'S AND WOMEN'S COATS, CAPES, CLOAKS, SPORTS SUITS, AND SUITS MADE OF WOOL AND OTHER WOVEN FABRICS.

Claims use since Nov. 17, 1921.

Reg. No. 398,476. Registered Feb. 24, 1942. STERN

Reg. No. 428,068. Registered Mar. 11, 1947. THE KAI-

CLASS 41

Reg. No. 200,606. Registered July 7, 1925. BOTANY

Reg. No. 393,676. Registered Feb. 24, 1942. STERN-SLEGMAN PRINT COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Inside Story

FOR WOMEN'S AND GIRLS' COATS.
Claims use since Spring of 1933.

Reg. No. 404,249. Registered Nov. 16, 1943. FRUIT OF THE LOOM, INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

FIGURIZED

FOR WOMEN'S SLIPS OF PLAIN MATERIALS.
Claims use since Aug. 17, 1940.

Reg. No. 410,080. Registered Nov. 7, 1944. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

ENdanTRO

FOR MEN'S OUTER SHIRTS, PAJAMAS, AND SPORTS SHIRTS.
Claims use since Apr. 7, 1944.

Reg. No. 414,411. Registered June 12, 1945. HARZFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"K 50"

The numeral "50" is disclaimed apart from the mark as shown.
FOR WOMEN'S, MISSES', AND GIRLS' SUITS, SHORTS, SWEATERS, AND PLAY SUITS, COMBINATION SLACK SUITS, SKIRTS, SHIRTS, JACKETS, AND SLACKS.
Claims use since on or about Mar. 31, 1942.

Reg. No. 422,351. Registered July 16, 1946. DAVID LEVITCH, doing business as Briny Marlin Coat & Suit Co., Kansas City, Mo. Republished by Briny Marlin, Inc., Kansas City, Mo., a corporation of Missouri.

Briny Marlin

FOR LADIES' COATS AND SUITS.
Claims use since July 13, 1945.

Reg. No. 428,068. Registered Mar. 11, 1947. THE KAYNEE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SANVARAY

FOR BLOUSES, SHIRTS, AND SPORTS SHIRTS FOR BOYS AND GIRLS.
Claims use since on or about May 16, 1945.

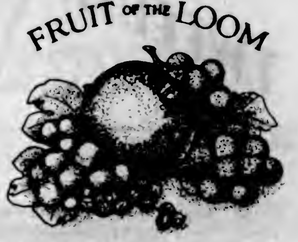
Reg. No. 429,857. Registered May 20, 1947. ROMBRO BROTHERS INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

The drawing is lined for the colors red and blue.
FOR WORK PANTS, JACKETS, DUNGAREES, COVERALLS, WORK UNIFORMS, AND WORK SHIRTS.
Claims use since Nov. 1, 1939.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 379,071. Registered July 2, 1940. B. B. & R. KNIGHT CORPORATION, Providence, R. I., assignor to Fruit of the Loom, Inc. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.



FOR BIAS TAPE.
Claims use since 1921.

Reg. No. 410,049. Registered Nov. 7, 1944. JAMES NELSON LIMITED, Bradford, England, a corporation of England. Republished by registrant.

Nelvo

FOR BINDINGS, BRAIDS, GALLOONS, TAPE, TRIMMINGS, AND BOOT AND CORSET LACES.
Claims use since Apr. 9, 1919.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Reg. No. 162,503. Registered Dec. 19, 1922. S. W. EVANS & SON, Philadelphia, Pa. Republished by S. W. Evans & Son, Philadelphia, Pa., a corporation of Pennsylvania.

The representation of the plate is disclaimed apart from the mark as shown.
FOR UMBRELLA AND PARASOL FRAMES.
Claims use since Apr. 10, 1922.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 163,378. Registered Jan. 9, 1923. NEW YORK MILLS CORPORATION, New York Mills, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

OCTAVE CHENILLE

The word "Chenille" is disclaimed apart from the mark as shown.
FOR COTTON PIECE GOODS.
Claims use since Apr. 17, 1922.

Reg. No. 183,594. Registered May 6, 1924. ATLANTIC MILLS, Providence, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Twilleen

FOR WOOLEN, COTTON AND WOOLEN, AND COTTON PIECE GOODS.
Claims use since June 1923.

Reg. No. 184,786. Registered June 3, 1924. ATLANTIC MILLS, Providence, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilleen

FOR WOOLEN, COTTON AND WOOLEN, AND COTTON PIECE GOODS.
Claims use since July 1923.

Reg. No. 191,130. Registered Nov. 4, 1924. H. W. BAKER LINEN CO., New York, N. Y., a corporation of New York. Republished by registrant.

DRY-TEX

FOR TURKISH TOWELS.
Claims use since May 21, 1924.

Reg. No. 200,606. Registered July 7, 1925. BOTANY WORSTED MILLS, Passaic, N. J. Republished by Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.

VELVEDEAU

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 207,411. Registered Dec. 29, 1925. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilpoint

FOR ALL-WORSTED DRESS FABRICS.
Claims use since June 24, 1925.

Reg. No. 216,606. Registered Aug. 17, 1926. NEW YORK MILLS CORPORATION, New York, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

"Royal Cord Fabrics"

The words "Cord Fabrics" are disclaimed apart from the mark as shown.
FOR PLAIN AND FANCY CORDUROYS.
Claims use since May 15, 1925.

Reg. No. 220,470. Registered Nov. 9, 1926. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilana

FOR WOOLEN PIECE GOODS.
Claims use since about Dec. 15, 1925.

Reg. No. 232,861. Registered Sept. 20, 1927. DETMER, BRUNER & MASON, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Yorkgate

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since May 16, 1927.

Reg. No. 234,910. Registered Nov. 8, 1927. H. W. BAKER LINEN CO., New York, N. Y., a corporation of New York. Republished by registrant.

FOR NAPKINS, TABLE TOPS, TABLECLOTHS, TRAY COVERS, BUREAU SCARFS, ALL OF LINEN.
Claims use since 1916.

Reg. No. 236,116. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcrest

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,117. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcord

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,118. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcheck

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,119. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilstripe

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,120. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilplaid

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,121. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilfleck

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,122. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilmix

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,123. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilbar

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,124. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilmesh

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,125. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcheck

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,126. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcrepe

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,127. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcrepe

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 236,128. Registered Dec. 27, 1927. THE ATLANTIC MILLS, Olneyville, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Juilcrepe

FOR WOOLEN PIECE GOODS.
Claims use since Apr. 1, 1924.

Reg. No. 235,311. Registered Nov. 15, 1927. DAVISON-PAXON COMPANY, Atlanta, Ga., a corporation of Georgia. Republished by registrant.

PEACHTREE

FOR TEXTILE BLANKETS.
Claims use since June 7, 1927.

Reg. No. 270,695. Registered May 13, 1930. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

HEATHEROY

FOR PRINTED CORDUROYS IN THE PIECE.
Claims use since Jan. 22, 1930.

Reg. No. 274,857. Registered Sept. 9, 1930. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

MASTER FABRICS

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR WOOLEN AND WORSTED FABRICS FOR COATS AND DRESSES FOR WOMEN'S WEAR.
Claims use since about May 1928.

Reg. No. 284,095. Registered June 16, 1931. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

JULIETTE

FOR VELVETEEN TEXTILE FABRICS IN THE PIECE.
Claims use since May 21, 1929.

Reg. No. 293,789. Registered May 3, 1932. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

ZEPHYROY

FOR CORDUROYS IN THE PIECE.
Claims use since about Nov. 9, 1931.

Reg. No. 331,650. Registered Jan. 14, 1936. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

River-shrunk

The word "Shrunk" is disclaimed apart from the mark as shown.
FOR COTTON CHAMBRAYS, COTTON SHIRTINGS, COTTON BROADCLOTH, COTTON COVERTS, COTTON GINGHAMS, COTTON SUITINGS, COTTON DRESS GOODS, AND PANTINGS MADE OF COTTON.
Claims use since October 1932.

Reg. No. 345,949. Registered May 11, 1937. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

FEATHEROY

FOR CORDUROYS IN THE PIECE.
Claims use since Apr. 17, 1934.

Reg. No. 366,852. Registered May 2, 1939. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

PRIDE OF AMERICA

The word "America" is disclaimed apart from the mark as shown.
FOR ZEPHYR GINGHAM, SHEETING, SHEETS, PILLOW CASES, AND COTTON SHIRTINGS.
Claims use since June 3, 1914.

Reg. No. 368,107. Registered June 6, 1939. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

RIVERSHACK

FOR COTTON PIECE GOODS FOR SUITINGS.
Claims use since Sept. 20, 1938.

Reg. No. 368,496. Registered June 20, 1939. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

Rivercool

FOR PIECE GOODS MADE OF ALL SPUN RAYON AND THE COMBINATION OF SPUN RAYON AND COTTON.
Claims use since Apr. 1, 1938.

Reg. No. 372,253. Registered Oct. 24, 1939. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

RIVERCREST

FOR PIECE GOODS MADE OF COTTON OR RAYON AND WOOL OR A COMBINATION OF COTTON, RAYON AND WOOL.
Claims use since May 2, 1939.

Reg. No. 373,819. Registered Dec. 26, 1939. AMERICAN-LONDON SHRINKERS CORP., New York, N. Y., a corporation of New York. Republished by registrant.

THIS FABRIC
HAS BEEN
PERMATEX
PROCESSED
GUARANTEED
SPONGED & SHRUNK

All the words except "Permatex" are disclaimed apart from the mark as shown.
FOR TEXTILE FABRICS IN THE PIECE OF COTTON, WOOL AND THE LIKE.
Claims use since June 1923.

Reg. No. 379,073. Registered July 2, 1940. B. B. & R. KNIGHT CORPORATION, Providence, R. I., assignor to Fruit of the Loom, Inc. Republished by Fruit of the Loom, Inc., Providence, R. I., a corporation of Rhode Island.

FRUIT OF THE LOOM

FOR COTTON AND RAYON TEXTILE PIECE GOODS, SHEETS AND PILLOW CASES, SPREADS, QUILTS, COMFORTERS, QUILTED PADS, MATTRESS COVERS, BLANKET AND COMFORTABLE COVERS; MATTRESS PROTECTORS AND PADS, EITHER QUILTED OR PLAIN; HAND IRONING BOARD COVERS IN THE PIECE, ROBES TO SPREAD ON BEACH OR GROUND, BATH MATS, CURTAINS AND DRAPERIES, SEAT COVERS, LID COVERS, KITCHEN ENSEMBLES COMPRISING UTENSIL COVERS FOR KITCHEN USE, CHAIR PADS, AND SHELVING CLOTH.
Claims use since Nov. 25, 1891.

Reg. No. 385,876. Registered Mar. 18, 1941. RIVERSIDE & DAN RIVER COTTON MILLS, Inc., Danville, Va., and New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

RIVERBREEZE

FOR PIECE GOODS OF COTTON, RAYON, AND MIXTURES THEREOF.
Claims use since Sept. 17, 1940.

Reg. No. 392,594. Registered Jan. 6, 1942. COHEN & WILKS, LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

The words "Tweed" and "Loomed in Scotland" are disclaimed apart from the mark as shown.
FOR WOOLLEN PIECE GOODS.
Claims use since May 16, 1940.

Reg. No. 393,867. Registered Mar. 10, 1942. COHEN & WILKS, LIMITED, Manchester, England, a limited liability company of Great Britain. Republished by registrant.

Galabank

FOR CLOTHS AND STUFFS OF WOOL, WORSTED OR HAIR.
Claims use since Nov. 17, 1921.

Reg. No. 398,971. Registered Dec. 8, 1942. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

CORDSPUN

FOR PIECE GOODS OF COTTON.
Claims use since Aug. 1, 1941.

Reg. No. 399,672. Registered Jan. 26, 1943. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

STARSPUN

FOR PIECE GOODS OF COTTON GINGHAM.
Claims use since Aug. 1, 1941.

Reg. No. 399,718. Registered Jan. 26, 1943. THE WOOLEN CORPORATION OF AMERICA, New York, N. Y., a corporation of New York. Republished by registrant.

The word "Fabrics" is disclaimed apart from the mark as shown.

FOR WOOLEN, WORSTED, AND COTTON PIECE GOODS.

Claims use since Apr. 25, 1927.

Reg. No. 400,608. Registered Mar. 23, 1943. HEGO FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

"PARATWILL"

FOR PIECE GOODS MADE OF MIXTURES OF RAYON AND COTTON.

Claims use since April 1942.

Reg. No. 401,877. Registered June 15, 1943. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

SKYTOP

FOR PIECE GOODS OF COTTON.

Claims use since July 1, 1939.

Reg. No. 402,819. Registered Aug. 17, 1943. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., and New York, N. Y. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

FOR FABRICS OF COTTON, RAYON, WOOL AND SILK, AS WELL AS COMBINATIONS THEREOF.

Claims use since Mar. 10, 1942.

Reg. No. 407,813. Registered June 27, 1944. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DAN RIVER

FOR COTTON PLAIDS AND CHECKS IN THE PIECE OR IN CUT LENGTHS; COTTON SHEETINGS, SHEETS, PILLOW CASES, AND BOLSTER CASES; PIECE GOODS OF COTTON AND MIXTURES OF RAYON AND COTTON USED AS SUITING OR TROUSERING MATERIALS.

Claims use since at least 1892.

Reg. No. 407,814. Registered June 27, 1944. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

Dan River's

Warren

The word "Warren" is disclaimed apart from the mark as shown.

FOR SHEETING, SHEETS, AND PILLOWCASES.

Claims use since Jan. 13, 1944.

Reg. No. 419,238. Registered Feb. 5, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DANMASTER

FOR PIECE GOODS OF COTTON.

Claims use since July 30, 1945.

Reg. No. 420,302. Registered Apr. 2, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DANSPORT

FOR PIECE GOODS OF COTTON.

Claims use since Sept. 17, 1945.

Reg. No. 420,303. Registered Apr. 2, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DANTWILL

FOR PIECE GOODS OF COTTON.

Claims use since Sept. 17, 1945.

Reg. No. 421,607. Registered June 4, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

PAVILION

FOR PIECE GOODS OF RAYON.

Claims use since Oct. 5, 1945.

Reg. No. 422,634. Registered Aug. 6, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

Bob White

FOR SHEETS, SHEETING, AND PILLOWCASES.

Claims use since Jan. 9, 1945.

Reg. No. 422,635. Registered Aug. 6, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

Debutante

FOR SHEETS, SHEETING, AND PILLOWCASES.

Claims use since Jan. 9, 1945.

Reg. No. 422,637. Registered Aug. 6, 1946. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

Integrity

FOR SHEETS, SHEETING, AND PILLOWCASES.

Claims use since Jan. 9, 1945.

Reg. No. 427,091. Registered Jan. 28, 1947. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DANTONE

FOR COTTON PIECE GOODS.

Claims use since Oct. 17, 1945.

Reg. No. 428,517. Registered Mar. 25, 1947. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DANCRAFT

FOR SHEETS, SHEETING, AND PILLOWCASES.

Claims use since Mar. 28, 1946.

Reg. No. 430,327. Registered June 10, 1947. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name to Dan River Mills, Incorporated. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

SOVEREIGN

FOR OXFORD SHIRTING FABRICS OF COTTON.

Claims use since May 10, 1946.

CLASS 43

THREAD AND YARN

Reg. No. 418,360. Registered Dec. 18, 1945. R. WOLFENDEN & SONS, Attleboro, Mass., a firm. Republished by registrant.

WOLFENDEN

FOR YARN.

Claims use since 1868.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 224,643. Registered Mar. 1, 1927. C. J. BATES & SON, Chester, Conn., a firm. Republished by registrant.

Queen

FOR MANICURE SETS, NAIL FILES, NAIL BUFFERS, ORANGE WOOD STICKS, TWEEZERS, SCISSORS, NIPPERS, CORN KNIVES, CUTICLE KNIVES, MANICURE HANDLE PIECES, AND NAIL CLIPS.

Claims use since Jan. 1, 1925.

Reg. No. 322,438. Registered Mar. 5, 1935. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

NU-VEL

FOR SANITARY NAPKINS.

Claims use since June 6, 1932.

Reg. No. 423,640. Registered Sept. 3, 1946. AMERICAN MEDICAL GLASS COMPANY, Washington, D. C., a firm. Republished by registrant.

PETROGLAS

FOR SURGICAL DRESSING OF IMPREGNATED GLASS GAUZE.

Claims use since Mar. 2, 1946.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 109,858. Registered Mar. 18, 1916. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR NON-ALCOHOLIC BEVERAGES—VIZ., SOFT DRINKS—AND FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING THE SAME.
Claims use since Sept. 1, 1915.

Reg. No. 317,712. Registered Oct. 2, 1934. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

HEART'S DELIGHT

FOR BEVERAGES SOLD AS SOFT DRINKS, SUCH AS GINGER ALE, GRAPE JUICE, LIME RICKEY, LIME AND LITHIA, ROOT BEER, SARSAPARILLA, LEMON SODA, AND EXTRACTS AND POWDERS FOR MAKING SOFT DRINKS.
Claims use since 1894.

Reg. No. 373,070. Registered Nov. 21, 1939. THE JULEP COMPANY, Chicago, Ill., a corporation of Texas. Republished by registrant.

FOR NON-ALCOHOLIC MALTLESS BEVERAGES, SODA FOUNTAIN SYRUPS, BOTTLERS' FLAVORS AND CONCENTRATES.
Claims use since May 4, 1931.

Reg. No. 381,897. Registered Oct. 15, 1940. MISSION DRY CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

ROYAL PUNCH

The word "Punch" is disclaimed apart from the mark as shown.
FOR NONALCOHOLIC MALTLESS BEVERAGE USED AS A SOFT DRINK AND BASES AND CONCENTRATES FOR PREPARING THE SAME.
Claims use since Dec. 16, 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 65,644. Registered Oct. 15, 1907. WORCESTER SALT COMPANY, Silver Springs and New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

FOR TABLE SALT.
Claims use since Feb. 15, 1889.

Reg. No. 82,751. Registered July 25, 1911. BIG STONE CANNING COMPANY, Big Stone, S. Dak. Republished by Big Stone Canning Co., Ortonville, Minn., a corporation of Delaware.

Bantam

FOR CANNED VEGETABLES.
Claims use since Jan. 3, 1910.

Reg. No. 84,023. Registered Oct. 31, 1911. MOUNTAIN VIEW ORANGE AND LEMON GROWERS ASSOCIATION, Upland, Calif. Republished by Mountain View Fruit Association, Upland, Calif., a corporation of California.

FOR ORANGES AND LEMONS.
Claims use since Jan. 10, 1910.

Reg. No. 100,843. Registered Oct. 27, 1914. OTTO L. KUEHN CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Pride of
Norway

FOR CANNED SARDINES.
Claims use since Mar. 9, 1914.

Reg. No. 100,847. Registered Oct. 27, 1914. OTTO L. KUEHN CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

KAYAK

FOR CANNED SARDINES.
Claims use since Mar. 9, 1914.

Reg. No. 103,384. Registered Mar. 30, 1915. JOHN HAMM BAKING COMPANY, St. Louis, Mo. Republished by Yur-Favorite Cake Co., St. Louis, Mo., a corporation of Missouri.

YUR-FAVORIT
CAKE

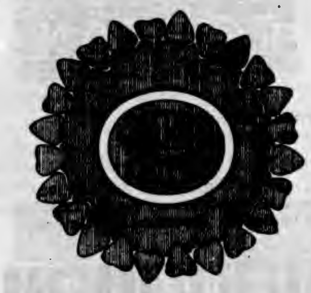
The words "cake" and "trade-mark" are disclaimed apart from the mark as shown.
FOR CAKES.
Claims use since Apr. 1, 1913.

Reg. No. 112,069. Registered Aug. 22, 1916. SAN DIMAS ORANGE GROWERS ASSOCIATION, San Dimas, Calif., a corporation of California. Republished by registrant.

PET

FOR ORANGES.
Claims use since January 1915.

Reg. No. 142,656. Registered May 17, 1921. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.



The drawing is lined for red.
FOR CANDY.
Claims use since June 1920.

Reg. No. 146,788. Registered Sept. 20, 1921. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

FRU-NUT

FOR CANDY.
Claims use since 1910.

Reg. No. 151,647. Registered Feb. 7, 1922. WORCESTER SALT CO., Silver Springs and New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

WORCESTER

FOR SALT.
Claims use since Feb. 15, 1889.

Reg. No. 153,139. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,140. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,141. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,142. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,143. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,144. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,145. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,146. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 153,147. Registered May 16, 1922. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company, (1930), Cleveland, Ohio, a corporation of Ohio.

CLEVELAND BRAND
Goldenmoon
FRUITS & SIRUPS

The words "Cleveland Brand Fruits & Sirups" are disclaimed apart from the mark as shown.
FOR FRUIT SYRUPS, JUICES, AND FLAVORINGS USED IN MAKING NON-ALCOHOLIC BEVERAGES.
Claims use since Sept. 1, 1915.

Reg. No. 157,170. Registered July 25, 1922. PANGBURN COMPANY, INC., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

PANGBURN'S

FOR CANDIES AND ICE CREAM.
Claims use since 1915.

Reg. No. 167,704. Registered May 8, 1923. CORONA FOOTHILL LEMON COMPANY, Corona, Calif., a corporation of California. Republished by registrant.

TARTAN

FOR FRESH LEMONS.
Claims use since December 1920.

Reg. No. 167,709. Registered May 8, 1923. CORONA FOOTHILL LEMON COMPANY, Corona, Calif., a corporation of California. Republished by registrant.

KILTIE

FOR FRESH LEMONS.
Claims use since December 1920.

Reg. No. 174,624. Registered Oct. 23, 1923. COLFAX FRUIT GROWERS ASSOCIATION, Colfax, Calif., a corporation of California. Republished by registrant.

Sun Smile

FOR FRESH DECIDUOUS FRUITS.
Claims use since 1921.

Reg. No. 183,716. Registered May 6, 1924. ATLANTIC SYRUP REFINING CO., Philadelphia, Pa. Republished by Atlantic Syrup Refining Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

SWEET MARIE

FOR TABLE SIRUP.
Claims use since Dec. 10, 1923.

Reg. No. 183,968. Registered May 13, 1924. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Chivalry

FOR CANDY.
Claims use since November 1923.

Reg. No. 189,220. Registered Sept. 16, 1924. ORANGE-THORPE CITRUS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

CELEBRATION

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1924.

Reg. No. 189,846. Registered Sept. 30, 1924. ORANGE-THORPE CITRUS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

THANKSGIVING

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1924.

Reg. No. 190,741. Registered Oct. 21, 1924. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio, a corporation of Ohio.

HONEYMOON SPECIAL

FOR PRESERVED FRUIT MIXTURE USED AS A FOOD FLAVORING AND AS A SUNDAE DRESSING.
Claims use since about May 28, 1923.

Reg. No. 193,759. Registered Jan. 6, 1925. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Southern Queen

FOR CANDY.
Claims use since 1916.

Reg. No. 197,952. Registered Apr. 28, 1925. KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill. Republished by Minnesota Valley Canning Company, Le Sueur, Minn., a corporation of Minnesota.

BELVA-DEAR

FOR CANNED PEAS AND CORN.
Claims use since on or about Apr. 1, 1913.

Reg. No. 199,345. Registered June 9, 1925. RODNEY MILLING COMPANY, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

THE HEART OF AMERICA

FOR WHEAT FLOUR.
Claims use since Mar. 1, 1924.

Reg. No. 199,619. Registered June 16, 1925. KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill. Republished by Minnesota Valley Canning Company, Le Sueur, Minn., a corporation of Minnesota.

Hy klass

FOR CANNED PEAS AND CORN.
Claims use since on or about Apr. 1, 1913.

Reg. No. 200,972. Registered July 14, 1925. ALASKA SALMON COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company, Seattle, Wash., a corporation of California.

ROCKY FORD

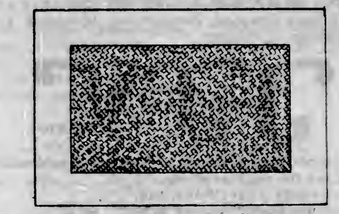
FOR CANNED SALMON.
Claims use since about 1901.

Reg. No. 201,022. Registered July 14, 1925. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Republished by Universal Match Corporation, St. Louis, Mo., a corporation of Delaware.

BIT-O-HONEY

FOR CANDY.
Claims use since October 1924.

Reg. No. 204,790. Registered Oct. 27, 1925. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Republished by Universal Match Corporation, St. Louis, Mo., a corporation of Delaware.



The drawing is lined for the color orange.
FOR CANDY.
Claims use since Oct. 30, 1923.

Reg. No. 206,598. Registered Dec. 8, 1925. HANOVER CANNING COMPANY, Hanover, Pa., a corporation of Pennsylvania. Republished by registrant.

The word "Hanover" is disclaimed apart from the mark as shown. The drawing is lined for red, light blue, black, and gold.
FOR CANNED VEGETABLES.
Claims use since Jan. 1, 1925.

Reg. No. 207,978. Registered Jan. 12, 1926. ALASKA SALMON COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company, Seattle, Wash., a corporation of California.

MARINERS FLAG

FOR CANNED SALMON.
Claims use since about 1901.

Reg. No. 210,172. Registered Mar. 9, 1926. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

HEART'S DELIGHT

FOR COFFEE.
Claims use since 1894.

Reg. No. 220,142. Registered Nov. 2, 1926. SOUTHERN BISCUIT WORKS, Richmond, Va. Republished by Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia.

Famous Food of Virginia

The words "Famous Food of Virginia" are disclaimed apart from the mark as shown.
FOR CAKES AND CRACKERS.
Claims use since November 1925.

Reg. No. 225,896. Registered Mar. 29, 1927. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio. Republished by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio, a corporation of Ohio.

CFJ

FOR PRESERVED FRUITS, FLAVORINGS, AND COMBINATIONS OF NUTS, FLAVORINGS, AND SUCH FRUITS FOR USE WITH ICE CREAM.
Claims use since about September 1926.

Reg. No. 226,096. Registered Mar. 29, 1927. ALEXANDER MARKETING COMPANY, San Benito, Tex., a corporation of Texas. Republished by registrant.

The surname "Alexander's" is disclaimed apart from the other features of the mark.
FOR FRESH VEGETABLES—NAMELY, TOMATOES, LETTUCE, POTATOES, CAULIFLOWER, CELERY, BEETS, FRESH DECIDUOUS FRUITS — NAMELY, PEACHES, APPLES, PEARS, PLUMS, APRICOTS, CHERRIES; FRESH CITRUS FRUITS — NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since May 7, 1926.

Reg. No. 226,417. Registered Apr. 5, 1927. GALLATIN VALLEY MILLING COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

FRUIT

FOR WHEAT FLOUR.
Claims use since Nov. 10, 1915.

Reg. No. 231,268. Registered Aug. 16, 1927. CAPSALIS BROTHERS, New York, N. Y. Republished by C. Pappas Company Inc., Boston, Mass., a corporation of Massachusetts.

The words "Quality," "Purity," "Value," are disclaimed apart from the mark as shown.
FOR OLIVE OIL.
Claims use since December 1923.

Reg. No. 232,876. Registered Sept. 20, 1927. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

ES·BE·CO

FOR CANNED VEGETABLES, TEA, AND COFFEE.
Claims use since November 1926.

Reg. No. 239,096. Registered Feb. 21, 1928. THE TRITON CO., Seattle, Wash. Republished by Valley Evaporating Company, Yakima, Wash., a corporation of Washington.

TRITON

FOR FRESH APPLES.
Claims use since July 22, 1927.

Reg. No. 241,059. Registered Apr. 17, 1928. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

Heart's Delight

FOR OLIVES, SALAD DRESSING, RICE, ROLLED OATS, CORNSTARCH, MACARONI, SPAGHETTI, NOODLES, BUCKWHEAT FLOUR, PASTRY FLOUR, GRAHAM FLOUR, PANCAKE FLOUR; TABLE MEAL—NAMELY, CORN MEAL; CATSUP, TEA, AND COFFEE.
Claims use since 1894.

Reg. No. 241,844. Registered May 8, 1928. HASKELL, ADAMS COMPANY, Boston, Mass., assignor to Rival Foods, Inc., Cambridge, Mass. Republished by Rival Foods, Inc., Cambridge, Mass., a corporation of Massachusetts.

Rival

FOR TEA, COFFEE, MARSHMALLOWS, RICE, MINCEMEAT, ROLLED OATS, ALIMENTARY PASTES, PICKLES PEANUT BUTTER, CATSUP, BOTTLED OLIVES, MAYONNAISE DRESSING, CHILI SAUCE, CIDER VINEGAR, FRUIT JAMS, SYRUPS FOR FLAVORING FOODS, CANNED SHELLFISH, CANNED PORK AND BEANS, CANNED FRUIT SALAD, CANNED PRUNES, CANNED FRESH FIGS, CANNED SAUERKRAUT, CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, CANNED GRAPEFRUIT, DATES, SPICES, MOLASSES, DRIED BONELESS CODFISH, CEREAL BREAKFAST FOODS, CANNED FISH EXCEPT SALMON.
Claims use since 1875.

Reg. No. 242,469. Registered May 22, 1928. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

DE GRAN FUERZA

The words "Incomparable," "Patente," "Extra," "McKinney," "Texas," "De Gran Fuerza," are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 1, 1926.

Reg. No. 248,294. Registered Oct. 16, 1928. MOUNTAIN VIEW FRUIT ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

BISON

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 10, 1927.

Reg. No. 253,080. Registered Feb. 19, 1929. MAROTTA & CELLA, New York, N. Y., a firm. Republished by registrant, present address Brooklyn, N. Y.

KING AND QUEEN

FOR OLIVE OIL, CANNED TOMATOES, CANNED PEAS, CANNED TOMATO PASTE, RICE, MACARONI, AND SARDINES.
Claims use since Jan. 29, 1923.

Reg. No. 259,065. Registered July 23, 1929. ESCONDIDO CO-OPERATIVE CITRUS ASSOCIATION, Escondido, Calif., a corporation of California. Republished by registrant.

SUNNY GLEN

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 28, 1929.

Reg. No. 259,110. Registered July 23, 1929. ANAHEIM CITRUS FRUIT ASSOCIATION, Anaheim, Calif., a corporation of California. Republished by registrant.

Anaheim Supreme

FOR FRESH CITRUS FRUITS.
Claims use since February 1914.

Reg. No. 312,789. Registered May 8, 1934. VINCENNES

Reg. No. 263,872. Registered Nov. 12, 1929. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

JUST HITS THE SPOT

FOR CANNED FRUITS AND VEGETABLES, AND COFFEE.
Claims use since Jan. 1, 1926.

Reg. No. 265,374. Registered Dec. 24, 1929. EDWARD V. STOCKHAM, INC., Havre de Grace, Md., a corporation of Maryland. Republished by registrant.

AMERICAN BEAUTIES

FOR TOMATO CATSUP, CANNED TOMATO CONCENTRATE, CANNED PORK AND BEANS, AND CANNED VEGETABLES.
Claims use since August 1897.

Reg. No. 286,252. Registered Aug. 25, 1931. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

WORCESTER
It takes the Best to make the Best

The words "It Takes the Best to Make the Best" are disclaimed apart from the mark as shown.
FOR SALT.
Claims use since Nov. 1, 1929.

Reg. No. 286,253. Registered Aug. 25, 1931. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

WORCESTER

IT PAYS THE BEST TO SELL THE BEST

The words "It Pays the Best to Sell the Best" are disclaimed apart from the mark as shown.
FOR SALT.
Claims use since Nov. 1, 1929.

Reg. No. 289,934. Registered Dec. 15, 1931. WORCESTER SALT CO., New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

The representation of the carton per se, the words "Salt" and "It Takes the Best to Make the Best," are disclaimed apart from the mark as shown. The drawing is lined for yellow.
FOR SALT.
Claims use since Jan. 17, 1931.

Reg. No. 301,657. Registered Mar. 7, 1933. VINCENNES PACKING CORPORATION, Vincennes, Ind., a corporation of Indiana. Republished by registrant.

VINCO

FOR CANNED OR BOTTLED TOMATO JUICE, TOMATO JUICE COCKTAIL, TOMATO CATSUP, PORK AND BEANS, RED BEANS, TOMATO PUREE, HOMINY, SAUERKRAUT, PUMPKIN, GREEN BEANS, KIDNEY BEANS, TOMATOES, AND SOUPS.
Claims use since Sept. 1, 1930.

Reg. No. 303,903. Registered June 13, 1933. VICTORY PACKING COMPANY, Oakland, Calif. Republished by Calo Dog Food Company, Incorporated, Oakland, Calif., a corporation of California.

VICTORY

FOR CANNED DOG AND CAT FOOD.
Claims use since Jan. 16, 1933.

Reg. No. 307,929. Registered Nov. 14, 1933. WORCESTER SALT CO., New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

FOR SALT.
Claims use since on or about Jan. 2, 1895.

Reg. No. 312,789. Registered May 8, 1934. VINCENNES PACKING CORPORATION, Vincennes, Ind., a corporation of Indiana. Republished by registrant.

FOR CANNED OR BOTTLED TOMATO JUICE, TOMATOES, TOMATO JUICE COCKTAIL, TOMATO PUREE, TOMATO CATSUP, TOMATO PASTE, TOMATO SAUCE, PORK AND BEANS, CANNED VEGETABLES—INCLUDING, RED BEANS, RED KIDNEY BEANS, KIDNEY BEANS, WAX BEANS,, GREEN BEANS, HOMINY, SAUERKRAUT, PUMPKIN, AND SOUPS, CORN, SPAGHETTI, AND CHILI CONCARNE.
Claims use since Feb. 1, 1931.

Reg. No. 314,362. Registered June 26, 1934. DONAHOE'S INCORPORATED, Pittsburgh, Pa., a corporation of Delaware. Republished by registrant.

REDDY KOOKT

The words "Reddy Kookt" are disclaimed apart from the mark as shown.
FOR COOKED FOODS SOLD IN BULK IN DELICATESSEN STORES—NAMELY, CHICKEN PIES, BEEF PIES, PORK PIES, RABBIT PIES, OYSTER PIES, DEVILED CRABS, BAKED CRABS, SPAGHETTI AND MEAT BALLS, BAKED HAMS, BOILED HAMS, BAKED PORK AND BEANS, BAKED APPLES, COOKED FISH, POTATO ROLLETTES, CHICKEN CROQUETTES, HAM CROQUETTES, SALMON CROQUETTES, CHICKEN À LA KING, CHOP SUEY, HAM SHANKS, CUSTARDS, CHOCOLATE CUSTARD PUDDINGS, ROAST STUFFED POULTRY, BOILED TONGUES, CORNED BEEF, ROAST BEEF, ROAST PORK.
Claims use since Jan. 16, 1933.

Reg. No. 316,574. Registered Aug. 28, 1934. SCOVILLE, BROWN & COMPANY, Wellsville, N. Y., a corporation of New York. Republished by registrant.

Heart's Delight

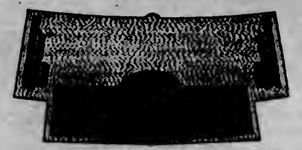
FOR CORN MEAL, CORN STARCH, FLOURS—NAMELY, BUCKWHEAT, FAMILY, GRAHAM, PANCAKE AND PASTRY, MACARONI, NOODLES, SPAGHETTI, ROLLED OATS, RICE, COCOA, COFFEE, TEA, CANNED SALMON, CANNED TUNA FISH, MINCEMEAT, OLIVES, OLIVE OIL, SALAD DRESSING, VINEGAR, PICKLES AND CONDIMENTS, SPICES, TABLE SALT, FOOD-FLAVORING EXTRACTS, JELLY POWDERS, JELLIES, PRESERVES, APPLE BUTTER, MOLASSES, TABLE SYRUPS, BUTTER, CHEESE, AND CANNED MILK.
Claims use since 1894.

Reg. No. 320,175. Registered Dec. 18, 1934. WHIZ FISH PRODUCTS COMPANY, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

WHIZ

FOR FRESH AND FROZEN FISH.
Claims use since 1926.

Reg. No. 323,182. Registered Apr. 2, 1935. GLAESER, CRANDELL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.



In the drawing, the cross hatching denotes black, and the broken horisontal lines denote silver. The words "Net Wt.," "5 oz.," "Pure Prepared Mustard," "Chicago," and the representation of the label are disclaimed apart from the mark as shown.
FOR PREPARED MUSTARD.
Claims use since April 7, 1933.

Reg. No. 328,291. Registered Sept. 24, 1935. VICTORY PACKING COMPANY, Oakland, Calif. Republished by Calo Dog Food Company, Incorporated, Oakland, Calif., a corporation of California.

OUR BEST-FRIEND

FOR FOOD PRODUCTS FOR DOGS.
Claims use since Mar. 20, 1933.

Reg. No. 331,342. Registered Jan. 7, 1936. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

FFV

FOR CAKES AND CRACKERS.
Claims use since November 1925.

Reg. No. 335,015. Registered May 19, 1936. FRANKLIN MACVEAGH AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CHARM

FOR CANNED SALMON, CLAMS, CLAM JUICE, SARDINES, OYSTERS, CONDENSED MILK, EVAPORATED MILK, MACARONI, VERMICELLI, SPAGHETTI, MOLASSES, TABLE SUGAR-SYRUP AND HOMINY.
Claims use since 1889.

Reg. No. 337,156. Registered July 28, 1936. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

FFV
PAR-T-PETS

FOR BISCUITS.
Claims use since Mar. 9, 1936.

Reg. No. 339,146. Registered Sept. 29, 1936. BIDWELL-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

Kit Carson

FOR CANNED FRUITS, CANNED VEGETABLES.
Claims use since Mar. 23, 1936.

Reg. No. 341,062. Registered Dec. 1, 1936. BIDWELL-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

BROCADE

FOR CANNED FRUITS, CANNED VEGETABLES.
Claims use since June 30, 1936.

Reg. No. 341,695. Registered Dec. 22, 1936. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

FFV
Colonial Girl

FOR BISCUITS.
Claims use since July 27, 1936.

Reg. No. 343,707. Registered Mar. 2, 1937. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.

The words "Cakes of Sterling Quality" are disclaimed apart from the mark as shown.
FOR BAKERY PRODUCTS—NAMELY, CAKES.
Claims use since Sept. 10, 1934.

Reg. No. 344,886. Registered Apr. 6, 1937. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

FFV
SKYLINE ASSORTMENT

The word "Assortment" is disclaimed apart from the mark as shown.
FOR BISCUITS.
Claims use since Nov. 12, 1936.

Reg. No. 346,730. Registered June 8, 1937. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.

Daily at Your Door

The words "Daily at Your Door" are disclaimed apart from the mark as shown.
FOR BAKERY PRODUCTS—NAMELY, BREAD.
Claims use since Mar. 1, 1931.

Reg. No. 352,736. Registered Dec. 14, 1937. GEORGE B. MUSANTE, San Jose, Calif. Republished by registrant.

FOR FRESH VEGETABLES.
Claims use since Apr. 28, 1934.

Reg. No. 356,280. Registered Apr. 19, 1938. EMPIRE STATE PICKLING CO., Phelps, N. Y., a corporation of New York. Republished by registrant.

KRAUMATO

FOR MIXTURE OF TOMATO JUICE AND SAUERKRAUT JUICE FOR FOOD PURPOSES.
Claims use since Sept. 1, 1937.

Reg. No. 359,795. Registered Aug. 30, 1938. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

FFV TAVERN
APPETIZERS

The word "Appetizers" is disclaimed apart from the mark as shown.
FOR BISCUITS.
Claims use since Mar. 21, 1938.

Reg. No. 360,767. Registered Sept. 27, 1938. HANOVER CANNING COMPANY, Hanover, Pa., a corporation of Pennsylvania. Republished by registrant.

DawnGlo

FOR CANNED VEGETABLES.
Claims use since June 18, 1930.

Reg. No. 361,077. Registered Oct. 4, 1938. CORONA FOOTHILL LEMON COMPANY, Corona, Calif., a corporation of California. Republished by registrant.

PROGRESSIVE

FOR FRESH CITRUS FRUIT.
Claims use since 1915.

Reg. No. 362,396. Registered Nov. 15, 1938. WORCESTER SALT COMPANY, New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

FOR SALT.
Claims use since on or about June 22, 1933.

Reg. No. 367,961. Registered June 6, 1939. MUTUAL CITRUS PRODUCTS COMPANY, Anaheim, Calif., a corporation of California. Republished by registrant.

GOLDEN GOBLET

FOR FRESH CITRUS FRUITS.
Claims use since June 3, 1938.

Reg. No. 369,865. Registered Aug. 8, 1939. FREMONT CANNING COMPANY, doing business as Gerber Products Company, Fremont, Mich. Republished by Gerber Products Company, Fremont, Mich., a corporation of Michigan.

The outline representation of the label is disclaimed apart from the mark as shown. The drawing is lined for blue.
FOR CANNED FRUITS AND VEGETABLES.
Claims use since Nov. 23, 1937.

Reg. No. 371,287. Registered Sept. 19, 1939. H. D. RODDENBERRY, Santa Maria, Calif. Republished by registrant, present address Delano, Calif.

PLEDGE

FOR FRESH VEGETABLES.
Claims use since Feb. 13, 1939.

Reg. No. 375,170. Registered Feb. 13, 1940. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky. Republished by Jefferson Island Salt Company, Louisville, Ky., a corporation of Delaware.

SOF-T-SALT

The word "Salt" is disclaimed apart from the mark as shown.
FOR ROCK AND EVAPORATED SALT.
Claims use since Aug. 29, 1938.

Reg. No. 375,389. Registered Feb. 20, 1940. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

Fireside

FOR RAW POP CORN.
Claims use since Dec. 1, 1922.

Reg. No. 382,745. Registered Nov. 12, 1940. THE CLEVELAND FRUIT JUICE COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Goldenmoon

FOR IMITATION STRAWBERRY EXTRACT USED IN PREPARATION OF ICE CREAM DISHES, BOTTLED CHERRIES, BOTTLED BLACK SWEET CHERRIES, PREPARED WALNUTS, BOTTLED CRUSHED AND SLICED PINEAPPLE, CHOCOLATE FLAVOR SYRUP ADAPTED FOR MAKING ICE CREAM SUNDAES, VANILLA, AND VANILLIN COMPOUND FOR FOOD FLAVORING PURPOSES, BUTTERSCOTCH FLAVORING, CARAMEL FLAVORING, COCOA PASTE, POWDERED COCOA, BOTTLED FRUIT SALAD, SLICED MELON, BOTTLED SLICED ORANGE-PINEAPPLE, BOTTLED BRANDY FLAVORED PEACHES, TOASTED PECANS, BOTTLED SEEDLESS BLACK RASPBERRIES, BOTTLED CRUSHED RED RASPBERRIES, BOTTLED STRAWBERRIES, CANNED MARSHMALLOW TOPPING, CANNED CHOCOLATE FLAVORED FUDGE, AND PURE VANILLA FOR FOOD FLAVORING PURPOSES.
Claims use since Sept. 1, 1915.

Reg. No. 384,851. Registered Feb. 4, 1941. TAPO CITRUS ASSOCIATION, Simi, Calif., a corporation of California. Republished by registrant.

VEN-CO

FOR FRESH CITRUS FRUIT.
Claims use since Aug. 23, 1940.

Reg. No. 387,180. Registered May 6, 1941. SPERRY-YOUNG-KEVAN, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

SYKO

FOR SYRUP USED AS A STABILIZING BASE FOR ICINGS FOR BAKERY PRODUCTS.
Claims use since on or about Apr. 1, 1939.

Reg. No. 387,501. Registered May 20, 1941. DONNA CITRUS ASSOCIATION, Donna, Tex., a corporation of Texas. Republished by registrant.

TEXAS MOON

The word "Texas" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Dec. 15, 1939.

Reg. No. 389,794. Registered Aug. 19, 1941. MELETIO SEA FOOD COMPANY, INC., St. Louis, Mo., a corporation of Delaware. Republished by registrant.

GOLDEN DIPT

FOR FOOD PREPARATION, FOR READY MIXED BREADING FOR PAN FRYING.
Claims use since May 17, 1939.

Reg. No. 390,284. Registered Sept. 16, 1941. THE KREIER PRESERVING COMPANY, Belgium, Wis., a corporation of Wisconsin. Republished by registrant.

SERV-U-RITE

FOR CANNED VEGETABLES—NAMELY, CORN, CARROTS AND PEAS, PEAS, BEETS, CARROTS, GREEN BEANS, WAX BEANS, MIXED VEGETABLES, SAUER KRAUT, RED KIDNEY BEANS, RED BEANS, LIMA BEANS, SPINACH, AND TOMATOES; CANNED PUMPKIN, CANNED PORK AND BEANS, CANNED SPAGHETTI WITH TOMATO SAUCE, CANNED TOMATO JUICE, CANNED PEA SOUP, AND CANNED VEGETABLE SOUP, AND TOMATO SOUP.
Claims use since 1913.

Reg. No. 391,852. Registered Nov. 25, 1941. SEBASTIANI CANNING CO., Sonoma, Calif. Republished by S. J. Miller Packing Company, Grand Junction, Colo., a corporation of Colorado.

The word "Sweet" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES—NAMELY, CANNED BEETS.
Claims use since May 22, 1941.

Reg. No. 393,810. Registered Mar. 3, 1942. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

American Beauty

The word "American" is disclaimed apart from the mark as shown.
FOR RAW POP CORN.
Claims use since December 1929.

Reg. No. 405,319. Registered Jan. 18, 1944. GERBER PRODUCTS COMPANY, Fremont, Mich., a corporation of Michigan. Republished by registrant.

Gerber's

The name "Gerbers" is disclaimed apart from the mark as shown. The picture of the child is fanciful.
FOR CANNED AND PACKAGED FOODS FOR INFANTS, CHILDREN AND INVALIDS—NAMELY, STRAINED AND CHOPPED VEGETABLES, VEGETABLES WITH MEAT, CHICKEN WITH RICE, SOUPS, CUSTARDS, PUDDINGS, CEREALS, STRAINED FRUITS AND STRAINED APPLE SAUCE.
Claims use since Feb. 4, 1932.

Reg. No. 405,943. Registered Feb. 29, 1944. ORANGE-THORPE CITRUS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

GOLDEN SERVICE

The word "Golden" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since 1926.

Reg. No. 406,201. Registered Mar. 14, 1944. SEBASTIANI CANNING CO., Grand Junction, Colo. Republished by S. J. Miller Packing Company, Grand Junction, Colo., a corporation of Colorado.

The word "Brand" and the representation of a label are disclaimed apart from the mark as shown.
FOR CANNED FOOD PRODUCTS — NAMELY, CANNED VEGETABLES.
Claims use since Sept. 29, 1943.

Reg. No. 412,859. Registered Mar. 27, 1945. FRANK A. SMITH, Elsa, Tex. Republished by registrant.

F-A-S

FOR FRESH VEGETABLES.
Claims use since Oct. 13, 1944.
618 O. G.—30

Reg. No. 430,574. Registered June 17, 1947. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

CALIFORNIA BELLE

The word "California" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since 1905.

Reg. No. 431,248. Registered July 15, 1947. THE KREIER PRESERVING COMPANY, Belgium, Wis., a corporation of Wisconsin. Republished by registrant.

Belle of Belgium

The word "Belgium" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES.
Claims use since July 31, 1919.

Reg. No. 431,917. Registered Aug. 12, 1947. ROBERT F. HUNSICKER, doing business as Allen Products Company, Allentown, Pa. Republished by registrant.

FOR CANNED AND FROZEN DOG FOOD.
Claims use since Aug. 22, 1944.

Reg. No. 434,189. Registered Nov. 11, 1947. COASTAL VALLEY CANNING CO., Oxnard, Calif., a corporation of California. Republished by registrant.

CO-VA-CO

FOR CANNED PIMIENTOS.
Claims use since Sept. 30, 1946.

CLASS 47

WINES

Reg. No. 316,152. Registered Aug. 14, 1934. DEXHEIMER AND BECKER CO., St. Louis, Mo. Republished by Mound City Products Company, St. Louis, Mo., a corporation of Missouri.

TUCALI

FOR WINES—NAMELY, SAUTERNE, BURGUNDY, CLARET, PORT, SHERRY, MUSCATEL, AND ANGELICA.
Claims use since Dec. 20, 1933.

Reg. No. 317,601. Registered Oct. 2, 1934. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif. Republished by Bohemian Distributing Company, Los Angeles, Calif., a corporation of California.

CABRILLO

FOR WINES.
Claims use since on or about Jan. 26, 1934.

Reg. No. 322,518. Registered Mar. 12, 1935. CHRISTOPHER & CO. LIMITED, London, England, a limited liability company registered unnder the laws of Great Britain. Republished by registrant.

CHRISTOPHER'S

FOR WINES.
Claims use since 1931.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 67,369. Registered Jan. 28, 1908. THEO. HAMM BREWING CO., St. Paul, Minn., a corporation of Minnesota. Republished by registrant.

Digesto

FOR MALT EXTRACT.
Claims use since about June 18, 1907.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 22,771. Registered Apr. 11, 1893. THE DISTILLERS COMPANY, LIMITED, Edinburgh, Scotland. Republished by The Distillers Agency Limited, Edinburgh, Scotland, a limited liability company of Great Britain.

FOR WHISKY.
Claims use since Mar. 15, 1890.

Reg. No. 302,146. Registered Mar. 28, 1933. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

The words "Rare Old Scots Whisky" and Distillers Edinburgh" are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since April 1896.

Reg. No. 302,727. Registered Apr. 25, 1933. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

FOR RUM, WHISKY, GIN, AND BRANDY.
Claims use since 1914.

Reg. No. 302,728. Registered Apr. 25, 1933. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

FOR WHISKY, RUM, GIN, AND BRANDY.
Claims use since 1913.

Reg. No. 308,053. Registered Nov. 21, 1933. JAMES BURROUGH LIMITED, London, England, a limited liability company registered under the laws of Great Britain. Republished by registrant.

The words appearing on the drawing with the exception of "Burrough's Beefeater," "James Burrough" (a facsimile signature), and "Established 1820," and the name of the company are disclaimed apart from the mark as shown.
FOR GIN.
Claims use since Nov. 11, 1909.

Reg. No. 312,855. Registered May 8, 1934. BOHEMIAN DISTRIBUTING CO. LTD., Los Angeles, Calif. Republished by Bohemian Distributing Company, Los Angeles, Calif., a corporation of California.

ROYAL TASTE

FOR WHISKEYS, COCKTAILS, CORDIALS, GIN, AND BRANDIES.
Claims use since on or about Jan. 5, 1934.

Reg. No. 318,360. Registered Oct. 23, 1934. E. KAHN & CO., INC., Baltimore, Md. Republished by The Distillers Agency Limited, Edinburgh, Scotland, a limited liability company of Great Britain.

PRINCE GEORGE

FOR WHISKY, BRANDY, GIN, RUM, AND ALCOHOLIC CORDIALS.
Claims use since July 5, 1934.

Reg. No. 322,959. Registered Mar. 26, 1935. CHRISTOPHER & CO. LIMITED, London, England, a limited liability company registered under the laws of Great Britain. Republished by registrant.

CHRISTOPHER'S

FOR WHISKY, KUMMEL, CRÈME DE MENTHE, ALCOHOLIC CORDIALS, GIN, AND BRANDY.
Claims use since at least the year 1831.

Reg. No. 329,446. Registered Oct. 29, 1935. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

Highland Club
Very [illegible] Blended
Scotch
Whisky
The Distillers Agency Ltd
Edinburgh

No claim is made to any of the wording appearing on the drawing except the applicant's name and the words "Highland Club," and no exclusive use is claimed in the word "Club" apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since at least the year 1896.

Reg. No. 355,278. Registered Mar. 8, 1938. DEXHEIMER & BECKER COMPANY, St. Louis, Mo. Republished by Mound City Products Company, St. Louis, Mo., a corporation of Missouri.

Lonshire

FOR GIN.
Claims use since Apr. 5, 1934.

Reg. No. 369,637. Registered Aug. 1, 1939. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

All the words with exception of the monogram and the name of applicant are disclaimed apart from the mark as shown.

FOR SCOTCH WHISKY.

Claims use since Sept. 30, 1895.

Reg. No. 407,434. Registered June 6, 1944. THE DISTILLERS AGENCY LIMITED, Edinburgh, Scotland, a limited liability company of Great Britain. Republished by registrant.

The outline representation of a label, together with all wording appearing on the drawing excepting "King George IV," is disclaimed apart from the mark as shown.

FOR SCOTCH WHISKY.

Claims use since 1934.

Reg. No. 418,481. Registered Dec. 25, 1945. PADRE VINEYARD COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

Padre

FOR BRANDY.

Claims use since Oct. 10, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 111,159. Registered July 4, 1916. AMERICAN VULCANISED FIBRE CO., Wilmington, Del. Republished by National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware.

FOR VULCANIZED FIBER.

Claims use since about July 1909.

Reg. No. 121,745. Registered May 28, 1918. AMERICAN VULCANISED FIBRE COMPANY, Wilmington, Del. Republished by National Vulcanized Fibre Co., Wilmington, Del., a corporation of Delaware.

VUL-COT

FOR VULCANIZED FIBER.

Claims use since about January 1915.

Reg. No. 181,795. Registered Mar. 25, 1924. SCHMIDT & AULT PAPER CO., York, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR INDENTED PAPER CARPET LINING.

Claims use since Apr. 3, 1923.

Reg. No. 355,080. Registered Mar. 8, 1938. RICH SIGNS CORPORATION, Wichita, Kans. Republished by Miro-Flex Company, Inc., Wichita, Kans., a corporation of Kansas.

MIRO-FLEX

FOR HIGHWAY MARKERS.

Claims use since July 23, 1937.

REISSUES

JANUARY 11, 1949

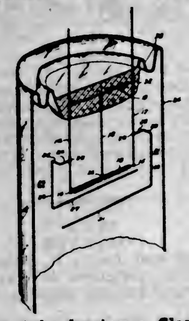
23,073

SPACE DISCHARGE TUBE AND ELECTRODE THEREFOR

Charles Philippe Boucher, deceased, late of Newark, N. J., by National Inventions Corporation, New York, N. Y., a corporation of New Jersey, assignee

Original No. 2,384,007, dated September 4, 1945, Serial No. 458,273, September 14, 1942. Application for reissue August 30, 1946, Serial No. 693,842

5 Claims. (Cl. 176—126)



5. A gaseous tube having a filament therein and having current conducting leads attached thereto and extending through a wall of the tube, and a short-circuiting bar connected across said leads intermediate their lengths.

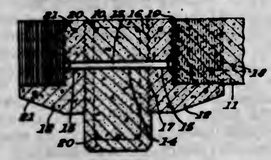
23,074

PRECAST CONCRETE CORRUGATED CONNECTION

Albert Henderson, Pittsburgh, Pa., assignor, by mesne assignments, to The Cementstone Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Original No. 2,414,738, dated January 21, 1947, Serial No. 593,375, May 12, 1945. Application for reissue January 14, 1948, Serial No. 2,186

10 Claims. (Cl. 72—106)



10. In a building construction, a static concrete structure comprising a precast concrete support member, a precast concrete bracket member carried by the support member and another member bearing against the bracket member and normally exerting force thereagainst tending to shear the bracket member from the support member, the support member and the bracket member having opposed faces through which they bear against each other, said faces having interfitting corrugations extending transversely of the direction of said force.

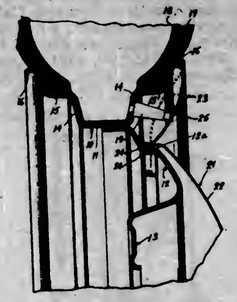
23,075

WHEEL COVER

George Albert Lyon, Allenhurst, N. J.

Original No. 2,386,225, dated October 9, 1945, Serial No. 474,647, February 4, 1943. Application for reissue August 29, 1946, Serial No. 693,603

14 Claims. (Cl. 301—37)



1. As an article of manufacture a wheel cover member including a ring portion of thin resiliently deflectable material and a central cover portion of relatively stronger material, said ring portion having an enlarged inner edge, said central portion having its peripheral marginal portion protectively embracing said enlarged edge of the ring portion to provide a unitary assembly, said peripheral marginal portion of the central cover portion being arranged for sliding under stress into retaining engagement with retaining means on an outer part of a wheel, said ring portion being constructed and arranged to be locally, manually deflectable to provide access between said ring and a wheel when said unitary structure is mounted on said outer part of the wheel.

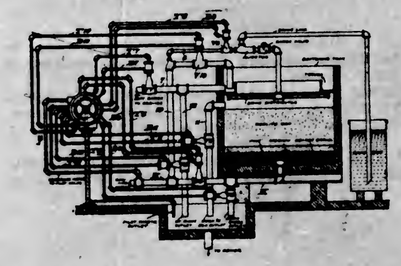
23,076

PLURAL VALVE ACTUATION AND CONTROL

Eric Pick, East Rockaway, N. Y., assignor to The Permutit Company, New York, N. Y., a corporation of Delaware

Original No. 2,076,321, dated April 6, 1937, Serial No. 45,133, October 15, 1935. Application for reissue September 20, 1945, Serial No. 617,657

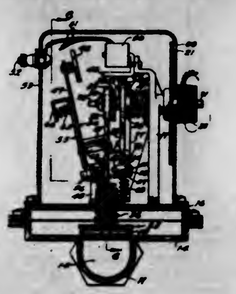
4 Claims. (Cl. 137—144)



2. In a valve system for coordinating a plurality of fluid flows which comprises a plurality

of main valves operated by a fluid under pressure, pilot valve means controlling the pressure fluid and pressure fluid connections between the main valves and the pilot valve means, means for preventing the opening of one of said main valves until a second of said main valves is closed, said last named means comprising an auxiliary valve in a pressure fluid connection to said one main valve, and means for opening said auxiliary valve automatically actuated by the closing of said second main valve.

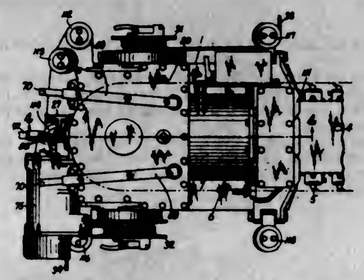
23,077
CONTROL APPARATUS
William A. Ray, North Hollywood, Calif., assignor to General Controls Co., a corporation
Original No. 2,381,926, dated August 14, 1945, Serial No. 394,338, May 20, 1941. Application for reissue September 16, 1946, Serial No. 697,171
15 Claims. (Cl. 74—1)



1. In a condition control apparatus: a device to be actuated; an actuating member; means interconnecting said device and said member and including a pair of continuously-interconnected elements one of which is continuously responsive to movement of said member, said elements being normally so movable relative to each other that movement of said one of the elements is ineffective to actuate said device; means maintaining said one of the elements in potential driving relation to the other of said elements; and means, responsive to a condition of said apparatus which must be maintained during the entire period of operation thereof, for so controlling the operation of said one of said elements that it is capable of imparting movement to the other of said elements to permit actuation of the device by the member, only while said required condition exists.

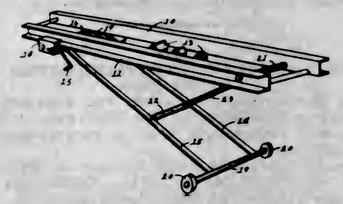
23,078
MINING MACHINE
Leon E. Simmons, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Original No. 2,349,311, dated May 23, 1944, Serial No. 389,016, April 17, 1941. Application for reissue May 7, 1945, Serial No. 592,297
6 Claims. (Cl. 262—30)

1. In a mining machine, the combination comprising a horizontal plane cutter bar having spaced apart parallel rearward portions, a cutter chain movable in an orbit about the margin of said cutter bar, and a horizontal motor for driving said cutter chain having a motor casing provided with a bottom projection, a bottom step plate, the rearward bar portions extending along



the opposite sides of said motor casing projection and engaging surfaces on said step plate and the bottom of said motor casing, and a bar hanger mounted upon said step plate and having a portion projecting between said rearward bar portions and with which said cutter bar is slidingly engaged.

23,079
CONVEYER
Bert Woldring and James R. Sebastian, Grand Rapids, Mich., assignors to Rapids-Standard Co., Inc., Grand Rapids, Mich., a corporation of Michigan
Original No. 2,347,308, dated April 25, 1944, Serial No. 511,232, November 22, 1943. Application for reissue March 5, 1945, Serial No. 580,944
3 Claims. (Cl. 193—35)



1. A gravity conveyer having a pair of rails spacedly secured together and means for selectively adjustably varying the inclination of the spaced rails comprising; a pair of members each longitudinally slidable on a rail and secured together by a shaft rotatably disposed therebetween, supporting means for the conveyer secured at one end to the shaft, a second shaft rotatably secured between the rails in spaced relation to the first shaft, a connecting link secured between the second shaft and said supporting means, and an eccentric collar rotatably carried adjacent each opposite end of the first shaft whose cammed surface is adapted to be manually rotated into engagement with its proximate rail.

PLANT PATENTS

GRANTED JANUARY 11, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

819
APPLE TREE
Curtis C. Aller, Yakima County, Wash.
Application January 22, 1947, Serial No. 723,542
1 Claim. (Cl. 47—62)

The new and distinct variety of apple tree, substantially as herein shown and described, identical with the Yellow Newtown in foliage, growth, tree type and fruit flesh, but characterized as to novelty by its long fruit spurs which easily separate from the fruit in picking; its freedom from susceptibility to scald or bitter pit; its habit of bearing annually; and its somewhat elongated blocky fruit having bright green color, deep cavity, and long stems.

820
MAGNOLIA PLANT
Carl Edward Kern, Wyoming, Ohio
Application May 31, 1947, Serial No. 751,578
1 Claim. (Cl. 47—60)

A new and distinct variety of *Magnolia stellata* plant substantially as shown and described, characterized particularly by its floriferousness, the coloring of its blooms, its compact upright growth, the lateness and length of its blooming season, and its healthy, vigorous growth.

PATENTS

GRANTED JANUARY 11, 1949

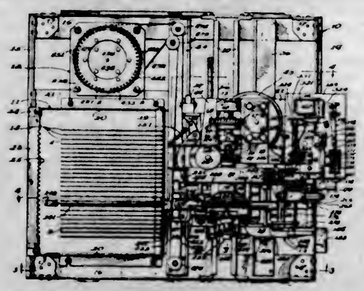
2,458,494
STABILIZATION OF VINYL COMPOUNDS
John R. Durland, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 21, 1946, Serial No. 698,432
2 Claims. (Cl. 260—666.5)

2. A liquid composition comprising a styrene monomer and a proportion sufficient to inhibit polymerization of a monosulfide of mono butylated meta cresol.

2,458,495
PROCESSES OF FERMENTATION
Jackson Walter Foster, Austin, Tex., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application July 2, 1948, Serial No. 36,822
10 Claims. (Cl. 195—36)

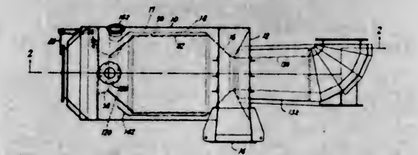
1. Process for the production of penicillin, comprising fermenting an aqueous nutrient medium under submerged aerated conditions by means of the fungus *Penicillium chrysogenum* var. *brevisterigma*.

2,458,496
AUTOMATIC PHONOGRAPH
Edward F. Andrews, Chicago, Ill., assignor, by mesne assignments, to N. Marshall Seeburg, Chicago, Ill.
Application May 4, 1942, Serial No. 441,625
28 Claims. (Cl. 274—10)



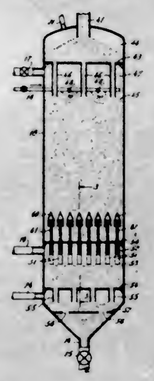
1. In a phonograph of the type including, a pair of record clamping and rotating members for supporting a record for rotation about an axis in playing position, one of said members being movably mounted relative to the other and movable toward and away from said position, means including record engaging pickup and a player arm pivotally mounted to one side of said position and movable toward the axis for reproducing a record, a generally arcuate record stripping member positioned at that side of the playing position at which said one member is located and spaced a short distance from said position, said arcuate member defining a central opening through which said one clamping member is movable and having its ends spaced apart at the side nearest the pickup to enable said pickup to move toward the axis of rotation of the record.

2,458,497
COMBUSTION CHAMBER
Ervin G. Bailey, Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey
Application May 5, 1945, Serial No. 592,257
8 Claims. (Cl. 263—19)



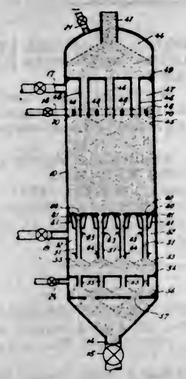
1. In a combustion chamber installation, a sheet metal cylindrical wall of single sheet thickness construction enclosing a combustion space, a burner injecting burning fuel into the combustion space, a Venturi-like construction forming a gas mixing outlet, and means maintaining a moving envelope of cooling gas externally of said wall, said wall being formed over its entire operating area with a multiplicity of closely spaced wall openings with inner and outer gas deflecting wall parts associated with each opening, the inner deflecting parts being offset inwardly of said wall and extending downstream beyond their associated openings and thereby maintaining an inner envelope of cooling gas along the inner surface of the wall.

2,458,498
METHOD AND APPARATUS FOR CONVERSION OF FLUID HYDROCARBONS
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application August 31, 1946, Serial No. 694,334
16 Claims. (Cl. 196—52)



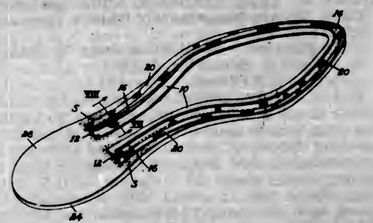
1. A method for conversion of fluid hydrocarbons to lower boiling gaseous hydrocarbons in the presence of a moving particle-form contact material which method comprises: introducing particle-form contact material into the upper section of a confined, elongated conversion zone at a suitable temperature for said hydrocarbon conversion, passing said contact material downwardly through an upper portion of said zone as a substantially compact column of downwardly flowing particles, introducing fluid hydrocarbons into the upper section of said zone and passing said hydrocarbons downwardly within said column to effect conversion to lower boiling gaseous hydrocarbons, collecting said gaseous products in a plurality of gas collecting spaces spaced apart within the lower section of said column, maintaining within a lower section of said zone a settling space, flowing the contact material in said column downwardly around said collecting spaces and passing contact material as at least one substantially compact confined stream from a level in said column below said gas collecting spaces through said settling space onto a substantially compact bed of said contact material below and exposed to said settling space, withdrawing contact material from said bed at a controlled rate, passing the collected gaseous products from each of said gas collecting spaces as a confined stream to said settling space and withdrawing gaseous products from said settling space.

2,458,499
METHOD AND APPARATUS FOR CONVERSION OF FLUID HYDROCARBONS
Eric V. Bergstrom, Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application September 13, 1946, Serial No. 696,856
11 Claims. (Cl. 196—52)



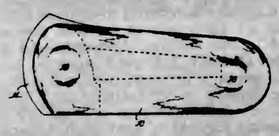
1. A method for conversion of fluid hydrocarbons in the presence of a particle-form contact mass material which comprises: introducing particle-form contact material into the upper section of a confined conversion zone and passing it downwardly within said zone as a substantially compact column, introducing fluid hydrocarbons into said zone to contact said contact material so as to be converted to gaseous hydrocarbon products, flowing contact material from the lower section of said conversion zone as a plurality of spaced downwardly extending streams onto an equal plurality of limited accumulations of downwardly flowing contact material maintained in the upper portion of a second confined zone below said conversion zone, said accumulations serving to throttle the flow of contact material from said streams and said accumulations having a total cross-sectional area at their broadest plane substantially less than that of said second confined zone, flowing the contact material from the bottom of each of said accumulations as at least one confined elongated, downwardly extending, substantially compact stream onto the surface of a bed of said contact material maintained in the lower portion of said second zone so as to provide a substantial gas space surrounding said accumulations and the confined streams therefrom above said bed, withdrawing used contact material from said bed at a controlled rate, flowing gaseous conversion products from the lower section of said conversion zone along with said streams of contact material delivering onto said accumulations and disengaging said gaseous products from the contact material substantially at the location of contact material delivery from said streams onto said accumulations, directing the disengaged gaseous products downwardly in said gas space in said second zone toward the surface of said bed of contact material in said second zone so as to cause any entrained solid particles to settle onto said bed and withdrawing gaseous conversion products from said gas space above said bed.

2,458,500
RIBBED STRIP FOR INSOLES
Frederic E. Bertrand, Lynn, and Alfred S. Clark, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 14, 1946, Serial No. 709,674
14 Claims. (Cl. 36—22)



1. As an article of manufacture, a ribbed strip adapted for attachment to insoles to provide sewing ribs thereon comprising a single strip folded to form an upstanding rib with integral flanges projecting laterally from opposite sides of the rib, and another strip completely covering both sides of the rib and overlying only one of said flanges.

2,458,501
FOOT SUPPORTING DEVICE FOR SHOES
George E. Burford, Oklahoma City, Okla.
Application January 30, 1946, Serial No. 644,312
4 Claims. (Cl. 36—71)



1. A shoe appliance for assuring the proper functioning of the different parts of the foot in distributing the weight of a walking person from the heel through the weight-bearing arch on the outer portion of the foot and to the metatarsal

bones, comprising a semi-circular heel structure adapted to be worn beneath the heel, having an upper surface which is inclined from the rear and side edges inwardly and downwardly to form a stadium-shaped formation with the open side thereof directed forwardly, spaced apart longitudinally and continuously extending elongated members positioned on opposite sides of said appliance and extending forwardly from said semi-circular heel structure, said spaced-apart longitudinally extending members provided with thickened outer edges and feathered inner edges which serve as foot supporting surfaces, the inner longitudinal edges of said members being spaced apart throughout the length of said members and extending in a substantially straight line throughout the central portion of said appliance, the elongated member supporting the outer or weight-bearing arch of the foot being wider and higher than the opposite member which supports the inner or spring arch of the foot, each of said longitudinally extending members formed with a forwardly and rearwardly inclined upper surface and provided with apices intermediate the lengths thereof which are positioned forward of the semi-circular heel structure, and a metatarsal bridge in the form of a transversely extending pad which connects the forward ends of the longitudinally extending members to provide a bearing for the ball of the foot and the metatarsal bones thereof.

2,458,502
STRUCTURAL ELEMENT FOR HIGH TEMPERATURE SERVICE USE

Arthur T. Cape, Columbus, Ohio, assignor to Coast Metals, Inc., Canton, Ohio, a corporation of Delaware

No Drawing. Application June 30, 1944, Serial No. 543,047

5 Claims. (75—171)

1. A structural element having at least a part which in use is subjected to abrasion and wear at elevated temperatures, and which is capable of resisting the corrosive action of lead oxide at those temperatures, said part comprising an alloy containing from about 55% to about 75% nickel, from about 10% to about 30% chromium, from about 10% to about 13.5% tungsten, and from about 1.75% to about 3.5% carbon, the balance of the alloy being substantially all iron, but the iron being not in excess of 10%.

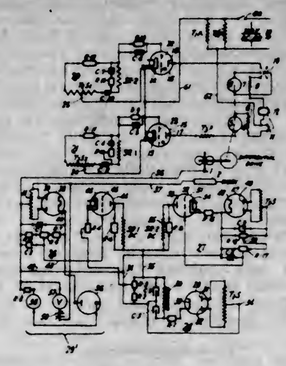
2,458,503
ELECTRICAL CONTROL SYSTEM

Otis R. Carpenter and Frank W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application November 9, 1946, Serial No. 708,858

6 Claims. (Cl. 314—64)

1. In an electric welding system including an electrode movable relative to the work by the driven element of a differential gearing having its driving elements rotated in opposite directions by a pair of high speed electric motors each connected to one driving element, and a source of electric current for said motors, a control circuit comprising, in combinaton, a pair of electric valve means each controlling the flow of current from the source to one of the motors; control means for one of said valve means operative, responsive to variations in the welding voltage from a predetermined value, to condition its controlled valve means to vary the current flow to the associated motor; and control means for the other valve means operative, responsive to such variation in the current flow, to condition its controlled valve means to vary the current flow to the other motor; the motors normally operating the driving elements at substantially the same speed, when the welding voltage is at said predetermined value, to maintain such driven



element stationary and the changes in relative motor speeds due to such variations in current flow effecting relatively inverse changes in the speeds of the differential driving elements to effect movement of such driven element to move the electrode to restore the welding voltage to said predetermined value.

2,458,504
REACTION PRODUCTS OF GELATIN AND ALDONIC ACIDS AND PROCESS FOR MAKING SAME

Allan E. Chester, Highland Park, and Frederick F. Reisinger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 6, 1944, Serial No. 525,323

12 Claims. (Cl. 260—117)

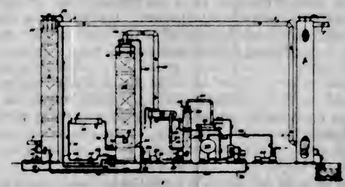
1. A composition comprising furfural and the reaction product of a gelatin with an aldonic acid dissolved in water.

2,458,505
GAS PURIFICATION PROCESS

Fred Denig, Pittsburgh, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware

Application November 2, 1945, Serial No. 626,248

7 Claims. (Cl. 23—151)



5. A process for the liquid purification of cooled coke-oven gas which has not been cooled so much as to condense out all the naphthalene and for the separation and recovery of improved yields of

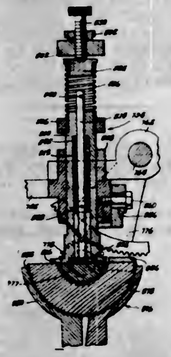
hydrogen sulphide and hydrogen cyanide therefrom, comprising: continuously scrubbing the cooled coke-oven gas with an aqueous alkali-metal carbonate solution at a temperature at least as high as the lowest temperature to which the coke-oven gas had previously been cooled to absorb hydrogen sulphide, hydrogen cyanide, and a minor amount of naphthalene from the gas; continuously flowing solution containing the absorbed constitutents into an actification zone of reduced pressure and therein heating the solution continuously to vaporize as actifier gases therefrom hydrogen sulphide, hydrogen cyanide and naphthalene; continuously washing the actifier gases with a hydrocarbon wash oil at a temperature at least higher than the dew point of the water vapor at the pressure in the actifier gases to absorb therefrom naphthalene; removing so-enriched wash oil from the washing step and revivifying it by distilling naphthalene therefrom; continuously recycling revivified wash oil to the said washing step; condensing water vapor from the actifier gases; and separating hydrogen sulphide and hydrogen cyanide from the so-treated actifier gases.

2,458,506
HALF FRUIT PEELER WITH COOPERATING RETAINER MEANS

Raymond L. Ewald and Henry A. Skog, Olympia, Wash., assignors to Special Equipment Company, Portland, Oreg., a corporation of Oregon

Original application October 21, 1946, Serial No. 363,596. Divided and this application July 31, 1948, Serial No. 496,884

20 Claims. (Cl. 146—43)



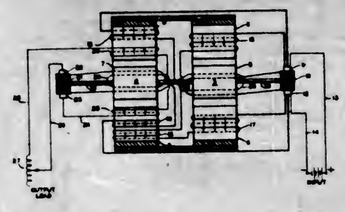
1. In a device of the class described, in combination with a half fruit holder adapted to receive and hold a half fruit with its cut face exposed, a peeling head, means for shifting the peeling head into position adjacent the cut face of the half fruit, a peeling knife, means for arcuately moving the knife through the flesh of the half fruit to peel the same, means carried by the peeling head for contacting the cut face of the half fruit during peeling comprising complemental parts, one of said parts being rigidly carried by the peeling head and overlying that portion of the cut face of the half fruit from which the peeling knife emerges, and another part overlying a portion of the cut face of the half fruit into which the peeling knife enters, said last mentioned part being resiliently mounted with respect to the peeling head.

2,458,507
DYNAMOTOR

Kenneth H. Fox, Red Bank, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application June 28, 1946, Serial No. 679,938

2 Claims. (Cl. 171—123)



1. A dynamoelectric machine including a stationary member and a rotatable member, said rotatable member being divided into a pair of magnetically substantially separate sections, a generator winding in both sections of said rotatable member, a motor winding in one of said sections, a first commutator connected to said generator winding, a second commutator connected to the motor winding, a first field winding on said stationary member and cooperating with said one section of the rotatable member, a second field winding on said stationary member and cooperating with the second section of said rotatable member, a source of electrical energy for exciting said first and second field windings, input brushes cooperating with the second commutator for connecting said motor winding to said source of electrical energy, a first compensating winding connected in series with said first field winding and having a like polarity to that of said second field winding, said compensating winding rapidly responsive to change in voltage of said source of energy and positioned adjacent said second field winding so as to effect rapid change in the magnetic flux of the second field winding upon variations in the electrical energy supplied by said source, output brushes cooperating with said first commutator, a second compensating winding on said stationary member and cooperating with said second section of the rotatable member, an electrical load, said second compensating winding connected in series with said load across said output brushes for compensating said generator winding for variations in the load, the portion of said generator winding in said second section having an opposite polarity to that of the other portion of the generator winding in the one section, and said portions of the generator winding being serially connected so as to compensate for variations in the input to said first and second field windings from said source of electrical energy to maintain a substantially constant output from said generator winding under varying load and electrical input conditions.

2,458,508
SAMPLING DEVICE

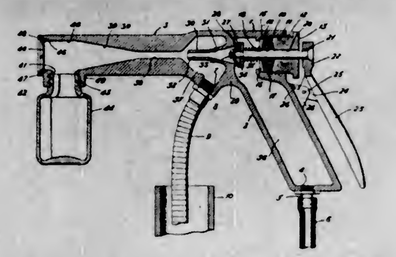
Henry E. Goetz, Brooklyn, N. Y.

Application October 8, 1946, Serial No. 701,972

4 Claims. (Cl. 73—421)

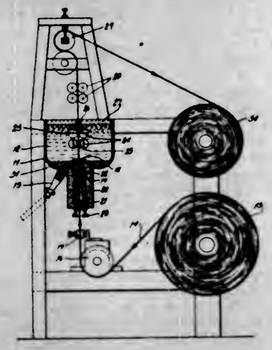
1. The combination of a barrel and a chambered handle, a spring pressed valve for interrupting communication from said handle to said barrel, a manually operated lever operatively connected to said valve to open the same and establish communication between said cham-

bered handle and said barrel, said chambered handle having an inlet, a conduit for connecting said barrel to a power oil reservoir, said barrel having two outlets, a container connected to one



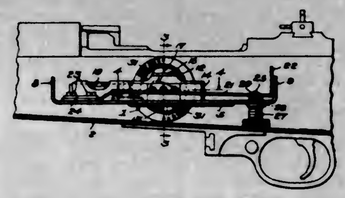
of said outlets to receive oil drawn into said barrel by suction when said valve is opened, and a screen for said other outlet to filter the oil from the air stream passing therethrough.

2,458,509
APPARATUS FOR TINNING STEEL
William F. Grupe, Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application August 28, 1942, Serial No. 456,569. Divided and this application June 18, 1943, Serial No. 491,313
4 Claims. (Cl. 91—12.5)



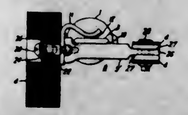
1. An apparatus for coating sheets of steel with molten tin, comprising a tank for molten tin an elongated, slot-like opening in the tank intermediate between the top and bottom thereof so that in normal operation, the opening will be above the level of the tin-iron alloy formed and below the level of the molten tin, each side and end of the slot carrying at least throughout its length a material that is not wet by molten tin, in such relation that the material on the sides and ends abut to form a barrier against the passage of molten tin, and a pair of rollers beneath the normal operation level of the molten tin with their axes parallel to and their bite aligned with the slot-like opening, whereby a sheet may be passed through the slot and the bite of the rolls in sequence, said rolls being provided with slotted grooves, extending axially along the rolls.

2,458,510
GRENADE SIGHT FOR FIREARMS
John C. Garand, Springfield, Ed G. Cooper, Framingham, and John R. Bird, Pittsfield, Mass., and Harold C. Miller, Billings, Mo.
Application November 9, 1945, Serial No. 627,774
11 Claims. (Cl. 33—58)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



3. A grenade launching sight for a firearm comprising a circular member arranged to be secured to a firearm, said circular member having a cylindrical recess therein generated about a horizontal axis transverse with respect to the firearm, a sighting bar, a mounting disc secured to said sighting bar and arranged to engage in said recess, a resilient clip member secured to said sighting bar, said clip member having bent end portions arranged to engage behind said circular member, thereby securing said sighting bar in rotatable relation to said circular member, a plurality of serrations arcuately disposed on the rear surface of said circular member, and toothed means on said bent over end portions of said resilient clip member cooperating therewith, whereby said sighting bar may be resiliently secured in any one of a plurality of angular positions with respect to the horizontal.

2,458,511
COMBINED SWITCH STUD AND FUSE CLIP
Winton G. Harlow, Upper Darby, Pa., assignor to General Electric Company, a corporation of New York
Application June 6, 1945, Serial No. 597,884
2 Claims. (Cl. 200—114)



1. A combination switch stud and fuse clip comprising a stud of relatively high conductivity having a cylindrical contact surface and an end portion provided with a flattened surface for hinging a switch blade, and means for holding a fuse having a blade type terminal with the terminal against the cylindrical contact surface of the stud in relatively high pressure substantial line-contact comprising a resilient member of relatively low conductivity provided with a contact surface opposed to said stud below the flattened surface thereof and shaped to engage the fuse blade terminal in approximate point-contact, said member being movable in a direction substantially perpendicular to the flattened surface of the stud.

2,458,512
ACYLATION OF THIOPHENE
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application December 21, 1945, Serial No. 636,512
15 Claims. (Cl. 260—329)

1. A process for nuclear acylation of a thiophene, comprising reacting the same with an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids in the presence of a porous, absorptive catalyst, comprising silica and at least one oxide of a metal selected from the group consisting of those in group IV, sub-group A, and those in the iron sub-group, of group VIII, of the Mendeléeff periodic table.

2,458,513
PROCESS FOR THE ACYLATION OF THIOPHENE
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application March 9, 1946, Serial No. 653,419
20 Claims. (Cl. 260—329)

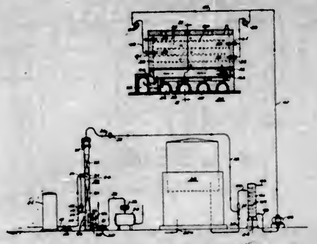
1. A process for nuclear acylation of an acylatable thiophene compound to yield a product having an acyl radical attached to the thiophene nucleus of said compound, which comprises reacting an acylatable thiophene compound with an acylating agent selected from the group consisting of acyl halides and carboxylic acid anhydrides in the presence of a porous absorptive material impregnated with a strong hydroxy acid having an initial ionization constant greater than about 1.0×10^{-2} and containing at least one element selected from the group consisting of sulfur, phosphorus, and fluorine.

2,458,514
CONTINUOUS CATALYTIC PROCESS FOR THE ACYLATION OF THIOPHENES
John Kellett, III, and Herbert E. Rasmussen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 12, 1946, Serial No. 647,174
17 Claims. (Cl. 260—329)

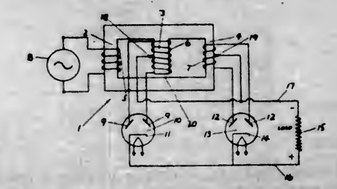
1. A continuous process for the acylation of thiophene, comprising reacting a mixture of thiophene and an acylating agent selected from the group consisting of acyl halides and carboxylic acid anhydrides in the presence of ortho phosphoric acid as a catalyst, separating the resultant reaction product mixture into its components and continuously withdrawing acylated thiophene from the system.

2,458,515
METHOD OF HEATING COKING RETORT OVENS WITH ENRICHED MIXTURES OF FUEL GAS
William O. Keeling, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application June 24, 1943, Serial No. 492,083
5 Claims. (Cl. 202—12)

5. In coke-oven operation, heating said coke oven with a non-regeneratively-preheated fuel-gas, by the steps of: withdrawing from reserve, in liquid state, at the coke-oven plant site and heating to vaporize a mixture of hydrocarbons containing up to and including hydrocarbons having seven carbon atoms in their molecular constitution; continuously flowing the heated vaporous mixture of hydrocarbon compounds containing up to and including hydrocarbons having seven carbon atoms in their molecular constitution, into admixture with a producer-gas having too low a calorific value effectively to heat said coke oven without a regenerative-preheating step for said producer-gas, and in proportion to provide the producer-gas with a calorific value effective to heat said coke oven but insufficient to raise the dewpoint temperature of the so-formed admixture above a temperature point reached therein during its traversal of a distribution system to the heating flues in said coke oven; applying heat to said admixture to maintain the temperature thereof, during its traversal to said coke oven, above the dewpoint temperature with respect to the condensible constituents of said admixture; and continuously delivering said admixture as fuel-gas to heating flues of said coke oven without a regenerative preheating step and burning the same therein.

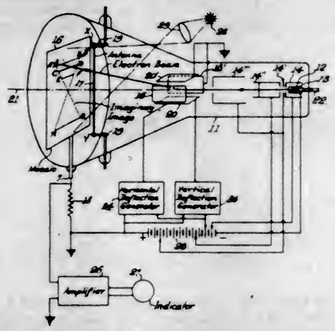


2,458,516
RECTIFYING SYSTEM
Hans Klemperer, Belmont, and William F. Huntley, Lowell, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 5, 1945, Serial No. 632,950
5 Claims. (Cl. 175—363)



1. A rectifying system comprising a three-legged transformer core with a primary winding around one leg, a secondary winding around a second leg, and a tertiary winding around the third leg, a source of alternating current connected to said primary winding, said second leg being adapted to produce in said secondary winding by transformer action from said source a double-lobed voltage wave with a depression between said lobes, said third leg being adapted to produce in said tertiary winding by transformer action from said source a peaked induced voltage wave, the peak of said last-mentioned wave occurring in time phase with the depression of said first-mentioned wave, and means for mixing and rectifying said waves.

2,458,517
CATHODE-RAY ULTRA HIGH FREQUENCY RECEIVER
Arthur R. Knight, Dayton, Ohio
Application November 23, 1942, Serial No. 466,973
11 Claims. (Cl. 250—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device for detecting radio waves comprising antenna means for receiving the waves and setting up a non-uniform field due thereto, means for projecting a stream of electrons through said field, means for setting up a field independent of the first-recited field which acts on said stream for moving the stream in the first-named field, and means for detecting any change in the electron stream due to change in uniformity of the first-named field.

2,458,518
SNAP ACTING DEVICE
Everard F. Kohl, Lakewood, Ohio
Application May 15, 1944, Serial No. 535,709
15 Claims. (Cl. 200—67)

1. In combination, a switch having a resilient arm movable from a normal to an actuated position and mechanism for actuating said arm including a spring having upper and lower substantially flat arms with a portion of the lower arm engaging the resilient arm of said switch and the upper arm being biased away from the lower arm, means associated with the arms of said spring for maintaining them in spaced relation, and an actuator engaging the upper arm of said spring, said spring being of sufficient strength to move the resilient arm of said switch from its normal to its actuated position without flexing said spring when pressure is applied to said actuator, and the upper arm of said spring being flexible to permit overtravel of said actuator after the resilient arm of said switch is moved to its actuated position.

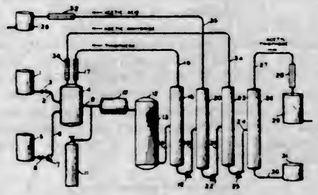
2,458,519
ACYLATING THIOPHENE WITH SILICA-ALUMINA CATALYST
Alvin I. Kosak, Columbus, Ohio, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 28, 1945, Serial No. 619,251
17 Claims. (Cl. 260—329)

1. A process for nuclear acylation of a thiophene, comprising reacting a thiophene with an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids in the presence of a porous absorptive silica-alumina catalyst.

2,458,520
ACYLATION OF THIOPHENE
Alvin I. Kosak, Columbus, Ohio, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application November 8, 1945, Serial No. 627,530
20 Claims. (Cl. 260—329)

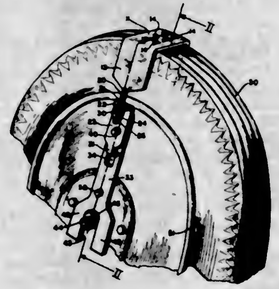
1. A process for nuclear acylation of an acylatable thiophene compound to yield a product having an acyl radical attached to the thiophene nucleus of said compound, which comprises reacting an acylatable thiophene compound with an acylating agent selected from the group consisting of acyl halides and carboxylic acid anhydrides in the presence of a strong hydroxy acid characterized by an initial ionization constant greater than 1.0×10^{-2} and containing at least one element selected from the group consisting of sulfur, phosphorus and fluorine.

2,458,521
ACYLATING THIOPHENE WITH SILICA-HYDROUS METALLIC OXIDE CATALYST
Alvin I. Kosak, Columbus, Ohio, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application January 4, 1946, Serial No. 639,142
20 Claims. (Cl. 260—329)



1. A continuous vapor-phase process for nuclear acylation of thiophenes with an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids, comprising passing a mixture of said thiophene and said acylating agent through a bed of porous, absorptive silica-hydrous metallic oxide catalyst maintained at a temperature sufficient to vaporize said mixture, condensing vapors ensuing from said bed and treating the resultant condensate to give an acylated thiophene.

2,458,522
TRACTION AIDING DEVICE FOR SELF-PROPELLED VEHICLES
Raymond F. MacKay, Worcester, Mass.
Application November 7, 1946, Serial No. 708,364
6 Claims. (Cl. 152—229)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



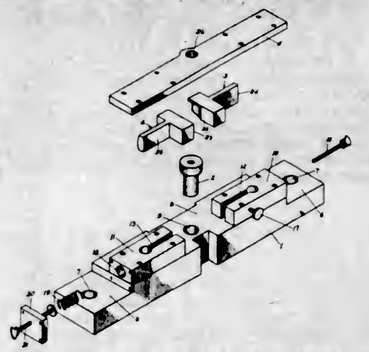
3. A traction aiding device for use on a vehicle having a pneumatic tire having a circular tread and spaced side walls attached to said tread at the edges thereof, said device comprising a first and a second gripping plate, means connecting said gripping plates and adapted to support said gripping plates on opposite sides of said pneumatic tire in a fixed space relationship, the spacing between said gripping plates being substantially less than the unrestrained width between the side walls of said tire at points in the vicinity of the point of contact of said tire with the highway whereby lateral pressure is exerted between the side walls of said tire and said gripping plates as said gripping plates approach said point of contact, means to secure one of said gripping plates to said drive wheel, and traction aiding means extending between said first and second gripping plates.

2,458,523
FROTH FLOTATION OF SULFIDE ORES IN THE PRESENCE OF A N-DICHLOROTHIOCARBANILIDE
Rhetherford B. Martin, New York, N. Y., assignor to Kennecott Copper Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 5, 1945, Serial No. 620,648
3 Claims. (Cl. 209—166)

1. The method of concentrating sulphide ore which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of a chlorinated thiocarbanilide compound in which a chloride atom is attached to a nitrogen atom.

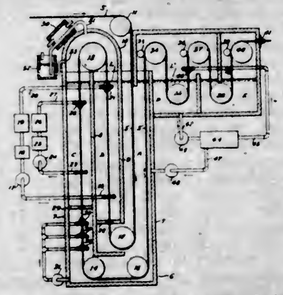
2,458,524
PUNCH JIG
James F. Murphy, Philadelphia, Pa.
Application December 14, 1945, Serial No. 635,132
4 Claims. (Cl. 164—59)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A jig adapted to be used in a punch press for guiding and punching a metal strip, comprising a base, a die mounted in said base over which said strip passes, a pair of oppositely disposed guide-holders mounted on said base adjacent said die, said guide-holders having slots extending outwardly from the opposed faces thereof substantially normal to the path of travel of said strip, a guide movably mounted in each of said slots for



guiding said strip, said guides being flared outwardly at the receiving ends thereof, means for fixedly adjusting one of said guides, and resilient means for urging the second guide toward said first guide.

2,458,525
METHOD AND APPARATUS FOR BRIGHTENING TIN PLATE
John S. Nachtman, Youngstown, Ohio
Application May 17, 1943, Serial No. 487,241
11 Claims. (Cl. 204—36)

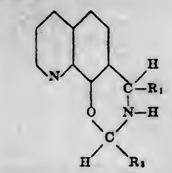


1. The method of continuously brightening steel strip electroplated with tin which includes the step of preheating the strip by passing the strip through a first body of liquid hydrocarbon heat conducting medium maintained at a temperature sufficient to preheat the tin to just below its melting point, then raising the temperature of the tin sufficiently to melt the tin while passing the strip through a zone containing a second body of liquid hydrocarbon medium, then quenching the tin by passing the strip through a third body of liquid hydrocarbon medium maintained at a temperature which will quench and solidify the tin, said bodies of heat conducting medium being in communication with each other for passage of the strip therebetween, and introducing the strip on its way to the first preheating body of medium through said third quenching body of medium in heat exchange relation therethrough with the quenched strip so as to utilize the heat absorbed by the quenching medium from the quenched strip to heat the incoming strip.

2,458,530
radiodic sweep currents alternating with retrace

2,458,526
MINERAL OIL COMPOSITION
Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 6, 1945, Serial No. 603,586
6 Claims. (Cl. 252—51.5)

1. An improved normally liquid hydrocarbon fraction selected from the group consisting of a normally liquid hydrocarbon fraction adapted for use as a fuel and a normally liquid hydrocarbon fraction adapted for use as a lubricant, said improved hydrocarbon fraction containing a minor proportion of a condensation product having the general formula:

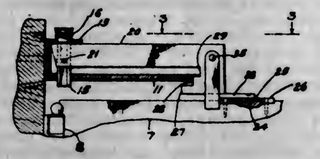


wherein R_1 and R_2 are aryl radicals.

2,458,527
MINERAL OIL COMPOSITION
Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 6, 1945, Serial No. 603,586
18 Claims. (Cl. 252—33.6)

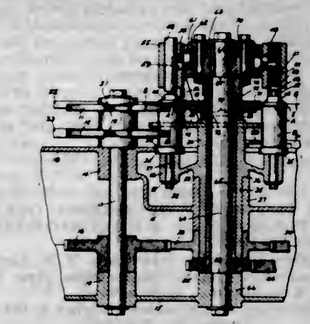
18. An improved mineral oil containing a minor proportion of a material selected from the group consisting of an oil-soluble, nitrogen-containing condensation product and a polyvalent metal salt of said condensation product; said product being obtained by reaction of an aldehyde, a hydroxy-aromatic carboxylic acid and a polyamine in which each amino group has at least one hydrogen atom, at a temperature falling within the range varying between about 20° C. and the reflux temperature of the reaction mixture and for a time sufficient to effect the condensation reaction; the ratio of reactants used on the basis of one molar equivalent of the aldehyde being at least about one-half molar equivalent of the polyamine and a sufficient amount of the hydroxy-aromatic carboxylic acid to provide about one molar equivalent of the hydroxyaromatic substituent thereof.

2,458,528
ADJUSTABLE DOOR HOLDER AND DOORSTOP
James E. Olvis, Glendale, Calif.
Application April 8, 1946, Serial No. 660,315
9 Claims. (Cl. 292—341)



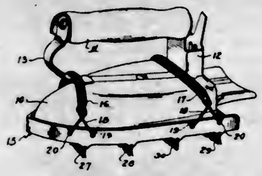
1. An adjustable door holder comprising a toothed, approximately semicircular segment mounted superadjacent to an upper corner of a door opening in a horisontally extending position, an upstanding mounting flange carried by the midlength portion of the straight side of said segment, said flange having an apertured lip extending laterally from it in an overhanging upwardly spaced relation to the segment, there being also an aperture through the segment in vertical alinement with the aperture of said lip, vertically movable means having a working fit in the apertures of said lip and segment, a swingable arm having an anchored end secured to said vertically movable means, the free end portion of said arm having a downward extension provided with a notch at times positioned to clear the teeth of the segment and a locking tooth subjacent to said notch at times positioned between adjacent teeth of said segment, and a spring normally holding said swingable arm up sufficiently to bring its locking tooth between adjacent teeth of said segment, said locking arm being manually depressible against the opposition of said spring thus to clear its tooth from the toothed portion of said segment preparatory to swinging the locking arm to a position for engaging its locking tooth with another part of the segment.

2,458,529
MECHANISM FOR CLINCHING COVERS ONTO CANS
Roland E. Renard, San Francisco, Calif., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 17, 1945, Serial No. 594,324
4 Claims. (Cl. 113—17)



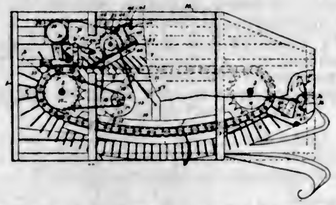
1. In a mechanism for clinching covers onto cans, the combination of a rotary can supporting member having means for positively rotating the same, separable can holding elements freely rotatable on fixed axes journaled on said member for removably engaging a can and its superimposed cover, means for positioning a can and cover between said holding elements, a clinching wheel journaled adjacent to and eccentrically of said rotating can supporting member, means for positively rotating said clinching wheel, and a universal connection between said clinching wheel and its rotating means for relative movement therebetween, the eccentric rotation of said wheel relative to said holding elements engaging its periphery with the can cover periphery while the cover and its can are bodily revolved with said supporting member to frictionally rotate the can and cover and said holding elements relative to said supporting member for clinching the cover on the can.

2,458,530
COMBING AND BRUSHING ATTACHMENT FOR SADIRONS
David Resnick, Los Angeles, Calif.
Application June 30, 1947, Serial No. 758,160
7 Claims. (Cl. 69—20)



1. In an attachment for sad irons, an angle iron skeletal shoe shaped to conform to the outline of the basal portion of a conventional sad iron, said shoe having a basal flange and a vertical flange upstanding from the outer margin of said basal flange, said vertical flange fitting around the basal part of the sad iron, brushes carried by and projecting downwardly from said basal flange, and means for detachably securing said shoe to a sad iron.

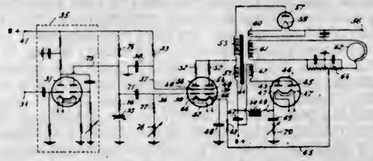
2,458,531
AUTOMATIC STOP FOR COTTON HARVESTERS
John D. Rust, Memphis, Tenn.
Application April 18, 1944, Serial No. 531,632
3 Claims. (Cl. 56—11)



2. In a cotton picking machine having a plurality of cotton gathering spindles, a set of stripping bars between which the spindles are drawn to receive cotton from the spindles and a rotary doffer located adjacent said bars in cooperative association with the bars and spindles; the invention which comprises a circuit closer having an element held in operative relation to said doffer for actuation by cotton on the doffer, a current generator for the power plant of the machine, and a connection between said circuit closer and said current generator by virtue of all of which when cotton accumulates on the doffer said circuit closer will ground said current generator.

2,458,532
CATHODE-RAY TUBE CIRCUIT
Kurt Schlesinger, New York, N. Y., assignor to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application August 7, 1946, Serial No. 688,895
11 Claims. (Cl. 315—27)

1. A high-efficiency deflection circuit for a cathode-ray tube having an associated deflecting coil for producing an electromagnetic deflecting field which comprises a sweep circuit including an electronic tube and associated anode circuit for supplying periodic sweep currents to said deflecting coil during sweep intervals, said periodic sweep currents alternating with retrace currents during relatively shorter retrace intervals, an anode power supply for said tube, a rectifier circuit coupled to said sweep circuit and connected to allow current flow during at least portions of said sweep intervals and to become substantially nonconductive during said retrace

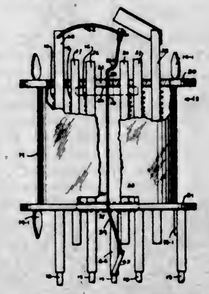


intervals, a first capacitor in said rectifier circuit connected to receive rectified current and develop a corresponding direct voltage, a second capacitor connected in shunt with said first capacitor through an inductance, said second capacitor being connected in said anode circuit in series with the anode power supply to supplement the voltage thereof.

2,458,533
MAGNESIA REFRACTORY
Robert A. Schoenlaub, Tiffin, Ohio, assignor to Basic Refractories, Inc., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 13, 1943, Serial No. 472,279
3 Claims. (Cl. 106—58)

3. Refractory matter comprising a ground magnesia-providing clinker having a large proportion of minus 200 mesh particles, volatilizing bonding means for the magnesia clinker at temperatures of 1000° to 1800° F. embodying 1–15 per cent of an agent which includes an element of the righthand column of periodic groups V and VI having atomic weight not less than sulphur nor greater than tellurium; and a small per cent each of a plasticizing agent and soluble silicate binder.

2,458,534
VIBRATION SUPPRESSING SUSPENSION FOR TENSIONED FILAMENTS OF ELECTRON SPACE CHARGE DEVICES
Paul Schwerin, White Plains, N. Y., assignor to Sonotone Corporation, Elmsford, N. Y., a corporation of New York
Application June 29, 1946, Serial No. 680,357
1 Claim. (Cl. 250—27.5)



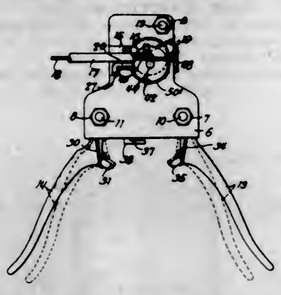
In an electrode assembly for an electron space-discharge device: a set of electrodes including at least one control electrode; said electrodes extend-

ing longitudinally generally parallel to a common axis; said electrode assembly including a generally-flat sheet-like insulating spacer extending transverse to said axis and supporting the projecting end portions of said electrodes in their spaced operative positions; a metallic filament constituting the cathode and having a mounting portion extending from one end of said filament; said spacer having a spacer perforation through which said mounting portion extends and the border edge of said spacer perforation being of a width which is a multiple of the thickness of said filament; said electrode assembly including a resilient tensioning element connected to said mounting portion for stretching the portion of the filament facing the other electrodes and for biasing a seating element of said mounting portion toward a seat portion of said border edge; the major part of the length of said mounting portion extending in a direction generally parallel to said common axis; a part of said mounting portion projecting through the perforation toward said tensioning element being offset in a direction transverse to the direction of its length for limiting and controlling the direction of the tensioning forces exerted thereby on said seating element whereby substantially the entire length of said seating element is held in engagement with the facing border edge of the spacer for imparting to the filament a vibration suppressing damping action.

2,458,535
MODIFIED HYDROCARBON COMPOSITIONS AND PETROLEUM DISTILLATES
Sol Shappirio, Washington, D. C.
No Drawing. Application December 29, 1943, Serial No. 516,119
5 Claims. (Cl. 252—54)

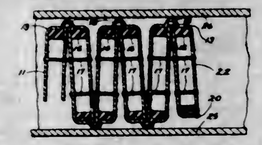
1. A petroleum distillate boiling above kerosene carrying a hydrogenated bacterial extract in an amount to exhibit antioxygenic properties for the distillate.

2,458,536
WIRE TERMINAL LOOP FORMER
C. Lawrence Sherman, Cherry Valley, Ill., assignor of one-half to Joe E. Tabor, Belvidere, Ill.
Application February 12, 1945, Serial No. 577,407
18 Claims. (Cl. 140—104)



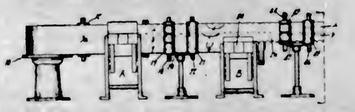
18. In a wire-bending device, the combination of a frame, wire-gripping means thereon, a rotary die, a slide slidable to a predetermined limited extent on the frame transversely with respect to the wire gripped by said gripping means rotatably supporting said die, a center pin projecting from said die and a companion pin on said die in radially spaced substantially parallel relation to the center pin between which the wire to be formed into a loop is adapted to be extended from the gripping means, a pinion for turning said die, a rack meshing with said pinion and reciprocable relative to said slide so as to transmit lineal movement to the slide to its limit position and thereafter turn the die through a predetermined angularity, and spring means for normally returning said slide to a retracted position.

2,458,537
FLEXIBLE WALL STRUCTURE
James J. Skelly, Cleveland Heights, Ohio
Application October 18, 1946, Serial No. 704,105
3 Claims. (Cl. 160—229)



1. In combination, a plurality of strips of resilient material with a U-shaped cross-section, the outline of which comprises a pair of base portions joined by a web portion, and a plurality of pairs of bent shapes with flanges to form L-shaped cross-section, each of said strips having each of its base portions enclosed between a pair of bent shapes, the flanges in said pairs of bent shapes being alternated so that each such base portion is overlapped by one of said flanges.

2,458,538
METHOD OF CUTTING BLANKS
John E. Socke, Pelham Manor, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 13, 1945, Serial No. 588,083
12 Claims. (Cl. 164—18).

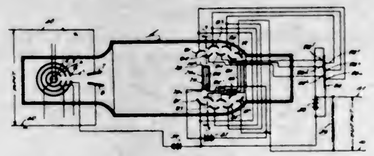


1. The method of cutting blanks from a strip of sheet material containing a plurality of parallel rows of potential blank spaces, which consists in providing a pair of rows of spaced gauging and feeding perforations disposed adjacent to and parallel with a row of said blank spaces, feeding the perforated strip longitudinally of said rows of perforations by engagement therein, and successively cutting blanks from the blank spaces in the different rows while reserving for final cutting the row of blank spaces adjacent the perforations, thereby insuring maintenance of perforations adjacent a rigid uncut portion of the strip for its complete feeding and gauging and until the last potential blank is removed from the strip.

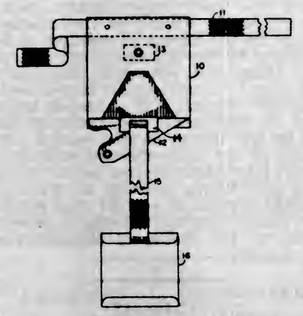
2,458,539
SECONDARY ELECTRON EMISSION TUBE
Walter Seller, Cincinnati, Ohio, assignor of one-half to William H. Woodin, Jr., San Mateo, Calif.
Original application August 19, 1943, Serial No. 499,260. Divided and this application August 28, 1944, Serial No. 551,513
4 Claims. (Cl. 250—27)

1. An electron tube system comprising an electron discharge device for propagating an

electron beam, means for controlling the angular sweep of the electron beam, a plate system disposed in the path of said electron beam, said plate system having a substantially V-shaped recess therein disposed on an axis transverse to the angular sweep of the electron beam a secondary electron emitting coating on said plate system, said coating varying from a minimum per unit section of said beam at substantially the central portion of the sweep path of said beam to a maximum at either of the limits of movement of said beam, a multiplicity of secondary electron collecting plates arranged in echelon with respect to each other and each provided with a secondary electron emitting coating thereon for multiplying the discharge of secondary electrons in a trajectory path shielded by the arrangement of said multiplicity of secondary electron collecting plates, an output circuit including the last of said secondary electron collecting plates and said plate system, and means for maintaining said secondary electron collecting plates at successively different positive potentials increasing according to the distance of said secondary electron collecting plates from said plate system.



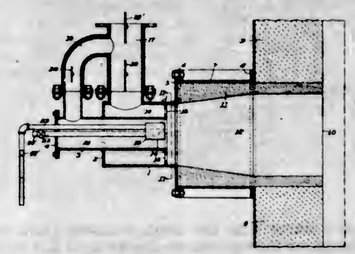
2,458,540
SHARK REPELLENT
Richard L. Tuve, Silver Spring, Md., John M. Fogelberg and Frederic E. Brinnick, Washington, D. C., and Horace Stewart Springer, Homestead, Fla.
Application October 7, 1944, Serial No. 557,716
5 Claims. (Cl. 167—16)



(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A carnivorous fish repellent composition consisting of a mixture of copper acetate, a highly water soluble dark colored dye and a water soluble wax binder.

2,458,541
LOW VELOCITY OIL BURNER
Norman J. Urquhart, Scenery Hill, Pa., assignor to Combustion Processes Company, a corporation of Pennsylvania
Application November 16, 1944, Serial No. 563,684
4 Claims. (Cl. 158—76)

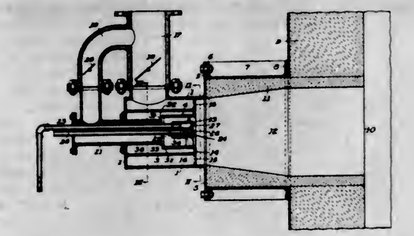


1. A low velocity oil burner comprising a chambered forwardly opening casing, a secondary air inlet duct including a chamber of said casing and having a forwardly directed opening therefrom, a combustion tunnel comprising a refractory wall surrounding the forward opening of said secondary air inlet duct and extending forwardly of the casing, a primary air inlet duct axially within the said casing and the said secondary air inlet duct and opening in the forward end of the casing into the said combustion tunnel, the said primary air inlet duct and secondary air inlet duct being arranged to supply an inner stream of low velocity primary air and a surrounding stream of low velocity secondary air for supporting combustion in the said tunnel, and a fluid projector structure in the said primary air inlet duct, said projector structure comprising a duct for high pressure gaseous fluid arranged to discharge a jet of gaseous fluid adjacent the forward opening of said primary air duct, means for supplying high pressure gaseous fluid to said duct therefor, an oil duct communicating with said duct for high pressure gaseous fluid to supply oil on the stream of gaseous fluid in the duct therefor adjacent the forward end thereof and supply oil to the outer surface of an expanding gaseous jet into the said combustion tunnel to give with surrounding primary air a primary core of fire blending with low velocity secondary air, the said refractory wall of the combustion tunnel being in direct heat exchanging relation with air and fuel issuing from said openings.

2,458,542
LOW VELOCITY OIL AND GAS BURNER
Norman J. Urquhart, Scenery Hill, Pa., assignor to Combustion Processes Company, a corporation of Pennsylvania
Application November 16, 1944, Serial No. 563,685
3 Claims. (Cl. 158—11)

1. The herein described method of producing a low velocity, luminous, unstratified combustion atmosphere comprising the steps of projecting a high velocity expanding gaseous jet within an expansion restraining heat-radiating bounding surface, supplying fuel oil to the outer surface of said expanding gaseous jet, substantially surrounding said expanding mixture of oil and gas with low velocity primary air and substantially surrounding said primary air with low velocity fuel gas, said primary air being sufficient to support combustion of a portion of said fuels, igniting and burning a portion of the said fuels and thereby producing a primary flame of high heat-

ing value, thereby highly heating said bounding surface by said primary flame, and surrounding the said primary flame with low velocity secondary air, whereby the heating effect of the



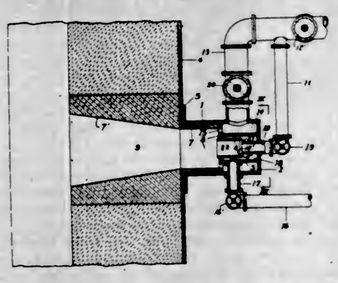
primary flame and the heat radiated from said bounding surface produces cracking of the excess of said fuels and restrained expansion of the several gases including the primary air, the secondary air and the cracked fuels.

2,458,543

LOW VELOCITY GAS BURNER

Norman J. Urquhart, Scenery Hill, Pa., assignor to Combustion Processes Company, a corporation of Pennsylvania

Application April 24, 1945, Serial No. 590,034
10 Claims. (Cl. 158—110)



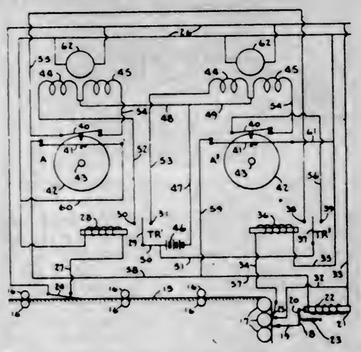
1. A low velocity gas burner comprising a rearwardly closed casing, a valved primary air inlet duct projected forwardly from the rear of the said casing, a tubular member forming a primary combustion and expansion chamber of greater diameter than said air inlet duct and extended forwardly from adjacent the forward end of the said duct, means forming a gas chamber in said casing around the wall of the said primary combustion and expansion chamber in communication with the said chamber at the rear thereof, a valved gas inlet duct in communication with said gas chamber in position to subject incoming gas to heat from the wall of the said primary combustion chamber, the said primary combustion chamber being dimensioned for incomplete combustion therein of the combustible mixture composed of the said primary air and preheated gas introduced at the rear thereof, means forming a secondary combustion chamber having a heat-radiating refractory wall arranged to receive expanding gases from the said primary combustion chamber and of cross-sectional area and length greater than that of the said primary combustion chamber to accommodate expansion of said gases, and a valved secondary air duct opening within the said casing and arranged to deliver secondary air to the said secondary combustion chamber around the expanding gases from the said primary combustion chamber.

2,458,544

TIMER FOR FOLDING APPARATUS

Thomas S. Watson, Milwaukee, Wis., assignor to Zephyr Laundry Machinery Company, Chicago, Ill., a corporation of Delaware

Application May 20, 1946, Serial No. 670,980
7 Claims. (Cl. 270—83)



1. In an apparatus for folding sheet material including a conveyor operating at a constant speed and folding mechanism including an electrically controlled folder to which the sheet material is fed by said conveyor, the combination of a movable timing member, an operating circuit for said folder including a folder control switch operated by said timing member, a pair of circuit closures spaced along the conveyor at a distance greater than that of the longest length of sheet material to be folded, the second of said closures being located adjacent said folder, each closure operable to close a circuit while in contact with an article of sheet material passing along said conveyor, electrically controlled means for moving said timing member in one direction at a speed proportional to that of the movement of the article by the conveyor and controlled by the closing of the first of said circuit closures by the full length of sheet material moving along the conveyor, electrically controlled means for moving said timing member in the opposite direction at a higher speed than that of its first mentioned direction and controlled by the closing of said second closure by a portion of the same sheet moving along said conveyor, said folder control switch being operated by said timing member at the end of its high speed movement to fold said sheet into a shorter length, said length being dependent upon the ratio of the speeds of movement of said timing member.

2,458,545

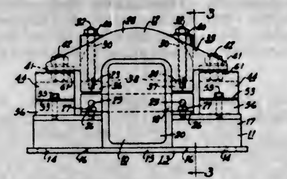
PERMANENT MAGNET VIBRATORY MOTOR

Carl S. Weyandt, Homer City, Pa.

Application December 19, 1946, Serial No. 717,146
6 Claims. (Cl. 172—126)

1. In a vibratory motor, the combination of a straight electromagnetic core member, a field winding mounted on the core with their axes coincident to provide spaced pole members when

the winding is energized with an alternating current supply, a massive permanent magnet armature providing a strong magnetic force, resilient means supporting the armature as an unloaded body in operative spaced relation rel-



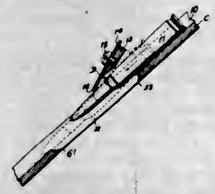
ative to the core member to permit the armature to vibrate with a greater amplitude and at the same frequency as the alternating current supply, a flat base, and means on the base at each end of the field winding to support the ends of the core.

2,458,546

APPARATUS FOR DISCHARGING FROM FEED CHUTES IMPROPERLY ORIENTED CARTRIDGES

John H. Woodberry and Frederick W. Hoewischer, Metuchen, N. J.

Original application July 24, 1942, Serial No. 452,174. Divided and this application May 26, 1945, Serial No. 596,073
2 Claims. (Cl. 209—72)



(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a round ordering device for case ammunition having a cartridge case with large base and reduced diameter shoulder, means to discard disordered rounds comprising an inclined chute having a bottom slot of a length less than that of a round, means to project rounds end first longitudinally therein at a speed sufficient to cause normally positioned rounds advancing nose first to cross the slot and move longitudinally therebeyond, and a deflector member positioned fixedly over the chute convergent to the chute bottom in the direction of movement of the cartridges with its proximal part intermediately of the length of the opening and spaced from a longitudinal projection of the chute bottom at the opening less than the major diametrical dimension of the cartridge case but more than the shoulder diameter of the cartridge case.

2,458,547

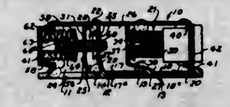
VALVE FOR OIL TEMPERATURE CONTROL UNITS

Weldon Worth, Dayton, Ohio

Application December 8, 1944, Serial No. 567,288
5 Claims. (Cl. 236—34)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An oil cooler valve for operative association with a cooler having an inlet, a by-pass outlet and a normal outlet, and also a by-pass section around the cooler, said valve comprising a body having an inlet and an outlet and having four chambers in series, three ports in said valve body to provide communication between any two adjacent chambers, the first chamber communicating with the cooler inlet, the second with the valve inlet, the third with the cooler by-pass outlet, and the fourth with the cooler normal outlet and the valve outlet, a valve member movably mounted in said body, spring means to normally hold the member in position closing the port between the second and third chambers, pres-



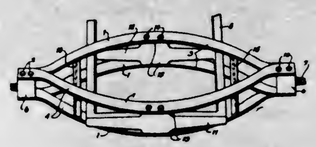
sure-responsive means in opposition to said spring means to move the member toward the port between the first and second chambers, and a thermal-responsive valve in the fourth chamber having an open position permitting oil to flow through the port between the third and fourth chambers and acting to reduce such flow when the temperature of the oil in said fourth chamber rises.

2,458,548

WHEEL SUSPENSION FOR VEHICLES

Charles N. Aronson, Niagara Falls, N. Y.

Application November 14, 1944, Serial No. 563,439
1 Claim. (Cl. 267—36)



The combination with the chassis frame of an automobile, and a pair of ground wheels, of a spring suspension for said wheels comprising flat bar leaves arranged in opposed pairs with the pairs straddling said chassis frame crosswise thereof, there being a single upper and lower leaf in each pair with flat sides confronting, and the pairs of leaves being arcuate edgewise intermediate the ends thereof with each pair arching edgewise away from the other pair, the ends of said pairs of leaves interlapping, blocks with wheel mounting spindles thereon interposed between said interlapping ends and rigidly connecting the same together, and means rigidly attaching the center portions of said pairs of leaves to said chassis frame with the remainder of said pairs of leaves clear of said chassis frame.

2,458,549

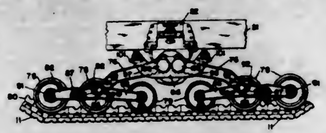
SUSPENSION SYSTEM

Benjamin B. Bachman, Philadelphia, and Donald J. Macklin, St. Davids, Pa.

Application December 11, 1945, Serial No. 634,280
15 Claims. (Cl. 305—9)

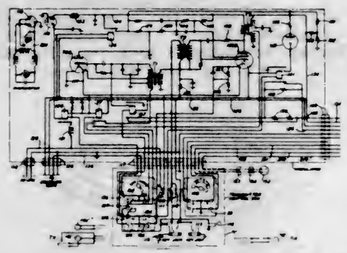
2. A vehicle of the class described, comprising a frame, a track, a plurality of groups of bogie wheels cooperating with said track, a bogie wheel suspension system comprising oppositely extending arms, means for supporting the adjacent inner

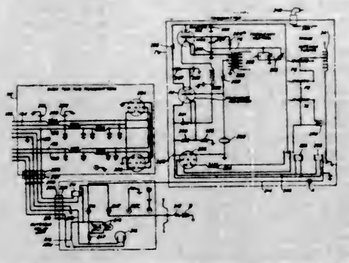
ends of said arms for oscillatory movement about axes extending transversely of the track, a group of bogie wheels associated with the outer end of each of said arms, means responsive to movement of the axis of a bogie wheel of a group for causing the outer end of the arm associated



with that group to pivot about the axis at the inner end of the latter arm and bearing means substantially encompassing the axes of said arms for supporting said frame for oscillatory movement, and means for supporting the axes of said arms for oscillatory movement about the axis of said bearing means.

2,458,550
TRAINER FOR ENABLING THE GIVING OF RADIO INSTRUCTION
Ernest L. Bauleh, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1944, Serial No. 567,446
10 Claims. (Cl. 35—14)





1. In a device for simulating the operation of radio transmitter, an oscillator for generating carrier frequency, means for controlling said frequency in accordance with signals which it is desired to transmit, tuning controls, an antenna current indicator, a source of current, and potentiometers operable by said controls for deriving a potential from said source and for applying it to said indicator whereby said indicator is operated in simulation of its usual operation in accordance with antenna loading in response to the actual tuning of the amplifier equipment of a regular radio transmitter.

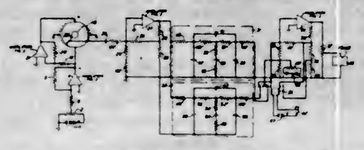
2,458,551
PREPARATION OF CARBON TETRAFLUORIDE
Anthony Francis Benning, Woodstown, N. J., Joseph Dal Park, Boulder, Colo., and Stanley Earl Krahler, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1947, Serial No. 729,420
10 Claims. (Cl. 260—653)

1. The process of preparing carbon tetrafluoride which comprises reacting a carbon tetrahalide, in which at least one halogen atom is chlorine and the rest of the halogen atoms are fluorine, in the vapor phase with at least a stoichiometric amount of anhydrous hydrogen fluoride in the presence of a catalyst of the group consisting of CrF_3 and FeF_3 at temperatures of from 700° C. to about 1000° C. for at least 8 seconds, and separating the carbon tetrafluoride.

2,458,552
METHOD OF MAKING ELECTRICAL CONTACTING ELEMENTS
David G. Blattner, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application December 26, 1943, Serial No. 514,943. Divided and this application November 9, 1946, Serial No. 708,855
7 Claims. (Cl. 29—155.55)

1. The method of manufacturing sheets of composite material from which bank terminal wipers having a noble metal contacting tip and a base metal shank may be punched comprising assembling a noble metal bar of a trapezoidal cross-section with a base metal bar located against at least one of the slanting sides of said noble metal bar, bonding said bars together and rolling said composite bar lengthwise until a thin flexible sheet is obtained wherein the bonding surface between said noble metal and said base metal is at an acute angle with the plane of said sheet.

2,458,553
ELECTRONIC COMPUTING DEVICE
William H. Boghosian, Forest Hills, and Henry G. Och, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 23, 1944, Serial No. 523,514
6 Claims. (Cl. 250—27)

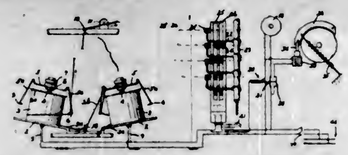


1. In a computer, a source of voltage, means connected to said source and adusted to draw from said source a voltage proportional to varying with a measured quantity, a first feedback amplifier having an input and an output circuit, a capacitor and a resistor connected in serial relationship from said means to the input circuit of said first amplifier, a second feedback amplifier having an input and an output circuit, and a network connected from the output circuit of said first amplifier to the input circuit of said second amplifier, said capacitor and resistor and said network being so proportioned that the indicial admittance to said voltage varies from zero through a single maximum to zero, and the output of said second amplifier is a smoothed, weighted average of the rate of change of the voltage drawn from said source.

2,458,554
PROCESS FOR TREATING FATTY OILS
Don Shelden Bolley, Brooklyn, and Edwin Charles Gallagher, Freeport, N. Y., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 18, 1945, Serial No. 623,166
3 Claims. (Cl. 260—424)

1. A method for refining fatty oils which comprises admixing between about 0.045% and 5.0% by weight of sulfuric acid having a concentration between about 10% and 75% with an impure fatty oil, incorporating bleaching earth in the oil-acid mixture, heating it to a temperature between about 90° C. and about 120° C., allowing the oil to remain in contact with the acid and bleaching earth for a sufficient length of time to effect a refinement of the oil, and separating the so-treated oil from the bleaching earth.

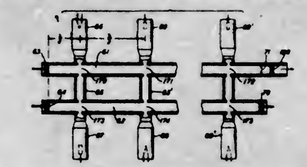
2,458,555
WINDING SYSTEM AND APPARATUS
René Bouvet, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 19, 1945, Serial No. 617,225
12 Claims. (Cl. 28—51)



1. In apparatus for winding thread and the like from wound packages, stationary supporting means for a wound supply package, flyer means carried by the support and having thread guide means arranged to receive the thread unwinding from the package and to turn about the package in response to the passage of the thread with respect thereto, electric braking means for bringing the flyer means to a stop, driven take-up means for winding the thread into a package, means for stopping the take-up means, and means for operating the braking means upon stoppage of the take-up means.

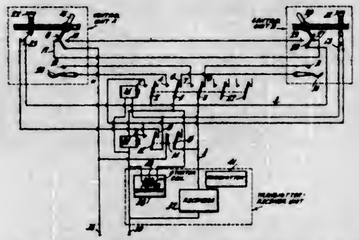
2,458,556
COUPLED CAVITY RESONATOR AND WAVE GUIDE APPARATUS
Arnold E. Bowen, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application April 8, 1941, Serial No. 387,432. Divided and this application March 5, 1942, Serial No. 433,485
13 Claims. (Cl. 315—6)

5. In a coupling system, two wave guides each closed at one end and having their closed ends in proximity to each other, means defining a half-wave resonator in each of said wave guides at the respective closed end, means for positioning said wave guides with the regions of maximum electric intensity of the respective resonators substantially adjacent, beam forming means providing a path through said resonators for



projecting an electron stream through the said resonators of both of said guides, and spacing means comprising a hollow member separating said guides and surrounding said electron path to provide a drift space for said electron stream between said respective resonant end sections.

2,458,557
DUAL CONTROL AND LOCKOUT MEANS FOR TELEPHONE STATIONS
George G. Bradley, Great Neck, and Harry F. Mohr, Lynbrook, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application June 26, 1946, Serial No. 679,344
8 Claims. (Cl. 179—38)



1. Switching equipment for a radio-telephone installation of the type which provides that a call may be initiated or responded to at either of two operating stations A and B, the main assembly of components of said installation being situated at a location remote from each of said stations, said equipment comprising a first relay, at said location, energizable under control of a push-button switch located at station A and de-energizable under control of another push-button switch located at station B, said first relay constituting means for transferring control from station B to station A, a hand-set hook switch at each station, and a second relay, at said location, energizable in response to the closure of the hook switch at the station from which control is effective, said second relay having contacts through which circuits are established for protecting the used station against interference by the unused station.

2,458,558
RADIOTELEPHONE EQUIPMENT
George G. Bradley, Great Neck, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 26, 1946, Serial No. 686,265
17 Claims. (Cl. 250—6)

1. In a selective switching arrangement for a radio-telephone installation, a multiple-position

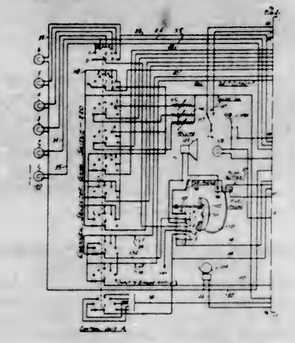
gang switch the wipers of which have selected po-

of the casing and having its inner end positioned

2,458,562

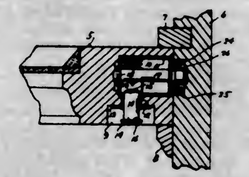
said side member moving means to selectively

gang switch the wipers of which have selected positions each corresponding to a selected communication channel, a plurality of receiving units each having one amplifier stage and each differently tuned to one of the channel frequencies to be used, an audible responsive device, volume regulators, and gain control circuits one of each corresponding to one amplifier stage in each of said receiving units, said gang switch being con-



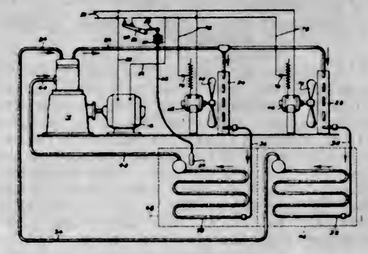
nected to said amplifier stages, said response device, and said volume regulators and gain control circuits, said gang switch being operable: (1) to connect a gain control circuit to the corresponding amplifier stage of the selected receiving unit through said volume regulator, (2) to connect the same selected receiving unit to said audible responsive device, and (3) to disconnect the gain control circuits from the remaining receiving units, thereby to silence the same.

2,458,559
WINDOW SASH LOCK
Rex O. Britton, Lebanon, Oreg.
Substituted for abandoned application Serial No. 83,575, June 4, 1936. This application September 1, 1945, Serial No. 613,974
1 Claim. (Cl. 292—214)



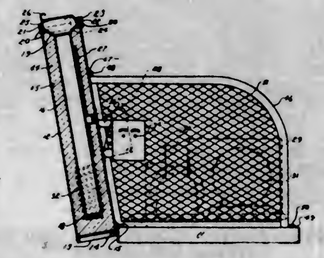
A device of the character described comprising in combination a casing, a rotary shaft extending through said casing and having its opposite ends journaled in the opposite end walls of said casing, a cross head on one end of said shaft and outside of the corresponding end of the casing, a lever on the opposite end of said shaft within the casing, an expanding spring operating between one side of the casing and said lever and normally positioning said shaft and said head in the locking position, and a push button mounted through the opposite side of the casing and having its inner end positioned to operatively engage said lever when said push button is pushed inwardly to turn said shaft and said head out of locking position.

2,458,560
TWO TEMPERATURE REFRIGERATION APPARATUS
Leslie B. M. Buchanan, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1946, Serial No. 690,158
7 Claims. (Cl. 62—3)



1. In refrigerating apparatus including refrigerant vapor compressing means and two evaporators connected to the inlet means of said compressing means, the combination with said evaporators of two condensers connected in parallel to the outlet means of said compressing means and two capillary flow-impeding tubes, one of said tubes conducting refrigerant from only one of said condensers to only one of said evaporators and the other of said tubes conducting refrigerant from only the other of said condensers to only the other of said evaporators.

2,458,561
PLATE DEVELOPER
James T. Campbell, Detroit, Mich.
Application October 31, 1945, Serial No. 625,712
3 Claims. (Cl. 257—4)

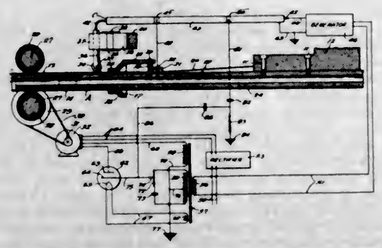


1. A plate developer comprising a base, a refrigerating mechanism supported thereon, a hollow rectangular angularly arranged frame secured thereto, a hollow developing tank suspended within said frame in insulated and spaced relation thereto, cooling means secured to the wall of said tank and joined to said refrigerating mechanism, and heating means positioned around a portion of said tank.

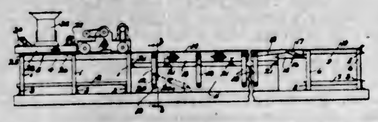
2,458,562
PROCESS FOR PRODUCING A MOLDING MATERIAL AND THE ARTICLE PRODUCED
James Andrew Clark, White Plains, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,104
4 Claims. (Cl. 260—742)

1. A composition comprising a substantially dry and neutral, vulcanizable molding powder, the particles of which comprise a coagulated mixture of 1 to 12 parts by weight of an alkali-soluble, water-insoluble cellulose ether, 2 to 12 parts by weight of rubber, 0.1 to 1 part by weight of vulcanizing material, and an amount of a filler between 10 and 200 percent by weight of the other solids.

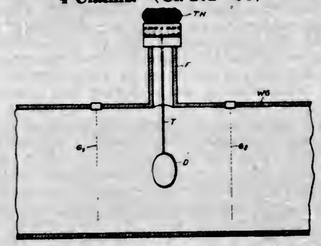
2,458,563
TUBE-FORMING DEVICE
Fred V. Collins, Des Plaines, Ill., assignor to William F. Stahl, Kenilworth, Ill.
Application December 31, 1947, Serial No. 794,848
10 Claims. (Cl. 154—42)



1. Apparatus for forming tubes from fusible flat web material, comprising a mandrel, means including a variable speed motor for advancing said web forwardly of said mandrel and into tubular form, means including a co-axial cable for subjecting the edge portions of said tube to the action of high frequency radio waves to fuse said portions, and a gaseous discharge tube controlling said motor and coupled to said co-axial cable for regulating the speed of said motor.

2,458,564
CEMENT SLAB MOLDING MACHINE
Benjamin G. Cooper, Holland, Mich., assignor to W. E. Dunn Manufacturing Company, Holland, Mich., a corporation of Michigan
Application January 4, 1947, Serial No. 720,203
11 Claims. (Cl. 25—42)

1. An apparatus of the type described, a horizontally located bottom pallet, supporting means therefor, vertically positioned side members, one at each longitudinal side edge of the pallet disconnected therefrom, means for mounting said side members on the supporting means for movement thereof into an upper operative position at the side edges of the pallet and to a lower inoperative position wherein said side members are located below said pallet, means for operating said side member moving means to selectively locate said side members at either of said positions, said side members, at the upper longitudinal edges thereof, having track sections the length thereof over which material depositing and material compressing and smoothing apparatus are adapted to be moved, and a second supporting means located at one end of and beyond said side members and pallet, having similar tracks alined with the tracks on said side members when they are in their upper position, said second supporting means having a length such that the material depositing and material compressing and smoothing apparatus may be located wholly thereabove.

2,458,565
APPARATUS FOR MEASURING FIELD INTENSITY IN HIGH-FREQUENCY ELECTRIC FIELDS
Edward Cecil Cork, Ealing, London, England, assignor to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application April 18, 1945, Serial No. 589,067
In Great Britain September 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 25, 1961
4 Claims. (Cl. 171—95)



1. Apparatus comprising a section of an electric wave guide and means for obtaining an indication of the intensity of the electric field in said section if high-frequency electric waves exist therein, said means comprising an element responsive to said field and of small dimensions compared with the diameter of said guide and mounted so as to be capable of angular displacement about an axis within said guide and capable of being positioned within said section so as to be subjected to a couple about said axis due to said field, the magnitude of said couple affording an indication of the intensity of the electric field said element being a conducting disc arranged to be capable of angular movement about an axis lying in its own plane and at right angles to the direction of said field, said disc being also arranged so that a line perpendicular to its plane is inclined at an angle substantially 45° to the direction of said field, said apparatus including means for applying an opposite couple to said disc so as to restore it to its original position after deflection by said electric field.

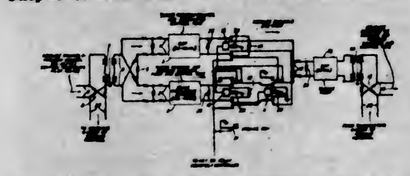
2,458,566
DISTORTION REDUCTION IN CHANNEL SWITCHING
Leslie R. Cox, Rutherford, and George H. Huber, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 31, 1948, Serial No. 5,564
9 Claims. (Cl. 178—44)

1. In combination, a source supplying at least two different types of signals, two transmission

operating between one side of the casing and said lever and normally positioning said shaft and said head in the locking position, and a push button mounted through the opposite side

relation thereto, cooling means secured to the wall of said tank and joined to said refrigerating mechanism, and heating means positioned around a portion of said tank.

paths fed in parallel from said source, one of said paths being adapted to effectively block transmission of signals of one of said types and to transmit the other types of supplied signals, the other transmission path being adapted to transmit all of the supplied signals including said one type, a third transmission path, relay switching means having make-before-break switching contacts associated with the outputs of said two transmission paths and said third transmission path, which contacts in one condition of operation of said relay switching means connect the output of said one path to said third path and effectively disconnect the output of said other path therefrom and in another condition of operation of said relay switching means connect the output of said other transmission path to said

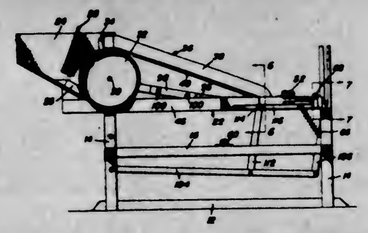


third path and effectively disconnect the output of said one transmission path therefrom, means for causing said relay switching means to be operated to said one condition or to said other condition and other means for reducing signal distortion due to the temporary increases in transmission to said third transmission path during the short time intervals in which said one and said other transmission paths are connected in parallel between said source and said third transmission path when said relay switching means is operated to said one or to said other condition comprising means for introducing a suitable compensating attenuation in the signals transmitted from said one and said other transmission paths to said third transmission path during said short time intervals only.

2,458,567
COMBINATION BAG AND SPECTACLE CASE
Martha K. Cramer, New York, N. Y.
Application August 14, 1945, Serial No. 610,836
2 Claims. (Cl. 150—35)

2. A device of the character described comprising a longitudinal blank of pliable material which is folded first upon itself along a middle folding line, and then the thus obtained double layer of said blank is again folded upon itself so that two adjoining sections of it form a box plait adjacent a portion of the blank, the two longitudinal edges and one short edge of said box plait being secured to the blank so as to form a longitudinal pocket which has a short open edge portion, while the lateral edges of the remainder of the blank are secured to one another so as to form a bag having an open upper longitudinal edge portion, those edge portions of said blank which are to be left open being provided with flap portions, all substantially as described.

2,458,568
POTATO SEED CUTTER
John A. Cummings and Frank B. Cummings, Bangor, Maine; said Frank B. Cummings assignor to said John A. Cummings
Application March 19, 1948, Serial No. 15,904
2 Claims. (Cl. 146—78)

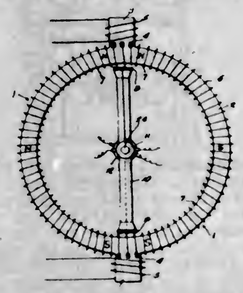


1. A potato seed cutter comprising a frame having a bed, a plurality of longitudinal bars on said bed forming channels for feeding potatoes in separate paths across said bed, a dispensing drum for selectively and simultaneously supplying potatoes to said channels, a motor mounted on said frame, means operatively connecting said motor to said dispensing drum for driving said drum, a potato-directing finger slidably mounted in said bed extending vertically into each of said channels, a stationary vertical knife in each channel supported by said bed for longitudinally halving potatoes passing thereby, adjustable centering means in each channel carried by said bed intermediate the directing finger and the stationary knife, slots in said frame beyond said stationary knives at the discharge end of said channels, a vertical blade slidably mounted in said slots extending transverse all of said channels for transversely dividing said potatoes, and adjustable means operatively connecting said blade to said dispensing drum for reciprocating said blade in said slots, said adjustable centering means including a bar extending transversely of said bed and overlying said channels, springs removably secured to the ends of said bar and to said frame, vertical spring members depending from said bar and extending into said channels, and angulated horizontal spring members depending from said channel bars and also extending into said channels, said reciprocating means including crank arms rotatably mounted on said drum, adjustable connecting links pivotally secured to said crank arms, longitudinal slots in said bed, a rod extending transversely of said channels and extending through said slots pivotally secured at its extremities to said adjustable links, a pair of pivotal arms carried by said frame, pitmans connecting said pivotal arms to said blade, and link means connecting said transverse rod to said pivotal arms for simultaneous actuation of said blade and said transverse rod.

2,458,569
DYNAMOELECTRIC MACHINE
Archibald M. Cummings, Port Angeles, Wash.
Application December 1, 1944, Serial No. 566,205
2 Claims. (Cl. 171—252)

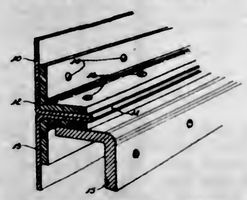
2. A dynamo electric machine comprising a rotating shaft, a rotating member mounted

thereon, contact brushes mounted on said rotating member, slip rings on said rotating member and fixed contacts cooperating therewith for supplying said contact brushes with current, a closed annular stator, provided with two outwardly projecting radial projections in diametrically opposed positions, said projections being provided with spaced passages, a continu-



ous closed field winding encircling the stator, with those turns arranged near the radial projections passing through the spaced passages of the said projections, said closed field winding being adapted for a sliding contact of its turns with the aforesaid brushes along a circumferential line, a further winding on each of said projections and means for supplying the slip ring contacts with current.

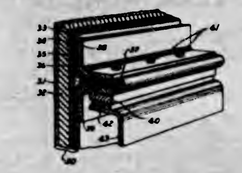
2,458,570
MOUNTING FOR FLUID CONTAINERS
William L. Davidson and Hubert W. Lewis, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 9, 1945, Serial No. 576,974
3 Claims. (Cl. 248—200)



1. A fluid container for a vehicle, said container comprising a hollow body having a wall comprising a plurality of layers of fabric, at least one of the outer layers of fabric having a portion folded upon itself to form an outwardly extending fold adapted to support substantially the entire weight of said body and contents, and means for supporting said body from a frame of said vehicle, said means comprising a clamping means for clamping said fold to said frame.

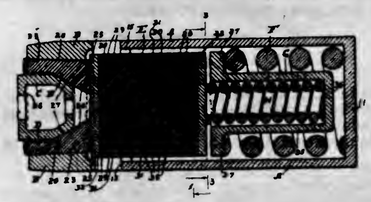
2,458,571
RESILIENT MOUNTING FOR FLUID CONTAINERS
Paul J. Dasher, Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application February 16, 1945, Serial No. 578,331
3 Claims. (Cl. 248—358)

1. In combination, a fluid container for attachment to a vehicle and means for supporting said container from a frame of said vehicle, said means comprising a rigid plate member attached to a wall of said container and extending outwardly therefrom, a second rigid plate member attached to a frame of said vehicle and having



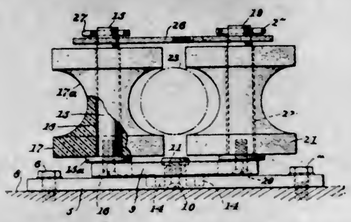
its surface in substantially parallel relationship with the surface of said first-mentioned plate member, and a body of rubber-like material disposed between said plate members and secured thereto, said supporting means constituting the sole support for said container.

2,458,572
FRICTION SHOCK ABSORBING MECHANISM FOR RAILWAY DRAFT RIGGINGS
Arnold E. Dentler, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application August 9, 1946, Serial No. 689,386
11 Claims. (Cl. 213—24)



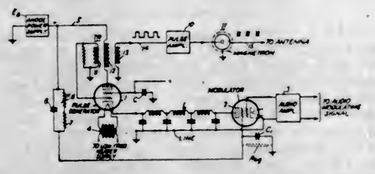
7. In a friction shock absorbing mechanism, the combination with a casing open at its front end and closed by a transverse wall at its rear end; of a friction shell having limited movement lengthwise toward and away from said open end of the casing; a wedge member adapted to receive the actuating force; friction shoes having sliding frictional engagement with the casing and wedging engagement with said wedge member; a rubber cushioning element within the casing bearing at its front end on said shoes; a floating spring follower thimble having a follower flange at its front end, said thimble being closed at its rear end, said flange being normally spaced from the cushioning element and engageable thereby after a predetermined compression of the mechanism; a main spring bearing at its front and rear ends, respectively, on said flange and the rear wall of the casing, said main spring normally holding the thimble with the rear end thereof spaced from the rear end wall of the casing, the normal clearance between said thimble and rear wall of the casing being greater than the normal clearance between the flange of the thimble and the cushioning element, and said combined clearance being less than the total movement of the friction shell with respect to the casing; and a preliminary spring extending into the thimble and having its front and rear ends bearing on said cushioning element and closed end of the thimble, respectively, said preliminary spring being under initial compression.

2,458,573
INSULATED CABLE AND ROPE SPOOLING GUIDE
Howard Donahue, Allais, Ky.
Application June 18, 1945, Serial No. 600,208
1 Claim. (Cl. 254—190)



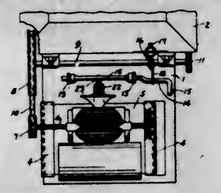
A safety roller guide for cables, comprising a stationary base member, a bar pivoted to the base member midway of its ends and provided with diagonal arms having lateral terminal stops to engage the base member, a shaft secured to each end of the bar, a ceramic spool provided with a central metal tube mounted on each shaft, a fibre plate mounted on the shafts, and cotter pins extending across said shafts to retain the fibre plate on said shafts and thereby prevent the upward displacement of the spools, said spools having deep cable receiving grooves.

2,458,574
PULSE COMMUNICATION
Orville E. Dow, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 10, 1943, Serial No. 482,578
20 Claims. (Cl. 179—171.5)



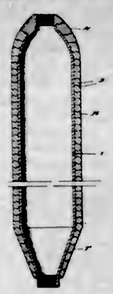
1. In a radio system having an electron discharge device, a pulse generator provided with a cathode, and a line of predetermined length having two ends, said line being connected at one end between said cathode and ground, method of generating a train of pulses which are each of short duration compared to the time interval between them, which includes initiating a voltage wave at the cathode end of said line at the start of current flow in said device, reflecting said wave from the other end of the line in a cophasal relation with the wave first traveling down the line to produce a resultant voltage of a magnitude appreciably greater than the initial voltage and in such sense as to completely extinguish the pulse at the time the reflected wave reaches said cathode end of the line, to thereby charge the capacity of the line at the value of said resultant voltage, and dissipating said voltage charge on the line in accordance with modulating potentials, whereby the reptition rate of the pulses generated by said device varies as a functional relation to said modulating potentials.

2,458,575
BELT TIGHTENING MEANS FOR ENGINE UNITS
Earl H. Ensinger, Cleveland, Ohio
Application December 11, 1944, Serial No. 567,631
8 Claims. (Cl. 74—242.13)



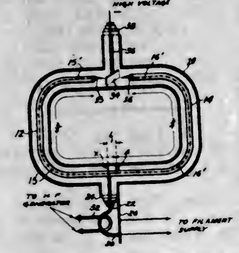
1. In combination, a machine unit, guide means thereon, an engine comprising a base removably engageable with said guide means so as to be displaced from the machine unit and including a driving pulley, an operable arm carried by the engine, an operating device on the machine unit including a shaft, a lever to turn said shaft, a moving arm on the shaft detachably interlocked to the said operable arm to move the engine when the lever is actuated, holding means detachably engageable with the shaft to hold the engine stationary in the guides, a pulley on the machine unit, and a belt to connect said pulleys.

2,458,576
FRAGMENTATION BOMB
Nicholas L. Etten, Waterloo, Iowa, assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application October 4, 1943, Serial No. 504,915
2 Claims. (Cl. 102—2)



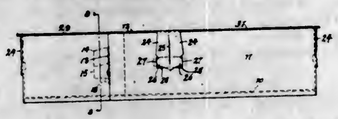
1. A fragmentation bomb casing comprising a thin-walled inner tube of malleable metal, said tube comprising an undeformed body portion and being diminished at the front end to a streamlined contour terminating in a point portion, a heavy malleable wire coil of substantially quadrilateral cross-section coiled on said tube including the diminished portion thereof, said wire being of a material readily frangible on explosion, the inner surface of said coil completely covering and contacting substantially all points of the outer surface of said tube adjacent said coil, the outer surface of said coil being formed to a smooth unbroken surface conforming generally to the streamlined contour of the inner tube, and the adjacent turns of said coil being in contact at substantially all points between the inner and the outer surfaces thereof to define lines of cleavage, the cross-section of the convolutions on said front end being of greater area than on the undeformed body portion.

2,458,577
HIGH-POTENTIAL POWER SUPPLY
John Evans, Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application July 2, 1945, Serial No. 602,814
15 Claims. (Cl. 315—39)



1. A power supply system including means for coupling high frequency energy at low potential to said system, an evacuated casing having therein a pair of transmission line sections, each including a conductor having an electrical length equal to one quarter of the operating wavelength of a source of high frequency energy, with which said system is adapted to be operated, said line sections each being short circuited at one end, said coupling circuit introducing said energy into said lines near said one end, said conductors each carrying an electron emitting cathode at their free ends, and an anode structure in operative association with said cathodes.

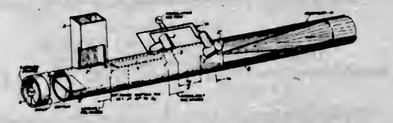
2,458,578
FOLDING BOX
Guy John Evans, Buffalo, N. Y.
Application May 31, 1946, Serial No. 673,532
1 Claim. (Cl. 229—41)



A holding box comprising a wall having opposing ends which overlap one another, and means for connecting said ends including a vertical slit formed in one of said wall ends, a tab arranged on the other wall end and projecting through said slit from one side of the respective wall to the other and engaging with opposite ends of said slit and also provided on its central part with a locking lip which is bent laterally relative to the tab and across the rear edge of said slit, and a retaining lug which is arranged on the rear edge of said slit and in a plane which is located between the plane of the tab and the plane of said locking lip, whereby the latter is prevented by said retaining lug from unfolding and the tab is prevented from being withdrawn from said slit.

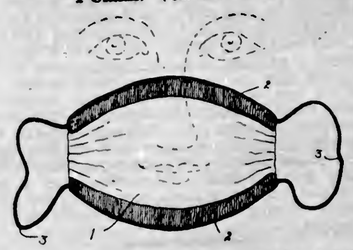
2,458,579
MICROWAVE MODULATOR
Carl B. H. Feldman, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 26, 1945, Serial No. 590,367
38 Claims. (Cl. 179—171.5)

1. In a wave guide modulator for microwaves, a cylindrical wave guide, a source connected thereto for propagating a linearly polarized carrier wave therein, means in said guide adapted to convert the carrier wave into a circularly polarized wave, means for reflectively modulating the circularly polarized wave without reaction upon



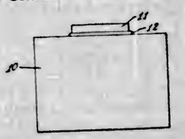
the carrier source, and a branching wave guide connected to said cylindrical guide between said source and polarization converting means for segregating and propagating the linearly polarized, modulated wave in a direction perpendicular to said cylindrical guide's principal axis.

2,458,580
MASK
Henry D. Fisketti and Joseph Gaeton Lenta, Duluth, Minn.
Application April 18, 1945, Serial No. 588,902
1 Claim. (Cl. 128—146)



A form fitting face mask comprising a central substantially elliptically shaped body portion, resilient yieldable binding strips fixed to the upper and lower side portions of said body, and elastic ear-encircling bight members fixed at each opposite end to its respective end of said yieldable binding strips whereby to provide yieldability throughout the extreme outer edges of the assembly.

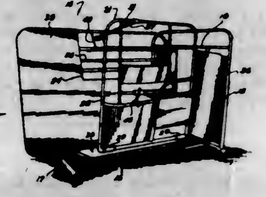
2,458,581
SUPERSONIC INSPECTION
Floyd A. Firestone, Washington, D. C., and Julian R. Frederick, Ann Arbor, Mich., assignors to Sperry Products, Inc., Hoboken, N. J., a corporation of New York
Application May 21, 1946, Serial No. 671,347
4 Claims. (Cl. 73—67)



1. In the supersonic inspection of a solid object whose surface may be rough, in which supersonic waves are transmitted by a piezo-electric crystal into the object, a coupling between the crystal and the object comprising a fluid film which is unavoidably relatively thick because of the roughness of the object's surface and a sheet of solid material in the film of greater density than the film so as to divide the film into two

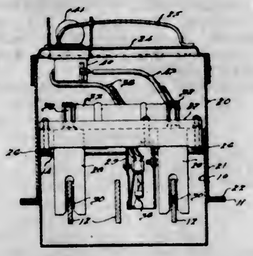
layers, one between the crystal and the solid sheet and the other between the solid sheet and the object, the said sheet being thin compared with the wave length in it of the supersonic waves.

2,458,582
CATTLE RESTRAINING DEVICE
Henry Flehr, Jr., Saratoga, Wyo.
Application November 8, 1946, Serial No. 708,485
4 Claims. (Cl. 119—163)



1. A cattle restraining device comprising in combination, a framework including a base, an upright wall at one end of said base, and an elevated support associated with said base and said wall, said wall being formed with an opening constituting a passage, a holder comprising a pair of spaced side members and a floor section secured to one of said members, the remaining member being hinged to said section, said holder normally communicating with said passage and being tiltable to a substantially horizontal position in contact with said support, means for releasably locking said side members in a predetermined, spaced relation, and means for automatically closing said passage upon tilting of said holder.

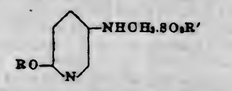
2,458,583
PROTECTIVE DEVICE FOR USE WITH ENCLOSED BUS BAR DISTRIBUTION SYSTEMS
William H. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich.
Continuation of application Serial No. 513,145, December 6, 1943. This application July 1, 1947, Serial No. 758,251
8 Claims. (Cl. 175—294)



1. For use with an enclosed bus bar distribution system comprising an enclosing casing surrounding bus bars and having numerous access apertures in the wall thereof at spaced points for receiving plug-in devices, a plug-in device comprising a support, means for removably mounting it on the outside of the casing at an aperture, projecting members mounted on the support and projecting from it so as to be insertable into the casing through such aperture, certain of the projecting members being formed as contact fingers to engage and make contact with the bus bars in the casing, another of the projecting members being in the form of a thermally responsive switch adapted to respond to the temperature within the casing near the bus bars, an electrically energizable protective means, and connections for connecting said contact fingers in series through said protective means and said switch, whereby such protective means may be energized by said bus bars through said contact fingers and switch.

2,458,584
METHYLENE SULFONATE DERIVATIVES OF ALKYL COMPOUNDS AND ARYL COMPOUNDS
Harris L. Friedman, New York, and Leo D. Braitberg, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York
No Drawing. Application June 29, 1945, Serial No. 602,404
6 Claims. (Cl. 260—296)

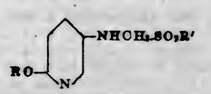
1. Compounds having the general formula:



in which R is a member selected from the group consisting of alkyl radicals having not more than eight carbon atoms and aryl radicals and in which R' is a member selected from the group consisting of hydrogen and alkali metals.

2,458,585
AMINOPYRIDINE COMPOUNDS
Harris L. Friedman, New York, and Leo D. Braitberg, Yonkers, N. Y., assignors to Pyridium Corporation, Yonkers, N. Y., a corporation of New York
No Drawing. Application June 29, 1945, Serial No. 602,405
6 Claims. (Cl. 260—296)

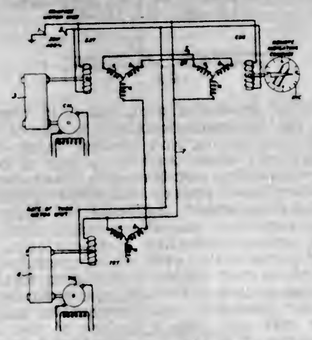
1. Compounds having the general formula:



in which R is a member of the group consisting of alkyl radicals and alkoxyalkyl radicals having not more than eight carbon atoms and aryl radicals and R' is an alkali metal.

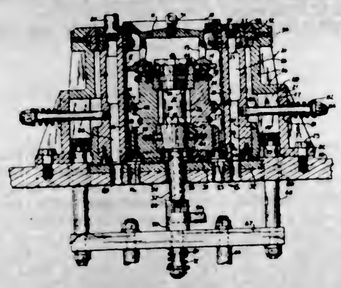
2,458,586
SELF-SYNCHRONOUS SYSTEM
Henry A. Giroud, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1945, Serial No. 622,064
2 Claims. (Cl. 318—24)

2. In a telemetric system a transmitter and a receiver each having a rotatable rotor winding and three stator windings connected in a three-phase space relationship, a source of alternating current for energizing the rotor windings of said transmitter and said receiver, conductors interconnecting the corresponding windings of said transmitter and receiver whereby the rotation of the rotor winding of said transmitter is effective to cause a corresponding rotation of the rotatable rotor winding of said receiver, a rotary transformer having its stator winding included in series



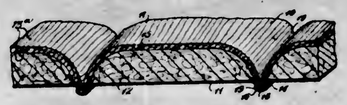
with one of said conductors and having its rotor winding energizable from said source, and means for rotating the rotor of said transformer to produce a variable phase shift between said transmitter and said receiver.

2,458,587
APPARATUS FOR TREATING HOLLOW BODIES
Joseph Gogan, Lakewood, Ohio
Application January 31, 1945, Serial No. 575,517
2 Claims. (Cl. 153—10)



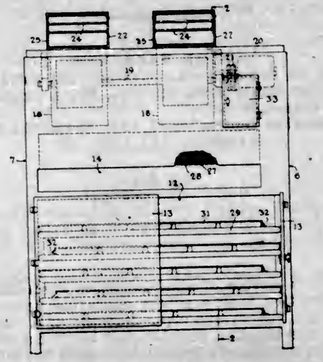
1. In apparatus of the character described, a base plate, a guide ring fixed to said base plate on one side thereof with its axis extending substantially normal thereto, an annular group of segments defining a contractible hollow die located within and extending substantially coaxially of said guide ring, said segments being movable substantially radially of said guide ring and being slidably supported on said base plate, an actuating ring disposed between said segments and guide ring and being axially slidable in the latter, said actuating ring and segments having cooperating tapered thrust portions for causing contraction of the die in response to axial movement of the actuating ring, a power device located on the other side of said base plate, means extending through said base plate and operably connecting the power device with said actuating ring for transmitting thrust to the latter, the tapered thrust portions of said segments being spaced apart axially of the hollow die and being located adjacent the ends of the segments, and spring-actuated die expanding means engaging said segments at a point between the tapered thrust portions thereof and acting on the segments to constantly hold their tapered thrust portions in engagement with the tapered thrust portions of said actuating ring.

2,458,588
UPHOLSTERY PAD
Le Roy Gordon, Richmond, Mich., and Leo L. Williams, Cleveland Heights, Ohio
Application November 10, 1945, Serial No. 627,876
6 Claims. (Cl. 154—54)



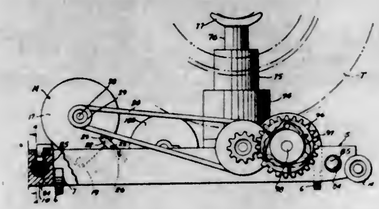
2. Upholstery padding comprising, a backing sheet, a layer of batts on said backing sheet and disposed in coextending contiguous relation to each other, a cover sheet extending over the batts, said cover and backing sheets having gathers therein forming pleats at points between and coextensive with said batts, and rows of stitching connecting said sheets between said batts with the stitches of said rows extending transversely of the pleats.

2,458,589
TWO TEMPERATURE REFRIGERATION UNIT
Keith P. Groat, York, Pa., assignor to York Corporation, York, Pa., a corporation of Delaware
Application February 1, 1945, Serial No. 575,652
9 Claims. (Cl. 62—115)



1. A combined space cooler and sharp-freezing unit, adapted to be mounted in a space to be cooled, comprising in combination, an air-cooling evaporator; a sharp-freezing evaporator; means for supporting material to be frozen in heat exchanging relation with the sharp-freezing evaporator; means for supplying volatile liquid refrigerant to said evaporators in parallel, and for withdrawing evaporated refrigerant therefrom; air circulating means; and guiding means for air circulated thereby, arranged to cause the circulating means to withdraw air from the space to be cooled, and after causing it to exchange heat with the air-cooling evaporator return said air to said space at different elevations, said guiding means being arranged to cause one part of the returning air to flow across said material-supporting means.

2,458,590
COMBINATION AUTOMOBILE JACK AND ENGINE STARTING DEVICE
George W. Harris, Ranseonville, N. C., and Hugh H. Hanshaw, Norfolk, Va.
Application April 19, 1946, Serial No. 663,488
4 Claims. (Cl. 74—14)



1. In a combined automobile jack and wheel-driving device, a base frame, a jack mounted on said base frame and extensible upwardly therefrom, a second frame, guide means carried by said base frame and slidably engaging said second frame to provide freedom of movement of said second frame toward and away from said base frame in a predetermined, relative direction, means operatively associated with said guide means controlling movement of said second frame relative to said base frame, a pair of spaced-apart wheel-driving rollers journaled on said second frame, an electric motor mounted on said second frame, and means drivingly connecting said motor with said rollers and said jack, operative to render said motor effective to drive said jack independently of said rollers.

2,458,591
DOOR FASTENER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 22, 1945, Serial No. 618,016
2 Claims. (Cl. 292—241)

1. In a device of the character described, the combination with a rotary operating bar of rectangular, transverse cross section; of a supporting guide bracket, said bracket having a circular bearing opening through which said bar extends, said bracket having an opening at the inner side communicating with said bearing opening; of a one piece bearing block rotatably supported in said guide bracket, said block being insertable within said bracket through the opening at the inner side thereof, said block comprising sections at opposite sides of said bar closely embracing the same and in bearing engagement with the wall of the bearing opening of said bracket, and top and bottom flanges tying said sections together and engaged over the top and bottom sides of said bracket to hold said block against endwise movement with respect to said bracket, said flanges of the block projecting to one side of the same; and upstanding and depending stop lugs on said bracket in the path of rotation of said projecting flanges of said block for arresting rotary movement of said bar.

2,458,592
SAFETY MOUNTING FOR SPECTACLES
Thomas F. Healy, Washington, D. C., assignor to Saf-Mont, Inc., Washington, D. C., a corporation of Delaware
Application December 16, 1943, Serial No. 514,527
2 Claims. (Cl. 88—41)

1. Safety spectacles comprising, in combination, a pair of temple members, a pair of lenses each having convex and concave faces, means to secure said lenses together, a pair of flexible temple-supporting members each associated with one of said lenses, each of said temple-supporting members substantially following the contour of the top portion of its corresponding lens, each of said temple-supporting members being bent forward beyond the edge of its corresponding lens, each of said members extending forwardly to a point so that it first engages a flat surface when the spectacles are horizontally disposed thereon with the convex surface of the lenses downward, each of said members then being bent backward upon itself and extending to the concave side of its corresponding lens, each of said temple-supporting members being connected at one end thereof to said first mentioned means, and each of said temple-supporting members being connected at the other end thereof to its corresponding temple member.

2,458,593
SAFETY MOUNTING FOR LENSES
Thomas F. Healy, Washington, D. C., assignor to Saf-Mont, Inc., Washington, D. C., a corporation of Delaware
Application May 31, 1944, Serial No. 538,136
2 Claims. (Cl. 88—41)

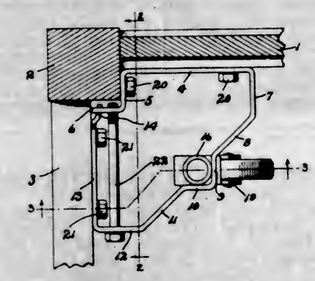
1. Safety spectacles comprising, in combination, a pair of temple members, a pair of lenses, means to secure said lenses together, a pair of temple-supporting members each associated with one of said lenses, each of said temple-supporting members substantially following the contour of the top portion of its corresponding lens, each of said temple-supporting members being bent forwardly around the outer peripheral edge of its corresponding lens and thence inwardly across a portion of said lens, thence perpendicularly, and thence outwardly beyond the edge of lens and thence rearwardly, each of said temple-supporting members being connected at one end thereof to said first mentioned means, and each of said temple-supporting members being connected at the other end thereof to its corresponding temple member.

2,458,594
SAFETY MOUNTING FOR LENSES
Thomas F. Healy, Washington, D. C., assignor to Saf-Mont, Inc., Washington, D. C., a corporation of Delaware
Application October 7, 1944, Serial No. 557,637
1 Claim. (Cl. 88—41)

Safety spectacles comprising, in combination, a pair of temples, a pair of lenses each having a concave and a convex side, means to secure said lenses together, a pair of flexible temple-supporting members each associated with one of said lenses and being adapted to flex independently relatively thereto, each of said temple-supporting members extending from the concave side of its corresponding lens to terminate in a pivot on the convex side thereof, said pivot being disposed beyond the foremost point on the convex side of

its corresponding lens so that said pivot first engages a flat surface when the spectacles are horizontally positioned thereon with convex faces downwardly, each of said temples being attached to its corresponding temple-supporting member by means of said pivot which is designed to permit said temple to fold forwardly across the face of its corresponding lens.

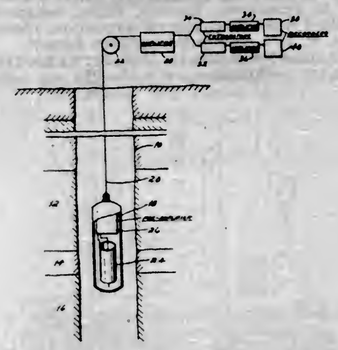
2,458,595
BED FASTENER, BRACE, AND CASTER SUPPORT
Jack H. B. Herts, Grand Rapids, Mich., assignor to John Widdicomb Company, Grand Rapids, Mich., a corporation of Michigan
Application January 8, 1945, Serial No. 571,751
4 Claims. (Cl. 5—282)



1. A construction as described made from a single length of metal and including a section adapted to be located against the inner side of a head or foot board and a second section adapted to be located against the inner side of a side bedrail, said second section having a free end and a tongue extending therefrom, and said first section having extending therefrom a short section at right angles thereto from which a second short section extends substantially at right angles and having an opening therethrough for the passage of the tongue, said frame being completed by intermediate portions integral with and between and connecting said first mentioned sections and including a further section extending inwardly at right angles from the second of said first mentioned sections, and an elongated headed screw passing through the last mentioned section and threading through the second of said short sections.

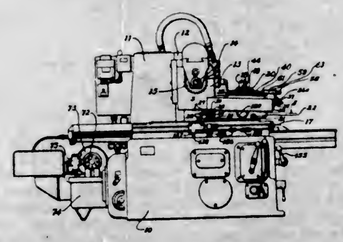
2. A construction containing the elements defined in claim 1, and a caster adjustably mounted for vertical adjustment secured to and extending downwardly from the frame at an inner portion thereof.

2,458,596
RADIOACTIVITY WELL LOGGING METHOD
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application December 10, 1946, Serial No. 715,204
6 Claims. (Cl. 250—83.6)



6. An apparatus for logging the formations traversed by a bore hole which comprises a housing, a cable for lowering and raising said housing through said hole, a radiation detector of the current pulse producing type in said housing, a preamplifier in said housing for amplifying the pulses from said detector, means associated with said cable for conducting the preamplified pulses to the surface, means at the surface for amplifying the pulses, two integrating circuits connected to receive the output of said amplifying means, one of said integrating circuits having a time constant from 5 to 15 times as long as the other integrating circuit, and means for simultaneously and separately recording the outputs of said integration circuits.

2,458,597
MILLING MACHINE
Walter Hoier and Richard N. Clifton, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application September 15, 1943, Serial No. 502,708
12 Claims. (Cl. 90—21.5)



1. In a milling machine having a rotatable cutter and a reciprocable table, the combination of means for supporting a work piece on the table including an oscillatable support and a superimposed indexible support, fluid operable means

pending stop lugs on said bracket in the path of rotation of said projecting flanges of said block for arresting rotary movement of said bar.

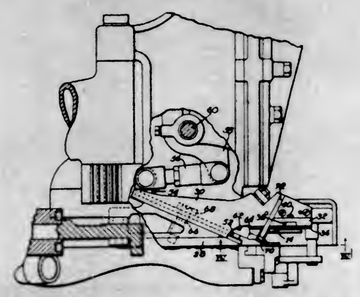
Safety spectacles comprising, in combination, a pair of temples, a pair of lenses each having a concave and a convex side, means to secure said

ed for vertical adjustment secured to and extending downwardly from the frame at an inner portion thereof.

including an oscillatable support and a superimposed indexible support, fluid operable means

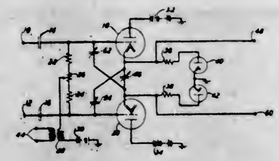
carried by the table for effecting the oscillation and the indexing respectively, and trip operable valve means for connecting fluid pressure to each of said means in a sequential manner.

2,458,598
MACHINE FOR TRIMMING SHOE PARTS
Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 21, 1946, Serial No. 711,239
3 Claims. (Cl. 12—67)



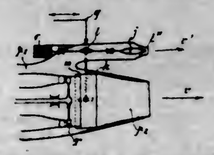
1. In a machine for operating on shoe parts, a fixed frame, a trimming knife, a movable carrier on which the knife is mounted for movement with relation thereto, means for actuating the carrier to impart to the knife a motion of translation along a predetermined path, and means connecting the knife to the frame and active as a result of the movement of translation of the knife to cause the knife to move with relation to the carrier without deviating from said predetermined path.

2,458,599
CIRCUIT FOR SAMPLING BALANCED SIGNALS
Luther W. Hussey, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 4, 1946, Serial No. 714,088
12 Claims. (Cl. 250—27)



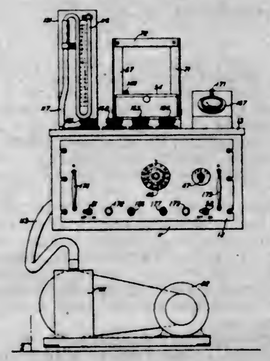
2. In a sampling circuit for operating on balanced signals, a pair of electron tubes each having at least an anode, a cathode and a control grid, a source of potential connected between said anodes and ground, a storage capacitor connected between the cathodes of said electron tubes, means effective to permit current flow to said storage capacitor only when the cathode of at least one of said tubes is positive with respect to ground, means for maintaining the space current of the electron tubes normally cut off, and means for rendering said tubes conductive at predetermined instants.

2,458,600
AERODYNAMIC PROPELLING MEANS OPERATING THROUGH DIRECT REACTION JET AND SCAVENGING
Roger Jean Imbert and Marcel Henri Louis Sédille, Paris, France, assignors to Societe Rateau (Societe Anonyme), Paris, France, a company of France, and Rene Anxionnaz, Paris, France
Application August 27, 1945, Serial No. 612,867
In France January 26, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires January 26, 1962
5 Claims. (Cl. 60—35.6)



1. In aircraft propelling means operating through direct reaction jet and scavenging, the combination of a compressor including a lower pressure and a higher pressure part, said higher pressure part being fed by part of the air from the lower pressure part, the remainder of which forms scavenging air, a combustion chamber at the outlet of the higher pressure part of the compressor, a turbine fed by the gases produced in said chamber, a circuit for the scavenging air produced by the lower pressure part of the compressor, said circuit being in ring formation about the higher pressure part of the compressor and the turbine and opening out at the rear of said turbine, a reaction jet nozzle fed by the turbine and by the circuit, an annular valve system inserted in the circuit for the scavenging air and means controlling the passage allowed for the scavenging air through said valve system.

2,458,601
METHOD OF AND APPARATUS FOR MEASURING PRESSURE
John B. Johnson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1944, Serial No. 528,011
7 Claims. (Cl. 175—183)



1. In a device for testing the effectiveness of the seal of a closed container that has been sealed

at a certain gas pressure and has two spaced electrically conductive members extending from the exterior of said container to a point therewithin and constituting a plate for supporting a container being tested, said plate being provided with spaced apertures for receiving the respective terminal pins of said container mounted thereon, means including a sealable cover for said plate and containers for reducing the ambient pressure to a predetermined value which is lower than the pressure at which the container being tested was sealed, means for applying a regulated voltage across said conductive members while maintaining the pressure at the reduced value, and means for observing the magnitude of resulting ionic current flow between the respective portions of said conductive members within the container; and means for so spacing each container from the adjacent portion of the face of said plate that a passage is defined by the adjacent surfaces of the container and the plate of sufficient size to permit the free flow of air but sufficiently constricted to effectively prevent the ionization of the air passing therethrough.

2,458,602
SNOW PROTECTOR FOR SKIS
George Johnson, Ironwood, Mich.
Application July 17, 1945, Serial No. 605,596
2 Claims. (Cl. 280—11.35)

1. A protective attachment for skis, comprising a foot supporting plate having the general form of the sole of a shoe and adapted to be fastened on the top side of a ski, a body made of a flexible material and adapted to enclose the shod foot of a skier, said body being formed with an upper ankle engaging portion, a toe engaging portion, and a lower heel and arch enclosing portion, arranged in unitary assembly, said heel and toe portions being secured about the top side of the edge of said foot plate, said upper portion having a gap in its front side, a gusset closing said gap, and means for detachably securing the edges of said gap together to draw said upper portion firmly about the like part of the shoe worn by the skier, said lower portion having a fullness to admit of its bellows-like extension and contraction incident to the movements of the skier's foot in the performance of skiing manoeuvres.

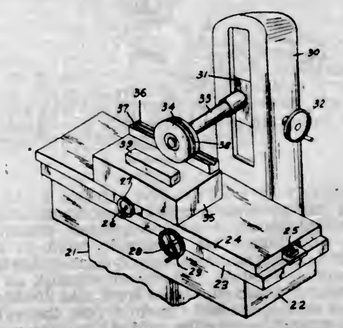
2,458,603
PREPARATION OF KETONES BY CATALYTIC REACTION OF OLEFINS AND ACID ANHYDRIDES
Carl E. Johnson, St. Louis, Mich., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application April 27, 1946, Serial No. 665,624
5 Claims. (Cl. 260—597)

2. The method of preparing a ketone product which comprises intimately mixing an olefin and a carboxylic acid anhydride in the presence of an alkanesulfonic acid catalyst, maintaining intimate contact between said olefin and said acid anhydride until a substantial reaction has taken place with the formation of the desired ketone and thereafter recovering said ketone from said reaction mixture.

2,458,604
GARAGE DOOR
Frank J. Kappes, San Mateo, Calif.
Application August 28, 1945, Serial No. 613,063
2 Claims. (Cl. 160—196)

1. A garage door comprising a door frame, an upper door section hinged to the frame top and swingable about a horizontal axis, the second door section of about twice the height of the first and being hinged to the first, the sides of the frame having vertical roller guides, rollers disposed at the sides of the second section and approximately midway between its top and bottom, said rollers being receivable in the guides, cables connected to the second section sides near the rollers and being passed over pulleys disposed at the frame top, a weight connected to the free ends of the cables and slightly more than counter-balancing the weight of the two door sections, whereby the door sections will be moved upwardly into open position by the weight, at least one of the hinge connections between the door sections having a slot therein, and a key pivoted to the frame and having a portion receivable in the slot when the door sections are closed for holding the door sections in closed position.

2,458,605
MEANS FOR CRUSH FORMING GRINDING WHEELS
Charles W. Kirin, Detroit, Mich.
Application December 22, 1945, Serial No. 636,728
2 Claims. (Cl. 125—11)



1. In a device of the character described, the combination of a grinding wheel, a longitudinally

the forward end of the strip and to carry away

of the electron tubes normally cut off, and means for rendering said tubes conductive at predetermined instants.

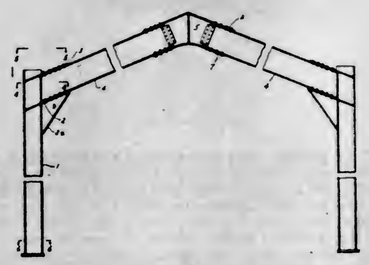
1. In a device for testing the effectiveness of the seal of a closed container that has been sealed

2. The method of preparing a ketone product which comprises intimately mixing an olefin and

1. In a device of the character described, the combination of a grinding wheel, a longitudinally

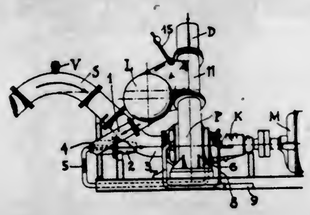
and laterally movable table below said grinding wheel, means on said table for supporting a forming bar having a contour intended to be imparted to said wheel, said means comprising a base having slots therein adjustable supports having cut out portions thereon adapted to accommodate the shape of said forming bar, and means cooperating between said slots and said supports for locking the latter in position on said base.

2,458,606
BUILDING STRUCTURE
Martin C. Knabe, Library, Pa.
Application February 16, 1946, Serial No. 648,403
4 Claims. (Cl. 108—1)



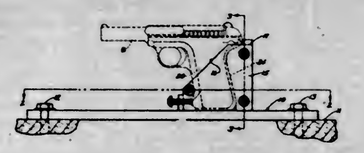
1. In a building structure, a frame comprising flanged columns and flanged inclined rafters constituting a continuous beam embodying a ridge splice for transmitting stresses uniformly throughout the beam, said splice comprising a prefabricated member having flanged ends engaging the flanges of the rafters and having anchor plates secured to the rafters and to the web of the ridge plate.

2,458,607
SELF-PRIMING CENTRIFUGAL PUMP
Hermann Lauchenauer, Zurich, Switzerland
Application April 21, 1945, Serial No. 589,492
In Switzerland June 13, 1944
8 Claims. (Cl. 103—113)



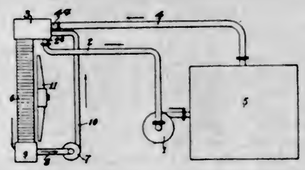
1. A self-priming pump system comprising a centrifugal pump, a suction conduit extending above said pump, an ejector inserted in and having a nozzle terminating and discharging into said suction conduit, a discharge conduit, an air separator disposed separated from said discharge conduit and connected for fluid flow therewith, and a conduit connecting said air separator and said ejector and conducting fluid from said separator into said nozzle.

2,458,608
PISTOL MACHINE REST
Ellis Lea, South Charleston, W. Va.
Application February 27, 1948, Serial No. 11,599
4 Claims. (Cl. 89—37)



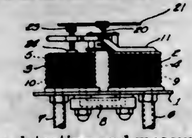
1. A pistol machine rest comprising a base formed with an opening adjacent one end thereof, a combined securing bolt and pivot extending through said opening, said base having an arcuate slot adjacent the opposite end thereof, a second bolt extending through said slot, a fixed pistol handle clamping plate rising from said base, a right angularly disposed lug extending from the forward end of said plate, a clamping bolt threaded through said lug for engagement with the forward lower end of a pistol handle, a movable clamping plate, and bolts for applying pressure extending through said fixed and movable plates and secured to the latter for clamping said plates on opposite sides of a pistol handle.

2,458,609
COOLING DEVICE BY VAPORIZATION FOR INTERNAL-COMBUSTION ENGINES
Georges Leveque du Rostu, Paris, France, assignor to Societe Anonyme Andre Citroen, Paris, France
Application July 20, 1945, Serial No. 606,227
In France July 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 20, 1962
7 Claims. (Cl. 123—174)



2. Cooling device for internal combustion engines by evaporation at atmospheric pressure, comprising a water condensate reservoir, an upper chamber, vertical tubes opening at their lower ends below the water level within said water condensate reservoir and at their upper ends with said upper chamber, said upper chamber being divided by baffles into a steam chamber arranged directly above said tubes, and a water chamber, this latter communicating by means of connecting pipes leading respectively to the water circuit of the motor and from said water condensate reservoir, the connecting branch with said water condensate reservoir being arranged at a determined level of the water within said water condensate reservoir, a hermetic tank within said water chamber, said hermetic tank communicating with a connecting pipe for the water from the motor and being provided with openings communicating with said water chamber.

2,458,610
GAS DETECTOR
Nils Erik Lindström, Stockholm, Sweden
Application July 28, 1944, Serial No. 547,089
In Sweden June 18, 1943
5 Claims. (Cl. 23—254)



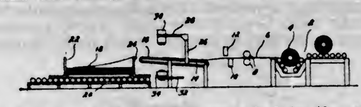
1. In a gas detecting and measuring apparatus, a reaction chamber provided with a gas inlet and a gas outlet said chamber being adapted to contain a substance capable of bringing about an exothermical reaction of the gas to be detected, a hermetically sealed vessel enclosing said reaction chamber, and provided with expansible outer walls, the unoccupied space within said vessel being filled with an expansible medium, an indicating means, and a mechanical motion transmitting means between said expansion vessel and said indicating means for transmitting motion of the vessel to the indicating means.

2,458,611
ILLUMINATING UNIT FOR CONVENTIONAL FISHING LURES OR BAIT
Tom K. Long, Akron, Ohio
Application September 16, 1946, Serial No. 697,335
3 Claims. (Cl. 43—44)

1. In fishing appliances of the kind wherein fishing lures are provided for connection to a line, the improvement which comprises a lure-illuminating unit which includes a tubular body, a light bulb countersunk within the rear end of said body, a bail secured to said body adjacent said rear end, a swivel connected to said bail, a member connected to said swivel, to which member a conventional lure may be connected for illumination by the beam from said light bulb, a battery cell in said tubular body, a front closure member for said body which member has battery cell engaging means, and a swivel connected with said front closure member and adapted for connection to a line, said front closure member itself being a sub-unit having a recess in its inner end and having a longitudinal bore, a draft wire passed through said bore and provided at its outer end with a loop and provided at its inner end with a battery-contacting element, and a compressible water-excluding element in the bottom of said recess against which said battery-contacting element seats and through which said wire also passes, said wire having limited longitudinal movement in said bore for purposes described.

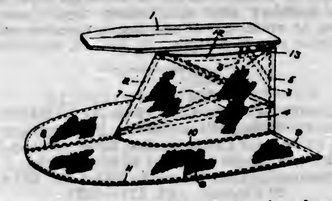
2,458,612
AUTOMATIC SHEARING APPARATUS
Ferdinand Lussatto and James C. Palmer, Gary, Ind.
Application September 20, 1945, Serial No. 617,536
8 Claims. (Cl. 164—49)

5. Apparatus for shearing strip into lengths comprising an intermittently operable shear having opposite shearing blades to cut off the strip, means in front of the shear for positively feeding strip between the blades of the shear, a power driven conveyor at the rear of the shear having frictional engagement with the strip to receive the forward end of the strip and to carry away the sheet sheared from the end thereof, means for driving the strip feeding means, constantly operating means for driving the conveyor at at least the same surface speed as the strip feeding means, means for driving the shear, said means including a constantly operating power means and a selectively operable clutch interposed between the power means and the shear, means including a solenoid for operating the



clutch, a control circuit connected to the solenoid, means responsive to movement of the forward end of the strip past a predetermined point on the conveyor to stop the means for feeding the strip to the shear and to energize the control circuit and thus energize the solenoid to engage the clutch, thereby to actuate the shear to cut a predetermined length of sheet from the strip, and a normally closed time delay relay having contacts in the control circuit and energized by said circuit for deenergizing the clutch operating solenoid and disconnecting the clutch after the shear has completed one cutting cycle.

2,458,613
PROTECTING APRON FOR IRONING BOARDS
Ethel S. Lyon, Williamsburg, Va.
Application September 16, 1947, Serial No. 774,333
1 Claim. (Cl. 38—141)



A protecting apron for an ironing board, of that type having a flat top and a supporting structure based on the floor, consisting of a skirt section and a flat base section of fabric, with the skirt section surrounding at least the front and sides of the supporting structure and extending from adjacent the top to the floor and terminating at the rear in substantially vertical free edges, with the base section secured to the lower edge of the skirt section and extending outward therefrom to cover an area of the floor substantially greater than the area of the top, thereby to protect articles depending from the top from injury by either the supporting structure or the floor, and means for securing the skirt section snugly in place on the supporting structure beneath the top.

2,458,614
DUST ASPIRATOR WITH A ROTATABLE FLEXIBLE TUBE CONNECTION
Johannes Andries Christiaan Malchus, Amsterdam, Netherlands
Application August 21, 1946, Serial No. 692,079
In the Netherlands July 7, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires July 7, 1962
6 Claims. (Cl. 285—25)

3. Attaching device for holding a tubular arrangement within an opening comprising in

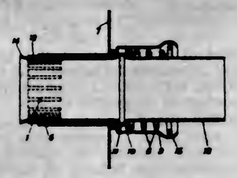
ing means for heating such air, a plurality of

2,458,619

separator into said nozzle.

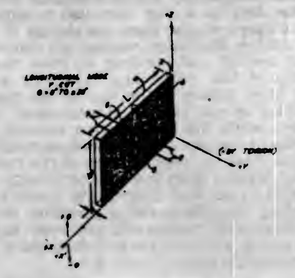
municating with said water chamber.

combination an outer sleeve member closely fitting into said opening; stop means at the outer end of said outer sleeve member preventing sliding of the same through said opening in inward direction; outwardly bendable stop means at the inner end of said outer sleeve member preventing when in outwardly bent position sliding of said outer sleeve member through said opening in outward direction; an inner sleeve member closely fitting into said outer sleeve member and arranged within the same projecting at both ends beyond said outer sleeve member; outwardly bent stop means on the inner project-



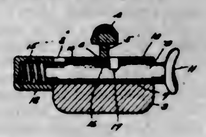
ing end portion of said inner sleeve member preventing sliding of the same through said outer sleeve member in outward direction and adapted to outwardly bend said outwardly bendable stop means at the inner end of said outer sleeve member when said inner sleeve member is pulled in outward direction; stop means arranged on the outer projecting end portion of said inner sleeve member preventing sliding of the same through said outer sleeve member in inward direction; and spring means mounted between said outer sleeve member and said inner sleeve member tending to slide said inner sleeve member within said outer sleeve member in inward direction.

2,458,615
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1946, Serial No. 657,886
20 Claims. (Cl. 171—327)



1. Piezoelectric crystal apparatus comprising means including an ethylene diamine tartrate crystal body for producing a substantially zero temperature coefficient of vibrational frequency within a temperature range substantially between 0 and +40 degrees centigrade, said frequency being determined by the lengthwise or longest dimensional axis of said crystal body, said lengthwise axis dimension being made of a value corresponding to the value of said frequency, the angular orientation of said crystal body with respect to the mutually perpendicular X, Y and Z axes thereof being a value corresponding to and related to the value of said substantially zero temperature coefficient of frequency, and electric field-producing means for operating said crystal body at said frequency having said substantially zero temperature coefficient of frequency.

2,458,616
TRIGGER SAFETY FOE SHOTGUNS AND THE LIKE
Tracy L. Maynor, Beckley, W. Va.
Application June 13, 1945, Serial No. 599,138
1 Claim. (Cl. 42—70)

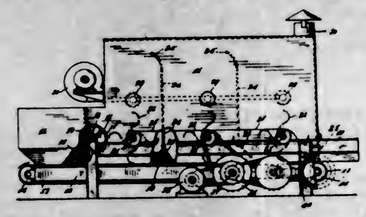


In a firearm, the combination, with a trigger guard having a transverse bore, a keyway extending longitudinally of and communicating with the bore, and a slot at right angles to and opening into the bore and keyway, and with a trigger movably mounted in the slot, of a cross-bolt slidable in the bore, a key on the cross-bolt slidable in the keyway to prevent rotation of the cross-bolt, a spring engaging and yieldably urging the cross bolt in one direction to one extreme position, a finger rest on one end of the cross-bolt positioned relative to the trigger to receive thrust from a user's finger approximately simultaneously with depression of the trigger by said finger, for movement of the cross-bolt in the other direction to an opposite extreme position against the action of the spring, the key having a cutaway portion to provide a seat receiving and preventing depression of the trigger when the cross-bolt is in the first-named position, the trigger when positioned in the seat engaging one end wall of the cutaway portion to provide a stop for preventing movement of the cross-bolt beyond the first-named extreme position, and said cross-bolt having a recess immediately adjacent and communicating with the seat to receive the trigger when the cross-bolt is moved to its second extreme position, to permit depression of the trigger, one end wall of the recess being flush with the other end wall of the cutaway portion to provide a stop engageable by the trigger to prevent movement of the cross-bolt beyond its second extreme position and to register the recess with the trigger as the trigger is depressed.

2,458,617
DRIER
Kenneth E. McConnaughay, West Lafayette, Ind.
Application March 10, 1943, Serial No. 478,600
4 Claims. (Cl. 34—216)

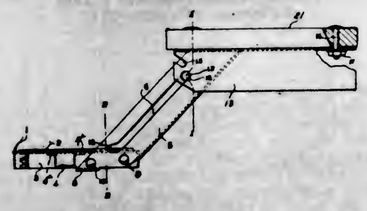
1. A drier for crushed stone and the like, comprising a horisontally elongated housing having side walls and a top wall and provided at opposite ends with inlet and discharge openings for the material to be dried, a conveyor in the lower portion of said housing for conveying material from the inlet opening to the discharge opening, said housing being provided above said conveyor and near opposite ends with air inlet and air discharge openings, means for causing air to flow upwardly thrown material from passing directly through said housing above said conveyor from the air inlet opening to the air discharge open-

ing, means for heating such air, a plurality of spaced rotatable shafts extending horizontally across said housing above and transversely of said conveyor, each of said shafts being provided with a plurality of axially extending rows of generally radial arms, said arms having a length such that their outer ends will pass close to said conveyor as the shaft rotates, and means for rotating said shaft at a speed such that said arms will throw material on said conveyor upwardly into the heated upper portion of the housing, and a rigid vertical partition extending transversely of said housing between adjacent shafts



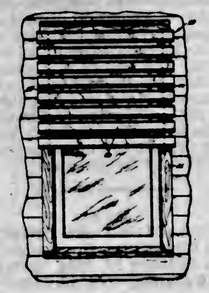
to divide the interior of the housing into compartments, said partition being arranged to permit communication between said compartments adjacent the top wall of the housing and having its lower edge spaced above said conveyor to provide an opening through which the material being dried can pass from one compartment to the other on the conveyor, said partition between its lower edges and a point adjacent the top wall of the housing being imperforate to intercept material thrown upwardly by the arms on the shaft in one compartment and thereby prevent such upwardly thrown material from passing directly into the adjacent compartment.

2,458,618
FOLDABLE STEP FOR TRAILERS
Albert W. McDonald, Elkhart, Ind.
Application July 1, 1946, Serial No. 680,676
4 Claims. (Cl. 280—166)



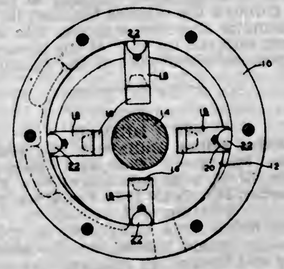
1. In a foldable step for trailers, a pair of spaced depending brackets secured to the under side of the body of the trailer, inwardly projecting rivets on said depending brackets, said rivets having their heads beveled on their inner surfaces; side arms having longitudinal slots through which each of said rivets project, said slots having offset extensions at their lower ends, the portions of the side arms adjacent to the upper ends of the slots being bent to snugly engage the inner beveled surfaces of the rivets when the side arms are moved to their unfolded position for use, whereby to firmly hold them in this position to prevent swaying, a foldable step pivotally mounted on the lower ends of said side arms, and means for holding said steps in horisontal position for use.

2,458,619
LOUVERED AWNING
Orman O. McKinley, Indianapolis, Ind.
Application May 3, 1946, Serial No. 667,164
3 Claims. (Cl. 20—57.5)



1 A louvered awning comprising a pair of parallel bars, a series of brackets for one bar, each bracket comprising an integral sheet metal piece having a portion embracing its bar and a portion angularly inclined downwardly and away from its bar, a corresponding series of brackets for the other bar, each comprising an integral sheet metal piece having a portion embracing its bar and a portion angularly inclined downwardly and away from its bar, said inclined portion of each bracket being coplanar with the corresponding portion of a mating bracket in the other series, and a slat extending between and secured to said inclined portion of each mating pair of brackets.

2,458,620
SLIDING VANE COMPRESSOR
David W. Megeber, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application May 28, 1945, Serial No. 596,285
2 Claims. (Cl. 230—152)



1. In a rotary pump, a housing having a compression chamber therein, said housing including port openings for the ingress and egress of fluid, a rotor mounted for rotation in said chamber, a unit comprising a vane and a shoe slidable within said rotor, said unit being loosely held within said rotor and movable outwardly thereof during its rotation to cause said shoe to engage the wall of said chamber for separating the incoming fluid from the outgoing fluid, said unit being freely retractable when the rotor stops rotating to cause disengagement of said shoe from said chamber wall, said vane having an arcuate recessed portion cooperating with an

arcuate surface portion on said shoe permitting

countersunk head set screw threaded in said

arm, an oscillatable support, a bell crank pivot-

of the bowl, a central inlet pipe connected with

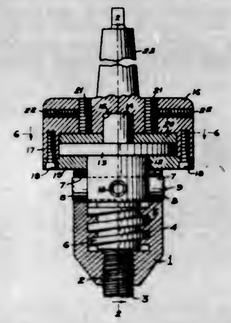
arcuate surface portion on said shoe permitting oscillating movement of said shoe relative to the vane, said arcuate recessed portion on said vane extending throughout an arc greater than 180° for locking said shoe to said vane against relative movement therebetween in a direction transverse to the direction of extension of said arcuate portions, said arcuate recessed portion of said vane having a slot therein extending longitudinally therewith from one end of the vane to a point inwardly of said end thereof, and said shoe having a stop movable into said slot upon inserting said arcuate surface portion of the shoe into said arcuate recessed portion of the vane through said one end thereof for limiting the oscillation of said shoe relative to said vane.

2,458,621
FURNITURE LEG SHOE
Robert Ellis Miller, Bronxville, N. Y.
Application January 20, 1948, Serial No. 3,289
6 Claims. (Cl. 16—42)

1. A cushion slide for a tubular furniture leg, comprising a plate having a central circular opening and secured peripherally to the tubular leg, a bushing having a truncated conical portion and a cylindrical portion adjacent said central opening of the plate, and a rubber plug having a cylindrical portion of a diametric dimension to be receivable in the cylindrical opening of the said plate and bushing, and a cone head recessed at its under end to form an annular shoulder, the diametric dimension at said wider end of the cone head of the rubber plug being greater than the diameter of the tip end of the tapered bushing, said cone head being compressed in forced insertion through the tapered bushing, its said recessed annular shoulder snapping into overlying abutment with the tip edge of the tapered bushing to prevent withdrawal of the rubber plug.

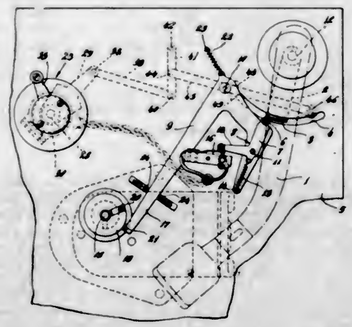
2,458,622
STUD DRIVER
Frank Alden Miller, Buffalo, N. Y., assignor to Buffalo Machinery Company, Incorporated, Buffalo, N. Y., a corporation of New York
Application March 19, 1945, Serial No. 583,569
1 Claim. (Cl. 81—53)

A stud driver core comprising a cylindrical body having square threads on the lower stud-engaging end thereof, an enlarged disc providing a head on the upper end and a centrally disposed positioning pin extended from the disc and axially aligned with the said cylindrical body and square threads thereon, said cylindrical body having a transversely disposed pin-receiving opening therethrough positioned perpendicular to the axis thereof and a countersunk threaded set screw socket extended inward from one side and in the same plane as that of the said pin receiving opening, a pin having a notch in the side thereof positioned in said pin receiving opening of the cylindrical body with the ends extended from opposite sides of said body and with the notch therein registering with said set screw socket, a countersunk head set screw threaded in said socket with the end thereof extended into the notch of the pin and with the outer surface of the head within the peripheral surface of the said cylindrical body, a sleeve positioned on and carried by said cylindrical body having internal square threads to receive the said threads of the body, inclined slots in which the extended ends



of the pin are positioned and a threaded stud receiving socket in the lower end, a driving head having a mounting shank thereon with a socket in the lower end thereof for receiving the disc on the upper end of the said cylindrical body, and a friction disc in said driving head positioned to coact with the disc forming the head of said cylindrical body.

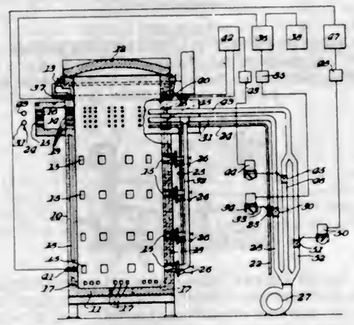
2,458,623
CONTROL MEANS FOR GRAMOPHONES
Edmund Walter Mortimer, Swindon, England, assignor to The Garrard Engineering and Manufacturing Company Limited, Swindon, England
Application May 23, 1945, Serial No. 595,371
In Great Britain November 5, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 5, 1963
8 Claims. (Cl. 192—123)



1. In a gramophone comprising a turntable, an electric motor for driving the turntable, a turntable brake, a tone arm and means including a relay for cutting off the motor and actuating the turntable brake, a switch in circuit with said relay, a quadrant movable with the tone

arm, an oscillatable support, a bell crank pivotally mounted on said support and having one arm normally maintained in engagement with said quadrant to cause the bell crank to rotate simultaneously with the movement of the tone arm, the other arm of the bell crank being adapted to actuate said switch to operate said relay upon a predetermined rotation of the bell crank greater than the rotation thereof caused by the quadrant during one revolution of the turntable while the pick up needle is in the reproduction groove of a record, means for periodically oscillating said support at each revolution of the turntable to disengage the bell crank from the quadrant, and means for returning the bell crank to a predetermined initial angular position relative to the support upon oscillation of this latter.

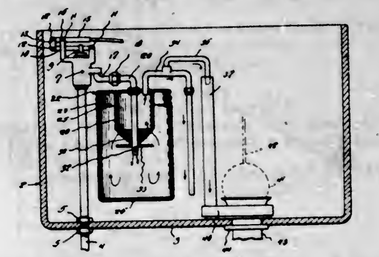
2,458,624
METHOD AND APPARATUS FOR ARTIFICIALLY COMPENSATING FOR THERMAL LOAD CHANGES IN HEAT-TREATMENT FURNACES
William A. Morton and Edwin G. Smith, Mount Lebanon Township, Allegheny County, Pa., assignors, by mesne assignments, to Amsler Morton Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 15, 1942, Serial No. 438,986
19 Claims. (Cl. 263—40)



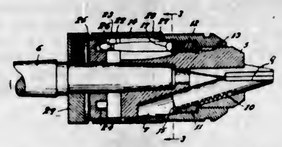
2. In a commercial heating furnace of the character described, the combination of means for introducing heat to the furnace chamber for heat treating the material therein, exhaust ports adjacent one end of the furnace chamber, artificial load ports adjacent the other end of the furnace chamber, means for supplying a non-combustible fluid to the artificial load ports, means responsive to the temperature and pressure of the furnace chamber for controlling the supply of the non-combustible fluid, and independent means responsive to the temperature of the furnace chamber for controlling the supply of heat thereto.

2,458,625
WATER FILTER BOWL
John J. Nizlolek, Chicago, Ill.
Application October 23, 1945, Serial No. 623,898
1 Claim. (Cl. 210—164)

A liquid filtering device for use with flush tanks or the like, comprising a bowl for receiving the liquid and being open at one end, a cover detachably mounted upon the open end of the bowl, a central inlet pipe connected with the cover and extending therethrough and into the bowl and open at its bottom end, the open bottom end of the inlet pipe being spaced from the bottom of the bowl, the inlet pipe being provided near its bottom end with a shoulder, washer surrounding the inlet pipe and engaging the shoulder to be supported thereby, an upwardly flaring conical foraminous filter surrounding the pipe and having its lower end seated upon the washer, a cylindrical sleeve arranged between the cover and foraminous filter and contacting the upper end of the filter to steady the filter, and an outlet pipe extending through the cover and communicating with the interior of the sleeve.



2,458,626
DRILL CHUCK
Anthony Norige, East Hartford, Conn.
Application April 3, 1946, Serial No. 659,250
9 Claims. (Cl. 279—64)

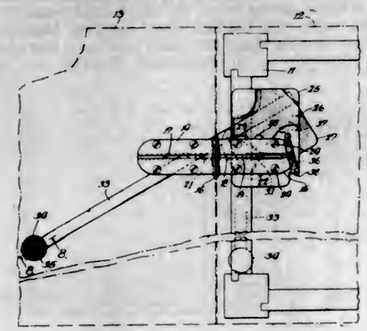


2. A drill chuck of the character described comprising a body portion having a plurality of jaws slidably mounted therein, a nut rotatable on said body portion and in threaded engagement with said jaws for moving them towards closed or opened position, cam means mounted on said body portion for moving said nut relatively to said body, leverage means extending from said cam means, and means for operating said lever for causing said cam means to move said nut relatively to the body and applying a gripping closing motion to said jaws.

2,458,627
TABLE LID SUPPORT
Edwin W. North, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware
Application July 23, 1945, Serial No. 606,508
10 Claims. (Cl. 311—62)

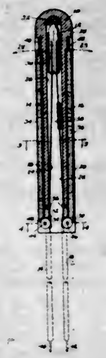
1. In a lid support or the like, the combination of a supporting arm rotatably mounted beneath the cabinet top, a lid connected to said top so as to overlie the same or be extended therefrom, a link pivotally connected to said lid and slidably connected to said top, said link having an

abutment positioned to limit the outward movement of said arm, and a spring connected to pro-



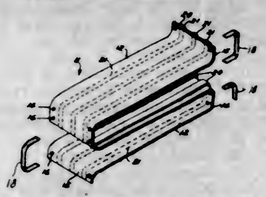
ject said arm into an extended position limited by the position of said link.

2,458,628
VEST-POCKET CIRCUIT TESTING DEVICE
Nathaniel N. Okun, Bronx, N. Y.
Application June 14, 1944, Serial No. 540,199
4 Claims. (Cl. 175—183)



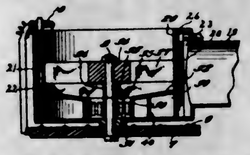
1. A vest pocket circuit testing device comprising an elongated holder of small cross-sectional area having a hollowed center and a pair of exterior housing portions extending lengthwise of said holder on opposite sides thereof, a circuit testing lamp carried by said holder in its hollowed center and visible through a wall of said holder, a pair of elongated test arms each articulately mounted on said holder at the lower end of one of said exterior housing portions so as to be movable outwardly and inwardly thereon between an extended testing position and a contracted inoperative position, the test arms in the contracted inoperative position lying parallel to said holder in said exterior housing portions so as to be substantially enclosed within the cross-sectional area of said holder, and conductive elements within said holder connecting the test arms in series with said circuit testing lamp.

2,458,629
SERPENTINE FREEZER SHELF
George Orley, Detroit, Mich.
Application June 18, 1945, Serial No. 600,081
1 Claim. (Cl. 62—126)



A unitary one piece serpentine or sinuous freezer shelf member for refrigerators comprising at least three parallel horizontal shelves connected by at least two vertical portions, all integral, and formed with hollow ribs extending from end to end, these ribs reinforcing the member and also providing conduits for refrigerant, the ends of these conduits being in sealed communication with refrigerant inlet and outlet tubes, the conduits having flat parallel top and bottom sides and being positioned midway of the rib, the ends of the member being formed as vertical extensions, these and the vertical portion being adapted to be fastened to vertical walls of the refrigerator to secure the member in place.

2,458,630
PAN TYPE OIL GASIFYING BURNER
Andrew Palko, Spring Valley, N. Y.
Application September 26, 1945, Serial No. 618,641
3 Claims. (Cl. 158—53)



1. An oil burner comprising an open substantially circular pan formed with a vaporized fuel and air mixing chamber therein, and a vapor chamber with which said mixing chamber communicates, means for feeding liquid fuel into said mixing chamber, means for feeding air under pressure into said mixing chamber to form a mixture with the vaporized fuel therein and force the mixture under pressure out of said mixing chamber and into the vapor chamber, means for preheating the vapor chamber to preheat the mixture therein, a sleeve upstanding in said pan in the center thereof and provided with inlet apertures therein, means for directing the preheated mixture from said vapor chamber into said sleeve including a spiral baffle, a circular burner block supported in the pan above the sleeve and having radial slots therein, and plates extending out of said sleeve to the block for directing mixture rising out of said sleeve to the slots in said block.

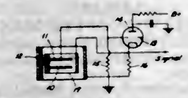
2,458,631
DRILL STEM TESTER
Asbury S. Parks, Houston, Tex.
Application March 30, 1944, Serial No. 528,757
11 Claims. (Cl. 166—1)

1. A formation tester for testing a desired formation in a bore hole, comprising a body adapted

to be lowered into the bore hole, annular packer means carried by said body and expansible by fluid pressure into contact with the formation within the bore hole to seal off from the remainder of the bore hole the formation to be tested, a compressor carried by said body for supplying fluid under pressure to the packer means to expand same, means for initially holding said com-

pressor from operation, means for releasing said holding means, means actuated by the pressure fluid in said bore hole for operating said compressor upon release of said holding means, a fluid receptacle, means for conducting fluid from the formation sealed off by said packer means to the interior of said receptacle, and means for releasing said fluid pressure within the body to permit contraction of said packer means.

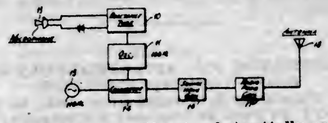
2,458,632
IONIZATION CHAMBER
J Howard Parsons, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission
Application December 11, 1945, Serial No. 634,315
4 Claims. (Cl. 250—83.6)



1. An ionization chamber comprising a pair of parallel plate electrodes spaced in confronting relationship, a hollow cylindrical electrically conductive member surrounding the interelectrode space of said electodes, a second hollow cylindrical electrically conductive member surrounding said first-mentioned hollow cylindrical member and being grounded, and an electronic amplifying circuit having a cathode follower circuit, the cathode being connected to said first-mentioned hollow cylindrical member.

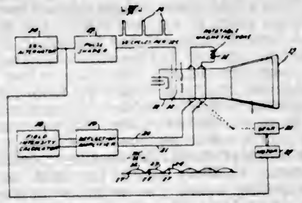
2,458,633
PULSE SYSTEM
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 5, 1944, Serial No. 517,002
3 Claims. (Cl. 250—17)

3. The method of communication which comprises producing spaced pulses whose durations are always substantially equal to the intervals between them, at a rate greater than twice the highest modulation frequency, and varying the occurrence time of said pulses in accordance with



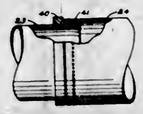
signal modulations without substantially varying the durations of said spaced pulses.

2,458,634
INDICATING DEVICE
Donald W. Peterson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 16, 1947, Serial No. 741,744
7 Claims. (Cl. 315—22)



1. The combination of a device wherein the intensity of a cathode ray is determined by a potential applied to a control grid and the angular position of said ray on a fluorescent screen is determined by rotation of a magnetic ray deflecting yoke, means for applying to said yoke at a predetermined frequency successive sets of potentials each representative of a complete scanning of an electric field, means for applying to said grid at a different frequency pulses for intensifying said ray, and means for rotating said yoke at a speed such that said ray is intensified at a different period in each of said sets of potentials.

2,458,635
EXPANSION JOINT FOR EXHAUST STRUCTURES
Paul A. Pitt and Harold A. Sprenger, San Diego, Calif., assignors to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application July 10, 1945, Serial No. 604,194
11 Claims. (Cl. 285—183)



7. An articulated exhaust structure comprising a pair of conduit sections interconnected by a telescoping joint consisting of inner and outer members rigidly connected to the respective sections, in which said inner member expands more than the outer member in response to flow of hot exhaust gas through the structure, and said inner member is dimensioned to have substantially no clearance with and be substantially locked to the outer member at normal operating temperatures when conducting hot exhaust gas, whereby said joint provides free slippage to adjust for longitudinal expansion of said sections during the transition period following initiation of exhaust

said holder connecting the test arms in series with said circuit testing lamp.

1. A formation tester for testing a desired formation in a bore hole, comprising a body adapted

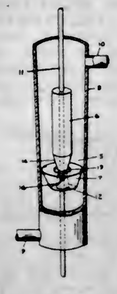
tween them, at a rate greater than twice the

gas flow, and provides a substantially rigid mechanical connection between said sections after normal operating temperatures have been reached.

2,458,636
PROCESS FOR PRECIPITATING POLYMER FROM AQUEOUS EMULSION
Louis Plambeck, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1946, Serial No. 648,815
6 Claims. (Cl. 260—29.6)

5. Process for obtaining, in form suitable for isolation by filtration, a saturated addition polymer of a monomer composition wherein each monomer has but one aliphatic carbon-to-carbon unsaturation and that is ethylenic, which polymer, in the form of a molded bar 2.5 by 0.5 by 0.05 inch when rigidly clamped at one end, loaded with a 27.5 gram weight applied two inches from the point of support and in the plane of the 0.05 inch dimension, and heated in a liquid bath at the rate of two degrees centigrade per minute does not deform 0.06 inch below 60° C. and which poylmer is precipitated from its aqueous emulsion in finely divided and difficulty filtrable form, which comprises adding to a completely polymerized aqueous emulsion of said polymer a water-insoluble, unpolymerizable, liquid organic swelling agent for said polymer, which swelling agent has a vapor pressure at 100° C. of at least 15 mm., in amount from 3 to 30% based on the weight of the polymer but less than that sufficient to cause coalescence of the polymer particles to a gummy mass, coagulating the aqueous polymer emulsion by the addition thereto of a water-soluble electrolyte and thereafter evaporatively removing the swelling agent.

2,458,637
FLUID FLOW MEASURING DEVICE
Robert H. Pratt and James Q. Underwood, Jr., Narrows, Va., assignors to Celanese Corporation of America, a corporation of Delaware
Application April 5, 1946, Serial No. 659,808
6 Claims. (Cl. 73—209)



1. In a rotameter for the measurement of instantaneous rates of fluid flow, a substantially cylindrical vertical chamber provided with fluid inlet and fluid outlet means, a sectional bob enclosed by said chamber comprising an upper section and a separate lower section in surface to surface contact, the construction and arrangement of said upper bob section and said lower bob section being such that said upper bob section acts as a pivot for said lower bob section, and vertical guide means cooperating with said bob for limiting lateral movement of said bob during fluid measuring operations.

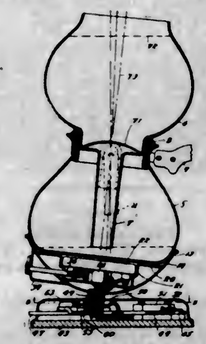
2,458,638
SHOTGUN SIGHT
Daniel A. Pretzer, Fresno, Calif.
Application May 31, 1946, Serial No. 673,253
2 Claims. (Cl. 33—51)

1. In a lead sight for shotguns, a pair of ring members, and fastening means for clamping the ring members securely onto the front end of a gun barrel, said fastening means comprising a substantially triangular frame formed of resilient metal, said frame having a top member and two side members, said side members being adapted to be bent outwardly so that the gun barrel can be inserted in the frame, and a pair of adjusting tongues formed on the top member, extending downwardly therefrom and adapted to rest on the barrel, said ring members being positioned adjacent the meeting edges of said top and side members and secured thereto.

2,458,639
VINYL COPOLYMER AND PROCESS FOR ITS PRODUCTION
Richard W. Quaries, Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application October 13, 1944, Serial No. 558,609
5 Claims. (Cl. 260—43)

2. A copolymer consisting of vinyl chloride, vinyl acetate, maleic acid, methyl maleate and vinyl alcohol containing from 85 to 95% vinyl chloride, from 1.5 to 10% vinyl acetate, from 0.2 to 6% maleic acid, from 0.68 to 4.4% methyl maleate calculated as dimethyl maleate and from 1 to 10% vinyl alcohol.

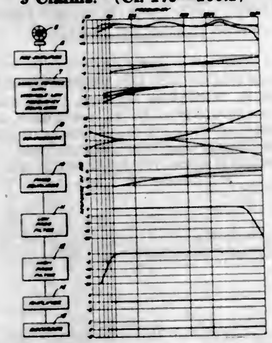
2,458,640
AUTOMATIC COFFEE MAKER
Ludwig Reichold, Winsted, Conn., assignor to The Silex Company, Hartford, Conn., a corporation of Connecticut
Application October 9, 1944, Serial No. 557,902
15 Claims. (Cl. 99—281)



1. In a device of the character described, the combination of a base, uprights on said base, a

heater swingingly supported by said uprights, an electric circuit for said heater, a main switch in said base for controlling said circuit, a manually operable member for moving said heater to operating position and closing said switch, a separate switch carried by said member, means carried by said heater for operating said separate switch to break said circuit, means for retaining said separate switch in open position, a thermally responsive switch for controlling said circuit while the separate switch is in open position, and means associated with said manually operable member for returning the separate switch to closed position and operating the main switch to break said circuit and thereby return the heater to normal condition.

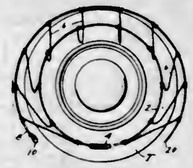
2,458,641
METHOD AND APPARATUS FOR CONTROLLING FREQUENCY CHARACTERISTICS IN SOUND RECORDING
Michael Rettinger, Encino, and Kurt Singer, North Hollywood, Calif., assignors to Radio Corporation of America, a corporation of Delaware
Application May 8, 1945, Serial No. 592,618
9 Claims. (Cl. 179—100.1)



1. The method of obtaining a predetermined frequency characteristic of a signal before impression on a sound recorder, comprising translating sound waves into electrical currents, said currents having a frequency characteristic in accordance with the frequency response characteristic of the translator, equalizing the translator frequency response characteristic, applying additional low frequency equalization to compensate for voice variations from normal, compressing said currents while applying equalization to the control signal, and then equalizing for film losses and recorder slit attenuation.

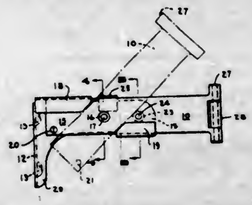
2,458,642
AUTO TIRE CHAIN RING
Charles H. Reynolds, Donora, Pa., assignor of forty-nine per cent to Peter Girman, Donora, Pa.
Application July 17, 1946, Serial No. 684,320
1 Claim. (Cl. 152—242)

In a motor vehicle non-skid tire chain, the combination, which comprises, an outer spring wire ring having a turnbuckle therein for adjusting the diameter thereof, adapted to be positioned against the outer surface of a tire, an inner spring wire ring adapted to be positioned against the inner surface of the tire and having an opening therein with a sleeve mounted on the end at one side of the opening and extended to receive the opposite end, said opposite end having a recess in the inner surface thereof, a spring latch positioned on the end of the ring carrying the sleeve and extending through an opening in the sleeve for locking engagement with the said opposite end of the ring through the recess therein, whereby upon releasing the ring after being spread, the ends are adapted to snap into locking engagement with the said opposite end secured in the sleeve, a plurality of spaced cross chains positioned around the tire connecting the rings, and open clevises for freely connecting the ends of the cross chains to the said rings, said clevises having elongated arms with eyes at the ends of



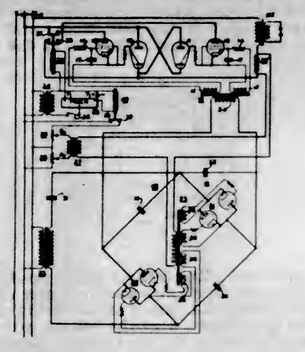
said arms and with the eyes freely positioned on the rings, and said rings having a pair of collars integral therewith and positioned on opposite sides of the clevises with the collars spaced from the outer surfaces of the clevises, wherein substantially free connections are provided between the cross chains and rings to compensate for uneven longitudinal thrust resulting from pull on the said cross chains, and whereby the said cross chains suspend the inner ring in position against the inner surface of the tire so that the ends thereof are positioned to snap into locking engagement when released, thereby eliminating the necessity of manually fastening the inner section of a tire chain on a wheel.

2,458,643
BRACKET FOR DRAPERY FIXTURES
Earl W. Riley, Pontiac, Mich.
Application January 15, 1947, Serial No. 722,110
6 Claims. (Cl. 248—265)



1. A bracket adapted to support both a curtain rod holder and a drapery crane holder and comprising means provided by said bracket to permit attachment thereof to a support, pivotal attachment means provided by said bracket for attaching a curtain rod holder pivotally to one side thereof and for attaching a drapery crane holder pivotally to the other side thereof, the pivotal attachment means for said two holders having individual spaced pivot axes, and supporting means cooperable with the pivot attachment of said curtain rod holder and drapery crane holder to support the said holders and including lateral projections from said bracket at opposite sides thereof.

2,458,644
ELECTRONIC CONTROL SYSTEM UTILIZING AUTOMATIC PHASE SHIFT
Robert L. Ringer, Jr., and Clyde E. Smith, Warren, Ohio, assignors to The Taylor-Winfield Corporation, Warren, Ohio, a corporation of Ohio
Application August 6, 1943, Serial No. 497,714
4 Claims. (Cl. 323—37)

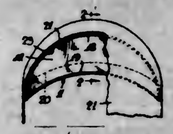


1. In an electric resistance welding system having a welding load circuit and means to control the flow of electrical energy thereto comprising a pair of reversely connected valves, the combination of a symmetrical bridge phase shifting network in control of conduction in said valves and having a reactance device and a variable conductance in series in each of the two legs of the input circuit portions of the bridge, each of said conductances comprising a pair of reversely connected grid controlled space discharge devices, a common control circuit for each of said discharge devices comprising a transformer having a single primary winding and a plurality of appropriately phased secondary windings each connected to the control grid of one of said discharge devices, and means to energize said primary winding in accordance with the strength of current flowing in said load circuit.

2,458,645
IMBEDDED METAL BAND
Samuel Rosenberg and Seymour Padwe, Newark, N. J.
Application January 7, 1947, Serial No. 720,612
3 Claims. (Cl. 63—15)

1. In the process of producing embedded metal bands in which an annular disk is pressed out at the center to produce a circular band, the improvement comprising cutting out at least a section of said disk and inserting, in the cut-out portion, a piece of another metal of the shape of the cut-out portion, prior to the pressing-out operation.

2,458,646
PAD AND POCKET THEREFOR
Lin Root, Boston, Mass., assignor, by mesne assignments, of one-half to Barens Products, Inc., New York, N. Y., a corporation of New York
Application August 11, 1945, Serial No. 610,284
11 Claims. (Cl. 2—268)



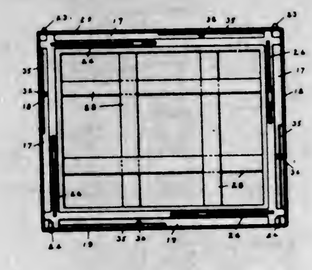
1. A pocket for attachment to apparel, and a soft flexible pad therefor, said pocket having a predetermined volumetric shape comprising a bottom section having a peripheral edge, and shaped to fit a portion of the body, a top section having a peripheral edge and a contour to which it is desired to shape the apparel, and a side wall joining and connecting the top and bottom sections, where the peripheral edges are spaced therefrom, forming a hollow structure; said pad having a predetermined shape for filling the hollow structure.

2,458,647
COCKING BOLT OF MACHINE GUNS
Frederick W. Sampson, Dayton, Ohio, and George J. Hyde, Brooklyn, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 15, 1946, Serial No. 690,738
2 Claims. (Cl. 42—16)

1. In an arm of the character described, a cocking device comprising a slide having a longitudinal body provided at its forward end with a handle extending through and slidably fitted in a longitudinal slot formed in the side of a breech bolt housing of said arm, said forward end being formed for engagement with the forwardly facing part of a breech bolt of said arm, said longitudinal body having a longitudinal bore extension from its rear end to slidably receive an extensible member, means within said longitudinal body to limit the movement of said extensible member within said longitudinal body and yielding means positioned in said bore for resilient engagement of said extensible member with said longitudinal body, said extensible member and longitudinal body slidable together and parallel with said breech bolt housing to effect cocking of said bolt.

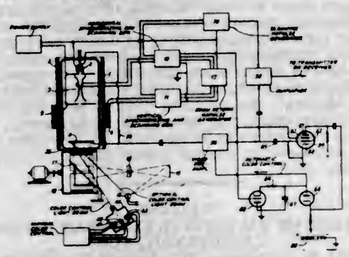
2,458,648
PHOTOGRAPHIC ENLARGING EASEL
Robert P. Saunders, Rochester, N. Y.
Application April 4, 1946, Serial No. 659,518
17 Claims. (Cl. 88—24)

1. In a photographic enlarging easel, the combination with a base plate on which a sheet is positioned, of a retaining frame pivotally mounted on the base plate and positionable thereagainst to hold the sheet, a supporting frame detachably arranged within said retaining frame and positionable therewith against the base plate, and framing members adjustable on the



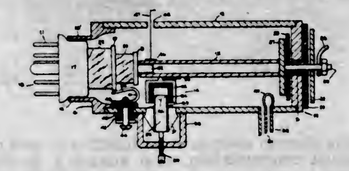
supporting frame in a plane parallel to the base plate.

2,458,649
COLOR TELEVISION
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1941, Serial No. 376,770
17 Claims. (Cl. 178—5.2)



1. In a television transmitting system adapted to develop and transmit signals representative of a succession of differently colored optical images comprising a cathode ray tube having a photosensitive target electrode of the charge storage type and electron beam generating means, a light filter assembly associated with said tube including a succession of displaced differently colored light filters, means to move said filter assembly in the path of light from an object intercepted by said target to form a succession of differently colored optical images of said object on said target, means to maintain an area of said target unilluminated between areas subjected to light passing through adjacent filters, means to scan the electron beam of said tube in one direction over said unilluminated area of the said target to develop signals representative of the intensity of light passing through one of said filters, means to displace the electron beam and scan said beam in an opposite direction approximately parallel with said first-mentioned direction and means to intensify said electron beam during scanning in said opposite direction to discharge areas of said target intermediate the areas scanned in said first direction.

2,458,650
COAXIAL LINE GENERATOR
Louis W. Schreiner and Eugene V. Leonard, Philadelphia, Pa., assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 20, 1944, Serial No. 554,893
5 Claims. (Cl. 250—36)



1. A high frequency generator comprising in combination a lighthouse tube having anode grid and cathode contact rings, a coaxial line having inner and outer conductors connected to the anode and cathode contacts respectively of said tube at the near end, and closed at the far end with respect to radio frequency, an adjustable capacitor at the near end of the coaxial line connected between the inner conductor and the outer conductor, a feed-back loop in inductive relation to said capacitor connected to the grid contact and coupled to the outer conductor of the coaxial line with respect to high frequenc[illegible] but electrically insulated therefrom with res[illegible] to direct current, and means for supplying anode voltage to the inner conductor of the coaxial line, said coaxial line having a length less than one quarter wave for the frequency at which the generator is intended to operate.

2,458,651
PROCESSES FOR PRODUCING LOW CARBON CHROMIUM STEELS
Herman B. Schulz, Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application September 25, 1947, Serial No. 776,158
3 Claims. (Cl. 75—12)

1. In the production of electric arc furnace steels, wherein a bath is formed consisting of molten steel and a highly oxidizing slag, carbon is oxidized from the steel to a content of less than 0.03 per cent, and chromium is subsequently introduced to the steel, a method of maintaining a low carbon content in the steel while chromium is being introduced comprising replacing the original highly oxidizing slag with a mildly oxidizing slag consisting of 600 to 800 pounds burnt lime, 300 to 400 pounds silica sand, and about 100 pounds fluorspar per 25 tons of heat, and introducing chromium through said mildly oxidizing slag at a temperature of around 3100° F.

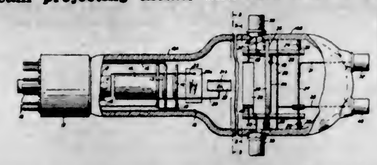
2,458,652
ELECTRON DISCHARGE APPARATUS
Raymond W. Sears, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 13, 1946, Serial No. 715,900
11 Claims. (Cl. 250—164)

1. An electron discharge device comprising a member having a plurality of rows of apertures therein, means opposite thereto for projecting an electron beam toward said member, means for deflecting said beam in the direction along one of said rows, means for deflecting said beam in a

of the cut-out portion, prior to the pressing-out operation.

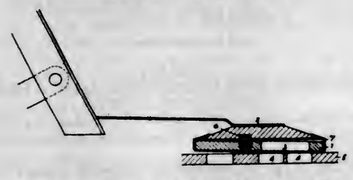
thereagainst to hold the sheet, a supporting frame detachably arranged within said retaining

direction different from said first direction, and means for guiding said beam along a path of preassigned configuration while it is deflected by said second deflecting means, said guiding means comprising an auxiliary electrode between said beam projecting means and said member and



having therein apertures conforming to said preassigned configuration, said auxiliary electrode having a coefficient of secondary electron emission greater than unity, a collector electrode opposite said auxiliary electrode and a feedback coupling between said collector electrode and said first deflecting means.

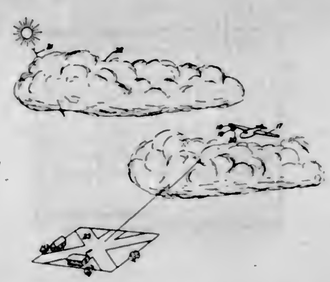
2,458,653
DOUBLE VALVE FOR ACCORDIONS AND LIKE MUSICAL INSTRUMENTS
René Seybold, Strasbourg-Meinau, France
Application May 9, 1938, Serial No. 206,851
In France May 8, 1937
Section 3, Public Law 690, August 8, 1946
Patent expires May 8, 1957
2 Claims. (Cl. 84—376)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a valve construction for accordions or like musical instruments, two superposed valves for every sound opening in the resonance base, the lower one being provided opposite the sound opening with an opening which is smaller than said sound opening and the upper one being plain, means for connecting both valves at their rear ends by articulation, means for limiting the mutual discarding of the valves at the front ends, a spring tending to keep both valves apart, and means for actuating the upper valve.

2,458,654
SYSTEM FOR AND METHOD OF UTILIZING MICROWAVE RADIATION FROM THE SUN
George C. Southworth, Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1943, Serial No. 515,738
6 Claims. (Cl. 178—6)

3. An apparatus for enabling artificial vision under daylight conditions of impaired visibility comprising a directive electromagnetic wave energy collector responsive exclusively to solar waves of the order of 1-centimeter wavelength, means for supporting said collector in a position in which its effective receptiveness is away from the direction of the sun whereby reflected solar energy of the order of 1-centimeter wavelength may be collected from reflecting objects, a radio receiver connected to said collector to be supplied with centimeter wavelength reflected solar energy and a facsimile-reproducing means connected



to said radio receiver to indicate visually the intensity of reflected energy which the collector receives.

2,458,655
PROCESS OF CASE-HARDENING METALS
Frank J. Sowa, Cranford, N. J.
No Drawing. Application February 4, 1944, Serial No. 521,123
5 Claims. (Cl. 148—14)

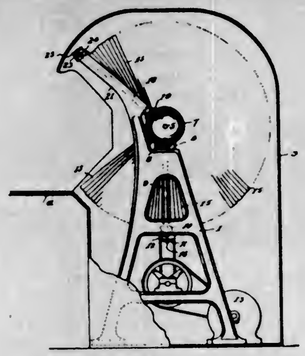
1. A process of case-hardening an article formed from a metal capable of cementation by carbon and silicon, comprising heating the metal to an elevated temperature at which carbon and silicon impregnation will occur and contacting the heated metal with the thermodecomposition products of an organo-silicon compound containing at least one organic radical selected from the group consisting of aliphatic, aromatic, alicyclic and heterocyclic radicals, at least one carbon atom of the radical being united directly to silicon.

2,458,656
ESTERS OF PIPERONYL CHRYSANTHEMUM CARBOXYLIC ACID
Martin E. Synerholm, Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc., a corporation of New York
No Drawing. Application March 26, 1946, Serial No. 657,349
3 Claims. (Cl. 260—338)

1. The compound piperonyl ester of 2,2-dimethyl-3-isobutenyl cyclopropane-1 - carboxylic acid.

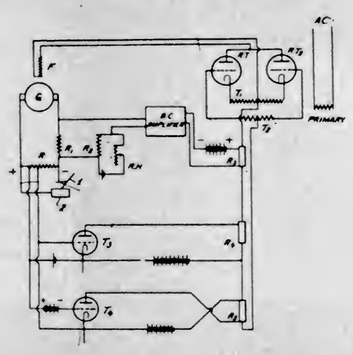
2,458,657
CARD INDEX OF THE ROTARY TYPE
George W. Torrence and Willis A. Calkins, Peoria, Ill.
Application February 5, 1944, Serial No. 521,208
7 Claims. (Cl. 40—35)

1. In a card index of the rotary type, in combination with a framing, a rotatable member supported thereon, and a series of abutting index data carrying tablets hingedly mounted each at one of its ends on the member, and each normally free to swing at its other end each having a socket therein, of a structure including mechanism adapted to rotate the member in a continuous manner and having a rotatable toothed portion whose teeth positively engage in the sockets of said tablets to advance certain of the latter with said member, and means driven by said mechanism also comprising a toothed portion whose teeth engage in said sockets of the tablets to positively control and advance the said tablets, the latter swinging individually in



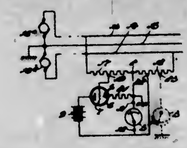
either direction on and with respect to the member, said means at a given position for inspection of the tablets adapted to release the same one by one.

2,458,658
ELECTRIC ARC WELDING
Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1944, Serial No. 531,854
19 Claims. (Cl. 315—302)



1. Electric welding apparatus comprising the combination of a welding circuit, a welding generator for supplying current to said welding circuit and having a field winding for supplying excitation to control the amount of current supplied to said welding circuit, means for supplying excitation current to said field winding, and control means connected to the welding circuit and to said excitation supplying means, said control means being responsive to the current in the welding circuit for causing said excitation current to change in inverse ratio to the welding current throughout the normal operating range of welding voltage, whereby the welding current is maintained substantially constant throughout said range of welding voltage.

2,458,659
DISCHARGE DEVICE FOR VOLTAGE MEASUREMENT
Antonius Wilhelmus Vingerhoets and Hendrik Nieuwdorp, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 27, 1946, Serial No. 665,392
In the Netherlands October 3, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 3, 1962
5 Claims. (Cl. 171—95)



5. Apparatus for indicating the voltage established between the output leads of a direct current source by means of a voltage indicator one of whose input terminals is connected to an intermediate point in said source, said apparatus comprising a first potentiometer having a tap and being connected between the negative lead of the source and the intermediate point, a second potentiometer having a tap and being connected between the positive lead of the source and the intermediate point, the said first and second potentiometers being of equal value, an electron discharge device having a cathode, a control grid and an anode, said grid being connected to the tap of said second potentiometer, a resistance connected between the intermediate point and said cathode, the value of said resistance being equal to the resistance existing between the tap of said first potentiometer and the intermediate point, an anode voltage supply connected between said anode and the tap of said first potentiometer, and means connecting the other input terminal of the voltage indicator to the tap of said first potentiometer.

2,458,660
PROCESS OF MAKING COMPOSITE METAL ARTICLES
Hugh G. Webster, Detroit, Mich., assignor to J. H. Shoemaker
No Drawing. Application January 23, 1943, Serial No. 473,397
1 Claim. (Cl. 117—51)

A three step process for coating the surfaces of alkali-resistant metals with a molten lead-tin alloy, which comprises preparing the metal for coating by cleaning it with a two step non-electrolytic process wherein each step is in the nature of a chemical reaction, and wherein the second step leaves no added finish to the surface, and wherein the first step comprises immersing the metal in a bath comprising a molten mixture of 1 part by weight of alkali metal nitrate and from 1.5 to 3.0 parts by weight of alkali metal hydroxide, and from 0.1 to 0.5 parts by weight of alkali metal chloride, for a period of time sufficient to remove any organic surface impurities and convert inorganic surface impurities to an oxidized coating, more readily soluble than were the original inorganic impurities, the operating temperature of the first bath being above the melting point of the molten mixture, that is to say, being in the range of 550° to 650° F., and wherein the second step comprises immersing the metal in a bath of such nature that when the

the direction of the sun whereby reflected solar energy of the order of 1-centimeter wavelength may be collected from reflecting objects, a radio

sockets of said tablets to advance certain of the latter with said member, and means driven by said mechanism also comprising a toothed por-

is maintained substantially constant throughout said range of welding voltage.

metal in a bath of such nature that when the

metal is immersed therein for a proper period of time, the bath will react chemically with the oxidized coating to remove it, so as to leave the surface free of the original impurities and of the oxidized coating as well, the second step, however, being such as not to expose at the surface other impurities, not previously existent, or not previously exposed, thus leaving the surface free of all impurities and consisting solely of the metal, and finally coating the surface thus cleaned, with the coating, the bath of the second step being a dilute acid selected from the class consisting of hydrochloric and sulfuric acids, and the immersion being sufficiently brief so as not to permit the acid to attack the metal, but merely to remove the oxidized coating formed by the first step.

2,458,661
PROCESS OF CLEANING METAL SURFACES AND COMPOSITIONS THEREFOR
Hugh G. Webster and Clarence L. Falter, Detroit, Mich., assignors to J. H. Shoemaker, Detroit, Mich.
No Drawing. Continuation of application Serial No. 431,168, February 16, 1942. This application January 29, 1944, Serial No. 520,332
2 Claims. (Cl. 134—3)

1. A two step non-electrolytic process for cleaning the surfaces of alkali resistant metals, wherein each step is in the nature of a chemical reaction, and wherein the second step leaves no added finish to the surface, and wherein the first step comprises immersing the metal in a bath comprising a molten mixture of one part by weight of alkali metal nitrate and from 1.5–3.0 parts by weight of alkali metal hydroxide, and from 0.1–0.5 part by weight of alkali metal chloride, for a period of time sufficient to remove any organic surface impurities and convert inorganic surface impurities to an oxidized coating, more readily soluble than were the original inorganic impurities, the operating temperature of the first bath being above the melting point of the molten mixture, and wherein the second step comprises immersing the metal in a bath of a dilute acid selected from the class consisting of hydrochloric and sulphuric acids, whereby when the metal is immersed therein for a proper period of time, the bath will react chemically with the oxidized coating to remove it, so as to leave the surface free of the original impurities and of the oxidized coating as well, the second step, however, being such as not to expose at the surface other impurities, not previously existent, or not previously exposed, thus leaving the surface free of all impurities and consisting solely of the metal, the immersion in the second bath being sufficiently brief so as not to permit the acid to attack the metal, but merely to remove the oxidized coating formed by the first step.

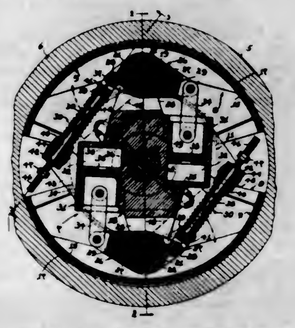
2,458,662
METHOD FOR PRESERVING THE EFFECTIVENESS OF A METAL CLEANING BATH
Hugh G. Webster, Detroit, Mich.
No Drawing. Application May 10, 1946, Serial No. 668,777
1 Claim. (Cl. 252—156)

A method for preserving the effectiveness of a metal cleaning molten alkali salt bath of the type wherein an excess of alkali salt carbonate is formed, either by atmospheric effects, or by chemical reactions arising during metal cleaning, which comprises removal of the carbonate from time to time as by precipitating it out of the bath and then removing it as a precipitate as follows: reducing the temperature of the bath to the solidification point, then increasing the temperature of the bath to the melting point, thus causing the carbonate, less soluble in the bath at the melting point than at higher temperatures, to precipitate out of the bath, and drop to the bottom, and quickly removing the carbonate precipitate.

2,458,663
MOLTEN SALT BATHS
Hugh G. Webster, Detroit, Mich., assignor to J. H. Shoemaker, Detroit, Mich.
No Drawing. Application November 22, 1946, Serial No. 711,795
1 Claim. (Cl. 252—156)

A process for removing objectionable sodium ferrite from a molten alkali-salt bath comprising molten alkali salts, molten sodium hydroxide and said objectionable sodium ferrite comprising passing steam into said bath to precipitate the ferrite, as a removable sludge, from the bath.

2,458,664
FLUID ACTUATED CLUTCH AND BRAKE MECHANISM
John N. Weiland, Cleveland, Ohio, assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio, a corporation of Ohio
Application May 2, 1947, Serial No. 745,517
14 Claims. (Cl. 192—17)

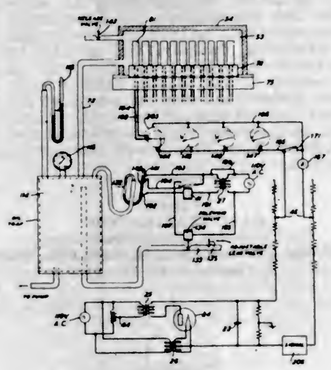


1. In clutch and brake mechanism a driving member, a driven member, means affording a stationary braking surface, unitary clutch and brake shoe means, a lever arrangement pivotally connected with said driven member and eccentrically pivoted to said clutch and brake shoe means, and actuating means for said lever arrangement, said lever arrangement adapted to shift said clutch and brake shoe means in opposite directions for selective clutching and braking engagement with said driving member and said stationary braking surface.

2,458,665
METHOD OF AND APPARATUS FOR MEASURING PRESSURE
Gerald W. Willard, Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 24, 1944, Serial No. 528,013
6 Claims. (Cl. 175—183)

1. Apparatus for selectively testing a plurality of sealed containers for gas leakage, each of which containers is provided with a pair of pin type external terminals electrically connected respectively to opposed electrodes enclosed by the

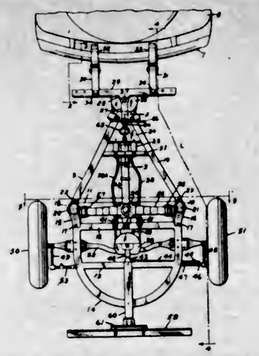
respective container, comprising a first plate for supporting a plurality of containers being tested, a second plate positioned to support said first plate, a gasket between said plates, said first plate having a plurality of apertures therein adapted to receive respective pin terminals of containers being tested, said second plate and said gasket each also having a plurality of apertures therein, respective apertures in said first and said second plates and in said gasket being in registry, an electrical contact member positioned in each set of registered apertures, each of said electrical contact members comprising a socket member positioned in a respective aperture of said first plate adapted to engage a respective pin terminal of the containers being tested and a bolt portion positioned in the respectively registered aperture in said second plate and the respectively regis-



tered aperture in said gasket, each of said electrical contact members having a shoulder portion, said shoulder portions being in contact with a surface of said gasket and acting in conjunction therewith to produce a gas-tight seal between said first and said second plates, means for lowering the ambient gas pressure at the upper surface of said first plate and within the apertures provided in said first plate to a point substantially below the pressure at which the containers being tested were sealed, a source of voltage, means for selectively applying a voltage from said source across respective pairs of said electrical contact members in any desired order, means for regulating the magnitude of the applied voltage, and means for indicating the magnitude of ionic current flow between the opposed electrodes of a respective container being tested.

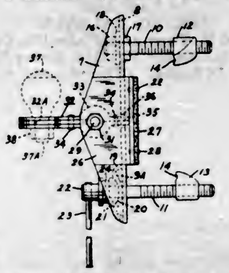
2,458,666
TRAILER DOLLY
Chester Williams, Ypsilanti, Mich.
Application November 30, 1945, Serial No. 631,899
7 Claims. (Cl. 280—33.55)

1. In a device of the character described, the combination of an axle, steerable wheels on said axle, a frame secured to said axle, said frame having forward and rearward sections pivoted together, means for connecting the forward section of the frame to an automobile bumper, means on said forward section for steering said wheels, means on said rearward section for supporting the front end of a trailer and a leaf spring secured at one end to said rearward section and



secured at the other end to an adjustable member carried by said forward section.

2,458,667
TRAILER HITCH
Chester Williams, Ypsilanti, Mich.
Application September 25, 1946, Serial No. 699,249
9 Claims. (Cl. 280—33.44)



1. In a device of the character described, the combination of a channel member having slots therein adapted to accommodate attaching bolts, attaching bolts in said slots, said bolts having lugs thereon adapted to engage opposite sides of an automobile bumper, a bearing plate pivotally secured to said channel member, and thrust plates on opposite sides of said channel member, the pivot of said bearing plate extending through the said thrust plates.

2,458,668
SKILL DEVICE
Russell A. Wood, Cambridge, Mass.
Application January 8, 1946, Serial No. 639,761
3 Claims. (Cl. 272—67)

2. An amusement device comprising a rod formed with a spiral groove extending for a substantial part of the length of the rod, smooth cylindrical sections on said rod at opposite ends of said spiral groove, a handle portion on said rod beyond one smooth cylindrical section, a trap groove in the rod at the opposite end of one smooth cylindrical section from the spiral groove, a second trap groove in the rod at the opposite end of the second smooth cylindrical section opposite the spiral groove and intermediate said

time to time as by precipitating it out of the bath and then removing it as a precipitate as follows: reducing the temperature of the bath to the

which containers is provided with a pair of pin type external terminals electrically connected respectively to opposed electrodes enclosed by the

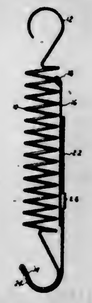
of the frame to an automobile bumper, means on said forward section for steering said wheels, means on said rearward section for supporting

end of the second smooth cylindrical section opposite the spiral groove and intermediate said

smooth cylindrical section and the handle portion, and a captive missile comprising a ball having a loop attached thereto circumposed on the rod and received in said spiral groove, whereby as the rod is gyrated at an angle to its axis in one direction or the other by means of said handle

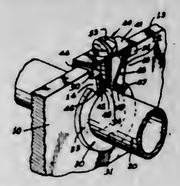
portion, the missile pulls outwardly away from the rod and in a direction along the spiral groove, and whereby the loop of the missile is caught in the trap grooves whenever the rod is unskillfully gyrated so as to cause the missile to travel too far axially outwardly along the corresponding smooth sections.

2,458,669
SPRING BALANCE
Wilfred H. Yeamans, Plainville, Conn.
Application December 10, 1946, Serial No. 715,260
5 Claims. (Cl. 265—63)



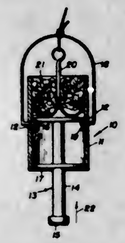
5. In a spring balance, the combination of an extensible coil spring formed of wire which is extended at its upper end to provide means for engagement with a support and which is extended at its lower end to provide a hook for engagement with an object to be weighed, the wire of the said hook being doubled back upon itself to provide an upward extending longitudinal indicating rod extending along one side of the spring, and a longitudinally graduated scale plate adjacent the last said side of the spring and having an integral loop at its upper end which engages a convolution of the spring near the upper end thereof, the said scale plate having an integral offset portion constituting a guide for longitudinal movement of the indicator rod and the graduations on the plate cooperating with the upper end of the rod to indicate the weight of the object to be weighed.

2,458,670
TUBE SUPPORT
John Young, Jr., Southgate, Calif., assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application September 10, 1945, Serial No. 615,449
14 Claims. (Cl. 248—56)



2. In a device for supporting an elongated member, the combination of: a mounting element provided with an opening therethrough and a slot extending inwardly from an edge thereof to communicate with said opening, said slot and said opening having rigidly defined walls and being so dimensioned that the elongated member may pass through said slot into said opening; and locking means extending through said slot into said opening for retaining said elongated member therein.

2,458,671
BAIT APPLICATOR
Carl J. Zirbel, Montezuma, Iowa
Application November 9, 1946, Serial No. 709,059
2 Claims. (Cl. 43—4)

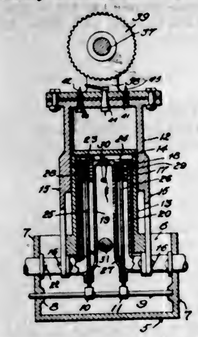


1. A bait applicator comprising in combination, a sleeve, a plunger and a pair of spaced discs provided thereon, said plunger being slidable in said sleeve, and means in said sleeve engageable selectively with said discs for restricting the extent of movement of said plunger.

2,458,672
RECIPROCATING CYLINDER INTERNAL-COMBUSTION ENGINE
Lawrence L. Zoch, Jr., Madison, Wis.
Application November 15, 1946, Serial No. 710,211
3 Claims. (Cl. 123—50)

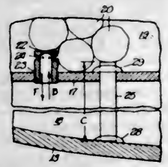
2. An engine of the character described comprising a stationary piston, a base, supporting means on the base for the stationary piston, a slide piston on the stationary piston containing a combustion chamber between itself and said stationary piston, ignition means in the chamber, fuel intake and exhaust means on the stationary piston, a cylinder in which the slidable piston operates, supporting means for the cylinder, a crank shaft mounted on the cylinder and having power take-off means and connecting

means between the crank shaft and the lower portion of the said slide piston, said intake and exhaust means consisting of conduits extending from openings in the stationary piston to the base and laterally through side portions of the



base, valve elements operative in said openings and having valve stems extending therefrom and downwardly through the conduits and through openings in the lower portions thereof, and a cam shaft having cams against which the rods bear.

2,458,673
FILTER UNDERDRAIN
Lawrence W. Bieker, Munster, Ind., and William J. Lewis, Chicago, Ill., assignors to Graver Tank & Mfg. Co., a corporation of Delaware
Application August 8, 1946, Serial No. 689,139
2 Claims. (Cl. 210—148)

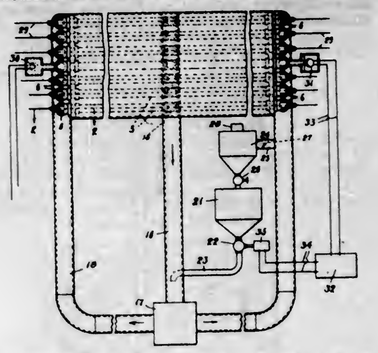


1. Apparatus of the filter type, comprising a steel tank; a steel underdrain plate in the bottom of said tank, said plate having elongated slots at positions distributed over the plate, and each of said slots having a periphery the length of which is several times the thickness of the plate; strainer nozzles distributed over said plate and spaced from said slots; flat steel bars secured to the bottom of the tank, upstanding therefrom toward said positions, and extending into said slots, each bar being welded to said plate by a continuous weld seam, on the top side of said plate, surrounding the respective bar.

2,458,674
DUSTING APPARATUS
Charles E. Blanchard, Randolph, and Albert W. Ferre, Wellesley, Mass., assignors, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application January 18, 1944, Serial No. 518,726
6 Claims. (Cl. 91—18)

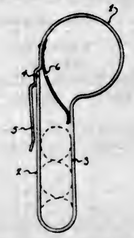
1. In dusting apparatus a tube, means for supplying dust laden air into said tube, a light source at one end of said tube, a photo-electric cell at

the other end of said tube, and means responsive to electric current variations from said cell caused



by variations in the dust density in said tube for adjusting said supplying means.

2,458,675
GAME HOLDER LINK
Ray H. Boehm, Racine, Wis.
Application October 18, 1945, Serial No. 623,097
1 Claim. (Cl. 224—7)



1. A game holder comprising a one-piece strip having an upper head receiving loop, terminating at its inner end with a tangentially disposed downwardly extended belt engaging tongue, the opposite end of said loop also having a downwardly extended clip-section folded upon itself to form an outer clip-section paralleling the inner clip-section, whereby a restricted neck receiving throat is formed, the upper end of the inner clip-section being secured to the base of the belt engaging tongue and extending tangentially from the receiving loop, and a leaf-spring secured to the loop having its free end extending across the neck receiving throat engaging the outer clip-section.

2,458,676
APPARATUS FOR ELECTROPLATING
Abner Brenner, Chevy Chase, Md., and Thelma Steinberg Meites, Princeton, N. J., assignors to the United States of America as represented by the Secretary of Commerce
Application July 22, 1947, Serial No. 762,782
2 Claims. (Cl. 204—201)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In an electroplating device provided with an electroplating current supply and a suitable receptacle for a plating bath, the improvement which comprises a portable ball retaining device

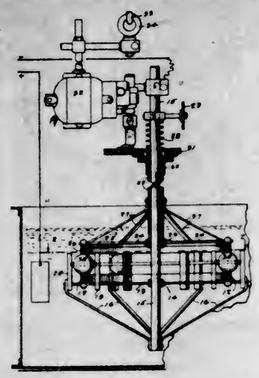
offset portion constituting a guide for longitudinal movement of the indicator rod and the graduations on the plate cooperating with the upper end of the rod to indicate the weight of the object to be weighed.

ber, fuel intake and exhaust means on the stationary piston, a cylinder in which the slidable piston operates, supporting means for the cylinder, a crank shaft mounted on the cylinder and having power take-off means and connecting

1. In dusting apparatus a tube, means for supplying dust laden air into said tube, a light source at one end of said tube, a photo-electric cell at

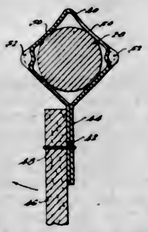
1. In an electroplating device provided with an electroplating current supply and a suitable receptacle for a plating bath, the improvement which comprises a portable ball retaining device

having a ring shaped cathode, a cathode supporting spider, two ball confining guide rings mounted on said spider, a friction ring of a diameter substantially the same as said ring cathode, a second



spider for said friction ring, means for rotating said friction ring with respect to said cathode and resilient means for axially pressing a plurality of balls to be electroplated between said cathode and said friction ring.

2,458,677
VISOR
Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application April 18, 1945, Serial No. 589,000
2 Claims. (Cl. 296—97)



1. In a slidable visor, a cylindrical shaped visor supporting rod, a frustro-conical shaped end portion carried by said rod, a block substantially square in external cross-section having a frustro-conical shaped bore frictionally engaging said end portion to yieldably resist turning movement of the block on the frustro-conical end portion, a visor supporting tube formed of resilient material embracing the cylindrical shaped portion of said rod and said block, said tube being substantially square in cross-section and with the sides thereof lying substantially in engagement with the surfaces of the block, said tube having opposite walls thereof spaced from each other a distance substantially equal to the diameter of the cylindrical portion of said rod, some of the side walls of said tube being bowed inwardly to frictionally and resiliently engage the periphery of the cylindrical portion of the rod to yieldably resist sliding movement of the tube relative to the rod, and a visor panel carried by said tube.

2,458,678
UNIDIRECTIONAL FLOW GEAR PUMP
George F. Bunte, Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 2, 1945, Serial No. 597,252
4 Claims. (Cl. 103—117)

2. A pump structure comprising a housing having a chamber therein, pumping means in said chamber comprising inner and outer eccentric rotor members having inter-engaging teeth forming pumping chambers between them, means for supporting and driving one of said rotors about an axis fixed with respect to said housing, said outer rotor being bodily shiftable in said first mentioned chamber in a plane perpendicular to said axis between two relatively different positions, said housing having inlet and outlet port means opening into said pumping chambers, said ports maintaining the same pumping relation regardless of which of said positions said outer rotor is in, and spring pressed means incorporated in the outer rotor adapted to be engaged by the inner rotor upon reverse rotation of the pump so as to effect shifting of the outer rotor from one position to a relatively different position.

2,458,679
PREPARATION OF VITAMIN-FORTIFIED MEALS
Loran O. Buxton, Maplewood, N. J., assignor to Nopco Chemical Company, a corporation of New Jersey
No Drawing. Application June 3, 1946, Serial No. 674,030
20 Claims. (Cl. 99—11)

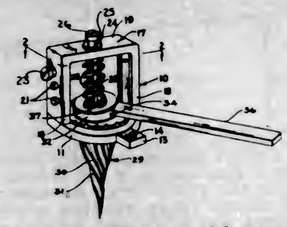
1. A process for preparing a free-flowing, oxidation-resistant, vitamin-fortified, edible vegetable meal which comprises thoroughly impregnating an edible vegetable meal by mixing therewith an oil containing fat-soluble vitamin material, ammonia and a solvent compatible with ammonia and miscible with a substantial proportion of the oleaginous matter in the mixture, said vitamin-containing oil being added in such quantity that the total quantity of oleaginous matter in the combined meal and vitamin-containing oil does not exceed 50% of the total weight of vegetable meal and vitamin-containing oil, and removing the ammonia and said solvent from the meal in such manner that substantially all of the oleaginous matter remains with the meal.

2,458,680
TREATMENT OF OIL-BEARING VEGETABLE MEALS
Loran O. Buxton, Maplewood, N. J., assignor to Nopco Chemical Company, a corporation of New Jersey
No Drawing. Application June 3, 1946, Serial No. 674,031
20 Claims. (Cl. 99—11)

1. A process for preparing a free-flowing, stabilized, oil-bearing vegetable meal which comprises thoroughly impregnating a vegetable meal

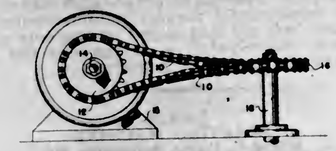
containing a substantial amount, but not over 50% by weight, of oleaginous matter and having unctuous exterior surfaces on the individual particles of the meal with a compatible mixture of ammonia and a solvent miscible with said oleaginous matter, and removing the ammonia and said solvent from the meal in such manner that substantially all of said oleaginous matter remains with the meal.

2,458,681
REAMER TOOL FOR PIPES AND THE LIKE
Thomas A. Caliendo, South Ozone Park, N. Y.
Application December 7, 1945, Serial No. 633,452
4 Claims. (Cl. 77—73)



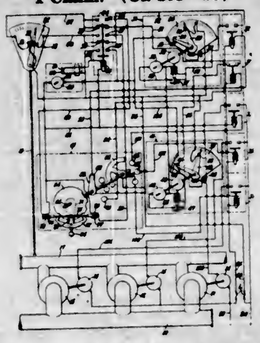
1. A manual pipe reaming tool for reaming out the burr from the cut end of a pipe comprising a ring, opposed guides, rectangular in cross section, extending from opposite sides of one face of said ring, said guides having opposed threaded orifices, a yoke having channeled legs slidably mounted on said guides and a cross bar connecting said legs, said legs each having a row of unthreaded orifices, set screws adapted to be disposed in correlated orifices of said legs and to be threaded in said guide orifices to adjustably secure said yoke to said guides, said bar having an unthreaded orifice concentric with said ring, a shouldered bolt in said bar orifice, a reamer having a conical head and a square stem, said stem having a threaded axial recess into which said bolt is screwed, a coil spring compressed between said head and yoke for normally urging said reamer away from said bar, said stem normally being spaced from said bar, and means for causing relative movement between said pipe and reamer to effect said reaming.

2,458,682
ROLLER BEARING CHAIN
Samuel Couper, Baltimore, Md.
Application August 1, 1947, Serial No. 765,327
5 Claims. (Cl. 74—245)



1. A roller bearing drive chain having a plurality of connected link members comprising individual link members having inner and outer side connecting members, the inner side members being provided adjacent their ends with apertures having at least two straight sides running parallel within the longitudinal axes of the said inner side members, the outer side members having apertures in each end thereof, a pin adapted to extend through one of the apertures in each of the inner and outer side members, a pair of sleeves, slidably receivable over the said pin, said sleeves having a shoulder formed on the outer ends thereof for engaging the straight sided apertures in the said inner side members, and a roller slidably receivable over the said sleeves and extending between the inner side members.

2,458,683
SEQUENCE CONTROL
Robert D. Cowherd, Atlanta, Ga., and William H. Stahl, Jr., Waterbury, Conn., assignors to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application January 7, 1943, Serial No. 471,620
1 Claim. (Cl. 103—25)

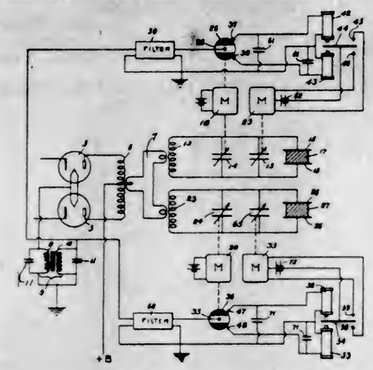


In combination, a plurality of devices operable to maintain a fluid pressure within a predetermined zone of values, gauging means responsive to said pressure and having electrical contacts operated when the pressure value passes outside said zone, a normally deenergized control relay having contacts in circuit with the first mentioned contacts when said control relay is deenergized, timing means in circuit with the contacts of said gauging means and with the said control relay contacts for energization when the contacts of said gauging means are operated and said control relay is deenergized, connections controlled by said timing means for causing said control relay to be energized at the end of a predetermined interval following energization of said timing means with resultant disestablishment of the connection between said control relay contacts and said timing means, means for deenergizing said control relay at the end of a predetermined time following energization thereof for reestablishing said connection between said control relay contacts and said timing means, means comprising a stepping relay and contacts brought into action upon successive operations thereof for bringing different ones of said devices into action to affect the value of said condition, and means comprising contacts controlled by said control relay for operating said stepping relay successively upon successive energizations of said control relay.

2,458,684
RADIO-FREQUENCY APPARATUS
Ervin L. Crandell, Boston, Mass., assignor, by mesne assignments, to Stevens-Arnold Inc., Boston, Mass., a corporation of Massachusetts
Application May 14, 1946, Serial No. 669,551
2 Claims. (Cl. 250—36)

1. Radio frequency apparatus comprising a thermionic tube, a plurality of load circuits cou-

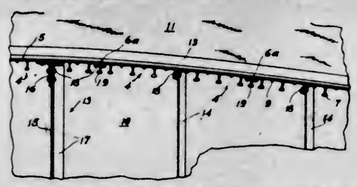
pled to said tube for receiving radio frequency energy therefrom, continuously operated means for each circuit for alternately increasing and decreasing the frequency to which the circuit is tuned, the continuously operated means for each circuit operating at a different frequency, tuning means for tuning each load circuit to resonance independently of said continuously operated means, a reversible motor for adjusting each tuning means, a transformer having a primary connected in the space current circuit of said tube, and means including means utilizing current from the secondary of said transformer and including frequency selective means for causing each motor to operate in one direction when its associated load circuit is tuned above resonance and to operate in the other direction when its associated load circuit is tuned below resonance.



2,458,685
METHOD OF MAKING TAMPONS
Joseph R. Crockford, New York, N. Y., assignor to Harry Badzinsky and Sidney W. Dean, Jr., both of New York, N. Y.
Application December 14, 1945, Serial No. 634,952
8 Claims. (Cl. 18—55)

7. In the method of making tampons, the steps of transversely severing a sheet of sponge material into a plurality of wedge-shaped sections, applying a withdrawal string to each of said sections, gripping each section and rotating the section, inserting the section into a guide and therefrom into a tubular passage while the section is being rotated to thereby compress the section and cause it to conform in shape to the interior of said passage, supporting an applicator tube and an inner push-tube in an upstanding position while said tubes are arranged telescopically and with a part of the applicator tube arising above the top of the push-tube, and forcing the compressed tampon section from the passage and into the applicator tube.

2,458,686
EXTRUDED SHAPE
Robert P. Davis, Jr., Manhattan Beach, Calif., assignor to North American Aviation, Inc., Inglewood, Calif., a corporation of Delaware
Application January 31, 1942, Serial No. 428,986
6 Claims. (Cl. 244—117)

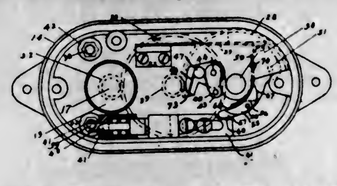


1. In aircraft stressed-skin wing construction including a spar having a web element and a flanged top chord element, an extended metallic covering element rigidly attached to the flange of said spar chord, the said covering element comprising a wall portion of uniform thickness, an outer smooth face of said wall portion forming the exterior surface of said aircraft wing, parallel integral ribs extending inwardly into said wing and longitudinally only in the direction of said wing spar, said ribs having integral terminal portions of bulbous cross-section spaced from said side wall portion adapted to form with the remainder of said covering element a stress-taking structural part of said wing construction of relatively high resistance to buckling in compression.

2. A blank for an aircraft stressed-skin panel formed from an extruded metallic section having an arcuate wall of relatively greater length and width than its uniform thickness, said wall having a plain surface on one side only adapted to be addressed to the airstream and a plurality of laterally spaced enlarged longitudinal reinforcing ribs extending radially from its opposite surface, said ribs having portions of bulbous cross-section at their free ends remotely spaced from the said wall portion to form therewith integral stiffeners of I-beam cross-section, said section adapted to be slit longitudinally intermediate a pair of said adjacent reinforcing ribs to form unbroken marginal attachment portions adapted to be bent laterally outward throughout its said width into a section of lesser curvature to cause said ribs to form substantially parallel reinforcements extending from the said second surface only of the finished stressed-skin panel opposite the said airstream-addressed plain surface.

2,458,687
BLASTING MACHINE
Alfred U. Davis, Baltimore, Md.
Application March 1, 1945, Serial No. 580,346
4 Claims. (Cl. 171—76)

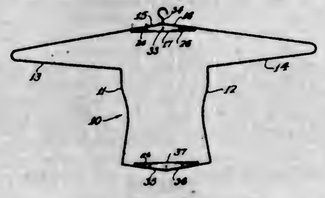
1. In a blasting machine of the class described, the combination of a train of gearing, a clutch incorporated in said gearing, an electrical source of energy actuated by said gearing through said clutch, a segmental element operable extraneously to said machine for actuating said train, a plurality of contacts in said machine, a resiliently biased hammer unit mounted on a pivot in the machine having a limited arcuate travel therein and including a hammer, and a plural faced cam thereon, to which a finger is loosely attached a trigger movable with said element arranged to engage on different faces of said cam during different phases of its travel, said trigger forcing the cam and hammer against their resilient tension to a cocked position from which they are immediately released as the trigger changes its phase of travel, whereby the hammer and finger working cooperatively are suddenly released to deliver a striking blow, and a movable pusher in guides attached to said machine and aligned with said contacts for momentarily bridging the contacts when struck by said finger.



2,458,688
WELDING CUPRO-NICKEL ALLOYS
Charles H. Davis, Cheshire, Conn., assignor to The American Brass Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application May 16, 1945, Serial No. 594,157
3 Claims. (Cl. 113—112)

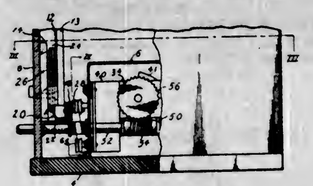
1. The improvement in welding parts made of a copper-nickel base alloy containing 10 to 35% nickel and the balance principally copper which comprises including in the copper-nickel base alloy of each of the parts to be welded from 0.02 to 0.1% magnesium, and heating said parts approximate the zone of the contemplated weld to the welding temperature in the absence of any flux and in the presence of a filler made of a copper-nickel base alloy containing 0.02 to 0.1% magnesium.

2,458,689
SWEATER BLOCKER
Meyer Davis, Chicago, Ill.
Application January 23, 1945, Serial No. 574,095
11 Claims. (Cl. 223—69)

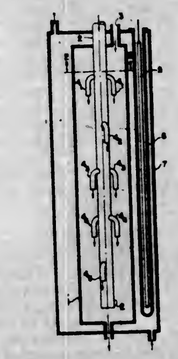


1. A sweater blocker, comprising side members each formed of resilient wire and adapted to conform generally with the sleeves and body of the sweater, a bracket for adjustably securing the upper ends of the wires together, means connected to the bracket for supporting the blocker, tapered keepers coacting with the bracket for holding the ends of the wires in the bracket, a bracket for adjustably securing the lower ends of the wires together, and tapered keepers coacting with the last named bracket for holding the lower ends of the wires in the bracket.

2,458,690
TUNING AND INDICATING MECHANISM
Francis A. Dawson, Kokomo, Ind., assignor to Kingston Products Corporation, Kokomo, Ind., a corporation of Indiana
Application April 3, 1946, Serial No. 659,234
12 Claims. (Cl. 250—16)

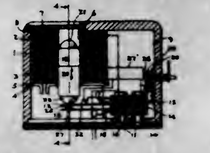


1. In a radio receiver or the like having a cabinet and a chassis supported in the cabinet, the improvements of a tuning mechanism movably mounted on the chassis, a tuning indicator movably mounted on said cabinet, a driving member movable in correlation with said tuning mechanism, said driving member being mounted on said chassis for movement parallel to the movement of said tuning indicator, a drive connection between said tuning indicator and said driving member, said drive connection including interengaging members automatically detachable upon removal of the chassis from the cabinet, one of said members including a cam surface for automatically shifting the other member to interengaging position by operation of said driving member following reinsertion of said chassis in the cabinet.

2,458,691
APPARATUS FOR CHLORINATION PROCESSES
Julian Dorsky, George W. Mattson, and Clarence M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y., a corporation of Delaware
Application October 15, 1946, Serial No. 703,276
2 Claims. (Cl. 250—43)

1. A photochemical apparatus for the chlorination of hydrocarbons comprising a straight glass reactor chamber transmissive of actinic light, a surrounding jacket for a heat removing liquid, a light transmissive enclosure in the liquid adjacent the outer wall of the glass reaction chamber and having lights therein, a coaxial

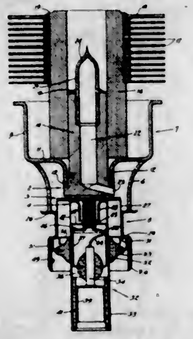
chlorine feed tube in the chamber and a multiplicity of jets projecting from the tube into the reaction chamber and pointing axially of the latter, the ends of the jets being spaced axially and circumferentially of the chamber.

2,458,692
DEVICE FOR MIXING DENTAL AMALGAMS
John Harry Downer, Toronto, Ontario, Canada
Application February 19, 1947, Serial No. 729,461
4 Claims. (Cl. 259—62)



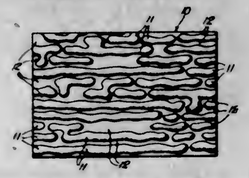
1. A device for preparing amalgams, comprising a solenoid magnet having a central opening, a core reciprocably arranged in the central opening of said magnet and having an amalgam mixing chamber therein, a loose impact member enclosed within said mixing chamber means extending across said magnet opening to check upward movement of said core, and a spring opening switch arranged below said magnet opening and closed by said reciprocable core under movement of said core to its lowermost position into engagement therewith to direct electric current intermittently through said coil to effect the reciprocation of said core.

2,458,693
ELECTRON TUBE
Donald F. Drieschman, Los Altos, and Radford Leonard, San Bruno, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Application January 25, 1946, Serial No. 643,286
10 Claims. (Cl. 250—27.5)



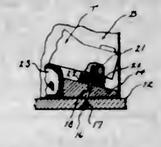
1. An electron tube having parallel plane electrodes, an envelope supporting an electrode at one end and having a tubular section at the other end, a pair of sleeves inserted in said tubular section and carrying others of said electrodes, one of said sleeves lying within the other sleeve, said tubular section and said sleeves having limit stops to establish predetermined spacing between the electrodes.

2,458,694
METHOD OF MAKING SPONGE RUBBER MATERIAL
Everett A. Eakins, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application November 13, 1944, Serial No. 563,150
8 Claims. (Cl. 18—53)



1. The method of making sponge rubber sheet material having surface protuberances which comprises, sheeting out blowing rubber stock while maintaining the temperature of the same below that which will produce a smooth surfaced sheet, whereby cold checks are formed on a surface of the material, and blowing and vulcanizing the material while unconfined whereby freely expanded protuberances are formed as a result of the cold checks.

2,458,695
COMBINATION SHIPPING AND DISPLAY PACKAGE FOR TYPEWRITERS
Frederick C. Edelston, Milwaukee, Wis., assignor to Clarvan Corporation, Milwaukee, Wis.
Application June 21, 1945, Serial No. 600,710
2 Claims. (Cl. 206—45.14)

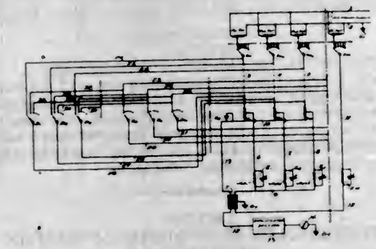


1. A combination display and moisture-proof package comprising a rigid base plate and a transparent moisture-proof bag on said base plate for receiving a machine to be protected, the machine being of the type having resilient cushion pads at its corners, internally threaded hollow screws for holding the pads on the machine, front and rear pairs of blocks arranged within the bag and under said pads, bolts extending through the base plate and blocks and threaded into said hollow screws, and spacing members on said bolts between the blocks and hollow screws of a sufficient height to hold the cushion pads above the blocks.

2,458,696
BRASSIÈRE HALTER
Solomon Elias, New York, N. Y.
Application March 9, 1946, Serial No. 653,252
2 Claims. (Cl. 2—42)

1. A strapless combination brassière and halter comprising a single piece of material adapted to encircle the body of the wearer with a wide front and a narrow rear portion and lapped ends, said piece of material being folded along one edge to form a hem, a line of stitching through said fold and the main body of the material, a strip of elastic extending through said hem, and a second line of stitching intermediate the first line of stitching and the folded edge and extending through the fold, centrally of the elastic strip, and the main body of the material, fasteners on the inner face of the hem adjacent one end, said elastic strip extending freely from the hem at the opposite end, and complementary fasteners on the extension of the elastic strip.

2,458,697
ELECTRICAL COMPUTER
Ellsworth B. Fenske, Lyons, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application November 10, 1947, Serial No. 784,963
2 Claims. (Cl. 235—61)



1. In an electrical computing apparatus suitable for solving a fixed number of unknowns and simultaneous equations, and having in combination, a suitable voltage supply, a multiplicity of voltage dividing means arranged into a plurality of circuits, calibrated means connective with said voltage dividing means for adjusting the latter to correspond with known coefficients and constants and operative to bring said circuits into balance, and indicating means to observe the balancing of said circuits, the improvement which comprises providing in combination therewith, a multiple deck switching means, a plurality of transposition circuits, wiring means connecting the decks of said switching means to said balanceable circuits of said computing apparatus, whereby but one deck connects to but one circuit, and additional wiring means in said transposition circuits connecting said decks with one another in a manner joining said voltage dividing means from one circuit to another within said computing apparatus, whereby an additional number of equations over and above the aforesaid fixed number may be solved conveniently on said apparatus.

2,458,698
COMBINED IRONING BOARD COVER AND IRON PAD OR PAD HOLDER
Fred Galbraith, New York, N. Y.
Application September 27, 1945, Serial No. 618,943
1 Claim. (Cl. 38—140)

A combination ironing board cover and iron pad, comprising a cloth casing for covering an ironing board, an iron pad disposed on said casing, a grommet engaged through one corner of said pad and said casing for pivotally supporting said pad, additional grommets mounted upon edge portions of said pad, and pins mounted on said

additional grommets and engageable with said casing.

2,458,699
FILM RACK
Abraham J. Ginsberg, New York, N. Y.
Application November 16, 1945, Serial No. 629,145
4 Claims. (Cl. 95—100)

1. A rack for holding photographic films for group developing, fixing and the like, comprising a relatively rigid frame having front and rear walls secured in relatively rigidly spaced apart relationship to define a carrier having open sides and an open top and a group of members held aligned in each of the open sides of said carrier and parallel to the front and rear walls to form side walls therefor, the totality of the widths of each aligned group being less than the distance between front and rear walls of the frame, the members of each group being free to spread apart to leave a space between adjacent members of the group, means normally operative to space apart the members of each group whereby films can be entered into said carrier through its open top with their edges received in said spaces between adjacent spread apart members and means for compacting said members so that the edges of films will be clamped therebetween.

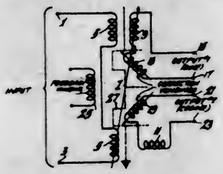
2,458,700
CORRECTION DEVICE FOR ELECTRONIC FUNCTION GENERATORS
Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application September 28, 1945, Serial No. 619,239
6 Claims. (Cl. 171—777)

1. Apparatus for deriving currents having instantaneous amplitudes equal to a non-linear function of the instantaneous amplitudes of applied currents including a variocoupler having a first winding responsive to said applied currents for establishing an alternating magnetic field and having a second winding coupled to said field and selectively rotatable through a predetermined

sleeve, said tubular section and said sleeves having limit stops to establish predetermined spacing between the electrodes.

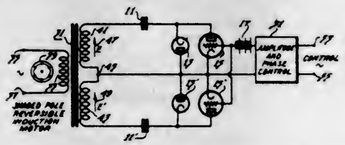
1. A strapless combination brassière and halter comprising a single piece of material adapted to

angle with respect to said first winding for deriving an output current, a compensating winding adustably oriented with respect to and coupled to said field and disposed externally of and eccentrically with said first winding for deriving com-



pensating currents, and means for combining said output current and said compensating currents to derive a combined current proportional to said applied currents and to said function of said rotation angle.

2,458,701
SHADED POLE MOTOR CONTROL
Maurice Leighton Greenough, Groveland, Mass., assignor to Radio Corporation of America, a corporation of Delaware
Application November 20, 1945, Serial No. 629,900
11 Claims. (Cl. 318—208)

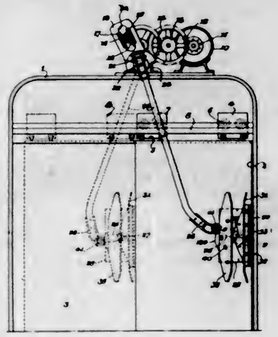


1. An electronic variable impedance network including a first source of alternating potential, a pair of thermionic tubes parallel connected in opposite polarity, a capacitor in series with said tubes, said tubes and said series capacitor being in shunt with said first source, a second source of alternating potential, unidirectional bias voltage means for said one of said tubes for establishing a loading control limit, and means connecting said second source to one of said tubes to vary simultaneously the conductance of both of said tubes to vary the loading of said first source.

3. A control circuit for a shaded-pole induction servomotor having a shading winding including a first source of alternating potential coupled to said motor and said winding, a pair of thermionic tubes parallel connected in opposite polarity, a capacitor in series with said tubes, said tubes and said series capacitor being connected in shunt with said winding, a second source of alternating potential, unidirectional bias voltage means for said one of said tubes for establishing a loading control limit, and means connecting said second source to one of said tubes to vary simultaneously the conductance of both of said tubes to vary the loading of said shading winding and the rotation of said motor.

2,458,702
ELEVATOR HATCHWAY DOOR OPERATOR
Randall Hains, Boonton, N. J., assignor to Elevator Supplies Company, Inc., Perth Amboy, N. J., a corporation of New Jersey
Application February 14, 1947, Serial No. 728,574
10 Claims. (Cl. 187—52)

1. A door clutch for an elevator system comprising a support, a pair of shoes, one of which is relatively fixed and the other of which is relatively movable on said support, means for pivotally supporting the latter for movement towards and away from the former while maintaining parallelism therewith, a cam attached to the



latter, a lever pivotally mounted on said support for movement relative to said cam and having a cam follower on the free end thereof, and means for effecting oscillation of said lever whereby said relatively movable shoe is moved towards and away from said relatively fixed shoe.

2,458,703
REDUCTION OF COMPOUNDS OF SILICON AND HALOGEN
David B. Hatcher, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application June 11, 1947, Serial No. 754,073
6 Claims. (Cl. 23—14)

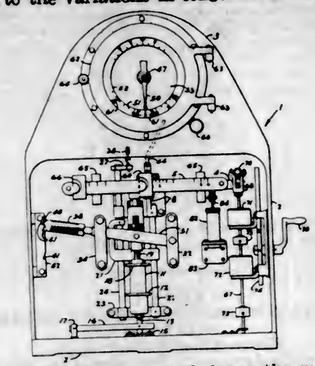
2. A method of reducing a compound having the general formula

in which X is halogen and each of the radicals R^1, R^2 and R^3 is of the class consisting of halogen and hydrogen, that comprises contacting silicon with a mixture of such compound, hydrogen and a substance of the class consisting of aluminum trichloride and aluminum tribromide at an elevated temperature.

2,458,704
SPRING TESTING SCALES
Halvor O. Hem, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application October 31, 1944, Serial No. 561,201
5 Claims. (Cl. 73—161)

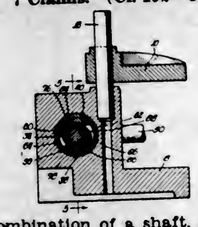
1. Mechanism for testing the rate of a spring by comparison with the known rate of a standard spring, comprising, in combination, a lever, a spring support member pivotally connected to said lever, a series of weights for applying predetermined moments to said lever, an indicator for indicating movement of said lever and means for varying the load supporting length of a spring

acting on the spring support through distances equal to the variations in length of a standard



spring required to counterbalance the moments applied to said lever by each of said weights.

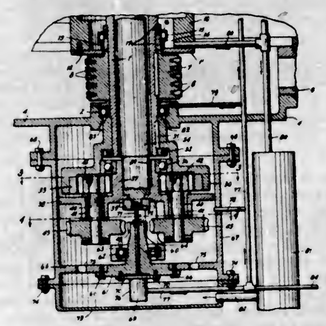
2,458,705
LOCKING MECHANISM FOR JIGS AND THE LIKE
Mathew Hitselhammer, Highland Park, Mich., assignor to Domestic Industries, Inc., Chicago, Ill., a corporation of Delaware
Application February 22, 1945, Serial No. 579,278
7 Claims. (Cl. 192—8)



1. The combination of a shaft, means providing journals for said shaft including a wall structure having a recess adjacent one end of said shaft, actuating means for controlling the operation of said shaft comprising a cam fixed to said shaft, an housing mounted within said recess in embracing relation to said cam, said housing having at least one shoe movably mounted therein, and a spring element secured to said housing and interposed between said cam and said shoe, said cam having engagement with said spring in either direction of rotation of said housing for rotating said shaft and having a cam surface engageable with said spring to move said shoe outwardly into engagement with the wall of said recess to lock said shaft against movement when said housing and cam are rotated in one direction relative to each other.

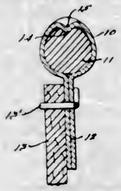
2,458,706
DIFFERENTIAL GEARING FOR CENTRIFUGAL MACHINES
Andrew F. Howe, St. Louis, Mo., assignor, by mesne assignments, to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo., a corporation of Missouri
Application May 14, 1945, Serial No. 593,595
7 Claims. (Cl. 74—280)

1. Mechanism of the character described comprising a rotary outer tubular shaft, connections for positively rotating said shaft, an inner shaft within and coaxial with said outer shaft and extending beyond one end thereof, a gear attached to said outer shaft for rotation thereby, a support attached to said inner shaft, a rotary pinion mounted on said support in permanent mesh with said gear, a spiral gear attached to said pinion, a worm carried by said support engaging said



spiral gear and preventing rotation of said pinion by said first gear and leaving said pinion free for planetary movement by said first gear to rotate said inner shaft when said tubular shaft and said first gear are rotated as aforesaid, and spiral gearing for rotating said first spiral gear and thereby said pinion relative to said gear and thereby controlling rotation of said inner shaft differentially from said outer shaft.

2,458,707
VISOR
Fred L. Jacobs, Grosse Pointe, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application February 23, 1946, Serial No. 649,688
2 Claims. (Cl. 296—97)



1. In a sun visor for motor vehicles, a cylindrical support rod having a longitudinal groove throughout a substantial portion of its length, a shield member having a tube portion of resilient material adapted to engage said rod in telescoping relation, said tube portion being provided with a plurality of indentations disposed longitudinally along its length, said indentations being adapted to engage said groove in one angular position of said shield member thereby to facilitate sliding of said tube on said rod and to frictionally engage said rod in other angular positions of said shield member whereby said shield member is held in various angularly adjusted positions.

10 Claims. (Cl. 187—52)

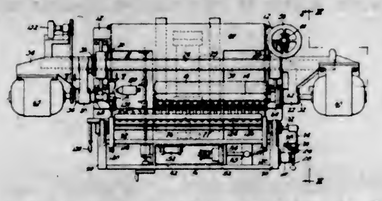
1. A door clutch for an elevator system comprising a support, a pair of shoes, one of which is

determined moments to said lever, an indicator for indicating movement of said lever and means for varying the load supporting length of a spring

1. Mechanism of the character described comprising a rotary outer tubular shaft, connections

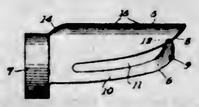
tions.

2,458,708
POLISHING AND GLAZING MACHINE
Carl O. Johnson, Springville, and William C. Burt, Olean, N. Y., assignors to Clair Manufacturing Company, Inc., Olean, N. Y.
Application November 6, 1947, Serial No. 784,410
7 Claims. (Cl. 51—85)



4. In a polishing and glazing machine for finishing curved surface work pieces, a pair of parallel rolls, means to drive the rolls, a work holder adapted to mount a plurality of work pieces with the curved surface portions thereof extended toward the gap between said rolls, said holder being carried by said machine by means of pivotal connections therewith whereby upon pivoting of said work holder the extended work pieces are displaced to reciprocate in directions transversely of the polishing gap between the rolls and at the same time oscillated so that the work piece curved surfaces float peripherally of one of said rolls.

2,458,709
FINGERNAIL GUARD
Jean H. Kayer, Hollywood, Calif.
Application August 31, 1946, Serial No. 694,181
7 Claims. (Cl. 2—21)

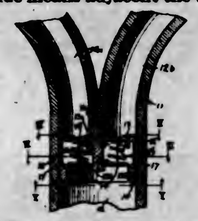


1. A fingernail protector including: a band effective to mount the nail protector on the outermost joint of the finger to thereby immobilize said joint; a nail guard supported by an integral upwardly curved forward extension of said band and spaced thereby from the fingernail; and a strap-like finger tip engaging portion formed integral with said band and effective to prevent inward displacement of the protector, but separate from the nail protector to afford access of air to the fingernail, said strap-like portion being formed to expose the under portion of the end joint of the finger upon which it is mounted.

2,458,710
MULTIPLE CHECK VALVE
Leslie A. Kempton, St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application December 6, 1946, Serial No. 714,515
5 Claims. (Cl. 277—60)

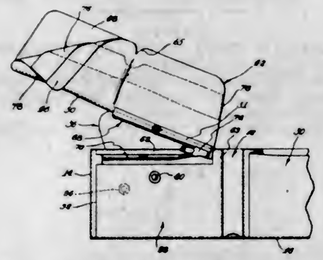
3. A double check valve comprising a hollow cylinder bisected by a partition wall, a cruciform-shaped end wall at one end of said cylinder, ports in said end wall and side walls of the cylinder on opposite sides of the partition wall, D-shaped valve seats on said cylinder on opposite sides of the partition wall at the bases of said ports, fragmental circular flat valve disks coacting with said seats, coil springs compressed between the end

wall and the disks urging the disks against the seats, and guide means adjacent the disks extend-



ing between the end wall and seats for directing the disks on and off of the seats.

2,458,711
WALLET WITH AUXILIARY OR SECRET BILLFOLD
Simon Knee, Newark, N. J.
Application January 5, 1946, Serial No. 639,168
2 Claims. (Cl. 150—36)

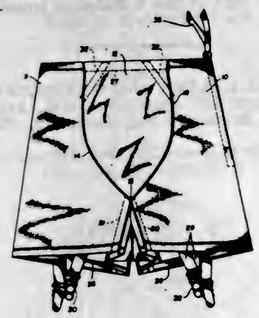


1. In a container having a pocket provided with an opening, a foldable holder for paper money or other papers movably positioned in said pocket and removable therefrom through said opening thereof, said holder being foldable along a transverse line and being in folded condition when positioned in said pocket and while being removed therefrom, said holder when removed from said pocket being unfoldable to a flat condition, said holder comprising two parts joined at a longitudinally extending edge of the holder, said pocket and its opening being shorter than said holder when the latter is unfolded so that said holder must be folded in order to be inserted in said pocket and can be unfolded only when removed from said pocket, said fold line being transverse to said pocket opening and said longitudinally extending edge of the holder, said holder when unfolded being at least as long as paper money but narrower than the latter, and means in said holder between said parts thereof for retaining paper money in the holder with such money folded longitudinally about said means as well as transversely at said fold line of said holder.

2,458,712
CONVERTIBLE FOUNDATION GARMENT
Richard S. Kops, Scarsdale, N. Y., assignor to Kops Bros., Inc., New York, N. Y., a corporation of New York
Application June 26, 1948, Serial No. 35,481
7 Claims. (Cl. 2—43)

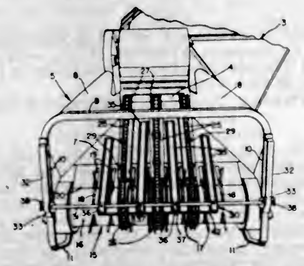
4. A foundation garment comprising a body encircling member having transversely elastic portions arranged to exert a body confining

action, said member extending from the waistline of the wearer to a point below the buttocks, said member having a slit extending upward from the lower edge thereof at the centers of the front and back portions of said member to points intermediate the top and bottom edges of said member, the free edges formed by each slit having complementary fastening means secured thereto, said fastening means comprising hooks at one



edge and eyes at the other edge of each slit, said fastening means at each slit being adapted to be interconnected to provide a continuous section across the body of the wearer to provide a firm confining action in the region of the hips, and a detachable crotch piece having similar complementary fastening means adapted to be secured to the edges of said slits, when they are not interconnected, to convert said garment into a pantie girdle.

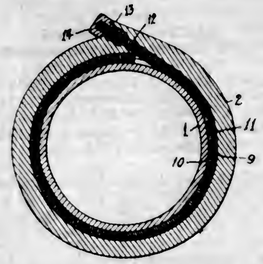
2,458,713
CROP COMPRESSOR
Francis Linderer, Boise, Idaho, assignor, by mesne assignments, to Deere Manufacturing Co., a corporation of Iowa
Application January 18, 1946, Serial No. 642,081
1 Claim. (Cl. 56—364)



In a harvester having crop-gathering means at its forward end including crop-conveying means rearwardly thereof and supporting means including a pair of laterally spaced upright supports respectively at opposite outer sides of the crop-gathering means: a crop-compressor comprising a shaft disposed transversely between the supports and having opposite end portions projecting respectively outside the supports, means mounting the shaft on the supports for rocking movement generally about its major axis and for limited vertical floating movement relative to the crop-gathering means, a presser member fixedly

connected to the shaft and extending rearwardly therefrom to have a portion remote from the shaft positioned over the crop-conveying means, a pair of arms separate from the presser member and fixed to said opposite end portions of the shaft and extending generally rearwardly therefrom respectively at opposite sides of the supporting means and respectively outside the opposite sides of the crop-conveying means, each of said arms terminating substantially midway between the shaft and the remote portion of the presser member, and a pair of tension springs connected respectively to the terminal portions of said arms and to the supporting structure and tending to turn the shaft to press both the remote portion and the shaft-connected portion of the presser member downwardly against crops moving over the crop-conveying means.

2,458,714
COUPLING
Frank D. Mahoney, San Francisco, Calif.
Application March 5, 1946, Serial No. 652,009
1 Claim. (Cl. 285—97.3)



In a coupling, two tubular conduits having adjacent ends positioned one inside the other and arranged for pivotal adjustment, the inner conduit having an annular shoulder for engagement by the end of the outer conduit, an annular bushing interposed between the joined ends of the conduits, the said bushing having an end abutting an annular shoulder on the inner conduit and its opposite end formed with an annular beveled edge, an annular seat formed at the inner surface of the outer conduit and positioned adjacent the beveled end of the bushing, a resilient sealing ring positioned inside the annular seat and arranged with one side thereof exposed to the fluid passing through the coupling and its opposite side extending between the beveled end of the bushing and the outer surface of the inner conduit, whereby the pressure of the fluid passing through the coupling will urge the sealing ring into sealing relationship with the inner conduit, the sealing ring and the outer conduit.

2,458,715
METHOD OF PREVENTING SCALING
William J. Marencik and Robert E. Ahlf, Cleveland, Ohio, assignors to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application August 25, 1944, Serial No. 551,194
1 Claim. (Cl. 78—81)

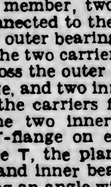
The method of preventing scaling of a hollow metal blank during a hot forging operation, which comprises applying to the internal surface of said blank, while substantially clean and at a temperature below that at which scale would form, an aqueous suspension of a finely divided

valve seats on said cylinder on opposite sides of the partition wall at the bases of said ports, fragmental circular flat valve disks coacting with said seats, coil springs compressed between the end

7 Claims. (Cl. 2—43)

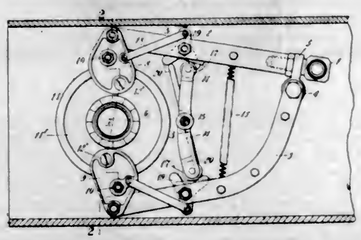
4. A foundation garment comprising a body encircling member having transversely elastic portions arranged to exert a body confining

semi-fused frit capable of forming a glassy coating on fusion that is adherent to the metal surface, preliminarily heating said blank to around 200° F. to dry said frit and form a relatively hard adherent layer, subjecting the exterior of said blank to a forging operation at a temperature



sufficiently high to cause said frit to fuse and form a protective coating over such internal surface and thus prevent the formation of scale and oxides during said forging operation and maintaining said coating over such internal surface until the completion of said forging operation.

2,458,716
CLUTCH GEARING
Donald Marcus Kelway Marendaz, Bergh Apton, England
Application April 25, 1945, Serial No. 590,171
In Great Britain December 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 17, 1963
3 Claims. (Cl. 74—126)



1. A drive comprising in combination a rotary driven member having an anular flange of T-shape cross-section, a reciprocable driving member, means for transmitting the driving power from the said reciprocable driving member to the said rotary driven member, the said means comprising a pair of divergent links connected at one end to the reciprocable driving member and extending to diametrically opposite sides of the rotary driven member, two carriers respectively pivotally connected to the other end of the divergent links, an outer bearing member mounted on each one of the two carriers for engagement with and right across the outer surface of the top part of the T-flange, and two inner bearing members mounted on the carriers for respective engagement with the two inner surfaces of the top part of the T-flange on either side of the vertical web of the T, the plane containing the axes of the outer and inner bearing members on each carrier making an angle with the plane containing the axis of the rotary driven member and the axis of the outer bearing member, and the one angle being in advance of and the other one lagging with respect to the said plane containing the axis of the rotary driven member, and resilient means for urging the divergent links towards each other and thereby pressing the outer bearing member against the annular flange, whereby the alternate to and fro movements of the two divergent links produced by the to and fro movements of the reciprocable driving member cause the two sets of bearing members mounted on the diametrically arranged carriers alternately to grip and release the annular flange and therewith the rotary driven member, and whereby the grip applied by the bearing members to the top part of the T-flange is equalised with respect to the vertical web of the T.

2,458,717
BULL HALTER AND CONTROLLER
Henry Masbruch, Platteville, Wis., assignor to Russell Manufacturing Company, Platteville, Wis.
Application February 25, 1944, Serial No. 523,954
2 Claims. (Cl. 119—104)

1. A bull halter and controller comprising a pair of spaced plates shaped to fit the areas of the bull's head surrounding the eyes, adjustable means to hold the plates securely against said areas irrespective of their spacing, each plate having a blinder which is open only on the under side so as to prevent sight if the bull lowers his head for an attack while permitting limited vision downwardly, and an outwardly turned lower edge on the plate located below the blinder to assist in preventing dirt and debris from lodging in the blinder.

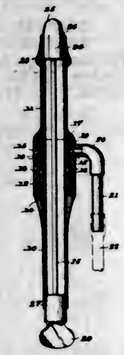
2,458,718
STABILIZATION OF SULFUR TRIOXIDE
Harold G. McCann, Flushing, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application February 9, 1946, Serial No. 646,699
15 Claims. (Cl. 23—174)

14. The method of stabilizing material of the group consisting of sulfur trioxide and oleum of SO_3 strength not less than 99.5%, which method comprises incorporating with said material a compound of the class consisting of the oxides and halides of boron and the inorganic derivatives thereof, in amount equivalent to not more than 1.5% by weight of boron, said compound containing substantially no free water nor water of constitution, and then subjecting the resulting material to heat treatment.

2,458,719
COLONIC DEVICE
William Reed McCormick, Chicago, Ill., assignor to A. Yates Dowell, Washington, D. C.
Application June 13, 1946, Serial No. 676,531
7 Claims. (Cl. 128—229)

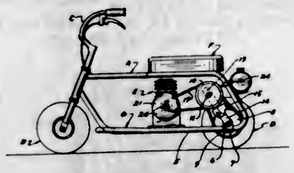
1. An implement for the treatment of the human anatomy comprising inner and outer con-

nected aligned pipe sections providing a relatively straight unobstructed passage therethrough, said inner section having a reduced portion and said outer portion having an enlarged portion providing an annular chamber therebetween, a plurality of spaced orifices through said inner section providing communication between said chamber and said passage, an inlet pipe having communication with said chamber through said outer section for



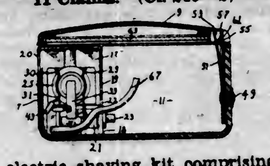
admitting fluid into said passage, a plug for each end of said passage, a rod connecting said plugs, one of said plugs closing the end of said passage and the other of said plugs being of a diameter less than that of said passage to permit flow of fluid therearound, and a gripping portion whereby said plugs and connecting rod may be withdrawn to permit rapid discharge through said passage.

2,458,720
POWER TRANSMISSION DRIVE ADJUSTMENT
Harry J. Mertz, Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Original application August 30, 1945, Serial No. 613,640. Divided and this application November 12, 1946, Serial No. 709,379
2 Claims. (Cl. 74—242.10)



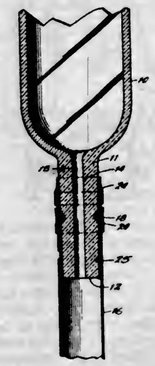
1. Mechanism for transmitting power from a rotary driving member to a rotary driven member having relatively fixed axes, comprising a speed change rotary member operationally interposed between the driving and driven members and respectively connected therewith by flexible power transmitting elements, a bracket fulcrumed coaxially with one of the first two mentioned rotary members and for supporting said speed change member, said bracket including two sections pivotally connected to each other and relatively adjustable about such pivot connection to regulate the effective length of the bracket.

2,458,721
ELECTRIC SHAVING KIT
Howard F. Nenno, Rochester, N. Y.
Application February 28, 1946, Serial No. 650,765
11 Claims. (Cl. 240—2)



1. An electric shaving kit comprising a body having a bottom and side walls and an open top, a cover member hinged to said body substantially at the rear edge thereof and adapted to be swung from a closed position closing the top of said body to an open position inclined upwardly and rearwardly from said rear edge of said body, a mirror mounted on the inner face of said cover member, a tubular incandescent electric light bulb mounted in said body close to the front edge thereof and extending approximately parallel to the front wall of the body, a light-diffusing translucent housing member extending substantially the full length of said front wall of the body and having a top wall over said bulb through which light may be transmitted upwardly and a rear wall lying to the rear of said bulb through which light may be transmitted rearwardly in a general direction toward said mirror when said cover member is open; said rear wall of said housing member being spaced substantially forwardly from the rear wall of said body to provide between them a compartment of substantial size for containing an electric razor, an electric outlet plug mounted in said body in position so that an electric razor may be plugged into it, and a flexible electric cord for supplying current to said outlet plug and to said bulb.

2,458,722
TUBING SET
Maurice M. Nesset, Glenview, and Edward J. Nawoj, Chicago, Ill., assignors to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware
Application November 2, 1942, Serial No. 464,300
9 Claims. (Cl. 285—84)



1. A tubing set for transmitting liquids, comprising a rigid tube having a groove extending transversely about the periphery of an interme-

the axis of the outer bearing member, and the one angle being in advance of and the other one lagging with respect to the said plane containing the axis of the rotary driven member, and resilient means for urging the divergent links towards each other and thereby pressing the outer

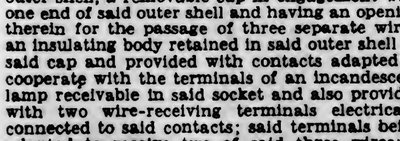
William Reed McCormick, Chicago, Ill., assignor to A. Yates Dowell, Washington, D. C.
Application June 13, 1946, Serial No. 676,531
7 Claims. (Cl. 128—229)

1. An implement for the treatment of the human anatomy comprising inner and outer con-

1. A tubing set for transmitting liquids, comprising a rigid tube having a groove extending transversely about the periphery of an interme-

diate portion of the end thereof and a thin flexible, substantially inelastic tube received snugly about said end of the rigid tube and overlying the groove therein, the end of said rigid tube having a longitudinal dimensionally constant peripheral surface extending thereabout adjacent said groove, receiving the inelastic tube in snug peripheral engagement therewith and means extending transversely about said inelastic tube and overlying said groove to secure the inelastic tube within the groove and prevent longitudinal movement of the tubes with respect to each other.

2,458,723
ELECTRODE HOLDER
Gustaf F. Nilsson, Minneapolis, Minn.
Application April 5, 1947, Serial No. 739,613
2 Claims. (Cl. 219—8)



1. In an electrode holder an elongated case, a plunger slidable along said case, said plunger having a V-shaped groove in one end of the same opening laterally of said plunger for the reception of a welding electrode, a spring secured to said plunger and extending along said groove, a jaw on said spring adapted to urge the electrode toward the vertex of said groove and means on said case for moving said jaw inwardly toward the apex of said groove upon longitudinal movement of the plunger within said case.

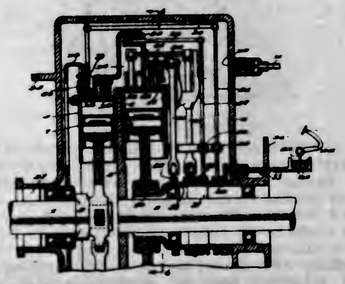
2,458,724
INCANDESCENT LAMP SOCKET
Priscilla M. Parissi and Anthony J. Parissi, Cohoes, N. Y.
Application January 4, 1946, Serial No. 638,992
7 Claims. (Cl. 315—75)

1. An incandescent lamp socket comprising an outer shell, a removable cap in engagement with one end of said outer shell and having an opening therein for the passage of three separate wires, an insulating body retained in said outer shell by said cap and provided with contacts adapted to cooperate with the terminals of an incandescent lamp receivable in said socket and also provided with two wire-receiving terminals electrically connected to said contacts; said terminals being adapted to receive two of said three wires; a thermostatic switch positioned within said socket between said cap and said insulating body and including a resistance heating coil forming a shunt around said switch for electrically heating said switch to close the same, means electrically connecting one terminal of said switch and one terminal of said coil to one of said contacts, and means electrically connecting the other terminals of said switch and coil, respectively, and adapted to be electrically connected to the third of said three wires.

2,458,725
PLIERS
Glenn W. Periman, Los Angeles, Calif.
Application September 14, 1944, Serial No. 553,970
6 Claims. (Cl. 81—51)

1. In pliers, handle and jaw members pivoted to each other, means to prevent the jaw members from coming together comprising a sliding block, the handle members having converging faces upon one of which the block is slidable and to which it is connected and the other of which the block engages in its adjusted positions, a boss on one of said converging faces and means adjustably carried by the boss and revolubly connected with the block to move the block along one of said faces and to maintain the block in its adjusted position.

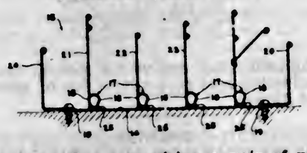
2,458,726
PNEUMATIC VARIABLE TORQUE TRANSMISSION
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application March 24, 1943, Serial No. 480,409
4 Claims. (Cl. 60—62)



1. The combination of a prime mover having a rotating drive shaft, a driven shaft, a transmission connecting said shafts comprising an air compressor adapted to transmit the torque of

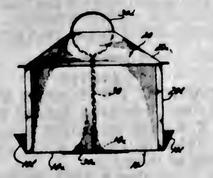
said drive shaft directly to said driven shaft, said compressor having pistons which reciprocate at a speed equal to the differential speeds of said shafts and which are adapted to pump air in an amount proportionate to their speed of reciprocation, a motor driven by the air pressure produced by said compressor to produce a torque, and means transmitting the torque of said motor to said driven shaft for addition to the torque impressed directly on said driven shaft by said compressor, said compressor having inlet valves and said motor having outlet valves, all of said valves opening into a common chamber containing air maintained at a pressure substantially above atmospheric.

2,458,727
BIRDPROOFING
Julius Stanley Peles, New York, N. Y.
Application June 27, 1944, Serial No. 542,348
9 Claims. (Cl. 20—1)



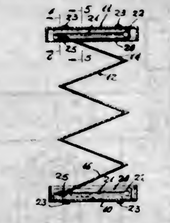
1. Bird proofing comprising a pair of parallel separate resilient track wires, each having base portions in longitudinal alinement with open-ended loops at spaced intervals between said base portions extending vertically therefrom, with restricted neck portions near said base portions, and a plurality of separable wire elements, each comprising a pair of parallel fingers and an interconnecting portion transverse to the track wires, each of said transverse portions having a pair of spaced closed loops therein normal to said fingers arranged to be seated on the base portions of the track wires, opposite inner sides of the loops in said elements being arranged to be engaged under pressure by the neck portions of the loops in the track wires to maintain the fingers in substantially vertical positions.

2,458,728
MOLDING TOY
Bernadette Pihak, La Salle, Ill.
Application June 18, 1947, Serial No. 754,525
6 Claims. (Cl. 46—46)



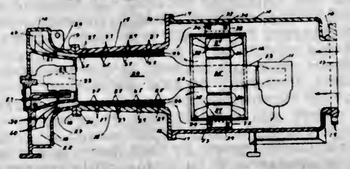
1. A molding toy set comprising a shallow tray mold defining an interior cavity corresponding to a building structure base, an open bottom, box-like, thin walled main mold defining an interior cavity corresponding to a building structure mountable on said molded base, the bottom portions of said base mold being receivable in said tray in nested relation, said tray mold and said main mold having apertures through the base and top portions thereof respectively, said apertures being aligned in the nested position of said molds, and a molding tool having a handle and an enlarged working portion, said handle being insertable through said aligned apertures to bring said enlarged working portion of said tool into engagement with said tray, whereby said tool secures said molds together in unitary assemblage.

2,458,729
BOOK BOX CONSISTING OF ACCORDION FOLDED PAGES IN A BOX
Irving Politzer, New York, N. Y.
Application June 16, 1945, Serial No. 599,779
3 Claims. (Cl. 40—102)



1. A book in a box, comprising an open top box provided with a cover, track-like strips mounted within said box and within said cover and having slots connecting with enlarged circular openings at the front ends, a strip of accordion folded pages for engagement in said box and having bar-like strips attached to the end portions of its top and bottom pages, and the ends of said bar-like strips being slidably and non-rotatively engaged in said slots and being turnable in said enlarged circular openings.

2,458,730
REFRIGERANT COMPRESSOR
Alexander I. Ponomareff, Havertown, Pa., assignor, by mesne assignments, to Westinghouse Electric Corporation, a corporation of Pennsylvania
Application November 20, 1946, Serial No. 711,006
11 Claims. (Cl. 230—117)



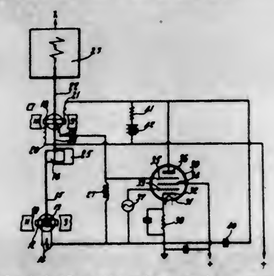
1. A refrigerant compressor comprising a casing having a suction passage for refrigerant vapor, and a diffusion passage including an annular passage curving outwardly to provide a compressed refrigerant vapor outlet directed transversely of the compressor axis; a rotary spindle within the casing having journal portions at its upstream and downstream ends, and a hub adjacent the downstream journal portion, said hub cooperating with the casing to provide a blade passage connecting the suction and diffusion passages, said blade passage being axially aligned with the suction passage and converging toward the diffusion passage; axial-flow blading in the blade passage and including a plurality of rows of rotary blades carried by the hub and guide vanes carried by the casing; bearings carried interiorly by the casing for said journal portions, and an electric motor for driving the spindle and arranged in the suction passage so that the stream

cooperate with the terminals of an incandescent lamp receivable in said socket and also provided with two wire-receiving terminals electrically connected to said contacts; said terminals being adapted to receive two of said three wires; a thermostatic switch positioned within said socket between said cap and said insulating body

1. The combination of a prime mover having a rotating drive shaft, a driven shaft, a transmission connecting said shafts comprising an air compressor adapted to transmit the torque of

of refrigerant vapor flowing in the latter passes through and about the motor, said motor including a rotor mounted on the spindle between the hub and said upstream journal portion.

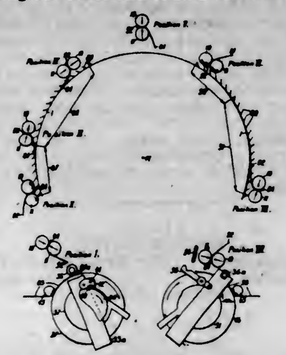
2,458,731
ELECTRICAL FOLLOW-UP APPARATUS
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application January 20, 1944, Serial No. 519,003
3 Claims. (Cl. 318—28)



1. An electrical measuring system comprising an input device having a movable element responsive to variations of a quantity to be measured and provided with a first electrode actuated thereby, an output device actuatable in response and proportion to an electric current applied thereto and having a movable element provided with a second electrode, actuated thereby, said electrodes being arranged in relatively spaced relationship to form a single variable condenser; a frequency converter-amplifier comprising an electronic tube having at least a cathode, an anode, a pair of control grids and a screen grid interposed between said control grids, a resonant impedance means connected between said cathode and one of said control grids, a source of auxiliary high frequency voltage having a frequency normally relatively equal to the resonant frequency of said impedance means and connected between the other of said control grids and said cathode, to produce a direct anode current having an amplitude varying in sense and magnitude in proportion to the relative frequency departure between said source and the resonant frequency of said impedance means; means for varying the relative frequency between said source and said impedance means by said variable condenser; and further means for actuating said output device by said direct anode current, to substantially instantaneously restore the frequency balance between said source and said impedance means and to maintain a continuous follow-up relation between the movable elements of said input and said output device.

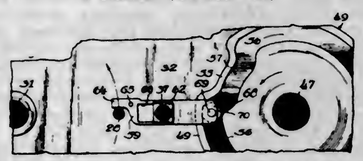
2,458,732
METHOD AND MACHINE FOR COMBING COTTON AND OTHER TEXTILE FIBERS
Frederick Raubitschek, Ealing, London, England
Application November 13, 1943, Serial No. 510,152
In Great Britain November 23, 1942
27 Claims. (Cl. 19—117)

14. A method of combing cotton and other textile fibres, comprising the steps of gripping and detaching a tuft from an advancing lap of fibrous material, moving said tuft by rolling action and presenting one free end thereof for combing, combing said free end of said tuft whilst moving said tuft, inverting said tuft whilst still gripped by rotating it about an axis intermediate its ends, moving said gripped tuft by rolling action and presenting the other end of said tuft for combing,



combing said other end whilst moving said tuft, and delivering said tuft onto a lap of previously combed fibres.

2,458,733
POSITIVE BRAKE OR ARRESTING MEANS
George Reget, New Rochelle, N. Y.
Application October 31, 1945, Serial No. 625,709
1 Claim. (Cl. 188—69)

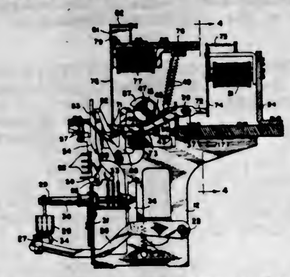


In a machine of the character described having a rotating member, arresting means comprising, cam actuated intermittent arresting means slidably mounted and provided with roller means, a cam having a raceway and being rotatably mounted engaging the said roller means in its raceway, the said intermittent arresting means provided with bifurcated arresting extensions positioned and arranged to arrest releasably the movement of the rotating member of said machine, the said arresting extensions being provided with elongated slotted portions, and rigidly fixed parallel slide means provided with reduced slide extensions fitted in the said slotted portions.

2,458,734
MECHANICAL CIPHERING SYSTEM
Albert H. Reiber, deceased, late of Evanston, Ill., by Emily Y. Reiber, executrix, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application December 8, 1943, Serial No. 513,374
2 Claims. (Cl. 178—22)

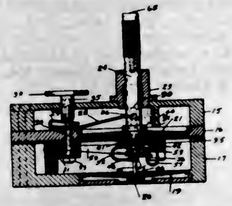
2. In combination, a selector including a plurality of cams, a follower associated with and urged into engagement with each of said cams, said cams having low portions for receiving the cam followers followed by raised portions for actuating the followers invariably, a pivot for supporting said followers, signal responsive means normally operable selectively to block the followers from engagement with the low portions of their cams, deciphering means, a corresponding plurality of elements carried on said pivot

and dually controlled by said signal responsive means and said deciphering means for exercising control over said followers, each of said elements being slidably articulated to and in juxtaposi-



tion with an associated follower, and a slidable actuator associated with each follower for actuation thereby, said actuators operated by said followers according to the control exercised by said elements.

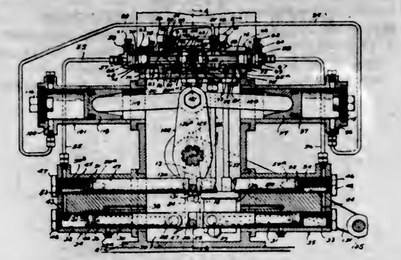
2,458,735
ELECTRIC PRESSURE AND DEFLECTION GAUGE
Harry Reifel, Waltham, Mass., assignor, by mesne assignments, to Stevens-Arnold Inc., Boston, Mass., a corporation of Massachusetts
Application November 8, 1946, Serial No. 708,684
6 Claims. (Cl. 201—48)



1. A gauge for indicating movements, comprising a plunger adapted to contact a source of movement; a resilient diaphragm extending centrally around said plunger and in contact with same so as to restrain the movement thereof; a lever fulcrumed at one end and carrying an electric contact adjacent its other end, said lever having aligned, rounded depressions in its opposite sides intermediate its ends, the inner end of said plunger being in contact with the rounded surface of one of said depressions; a second resilient diaphragm in axial alignment with said diaphragm, a pin carried at one end by said second diaphragm at the center thereof, said pin having its other end rounded at its point of contact with the surface of the other of said depressions, and a resistance wire touching said contact, said contact being adapted to be moved along said wire by movement of said plunger, said diaphragms opposing said movement.

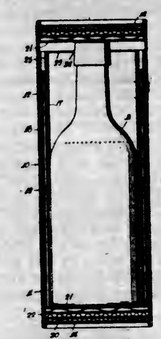
2,458,736
SELF-CONTAINED HYDRAULIC SERVO MECHANISM
Edward A. Rockwell, Cleveland, Ohio
Application June 29, 1943, Serial No. 492,745
16 Claims. (Cl. 60—52)

6. In combination, a device to be moved, manual means for controlling the position of the same, a master cylinder operated by the manual means, a modulating valve adapted to control the delivery of pressure liquid from the valve, power cylinders and opposed pistons therein operated by said pressure liquid, a casing having a chamber between said power cylinders and on which casing



the power cylinders are mounted, said power pistons being connected to said device, and a pump in said chamber having a pressure accumulator connected thereto for supplying said pressure liquid, said master cylinder and modulating valve having fluid connection with said chamber.

2,458,737
SHOCKPROOF BOTTLE CONTAINER
Mortimer B. Salkowitz, Brooklyn, N. Y.
Application February 26, 1947, Serial No. 731,002
3 Claims. (Cl. 229—90)



1. A shock-proof individual shipping container for bottled goods comprising an outer casing of conventional stiff paper tube stock, including a base having an end wall of sheet metal crimped thereto, a composite protective liner secured within said base, said liner comprising two tubes of conventional stiff paper tube stock defining an annular space therebetween, corrugated paper board in said space and encompassing the inner tube, said liner protruding substantially beyond the rim of the base, said casing including a cover of construction similar to that of the base and removably telescoped over the protruding part of the liner for rim to rim abutment against the base, and corrugated board cushions retained by and lodged against the inner faces of the respective sheet metal end walls of the base and the cover, the inner face of the base cushion being abutted by the end of the liner, each of said end cushions comprising a stack of discs of corrugated paper board and a paper stock cup with

material, moving said tuft by rolling action and presenting one free end thereof for combing, combing said free end of said tuft whilst moving said tuft, inverting said tuft whilst still gripped by

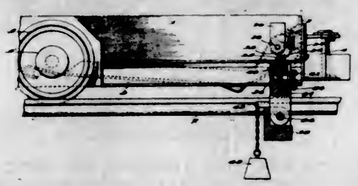
means normally operable selectively to block the followers from engagement with the low portions of their cams, deciphering means, a corresponding plurality of elements carried on said pivot

Application June 29, 1943, Serial No. 492,745
16 Claims. (Cl. 60—52)

6. In combination, a device to be moved, manual means for controlling the position of the same, a

its face exposed to the interior and its rim snugly intervening between the rims of the respective stacks of cardboard discs and the inner wall of the base and cover respectively.

2,458,738
LATCH TRIPPING MECHANISM
Hugh W. Sanford, Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del., a corporation of Delaware
Application March 14, 1944, Serial No. 526,426
12 Claims. (Cl. 214—58)



1. In a drop bottom mine car adapted to be mounted on track rails and having side-sill means with transverse forward and rearward end-sill structures connected therewith and cooperating to form a load supporting frame, side wall structures extending upwardly from the side-sill means, a drop bottom door hinged to the frame structure about an axis extending transversely of the dumping conveyance, a latch for supporting the free edge portion of the door when closed, said latch having its lowest portion when in door supporting position above the portion of the lower edge of the adjacent end-sill structure lying in the same longitudinal upright plane, a shaft extending transversely of the car and supporting the latch rigidly fixed thereon for swinging movement in a direction lengthwise of the car upon rotation of the shaft to release the door for dropping, said shaft having an end portion projecting externally of the side-sill means and side wall at one end thereof and having actuating means on said projecting end portion, the end-sill structures having portions thereof projecting laterally of the car throughout the length of said projecting end portion of the shaft and disposed with the lower edge thereof below the shaft and said end-sill structure having a recess in the projecting lower edge portion thereof in the same longitudinal vertical plane as the actuating means.

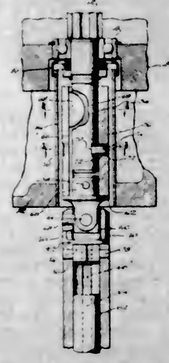
2,458,739
MECHANICAL PENCIL WITH LEAD STORAGE UNIT
Mark E. Savoie, Cleveland, Ohio
Application August 25, 1945, Serial No. 612,590
2 Claims. (Cl. 120—14.9)

1. A removable lead storage unit for a pencil barrel having an opening in the end thereof and an end surface about said opening, said lead storage unit comprising an elongated cylindrical tube adapted to be frictionally and slidably inserted in the said pencil barrel and having an inner open end and an outer open end, a support member fitted nonremovably in the outer open end to close said end of the tube, said support member having external flange stop means engageable with the end surface of the pencil barrel to limit movement of the elongated cylindrical tube into the pencil barrel, said support member also being provided with an opening therethrough and extending co-axially therewith, and a sheath having a cylindrical portion anchorably

fitted in the opening in the support member and also having a noncylindrical portion thereof extending co-axially with and disposed within the cylindrical tube, the space within the cylindrical tube and outside of the noncylindrical portion of the sheath constituting a storage

space for leads, the cylindrical portion of the sheath extending outwardly beyond the support member and the cylindrical tube for providing an engagement means for readily removing the support member and the cylindrical tube from the pencil barrel for access to the stored leads therein.

2,458,740
MULTIPLE SPINDLE MACHINE TOOL
Robert A. Schafer, Richmond, Ind., assignor to National Automatic Tool Company, Inc., Richmond, Ind., a corporation of Indiana
Application June 9, 1943, Serial No. 490,167
3 Claims. (Cl. 287—119)



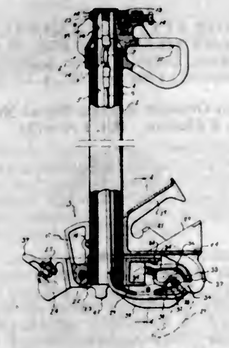
1. For use in a machine tool having a rotating driving element and a spindle driven thereby, and having means connecting the driving element to the spindle, the combination of a sleeve secured to the spindle, a shaft connected to the rotating driving element and extending into said sleeve, said shaft having a transverse segment shaped groove cut in its outer surface, said sleeve having an arcuate transverse slot cut through the wall thereof for alignment with said groove, a key and keyway rotary driving connection between said shaft and said sleeve causing them to rotate together but permitting relative longitudinal movement thereof, a readily removable

Woodruff key extending into the transverse slot of said sleeve and into the transverse groove of said shaft to prevent relative longitudinal movement of said shaft and said sleeve, and a manually releasable split resilient sleeve holding said Woodruff key in said position.

2,458,741
PREPARATION OF METHOXY ACETIC ACID
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 15, 1945, Serial No. 616,651
1 Claim. (Cl. 260—535)

A process for preparing methoxyacetic acid which comprises non-catalytically reacting monochloro acetic acid with a molar excess of methanol at a temperature of from about 180° to about 250° C.

2,458,742
DROP-OUT FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 13, 1945, Serial No. 628,157
6 Claims. (Cl. 200—114)

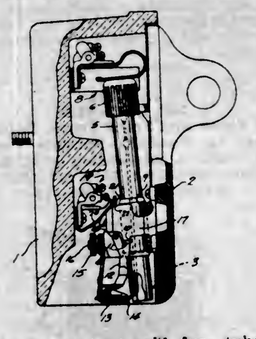


1. A drop-out fuse construction comprising upper and lower stationary terminals, a fuse tube having an upper end detachably locked to said upper stationary terminal, a main lever supporting said tube for drop-out motion and having pivotal connection with said fuse tube, a fuse link within said fuse tube electrically connecting said upper and lower stationary terminals, a catch rigid with said fuse tube, a throw-out lever pivoted to said main lever and normally having interlocking engagement with said catch and held against motion by said fuse link, said throw-out lever being biased towards throw-out motion and arranged to execute throw-out motion to withdraw any remaining portion of said fuse link from said fuse tube upon rupture of said fuse link and to detach itself from said catch, whereby said main lever will rock to allow said fuse tube to execute drop-out motion.

2,458,743
DROP-OUT FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application December 30, 1946, Serial No. 719,205
2 Claims. (Cl. 200—114)

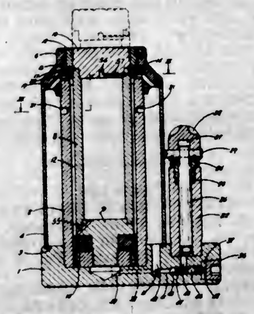
2. A housed type of drop-out fuse comprising a housing having upper and lower stationary

contacts, a door pivoted to said housing and arranged for outward rocking motion, said door having a lower contact normally engaging said lower stationary contact and urged outwardly thereby to bias said door outwardly, a fuse tube slidable downwardly in the contact carried by said door and having an upper contact normally interlocking with said upper stationary contact to restrain said door from outward rocking motion until said fuse tube slides downwardly, a fuse link within said fuse tube electrically con-



necting the contact of said fuse tube and the contact of said door and normally restraining said fuse tube against downward sliding motion and releasing said fuse tube on rupture of said fuse link, and screw means removably carried by said lower stationary contact and coacting with the contact of said door for selectively allowing or preventing said door from outward rocking motion when said fuse tube slides downwardly, said screw means being removable without removing any other portion of said lower stationary contact.

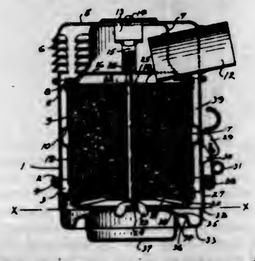
2,458,744
HYDRAULIC JACK
Frank H. Schwerin, Pittsburgh, Pa., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 22, 1947, Serial No. 749,680
6 Claims. (Cl. 60—52)



1. A hydraulic jack comprising a base, a jack cylinder mounted thereon, a liquid reservoir mounted on the base around the cylinder and having a closed top, a hollow lifting member vertically movable in the cylinder and including a closed top and a piston on its lower end, the cylinder being spaced from said member above the

piston to form a variable volume chamber, and a pump for pumping liquid from the reservoir into the bottom of the cylinder to raise the lifting member therein, the jack being provided with an air passage connecting the upper end of the reservoir with said chamber, the lower portion of the lifting member above the piston being provided with an air passage connecting the inside of said member with said chamber, and the upper portion of the lifting member being provided with a vent passage connecting the inside of said member with the atmosphere when the lifting member is raised in the cylinder, whereby said passages and chamber will connect the reservoir with the atmosphere.

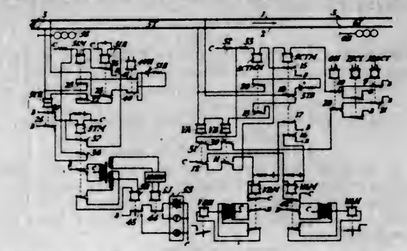
2,458,745
AIR CLEANER
Joseph B. Sebok and Frank Sebok, Detroit, Mich., assignors to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application February 1, 1945, Serial No. 575,610
4 Claims. (Cl. 183—15)



4. In a liquid bath air cleaner, a casing having an inlet and an outlet spaced therefrom, a filter medium in the path of air traveling from said inlet to said outlet, said casing having a liquid sump below said filter medium, means in said casing defining an annular passage adjacent the casing wall for incoming air leading toward said sump, and said casing being shaped in the region of said sump to provide an outer annular trough beneath said passage and a central well spaced from said trough, and an upwardly and inwardly sloping wall connecting said trough and said well and merging with the adjacent walls of said trough and well in a manner to define an arcuate junction with each such wall, said central well being substantially twice the depth below said sloping wall as said annular trough, said trough being freely open at the top and having a smoothly curvate bottom merging with the inside trough wall to define a path along which incoming air descending said passage may drive accumulated dirt out of said trough over said sloping wall into said well.

2,458,746
CODED TRACK CIRCUITS
Charles B. Shields, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 11, 1946, Serial No. 675,875
14 Claims. (Cl. 246—38)

2. In a coded track circuit signaling system, in combination, a section of railway track having a pair of track rails, a first and a second transmitter relay each having contacts movable between a released and a picked-up position, means for operating the contacts of the first transmitter relay between their two positions, a circuit including a back contact of said first transmitter relay for supplying energy to the winding of said second transmitter relay, a circuit including a back contact of said first transmitter relay and a front contact of said second



transmitter relay for connecting a code following relay across said track rails, and a circuit including a front contact of said first transmitter relay and a back contact of said second transmitter relay for connecting a source of energy across said track rails.

2,458,747
DEVICE FOR ATTACHING METAL BALING RIBBONS TO ANCHORAGE PLATES
Fred A. Singley, Detroit, Mich., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application October 9, 1946, Serial No. 702,316
8 Claims. (Cl. 140—73)

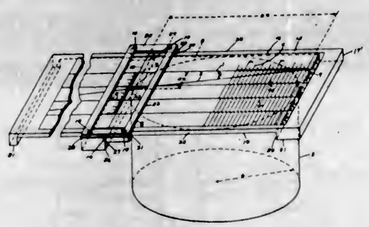
1. Mechanism for securing a metal packaging ribbon to an anchor plate, comprising, in combination with a base member, a hinge having one of its pivotally correlated plates secured to said base member, a manually actuatable handle secured to the freely-swinging one of said hinge plates, and anchor-plate-engaging clips extending inwardly from the vicinity of the outer marginal edge of said freely-swinging hinge plate, adapted to hold a centrally apertured anchorage plate, through which a metal packaging ribbon has been passed, against displacement by induced swing of said freely swinging hinge plate and its actuating handle, thereby permitting the wrapping of the metal ribbon thereabout.

2,458,748
HERMETIC SEAL FOR ELECTRIC TERMINALS AND THE LIKE
Semon H. Stupakoff, Latrobe, Pa., assignor to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa., a corporation of Pennsylvania
Application May 1, 1945, Serial No. 591,392
6 Claims. (Cl. 174—152)

1. A hermetic seal construction comprising a conductor, a body of glass fused to the conductor,

a supporting eyelet to which the glass is also fused, and a separately formed insulating collar encircling the glass and intimately bonded thereto and spaced away from the conductor.

2,458,749
APPARATUS FOR APPROXIMATELY SQUARING CIRCLES
William Balvaird Thomson, Boston, Mass.
Application July 8, 1948, Serial No. 37,594
7 Claims. (Cl. 235—61)



1. An instrument for approximately squaring a circle having, in combination, a base member having two straight lines inclined to each other at an angle ϕ determined by the equation

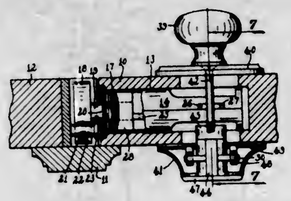
$$\tan \phi = 1 - \frac{1}{2}\sqrt{\pi}$$

where π is the ratio of the circumference to the diameter of a circle, one of the lines being linearly calibrated in predetermined units, and an indicator member movable with respect to the base member substantially parallel to one of the lines and calibrated in the same units.

2,458,750
REMOVABLE FLOOR OR WALL COVERING
Samuel G. Trepp, Dedham, Mass., assignor to Bird & Son, inc., East Walpole, Mass., a corporation of Massachusetts
No Drawing. Application April 2, 1946, Serial No. 659,159
2 Claims. (Cl. 154—49)

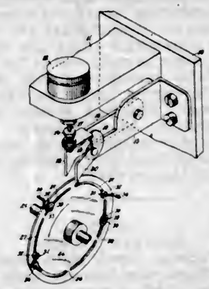
1. A hard-surfaced flexible removable covering for floors, walls, and the like, adapted to be cemented to an underlying supporting surface by linoleum paste, comprising a fibrous base saturated with bituminous material, an ornamental tread layer on one side of said fibrous base, and a flexible, dry, coherent non-tacky backing coat on the opposite side of said base consisting essentially of a composition including rubber selected from the class consisting of isobutylene-diolefin copolymer, neoprene, butadiene-styrene copolymer, vulcanized natural rubber, and vulcanized reclaim rubber, said composition including pigment and a water-soluble organic binder, the rubber content of said composition not exceeding 20% (by weight) thereof, the internal cohesive strength of said backing coating and its bonding strength to the floor covering being sufficient to firmly anchor the floor covering to an underlying layer of hardened linoleum paste on a supporting surface but at least one of said strengths being substantially less than the internal cohesive strength of said saturated base, whereby said base is strippable as a unit from said supporting surface after attachment thereto by such hardened paste.

2,458,751
ANTIJIMMY TUBULAR LOCK
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application October 4, 1943, Serial No. 504,817
2 Claims. (Cl. 292—198)



1. A door lock comprising a case of generally tubular shape, a bolt rotatably mounted in the case and projecting therefrom, said bolt having a body portion snugly fitting said case, a head portion lying without the case, and a neck portion connecting said head and body and passing through an opening in the front of the case, said neck portion being of reduced size with respect to said head and body and being provided with means engaging the front face of the case to prevent movement of the bolt in an axial direction.

2,458,752
TAPPET-ACTUATING MEMBER
James R. Waidelich, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application April 18, 1946, Serial No. 663,083
4 Claims. (Cl. 74—568)

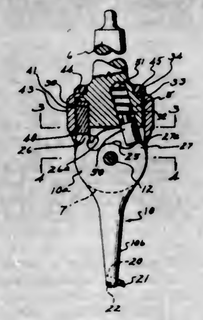


1. A cam member for actuating tappet mechanism, comprising a rotatable supporting element having an edge portion separated from the remainder of the element by a series of arcuate slots therethrough circumferentially disposed adjacently to one another and evenly spaced in the cam member, with bridge portions separating said slots; and a stud element having a squared section adapted to fit a slot and to be secured to the supporting element to prevent rotation of said stud element in its slot, the head of the stud element being provided with a groove disposed diagonally to the squared section, and an L-shaped finger element secured through its one portion in the said groove to extend outwardly from the said head beyond the edge portion of the rotatable supporting element with its other portion projecting in a sense parallel to the longitudinal axis of the stud element.

between a released and a picked-up position, means for operating the contacts of the first transmitter relay between their two positions, a

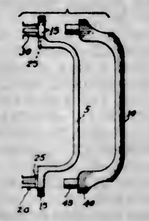
1. A hermetic seal construction comprising a conductor, a body of glass fused to the conductor,

2,458,753
BORING HEAD
Frank C. Wallace, North Hollywood, Calif.
Application June 26, 1944, Serial No. 542,189
3 Claims. (Cl. 77—56)



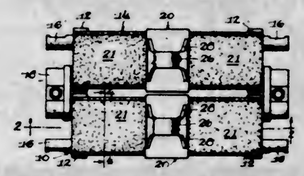
1. A boring tool comprising a body of round cross-section presenting a pair of bifurcations at its lower end and a shank portion at its top end, said body having a medial portion of reduced diameter providing an upwardly facing shoulder and a longitudinally disposed peripheral slot, a traveling block mounted in said slot for movement longitudinally thereof, said block presenting threads, an internally threaded sleeve rotatably mounted annularly of the reduced diameter portion of the body and bearing at its bottom end against said shoulder, a stop ring threadedly mounted on the body and bearing against the top end of the sleeve, said body presenting a recess opening downwardly between said bifurcations, a tool carrier, means pivotally mounting the carrier adjacent one end between said bifurcations for swinging movement about an axis at right angle to the longitudinal axis of the body, said carrier presenting at its top end a pair of cam followers one at each side of the longitudinal axis of the body, one at each side of the axis of rotation of the carrier, one of said followers having engagement with the bottom end of said block, a spring-loaded plunger reciprocably mounted in said recess and having bearing against said other follower, and tool-holding means at the bottom end of the carrier.

2,458,754
HANDLE DEVICE
Frank C. Wallace, North Hollywood, Calif., assignor to Monogram Manufacturing Company, Los Angeles, Calif., a corporation of California
Application October 29, 1945, Serial No. 625,348
2 Claims. (Cl. 16—125)



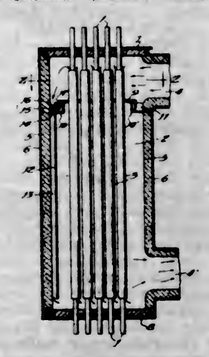
1. A pull device comprising a U-shaped base member having a laterally projecting flange at each of its ends, each of the flanges presenting an opening therethrough, a tubular radially expansible attaching element mounted in each opening and projecting from the base element, a U-shaped cover member conforming to and fitting over the base member and having its ends bearing against said respective flanges, and a lug carried by and projecting from each end of the cover member, said lugs extending into the respective attaching elements to radially expand the latter.

2,458,755
CENTER GUIDE TREAD MEMBER FOR ENDLESS TRACKS
Gustav M. Waller, Dundee, Ill., assignor to Burgess-Norton Manufacturing Company, Geneva, Ill., a corporation of Illinois
Application June 6, 1945, Serial No. 597,879
7 Claims. (Cl. 305—10)



1. In an endless track construction, a tread unit consisting of a pair of tubular pivot bearing sleeves having end members rigidly connecting them together, a metal guide block having parallel bores through which said bearing sleeves extend for connecting said bearing sleeves together intermediate their ends, said guide block including an upwardly projecting guide member, and said guide block also forming a part of the bottom load bearing surface of the tread unit.

2,458,756
MEANS FOR CONTROLLING AND EQUALIZING TUBE TEMPERATURES
Charles C. Watson, Evanston, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 1, 1945, Serial No. 570,990
2 Claims. (Cl. 257—228)



1. A heat exchange apparatus comprising a chamber having side walls and end walls, a bank of tubes extending through said end walls and the chamber, a partitioning member extending across the chamber and forming an inlet compartment with one of said end walls and a heating compartment with the other of said end walls,

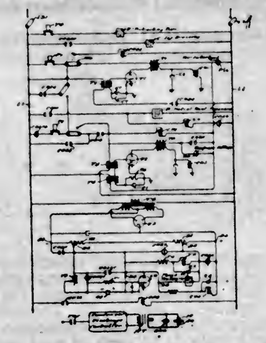
a sleeve concentric with and spaced from each of said tubes and extending through said partitioning member, said sleeves terminating short of said end walls and being open at their opposite ends, a plate parallel with said tubes and sleeves extending from said partitioning member adjacent but spaced from one of said side walls within the heating compartment and disposed outside said tube bank and forming with the side wall a jacket communicating with the interior of the heating compartment adjacent the end thereof opposite the partitioning member, said partitioning member being apertured between said plate and the last-mentioned side wall to provide communication between said inlet compartment and said jacket, means for introducing a fluid heating medium to the inlet compartment and means for removing said medium from the heating compartment.

2,458,757
STERILIZER FOR BARBER SHOPS AND BEAUTY PARLORS
Marie Wechrel, New York, N. Y.
Application June 23, 1947, Serial No. 756,357
8 Claims. (Cl. 21—81)

1. A steam sterilizer for towels comprising a plurality of parts stacked one upon the other and including a pedestal, a heater part, a water part and a steam vessel, an opening in the steam vessel through which the towels man be introduced or extracted, a cover adapted to be extended over the opening to retain the steam therewithin, a water inlet pipe extending into the pedestal, then upwardly through the heater part and into the water part to deliver a supply of water thereto, said heater part having a heater element with a supporting base therefor, projections extending from the base and adapted to rest against the interior of the heater part to support the heater and its base therebetween.

2,458,758
APPARATUS FOR RESISTANCE WELDING
Edward J. Zulinski and Robert Barley, Detroit, Mich., assignors to Progressive Welder Company, Detroit, Mich., a corporation of Michigan
Application November 6, 1944, Serial No. 562,106
4 Claims. (Cl. 219—4)

1. In a resistance-welding system embodying an electrode engageable with work to be welded and electrode control mechanism operative to apply pressure between the electrode and the work, the combination of a first control means actuable to actuate said control mechanism and apply a substantially constant initial said pressure, a first and second independently operable time delay means, said first time delay means being operative upon actuation thereof to initiate at the expiration of a predetermined time interval an increase in said pressure, said second time delay means being operative upon actuation thereof to initiate at the expiration of a predetermined time



interval an impulse of welding current to flow through the work and the electrode, said first and second time delay means being operably independent of each other for independently controlling said initiation of pressure and of said current respectively.

2,458,759
GAUGE FOR MEASURING SUBATMOSPHERIC PRESSURES
Gurdon R. Abell, Jr., Poughkeepsie, N. Y.
Application November 3, 1944, Serial No. 561,757
13 Claims. (Cl. 73—400)

11. A pressure gauge for measuring low gas pressures comprising a closed and sealed transparent container, partly filled with a liquid, means for connecting the section of the container above the liquid with the gas whose pressure is to be measured, a bulbous entrapment cup floating in said liquid, and magnetically operated means for moving said entrapment cup within the closed container from its floating position to a position above the liquid level, for holding it in this position and returning it into its floating position, said magnetically operated means comprising a magnetically permeable body within the container adapted to entrain the entrapment cup, and a magnetically active means outside the container adapted to produce a magnetic field which is movable along the container for entraining the magnetically permeable body within the container.

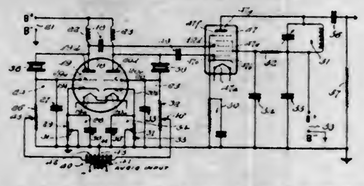
1. A pull device comprising a U-shaped base member having a laterally projecting flange at each of its ends, each of the flanges presenting

across the chamber and forming an inlet compartment with one of said end walls and a heating compartment with the other of said end walls,

ply a substantially constant initial said pressure, a first and second independently operable time delay means, said first time delay means being op-

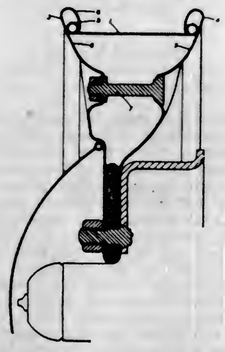
magnetically permeable body within the container.

2,458,760
CRYSTAL CONTROLLED FREQUENCY MODULATION SYSTEM
Walther M. A. Andersen, Hartford, Conn., assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn., a corporation of Connecticut
Application August 17, 1945, Serial No. 611,186
4 Claims. (Cl. 179—171.5)



1. A frequency modulation system comprising a twin three electrode tube, including sets of cathode grid and plate elements, means for activating said cathodes, means for energizing said plates, a high impedance path connected between the grid and cathode of each of said sets of elements, a piezo-electric crystal connected between the grid and plate of each of said sets of elements, said piezo electric crystals being displaced in frequency for producing a beat frequency therebetween, a tap in each of the high impedance paths associated with said grid and cathode elements, an audio frequency control circuit connected between said taps and to a point intermediate said cathode elements and a mixer circuit comprising a pentagrid tube including a cathode, a pair of control grids, an output grid, an anode and a space charge grid, a tank circuit tuned to the difference frequency between the aforesaid piezo-electric crystals and connected between said output grid and said anode and connections between said plate elements of said twin three electrode tube and the respective control grids.

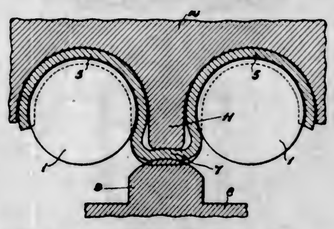
2,458,761
VEHICLE ROAD WHEEL
Frederick William Baker, Oldswinford, Stourbridge, England
Application March 25, 1944, Serial No. 528,104
In Great Britain March 25, 1943
7 Claims. (Cl. 152—5)



7. A vehicle wheel comprising a pair of side members having spaced peripheral portions, tire bead receiving channel portions with the channel openings toward the axis of the wheel and

supported on the peripheries of said members for relative lateral movement under the inflation pressure of the tire, an expansible annulus between said side members and expandible for engagement by its edge portions with said channel portions to form a seat for the tire beads, and outwardly extending flanges on the edges of said annulus for seating within the channels of said tire bead receiving portions to limit the relative lateral movement of said portions and laterally tension said annulus.

2,458,762
METHOD OF MAKING CAGES FOR BALL BEARINGS
Thomas George Barnbrook, Wolverhampton, England, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application June 10, 1946, Serial No. 675,784
In Great Britain May 15, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 15, 1965
1 Claim. (Cl. 113—117)

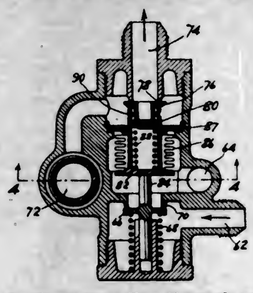


A method of producing a ball-bearing cage and assembling it upon the balls of the bearing consisting in fashioning a sheet-metal ring of undulatory form with spherically-contoured loop-like pockets on one face spaced by U-shaped connecting parts the side branches of which have concave inner faces; and, after the balls have been engaged within the pockets, simultaneously upsetting said U-shaped connecting parts by spreading dies so as to spread the same laterally in order to restrict the mouths of the pockets and cause the side branches thereof to conform to the contour of the balls, the said spreading dies consisting of a multiple tool having a plurality of spaced projections adapted to engage and space the ends of the connecting parts of the cage ring, and an opposed member shaped to fit and support the back of the cage and having projections which enter the interiors of the U-shaped connecting parts, said projections having end surfaces which are opposed to the projections on the first-named member and said first-named member being moved in a direction towards the back of the cage to act upon the pockets while the said back of the cage is supported by the second-named member.

2,458,763
LUBRICATING SYSTEM FOR MECHANISMS OPERATING AT HIGH ALTITUDES
Rudolph Birmann, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation, a corporation of Delaware
Application May 13, 1944, Serial No. 535,412
4 Claims. (Cl. 184—6)

1. In a lubricating system for aircraft mechanisms operating at high altitudes, a pressure pump, a scavenging pump, a lubricant supply line

to the pressure pump, a lubricant return line from the scavenging pump, a valve in said supply line, a valve in said return line, connections between the valve in the supply line and a part of the return line between the scavenging pump and

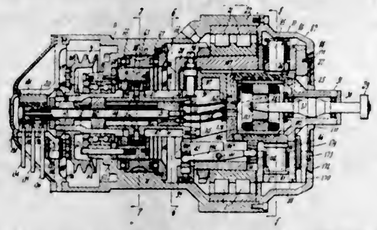


the valve in the return line through which pressure in said part of the return line may effect opening of the valve in the supply line, and means for maintaining the valve in the return line seated until the valve in the supply line is opened.

2,458,764
METHOD FOR PREPARING SOLUTIONS OF COLLOIDAL SULFUR AND THE PRODUCTS THEREOF
Henri Brunel, Paris, France
No Drawing. Application December 26, 1945, Serial No. 637,285. In France May 3, 1945
5 Claims. (Cl. 252—313)

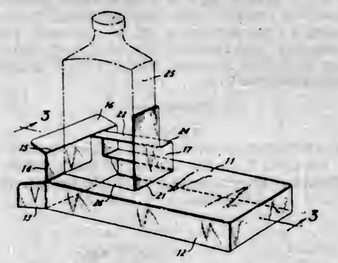
2. A concentrated solution of sulphur in ethylene–diamine.

2,458,765
PLANETARY GRINDING MACHINE
William J. Bryant, Springfield, Vt., and Thor H. Ljunggren, Charlestown, N. H., assignors to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application January 10, 1945, Serial No. 572,140
12 Claims. (Cl. 51—43)



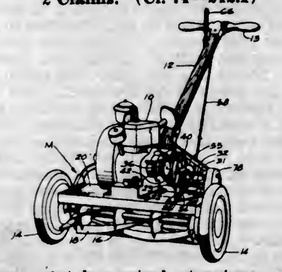
1. In combination, a casing, a hollow rotary master shaft journaled in said casing, a motor supported within said master shaft and having a rotor with its axis parallel to the axis of said master shaft, means for adjusting said motor transverse to said axis to adjust said rotor axis toward and from coaxial relation to said master shaft axis, a tool carried by said rotor beyond one end of said master shaft, means for rotating said master shaft, electrical connections through said master shaft to said motor, a counterbalance for said motor and related parts movably carried by said master shaft, connections between said motor and counterbalance causing the adjustment of said motor transverse to said axis to adjust said counterbalance in the opposite direction, and means for taking up backlash in said connections.

2,458,766
COMBINED BOTTLE CONTAINER AND SUPPORT
Raymond Cheminski, Schenectady, N. Y.
Application January 16, 1947, Serial No. 722,312
1 Claim. (Cl. 206—45.14)



In a rectangular carton adapted to receive a bottle, a flat bottom, a flat top, and an end flap at each end of the carton, each flap serving as a closure, a rectangular portion in the top adjoining one end flap, said rectangular portion being defined by a perforated line along the juncture of said top with the flap, by a creased line spaced from said juncture, and by two perforated sides, to permit said portion on severance along perforated lines to be raised vertically from the creased line, a strip severed partly from the side of said rectangular portion and partly from the flap, and extending across the line of said juncture of the flap, said strip being hinged at one end in the flap at the other end in said portion spaced from said creased line, the strip being adapted to pull up the flap into a vertical position when said rectangular portion has been manually raised to a vertical position above the level of said top.

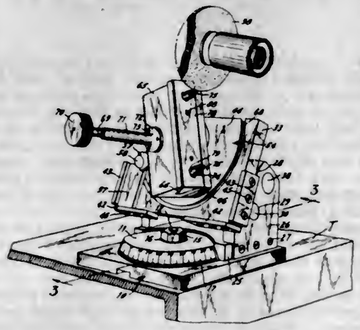
2,458,767
CLUTCH CONTROL
Allyn R. Cooper, Marshalltown, Iowa
Application May 2, 1944, Serial No. 533,815
2 Claims. (Cl. 74—242.1)



1. In a clutch control structure, a driving pulley, a driven pulley, a belt connection between said pulleys, said belt including a normally outwardly bowed outer surface, a shaft for said driven pulley, a frame in which said shaft is journalled, a base for said frame, the frame being pivotally mounted relative to the base for swinging said shaft toward and away from said driving pulley, a spring connection with said frame to

swing it in the direction of approach of said driven pulley toward said driving pulley, a stop for said frame in said direction, said belt being loose with respect to said pulleys when said frame engages said stop, a guard around said driven pulley said guard being secured to said frame to keep said belt closely adjacent said driven pulley and for moving the belt from contact with said driving pulley by engaging the outwardly bowed outer surface of the belt when said frame engages said stop, and a pair of toggle links providing a connection between said base and said frame and adapted to be moved to an over-center position for spacing said frame from said stop and tightening said belt around both of said pulleys in such spaced position.

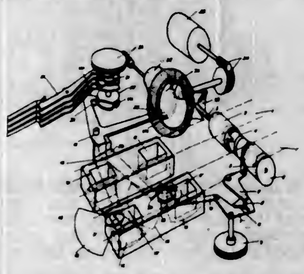
2,458,768
GRINDING WHEEL DRESSING DEVICE
Edward J. Daily, Highland Park, Mich.
Application December 13, 1947, Serial No. 791,619
5 Claims. (Cl. 125—11)



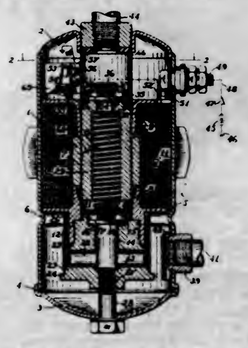
1. A dressing device of the kind described, including in combination a flat base, a semi-circular index plate axially mounted for rotation thereon and calibrated in degrees along its outer periphery, the index plate having an integral extension defined by three sides of a rectangle, the fourth side of the rectangle being the line of junction to said index plate, a pair of parallel brackets rising vertically from the sides of said extension, a rectangular master plate mounted upon a horizontal shaft journalled in said brackets to permit the master plate to be rotated upon said shaft from a normally vertical position to a position at an angle thereto, a disc-like turntable axially mounted for rotation on the face of the master plate and having calibrations in degrees along its periphery, a straight-line slide disposed on the top face of the turntable, rack and pinion means to move the slide in a straight line upon said turntable, means on the slide having diamond-cutting members to dress the grinding wheel, and separate screw-nut means to lock in place the index plate, the master plate and the turntable thereon, respectively.

2,458,769
APPARATUS FOR THE PHOTOGRAPHIC REPRODUCTION OF DOCUMENTS
André Victor Léon Clément Debrie, Paris, France
Application August 31, 1945, Serial No. 613,938
In France January 26, 1945
4 Claims. (Cl. 88—24)

1. Machine for the simultaneous photographic reproduction of documents on two cinematographic films comprising a table on which is disposed the document to be photographed, a carriage movable vertically above said table, a camera mounted on said carriage, means for moving two films parallel in relation to one another in said camera, a disconnecting device enabling either one of said films to be made use of if desired, two objectives on said camera for photographing on the two films the documents disposed on said table, two other objectives on said camera for photographing on said films an index-card carrying the title and disposed on the carriage, a rotating shutter for said two first objectives, a rotating shutter for said two second objectives, masking shutters operated by said disconnecting device, said masking shutters covering and uncovering the objectives of the film which is not being used, cams controlled by the means for moving the films producing at the required moments the opening and the closing of the shutters of said two first and said two second objectives, and auxiliary cams also controlled by the means for moving the film and rendering said first cams temporarily inoperative on at least one of said rotating shutters.



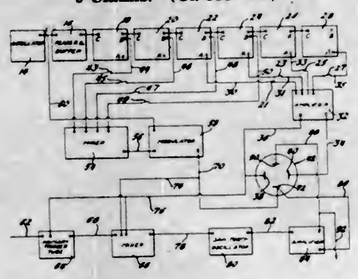
2,458,770
ELECTRICALLY ACTUATED PUMP
John W. Dickey, Millard M. Henry, and Theodore K. Riggen, Elmira, N. Y., assignors to Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware
Application February 11, 1946, Serial No. 646,950
4 Claims. (Cl. 172—126)



1. In an electrically actuated pump, a cylinder of non-magnetic material, a hollow piston of magnetic material slidable therein, a spring arranged to move the piston toward the discharge end of the cylinder, electromagnetic means

adapted when energized to move the piston toward the inlet end of the cylinder, and contacts for controlling the energization of the electromagnetic means, one of said contacts being movable; means for moving said contact including a permanent magnet and mounting means therefor permitting movement thereof toward and away from the cylinder, the permanent magnet being so located near the discharge end of the cylinder that the piston on its discharge stroke enters the field of the magnet and thereby causes the magnet to move in a direction to bring the movable contact into engagement with the cooperating contact; and magnetic means in the field of the permanent magnet so located that the attraction of the permanent magnet therefor causes the magnet to move in a direction to separate the movable contact from its cooperating contact when the piston is withdrawn from the influence of the magnet.

2,458,771
SUPERSONIC REFLECTOSCOPE
Floyd A. Firestone, Ann Arbor, Mich., assignor to The Regents of the University of Michigan, Ann Arbor, Mich., a constitutional corporation
Application March 15, 1943, Serial No. 479,228
9 Claims. (Cl. 315—26)

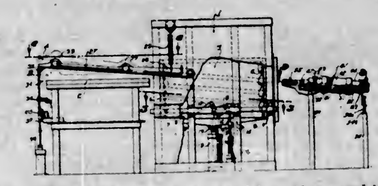


1. In indicating means, a cathode ray tube having vertical and horizontal beam deflecting plates, a master oscillator, a plurality of frequency divider circuits connected in series and to the oscillator to provide frequencies which are sub-multiples of the master oscillator frequency, means for selectively connecting one of said frequency divider circuits to the horizontal deflecting plates, means for connecting one or more of the frequency divider circuits to the vertical deflection plates, and voltage regulating means in each connector line of the last mentioned connecting means whereby the relative value of the voltage applied by that frequency divider circuit may be varied.

2,458,772
POLYMERIZING THE GLYCERYL ESTER OF LEVO-PIMARIC ACID-MALEIC ANHYDRIDE ADDUCT
Elmer E. Fleck, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application December 27, 1944, Serial No. 570,040
1 Claim. (Cl. 260—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

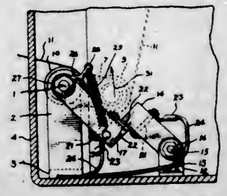
A process of forming a resin comprising heating a mixture of substantially pure levo-pimaric acid-maleic anhydride adduct and glycerin to form the glyceryl ester of the adduct, and polymerizing the ester by heating it at a temperature about from 250° to 300° C. to form an oil-insoluble, thermoset resin.

2,458,773
SCREEN PRINTING MACHINE
Robert F. Foard, Los Angeles, Calif.
Application February 18, 1946, Serial No. 648,426
18 Claims. (Cl. 101—115)



2. In a screen printing machine, the combination with a work area adapted to receive material to be printed, of: a master frame extending over said work area and having rails upon which to guide frame units; remote controlled means for raising and lowering said master frame, said master frame, when lowered adapted to occupy a predetermined relation with material on said work area; a plurality of screen printing frame units, each including an outer frame and an inner frame, the inner frame being covered with design bearing screen printing material, and means for adjusting the position of said inner frame relative to said outer frame; means adapted to carry said screen printing frame units; means for feeding said frame units in sequence to the rails of said master frame; and means for positioning each frame unit in a predetermined relation with said master frame, whereby upon adjustment of the inner frames of said frame units the designs on the screen material may be brought in registry with each other and with work material on said work area.

2,458,774
FILM CONTROLLED SAFETY STOP FOR MOTION-PICTURE PROJECTORS
Wilbur H. Gabel, Kulm, N. Dak.
Application February 20, 1946, Serial No. 649,055
3 Claims. (Cl. 200—52)



2. Film controlled safety stop for motion picture projectors, comprising, in combination, a rotatable shaft journalled in the framework of said projector, an arm secured at one end thereof to said shaft, a jockey roller at the remaining end of said arm, an idle roller rotatable on said shaft and parallel to said jockey roller, said film being threaded between and engaging said rollers, a stationary contact on said framework, a coacting contact pivoted on said shaft, said contacts being in circuit with the driving motor of said projector, a crank secured to said shaft, and a tension spring connecting said crank to said pivoted contact, said spring normally urging said contacts together.

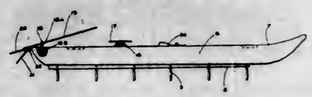
2,458,775

first zone with respect to the flow of complex an

ing from one end of said bottom plate to and

2,458,781
UNIVERSAL HITCH

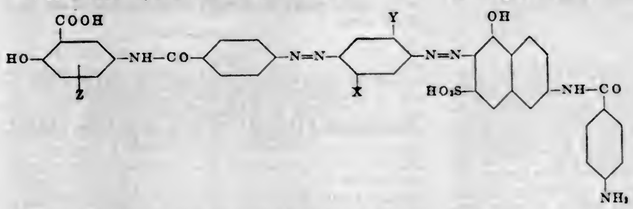
2,458,775
WATER SKI
Carlo Giacomelli, New York, N. Y.
Application February 14, 1945, Serial No. 577,784
1 Claim. (Cl. 115—32)



In a water craft, a float having a stern, a yoke comprising a stem upstanding from said stern and rotatable therein, and an elongated handle having a rear end overhanging said stern, said handle being laterally swingable about the axis of rotation of the stem and endwise slidable forwardly and rearwardly and rotatable about its longitudinal axis, a paddle extending from the rear end of the handle parallel therewith for rotation by said handle into vertical position and use as a rudder by swinging of the handle, and a blade pivoted to the rear end of said paddle to incline downwardly and rearwardly therefrom for use as a pusher in the water by endwise sliding of the handle rearwardly, said blade being swingable on its pivot upwardly by pressure of the water when the handle is slid forwardly and to obviate resistance to sliding of said handle forwardly.

2,458,776
DISAZO DYESTUFFS AND A PROCESS FOR THEIR MANUFACTURE
Philippe Grandjean, Basel, Switzerland, assignor to Sandoz Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application May 26, 1947, Serial No. 750,647. In Switzerland May 29, 1946
8 Claims. (Cl. 260—187)

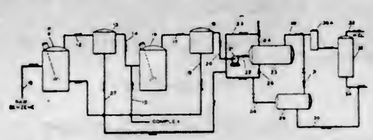
5. A disazo dyestuff of the formula



wherein X stands for a member selected from the group consisting of alkyl, alkoxy and acylamino, Y stands for a member selected from the group consisting of hydrogen, alkyl and alkoxy and Z stands for a member of the group consisting of hydrogen and alkyl.

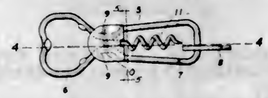
2,458,777
PURIFICATION OF HYDROCARBONS
Harold J. Hepp and Howard B. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application December 17, 1945, Serial No. 635,590
5 Claims. (Cl. 260—674)

1. A continuous countercurrent process for the purification of a hydrocarbon stock containing an aromatic hydrocarbon selected from the group consisting of benzene, toluene and the xylenes, and containing olenfinic impurities, for the removal of this olefinic impurity and wherein the hydrocarbon stock remains otherwise substantially unaltered, comprising contacting in a first zone with respect to the flow of complex an aluminum chloride hydrocarbon complex and partially treated hydrocarbon stock containing said aromatic hydrocarbon and olefinic impurities in the ratio of a maximum of about 20 parts by weight of complex to 100 parts by weight of hydrocarbon stock, separating the so treated stock as a product of the process from the contacted aluminum chloride hydrocarbon complex, further contacting this latter complex in a second zone with the first mentioned hydrocarbon stock and with dry hydrogen chloride as an activator wherein the complex is substantially fully degraded and the hydrocarbon stock is partially purified, separating said partially purified hy-



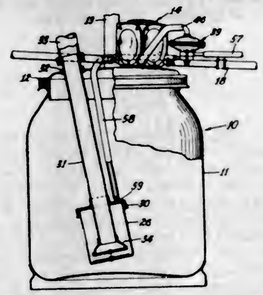
drocarbon stock from the substantially fully degraded complex and passing said partially purified hydrocarbon stock to the first contacting zone as the partially purified stock; adding water to the substantially fully degraded complex to liberate hydrogen chloride, said liberated hydrogen chloride containing some moisture, and treating said liberated hydrogen chloride containing some moisture with a fresh aluminum chloride hydrocarbon complex to remove said moisture from said hydrogen chloride and passing this dried hydrogen chloride into said second zone as the first mentioned dry hydrogen chloride, and passing said aluminum chloride hydrocarbon complex from the moisture removal step to said first contacting zone.

2,458,778
CORK REMOVER
William J. Hines, San Francisco, Calif.
Application November 9, 1945, Serial No. 627,761
1 Claim. (Cl. 81—3.45)



An appliance comprising an elongated open frame, a pin connected to and extending across said frame, a corkscrew pivoted to said pin, a top plate secured to said frame above said pin covering said pin and a portion of the shank of the corkscrew and having a pair of spring fingers depending therefrom to engage and to detachably retain said corkscrew within and in the plane of said frame, and a bottom plate coextensive with said top plate and secured to said frame below said pin, said latter plate having a recess extending from one end of said bottom plate to and slightly beyond the pin and in registration with the pivoted end of the corkscrew, the closed end of said recess providing a shoulder capable of limiting the swinging movement of said corkscrew in one direction when the same is moved at right angles to said frame to its operative position.

2,458,779
PRESSURE RELEASER MILKER
Floyd G. Hodsdon, Milwaukee, Wis., assignor to International Harvester Company, a corporation of New Jersey
Application November 14, 1945, Serial No. 628,483
7 Claims. (Cl. 31—82)

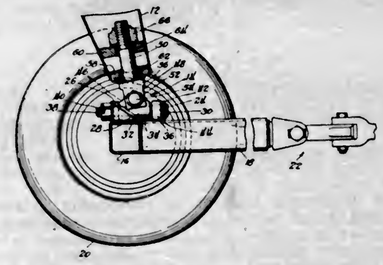


1. In a releaser milker system, a milk receiver pail, a pulsator associated with said pail for supplying intermittent vacuum and atmosphere pulsations to a plurality of teat cups, said pail having a vacuum therein; the combination with said pail, of a container mounted within said pail, said container being provided with a milk intake opening and a milk discharge opening, a regulating means actuated by the pulsator for alternately creating air pressure and vacuum within said container, said regulating means having a vacuum and a compressed air connection, means for sealing the intake opening of the container upon the compressed air application of said regulating means, thereby permitting the air pressure to expel milk through said discharge opening, and means for sealing said discharge openings upon the vacuum application of said regulating means thereby permitting the milk to flow from said pail into said container.

2,458,780
ANTIOXIDANTS
Louis H. Howland, Watertown, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 6, 1945, Serial No. 633,267
1 Claim. (Cl. 260—800)

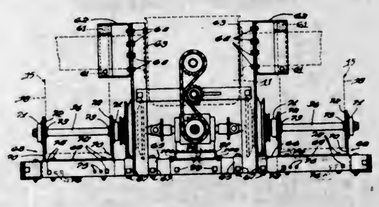
A rubber composition containing from 0.1 to 5% by weight of a 5-pyrazolone from the class consisting of 5-pyrazolone, 1-phenyl 5-pyrazolone, 2-methyl 1-phenyl 5-pyrazolone, 3-methyl 5-pyrazolone, 4-methyl 5-pyrazolone, 3,4-dimethyl 5-pyrazolone, 1,3,4-trimethyl 5-pyrazolone, 4-allyl 3,4-dimethyl 1-phenyl 5-pyrazolone, 3-benzyl 5-pyrazolone, 3-methyl 4-butyl 5-pyrazolone, 1-phenyl 3-methyl 5-pyrazolone, 3-methyl 4-lauryl 5-pyrazolone, 4-cyclopentyl 3-methyl 1-phenyl 5-pyrazolone.

2,458,781
UNIVERSAL HITCH
Loiell L. Hyler, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa, a corporation of Delaware
Application February 6, 1946, Serial No. 645,755
2 Claims. (Cl. 287—100)



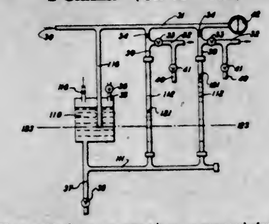
1. In a connection of the class described, a supporting member, a pair of bearing blocks formed on the supporting member, the bearing blocks having aligned openings therein, one of the openings being larger than the other, a pin having an enlarged end formed thereon mounted in the openings, the enlarged end of the pin being positioned in the larger opening, forwardly extending ears on the bearing block containing the smaller opening, a swivel block rotatably mounted on the pin between the enlarged end thereof and the opposite bearing block, and means for securing the pin in the bearing blocks.

2,458,782
TRACTOR-MOUNTED CORN PICKER
Benjamin M. Hyman and Elof K. Karlsson, Moline, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application April 11, 1942, Serial No. 438,582
3 Claims. (Cl. 56—18)



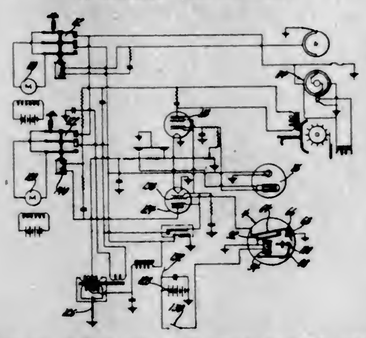
1. In combination, a tractor having a rear axle, a picker unit extending along one side of the tractor and entirely beneath the rear axle, and means mounting the picker unit on the tractor for pivotal movement of adjustment with respect thereto, comprising a member positioned parallel to and generally below the rear axle and below the portion of the picking unit extending thereunder, means attaching the member to the axle against movement of the member with respect thereto, brackets positioned on the transverse member, means pivotally mounting the picker unit on the brackets, and means for securing each bracket in a plurality of positions spaced along the length of the transverse member for lateral adjustment of the picker unit with respect to the tractor.

2,458,783
CONSTANT REFERENCE POINT MANOMETER
Joseph W. Jensen, Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application February 18, 1946, Serial No. 648,324
1 Claim. (Cl. 73—401)



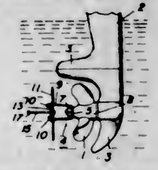
A differential manometer comprising: a tube having lower and upper ends, said tube being open at its upper end to a zone of pressure to be measured; a vessel provided in its upper portion with an outlet and provided below its upper portion with a downwardly facing inlet and with a connection with the lower end of said tube, said vessel being otherwise closed; means for conducting to said inlet fluid from another zone of pressure to be measured; a body of liquid in said tube, in said vessel, and in the connection therebetween, completely filling said connection and filling said vessel to a level above said inlet; and a restriction in said outlet having an orifice of such capacity as to cause a substantially fixed interface between said liquid and said fluid to be maintained at said inlet.

2,458,784
AUTOMATIC CONTROL
Charles F. Kettering and Albert W. Fischer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application April 7, 1944, Serial No. 529,990. Divided and this application September 28, 1945, Serial No. 619,118
10 Claims. (Cl. 318—489)



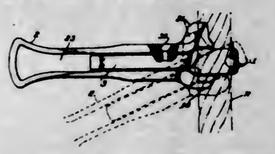
10. In means for controlling aircraft having elevators, means for driving said elevators in either direction, switching means for controlling said driving means including a first contact, chronometric means for driving said contact at a given fixed rate, a second movable contact traversing substantially the same path as the first and the first acting as a blocking member for the second so that the speed of the second cannot exceed that of the first, pressure sensitive means for actuating said second contact, supporting means for the pressure sensitive means and second contact and means to adjust the position of the supporting means so that corrections for ambient pressure at point of initiation may be made, a third contact, means for adjusting the same to a position representing a final altitude for level flight, said third contact lying in the path of movement of the second contact but not the first, and control means actuated by initial movement of the aircraft to start the chronometric means.

2,458,785
TROLLING PLATE ATTACHMENT
Edward B. Kottke, St. Paul, Minn.
Application June 26, 1946, Serial No. 679,318
9 Claims. (Cl. 170—135)



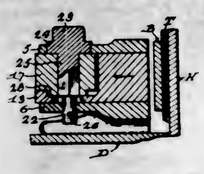
1. An attachment for connecting a trolling plate to a propeller shaft comprising a plurality of arms adapted to project rearwardly from the shaft and each having a transversely extending shoulder formed on its free end for passing a perforation in the plate to mount the plate on the arms, and a locking disc adapted to be interposed between each shoulder and the plate for obstructing passage of the shoulders through the perforations and thereby holding the plate on the arms.

2,458,786
SKI TOWROPE GRIPPER
Earl E. Lagergren, King County, Wash.
Application January 22, 1947, Serial No. 723,489
9 Claims. (Cl. 104—202)



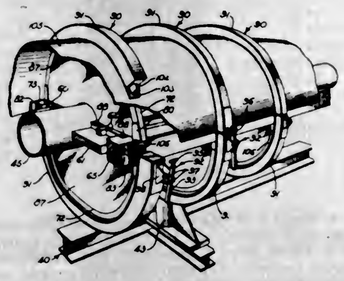
8. A ski tow rope gripping device comprising a handle which in operation is disposed generally horizontally and projecting laterally and somewhat rearwardly from the tow rope, an offset extension at and rigid with the rope-engaging end of the handle for positioning ahead of or behind the handle and alongside the tow rope, to deflect the rope upon application of a force to the handle, by reason of its offset location, a shackle pivotally mounted upon and in line with the handle, and of substantially arcuate shape, to encircle the tow rope, and to complete, with said extension, encirclement thereof in excess of a half-circle, and under the influence of the same force to deflect the encircled rope oppositely to the extension, the shackle and the extension being shaped and spaced to provide an entrance gap of such size that, when the handle projects laterally and forwardly of the rope, the rope may enter such semicircular notch of the shackle, and latch means including a hand-grasped portion lying alongside the handle, engageable with the shackle to hold the latter in closed operative position, and biased by the rope's force acting upon the shackle for movement into shackle-released position, to free the shackle for pivotal movement into open position, away from said extension.

2,458,787
BATTEN CLAMP
Onésime Lamothe, Champlain, Quebec, and Joseph Albert Lamothe, Lachine, Quebec, Canada
Application May 23, 1945, Serial No. 595,286
1 Claim. (Cl. 292—140)



In batten-clamping means, a body, a batten-engaging bolt slidable in said body, spaced parallel tongues extending from one end of said body, a corrugated cam rotatably mounted between said tongues having a periphery engageable with the bolt to positively slide the latter, notch means on the cam-engaging surface of the bolt for disengageably securing the corrugated cam in locked position, an auxiliary bolt-retracting cam formed on said first cam, an extension on the bolt for engagement by the auxiliary cam, and a rotatable pin for actuating both cams for extending the bolt and retracting same.

2,458,788
JIG FOR ASSEMBLING HOLLOW STRUCTURES
William L. Lewis, Glendale, and Frederic C. Pahl, Culver City, Calif.; said Pahl assignor to Hughes Tool Company, Houston, Tex., a corporation of Delaware
Application January 18, 1943, Serial No. 472,804
2 Claims. (Cl. 144—281)

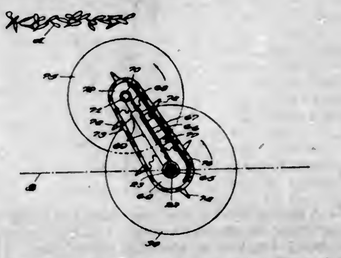


1. In an apparatus for assembling relatively long hollow structures having wall material in sheet form reinforced by internal frame members, the combination of: a jig assembly of a length greater than the hollow structure for positioning said frame members to receive said sheet material with intervening adhesive; at least three supporting means for said jig assembly, some of said supporting means being movable out of contact with the jig assembly to permit circumferential frame members to be moved onto and along the jig assembly from one end thereof for distribution of said frame members therealong; means for expanding said jig assembly outward to reinforce said frame members against inward pressure and for subsequently collapsing said jig assembly to permit subsequent withdrawal; and means for embracing the assembly of frame members with surrounding sheet material to press the sheet material inwardly against the frame members while said adhesive sets.

2,458,789
WIRE COILING MACHINE PARTICULARLY FOR PRODUCING COILED FILAMENTS FOR ELECTRIC LAMPS AND ELECTRONIC TUBES
Hans Marter, Milan, Italy, assignor to Societa Tecnica Applicazioni Metalli Duri Ed Affini—S. T. A. M. A., Milan, Italy, a corporation of Italy
Application April 18, 1947, Serial No. 742,276
In Italy May 18, 1946
7 Claims. (Cl. 140—71.5)

1. A wire coiling machine, comprising a hollow mandrel-guide spindle revolvable about its axis, a winding head disposed on said spindle near its discharge end for accommodating the wire to be coiled, a mandrel feeding member disposed near said spindle end and revolvable about an axis extending at an angle to an axial plane of said spindle, said spindle being angularly displaceable about a stationary pivot axis extending parallel to said axis of said feeding member.

2,458,790
BEET TOPPER
Robert P. Messenger, Kenilworth, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 10, 1944, Serial No. 544,215
8 Claims. (Cl. 55—107)



1. In a topping mechanism for beets and the like, in combination, a support, linkage pivoted on the support for vertical swinging movement, a cutting disk rotatable on an upwardly extending axis carried by the linkage for severing the beet tops, a second disk rotatable on an axis generally parallel to the first-mentioned axis for receiving the beet tops discharged from the first-mentioned disk, means for driving the second disk from the first disk, including means for driving said second disk at a higher rate than said first disk, and means associated with said drive means for guiding the tops from said first disk to said second disk.

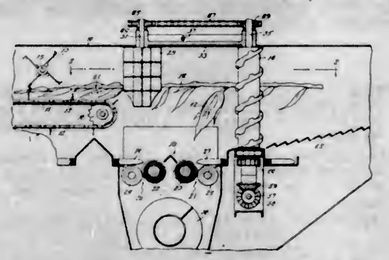
versing substantially the same path as the first and the first acting as a blocking member for the second so that the speed of the second cannot

ter such semicircular notch of the shackle, and latch means including a hand-grasped portion lying alongside the handle, engageable with the

supporting means being movable out of contact with the jig assembly to permit circumferential frame members to be moved onto and along the

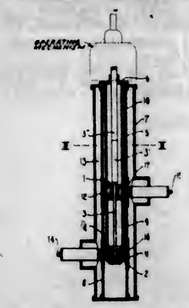
drive means for guiding the tops from said first disk to said second disk.

2,458,791
STALK FORWARDER FOR CORN PICKERS AND HUSKERS
Robert P. Messenger, Kenilworth, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 15, 1945, Serial No. 622,392
7 Claims. (Cl. 130—33)



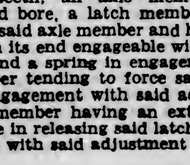
1. A corn machine having a housing, snapping and husking rolls mounted in said housing, said husking rolls mounted in said housing, said husking rolls positioned horizontally and transversely of said housing at a location forwardly of and beneath said snapping rolls, and a pair of cooperative stalk forwarding rolls vertically positioned and journaled in the housing at their upper ends, the lower ends of the forwarding rolls being unjournaled and depending over the husking rolls forwardly of the snapping rolls.

2,458,792
ELECTRIC CIRCUIT BREAKER
Hendrik A. H. Nijland, Laren, Netherlands
Application December 19, 1946, Serial No. 717,226
In the Netherlands January 16, 1946
2 Claims. (Cl. 200—48)



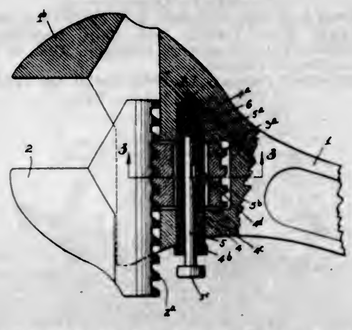
1. A metal-clad circuit-breaker for high voltage comprising in combination a stationary supporting body having a metallic outer wall and an inner wall of insulating material defining a space for an insulating fluid of constant and high quality, insulated leading-in conductors extending through said outer wall, contact means connected to said conductors and projecting into the central space of said body, metal screens conductively connected to said contact means and mounted to force the electric field of greatest intensity from said central space into said space between said outer and inner wall and a contact make and break element comprising a tube of insulating material, cooperating switching contacts mounted on said tube, certain of said switching contacts being movable and the remaining switching contacts being stationary with regard to said tube, and contact members supported by said tube and projecting into the central space of said supporting body, said contact members being connected to said relatively stationary switching contacts and so engaging the contact means secured to the leading-in conductors to permit said contact make and break element to be entirely withdrawn from and inserted into the supporting body, while the leading-in conductors are alive.

2,458,793
WRIST WATCH HOLDER
Vincent T. O'Donnell, Aberdeen, S. Dak.
Application May 7, 1946, Serial No. 667,925
3 Claims. (Cl. 224—4)



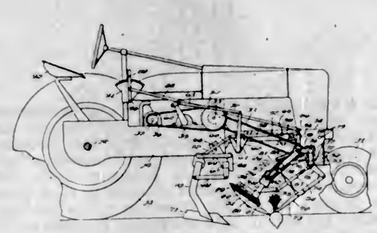
1. A wrist watch holder comprising in combination, a wrist band, a plate positioned medially the length of said band, said plate being notched to provide a pair of transversely aligned, elongated guide loops, a strip slidably positioned in said loops, a stop at one end and a pair of spaced detents at the remaining end of said strip, said watch being removably receivable between said detents.

2,458,794
LOCK FOR ADJUSTABLE END WRENCH
James H. Ogden, San Diego, Calif.
Application May 22, 1944, Serial No. 536,657
1 Claim. (Cl. 81—165)



In a wrench of the class described, the combination of a frame and handle member provided with a fixed jaw, a movable jaw reciprocably mounted thereon and provided with racked teeth, a revoluble adjustment worm nut having a bore therethrough and engageable with said movable jaw rack teeth, an axle member extending through said bore, a latch member reciprocally mounted in said axle member and having a spring portion with its end engageable with said adjustment nut, and a spring in engagement with said latch member tending to force said spring portion into engagement with said adjustment nut, said latch member having an extending thumb piece for use in releasing said latch member from engagement with said adjustment nut.

2,458,795
BEET TOPPER
John W. Orendorff, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application July 10, 1944, Serial No. 544,200
13 Claims. (Cl. 55—107)



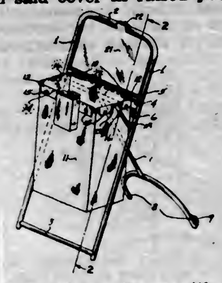
3. In a beet topper, in combination, a support, linkage mounted on the support for swinging movement in a vertical plane, a cutting element carried by the linkage, gauge means for the cutting element, means connecting the gauge means to the support for vertical swinging movement with respect thereto including means serving as a bell-crank pivoted on the support, means pivoting the gauge means on one arm of the bell-crank, means pivotally connecting the other arm of the bell-crank to the linkage, and means connecting the gauge means to the linkage for movement therewith.

2,458,796
PHENOL OXIDE RESIN LACQUERS AND THEIR MANUFACTURE
Gustav H. Ott, Riehen, and Wilhelm Kraus, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application July 29, 1947, Serial No. 764,558. In Switzerland August 8, 1946
21 Claims. (Cl. 260—43)

1. A process for the preparation of a lacquer raw material, especially for fired lacquers, from a resinous ethylene oxide derivative of a phenol, wherein an ethylene oxide derivative of a phenol, which derivative contains at least two ethylene oxide groups, is heated in the presence of a suitable solvent with dicyandiamide and an ether of a formaldehyde condensation product of a substance of the group consisting of melamine, urea, dicyandiamide and phenol.

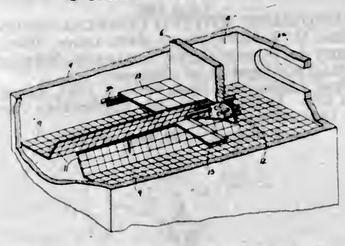
2,458,797
DISPENSING-DISPLAY STAND
Severin A. Prag, St. Louis, Mo.
Application December 5, 1945, Serial No. 632,875
2 Claims. (Cl. 248—97)

1. A dispensing-display stand comprising in its unfolded position a pair of diagonal side members and a swingable supporting member, a member rigidly connecting said diagonal members, a sack and means on said connecting member for swingably supporting said sack, slotted elements adapted for sliding movement upon said diagonal members for collapsing said sack, and means for preventing such movement, said diagonal members extending upwardly beyond said sack and being provided at their upper ends with a connecting member, and a swingable cover for said sack adapted to be engaged with said connecting member to retain said cover in raised position, said



stand being adapted to collapse with its parts in substantially parallel positions.

2,458,798
BAFFLE FOR WATERTUBE BOILERS
George P. Reintjes, Kansas City, Mo.
Application November 16, 1944, Serial No. 563,709
3 Claims. (Cl. 110—98)

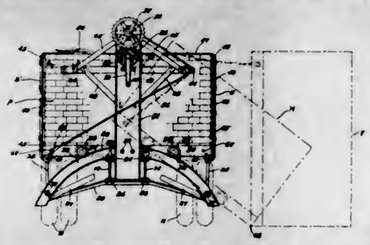


1. The combination in a water tube boiler having front and rear headers connected by a bank of water tubes in vertically and horizontally spaced rows, a roof spaced above said tubes, a fire box below the tubes, a bridge wall dividing the space above the tubes into a gas turn chamber and a gas outlet chamber, and side and end walls enclosing the tube bank and fire box, an outlet connection for the gas outlet chamber, of a plurality of spaced longitudinal baffles extending longitudinally of and upwardly through the tube bank from a point below the bridge wall to one end wall of the furnace, a cross baffle extending upwardly through the tube bank from a point below the bridge wall to the lower edge of the bridge wall to close communication between the space between adjacent longitudinal baffles and the outlet chamber, horizontal baffles extending from the side walls of the furnace to the lower edges of adjacent longitudinal baffles to confine upward gas flow to the space between said longitudinal baffles, and a horizontal baffle extending from the lower edge of the cross baffle to the back wall of the outlet chamber and from side wall to side wall of said chamber to close direct communication between the outlet chamber and the fire box.

2,458,799
VEHICLE UNLOADING CONSTRUCTION
Edward J. Sattler, Mineral City, Ohio
Application May 29, 1946, Serial No. 673,128
10 Claims. (Cl. 214—65.2)

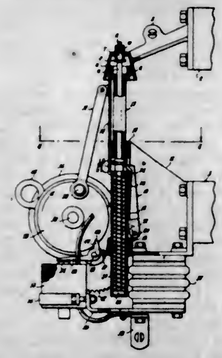
1. Vehicle unloading construction including a central beam extending longitudinally of the ve-

hicle, longitudinally spaced downwardly curved tracks mounted on said beam and extending laterally thereof in both directions, a tray rollably mounted on said tracks for supporting a stack of material, an upright post supported on the



beam, cable means supported on said post for moving said tray along the tracks to tilt the tray, and detachable means for securing said tray to said tracks when the tray is in substantially horizontal position.

2,458,800
AUTOMATIC SWITCH CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original application September 4, 1943, Serial No. 501,227. Divided and this application August 16, 1944, Serial No. 549,659
4 Claims. (Cl. 200—146)

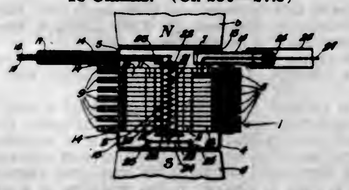


1. A switch construction comprising switch means including stationary contact means and movable contact means, said movable contact means having a main portion and an auxiliary portion, means for moving the main portion of said movable contact means out of engagement with said stationary contact means, a stationary insulating tube into which the auxiliary portion of said movable contact means is reciprocable, locking means for locking the auxiliary portion of said movable contact means in closed position, means actuated directly by said main portion of said movable contact means for tripping said locking means, and means for quickly reciprocating the auxiliary portion of said movable contact means into said tube after the main portion of said movable contact means has moved away from said stationary contact means.

2,458,801
ELECTRICALLY ENERGIZABLE FABRIC
Louis K. Schwartz, East Orange, N. J., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application August 22, 1944, Serial No. 550,529
5 Claims. (Cl. 219—46)

1. A method of forming electrically energizable units comprising the steps of knitting an imperforate fabric including the knitting thereinto of a portion of an electrical conductor as a weft traverse in one direction, knitting cloth weft traverses in closely packed relation to each other and to said conductor traverses while carrying another portion of said conductor parallel to the warp of said fabric, knitting a third portion of said conductor as a weft traverse in an opposite direction, knitting further cloth weft traverses also in closely spaced relation while carrying a fourth portion of said conductor parallel to the warp of said fabric and repeating the foregoing steps to produce imperforate fabric in endless lengths, cutting the length of fabric at predetermined points into short lengths, and severing the electrical conductor at points commensurate with the electric current with which the lengths of the electrical conductor are to be energized.

2,458,802
MAGNETRON ASSEMBLY AND METHOD
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 30, 1942, Serial No. 436,891
18 Claims. (Cl. 250—27.5)

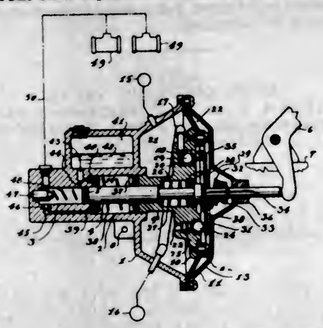


3. A discharge tube comprising a cathode surrounded by a laminated anode block, said anode block consisting of a series of stacked laminas, each lamina having a central cathode space, and a plurality of spaces interconnected with said cathode space and forming coupled cavity resonators.

2,458,803
COMBINED POWER AND MANUALLY OPERATED BRAKE BOOSTER
William Stelzer, East Orange, N. J.
Application June 24, 1943, Serial No. 492,106
7 Claims. (Cl. 60—54.5)

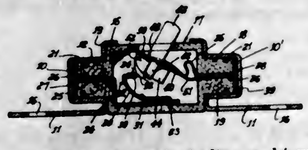
1. In a hydraulic braking system having actuating cylinders to expand the brake shoes, in combination, a pressure producing device comprising a chamber and a manually operated piston therein to force fluid to said actuating cylinders, an auxiliary piston in a separate chamber to produce a hydraulic pressure, a power motor to operate said auxiliary piston, fluid pressure transmitting means leading from said separate

chamber to said actuating cylinders, check valve means interposed in said fluid pressure transmitting means arranged to permit the flow of fluid from said separate chamber to said actuat-



ing cylinders but not in the opposite direction, and resilient means interposed between said manually operated piston and said auxiliary piston to tend to operate the latter upon operation of said manually operated piston.

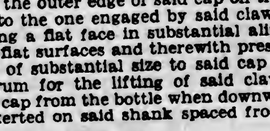
2,458,804
CIRCUIT PROTECTOR
Edward Victor Sundt, Arcadia, Calif.
Application February 25, 1944, Serial No. 523,958
4 Claims. (Cl. 200—116)



2. A circuit protector including a bi-metallic member having an arcuate portion, one end of said portion being fixed and a contact end portion disposed approximately at right angles to said arcuate portion and extending toward the concave side thereof, a leaf spring having one end fixed and a contact portion on the other end, said last named contact portion engaging under said first named contact portion, said spring being under tension for movement away from said bi-metallic member, and an arc reducing non-conducting baffle member mounted on the side of said leaf spring opposite the contacting area of said spring, said baffle member being constructed and positioned to pass in close proximity to the extremity of said contact portion of said bi-metallic member upon the separation of said contact portions by excessive heat.

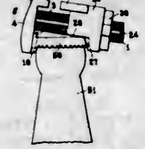
2,458,805
APPARATUS FOR MEASURING ELECTRICAL RESISTANCE
Henry George Taylor, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
Application October 19, 1945, Serial No. 623,269
In Great Britain September 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires September 1, 1964
7 Claims. (Cl. 175—183)

1. Apparatus for measuring the electrical resistance of a circuit having a power source, said apparatus comprising a current indicator having a first current range and a second and more sensitive current range whereby for a given deflection of said current indicator in said first and second range currents applied to said indicator bear a fixed ratio, a first impedance element, a second impedance element of relatively large value with respect to said first element, the values of said first and second impedance elements having an inverse ratio to said fixed ratio,



an adjustable impedance element connected in series with said second impedance element, and means including a switch for selectively connecting in a first position said current indicator in said first range across the circuit to be measured in series with the said first impedance element, and in a second position connecting said current indicator in said second range across the circuit to be measured in series with said second impedance element and said adjustable impedance element.

2,458,806
RECEPTACLE COVER PRY-OFF TOOL
James C. Tippett, Brockton, Mass.
Application July 2, 1947, Serial No. 758,512
1 Claim. (Cl. 81—3.46)



A receptacle cover pry-off tool comprising a grooved and threaded shank having a head at one end, said head having a rearwardly directed claw engageable beneath the margin of the cap of a capped bottle, a tubular jaw member having inner splines to engage the grooves in said shank, and a lock nut threaded on said shank back of said jaw to determine the maximum spacing of said jaw from said head, said jaw being cut away on the side facing said head to provide a pair of laterally flat surfaces for engagement with the top of said cap spaced back from said claw and a shoulder back of said flat surfaces for engagement with the outer edge of said cap on the side opposite to the one engaged by said claw, said shank having a flat face in substantial alinement with said flat surfaces and therewith presenting a flat area of substantial size to said cap serving as a fulcrum for the lifting of said claw to remove said cap from the bottle when downward pressure is exerted on said shank spaced from said head.

2,458,807
THERMOSTATIC SWITCH
John W. Tucker, Peotone, Ill., assignor to Hopax Industries, Inc., Chicago, Ill., a corporation of Illinois
Application July 16, 1945, Serial No. 605,219
6 Claims. (Cl. 200—116)

6. A thermostatic switch comprising, in combination, support means, a pair of relatively mov-

sulating material, cooperating switching contacts mounted on said tube, certain of said switching contacts being movable and the remaining

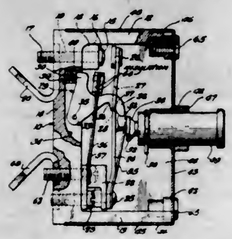
said latch member having an extending thumb piece for use in releasing said latch member from engagement with said adjustment nut.

provided at their upper ends with a connecting member, and a swingable cover for said sack

central beam extending longitudinally of the ve-

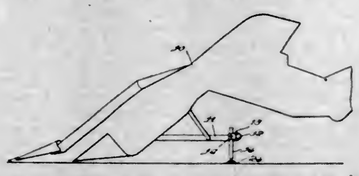
said movable contact means has moved away from said stationary contact means.

able contacts having open and closed positions, means biasing the contacts to the open position, latch means movably supported and having a latching position for holding the contacts in the closed position, means for biasing the latch means toward the latching position, thermostatic means for moving the latch means away from the latching position, cam means on the latch means coacting with one of said contacts normally to hold the latch means away from the latching position, and a manually operable actuating means having switch opening and closing positions and adapted



to coact with one of said contacts and the latch means, means biasing the actuating means to the switch opening position, said actuating means including a portion for moving the contacts to the closed position and an angularly disposed cam surface, and said latch means including a portion adapted to engage the cam surface when the latch means is in the latching position to retain the actuating means in the switch closing position, and said angularly disposed cam surface effecting movement of the latch means from the latching position when the actuating means is manually moved to the switch opening position.

2,458,808
SUPPORTING STRUT
Glen O. Turnbull, Rock Island, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application June 2, 1944, Serial No. 538,461
4 Claims. (Cl. 248—351)

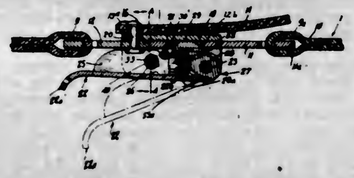


1. A holding means for a cylindrical shaft comprising in combination with a shaft, a U-shaped sheet metal member having respective axially spaced notches which are slightly larger in diameter than the shaft, each of said notches having side portions for engaging the shaft at circumferentially spaced points, said shaft extending through said notches and in engagement with said side portions, a second U-shaped member fitted within the first and being of an over-all width slightly less than the inside width of the first member, said second member having alined circular openings through which said shaft projects, said openings being slightly larger in diameter than the diameter of the shaft, the spaced portions around the notches of the first mentioned U-shaped member being positioned to form three point grips on the shaft with the openings in the second U-shaped member, and means for holding the two members together consisting of a headed element and a nut threaded thereon whereby the relative positions of the two members may be adjusted.

2,458,809
HOSE COUPLING VALVE
Zygfred A. Twardowski, East Detroit, Mich.
Application January 2, 1948, Serial No. 233
4 Claims. (Cl. 251—8)

1. A hose coupling of the kind described including two tubular members, each of them being open at one end and threaded for connection to a length of a hose, the other end forming a head including a plurality of apertures therein, the two tubular members being axially aligned but having the heads in opposed relation and held apart by a connecting rod, a sleeve mounted upon the heads of said tubular members, the sleeve including in its mid-length an annular portion extending inwardly into the space between the two heads, and threaded means upon the sleeve in engagement with threads on the outer surface of one tubular member to move said sleeve axially to bring said annular portion into abutment with the head of the respective tubular member to close the apertures therein.

2,458,810
AVIATOR'S BELT
Kenneth W. Varney and Harold D. Allen, East Hampton, Conn.
Application December 18, 1943, Serial No. 514,748
7 Claims. (Cl. 24—179)

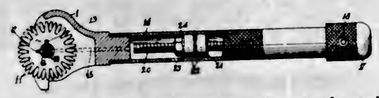


2. A buckle which comprises a body which has an opening through which a member can be inserted into said body, a locking bar turnably connected to said body, a catch located at the inner face of said locking bar, said catch being turnably associated with said locking bar, biasing means which abut said locking bar and said catch and which bias said catch to turn away from said locking bar and towards said body when said locking bar is in operative position, and holding means connected to said body and adapted releasably to hold said locking bar in operative position, said catch and said locking bar having cooperating stop means to limit the turning movement of said catch relative to said locking bar under the force of said biasing means, said catch being turnable towards said locking bar, when said locking bar is held by said holding means in operative position, said catch being shaped to engage said inserted member.

2,458,811
FISH MEASURING TAPE
George Von Koscielski, San Diego, Calif., assignor to Langley Corporation, a corporation
Application October 9, 1944, Serial No. 557,863
2 Claims. (Cl. 33—138)

1. In a device for measuring fish, a casing, a coiled linear measuring tape in said casing and protruding therefrom, a fish supporting hook suspended from and below said casing adjacent said tape at the same end of said casing substantially parallel to the extension of said tape from said casing whereby said casing supports said fish and one end of said tape while said fish is being measured.

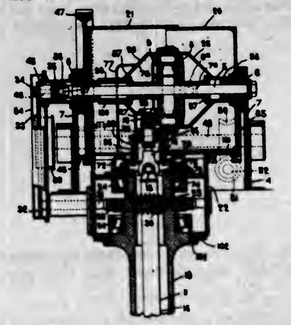
2,458,812
DRESSING TOOL FOR GRINDING WHEELS
Gerald J. Wallen, San Francisco, Calif.
Application May 18, 1946, Serial No. 670,736
2 Claims. (Cl. 125—37)



1. In a tool for dressing grinding tools, a bifurcated head having aligned threaded openings arranged in opposed relation, a normally stationary boss secured in one of the openings and having an axial socket, an annular groove and a radial channel connecting the socket and the groove, an adjustable boss secured in the other threaded opening of the head and having an elongated axial shaft extending into the socket of the other boss the said shaft having a longitudinal channel and a radial passage extending from the said longitudinal channel to the bearing surface of the shaft, a plurality of cutters journaled on the shaft, and means for supplying lubricant under pressure, to the annular groove of the stationary boss, whereby the bearing surfaces of the cutters may be lubricated.

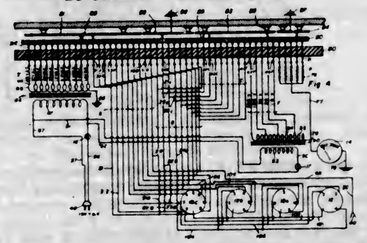
2,458,813
OUTBOARD PROPELLER MECHANISM FOR BARGES, SCOWS, AND THE LIKE
Arthur W. Wanzer, Quincy, Mass., assignor to Murray & Tregurtha, Inc., Quincy, Mass., a corporation of Massachusetts
Application February 13, 1943, Serial No. 475,744
10 Claims. (Cl. 115—35)

3. An outboard propeller mechanism for boats comprising a base adapted to be mounted on the deck of a boat, a supporting shaft carried by said base in outboard relation, a housing member mounted on said shaft to turn thereabout, a propeller housing carried by said housing member, a propeller carried by said propeller housing, means to operate the propeller, means operative from the front end of the base to turn the housing member about the supporting shaft and thus swing the propeller upwardly, said propeller housing being turnable about an axis at right angles to the supporting shaft for steering the boat, a steering wheel carried by said base at the front end thereof and connections between said steering wheel and said propeller housing by which turning movement of the steering wheel turns



the housing about its axis, said connections being operative in any position which the propeller housing assumes as it turns about the supporting shaft.

2,458,814
TUBE TESTING APPARATUS
Pat Warren, Fort Worth, Tex.
Application August 8, 1947, Serial No. 767,373
16 Claims. (Cl. 315—368)



1. In an apparatus for testing electronic tubes, a panel provided with a number of sockets having socket contacts, a source of currents, a meter, groups of contact plungers connected with the socket contacts, a group of contact plungers connected with the source of current, a further group of contact plungers connected with the meter, a number of contact plates facing said contact plungers, means for pressing said plungers towards said plates, a movable insulating type selector sheet provided with perforations interposed between said contact plungers and contact plates, providing for contact between the aforesaid plungers and plates through the perforations, thus establishing the test connections between electrodes and between electrodes, the source of current and the meter respectively.

2,458,815
TOOL HANDLE CONNECTION
Julius Winkler, Detroit, Mich.
Application January 21, 1946, Serial No. 642,586
8 Claims. (Cl. 306—32)

1. A hammer comprising an elongated head having a transverse internally-enlarged cavity therein with a plurality of spaced handle inlet and outlet openings of smaller cross-sectional dimension than the internal cross-sectional dimen-

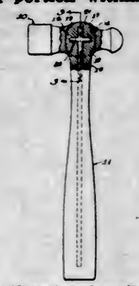
sion of said cavity, and a moldable plastic handle

inwardly into a flat abutment face at right an-

2,458,820

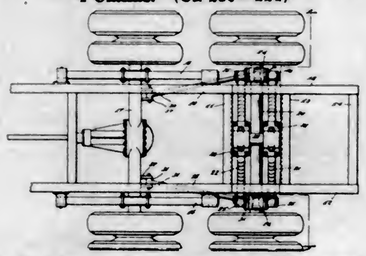
both directions through said opening in the stack and bearing an armature at the end in proximity

sion of said cavity, and a moldable plastic handle having its end portion within said cavity and



filling the space therein whereby to prevent withdrawal of said handle from said tool portion.

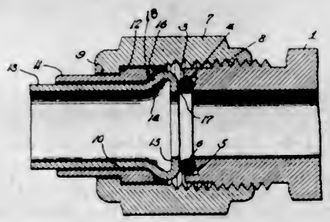
2,458,816
TANDEM AXLE CONSTRUCTION FOR TRUCKS
Ralph A. Woods, Morgantown, Ind.
Application March 24, 1947, Serial No. 736,837
4 Claims. (Cl. 280—124)



1. In a truck having a frame and a power axle with suspension means and driving means therebetween, a tandem axle construction comprising a tandem axle behind said power axle, upstanding shackle posts adjacent the ends of said tandem axle, a central spring support on said frame, a pair of transverse springs secured to said support on opposite sides of said axle, shackles between the ends of said springs and said shackle posts, a pair of tie rods respectively connected to said tandem axle adjacent its ends and below said axle, said tie rods extending forwardly and upwardly and being pivotally connected at their forward ends to said power axle at points spaced longitudinally thereof, said tie-rod connections providing limited universal movement and said spring shackles being relatively long whereby said tandem axle has substantial freedom of movement laterally of said frame and with respect to said power axle, said tie rods having their forward ends spaced apart a shorter distance than their rearward ends whereby during lateral movement said tandem axle is angularly displaced and steered to follow said power axle.

2,458,817
COUPLING FOR TUBES
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application December 2, 1944, Serial No. 566,316
1 Claim. (Cl. 285—120)

A coupling for tubes having the end thereof bent outwardly to provide a shoulder and thence inwardly into a flat abutment face at right angles to the axis of the tube, comprising a body member, a nut having a thread engagement therewith, a sleeve associated with said nut and adapted at its inner end to engage the preformed shoulder on the tube for clamping the abutment face of the tube against the outer end of the body member, said body member having at its outer end and the inner side thereof a recess, a



ring gasket located in said recess and dimensioned so as to protrude beyond the end of the body member when initially seated in the recess, said gasket being engaged by the flat end portion of the tube when the coupling is closed so that the gasket will be deformed and caused to fill the recess solely by the pressure of the tube end thereagainst, thus providing a liquid-tight joint between the tube and the body member.

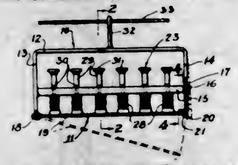
2,458,818
SOLID CATALYST TREATMENT OF GASEOUS HYDROCARBONS
David W. Young, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 9, 1945, Serial No. 627,789
6 Claims. (Cl. 260—683.15)

5. The process of producing normally liquid hydrocarbons from a normally gaseous olefin at a polymerization temperature in the range of 100° C. to 300° C. with a catalyst composed of an inorganic hydrogel selected from the group consisting of silica, alumina, and magnesia, containing titanium oxide dispersed within its gel structure, by hydrolyzing titanium sulphate in an alkaline metal acid carbonate solution mixed with the said hydrogel, followed by washing and drying the hydrogel thus treated and calcining the resulting gel containing precipitated titanium oxide at a temperature in the range of 1470° F. to 1670° F.

2,458,819
PURIFYING ALKYL HALIDES
Howard L. Yowell, Elizabeth, and Charles E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 23, 1944, Serial No. 555,589
4 Claims. (Cl. 210—42.5)

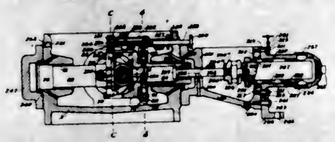
1. The process for removing small contaminating amounts of alkyl ethers from alkyl halides which comprises contacting in the fluid state the alkyl halides containing about 0.1% of alkyl ether with silica gel and withdrawing from said silica gel an alkyl halide containing less than 0.01% of alkyl ethers.

2,458,820
MULTIPLE HANGER
Maximilian E. Zimmermann, Los Angeles, Calif., assignor to Fred O. Martin, Los Angeles, Calif.
Application September 12, 1945, Serial No. 615,800
7 Claims. (Cl. 211—113)



4. In a multiple clamp a frame comprising a rod or wire shaped as a broad inverted U having downwardly directed end arms, a bar spanning the space between said arms, one end of said bar being secured to one of said arms and the opposite end thereof extending loosely through an aperture in the other end arm, a swingable arm for supporting garments, one end of said swingable arm being hinged to said frame in an outwardly spaced relation to said bar, a catch carried by the outer end portion of said apertured arm and normally engaging the free end of said swingable arm to keep it upswung, and spring-presser clamps carried by said bar in an abutting relation to said swingable arm when the latter is unswung, said apertured arm having sufficient resiliency to allow the catch which it carries to be manually moved to and from releasing position.

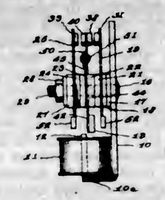
2,458,821
PUMP AND STROKE ADJUSTING MECHANISM
Harry J. Anderson and Milton V. Hartman, Chicago, Ill., assignors to Hills-McCanna Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1945, Serial No. 576,180
18 Claims. (Cl. 103—38)



1. A variable stroke device comprising a reciprocable cylinder closed at one end, a plunger adapted to reciprocate in said cylinder and extending beyond the other end of said cylinder, an inlet and an outlet valve on said cylinder for admitting and discharging liquid, means for maintaining said outlet valve in open or closed position during any portion of the stroke of said cylinder, and means for reciprocating said cylinder and plunger.

2,458,822
VIBRATOR
Robert J. Aust, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application February 3, 1944, Serial No. 520,873
6 Claims. (Cl. 200—90)

4. An electromagnetic vibratory interrupter which comprises in combination a hook-shaped ferromagnetic frame, a magnetizing coil on the hook end of said frame, a stack having an opening through its mid-portion mounted in an intermediate region of said frame on one side thereof, a substantially rigid lever structure extending in both directions through said opening in the stack and bearing an armature at the end in proximity to said coil and vibratory contacts at its other end, resilient hinges clamped in said stack for supporting said lever structure from a top portion of each hinge, relatively fixed contacts supported

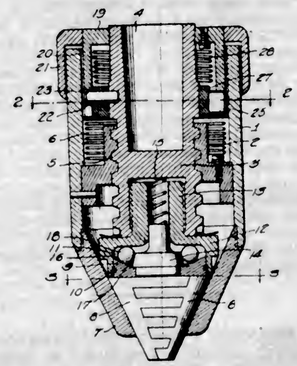


by side springs clamped in said stack adapted to cooperate with said vibratory contacts to control a plurality of electrical circuits, and an opening in said frame in the region of said armature to make the armature portion of said lever structure accessible for supervision and adjustment.

2,458,823
BENZOIC ACID DERIVATIVES
Souren Avakian, Oreland, Pa., assignor to The National Drug Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 19, 1946, Serial No. 677,898
2 Claims. (Cl. 260—472)

1. A beta-(beta-dialkylaminoethyl-mercapto)-ethyl alkoxyl-benzoate.

2,458,824
CHUCK
Johan Arvid Axelsson, Eskilstuna, Sweden, assignor to Aktiebolaget Fr. Ramström, Stockholm, Sweden, a corporation of Sweden
Application March 14, 1945, Serial No. 582,652
In Sweden June 1, 1942
3 Claims. (Cl. 279—64)



1. In a chuck, a central body member provided with a right hand thread, a chuck sleeve rotatably mounted on said threaded body member and having a tapering end portion, a number of chuck jaws arranged in said tapering end portion and adapted to be closed when the chuck sleeve is moved in one direction on said central body member and to be opened when the chuck

sleeve is moved in the opposite direction which

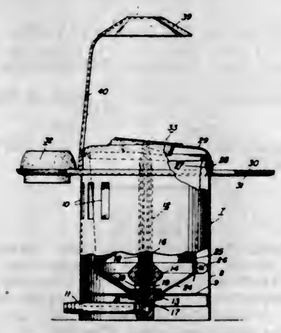
tending upwardly through the top closing means

2,458,828
TOY GUN

ing the electrical potential supplied to said analyzer which comprises a solid member having one

sleeve is moved in the opposite direction which last-mentioned movement is adapted to occur automatically, a spring-actuated locking means for automatically locking the chuck sleeve in an adjusted position on said central body member, said locking means comprising a number of bodies of rotation mounted in tapering pockets between said chuck sleeve and said central body member, a carrier member rotatably mounted with respect to the central body member and adapted to embrace said bodies of rotation, a manually operable ring member connected to said carrier member, and a torsion spring adapted to actuate said ring member and said carrier member and to turn the same in a direction for moving the bodies of rotation to the shallowest portion of their pockets for automatically locking said chuck sleeve to said central body member.

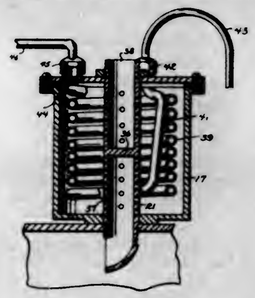
2,458,825
SPARK PLUG CLEANER
Alexander J. Battey, Skaneateles, N. Y.
Application August 26, 1946, Serial No. 692,947
4 Claims. (Cl. 51—8)



4. A spark plug cleaner, comprising a casing having a tubular wall and an elevated bottom, a substantially funnel-shaped element arranged in the casing and resting on the bottom, a blast nozzle comprising an outer abrasive compound tube and an inner air tube spaced coaxially therein with its lower extremity extending below that of said abrasive compound tube, a base member for said nozzle having coaxial openings arranged to receive the lower ends of said respective tubes, said base extending through said funnel-shaped element and bottom, means for clamping the base to the bottom and for securing said element in stationary position, and a porous bag suspended at its upper end from the top portion of said casing with its lower end secured to the top portion of said element.

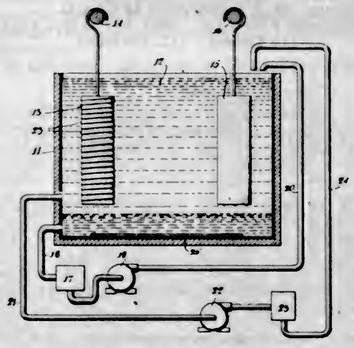
2,458,826
WATER HEATING TYPE FUEL CONDITIONER
Hamilton G. Blumberg and Elbert M. Stevens, San Antonio, Tex.
Application July 21, 1947, Serial No. 762,308
1 Claim. (Cl. 123—122)

A fuel conditioner comprising a casing having a bottom, a central pipe extending through the bottom and having a thread portion adapted to be extended through and connected to a cylinder head of an internal combustion engine, means for closing the top of the casing, said pipe extending upwardly through the top closing means and adapted to have outlet pipe means connected thereto, said central pipe having a partition to divide the top and bottom portions, each of said portions having perforations whereby water entering the pipe will leave the perforations of the



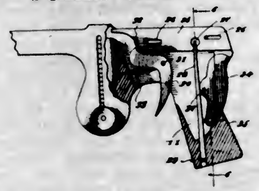
bottom portion to fill the casing and will enter the perforations of the top portion to leave the pipe, and pipe coils within the casing about the pipe and connected with fittings in the top closing means, inlet and outlet pipes connected with the fittings.

2,458,827
ELECTRODEPOSITION OF LEAD-TIN-ANTIMONY ALLOYS
James M. Booe, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 10, 1946, Serial No. 668,653
5 Claims. (Cl. 204—43)



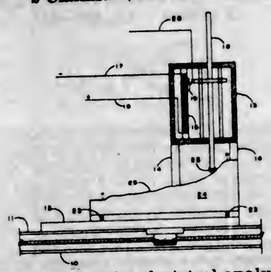
1. The method of electrodepositing lead-tin-antimony alloys which comprise passing current between a cathode and an anode consisting of a minor portion of tin and a major portion of lead through an electrolyte consisting essentially of lead fluorborate, tin fluoborate, and a compound selected from the group consisting of antimony trioxide and antimony fluoborate, maintaining a tin concentration of 0.5 to 10 grams per liter and a lead concentration of 5 to 200 grams per liter by corrosion of the anode, and maintaining an antimony concentration of 0.1 gram per liter to saturation by periodic addition of a soluble compound to the bath, said compound being selected from the group consisting of antimony trioxide and antimony fluoborate.

2,458,828
TOY GUN
Arthur H. Boese, Clinton, Okla.
Application August 16, 1943, Serial No. 498,850
2 Claims. (Cl. 124—27)



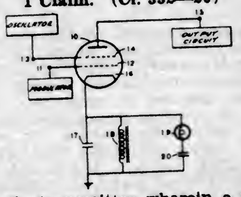
2. A toy gun comprising a gun form simulating body including a barrel formed to provide a projectile guide and a hand grip, the upper part of the hand grip having a chamber therein into which the rear end of the guide opens, a relatively long firing bolt slidably supported in the upper part of the chamber for movement on a line paralleling the guide and having a forward end portion adapted to enter the rear end of the guide for contact with a projectile in firing position in such rear end, a trigger having a hook portion pivotally supported in the forward part of the chamber and adapted for detachable connection with the firing bolt when the bolt is in retracted position, a leaf spring secured at one end in the lower part of the chamber and extending upwardly and having its other end loosely connected with the bolt, a member pivotally supported in the chamber adjacent to and upon the side of the leaf spring opposite from the trigger, said pivoted member having a portion extending outside the chamber beyond the rear side of the hand grip and having an opposite side portion engaging the leaf spring when the leaf spring is untensioned, the said pivoted member being adapted to be forced into the chamber against and to place the spring under tension by a hand grasping the hand grip, the said hook portion of the trigger maintaining the bolt against movement under the action of the tensioned spring prior to the actuation of the trigger.

2,458,829
APPARATUS FOR ADJUSTING THE ELECTRICAL CONDITION OF ELECTRICAL ANALYZERS
William A. Bruce, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 11, 1945, Serial No. 610,352
2 Claims. (Cl. 201—48)



1. In a system for the electrical analysis of the behavior of a petroleum reservoir, including an electrical analyzer, an improved device for varying the electrical potential supplied to said analyzer which comprises a solid member having one portion of its periphery shaped to conform with the production time curve of a selected well tapping said reservoir, means for moving said solid member uniformly in a direction parallel with the time axis of said periphery, a follower adapted to ride on the aforesaid portion of said periphery, an electrical element of variable value adapted to effect electrical changes in said analyzer in accordance with projected changes in production of said selected well and means carried by said follower for varying the value of said electrical element in accordance with changes in said projected production.

2,458,830
MODULATION INDICATOR
John F. Byrne, Wellesley Hills, Mass., assignor to the United States of America as represented by the Secretary of War
Application May 23, 1945, Serial No. 595,356
1 Claim. (Cl. 332—20)



In a radio transmitter wherein a modulation voltage and a carrier frequency voltage are mixed in an electronic tube having at least cathode, grid and plate electrodes, and a cathode circuit therefor, a modulation voltage indicating circuit comprising an incandescent light and a condenser connected in series with respect to each other and in parallel to an inductance and a second condenser, said inductance and said second condenser being connected in parallel to said cathode circuit, said inductance having a low impedance to modulation frequencies, said second condenser having a high impedance to modulation frequencies and a negligible impedance to all the higher frequencies, said inductance and said condensers acting to prevent the passage of any current through said incandescent light except a current varying in accordance with the modulation voltage, whereby the intensity of illumination of said incandescent light is an indication of the modulation voltage.

2,458,831
OPTICAL GUN SIGHT WITH HORIZONTAL AND VERTICAL DEFLECTION ADJUSTMENTS
Willoughby M. Cady, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application July 9, 1945, Serial No. 604,054
1 Claim. (Cl. 88—2.4)

In an optical gun sight for viewing a target, a reference reticle, a pivotable ray dividing means, means for projecting an image of said reticle upon said ray dividing means, a ray deflecting means optically interposed between said reference reticle and said ray dividing means, said ray deflecting means being adapted to change, in a horizontal direction, the position at which said image will strike said ray dividing means, said ray deflecting means including a pair of spaced coaxially disposed cylindrical optical prisms, said prisms hav-

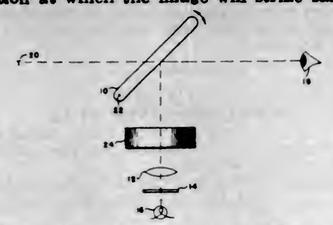
ing their bases, which are adjacent each other,

ends normally overlying and forming a cap for

of stitching securing said last-mentioned strips

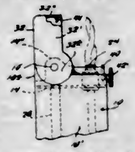
arated from one another by an air space whose axial length lies between zero and .01 times the

ing their bases, which are adjacent each other, disposed obliquely to their mutual axis and having their remaining bases disposed normally to their mutual axis, a circular rack secured to each of said prisms, said racks being coaxial with said prisms and of like diameter and facing each other, an idler gear in mesh with both of said racks and having the position of its axis of rotation fixed, means to revolve one of said prisms about its axis, means for pivoting the ray dividing means for changing, in a vertical direction, the position at which the image will strike said ray



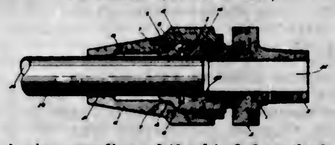
dividing means, whereby, upon revolving one of said prisms about its axis in one direction, the other prism is caused to revolve an equal amount in the opposite direction and thereby vary horizontally the position at which the image will strike the ray dividing means, and, upon pivoting of the ray dividing means, the position at which said image will strike said ray dividing means is varied vertically, the horizontal variations aforesaid being usable for windage correction and the vertical variation aforesaid being usable for range correction.

2,458,832
POCKET LIGHTER
Adolph Campos, Clifton, N. J.
Application September 14, 1945, Serial No. 616,202
3 Claims. (Cl. 67—7.1)



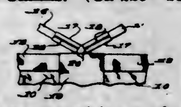
3. In a lighter, a rectangular hollow body constituting a fuel reservoir, said body having side walls, end walls connecting the side walls together, and a top wall inset with respect to said side and end walls, the side walls and one end wall being of uniform height and the other end wall being of a height higher than said side walls and said one end wall, the side walls adjacent said other end wall being each provided with a substantially semi-circular cut-out, said top wall being a plate having up-turned portions projecting above the side walls of said body, said upturned portions being arranged between the extremities of the plate, the ends of the upturned portions terminating in substantially semi-circular enlargements, each of said enlargements having a centrally-disposed aperture extending therethrough, a pin extending through the apertures in said enlargements and supported by the latter, a combined ratchet-and-spark-wheel unit rotatably mounted on said pin, a wick projecting from the top wall of said hollow body, a protective hood for said ratchet-and-spark-wheel unit mounted for rocking movement on said pin and having one of its ends normally overlying and forming a cap for said wick, the other end of said hood having side walls each substantially circular in form to conform to the curvature of the cut-outs of the side walls of said hollow body and in engagement with said cut-outs, said hood being provided with an inset adjacent its circular side walls so as to provide a rest for said hood upon completion of its rocking movement, and operative connection between said hood and said combined ratchet-and-spark-wheel unit to rotate the latter in response to the rocking movement of said hood, spring means interposed between the top wall of said body and said hood and operatively connected to said pin for effecting rocking movement of said hood about said pin, and latch means on the end wall of said body contiguous to the end of said hood having said cap and operatively connected to said hood for releasably holding said hood in its normal position.

2,458,833
SPRING COMPRESSION TUBING AND PIPE CONNECTION
Raymond Carignan, Bradford, Vt., assignor, by mesne assignments, to Mer-Wall Enterprises, Incorporated, Wallingford, Conn., a corporation of Connecticut
Application November 7, 1947, Serial No. 784,638
2 Claims. (Cl. 285—123)



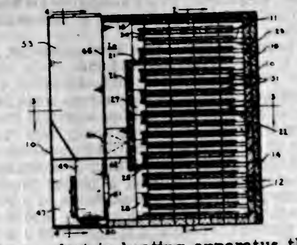
2. A pipe coupling of the kind described, comprising a member adapted to receive the end portions of abutting pipes fitted within said member, an exterior threaded portion on each end of said coupling, together with tapered end portions at each end of said coupling, an internal circular recess adjacent each tapered end portion where the same adjoins the threaded portion, in combination with threaded nuts tapered to cooperate with each bevelled end portion of said connecting member to clamp the end portions about the pipes fitted therein, whereby said end portions are compressed into pressure-tight clamping action on said respective pipe ends.

2,458,834
CONTAINER
Archie J. Chateauneuf, Lockport, N. Y.
Application April 9, 1946, Serial No. 660,763
2 Claims. (Cl. 229—23)



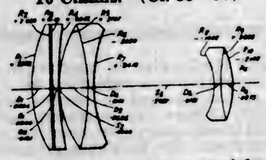
1. A container comprising a plurality of walls and a bottom, longitudinal strips of flexible folded material, lines of stitching securing said strips to the marginal edges of said walls and said bottom, stitches attaching said strips together at adjacent ends thereof to connect the corners of said walls and bottom, a reinforcing strip intermediate of opposite walls and provided on the top edges thereof, cover means hingedly mounted on said reinforcing strip at the top edges of the opposite walls, said cover means including top members, longitudinal folded material strips, lines of stitching securing said last-mentioned strips to the marginal edges of said top members, stitches hingedly connecting each of said members to said reinforcing strip at the top of the said opposite walls.

2,458,835
HEATING APPARATUS
Yngve R. Cornelius, Seattle, Wash., assignor to Acmheat Electric, Portland, Oreg., a corporation of Oregon
Application May 29, 1945, Serial No. 596,532
8 Claims. (Cl. 219—39)



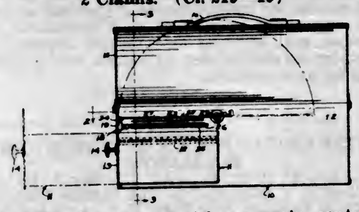
1. In an electric heating apparatus the combination comprising a heat accumulator means including a plurality of horizontal layers of bricks supported in a vertically spaced relation, a resistance element consisting of a plurality of lengths of bare iron rod connected together at opposite ends in series relation resting upon each of said layers, the resistance elements on said different layers being connected together in series relation, means for connecting said resistance elements to a source of electric energy, the resistance of said element being such that the maximum temperature thereof is limited to substantially 600° F., an insulated enclosure housing for said heat accumulator means, means for circulating air between said layers for heating the same.

2,458,836
OPTICAL OBJECTIVE OF THE TELEPHOTO TYPE HAVING AXIALLY SEPARATED CONVERGENT FRONT AND DIVERGENT REAR MEMBERS
Arthur Cox, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application May 31, 1946, Serial No. 673,303
In Great Britain April 3, 1946
10 Claims. (Cl. 88—57)



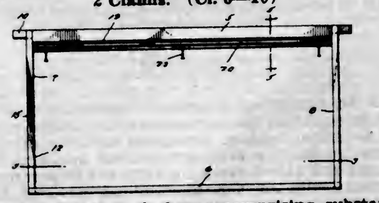
1. A telephoto objective, corrected for spherical and chromatic aberrations, coma, astigmatism and field curvature, and comprising a convergent front member and a divergent rear member axially separated from one another by an air space between .20 and .35 times the equivalent focal length of the objective, the divergent rear member being in the form of a meniscus doublet with its outer surfaces concave to the front and with its internal contact surface collective and convex to the front, whilst the convergent front member consists of two meniscus doublets separated from one another by an air space whose axial length lies between zero and .01 times the equivalent focal length of the objective and having their outer surfaces convex to the front, the front doublet having a convergent element in front of a divergent element, the internal contact surface between these elements being dispersive and having a radius of curvature greater than the equivalent focal length of the objective, whilst the internal contact surface in the rear doublet of the front member is collective and concave to the front with radius of curvature between .25 and 1.0 times such equivalent focal length.

2,458,837
LUNCH CAN
James Dougherty, Silver Creek, Pa.
Application March 11, 1947, Serial No. 733,949
2 Claims. (Cl. 219—19)



1. A lunch can comprising a main container part and a cover adapted to be extended over the same, said container part having an opening in one end, a drawer adapted to contain liquids or soup or the like slidable into the opening to consume part of the space within the main container part, an electrical socket connected to the end of the main container part above the drawer opening, a heating element having wires leading from the electrical socket and brackets for supporting the same above the drawer, a grill pivotally connected to the main container part between the side walls thereof and adapted to be extended over the heating element or pivoted to a position rearwardly of the same and serving when over the heating element to support the drawer which may have been removed from the main container part opening so that the contents of the same may be heated, said grill when not being used to support the drawer being adapted to be extended over the space within the main container part not consumed by the drawer to serve as a support or cover for any sandwiches or the like within the main container part to keep the same from shaking while the lunch can is being carried.

2,458,838
BEE COMB FRAME CONSTRUCTION
Guy Dunham, Bono, Ark.
Application April 27, 1945, Serial No. 590,531
2 Claims. (Cl. 6—10)



1. In a bee comb frame comprising substantially horizontal top and bottom frame members

and upright end frame members secured to the

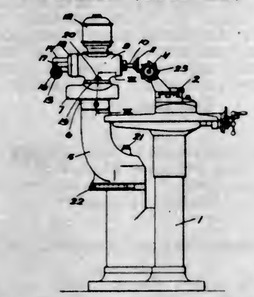
lifting power of the wings thereof, said spoilers

and upright end frame members secured to the ends of the latter, and the horizontal top member having a downwardly-directed, open longitudinal slot in the intermediate portion of the bottom surface thereof for receiving the upper edge of a bee comb, the features which include outwardly and upwardly-beveled edges on either side of the downwardly-directed slot upon said bottom surface of said top member, and having a second, horizontally inwardly-extending, longitudinal open slot in one side of said horizontal top member disposed substantially at a right angle to said downwardly-directed open slot and with the latter defining a yielding strip connected to the remaining portion of said horizontal top member by a thin web limited to the inner adjacent ends of both slots, the yielding strip being manually flexed to open and close said downwardly-directed open slot to facilitate insertion of the upper edge of said bee comb therein, and means for connecting said yielding strip to said remaining portion of said horizontal top member and bridging said second horizontally inwardly-extending slot to secure said yielding strip in fixed position.

2,458,839
ELECTRODEPOSITION OF INDIUM AND ITS ALLOYS
John Robert Dyer, Jr., and Timothy J. Rowan, Utica, N. Y., assignors to The Indium Corporation of America, New York, N. Y., a corporation of New York
No Drawing. Application April 19, 1944, Serial No. 531,818
9 Claims. (Cl. 204—45)

1. An electroplating bath containing as essential electroplating ingredients the anion SO_3NH_2 and the cation In in an ionizing solvent, the pH of said bath being below about 3.5, and the concentration of indium being at least 20 grams per liter and the concentration of sulfamate radical being at least 167 grams per liter.

2,458,840
GRINDING MACHINE
Elias Napoleon Eklund, Stockholm, Sweden
Application January 4, 1945, Serial No. 571,295
In Sweden May 16, 1942
4 Claims. (Cl. 51—122)

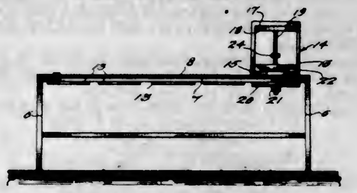


1. In a grinding machine for grinding cutting tools, especially formed cutters, the combination of a working table on which the tool to be ground may be fixed, a separate column mounted for rotary movement around a vertical axis arranged excentrically to the longitudinal axis of the column, a carriage on said column slidable in a horizontal plane, a head stock mounted for rotary movement on said carriage and carrying two driven spindles with an abrader secured to the free end of each, the axis of one of said spindles being perpendicular to the axis of the other spindle and being mounted for adjustment to various inclines in a vertical plane.

2,458,841
RUBBER SOFTENED WITH SULFUR DIOXIDE AND CHLORINE TREATED POLYISOBUTYLENE REACTED WITH AMMONIA
Norman M. Elmore, Elizabeth, and Albert M. Gessler, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 20, 1944, Serial No. 555,036
2 Claims. (Cl. 260—45.5)

1. A composition of matter comprising in combination a vulcanizable rubber selected from the group consisting of caoutchouc, the rubbery polymers of butadiene prepared in aqueous emulsion and the rubbery copolymer of a major proportion of isobutylene with a minor proportion of isoprene prepared by the addition of a Friedel-Crafts catalyst at low temperature; and between 5 and 40 percent per weight of rubber of a softener containing combined chlorine, sulfur and nitrogen prepared by the steps of dissolving in a chlorine resistant solvent a polymer of isobutylene having a molecular weight between 2,000 and 20,000, treating the polymer solution under the assistance of ultra violet light and heat with a mixture consisting of 2 to 5 parts of sulfur dioxide and 1 part of chlorine until substantial amounts of sulfur dioxide and chlorine are combined into the polymer, treating the resulting polymer derivative with ammonia and recovering the resulting polymeric softener.

2,458,842
FLANGE FORMING TOOL FOR OPENINGS IN SHEET METAL
Christian Evensen, Melrose Park, Ill.
Application January 5, 1946, Serial No. 639,227
2 Claims. (Cl. 153—25)

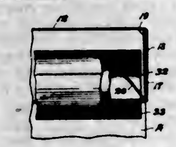


1. A device for flanging an aperture in a metallic sheet, comprising in combination, a pair of clamping plates adapted to receive said sheet therebetween, means for clamping said plates against said sheet, said plates being formed with aligned openings, the openings in one of said plates being surrounded by an annular flange constituting a female die, a screw-threaded shaft extending through said openings, a clamping disc and a male die positioned on said shaft, said disc engaging said flange, and a pair of clamping nuts on said shaft for urging said male die and said disc together, wherein said means include a substantially U-shaped frame including a pair of spaced legs and a cross-bar connecting the same together, one end of said shaft being secured to said cross-bar, and said legs engaging one of said plates.

2,458,843
METHOD OF IMPROVING CURED BUTYL RUBBER FOR PRESSURE WORKING
Wilbur F. Fischer, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 1, 1943, Serial No. 471,010
2 Claims. (Cl. 260—93)

1. In the treatment of a material prepared by reacting together a major proportion of isobutylene with a minor proportion of a conjugated diolefin having four to twelve inclusive carbon atoms per molecule, at a temperature between —40° C. and —160° C. in the presence of a polymerization catalyst comprising a Friedel-Crafts halide in solution in an alkyl halide having a freezing point below about —20° C. and non-reactivity with the Friedel-Crafts halide, comprising the steps in combination of chemically combining into the polymer a curing agent, milling the cured polymer to plasticity and intermixing therewith a further portion of uncured polymer, thereafter milling into the mixture a further portion of curing agent and then heating the mixed materials to a curing temperature for a curing time interval.

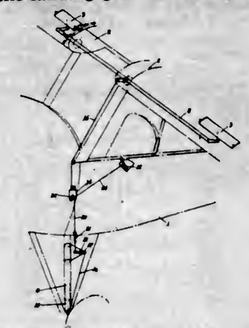
2,458,844
PACKAGING
James Foote, Plattsburg, N. Y., assignor to B. F. D. Company, New York, N. Y., a corporation of Maine
Application January 5, 1946, Serial No. 639,253
18 Claims. (Cl. 206—58)



17. An integral blank for a dispensing carton for holding a roll of sheet material having a core and dispensing lengths of said sheet material, comprising a rectangular front section having extensions on each side thereof separated from the front section by a score line and adapted to form side elements having end margins and side margins, a rectangular bottom section separated from said front section by a score line and having two side extensions separated from said bottom section by score lines which side extensions are adapted to form side elements having end margins and side margins, a rectangular back section separated from said bottom section by a score line and having two side extensions separated from said bottom section by score lines and adapted to form side elements having end margins and side margins, a rectangular top section separated from said back section by a score line, one of said side elements extending from each side of one of said sections having a further bearing extension at its side margin adapted to be formed into bearing relation with the core of a roll of sheet material to be dispensed.

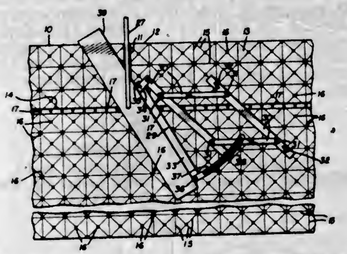
2,458,845
LANDING MECHANISM FOR AIRPLANES
Emil M. Gardner, Barberton, Ohio
Application August 28, 1947, Serial No. 771,018
13 Claims. (Cl. 244—81)

1. Mechanism for improving the landing of an airplane comprising spoilers for reducing the lifting power of the wings thereof, said spoilers being normally in inactive position, landing gear including a movable landing wheel support, a throttle, and mechanism for coordinating the operation of the spoilers, landing gear and throttle comprising an element movable by the impact of the landing gear with the ground and



a second element connected to the spoilers, and means to transmit the movement of the first element to the second element when said elements are coupled to shift the spoilers to active position, and a control device connected to the throttle and movable by the movement of the throttle to idling position to couple said elements.

2,458,846
ADJUSTABLE WORK GUIDE FOR SAW TABLES
Robert H. Gilmore, Los Angeles, Calif.
Application December 17, 1946, Serial No. 716,801
1 Claim. (Cl. 143—175)



In a work support for saws, the combination of a table provided with an opening to receive a saw blade and formed with a set of locating apertures, and a work guide positioned on said table and adjustable with respect to said opening, said guide comprising a primary bar and a secondary bar disposed in spaced parallel relation, spaced parallel links pivotally connecting said bars together and coacting therewith to define a parallelogrammatic frame, fastening elements provided on said primary bar and receivable selectively in said apertures whereby said frame is adjustably secured to said table, a work engaging and guiding beam pivotally connected at one end thereof to one end of said secondary bar and adapted to swing toward and away from the latter, an arcuate arm pivoted at one end thereof to said beam and formed with an arcuate slot, and an adjustable fastening means provided on said secondary bar and engaging said slot.

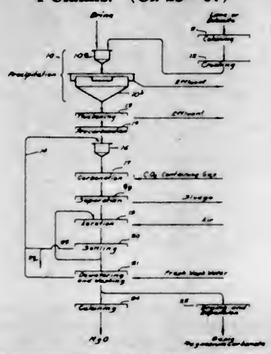
2,458,847
PROCESS FOR MANUFACTURE OF

the rearwardly extending parts of the jaws, when the jaws are closed, being spaced and adapted to

hinge mounting at one of the edges above and in

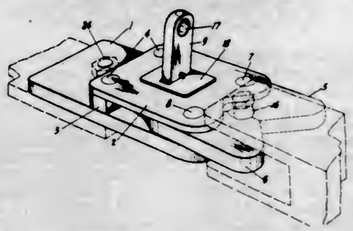
2,458,852
ROLL TENSION DEVICE

2,458,847
PROCESS FOR MANUFACTURE OF MAGNESIUM PRODUCTS
Gunter H. Glenn, Redwood City, Calif., assignor to Marine Magnesium Products Corporation, South San Francisco, Calif., a corporation of Delaware
Application May 10, 1943, Serial No. 486,391
4 Claims. (Cl. 23—67)



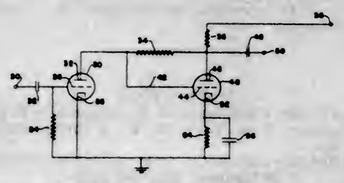
4. In a process for the manufacture of magnesium compounds from a brine containing convertible magnesium salts together with solid phase and dissolved impurities, the steps of reacting the impure brine with a lime containing material to convert the magesium salts to a magnesium hydroxide precipitate, said reaction being accompanied by formation of dissolved calcium salts, obtaining from the reaction step a slurry containing a precipitate together with a portion of the mother liquor and solid phase impurities from the brine, carbonating the slurry to a degree sufficient to convert the dissolved calcium salts present to solid phase calcium carbonate, subjecting the material to further carbonation to convert the magnesium hydroxide to magnesium bicarbonate, and then removing the magnesium bicarbonate solution from the remaining sludge solids.

2,458,848
HITCH MECHANISM
Clarence W. Goff, Washington, Iowa
Application November 26, 1945, Serial No. 630,824
1 Claim. (Cl. 280—33.15)



In a hitch mechanism, a supporting body having spaced upper and lower body members and a pair of laterally separated pivots connecting the body members, a pair of jaws mounted on said pivots and extending forwardly and rearwardly therefrom, said jaws being adapted to be opened and closed and, when closed, engaging each other with a hole between them opening upwardly and downwardly, only, for the reception of a hitch pin, the rearwardly extending parts of the jaws, when the jaws are closed, being spaced and adapted to receive between them a latching member, and a pivoted latching member carried by the lower body member and adapted to swing into and out of the space between the rearwardly extending parts of the jaws when they are closed and, when swung into position between the jaws, serving to hold the jaws closed, the latching member being a lever pivotally suspended from the lower face of the lower body member and spring-urged into latching position between the rearwardly extending parts of the jaws, said body members being slotted to allow the latching member to extend transversely through both body members and to swing about its pivot into and out of latching position.

2,458,849
DIRECT-COUPLED AMPLIFIER WITH DIRECT-CURRENT FEEDBACK
Russell J. Grambsch, Marshfield, Wis.
Application August 20, 1945, Serial No. 611,659
1 Claim. (Cl. 179—171)

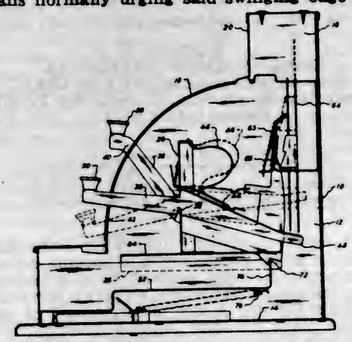


A multi-stage video amplifier having at least a first vacuum tube and a second vacuum tube, each of said vacuum tubes having at least a cathode, an anode, and a control grid, a resistance connected between the anodes of said vacuum tubes as a load resistance for said first tube and feedback resistance for said second tube, a further load resistance for both tubes from the anode of said second tube to a source of anode current, a direct electrical connection between the anode of said first vacuum tube and the control grid of said second vacuum tube, means for raising the potential of the cathode of said second vacuum tube above the potential of the cathode of said first vacuum tube, means for applying a signal to be amplified to the control grid of said first vacuum tube to provide a signal at said anode of said first vacuum tube whereby said signal is applied to the control grid of said second vacuum tube by said direct-current connection and whereby an amplified output is obtained at said anode of said second vacuum tube.

2,458,850
TARGET RELEASE ACTUATOR FOR TOY CASH REGISTERS
Floyd W. Hardick, Jackson, Mich., assignor to Ruth P. Berry, Jackson, Mich.
Application January 4, 1947, Serial No. 720,170
2 Claims. (Cl. 235—12)

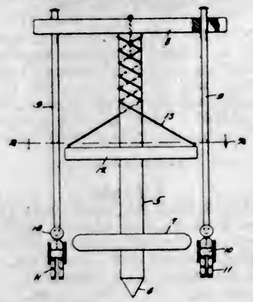
1. In a toy cash register, supporting case structure, a plurality of key levers, each of said levers having a key at one end and a target operating portion at the other end and being provided with a fulcrum point intermediate its ends, a fulcrum on the supporting structure on which said key levers are loosely disposed in a transversely spaced assembly for rocking movement around their fulcrum points, a drawer slidable within the supporting case structure, a target for each key lever, an elongated flap plate swingably mounted across the key lever assembly, said flap plate having its

hinge mounting at one of the edges above and in proximity to the fulcrum mounting of the several key levers for retaining said levers on the fulcrums and having its swinging edge engageable with the target operating portions of the key levers to retain them in normal position, spring means normally urging said swinging edge into



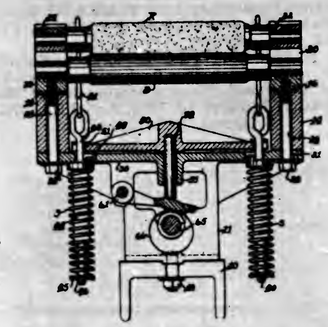
engagement with said key lever, and a pivotally mounted drawer latch member having a detent engageable with the drawer when in closed position and provided with an extension engaged by the swinging edge of the flap plate upon operation of a key whereby the drawer latch member is swung to drawer releasing position.

2,458,851
FIGURED SPINNING TOY
Frank Harris, Orlando, Fla.
Application September 18, 1946, Serial No. 697,610
1 Claim. (Cl. 46—50)



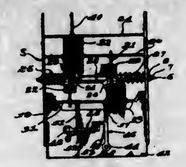
A spinning toy comprising a main stem having a supporting-surface-engaging point at its lower end, a cross-arm pivotally connected at its center point to the upper end of the stem, there being openings formed in the ends of the cross-arm, rods depending from the cross-arm and having their upper ends slidable and rotatable in the openings, jointed objects mounted at the lower ends of the rods and adapted to contact the surface on which the toy rotates, a balance wheel mounted on the lower portion of the main stem and rotatable with the main stem, said cross-arm being of greater length than the diameter of the balance wheel whereby to space the rods and objects from the periphery of the wheel, the lower ends of said objects being in a plane lower than the plane of the wheel, and means for imparting spinning motion to the main stem.

2,458,852
ROLL TENSION DEVICE
Sigurd H. Helland, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application May 31, 1946, Serial No. 673,558
3 Claims. (Cl. 19—135)



1. In a drawing mechanism having pairs of drawing rolls, bearing boxes for said rolls and side rails along which said boxes are adjustable, in combination, a cross bar for each pair of drawing rolls, a bolt extending through each end of each cross bar and through the adjacent side rail and into the adjacent bearing box and clamping said three parts together, with said cross bar and said bearing box in permanent assembled alignment, and spring tensioning means for each pair of rolls positioned and guided by the associated cross bar and shiftable therewith along said rails.

2,458,853
TIME CONTROLLED SWITCH MECHANISM
Ralph Lewton Hughes, Los Angeles, Calif.
Application April 22, 1946, Serial No. 663,901
6 Claims. (Cl. 200—38)



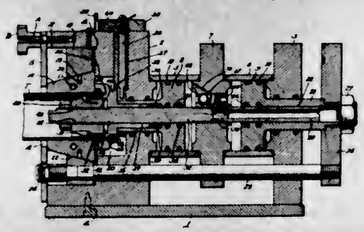
1. A time-controlled switch mechanism of the kind described comprising, in combination with a clock having an hour hand shaft provided with a forward coaxial extension, spaced gears slidable longitudinally on said shaft extension and having the latter freely rotatable thereon, said gears having inner spiral cam surfaces, springs acting to slide said gears toward one another, a spreader bar secured on said shaft extension to rotate therewith and arranged between said gears, the spreader bar engaging said cam surfaces so as to relatively move the gears apart and to allow them to be relatively moved toward one another by said springs upon rotation of the spreader bar relative to said gears, coacting circuit-controlling contacts operatively associated with and relatively movable in certain directions by the gears when the latter are relatively moved toward one another by said springs, further springs for relatively moving said contacts in directions opposite to said certain directions when the gears are rela-

which includes means for supporting a group of

in substantially right angular relationship to the

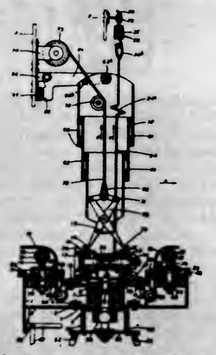
tively moved apart by said spreader bar, and manually operable means to independently rotatably adjust each gear to set the times of circuit closing and circuit opening by said contacts.

2,458,854
MACHINE FOR BEADING TUBES BY RADIAL EXPANSION FOLLOWED BY AXIAL PRESSURE
Henry E. Hull and Paul L. Takacs, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application January 10, 1945, Serial No. 572,147
8 Claims. (Cl. 153—73)



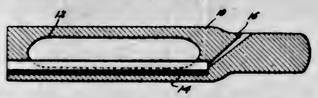
6. A machine for forming an external bead in the end portion of a tube comprising means for clamping the tube against endwise movement, an expansible head disposed within the tube, a beading head disposed in axial alignment with the tube, means for reciprocating the beading head, said beading head having means adapted to engage the expansible head for expanding the same to initiate the formation of a bead in the wall of the tube, said beading head having means adapted to subsequently engage the end of the tube for completing the bead by an axial force applied to the end of the tube.

2,458,855
PARACHUTE AND THE LIKE WITH ROTATING SUSTAINING BLADES
Vittorio Isacco, London, England
Application June 7, 1945, Serial No. 598,112
In Great Britain December 1, 1944
21 Claims. (Cl. 244—138)



1. A parachute to support the free descent of a body from an aircraft comprising a support, interfitting telescopic blade sections of aerofoil form rotatable on said support, means to rotate said blades shortly after the start of the fall and thereby to effect development and extension of the telescopic sections by virtue of the centrifugal force generated during said rotation, elements to limit the extension of said blade sections and mechanical means responsive to the initial part of the fall of the body from the aircraft to actuate said means to rotate the blades.

2,458,856
KITCHEN KNIFE SHARPENER
Jesse Bryan Jacobson, San Jose, Calif.
Application March 20, 1947, Serial No. 735,928
4 Claims. (Cl. 51—214)

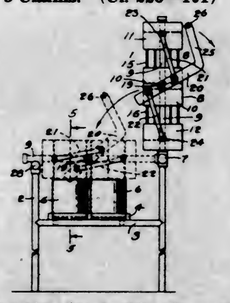


1. A knife sharpener comprising a housing, means for guiding knives in said housing, abrading means removably received in said housing, said guide means comprising an upper, lower and end walls defining a slot longitudinally of said housing, said abrading means comprising a sharpening stone extending partially within the slot and forming a portion of the said lower wall, and means for guiding a tool within said housing and against a terminal portion of said stone thereby facilitating removal of the stone.

2,458,857
METHOD OF PRODUCING METHYLFURAN
Iral B. Johns, Ames, Iowa, and Llewellyn W. Burnette, Easton, Pa., assignors to Iowa State College Research Foundation, Ames, Iowa, a corporation of Iowa
No Drawing. Application September 21, 1945, Serial No. 617,926
5 Claims. (Cl. 260—345)

1. A process for the production of methylfuran from furfural, which comprises vaporizing furfural by bubbling hydrogen through said furfural at a temperature of 110° C.–135° C., passing said hydrogen admixed with furfural at a temperature of 140° C.–280° C. over a catalyst prepared by reducing an acid-leached copper calcium chromate.

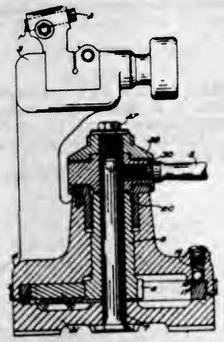
2,458,858
APPARATUS FOR PACKING ASPARAGUS
Howard E. Kelly, Los Angeles, Calif., and Harry A. Howard, Seattle, Wash.
Application May 28, 1945, Serial No. 596,140
5 Claims. (Cl. 226—101)



5. An apparatus for packing in containers asparagus stalks or articles of like elongated form,

which includes means for supporting a group of packing containers in fixed predetermined horizontal position, an article receiving member pivoted to swing from a vertical to a horizontal position above the packing containers, said article receiving member being provided with a group of circular recesses, each of which is adapted to register with a packing container of the said group of horizontal supported packing containers when the receiving member is in horizontal position above said group of packing containers, means for expanding the said group of recesses when the article receiving member is in vertical position to receive articles therein to be packed and to contact the group of recesses around the articles received, and to retain the same therein so that when the article receiving member is swung from its vertical position into its horizontal position above said group of horizontally positioned containers, the articles in said group of recesses are in position to be discharged into said group of packing containers.

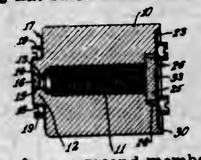
2,458,859
LOCATING AND LOCKING MEANS
Thomas Aubrey Kestell, Thurmaston, England, assignor to Power Jets (Research & Development) Limited, London, England
Application November 15, 1945, Serial No. 628,757
In Great Britain September 14, 1945
10 Claims. (Cl. 74—527)



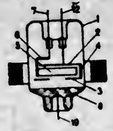
1. Apparatus for locating an element to a predetermined position and locking said element in said position comprising means for moving said element towards said position, means for preventing movement of said element beyond said position, and locking means for locking said element in said position, the said moving means comprising a rotatably mounted member adapted to be operable when rotated in one sense to move the element to the said position, and the said locking means being adapted to be operable only upon the continued rotation in the same sense of the said member beyond said position.

2,458,860
SCANNING LENS WITH MOUNTING MEANS FOR SOUND PROJECTORS
John Kogel, Malverne Park, Long Island, N. Y., assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y., a corporation of New York
Application April 19, 1946, Serial No. 663,283
5 Claims. (Cl. 88—24)

1. A scanning lens comprising a tube having recesses in its opposite ends, said recesses being in substantially right angular relationship to the axis of said tube, a first semi-cylindrical lens in one of said recesses having an outwardly facing flat surface, a first member detachably mounted on one end of said tube for engagement with said flat surface to retain said first lens in said recess in a predetermined position, a second semi-cylindrical lens in the other recess having an inwardly facing flat surface and an outwardly facing convex surface, a second member detachably connected to the other end of said tube, means on said tube and said second member for positioning said second member in a predetermined relationship to the axis of said first lens, and projections on said second member engaging the convex surface of said second lens to position said second lens relative to said second member so that the axes of said lenses are perpendicular to each other and to the axis of said tube.



2,458,861
MERCURY VAPOR DISCHARGE VESSEL AND CONNECTION ARRANGEMENTS FOR THE SAME
Alfred Kohler, Neuchatel, Switzerland, assignor to Sirco A.-G., Zurich, Switzerland
Application March 26, 1947, Serial No. 737,238
In Switzerland April 4, 1946
8 Claims. (Cl. 250—27.5)



1. A mercury vapour discharge device, comprising in a vessel a mercury cathode, an annular anode in a plane parallel to the mercury surface, cathode plates on both sides of said anode and parallel thereto, the cathode plate nearer to the mercury level being at a distance less than 10 mm. therefrom and a magnet so positioned with respect to said elements that the field of it passes through said cathode plates at right angles with their surface.

2,458,862
PREVENTING SECONDARY REACTIONS IN CATALYTIC PROCESSES
Robert W. Krebs, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 24, 1943, Serial No. 496,014
3 Claims. (Cl. 260—683.3)

1. In a process for carrying out gas phase reactions at elevated temperatures in the presence of finely divided catalytic material wherein the gas to be reacted is passed upwardly through a reaction zone containing a layer of finely divided catalytic material in dense, turbulent condition, overlain by a space above said layer containing a relatively small amount of catalyst; the method of preventing undesirable secondary reactions during passage of the reaction products through said space which com-

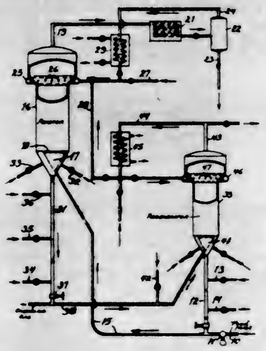
prises injecting an inert quenching gas into said space in an amount sufficient to reduce the tem-

2,458,864
METHOD OF MAKING INTEGRAL MOLDED

beam of visible light rays hereinafter described,

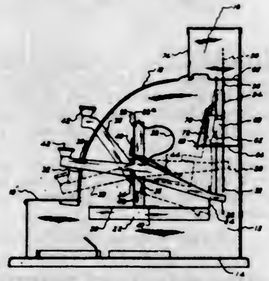
2,458,867
METHOD OF AND APPARATUS FOR PRE-

prises injecting an inert quenching gas into said space in an amount sufficient to reduce the temperature of the reaction gases passing therethrough below a temperature which will cause such secondary reactions, separating a portion



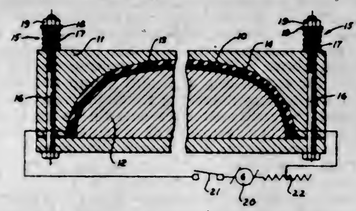
of the mixture of quenching gas and reaction gases, cooling the separated gas and returning this cooled gas to the space above the dense turbulent layer of finely divided catalytic material as the inert quenching gas.

2,458,863
COMBINATION KEY HOLDER AND TENSION MEMBER FOR TOY CASH REGISTERS
Henry A. Kroenlein, Los Angeles, Calif., assignor to Ruth P. Berry, Jackson, Mich.
Application January 10, 1947, Serial No. 721,192
3 Claims. (Cl. 235—12)



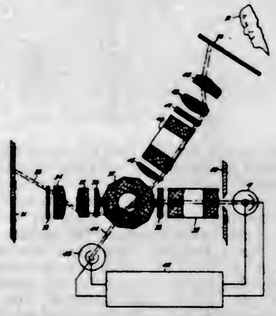
1. In a toy cash register, supporting structure, a plurality of key levers, each of said levers having a fulcrum point intermediate its ends, a fulcrum on the supporting structure on which said key levers are loosely disposed in a transversely spaced assembly for rocking movement upon their fulcrum points to and from depressed positions, and an elongated flap plate swingably mounted across the key lever assembly, said flap plate having its hinge mounting above and in proximity to the fulcrum mounting of the several key levers to retain said levers on said fulcrum mounting and having its swinging edge engageable with the inner swingable portions of the key levers for maintaining said levers in nondepressed position.

2,458,864
METHOD OF MAKING INTEGRAL MOLDED STRUCTURES
John D. Lindsay, Grosse Pointe Woods, Mich.
Application January 1, 1945, Serial No. 570,991
13 Claims. (Cl. 154—110)



2. The method of forming a laminated structure which includes the steps of placing a plurality of sheets of relatively thin material upon a contoured mold, applying an adhesive between adjacent sheets, positioning a layer of soft pliable electrically conducting elastomer adjacent the superposed sheets, passing an electric current through the elastomer to produce heat therein and to thereby heat the adjacent sheets and the interposed adhesive, applying pressure to mold the sheets to the contour of the mold, maintaining said heat and pressure until the sheets have become bonded together, and thereafter separating the molded structure from the mold.

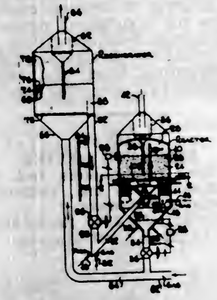
2,458,865
INVISIBLE LIGHT TELEVISION SYSTEM
William A. R. Maim, New Orleans, La.
Original application April 15, 1944, Serial No. 531,205. Divided and this application October 27, 1945, Serial No. 625,035
2 Claims. (Cl. 178—6)



1. In the art of television and the like, a device which combines the scanning of an object with the scanning of an image of said object for the purpose of viewing said object when enveloped in fog, haze, or darkness, comprising a lens assembly for intercepting a succession of parallel beams of infra-red or ultra-violet rays radiated from the surface of said object, means for filtering said successive parallel beams, a dual purpose rotating polyhedronal prismatic lens having a concentric circular hole and related cylindrical lenses providing means for simultaneously and vertically deflecting said successive parallel beams of infra-red or ultra-violet rays and a parallel

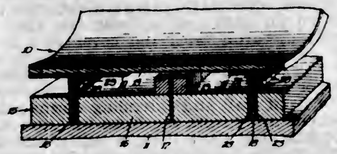
beam of visible light rays hereinafter described, a second rotating polyhedronal prismatic lens having a concentric circular hole and related cylindrical lens for horizontally deflecting said parallel beam of infra-red or ultra-violet rays, and an aperture plate which by virtue of the successive related positions of the said rotating prismatic lenses allows only the rays within said infra-red or ultra-violet scanning beam to convey modulating impulses to a photo-electric cell; a photo-electric cell or similar device, an amplifier and related means for producing a parallel image scanning visible light beam modulated by the output impulses of said amplifier, a third rotating polyhedronal prismatic lens having a concentric circular hole and related cylindrical lens for deflecting said parallel beam of modulated visible light rays in a plane perpendicular to the plane in which said modulated beam of visible light rays are deflected by the aforementioned dual purpose rotating polyhedronal prismatic lens, and a lens assembly providing means for determining the total viewing screen area scanned by said modulated parallel visible light beam thereby determining the size of the television image projected upon said screen.

2,458,866
REMOVING ENTRAINED GASEOUS FLUIDS FROM SOLIDS
Homer Z. Martin, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 21, 1944, Serial No. 564,515
8 Claims. (Cl. 23—288)



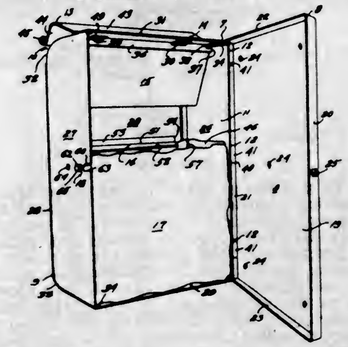
1. An apparatus of the character described including a cylindrical vessel having a top outlet for reaction products, a conical feed member therein having a horizontally arranged perforated plate arranged in the lower portion of said vessel providing a reaction chamber above said plate, a skirt depending from said feed member and forming with the internal wall of said vessel an annular stripping section, rows of baffles in said stripping section, means for introducing stripping gas below said baffles, said vessel having a conical bottom for collecting stripped solid material leaving said stripping section and a bottom outlet for solid materials, partition means arranged between the top of said skirt and the internal wall of said vessel, valved openings in said partition means for controlling the flow of solid particles from said reaction zone to said stripping section and means for withdrawing gaseous fluid from the upper portion of said stripping section and from beneath said partition means.

2,458,867
METHOD OF AND APPARATUS FOR PREPARING CREASING COUNTERS
George G. Messersmith, Chicago, Ill., assignor to J. F. Helmold & Bro., Inc., Chicago, Ill., a corporation of Illinois
Application June 7, 1947, Serial No. 753,341
13 Claims. (Cl. 76—107)



11. A method of preparing a creasing counter for operation in conjunction with a creasing rule, comprising rigidly supporting said creasing rule in a die together with elongated cutting rules on each side thereof which project beyond the working face of said creasing rule, simultaneously applying said cutting rules under pressure to an opposed counter to remove material therefrom between the cutting edges of the rules, and thereafter fracturing said cutting rules along the length thereof and behind said working face of the creasing rule, whereby to remove said cutting edges and expose said working face without altering the relation of said creasing rule to the die.

2,458,868
DISPOSAL RECEPTACLE
Charles E. Miller, Seattle, Wash., assignor to Time Oil Co., Seattle, Wash., a corporation of Washington
Application December 9, 1944, Serial No. 567,391
2 Claims. (Cl. 220—18)



2. A disposal receptacle comprising a housing open at its back and having a front wall, side walls, a bottom, and a top, the top being formed with an insert opening having its front portion extending downwardly into the front wall, a rear closure wall for the housing hinged at one side edge to one of said side walls of the housing and constructed and arranged to be secured against a support and mount the housing for swinging movement away from the rear wall from a closed position to an open position, means for releasably holding the housing in its closed position, a cover for the insert opening resting upon the top when closed and having its forward portion extending downwardly and formed with a handhold pro-

jecting outwardly from the front wall along the front edge of the said insert opening, a slide

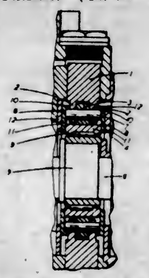
ing carbon monoxide and hydrogen in the presence of a powdered iron catalyst, which catalyst

2,458,872
PANORAMIC TILTING TRIPOD HEAD

2,458,874
COUPLING FOR TUBES
Arthur L. Parker, Cleveland, Ohio, assignor to

jecting outwardly from the front wall along the front edge of the said insert opening, a slide plate extending downwardly across the rear edge of said cover into the housing, hinges having leaves secured to the top wall and other leaves secured to the rear end of the cover, a bracing plate extending between side walls of the housing and limiting rearward movement of the side plate, said cover having upward swinging movement to an open position and the slide plate moving upwardly with the cover and limiting such upward movement by engagement of its free end with the front wall of the housing, a deflector plate mounted across the inner surface of the front wall and extending downwardly at an incline away from the front wall and having its ends spaced from the side walls, and a bag placed in the housing through the open rear thereof and resting upon the bottom of the housing, said bag being open at its top and terminating below the lower end of the slide plate and having the forward position of its upper edge overlapped by the inclined portion of the deflecting plate.

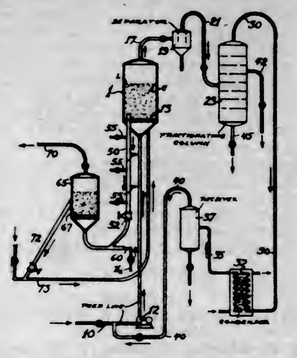
2,458,869
RECIPROCATING PUMP OR MOTOR
Joshua Challiner Naylor, Monkseaton, England, assignor to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Application January 4, 1945, Serial No. 571,249
In Great Britain October 27, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 27, 1963
10 Claims. (Cl. 74—51)



1. In a pump or motor of the radial type an eccentric, cylinders substantially radiating from the eccentric, pistons reciprocating in the cylinders, rollers carried by the pistons and engaging the periphery of the eccentric and means restraining the pistons from turning about their axes, said means comprising diametrically opposed flats on the pistons and a pair of axially spaced annular retaining rings engaging the flats on the pistons, headless cylindrical piston pins passed diametrically through the pistons and forming axles for the rollers, and integral abutment surfaces on the piston pins engaging the retaining rings at annular surfaces opposed to the piston for holding the piston pins against axial displacement.

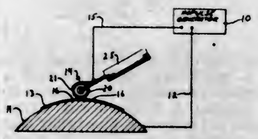
2,458,870
HYDROGENATION OF AN OXIDE OF CARBON
Henry J. Ogorzaly, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 29, 1946, Serial No. 673,189
2 Claims. (Cl. 260—449.6)

1. The method of forming hydrocarbons and oxygenated hydrocarbons which comprises reacting carbon monoxide and hydrogen in the presence of a powdered iron catalyst, which catalyst is maintained in the reactants, in the form of a dense fluidized mass in a reaction zone, maintaining said reaction zone at elevated temperatures and under superatmospheric pressure, withdrawing catalyst contaminated by carbon-containing deposits during said reaction, conveying said contaminated catalyst into a separate hydrogenation zone, forming a dense fluidized mass



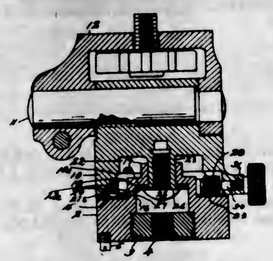
of said contaminated catalyst in a hydrogen-containing gas in said hydrogenation zone, maintaining a temperature of at least about 900° F. in said hydrogenation zone, permitting the contaminated catalyst to remain resident in said reaction zone for a sufficient period of time to effect removal of at least about 80% of said contaminants, withdrawing cleansed catalyst from said hydrogenation zone and returning the cleansed catalyst to the reaction zone.

2,458,871
MARKING DEVICE
Herbert E. Oles, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application July 12, 1945, Serial No. 604,611
3 Claims. (Cl. 219—15)



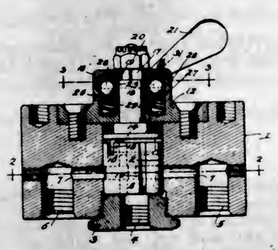
1. In an electric marking device, a metal object, a stencil mounted upon a surface of said object having openings therein defining a pattern to be marked on said surface, a metal marking member having projections extending therefrom constituting a continuous regular array of spark electrodes, and an impulse generator connected to said member and said object whereby, when the member is moved into contact with the stencil, sparks pass between said object and said electrodes through the openings in said stencil thereby marking a pattern on portions of said surface, the body of the stencil preventing the passage of sparks between the said electrodes and the other portions of said surface.

2,458,872
PANORAMIC TILTING TRIPOD HEAD
Robert J. Pagliuso, Glendale, Calif.
Application April 22, 1946, Serial No. 663,980
4 Claims. (Cl. 248—183)



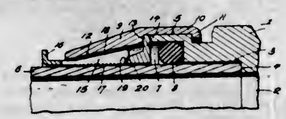
1. A panoramic tripod head including a base attachable to a tripod and supporting a flat, upwardly facing friction washer, a central boss upstanding in the washer from the base, a head body swivelled in said boss to turn on the plane of the said washer, a skirt extending downwardly from the head body and surrounding said boss and having a conical bore face, a radial screw projecting outwardly through the skirt, a split brake ring setting on said washer and fitting said bore face, and a nut on the inner end of the screw and having cam faces engaging and for expanding the ring against the bore face of the said body skirt.

2,458,873
INDEXING MECHANISM FOR VALVES
Arthur L. Parker and Emmett C. Hartley, Cleveland, Ohio, assignors to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application May 29, 1944, Serial No. 537,935
3 Claims. (Cl. 251—163)



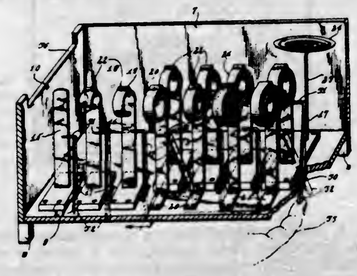
1. An indexing mechanism for a valve comprising a casing, a valve chamber provided with ports in the wall thereof, a valve rotor disposed in said chamber and having a port adapted to be selectively connected to the ports in the valve chamber, a stem connected to said valve rotor and projecting from said casing, a disk secured to said stem, spaced parallel stop shoulders carried by said disk, yieldable members carried by said valve casing and adapted to be selectively engaged by the respective stop shoulders, and means carried by said disk and cooperating with said yieldable members for holding said stop shoulders in contact with said yieldable members.

2,458,874
COUPLING FOR TUBES
Arthur L. Parker, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application December 28, 1944, Serial No. 570,158
6 Claims. (Cl. 285—168)



1. A coupling for tubes comprising a body member having a bore to receive the tube end, a nut directly connected to said body member, said body member having a counter-bore forming with the tube an annular chamber for a gasket, a deformable ring gasket in said chamber, said nut at its outer end being spaced from the tube and having the inner face thereof tapered, a sleeve disposed within the nut and free to move therein and projecting outwardly beyond the end thereof, said sleeve having the inner end thereof slotted longitudinally and having serrations on the inner face of the members between the slots, said members being disposed so that when a tube is inserted in the coupling said serrations will frictionally grip the tube, said sleeve having means on the outer face thereof adapted to engage the tapered face of the nut so that an outward pull on the tube will cause the serrations on the sleeve to grip the tube and prevent the removal of the tube from the coupling, and means within the nut for expanding the sleeve and releasing the tube when said sleeve is forced inwardly so as to release the coupling from the tube.

2,458,875
MUSIC BOX
Adolph Pfeiffer, Chicago, Ill.
Application January 12, 1948, Serial No. 1,699
4 Claims. (Cl. 84—408)



1. A music box of the character described comprising, a box structure open at the top, a top grill element removably secured to the said box structure and provided with a multiplicity of sound emission openings, a plural number of reed-like elements fixedly mounted at their lower termini to the base of the said box structure, their upper termini extending upwardly to be accessible to vibration producing means, slotted means on the bottom of the said box structure, and pick means articulately confined in the said slotted means and provided with prong means releasably engaging the free termini of the said reed-like elements.

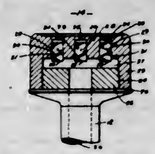
2,458,876
EYE SPRAY

prising an electrolytically reducible oxygen-yield-

said legs opposite the U-bend extending upwardly in horizontally spaced relationship for position-

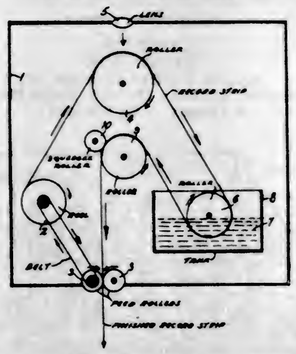
bracket, a gaseous electric discharge light source in said cylinder responsive to high frequency in-

2,458,876
EYE SPRAY
Anna Rehn, New York, N. Y.
Application January 16, 1946, Serial No. 641,503
2 Claims. (Cl. 128—249)



1. In a device of the character described, a support forming a casing, a pair of nozzles mounted on said support, each of said nozzles having a chamber therein, each of said nozzles having a plurality of jet members, each of said jet members having a helical passage therein in communication with the chamber within its associated nozzle, said nozzles being spaced a pupillary distance apart, a duct member supported in said casing and in liquid communication with the chambers in said nozzles, a handle attached to said support, and means for supplying liquid to said nozzles via said duct member producing a mist-like spray emanating from said jet members.

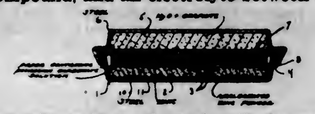
2,458,877
PHOTOGRAPHIC DEVELOPING METHOD AND APPARATUS
Walter Dean Rose, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application September 7, 1946, Serial No. 695,527
3 Claims. (Cl. 95—88)



1. A method for producing a permanent image on a sensitized strip containing a silver halide emulsion which comprises continuously exposing the emulsion side of the strip to a beam of light, continuously contacting the exposed emulsion side of the strip with an aqueous solution of ammonia and contacting the electrolyte-wet surface with copper while simultaneously removing excess solution from said strip.

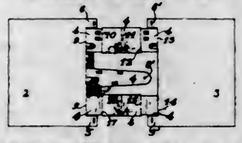
2,458,878
ALKALINE PRIMARY CELL
Samuel Ruben, New Rochelle, N. Y.
Application June 26, 1945, Serial No. 601,626
7 Claims. (Cl. 136—107)

2. A primary cell comprising an amalgamated zinc anode, a coherent conductive cathode comprising an electrolytically reducible oxygen-yielding compound, and an electrolyte between and in



contact with said anode and cathode predominantly comprising an aqueous solution of an alkali metal carbonate.

2,458,879
MANUFACTURE OF INTEGRAL, THREE-DIMENSIONAL, SELF-ERECTING ILLUSTRATIONS
Abraham Schenk, Brooklyn, N. Y.
Application November 13, 1944, Serial No. 563,300
1 Claim. (Cl. 46—36)



A method for making a folder having a three dimensional self-erecting illustration at its binding, consisting in cutting out portions of the central area of a flat sheet to form a central illustration at the center of said flat sheet which illustration is integral with the flat sheet and connects with and continues into uncut end portions of said flat sheet, scoring fold lines on said illustration in order that said illustration will be self-erecting when said uncut end portions of said flat sheet are moved towards each other to bring their adjacent ends together, moving said uncut end portions towards each other to bring their adjacent ends together, and binding the adjacent ends of said uncut end portions in order that they may open and close like a folder.

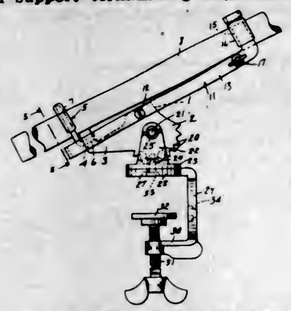
2,458,880
TOOL
John William Slayton, Jr., Pittsburgh, Pa.
Application December 16, 1946, Serial No. 716,463
7 Claims. (Cl. 306—33)

1. A tool of the class described comprising a head having an eye, a handle one end of which can be inserted into said eye, a wedge between said end and said eye, the wedge increasing in thickness from the outer to the inner face of the head, one side of said handle end having a sloping face cooperating with said wedge, and resilient means for applying pressure between the wedge and the handle end.

2,458,881
FISHING ROD HOLDER
Milton Steuer, San Francisco, Calif.
Application October 28, 1944, Serial No. 560,771
1 Claim. (Cl. 248—42)

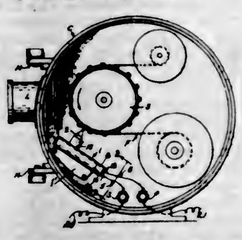
A fishing rod holder for an inclined or horizontal rod comprising a generally horizontally extending U-shaped member positioned with its legs horizontally spaced apart, the outer ends of

said legs opposite the U-bend extending upwardly in horizontally spaced relationship for positioning a portion of the handle of a fishing rod therebetween with the butt end of such rod extending over said U-bend, a cross piece connecting said legs adjacent the lower ends of the aforesaid upward extensions of said legs for supporting said rod, a support for said member, a horizontal pivot extending through said legs at a point between the U-bend and the free ends of said legs pivotally supporting said member for swinging in a vertical plane about said pivot, an extension on said support terminating adjacent said U-



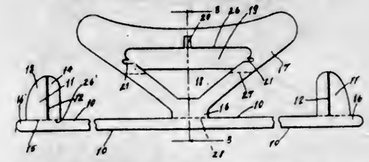
bend, a pair of upwardly extending jaws between said legs and pivotally secured at their lower ends to the outer end of said extension for swinging thereof to and from clamping engagement with said butt end of said rod when the latter extends across said U-bend, the portions of said jaws adjacent and above their pivoted lower ends extending divergently outwardly relative to each other in an upward direction for engagement with the said legs of said member adjacent said U-bend when the latter is swung upwardly about said pivot for automatically closing said jaws about said butt end.

2,458,882
TIMING DEVICE FOR HIGH-SPEED MOTION-PICTURE CAMERAS
Richard G. Stoner and Curtis W. Lampson, Princeton, N. J., assignors to the United States of America as represented by the Secretary of War
Application October 4, 1945, Serial No. 620,344
1 Claim. (Cl. 346—107)



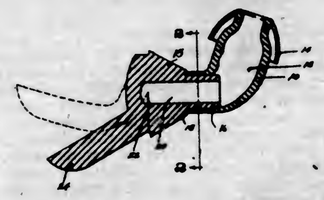
In a high speed photo film strip moving picture camera, a timing device to produce a time calibration record on the film strip while passing through the camera comprising an opaque closed hollow cylinder having a mounting bracket attachable to the wall of a camera adjacent the film path, said cylinder having a light port therein on a radius of the cylinder distant from said bracket, a gaseous electric discharge light source in said cylinder responsive to high frequency intermittent electrical discharges to propagate correspondingly intermittent light rays through said port, said cylinder having a lateral tubular extension concentric with the said radius of the cylinder, and a converging lens mounted in said tubular extension.

2,458,883
BOX AND PACKAGE HANDLE
William Trogman, Chicago, Ill.
Application November 13, 1944, Serial No. 563,167
1 Claim. (Cl. 16—125)



A handle for a box or like article comprising a body having an intermediate portion, a finger guard of elongated formation, a hinge connection between the guard and the intermediate portion and adapted to be flexed in a direction relative to the intermediate portion to permit the guard to be moved to a position beneath the intermediate portion with the intermediate portion disposed centrally with respect to the opposite long edges of the guard, said guard having at opposite ends thereof laterally extending fingers, said body having oppositely disposed notches formed therein for the reception of said fingers when said guard is disposed flush with respect to the intermediate portion, and said fingers adapted to move from engagement in said notches when said guard is moved into a horizontal position beneath the intermediate portion and to engage adjacent portions of said body to limit movement of the guard into said horizontal position beneath said intermediate portion.

2,458,884
EAR PROTECTOR VALVE
John Volkmann, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development, and The President and Fellows of Harvard College
Application January 3, 1946, Serial No. 638,881
5 Claims. (Cl. 128—152)



1. An acoustic valve for an earplug comprising a slitted elastic manually deformable body portion connected to the plug, said body having a blind sound-communication passage therein intersecting the slit and open through one end of the body, and means for moving the portions beside the slit apart from one another.

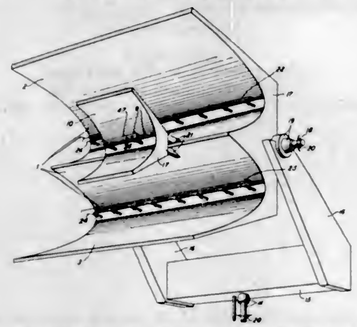
2,458,885
DIRECTIVE ANTENNA SYSTEM

reactive positions in the phenol nucleus, centrifuging and drying the cellulose product, combin-

2,458,888
ACRYLIC ESTERS OF ETHER-ALCOHOLS

said back-supporting members adjacent the associated groove being provided with one or more

2,458,885
DIRECTIVE ANTENNA SYSTEM
Clifford A. Warren, Watchung, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 15, 1944, Serial No. 568,248
16 Claims. (Cl. 250—33.65)



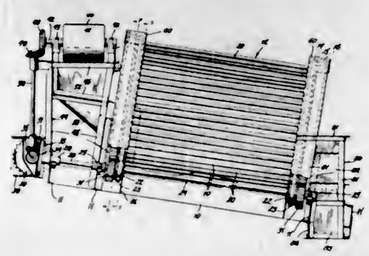
5. In combination, a pair of antenna systems connected through separate lines to the same translation device, one of said antenna systems having a minor directive lobe and the other antenna system having a maximum directive lobe, a direction of action in said maximum lobe being aligned with the axis or direction of greatest action in said minor lobe, a phase shifter included in one of said lines for rendering said lobes antiphasal and an attenuator included in one of said lines for substantially equalizing the intensities of said lobes in the direction of said axis.

2,458,886
METHOD OF BONDING CELLULOSIC MATERIALS TO RUBBER AND COMPOSITE PRODUCTS FORMED THEREFROM
Johannes G. Weeldenburg, Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application April 12, 1946, Serial No. 661,516
In the Netherlands September 15, 1945
8 Claims. (Cl. 154—139)

1. Vulcanized rubber articles reinforced with cellulosic products, said rubber articles and cellulosic products being bonded together by chemical reaction at their boundary surfaces respectively with a compound of the class consisting of dimethylol derivatives of mono-substituted phenol, mono-methylol derivatives of double substituted phenol and their salts, wherein the aforesaid substituents occupy the so-called reactive positions in the phenol nucleus.

3. A method of bonding cellulose products to rubber which comprises surface treating the cellulose product with a compound of the class consisting of di-methylol derivatives of mono-substituted phenol, mono-methylol derivatives of double substituted phenol and their salts, wherein the aforesaid substituents occupy the so-called reactive positions in the phenol nucleus, centrifuging and drying the cellulose product, combining the treated cellulose product with rubber and vulcanizing the composite product.

2,458,887
BAR SCREEN GRADER FOR CARROTS AND VEGETABLES HAVING LIKE TAPERING FORMS
Russell H. Winters, Green Bay, Wis., assignor to The Larsen Company, Green Bay, Wis.
Application February 11, 1947, Serial No. 727,794
1 Claim. (Cl. 209—393)

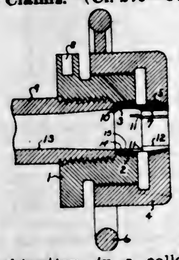


In a size grader for carrots and similar tapered vegetables, a cylindrical bar screen mounted for rotation about a generally horizontal axis and comprising a pair of end rings each having a series of radial slots near its periphery, a plurality of screen bars each having its opposite ends arranged in a corresponding pair of said slots on said end rings and thereby being supported generally in the form of a cylinder and generally parallel with said axis and capable of limited movement toward and from said axis, the opposite extremities of each of said screen bars projecting beyond said end rings, a pair of track bars of L-shaped cross section and of generally semicircular form each having a radially extending flange and an axially extending flange projecting from the outer edge of said radially extending flange, a stationary support holding each of said track bars alongside the lower part of each of said end rings with said axially extending flanges in opposed relation and engaging the sides of the passing screen bars to hold them in closely spaced relation as they traverse the lower part of said screen to provide minimum size grading apertures in the bottom of the screen, the said radial flanges preventing endwise displacement of said screen bars, a second pair of track bars of L-shaped cross section and of generally arching form and each having a radially extending flange and an axially extending flange projecting from the inner edge of said radially extending flange, a second stationary support holding each of said second track bars with its ends abutting the ends of one of said first track bars and with the radial flanges of both track bars forming a continuation of each other, said axially extending flanges of said second pair of track bars being in opposed relation to each other and spaced radially inwardly with reference to the axially extending flanges of said first pair of track bars and also engaging the sides of the ends of said screen bars, said second pair of track bars being arched to move the projecting extremities of said screen bars radially outwardly relative to said axis as they traverse the upper part of said screen to increase the size of said grading apertures and to release any carrots caught therein.

2,458,888
ACRYLIC ESTERS OF ETHER-ALCOHOLS
Chessie E. Rehberg, Glenside, and Charles H. Fisher, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 5, 1946, Serial No. 652,214
5 Claims. (Cl. 260—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

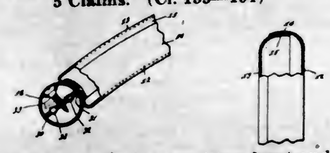
1. A monomeric ester having the formula $CH_2{:}CRCOO[CH_2CH_2O]_nR'$, wherein R is selected from the group consisting of hydrogen and methyl, R' is a branched chain alkyl, and n is an integer from 1 to 2.

2,458,889
COLLET CHUCK
Donald Wilbur Bloomquist, Chicago, Ill.
Application June 24, 1946, Serial No. 678,731
3 Claims. (Cl. 279—56)



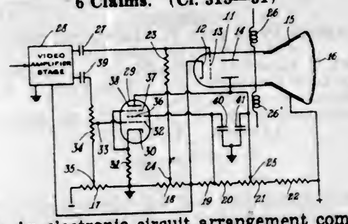
1. The combination, in a collet chuck, of a threaded backplate adapted to be threadably secured to the nose of a lathe spindle and having a tapered alignment sleeve and an alignment pin fitted thereinto, a threaded force-cap threadably secured to the said backplate and having a frustoconical alignment sleeve fitted thereinto, the said force-cap being further provided with an integral handwheel portion, and a tapered collet having a body defining a shoulder portion resting against the nose of the said spindle and provided with a keyway removably and interchangeably engaging the said alignment pin to prevent rotation of the said collet when the said force-cap is rotated, the said body of the said collet being removably confined between the free end of the nose of the said spindle and the said alignment sleeves.

2,458,890
METAL CHAIR
Earl C. Booth, Columbus, Ind., assignor to Noblitt-Sparks Industries, Inc., Columbus, Ind., a corporation of Indiana
Application April 3, 1944, Serial No. 529,349
5 Claims. (Cl. 155—194)



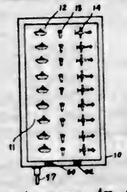
1. In a chair, a back comprising front and rear sheet-metal stampings provided with telescoping peripheral flanges formed to provide at each side of the back an outwardly presented groove, back-supporting members of metal tubing seated respectively in said grooves, the wall of each of said back-supporting members adjacent the associated groove being provided with one or more longitudinally extending slots, ears on said back extending into said slots, and screws passing through the walls of the back-supporting members and into said ears.

2,458,891
CATHODE-RAY TUBE FOCUSING CIRCUIT
Homer G. Boyle, Dobbs Ferry, N. Y., assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 721,553
6 Claims. (Cl. 315—31)



1. An electronic circuit arrangement comprising a cathode ray tube having an electron beam generating cathode electrode, a grid electrode, an anode electrode and a focusing element, a direct current potential source connected between said cathode electrode and said anode electrode, means to apply a first voltage of variable amplitude to the grid electrode of said cathode ray tube to intensity modulate the electron beam thereof, said potential source being responsive to the modulation of said beam to produce in the output thereof voltage fluctuations inversely proportional to changes in the intensity of said beam and thereby normally produce a defocusing of said beam, an electron discharge tube having a cathode electrode, a control electrode and an anode electrode, means to apply operating potentials to the electrodes of said discharge tube, means to apply a second voltage proportional to said first variable amplitude voltage to the control electrode of said discharge tube, and means to couple the anode-cathode circuit of said discharge tube to said focusing element to thereby maintain said electron beam in focus independently of said voltage fluctuations of said potential source.

2,458,892
AMUSEMENT GAME APPARATUS HAVING ILLUMINATING MEANS SIMULATING DROPPING OF A BOMB FROM AN AIRPLANE UPON A BOAT
William H. Burdick, Chicago, Ill., assignor, by mesne assignments, of one-half to Vincent T. Connor and one-half to Theodore A. Kruse
Application October 26, 1945, Serial No. 624,759
3 Claims. (Cl. 273—1)



1. An amusement game in which there is a play board having parallel rows of illuminating

elements associated therewith, comprising means for illuminating said elements, said means including an electric circuit having therein a mo-

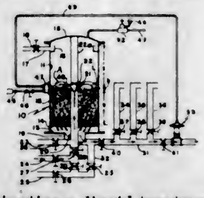
changer, an expansion engine for the expansion of compressed gas with performance of external work, a second heat exchanger, a second expan-

reducible sugar and an electrolyte in water as the catholyte solution in the cathode compartment of said cell, said solution containing from 200 to

tures, comprising a body portion having a laterally extending attaching hook adjacent one end thereof and a keyhole slot adjacent the opposite

elements associated therewith, comprising means for illuminating said elements, said means including an electric circuit having therein a motor-operated step-up switch controlling the successive illumination of the elements of one of said rows of elements, a push-button-controlled step-up switch for controlling successive illumination of the elements of another row of said elements, a step-up switch including a slow and fast operated step-up relay for controlling successive illumination of the elements of still another row of said elements, and a push-button-operated switch controlling alternate operation of said step-up relay.

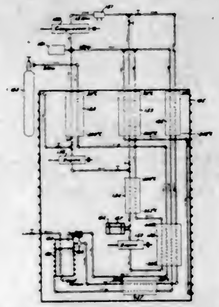
2,458,893
APPARATUS FOR CONDUCTING ION EXCHANGE OPERATIONS
Robert C. Campbell, Milburn, N. J., assignor to The Dorr Company (Inc.), New York, N. Y., a corporation of Delaware
Application October 6, 1945, Serial No. 620,723
2 Claims. (Cl. 210—24)



1. In combination a liquid treatment cell comprising a closed receptacle adapted to hold a bed of granular ion exchange material, said receptacle having means for feeding liquid to the top portion of said bed for passage downwardly therethrough, and having means for discharging liquid from the bottom portion of said bed whereby the bed is adapted to be kept in submergence, and a system for controlling the level of the liquid passing downwardly through the bed so as to maintain said level substantially constant comprising a supply conduit for an auxiliary gaseous pressure medium connected with said cell in a manner to exert pressure upon the liquid level, constant pressure control means for maintaining said pressure substantially constant, a throttling device for controlling the rate of discharge of said liquid, and actuating means for said throttling device operable to increase the flow resistance thereof when the liquid level has unduly dropped and to decrease the flow resistance when the level has unduly risen, a float controlled device actuated by said liquid level, and impulse transmitting means for transmitting impulses from said float controlled device to said actuating means whereby a rising of the float in the float controlled device effects a substantially corresponding increase of said flow resistance and a falling of the float effects a substantially corresponding decrease of said flow resistance.

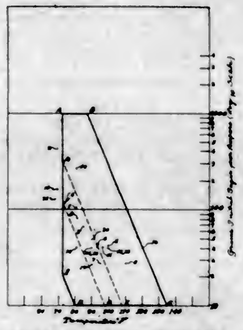
2,458,894
LOW-TEMPERATURE REFRIGERATION SYSTEM
Samuel C. Collins, Cambridge, Mass., assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
Application October 14, 1940, Serial No. 361,137
14 Claims. (Cl. 62—178)

3. A low temperature gas cycle refrigeration system comprising a compressor, a heat exchanger, an expansion engine for the expansion of compressed gas with performance of external work, a second heat exchanger, a second expansion engine for the expansion of compressed gas with performance of external work, conduit means for conveying a portion of the compressed gas from the compressor through said first heat exchanger to said first expansion engine, conduit means for conveying expanded gas from said first expansion engine through said first heat ex-



changer counter-current to the flow of compressed gas therethrough, conduit means for conveying a further portion of the compressed gas successively through said first and second heat exchangers to said second expansion engine, conduit means for conveying expanded gas from said second expansion engine through a space to be cooled and thereafter successively through said second and said first heat exchangers counter-current to the flow of compressed gas therethrough.

2,458,895
ELECTROLYTIC PROCESS FOR REDUCING SUGARS
Henry Jermain Creighton, Swarthmore, and Ralph A. Hales, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Application May 21, 1943, Serial No. 487,870
4 Claims. (Cl. 204—77)



4. In the process of electrolytically reducing a reducible sugar selected from the class consisting of monosaccharides and disaccharides in a cell provided with a metal plate cathode and an anode in cathode and anode compartments respectively separated by a diaphragm, and having an electrolyte solution in the anode compartment, the steps comprising employing a solution of the

reducible sugar and an electrolyte in water as the catholyte solution in the cathode compartment of said cell, said solution containing from 200 to 700 grams of the sugar per liter, the ratio of the area of the cathode of the cell to the volume of said catholyte solution being from 0.25 to 10 square decimeters per liter, passing an electric current between said anode and said cathode and through said catholyte solution to reduce the sugar therein to polyhydric alcohol, maintaining a current density of from 2 to 10 amperes per square decimeter of surface of said cathode during at least a substantial part of the reduction, and simultaneously maintaining said catholyte solution at a temperature of 80° to 110° F.; said current density and catholyte temperature being correlated, taking into account the initial concentration of sugar in the catholyte and the ratio of area of said cathode to the volume of catholyte, so that the point defined by plotting the arithmetic value of the temperature in degrees Fahrenheit as abscissa against an ordinate which is the logarithmic value of the expression,

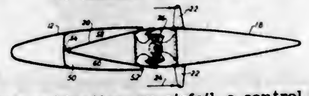
$$\frac{C_0}{R \times CD}$$

wherein,

C_0 is the initial concentration of sugar in the catholyte solution in grams per liter
R is the ratio of cathode area to the volume of catholyte solution in square decimeters per liter
CD is the current density at the cathode in amperes per square decimeter of cathode surface,

falls within the area ABCDEA in the accompanying graph Figure 3.

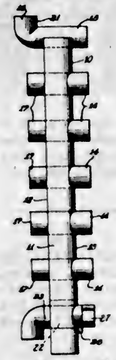
2,458,896
DIFFERENTIAL BALANCE FOR AIRFOILS
Robert A. Darby, Eggertsville, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 10, 1942, Serial No. 454,348
10 Claims. (Cl. 244—87)



1. In combination, an airfoil, a control surface pivotally secured to the trailing edge thereof, said airfoil having a rearwardly opening recess within its trailing edge, a balance member for said control surface pivotally mounted to the trailing edge of said airfoil for deflection about said axis relative to both said control surface and airfoil, said balance member extending forwardly from its pivot axis into said recess to divide said recess into opposed chambers, each of said chambers being subjected to outside pressure conditions on its respective side of the airfoil, and differential gearing operatively interconnecting said control surface and balance member such that said balance member deflects about its axis simultaneously with deflection of said control surface about its axis but to a lesser extent.

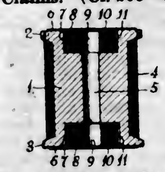
2,458,897
ARTICLE SUPPORT
Jan de Swart, Los Angeles, Calif., assignor to Shellmar Products Corporation, Chicago, Ill., a corporation of Delaware
Application July 13, 1946, Serial No. 683,373
5 Claims. (Cl. 248—243)

1. A shelf support adapted to be attached to a supporting wall having vertically spaced apertures, comprising a body portion having a laterally extending attaching hook adjacent one end thereof and a keyhole slot adjacent the opposite end, and a hook-shaped key, said attaching hook being adapted to be positioned in one of the aper-



tures in said supporting wall, and said key being adapted to be positioned in another of the apertures in said supporting wall and in said keyhole slot to attach said shelf support to said supporting wall.

2,458,898
COMBINATION SPOOL AND BOBBIN ASSEMBLY
Thomas D. Di Addario, Buffalo, N. Y.
Application March 2, 1948, Serial No. 12,512
6 Claims. (Cl. 206—47)



1. As a new article of manufacture and sale, a combination spool and bobbin assembly comprising a spool having a cylindrical body formed at its ends with upper and lower annular flanges which provide a channel in which thread is wound upon the cylindrical surface of the spool body and having an axial bore to take over the post of a sewing machine, the body being counterbored at each end concentrically to the axial bore in order to provide recesses open to the flat face of the body, bobbins fitted in the recesses and upon which thread is wound, the bobbins each having a central opening in alinement with the the bore and which may be set over the post of the sewing machine, and labels attached to the flat end faces of the spool and overlying the bobbins, normally to confine them in the recesses and to prevent their displacement.

2,458,899
COUPLING
Eugene N. Doubrava, Cleveland, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 7, 1946, Serial No. 652,608
3 Claims. (Cl. 284—4)

2. In a quick disconnect coupling of the type having a split valve for connecting coupling

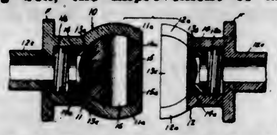
boxes in fluid flow communication and for sealing the coupling boxes in uncoupled relation together with a spring-pressed port seal in each coupling box, the improvement of an axially

emitting lamp communicating with the cabinet above the rack to direct rays on the head of the patient, and a thermostat control device for the

bottom surfaces adapted for direct seating on wheel-contacting surfaces of an associated derailer, whereby to remove car wheels from guidance by said derailer during passage thereof over

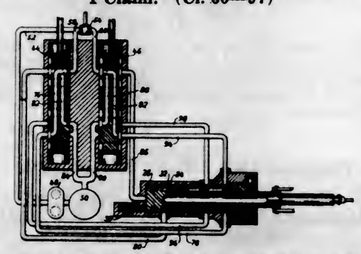
graphing a monochrome image onto a photographic light-sensitive silver-halide emulsion, developing the exposed emulsion to a negative, coloring certain portions of the negative which

boxes in fluid flow communication and for sealing the coupling boxes in uncoupled relation together with a spring-pressed port seal in each coupling box, the improvement of an axially



movable flow tube in the split valve acted on by the opposed port seals when the valve is rotated to place the boxes in fluid flow communication and defining a conduit passage connecting the ports of the boxes.

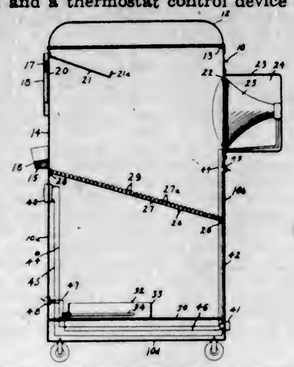
2,458,900
FLAP OPERATING MEANS
Frank Erny, Kenmore, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application August 10, 1942, Serial No. 454,345
1 Claim. (Cl. 60—97)



In combination, fluid motor means for operating a pair of members said means including a cylinder, a pair of pistons in said cylinder each connected to one of said members, fluid passages communicating with the end and intermediate portions of said cylinder, and valve means controlling the admission of fluid under pressure to and the flow of fluid from said cylinder through said passages, said valve means being operable to admit fluid under pressure through one of said passages into said cylinder between said pistons when said pistons are adjacent one end of said cylinder and to permit the flow of fluid from said cylinder through either of two passages communicating respectively with the other end of said cylinder and with an intermediate portion of said cylinder such that full or partial stroke movement of only one of said pistons is effected, said valve means also being operable to admit fluid under pressure through one of said passages to one end of said cylinder and to permit the flow of fluid from said cylinder through either of two passages communicating respectively with the other end of said cylinder such that full or partial stroke movement of both said pistons is effected.

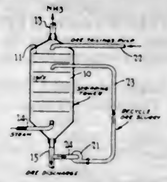
2,458,901
SCALP CONDITIONING CABINET
Clifford Fields, Mount Vernon, Ill.
Application December 18, 1946, Serial No. 717,039
5 Claims. (Cl. 128—375)

1. A treating device comprising a cabinet having a head-receiving aperture, a rack spanning the cabinet interior below said aperture and adapted to support hair thereon, a steam generator in the cabinet beneath the rack to supply steam to the rack for flooding the cabinet, a ray-emitting lamp communicating with the cabinet above the rack to direct rays on the head of the patient, and a thermostat control device for the



lamp and the steam generator to de-energize the same when the cabinet temperature reaches a preset degree.

2,458,902
RECOVERY OF AMMONIA FROM ORE TAILINGS PULP
Robert R. Fitzhugh, Nicaro, Cuba, and Benjamin F. Frederick and Bernard A. Axelrad, Freeport, Tex., assignors to Nicaro Nickel Company, New York, N. Y., a corporation of Delaware
Application October 7, 1943, Serial No. 505,402
10 Claims. (Cl. 23—193)

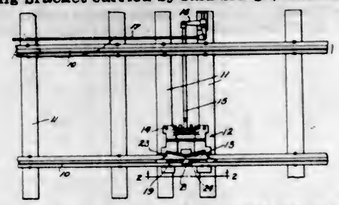


1. A method for recovering ammonia by distillation from nickeliferous ore tailings pulp containing residual ammoniacal leach solution and unstable magnesium compounds as impurities, which pulp and impurities have a tendency to form deposits on hot heating surfaces at the ammonia distillation temperatures employed comprising, heating said pulp by adding hot ore tailings slurry substantially free of magnesium impurities having such tendency and by direct heat transfer from a hot fluid medium from a temperature below 150° F. to a temperature at which precipitation of said magnesium impurities occurs, until this precipitation has been completed to an extent substantially overcoming the deposition tendency, and evaporating ammonia from the pulp while the same is flowing through a plate distillation column.

2,458,903
DERAILER BRIDGE FOR RAILWAY TRACK SYSTEMS
Willard A. Francis, Sr., Bowerston, Ohio
Application July 17, 1947, Serial No. 761,513
9 Claims. (Cl. 104—275)

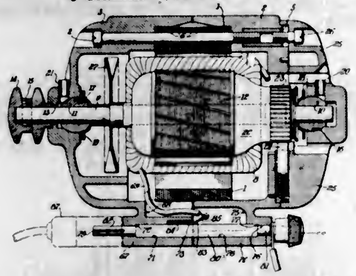
7. A bridge for railway derailers comprising a wheel-guiding body having wheel-engaging inclined top surfaces and reversely inclined planar

bottom surfaces adapted for direct seating on wheel-contacting surfaces of an associated derailer, whereby to remove car wheels from guidance by said derailer during passage thereof over said bridge, and a substantially U-shaped positioning bracket carried by said bridge, said brack-



et including a horizontally disposed leg adapted to be positioned between the under part of the derailer and the upper surface of an associated track rail, the said horizontal leg terminating in a downwardly directed flange having bearing engagement with the side of the head of said track rail.

2,458,904
DYNAMOELECTRIC MACHINE WITH INTEGRAL CONNECTOR BOXES
Reynold Happe, Pittstown, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 23, 1945, Serial No. 589,847
6 Claims. (Cl. 171—252)



1. In a dynamoelectric machine, a stator core, a split casing providing two opposed end-covers for said core and formed with apertures having internal shoulders, a current-conducting winding carried by said core, conducting leads connected to said winding, spring lugs connected to said leads, and terminal studs received in said apertures and secured therein in contact with said spring lugs by means of said shoulders when said end-covers are assembled to form said casing.

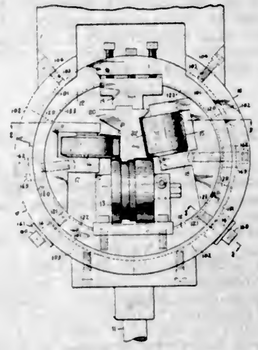
2,458,905
PHOTOGRAPHIC PROCESS FOR CONVERTING BLACK AND WHITE OR MONOCHROME PICTURES INTO MULTICOLOR PICTURES
Harold C. Harsh, Richard M. Haff, and Frank J. Kassuba, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application August 31, 1944, Serial No. 552,210. Divided and this application May 18, 1946, Serial No. 670,850
8 Claims. (Cl. 95—2)

1. The process of producing subtractively colored photographic prints which comprises photographing a monochrome image onto a photographic light-sensitive silver-halide emulsion, developing the exposed emulsion to a negative, coloring certain portions of the negative which are to appear in color in said subtractively colored print with a dispersion consisting of:

Water soluble organic dye ------ grams --	1–10
5–25% Aqueous solution of hydrophilic polymer ------ cc --	50–100
Water soluble aliphatic polyhydric alcohol containing at least two carbon atoms ------ gram --	0.5–1
Wetting agent ------ do ----	0.5–1

said water soluble organic dye in said dispersion being of a color, complementary to that which is to represent the corresponding colored portion in said print and coloring other portions of said negative with a dispersion as aforesaid in which the water soluble organic dye is of a color different from that of said first dispersion and complementary to that which is to represent the corresponding colored portion of said print, printing the resulting colored negative onto a photographic, multi-layer, light-sensitive emulsion, the layers of which are selectively sensitized to the red, green, and blue regions of the spectrum, each layer containing a color former capable of yielding a dye image complementary in color to that for which it is sensitized and developing the exposed layers by color forming development into a subtractively colored print.

2,458,906
SUPPLEMENTARY FORMING MEANS FOR STRIP-METAL FORMING MACHINES
Fred Himmel and Isidore Himmel, New Haven, Conn., assignors to The Himmel Brothers Company, Hamden, Conn., a corporation of Connecticut
Application May 25, 1946, Serial No. 672,284
7 Claims. (Cl. 153—32)



2. In a device for straightening a preformed metal strip: a fixed ring-frame; a carrier-ring; means arranged to support said carrier-ring for adjustment circumferentially within said fixed ring-frame; adjustable means cooperatively associated with said ring-frame and said carrier-ring to secure said carrier-ring in a predetermined adjusted position circumferentially within said fixed ring-frame; forming rolls; means arranged to support said forming-rolls within said carrier-ring for adjustment circumferentially therein; and adjustable-means cooperatively associated with said forming-rolls support-

ing-means and said carrier-ring to secure said forming-rolls supporting-means in predeter-

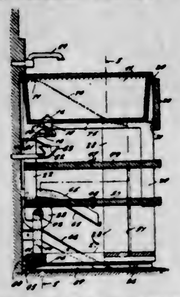
horizontally disposed foraminous liquid catching and liquid film retaining members, means for

2,458,911
DEVICE FOR DEPILATORY PURPOSES
Ellen Kerr, Coventry, England

a plurality of unfinished stones on radial lines so that the sides of adjacent stones are substantially parallel, cutting all of said stones by engagement

ing-means and said carrier-ring to secure said forming-rolls supporting-means in predetermined adjusted positions circumferentially within said carrier-ring.

2,458,907
SERVING COMBINATION
Boris Hoppe, Kew Gardens, N. Y.
Application August 2, 1944, Serial No. 547,735
8 Claims. (Cl. 280—44)



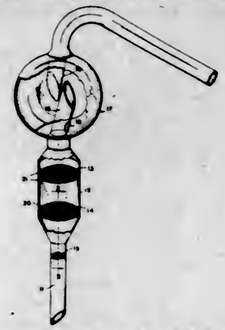
1. In a device of the character described, the combination of a movable server having a section thereof adapted to be moved vertically with respect to said server, said section comprising a top portion and legs supporting said top portion; vertically disposed support members swingably attached to said top portion and adapted to be swung from a first position at one side of said top portion to a second position underneath said top portion; means pivotally connecting said support members with a pair of said legs, said pivotal connecting means being operative in response to a force acting thereon to exert pressure on said section while coincidently permitting movement of said support members from said first position to said second position, and means cooperative with said pivotal connecting means for directing the pressure on said section upwardly in order to raise said section.

2,458,908
METHOD OF STRIPPING ELECTRODEPOSITED MANGANESE
James H. Jacobs, Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va., a corporation of Virginia
No Drawing. Application November 13, 1944, Serial No. 563,325
2 Claims. (Cl. 204—105)

1. That method of stripping electrodeposited manganese in large pieces from a stainless steel cathode plate which is characterized by heating the plate with the deposited metal to a temperature of about 350° C. for a period of fifteen minutes to two hours; and then breaking the deposited metal from the cathode plate.

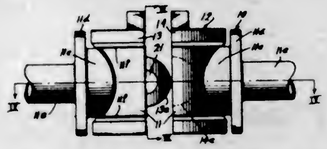
2,458,909
SPRAY TRAP
Harry J. John, Philadelphia, Pa.
Application April 22, 1947, Serial No. 743,213
3 Claims. (Cl. 183—94)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a vapor column, a liquid-film vapor contact scrubber comprising a vertical tube having horizontally disposed foraminous liquid catching and liquid film retaining members, means for holding said members in position, an enclosure above said tube forming a chamber, the upper end of said tube being disposed through the bottom of said chamber, said tube having an aperture through the side thereof at a point within and near the bottom of said chamber, and an



outlet tube through the top of said chamber, the ends of each tube within the chamber being open and facing in a direction away from the open end of the other tube, the foraminous members comprising two adjacent bowed screens, the center of the upper screen being bowed upwardly, the center of the lower screen being bowed downwardly.

2,458,910
QUICK DISCONNECT COUPLING
Paul P. Johnson, Willoughby, Ohio, assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application May 16, 1945, Serial No. 594,071
2 Claims. (Cl. 284—4)

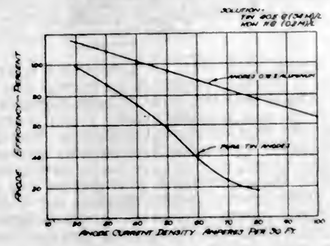


1. A self-sealing detachable coupling comprising a pair of identical ported coupling boxes having chamber-defining walls with flat mating end faces and defining when said faces are mated together a valve-operating chamber, a split plug valve rotatable in said chamber to couple the boxes together and connect the ports of the boxes in fluid flow communication, means retaining a valve segment in each box to close the ports thereof when the boxes are disconnected, a valve segment retained by one box having a mating face with a recess therethrough closed at the ends by the box when the segment is in uncoupled position, a valve segment retained by the other box having a cooperating mating face with a passaged protuberance readily seatable in the closed-ended recess to laterally align the boxes for coupling, said protuberance passage having both ends exposed in the uncoupled position of said other box to drain fluid therefrom and said passage forming a conduit connecting the ports of the boxes when the valve is rotated to couple the boxes.

2,458,911
DEVICE FOR DEPILATORY PURPOSES
Ellen Kerr, Coventry, England
Application July 29, 1947, Serial No. 764,532
In Great Britain August 29, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 29, 1964
3 Claims. (Cl. 128—354)

1. Improvements in devices for depilatory purposes comprising in combination a fixed member forming part of the holder for said device, a rod slidably mounted coaxially in said fixed member, a spring member coaxially mounted on said slidable rod and positioned between the top of the fixed member forming part of the holder and the top of the rod and a member connected to said rod which is adapted to be moved in relation to the fixed member forming the holder to operate the spring to grip the hair for removal.

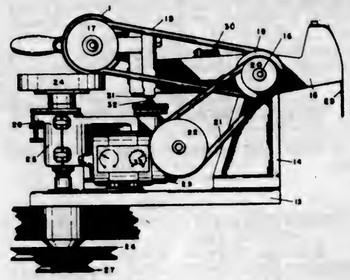
2,458,912
ELECTROPLATING OF TIN
Frederick A. Lowenheim, Plainfield, N. J., assignor to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey
Application April 27, 1944, Serial No. 532,932
8 Claims. (Cl. 204—54)



1. In the process of electroplating tin by passing an electric current from an anode to cathode through an aqueous alkaline stannate bath the step of improving the anode efficiency of the bath which comprises employing an anode consisting essentially of tin alloyed with about 0.1 to 2% of a metal of the class consisting of aluminum, gallium and manganese.

2,458,913
METHOD OF PALLET STONE CUTTING AND POLISHING
Ralph B. Mentzer, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application June 19, 1946, Serial No. 677,642
1 Claim. (Cl. 51—283)

A method of finishing pallet stones of substantially parallelepiped form consisting in mounting a plurality of unfinished stones on radial lines so that the sides of adjacent stones are substantially parallel, cutting all of said stones by engagement with a diamond lap to a predetermined length in a single operation, surface polishing the top and exposed surface of said stones in another single operation, angle cutting the free end of



said stones to a surface conforming to a section of a conical surface, polishing all of said angled cut ends in a single operation, buffing the uppermost outer edge of all of said stones with a resilient diamond lap and polishing the inward end of the top surface of all of said stones to form a lead angle in still another operation.

2,458,914
SLIDER AND METHOD OF CONSTRUCTING THE SAME
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application July 30, 1943, Serial No. 496,706
15 Claims. (Cl. 24—205.16)

1. A slider for fastener devices of the kind defined, said slider comprising a die cast body having spaced walls, an insert of denser, tougher material than said cast body, said insert comprising a frog portion centrally located with respect to the longitudinal axis of said walls with keying portions at each end thereof consisting of raised and depressed parts closely embraced by said cast body walls to form said slider.

2,458,915
MATERIAL HANDLING APPARATUS
George Bruce Palmer, Grosse Isle, Mich.
Application August 31, 1945, Serial No. 613,829
22 Claims. (Cl. 214—93)

1. In a material handling apparatus, an upright supporting frame, a plurality of arms adapted to extend outwardly from the frame, means shiftable on the frame for hingedly mounting said arms to swing about horizontal and vertical axes, a scraper for each arm, means for raising and lowering the inner ends of the arms to move the outer ends thereof toward and

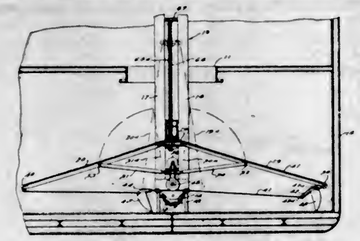
from the frame, means for swinging the arms

section, closure plates for the adjacent open ends

keystone shaped in cross-section in contact with the core and an outer portion of reduced width

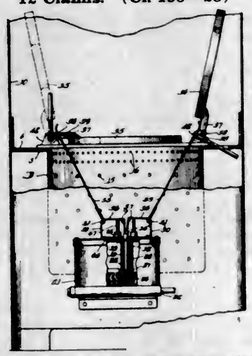
effecting relative rotation of the axes of the magnetic fields produced by said stator and rotor windings, and mechanical driving means inter-

from the frame, means for swinging the arms horizontally, and means associated with the arms



for shifting the scrapers toward and from the frame.

2,458,916
COMBINED BAFFLE AND OIL SUPPLY MEANS FOR OIL BURNERS
Gustave C. Peter, Wauwatosa, Wis.
Application November 29, 1946, Serial No. 712,814
12 Claims. (Cl. 158—28)



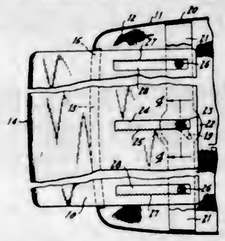
1. For an oil burner having a vaporizing chamber open at its upper end, a combined baffle and oil supply means, said means comprising a baffle plate mounted adjacent said opening and adapted to swing down from a relatively vertical position at one side of said opening to a position partially closing the same to regulate the flow of vapor from said burner, an operating rod in connection with said baffle plate, a valve for regulating the supply of fuel to the burner, reciprocable operating means for said valve, a bell crank lever pivoted intermediate its ends adjacent said valve and having one arm proximate to the operating rod for the baffle plate and the other arm engageable with the valve operating means, and a cam device on the operating rod engageable with one arm of the lever when the former is rotated to swing its associated baffle plate to down position, whereby it engages said arm to rock the bell crank and actuate the valve operating means toward its closed position.

2,458,917
MANNIKIN ADJUSTMENT DEVICE
Julius Prisco, Yonkers, N. Y.
Application October 19, 1946, Serial No. 704,516
3 Claims. (Cl. 223—68)

1. In a display form conforming to the general contours of the human figure and comprising a hollow upper section and a separate hollow lower section, closure plates for the adjacent open ends of the sections, a ball and socket joint carried by the closure plate of the lower section, a level adjusting post projecting toward the upper section from the ball of said joint, a collar affixed to the closure plate of the upper section in axial

alignment with the post and slidable therealong, said post being provided with a plurality of spaced lateral grooves and a common vertical groove feeding into said lateral grooves, and said collar being provided with a locking pin adapted to slide along the common groove into a desired one of said lateral grooves.

2,458,918
SUN VISOR
Thomas Rea, Detroit, Mich.
Application June 5, 1947, Serial No. 752,789
1 Claim. (Cl. 296—95)



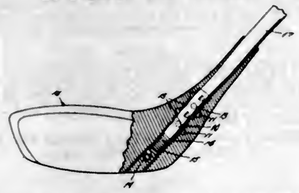
In combination with an automobile body, including a windshield and a horizontal slot in a recess above said windshield, both the slot and the recess being substantially co-extensive in length with that of the windshield, a visor slideably mounted under the roof of said automobile body and having its front portion disposed within said slot, the visor being provided in the mid-section thereof with a slot extending in the direction of the longitudinal axis of the automobile body and a similar slot parallel to the first named slot, in each side of the visor, a side of each slot being cut to form a rack, a pinion meshed into each rack, and crank means to rotate the pinion in the slot in the mid-portion of the visor to propel the visor outwardly or to retract it rearwardly, and a bead along the outer edge of the visor to fit into said recess when the visor is in its retracted position.

2,458,919
BASEBALL BAT
John E. Marsden, Philadelphia, Pa.
Application May 21, 1946, Serial No. 671,131
4 Claims. (Cl. 273—72)

1. As a new article of manufacture, a baseball bat having an axially extending core, a circular series of longitudinal wooden segments with the grain of the wood being generally radial throughout, each of said segments having an inner portion

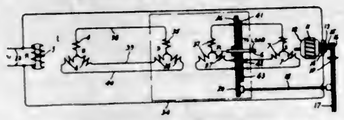
keystone shaped in cross-section in contact with the core and an outer portion of reduced width extending radially of said keystone portion to form shoulders, a plurality of wedge shaped segments each interposed between consecutive said outer portions and seated upon said shoulders, said core and all of said segments being adhesively united together.

2,458,920
GOLF CLUB
Ralph F. Wheeler, Springfield, and Emil J. Marciniak, Easthampton, Mass., assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application June 27, 1946, Serial No. 679,772
13 Claims. (Cl. 273—80)



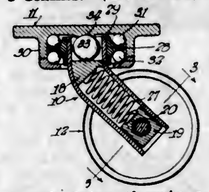
1. In a molded plastic article to be secured to a shaft to withstand high torque, means for connecting said shaft to said article comprising a metal sleeve secured to said shaft; a plurality of opposed laterally projecting fins lanced outward from the wall of the sleeve with an aperture in the wall at the base of each fin, said fins lying in longitudinal rows on the sleeve and extending in substantially radial direction therefrom, said fins being embedded in the plastic material of said article, and said plastic material extending into said apertures at least to the interior surface of the sleeve.

2,458,921
ANGULAR MOTION TRANSMITTING APPARATUS
Arthur P. Adamson, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Original application August 1, 1946, Serial No. 687,550. Divided and this application March 27, 1948, Serial No. 17,453
4 Claims. (Cl. 318—24)



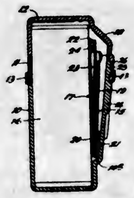
3. An electromotive device comprising a stator member having a winding thereon, a cooperating rotor member having a winding thereon connected to a commutator, a first pair of diametrically opposite brushes engaging said commutator for conducting current to said rotor winding, a second pair of diametrically opposite short-circuited brushes engaging said commutator, said second pair of brushes being spaced from said first pair of brushes around the periphery of said commutator, means comprising a rotatable member for effecting relative rotation of the axes of the magnetic fields produced by said stator and rotor windings, and mechanical driving means interconnecting said rotor and rotatable members.

2,458,922
CASTER
Herman P. Andresen, Chicago, Ill.; Ella Veil Andresen, executrix of said Herman P. Andresen, deceased, assignor of one-fourth to Ella Veil Andresen, one-fourth to Amanda M. C. Andresen, one-fourth to Edward W. H. Andresen, and one-fourth to Elsa C. M. Dettmer, as tenants in common
Application September 27, 1944, Serial No. 555,906
5 Claims. (Cl. 16—44)



1. A caster embodying therein a top plate, a post having a vertical upper end and an angularly disposed tubular lower end, means providing a swivel connection for the upper end of said post with said plate, a member arranged in the lower end of the post for a limited guided movement longitudinally thereof, laterally extending axle portions movable with said member, a wheel journalled on each axle portion, and means in said lower end of the post for cushioning the limited movement of said member under the action of shock imposed upon the caster.

2,458,923
CIGARETTE AND MATCH CASE
Howard L. Auten, Glen Ellyn, Ill.
Application October 3, 1945, Serial No. 619,941
5 Claims. (Cl. 206—38)



1. A cigarette case comprising a container generally oblong in cross section, and a closure therefor, said container and closure having their walls extended on one side to form a blister compartment adapted to receive a folded packet of matches, and a bar carried by said closure and extending across said blister compartment and adapted to extend under the fold of said match packet.

2,458,924
GOLF CLUB CARRIER
Ridgway Baker, Minneapolis, Minn.
Application June 26, 1946, Serial No. 679,403
9 Claims. (Cl. 280—36)

1. A golf club carrier comprising an upper ring member, a cup-like base member, a pair of rigid supporting bars extending between the ring mem-

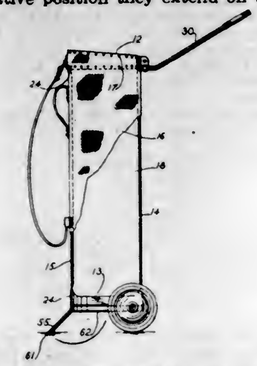
ber and the base member to form said members

tem, said optical system projecting a light image

justably mounted on the first electrode to rigidly support the element at an adjusted position with

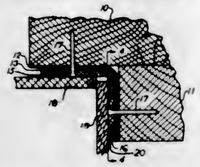
at one end an integral horizontal flat stub portion below the top face of said block center, said

ber and the base member to form said members into a rigid frame, a pair of axle sections pivotally secured to the lower surface of the base member wholly within the confines of the base member and adapted for rotation in a plane parallel with the base member in such a manner that when in a folded position they rest flat against the lower surface of the base member and when in an operative position they extend on either side



of the base member, and an open topped pan hingedly connected to the base member for enclosing said axle sections when the same are in a folded position, said pan having notches in its side walls to receive the axle sections when the same are in an operative position whereby the pan is operative to lock the axle sections against rotative movement when the same are in an operative position.

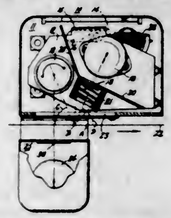
2,458,925
CORNER JOINT FOR WALLBOARDS
Cecil K. Barger, Statesville, N. C.
Application October 10, 1944, Serial No. 557,979
2 Claims. (Cl. 20—92)



1. Corner construction for interior wall coverings of a room in a building comprising an angular member secured to the framing members of the building and in the corner of a room, strips of material secured to the legs of the angular member and wall boards secured to the exposed surfaces of the strips, the adjoining edges of the wall board members being overlapped.

2,458,926
WEB SCANNING DEVICE
Merton O. Bassett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 12, 1948, Serial No. 14,433
5 Claims. (Cl. 250—41.5)

1. In a photoelectric device for scanning a moving web, a pivotal support having mounted thereon a photoelectric tube and an optical system, said optical system projecting a light image on said web and comprising a light source and focusing means between said light source and said web, and means for moving said pivotal support between two predetermined positions to shift



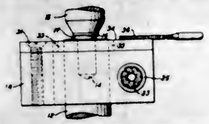
said light image on said web, said positions being such that said photoelectric tube receives diffusely reflected light in one said position and specularly reflected light in the other said position.

2,458,927
ELECTRICAL SWITCH DEVICE
Robert F. Beck, Paterson, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application November 6, 1944, Serial No. 562,243
4 Claims. (Cl. 200—164)

1. In a switch construction, a base having opposed walls with their confronting faces formed with elongated slots open at one end and closed at the other end, a movable contact operating arm having a portion provided with angularly related pairs of flat faces disposed in said base, said portion being provided with laterally extending trunnions seated in said slots at said other end to permit rotation of said arm from one position to another, a face plate secured to said base and closing the open ends of said slots, said face plate being provided with a slot receiving said arm for operation therethrough and integrally formed with resilient fingers engaging one pair of said flat faces to restrain said arm in one of said positions and for engaging another pair of said flat faces to restrain said arm in the other position when said arm is so operated, said fingers cooperating with said portion to maintain said trunnions seated in said elongated slots and thus permit rotation of said arm.

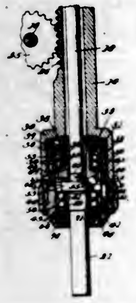
2,458,928
WELDING FIXTURE
Percy E. Brooks, Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 6, 1946, Serial No. 660,026
3 Claims. (Cl. 219—4)

1. A fixture for a welding machine having relatively movable first and second electrodes with work engaging surfaces initially lying in parallel planes, the fixture comprising a wear-resisting element surrounding the first electrode and having a guide surface, an insulating member adjustably mounted on the first electrode to rigidly support the element at an adjusted position with its guide surface short of the work engaging surface of the first electrode a distance equal to the portion of the first electrode to be removed whereby the element may guide an abrasive tool



in a plane parallel with the initial work engaging surface, and an abrasive tool movable over the guide surface to remove the said portion of the electrode and produce a new work engaging surface for the electrode lying in the plane of the guide surface of the element.

2,458,929
CHIP BREAKING MECHANISM FOR METAL DRILLING AND LIKE MACHINES
Carleton B. Clark, Keene, N. H., assignor to Kingsbury Machine Tool Corporation, Keene, N. H., a corporation of New Hampshire
Application December 28, 1943, Serial No. 515,942
10 Claims. (Cl. 77—5)

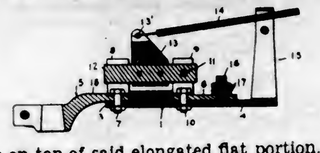


1. In metal drilling and like machines, a frame, a support movable on said frame and means so to move the same, a drill spindle rotatable in said support about an axis substantially parallel to such movement, a sleeve embracing the spindle axis and rockable to angular positions relative to said spindle axis, bearing means on said movable support for supporting the sleeve for rotation about its own prevailing axis, and an axial-thrust-transmitting driving element eccentrically mounted on said spindle and engaged with said sleeve, said element being effective to cause the spindle to drive said sleeve in rotation and also being effective to transmit thrusts between the spindle and sleeve, whereby to produce axial motion of the spindle compounded of the support and a cyclic movement caused by the angular position of the sleeve axis relative to the spindle axis.

2,458,930
MASTER SAFETY SWITCH
Fred Franklin Crooke, Jefferson City, Tenn.
Application April 17, 1947, Serial No. 742,023
1 Claim. (Cl. 200—52)

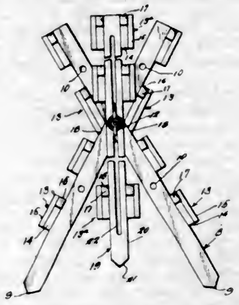
In a master safety switch, the combination of a horizontal plate-like switch base formed of insulating material and comprising a broad upstanding block center, said block center having

at one end an integral horizontal flat stub portion below the top face of said block center, said block center having at another end an integral horizontal elongated flat portion below the top face of said block center, a horizontal elongated terminal member curved vertically throughout part of its length and having its inner end resting flat on said stub portion, said terminal member having its inner end bearing against a side portion of said block center, detachable means fastening said terminal member and said stub portion together, a horizontal supplemental plate



resting on top of said elongated flat portion, fastening means detachably connecting said supplemental plate and elongated portion together, a terminal bolt extending through said supplemental plate, said terminal bolt having its inner end resting against the top face of said elongated portion, nuts on said terminal bolt above said supplemental plate, a contact jaw mounted on said terminal plate, a contact jaw mounted on said terminal member, and a switch blade pivotally mounted on one of said jaws and being adapted to engage the other jaw, substantially as shown and described.

2,458,931
CONVERTIBLE KNOCKDOWN GARDEN TRELLIS
Clarence A. Conklin, Northport, N. Y.
Application February 20, 1945, Serial No. 578,804
1 Claim. (Cl. 47—44)



A plant supporting trestle comprising in combination, a pair of upright end frames disposed in spaced parallel relation and each comprising a pair of crossed legs pivotally connected together at the intersection thereof, a plurality of blocks secured to the outer edge surfaces of said legs, said blocks being formed in the upper edge portions thereof with notches, said notches coacting with the adjacent surfaces of said legs to form keeper seats, and a plurality of stringers positioned in said seats and connecting said end frames together, a pair of said blocks on each frame being disposed adjacent the intersection of said legs and being provided at the lower edges thereof with undercut, bevel surfaces, one of said undercut blocks being provided on each of

said legs and the bevel surface thereof being en-

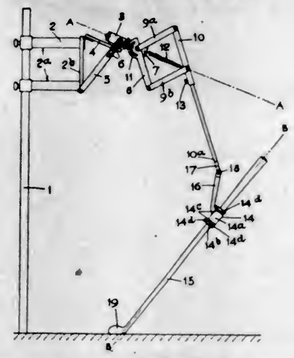
viding communication between said discharge and

ously seatable in the resulting registrable four

ent of the signal magnitude, the set of output

said legs and the bevel surface thereof being engageable with the outer edge surface of the adjacent leg, whereby said legs may be prevented from excessive spreading.

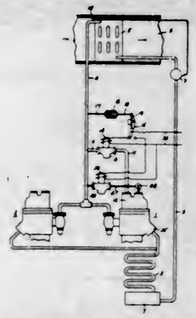
2,458,932
GOLF PRACTICING AND TEACHING APPARATUS
Rufus Frank Cottingham, Scunthorpe, England
Application January 18, 1946, Serial No. 641,885
In Great Britain August 22, 1945
1 Claim. (Cl. 273—35)



A device of the class specified comprising a supporting post adapted to be erected on the ground, a height-adjustable bracket on said post, a platform mounted on said bracket for adjustment of the angle of inclination of the platform toward the ground, a journal bearing on said platform, a stub shaft freely rotatably mounted in said journal bearing, an articulated parallel linkage of frame form attached to said shaft so as to rotate therewith and incorporating one limb constituting a control rod which extends beyond the linkage frame and one other limb which is directly swingable on said shaft, clamp means for setting said swingably adjustable limb of the frame in a fixed position relatively to said shaft, spring means associated with said linkage frame and tending always to pull said control rod toward the swingably adjustable limb of the frame, a control arm swivelly and pivotally jointed to said control rod, and club carrier means mounted on said control arm and including a freely revoluble sleeve adapted to receive and grip the shaft of a golf club, adjustment of the articulated parallel linkage in relation to said shaft setting the control rod in such a position as to dispose the club shaft for arcuate swinging in a desired plane of inclination in relation to the vertical.

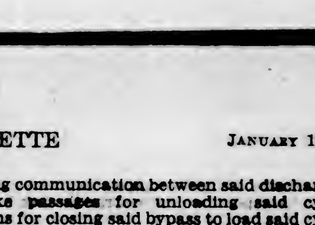
2,458,933
UNLOADER FOR RECIPROCATING GAS COMPRESSORS
Wayne E. Dodson, Caldwell, N. J., assignor to General Electric Company, a corporation of New York
Application December 18, 1946, Serial No. 717,002
5 Claims. (Cl. 230—22)

1. A reciprocating gas compressor comprising a cylinder having intake and discharge valves, means providing intake and discharge passages adjacent said intake and discharge valves respectively, an outlet connection communicating with said discharge passage, bypass means providing communication between said discharge and intake passages for unloading said cylinder, means for closing said bypass to load said cylinder, a check valve for preventing return of gas through



said outlet connection to said discharge passage upon opening of said bypass, and means rendered effective upon the loading of said cylinder for retaining said check valve in its open position to prevent vibration of said check valve.

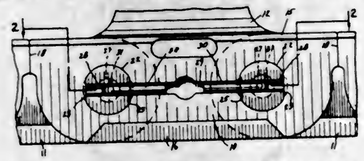
2,458,934
METHOD OF FORMING PRECISION BORE GLASS TUBING
Samuel James Everett, Thornton Heath, England, assignor to James A. Jobling & Co. Ltd., Sunderland, England, a British company
Original application November 22, 1941, Serial No. 420,121. Divided and this application December 28, 1945, Serial No. 637,572. In Great Britain February 8, 1941
6 Claims. (Cl. 49—84)



1. A method for providing a pre-formed thermoplastic tube with a fine quality internal surface comprising the steps of moving the tube over and in engagement with a surface having the dimensions of the desired internal dimensions of said tube, heating the tube in the vicinity of its engagement with said surface, and controlling the speed of movement of the tube so that the movement in the direction away from said surface is greater than that toward said surface.

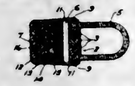
2,458,935
STRADDLE LINK CONNECTOR
Charles J. Forbes, Terre Haute, Ind.
Application August 22, 1947, Serial No. 770,079
11 Claims. (Cl. 74—254)

1. In a cutting chain structure of the cutter supporting straddle link type the combination of a pair of channel sectioned links having adjacent ends lapping, the straddle link nesting the connecting link of said pair of links, the lapping ends having registrable holes, a barrel simultaneously seatable in the resulting registrable four holes, a plate portion of the straddle link having a flat face provided in its barrel accommodating hole, the barrel being substantially cylindrical with a central bore therethrough and enlarged at one end, a rivet in the bore and having a head portion seated in the bore enlargement, the opposite end of the barrel having a transverse slot



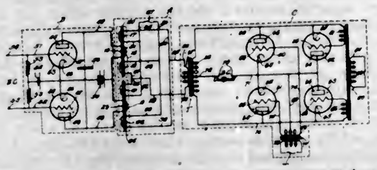
and shouldered to an appropriate depth and conform substantially to the flat face of the straddle link hole, the plate portion having an exterior longitudinally disposed groove, the rivet having an elongated end portion projecting initially beyond the barrel and finally disposed laterally thereof for simultaneous seating in the barrel slot and straddle link groove for retaining the assemblage together against axial separation.

2,458,936
LOOP PICKER
Clarence M. Fuller, Warwick, R. I., assignor to Holbrook Raw Hide Co., Providence, R. I., a corporation of Rhode Island
Application October 9, 1947, Serial No. 778,875
9 Claims. (Cl. 139—159)



1. A loop-picker comprising a multi-part core consisting in a hard block of animal hide shaped to contact the face of a picker-stick, a loop fastened to said block and extending rearwardly therefrom to attach it to the picker-stick, a plurality of inserts consisting in strips of alternate hard and soft material extending transversely of the core forwardly of the block, and a box-like cap of animal hide enclosing the front and four sides of the core with the inserts contained therein in full floating arrangement.

2,458,937
ELECTRICAL CONTROL CIRCUIT
Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1945, Serial No. 593,738
27 Claims. (Cl. 175—363)

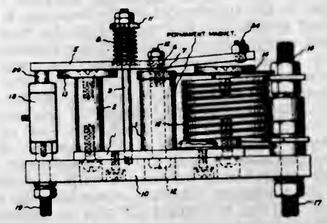


1. An electrical control circuit comprising a signal input circuit having two sets of output terminals and operable with a signal of any magnitude present to produce at one or the other only of the sets of terminals a direct current of constant magnitude larger than zero and independent of the signal magnitude, the set of output terminals at which current is produced being determined by the sign of the input signal, a saturable reactor circuit comprising a pair of saturable reactors each having an A. C. coil and a control coil, said control coils being connected one to each set of output terminals of said input circuit, and an A. C. supply circuit for an A. C. load, the A. C. coils of said reactors being connected in the supply circuit, and a rectifier circuit, connected to form the load for said supply circuit, including a pair of parallelly connected, alternately operating rectifiers and output terminals for the connection of a D. C. load thereto.

2,458,938
AUTOMATIC KEY CASE
Sydney Greenhow, Windsor, Ontario, Canada
Application May 10, 1946, Serial No. 668,938
3 Claims. (Cl. 70—456)

1. A holder of the kind described, comprising a double loop like frame having entrance and release gaps to and from the loops thereof, a web dividing the loops of the frame and having closure terminals for the gaps, and outwardly bowed flexible panels connected to the frame for encasing the latter and giving access thereto when external pressure is applied thereto.

2,458,939
CONTROL DEVICE
Chester I. Hall, Vischers Ferry, N. Y., assignor to General Electric Company, a corporation of New York
Application June 13, 1944, Serial No. 540,049
2 Claims. (Cl. 200—93)



1. Reverse current responsive control means comprising a three-legged magnet core, the middle one of said legs being provided with means for producing a predetermined polarizing magnetic flux in said magnet core, an armature mounted in magnetic flux conducting relation with said middle leg and for pivotal movement to an attracted position with one or the other of the two outside legs, spring means having a low force gradient biasing said armature to a first attracted position with a first of said outer legs, a coil on only the second of said outer legs, electric connections for normally energizing said

coil with a direct current in a direction to produce a magnetic flux in the same direction as said polarizing flux in said first outer leg and

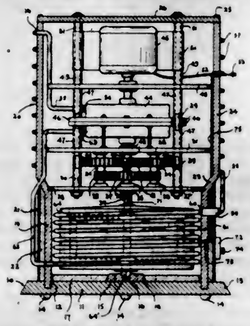
outer ends and semi-circular springs which are in inclined interleaved relation to each other con-

2,458,943
SAFETY ATTACHMENT
Isaac D. Houseman, Cleveland, Ohio

R''' and R'''' are mono-valent hydrocarbon radicals which are attached to silicon through carbon-silicon linkages and where the remaining

coil with a direct current in a direction to produce a magnetic flux in the same direction as said polarizing flux in said first outer leg and opposite to said polarizing flux in said second outer leg thereby normally to hold said armature in said first attracted position with the aid of said spring means, said coil when energized in the opposite direction reversal of current producing a magnetic flux in opposition to said polarizing flux in said first outer leg and in the same direction as said polarizing flux in said second outer leg thereby in response to a predetermined reverse current in said coil to move said armature with a snap action against its bias to its attracted position with said second outer leg, and electric circuit control means operated by said armature.

2,458,940
REFRIGERATING DEVICE FOR THE MANUFACTURE OF FROZEN COMESTIBLES
Reginald F. Harless, Ossining, N. Y.
Application June 16, 1945, Serial No. 600,153
5 Claims. (Cl. 62—114)



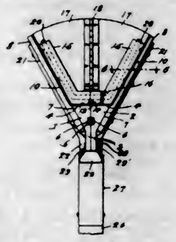
1. A freezing unit comprising a housing of substantially cylindrical form, a base having a groove to receive the lower end of the housing, a motor, a compressor, and a speed reduction gearing driven by the shaft of the compressor, said motor, compressor and speed reduction gearing being mounted in the upper end of the housing, a food container adapted to be centered on the base and enclosed within the lower end of the housing, an agitator rotatably mounted within the container and adapted to be loosely connected with the speed reduction gearing to be driven thereby, cooling coils surrounding the exterior of the housing and connected with the discharge end of the compressor, freezing coils on the interior of the housing and surrounding the food container, said freezing coils being connected with the intake side of the compressor, a pipe connecting the cooling coils and the freezing coils and an expansion valve in said pipe.

2,458,941
SPRING WHEEL
Henry Levene Harris, Richland, Wash.
Application July 22, 1946, Serial No. 685,507
5 Claims. (Cl. 152—84)

1. A device of the character described, comprising a rim adapted to support a vehicle tire, blocks secured to the outer side of said rim, blocks secured to the inner side of said rim intermediate the blocks secured to the outer side thereof, a hub having conical shaped inner and outer ends and semi-circular springs which are in inclined interlaced relation to each other con-

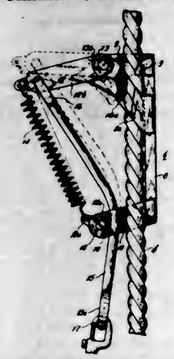
necting said blocks and said hub to form a spring wheel.

2,458,942
COLLAPSIBLE HOD
Tyris M. Hevener, Los Angeles, Calif.
Application September 4, 1945, Serial No. 614,241
1 Claim. (Cl. 72—134)



A hod including hingedly connected bottom strips, wedge-shaped in cross section, normally contacting along their inner faces along a line drawn longitudinally through the center of the hod, and normally diverging upwardly along their outer sides, the upper faces thereof normally meeting along said center line whereby to form a flat bottom, there being opposed grooves formed in the inner faces and spaced from the upper faces, a sealing means mounted in one of the grooves and proportioned to be received in the opposite groove, depending flanges on the strips extending the length thereof and proportioned to normally engage each other along said center line, a shoulder rest hinged to one of the flanges, a catch means hinged to the shoulder rest, for locking engagement with the hinge, whereby to provide a preliminary lock for the bottom strips, side boards secured to the outer sides of the strips, reinforcing frames respectively connected to the inner sides of the respective side boards, and to the upper faces of the bottom strips, stop flanges at one end of the reinforcing frames, hingedly connected segmental end sections, constituting an end board, sealably engageable by the stop flanges, hinge connections between the respective end sections and side boards, jaws fixedly connected to the respective side boards and proportioned to lockingly embrace the depending flanges, stem sections rigid with the jaws and engageable with each other to form a sectional stem, a handle, and means carried by the handle adapted to removably connect the handle to the stem.

2,458,943
SAFETY ATTACHMENT
Isaac D. Houseman, Cleveland, Ohio
Application September 10, 1947, Serial No. 773,141
3 Claims. (Cl. 188—65.2)

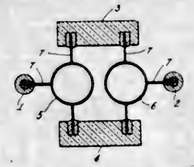


2. In safety means for a workman while working on a scaffold, the combination with a safety line, of a mechanism arranged to be adjustably clamped to the safety line, said mechanism consisting of a vertically disposed bar provided with upper and lower alined pairs of laterally extending arms through which the safety line extends, a lever fulcrumed on and between said upper pair of arms, clamping elements carried by said bar and the inner arm of said lever in opposed relation and arranged to engage and disengage said safety line, a spring connected to the outer arm of said lever and arranged to swing said lever in a direction to effect engagement of said clamping elements with said safety line under pressure, whereby said mechanism is adjustably fixed to and supported by said line, an operating rod pivotally connected to the outer arm of said lever and extending therefrom through said lower pair of arms and adapted to be connected to the workman, said rod when moved in a direction in opposition to the tension of said spring serving to disengage the clamping elements from said safety line and when moved in the opposite direction due to the weight of the workman in falling serving to effect a rigid clamping engagement of said clamping elements with said safety line, whereby the workman is held in a suspended position on said safety line, and a device supported at its opposite ends in the outer ends of said lower pair of arms and cooperating with the latter to guide said rod when it is moved in either direction.

2,458,944
ORGANO-SILOXANES AND METHOD OF MAKING THEM
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application March 20, 1944, Serial No. 527,349
6 Claims. (Cl. 260—46.5)

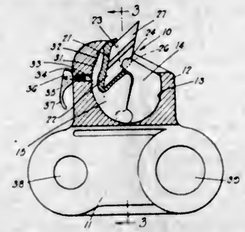
1. An organo-siloxane consisting essentially of oxygen atoms and units which correspond substantially to the general formulae $=Si=$, $RR'Si=$ and $R''R'''R''''Si-$, respectively, said units being the only silicon units present in said siloxane and being joined to each other by said oxygen atoms through silicon-oxygen linkages, where R, R', R'', R''' and R'''' are mono-valent hydrocarbon radicals which are attached to silicon through carbon-silicon linkages and where the remaining valences of the silicon atoms are satisfied by said silicon-oxygen linkages.

2,458,945
ELECTRIC DISCHARGE TUBE COMPRISING ELECTRODES SECURED TO RODS
Johannes Cornelis Janssen, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application January 15, 1946, Serial No. 641,302
In the Netherlands March 18, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 18, 1962
7 Claims. (Cl. 250—27.5)



1. An electric discharge tube comprising an envelope, a member substantially fixed in space relation thereto and having a tubular portion within said envelope, said portion being provided with a longitudinal cavity extending substantially along the entire length of said member and having an opening communicating with the space within said cavity, a hard filling material in said cavity, a supporting member having a portion thereof extending transversely into said cavity through said opening and affixed in said material, and a tube element supported by said supporting member.

2,458,946
BIT HOLDER FOR COAL-CUTTING CHAINS
Edwin F. Johnston, Earlington, Ky.
Application August 28, 1945, Serial No. 613,110
4 Claims. (Cl. 262—33)



1. A chain link having an outwardly projecting block provided with a substantially cylindrical recess, a pair of lugs which combined have their surfaces conforming to the walls of the said recess and adapted to hold a bit, one of the lugs provided with a pocket shaped to conform to the contour of a substantial portion of the bit, said lugs having slip hinge connections at their lower ends, the other lug having a protruding upper edge provided with a socket into which an edge of the bit is adapted to project and whereby the said bit is locked within its seat, means whereby the lugs may be held against

movement, a ratchet formed on the outer wall of one of the lugs and a spring controlled dog adapted to engage the ratchet teeth and forming

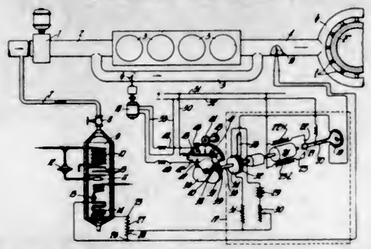
ternal end of said bushing may be sealed, said locking member being resilient and positioned relative to said bushing fuse, passageway and

2,458,951
DRILL BIT LOOSENER
Samuel H. Malinak, Butte, Mont.

in shape, one of said second mentioned sections joining the front of the first mentioned section and forming the outside of the boot, the other of said second mentioned sections joining the rear

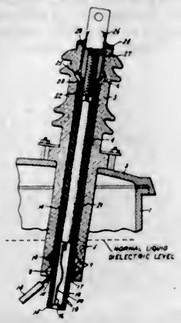
movement, a ratchet formed on the outer wall of one of the lugs, and a spring controlled dog adapted to engage the ratchet teeth and forming said locking means, and means for holding the dog from engagement with the ratchet teeth.

2,458,947
METHOD AND MEANS FOR IMPROVING BLAST FURNACE OPERATIONS
Clarence D. King, Pittsburgh, Pa., and Peer D. Nielsen, Lorain, Ohio, assignors to United States Steel Corporation of Delaware, a corporation of Delaware
Application June 22, 1943, Serial No. 491,822
11 Claims. (Cl. 236—44)



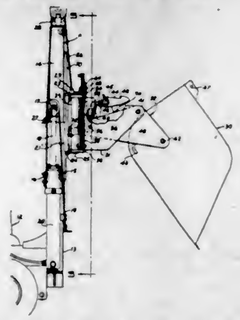
1. In the operation of a blast furnace, the method which comprises automatically and continuously varying the temperature of the hot air blast supplied to the furnace in accordance with variations in the humidity of the cold air supply.

2,458,948
PROTECTIVE DEVICE
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application March 21, 1945, Serial No. 583,960
8 Claims. (Cl. 200—133)



1. In combination, an electrical device including a high voltage bushing, a passageway in said bushing, an annular recess in said bushing adjoining said passageway, a renewable bushing fuse having a terminal adapted to be inserted in said passageway, a locking member insertable in said passageway having an opening therein through which said terminal extends, and means adapted to threadedly engage said terminal for forcing said locking member into said recess to hold said fuse immovable in said passageway whereby the end of said passageway at the external end of said bushing may be sealed, said locking member being resilient and positioned relative to said bushing fuse, passageway and recess for release therefrom upon disengagement of said means from said terminal.

2,458,949
LOAD CARRIER MOUNTING
Le Grand H. Lull, Minneapolis, Minn.
Application November 9, 1945, Serial No. 627,694
25 Claims. (Cl. 214—113)



1. In a loader having an upright guide surface and a carrier frame movable upwardly and downwardly with respect thereto, a first frame rigidly supported by said carrier frame, a second frame tiltably supported on said first frame for downward swinging movements at one end, a tubular cross member on said second frame, means carried by said cross member for engagement by said guide surface as the frames move upwardly and operative thereby to tilt said second frame, and a load carrier operatively connected to and tiltable with said second frame.

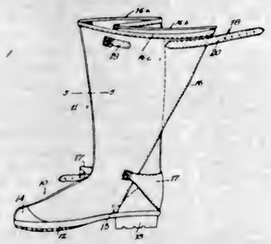
2,458,950
CHILD'S NURSING STAND
Rodolfo Luzardo, Chacao, Venezuela
Application September 11, 1945, Serial No. 615,589
9 Claims. (Cl. 128—1)

9. A child's nursing stand comprising a pedestal, a rigid arm attached to the pedestal and extending outwardly therefrom, a platform supported by said arm, the latter comprising two sections, substantially horizontal means for pivotally connecting the sections so that the platform can be raised and lowered about said means as an axis, and means for securing the sections of said arm in adjusted position.

2,458,951
DRILL BIT LOOSENER
Samuel H. Malinak, Butte, Mont.
Application December 12, 1945, Serial No. 634,610
4 Claims. (Cl. 29—243)

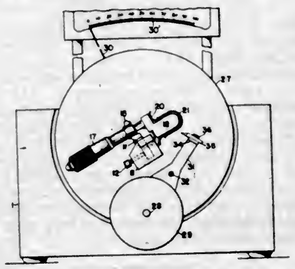
1. A device for removing a drill bit comprising a foundation, a body mounted upon said foundation and having a base and a web extending upwardly from the base and a head extending along the top of the web and projecting transversely therefrom, said head being formed intermediate its length with a transversely extending slot and at one side of the web being formed with recesses leading from the slot longitudinally of the head, jaws disposed vertically against the web with upper portions in the recesses, a strip extending between said jaws and across outer side faces thereof, bolts passing through end portions of said strip and through openings in the jaws and through the web, the bolt receiving opening of the movable jaw being elongated transversely thereof to permit movement of the movable jaw toward and away from the stationary jaw, a rocker bar pivotally mounted upon the bolt passing through the movable jaw at the opposite side of the web from the movable jaw, said rocker bar extending longitudinally of said body and having a front end portion bent to form a stem projecting laterally from the body, a block pivotally mounted upon said stem and extending upwardly therefrom and formed with a recess extending transversely thereof and with a tongue extending laterally from the block flush with the bottom of the recess, a spring engaging the rear end of the rocker bar for tilting the rocker bar about its pivot and urging the forward end of the rocker bar and the block upwardly, and means for moving the movable jaw toward the stationary jaw to grip a drill disposed between the jaw and through the slot of the body and hold the drill firmly in place with a bit of the drill extending through the recess of said block.

2,458,952
LEGGING BOOT
Assad M. Maliuk, New York, N. Y.
Application April 6, 1945, Serial No. 586,923
1 Claim. (Cl. 36—4)



An article of footwear in the form of a boot comprising a sole member and a legging member attached thereto, said legging being made of substantially three sections, each of said sections extending from the sole of the boot to the top thereof, one of said sections forming the inner side of a foot and leg portion of said boot and being substantially rectangular in shape, the other two sections being substantially triangular in shape, one of said second mentioned sections joining the front of the first mentioned section and forming the outside of the boot, the other of said second mentioned sections joining the rear of the first mentioned section and forming the counter of the boot, the other edges of said second mentioned sections being joined together at approximately the beginning of the heel adjacent the sole at the outside thereof, said second mentioned sections forming a portion with the upper ends thereof when partially wrapped projecting outwardly to the rear of the heel portion of the sole member and being adapted to be wrapped about the leg in the closed position to form a legging.

2,458,953
APPARATUS AND METHOD FOR DETERMINING THE SCUFF RESISTANCE OF LEATHER
Charles W. Mann, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of Agriculture
Application February 24, 1947, Serial No. 730,578
10 Claims. (Cl. 73—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for determining the scuff resistance of material such as leather, comprising a scuffing-tool support means including a pendulum, means for fastening the scuffing tool to the pendulum; specimen-holder means for the material being tested, which holder is mounted for independent rotation about an axis parallel to that of the pendulum, the specimen-holder means including a work arm carrying a specimen support, means for fastening the material on the specimen support, and means for moving the specimen support transversely to the axis of rotation of the specimen holder to adjust the radial distance between the surface of the material and the axis of rotation of the scuffing-tool support and to pre-set the radial overlap between the surface of the material and the cutting edge of the scuffing tool; means for turning the specimen holder through an arc; and means for indicating the displacement of the pendulum as the cutting tool scuffs through the material.

2,458,954
AUTOMATIC CONTROL SYSTEM FOR ELECTRIC CIRCUITS
Nemesio Márquez, Buenos Aires, Argentina, assignor to Francisco Ardila Cárdenas, Rio de Janeiro, Brazil
Application November 6, 1945, Serial No. 627,029
In Argentina February 23, 1945
12 Claims. (Cl. 175—294)

6. Automatic control device for electric circuits for the operation, security and protection of elec-

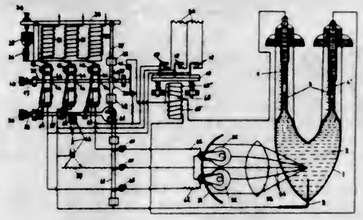
tric motors and all kinds of electrically-operated apparatus and appliances, comprising a load circuit, a spring-loaded interruptor in said circuit,

of the sections of the said second sheet matching and underlying two of the sections of the said first sheet, the portions of the cover underlying

2,458,957
TEMPERATURE COMPENSATOR FOR ELECTRICAL REGULATORS
William G. Neild, Warren Point, N. J., assignor

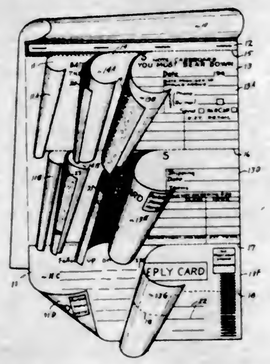
prising a ring gear formed with a series of oblique ports extending inwardly from the periphery thereof to the spaces between adjacent teeth, each such port having a wall which constitutes a

tric motors and all kinds of electrically-operated apparatus and appliances, comprising a load circuit, a spring-loaded interruptor in said circuit, an electro-magnet having two coils with opposite windings for normally maintaining said interruptor in its circuit-closing position, a mechanically operated interruptor in said circuit, a slidable bar for operating this last-mentioned interruptor and means provided on this bar for imparting a sliding movement thereto, electro-magnetic means included in said circuit and adapted to act upon a spring-loaded lever and operatively connected to said slidable bar for operating said mechanically



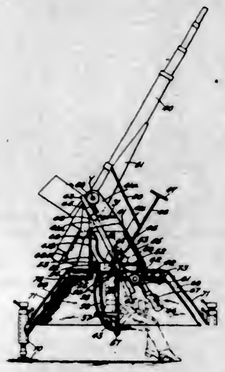
operated interruptor in case of phase failure in said circuit, bimetallic members included in said circuit and adapted to act upon said slidable bar for operating said mechanically operated interruptor in case of excess current in said circuit, a temperature-responsive switch device having two adjustable contact elements each connected with one of the two coils of said electro-magnet for causing said spring-loaded interruptor to become operative under the action of its spring in both cases of excess voltage and of under voltage in said circuit, and electric heat-generating means included in this circuit for operating said temperature-responsive switch device.

2,458,955
SPECIAL ORDER FORM
Jack Moss, Youngstown, Ohio
Application December 20, 1944, Serial No. 569,045
2 Claims. (Cl. 282—23)



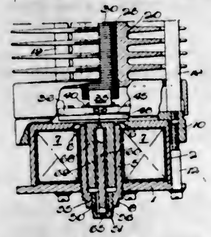
2. A special order form comprising a cover having at least two printed sheets positioned therein, the first of the said printed sheets divided into several sections, and the second of the said sheets divided into several sections, at least two of the sections of the said second sheet matching and underlying two of the sections of the said first sheet, the portions of the cover underlying the said printed sheets being divided into several sections at least two of which match and underlie the said printed sheets, carbons interposed between the said printed sheets, the said first sheet having one of the said sections including a form for entering the customer's order, another section including a form for the department manager's order, and another section including a combined business reply card and address stub, the said second sheet including a form for duplicates of the customer's order and the department manager's order, the said cover underlying the said printed sheets having forms of which correspond with the sections of the said second sheet and an additional section which comprises a follow-up post card.

2,458,956
GUN MOUNTING
Lewis Motley, London, England
Application July 16, 1943, Serial No. 494,992
In Great Britain June 26, 1942
3 Claims. (Cl. 89—37)



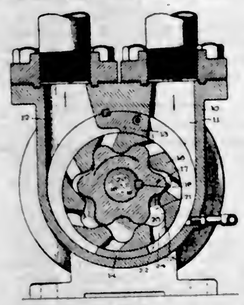
1. In a gun mounting of the class described, including a main armored chamber provided with a roof having an opening therein of a size at least sufficiently large to accommodate the passage of the head of a gunner therethrough, an auxiliary head-protecting armored chamber mounted on the roof of the main armored chamber over the opening aforesaid and freely rotatable bodily relative thereto, said auxiliary chamber having provision for pivotally mounting a gun thereon for movement in elevation relative thereto about a horizontal axis, with the gun disposed wholly outside of both armored chambers, and said gun being also freely movable in traverse about a vertical axis responsive to rotation of the auxiliary chamber, the combination of transmission means extending from the gun to a point outside of the auxiliary chamber and accessible to the gunner from within the main armored chamber for adjusting the gun in elevation, said transmission means comprising a longitudinally shiftable rack member geared at the outside of the auxiliary chamber to the gun, at one end, and a hand-control member disposed within the main armored chamber and geared to the rack member at its other end, said hand-control member being mounted on the auxiliary chamber for bodily movement therewith.

2,458,957
TEMPERATURE COMPENSATOR FOR ELECTRICAL REGULATORS
William G. Neild, Warren Point, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application March 20, 1945, Serial No. 583,811
4 Claims. (Cl. 201—51)



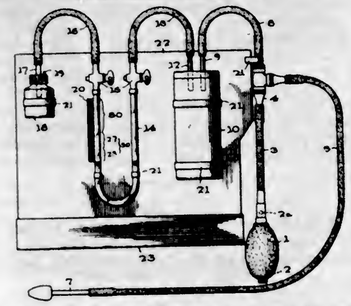
1. An electrical regulator comprising a variable resistance element, an electromagnetic winding, a spring biased armature operated by said electromagnetic winding for regulating said variable resistance element, a cylindrical core, means for adjustably mounting the cylindrical core relative to said electromagnetic winding, said cylindrical core formed of an iron bearing material, a second core formed of an iron bearing material slidably mounted in said cylindrical core and positioned in spaced relation to said armature, a member adjustably mounted at the outer end of said cylindrical core, a rod positioned between said member and said second core and formed of a material having such a greater temperature coefficient of expansion than that of the material of the cylindrical core that the elongation of said rod causes the position of said second core to vary with temperature, and said cylindrical core adjustable for changing the magnetic leakage of said second core to vary the control characteristic of the regulator independently of the air gap between said second core and the armature.

2,458,958
INTERNAL GEAR PUMP AND COMPRESSOR
Reginald J. S. Pigott and Ernest A. Mori, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application April 30, 1947, Serial No. 744,992
8 Claims. (Cl. 103—126)



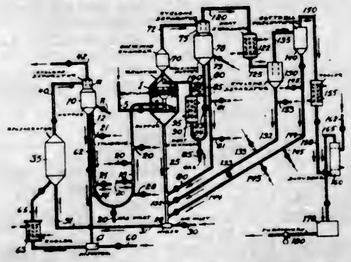
1. In a pump having an encased internally toothed ring gear and a pinion of one tooth difference in mesh therewith, the improvement comprising a ring gear formed with a series of oblique ports extending inwardly from the periphery thereof to the spaces between adjacent teeth, each such port having a wall which constitutes a tapered pickup lip, the profile of which merges with the contour of the advancing tooth.

2,458,959
PORTABLE DEVICE FOR CONTINUOUS PRESSURE POLITZERIZATION
Orr E. Reynolds, Washington, D. C., and Loyal G. Goff, Midway Island, Va.
Application December 27, 1945, Serial No. 637,408
12 Claims. (Cl. 128—1)



1. A portable politzerizer apparatus for relieving total or partial evacuation of the middle ear and which comprises a manually activated device for producing pressure, a surge tank receiving the pressure developed by said device, a mercury manometer for indicating and relieving above a predetermined degree the pressure within said surge tank, and a nozzle in communication with said surge tank for continuously releasing pressure therefrom.

2,458,960
APPARATUS FOR REACTIONS REQUIRING SHORT CONTACT TIME
Bruno E. Roetheli, Cranford, and Walter G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application November 28, 1942, Serial No. 467,162
4 Claims. (Cl. 23—288)



1. Chemical reaction apparatus comprising in combination a hopper in elevated position and adapted to contain powdered solids, an elongated downflow standpipe extending from said hopper, a standpipe in communication with the downflow standpipe and arranged for upflow, at least one branch pipe adapted to discharge gas into

each of said standpipes for fluidizing powdered solids therein, a reaction-chamber-containing

ture, each such hole being countersunk on one side of the disk to receive the head of a faster-

diate wall to permit the different materials to be unwound therefrom, inclined cutting edges on said

posed, a second type of said playing spaces bearing indicia designating opportunities for investment, and indicia in said chance spaces designat-

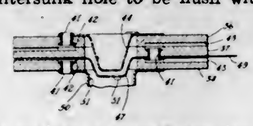
each of said standpipes for fluidizing powdered solids therein, a reaction-chamber-containing vessel in elevated position, walls defining said reaction chamber in the upper portion only of said vessel, said upflow standpipe having an extension projecting into said vessel, an inlet conduit adapted to introduce gaseous material into said vessel, mixing means within said vessel, said mixing means receiving the end of the extension of said upflow standpipe carrying solids and the end of the conduit for introducing gaseous material into said vessel, whereby said solids and gaseous material are thoroughly mixed to form a suspension, means for passing the resulting suspension into the reaction chamber, a plurality of solid-gas separators disposed in the upper portion of said vessel adjacent said reaction chamber, said reaction chamber having an outlet in the upper portion thereof communicating with the inlets of the separators, conduit means extending from the upper portion of said vessel whereby gaseous material may be withdrawn after discharge from the separators, and conduit means extending from the bottom of said vessel whereby solids may be withdrawn.

2,458,961
TELESCOPING TUBE SCREW JACK
Charles A. Snyder, Philadelphia, Pa.
Application August 11, 1944, Serial No. 549,028
7 Claims. (Cl. 254—100)

1. A jack comprising an outer barrel, an inner barrel therein, a base for the inner barrel, means operable to extend said barrels, jaw means on the outer barrel for clamping engagement with a part to be lifted, said jaw means including an element adjustably mounted by the outer barrel and engageable with the inner barrel to prevent relative turning of the barrels during extension.

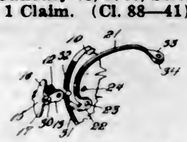
2,458,962
CATHODE-RAY TUBE
Edward Eric Shelton, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 12, 1946, Serial No. 647,010
In Great Britain October 18, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires October 18, 1964
8 Claims. (Cl. 250—27.5)

1. An electrode assembly for an electron gun unit of a cathode ray tube comprising a first parallel-faced electrically insulating annular block disk member to support an electrode having a central aperture and a plurality of spaced holes symmetrically arranged around the central aperture, each such hole being countersunk on one side of the disk to receive the head of a fastening rivet, an electrode embodying an active portion extending into the central aperture and an encircling anchoring portion with the latter portion shaped to extend over the symmetrically disposed holes of the disk and to lie flat against the face of the disk on the side opposite the countersunk ends of the holes, a rivet through each hole to fixedly secure the anchoring portion of the electrode to the disk with the rivet head on the end away from the anchoring portion fitting down in the countersunk hole to be flush with or below



the disk surface, a second annular block disk identical in construction with the first disk and serving to support a second electrode in predetermined position and extending into its central aperture and spaced relation relative to the electrode on the first disk, each disk having countersunk recesses symmetrically disposed around the central aperture to be opposite the rivet holes and to accommodate any rivet heads not flush with or below the associated disk surface, so the disks may be assembled in close surface-to-surface relation without interference from the rivets that anchor the electrodes to the disk.

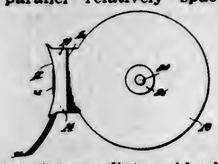
2,458,963
DETACHABLE BRIDGE-BRACE-BAR SPECTACLE CONSTRUCTION
Frederick A. Stevens, Providence, R. I.
Application January 23, 1946, Serial No. 642,890
1 Claim. (Cl. 88—41)



In an ophthalmic mounting a bridge having a lens strap with an ear to extend along a face of a lens, said ear having a hole therein and in addition an opening extending therethrough, a lens having a hole to register with said hole in said ear and a recess in its edge to register with said opening, a high arm designed to extend along the top edge of the lens and having a support at one end with a projection to extend into said opening and recess and also having a hole to register with said holes and a securing member to extend into said holes to hold the lens strap and high arm assembled with the lens.

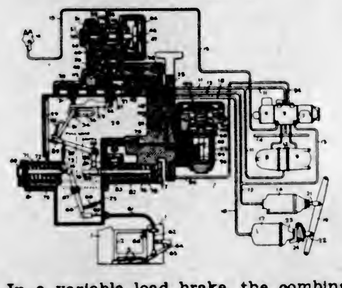
2,458,964
CAMBRIC AND LINEN TAPE DISPENSER
Harold E. Stevenson, Long Beach, Calif.
Application June 25, 1946, Serial No. 679,239
1 Claim. (Cl. 57—10)

A device of the character described, comprising a concavo-convex shaped base which is adapted to engage and conform to the curvature of an electrical cable, inner, outer and intermediate extensions on said base extending outwardly of the convex face thereof, inner, outer and intermediate, circular walls secured to the extensions on said base means mounted transversely of said walls to mount different insulating materials thereon between and separated by said intermediate wall to permit the different materials to be unwound therefrom, inclined cutting edges on said base and parallel relatively spaced straight



elongated slots intermediate said edges through which the material is trained for application to the electrical cable.

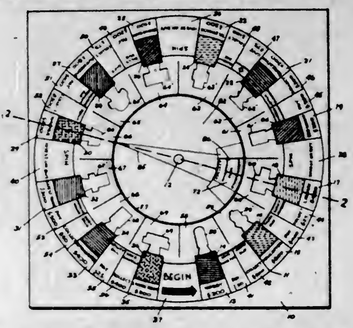
2,458,965
VARIABLE LOAD BRAKE
Henry Norton Sudduth, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application November 25, 1944, Serial No. 565,130
8 Claims. (Cl. 303—22)



1. In a variable load brake, the combination with a vehicle having a truck including suspension springs, of a relay for modifying the intensity of brake applications; ratio controlling means adjustable to vary the setting of said relay progressively between a no load and a full load setting; a motor for shifting said ratio controlling means in one direction; stop means for limiting the shift of the ratio controlling means by said motor; sensing means on the truck responsive to load deflection of the suspension springs; and a Bowden wire operatively connecting said sensing means with said stop.

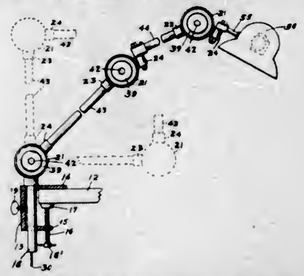
2,458,966
GAME BOARD AND PLAYING PIECES FOR A CHANCE CONTROLLED GAME
Jefferson P. Waldrop, Arlington, Va.
Application March 13, 1945, Serial No. 582,567
6 Claims. (Cl. 273—134)

6. In game apparatus of the type with which playing men are advanced along playing spaces of a plurality of types on a game board in accordance with chance means and with which a spinner is provided to designate certain chance spaces, the novel features comprising the provision of indicia in a first type of said playing spaces designating the purchase value of various different household articles which may be purchased by a player whose playing man is moved to playing spaces of said first type, a plurality of playing pieces bearing representations of said different household articles, said game board adjacent the playing spaces of said first type having recess means for receiving said playing pieces and in which said playing pieces may be disposed, a second type of said playing spaces bearing indicia designating opportunities for investment, and indicia in said chance spaces designating the outcome of said investments, whereby players whose playing men alight on one of said



first type of playing spaces may purchase and remove the household article disposed in the adjacent recess while players whose playing men alight on one of said second type of playing spaces may invest and determine the outcome of the investment by spinning said spinner.

2,458,967
SUPPORT FOR ADJUSTABLE LIGHTING FIXTURES
Arthur E. Wiedenhoeft, Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company, a corporation of Delaware
Application October 24, 1944, Serial No. 560,114
3 Claims. (Cl. 248—276)



1. In an adjustable fixture of the enclosed wire frictional holding type a plurality of hollow arms, a pair of rotatable plates each having a hollow sleeve at one side thereof the axis of said sleeves lying in the same plane as axes of said hollow arms and a recess from the hollow sleeve through to one side of the plate, the plates having central wire openings and being rotatable upon a common axis when placed together, clamping means for frictionally fastening the plates together, friction discs disposed between the plates, and between said plates and said clamping means, for varying frictional engagement of the plates, depending upon the load which they are to carry, and the plates being rotatable without twisting the wires enclosed in the joint cover plates receivable into recesses in the rotatable plates, and suitable clamping means for holding cover plates in place.

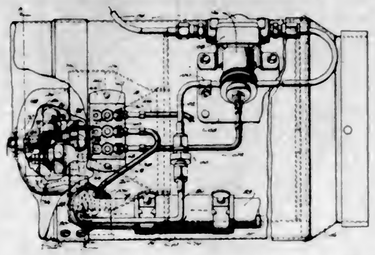
2,458,968
INTERNAL-COMBUSTION HEATER HAVING MEANS TO PREVENT FUEL CONTAMINA-

human figure or the like having a second permanent magnet fixed therein in a predetermined longitudinal portion thereof, said body conforma-

2,458,972
METHOD OF MAKING A BAG HAVING A FILLER MOUTHPIECE IN ONE END

means, means for causing each of the so split beams to strike separate radiant energy detectors and photometering means for determining the relative outputs of the detectors.

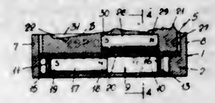
2,458,968
INTERNAL-COMBUSTION HEATER HAVING MEANS TO PREVENT FUEL CONTAMINATION OF THE VENTILATING AIR
Lyan A. Williams, Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application November 6, 1943, Serial No. 509,161
2 Claims. (Cl. 126—116)

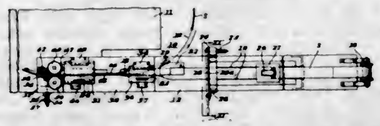


1. An internal combustion heater of the class described, comprising a ventilating air casing, a heat exchanger located within said casing, a liquid fuel burner for supplying hot gases to said heat exchanger including a fuel spray nozzle removably attached to one end of said burner, said burner being located within said casing at one end of said heat exchanger so as to provide space for ventilating air to flow through said casing around said burner, a fuel line leading to said nozzle, a fitting exterior to said burner and within said casing for connecting said fuel line to said nozzle, a jacket forming a combustion air space surrounding said burner and open at the rear end thereof to permit ready access to said burner for insertion or removal of said nozzle, fitting, or fuel line, a detachable cap for closing the open end of said jacket and enclosing said fuel line and fitting, a conduit for conducting combustion air to the interior of said jacket and cap, said air conduit having its inlet end located remotely from said heater, and said fuel line being located inside said conduit between said cap and a point outside of said casing whereby said nozzle is easily removable for cleaning and whereby fuel leakage at said nozzle or fitting cannot contaminate the ventilating air flowing through said casing and heat exchanger and around said burner.

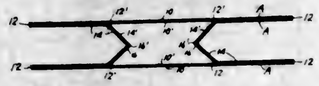
2,458,969
MYSTERY TOY OR PUZZLE
Jack C. Wilson, Garden City, N. Y.
Application February 5, 1948, Serial No. 6,374
2 Claims. (Cl. 46—45)

1. In a magnetic toy, the combination of a non-magnetic casing having two adjacent chambers, one open and the other closed, separated from one another by a non-magnetic partition, a permanent magnet mounted in said closed chamber and adapted to move longitudinally therein, means for releasably anchoring said permanent magnet in two positions in said closed chamber, and a body of non-magnetic material simulating a human figure or the like having a second permanent magnet fixed therein in a predetermined longitudinal portion thereof, said body conforming in shape and size to fit into the open chamber only in properly oriented end to end position, like poles of the permanent magnets cooperating with one another to expel said body from said position in the open chamber when the movable magnet is in one of said two positions and said like poles being out of coactive range to enable said body to remain in said open chamber when the movable magnet is in the other of said two positions.

2,458,970
MYSTERY TOY OR PUZZLE
Jack C. Wilson, Garden City, N. Y.
Application May 25, 1948, Serial No. 29,168
4 Claims. (Cl. 46—45)

1. In a magnetic toy, the combination of a non-magnetic casing having two adjacent chambers, one open and the other closed, separated from one another by a non-magnetic partition, a permanent magnet mounted in said closed chamber and adapted to move longitudinally therein, releasable anchoring means fixed in said closed chamber and adapted to retain said movable magnet in two positions in said closed chamber by the attraction of said movable magnet on said means, and a body of non-magnetic material simulating a human figure or the like having a second permanent magnet fixed therein in a predetermined longitudinal portion thereof, said body conforming in shape and size to fit into the open chamber only in properly oriented end to end position, like poles of the permanent magnets cooperating with one another to expel said body from said position in the open chamber when the movable magnet is in one of said two positions and said like poles being out of coactive range to enable said body to remain in said open chamber when the movable magnet is in the other of said two positions.

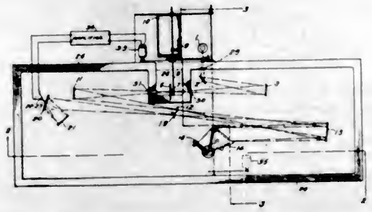
2,458,971
METHOD AND APPARATUS FOR WRAPPING SAW BLADES OR THE LIKE
Henry E. Wilson and Gerald W. Wilson, Grand Junction, Colo., assignors to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa., a corporation of Delaware
Application February 27, 1946, Serial No. 650,598
19 Claims. (Cl. 93—3)

1. Apparatus for wrapping saw blades or the like comprising a table, traction rolls thereon adapted to engage a blade placed on edge on the table, means for delivering a wrapping strip longitudinally of the blade, and guide blocks spaced along the table effective progressively to fold the edges of the strip around the blade as it is pulled through the blocks by said rolls.

2,458,972
METHOD OF MAKING A BAG HAVING A FILLER MOUTHPIECE IN ONE END
Howard A. Wolf, Philadelphia, Pa., assignor to Elias Wolf, Howard A. Wolf, and Walter L. Wolf, copartners trading as Wolf Brothers, Philadelphia, Pa.
Application December 1, 1945, Serial No. 632,176
1 Claim. (Cl. 93—35)



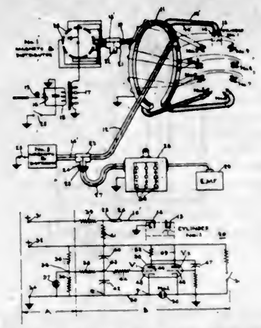
The method of making a filter bag having an impervious tubular filler mouthpiece from a bag and a mouthpiece each having infolds at its opposite sides and panels extending from side to side of the infolds, comprising nesting within the open end of the bag an open ended tubular mouthpiece having infolds of less depth than the infolds of the bag in contact with portions of the inner faces of the panels and portions of the faces of the infolds of the bag, then placing a strip of impervious material having a cement on one face thereof over the entire outer portion of the bag including the infolds at the space desired to be cemented, and then causing the cement to flow through the bag, to cement the mouthpiece to portions of the panels and portions of the infolds of the bag, and also the inner faces of the portions of the panels of the bag extending beyond the junctions of the panels and infolds of the mouthpiece and the bag to the adjacent portions of the infolds of the bag.

2,458,973
INFRARED SPECTROPHOTOMETRY
Robert B. Barnes, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 25, 1943, Serial No. 503,769
7 Claims. (Cl. 250—43)



1. In a photometer which includes in optical alignment, a radiator of energy of frequencies sufficiently high to obey optical laws, a monochromating means and a plurality of radiation detecting systems, the detectors of which are of limited area too small to receive the whole energy of uncollimated beams, the improvement which comprises means for causing radiant energy from the radiator to converge in a beam and focus in a narrow line at the point of convergence thereof, said means being interposed in the optical system at a point between the radiator and the detectors, means for mechanically splitting said converged, narrow line beam into two separate beams, each of finite area, said splitting means being located at substantially the point of convergence of said beam, sample holding means positioned in one of the so split beams adjacent to said splitting means, means for causing each of the so split beams to strike separate radiant energy detectors and photometering means for determining the relative outputs of the detectors.

2,458,974
METHOD OF AND APPARATUS FOR TESTING IGNITION
William Malcolm Bauer, Glen Ridge, N. J., assignor to Curtiss-Wright Corporation, Bloomfield, N. J., a corporation of Delaware
Application June 2, 1945, Serial No. 597,224
16 Claims. (Cl. 175—183)



10. Testing apparatus for a dual-ignition multiple cylinder internal combustion engine adapted to run on either ignition system while the other ignition system is dead comprising a portable unit that can be selectively connected to a dead ignition system of said engine, said unit having a source of D. C. potential and comprising a testing circuit for each cylinder of said engine, each circuit having a condenser arranged to be charged by said potential so as to be impressed on a spark plug of the corresponding cylinder in the dead ignition system so as to cause discharge through said plug during normal firing of the engine charge by the twin plug of said other ignition system, valve biasing means responsive to said discharge, an electronic valve normally biased to cut-off and controlled by said biasing means so as to be conducting during said discharge, and a lamp operatively connected to said valve for indicating said discharge and normal firing.

2,458,975
RIB REINFORCING MEANS FOR PROPELLER BLADES
George W. Brady, Upper Montclair, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 9, 1943, Serial No. 513,573
3 Claims. (Cl. 170—159)

1. A hollow metallic propeller blade comprising a pair of plates comprising flattened thrust and camber members disposed in facing relation and defining an interior chamber, and a reinforcing rib integral with one of said plates and extending into said chamber from the inner side only of said plate, said reinforcing rib being un-

interrupted and disposed crosswise with respect to the longitudinal axis of said propeller blade

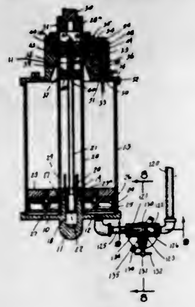
tion containing said high viscosity polymer product under such reaction conditions as to produce

2,458,979
MILK BOTTLE INDICATOR
Joseph L. Churchill, Seattle, Wash.

2,458,982
AIRCRAFT TRAINING INSTRUMENT FOR SIMULATING ATTITUDE GYROS
Richard Carl Dehmel, Summit, N. J.

interrupted and disposed crosswise with respect to the longitudinal axis of said propeller blade and extending from a point adjacent the blade trailing edge to a point adjacent the blade leading edge, the surface of said reinforcing rib which faces the other plate being spaced from the interior surface thereof.

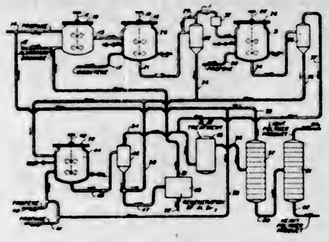
2,458,976
MULTIPLE POWER APPLICATION DEVICE
Rollin E. Campbell, Anderson, Ind.
Application April 4, 1944, Serial No. 529,531
6 Claims. (Cl. 60—97)



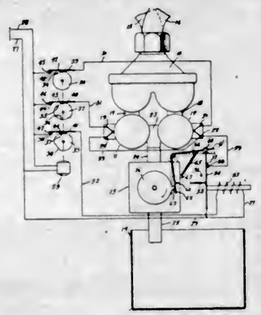
1. A pressure operated device comprising a main cylinder, an annular main piston therein having a hollow piston rod projecting out of one end of the main cylinder, the projecting end of the hollow rod being closed to form a small cylinder, a relatively stationary small piston in the small cylinder, means for selectively controlling the application of fluid under pressure to the small cylinder between its projecting closed end and the small piston, means for continuously applying fluid under pressure to the main piston at the side thereof opposite the piston rod, a normally open bypass passage for fluid flow between opposite sides of the main piston, a normally closed vent passage for the rod end of the main cylinder, and means responsive to a predetermined movement of the main piston following the admission of fluid under pressure to the small cylinder for opening the vent passage and closing the bypass passage, whereby the pressure at the rod side of the main piston is vented and the pressure at its other side is effective to cause continued movement of the main piston and its connected small cylinder.

2,458,977
HYDROCARBON CONVERSION PROCESS
Don R. Carmody, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, New York, N. Y., a corporation of New York
Application September 19, 1946, Serial No. 697,961
17 Claims. (Cl. 260—683.15)

1. A process for the polymerization of olefins comprising admixing an olefin with a solution of metallic halide catalyst in a solvent under such reaction conditions as to produce high viscosity polymer product as a first step, discontinuing admixture of further of said olefin with said catalyst solution, maintaining said metallic halide catalyst in solution in said solvent and in admixture with said high viscosity polymer product, admixing a different type olefin from that employed in said first step with said catalyst solution containing said high viscosity polymer product under such reaction conditions as to produce a low viscosity polymer product as a second step, removing catalyst complex from the reaction mixture from said second step, admixing an olefin with said catalyst complex under such reaction conditions as to produce a polymer product having a viscosity similar to the viscosity of the polymer product produced in said second step as a third step, combining the reaction mixture from said second and said third steps, and recovering high viscosity and low viscosity polymer products as separate fractions therefrom.

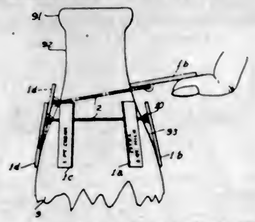


2,458,978
FLUID CONTROL SYSTEM AND MECHANISM
Thomas B. Chace, Winnetka, Ill., assignor to The Dole Valve Company, Chicago, Ill., a corporation of Illinois
Application April 24, 1944, Serial No. 532,467
5 Claims. (Cl. 222—76)



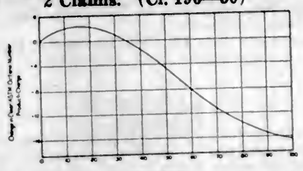
1. A fluid control system comprising a fluid supply duct, an electrically operated shutoff valve in said supply duct, an energizing circuit for opening said valve including a cam operated switch and a relay operated switch connected in series with said valve, an energizing circuit for said relay including a second cam operated switch for closing the energization circuit for said relay, a fluid metering device in said duct for measuring the quantity of water flowing therethrough, a continuously running substantially constant speed timer, cam means operated by said timer for closing both of said cam operated switches, and means operated solely by said metering device independently of said timer for opening said relay operated switch after a predetermined quantity of fluid has passed through said metering device.

2,458,979
MILK BOTTLE INDICATOR
Joseph L. Churchill, Seattle, Wash.
Application July 14, 1947, Serial No. 760,874
5 Claims. (Cl. 116—134)



1. For use upon a standard milk bottle, means to indicate wanted dairy products, comprising a ring of a size large enough to slip over the top of the bottle but too small to slip down over its sloping shoulders, a plurality of tags independently pivoted upon said ring, and each having its mass located principally below the ring to hang normally pendant therefrom, but including a portion extending above the ring, the ring tilting upwardly as a tag is tilted from its normal pendant position to a reversed, uptilted position, and settling back to hold such uptilted tag in the latter position by pressure of the ring's weight against the bottle, each tag bearing indicia identifying wanted products.

2,458,980
PRODUCTION OF GASOLINE
Robert M. Cole, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 8, 1945, Serial No. 633,814
2 Claims. (Cl. 196—50)



1. In a process for the production of a leaded gasoline having an improved ASTM octane number from a thermal gasoline stock having an ASTM octane number N by hydrogenation of said thermal gasoline stock and addition of tetraethyl-lead, the improvement which comprises carrying out the hydrogenation of the thermal gasoline stock under conditions to effect such a percentage saturation of the stock S that

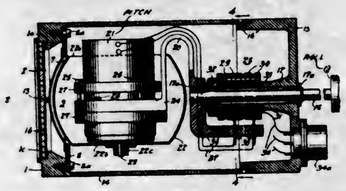
$$S=11+4.7(N'-N)\pm5$$

wherein N' is the desired ASTM octane number of the hydrogenated and leaded product.

2,458,981
METHOD OF ELIMINATING OFFSET
Charles B. Cotherman, Goshen, Ind.
No Drawing. Application October 1, 1945, Serial No. 619,701
4 Claims. (Cl. 101—422)

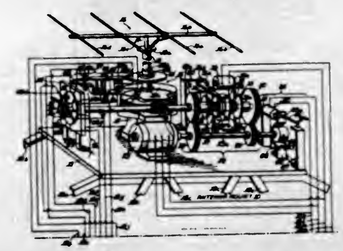
1. The method of facilitating printing press work positioning and removal which consists in applying to the draw sheet of a printing press platen, a mixture of oil and finely powdered soapstone.

2,458,982
AIRCRAFT TRAINING INSTRUMENT FOR SIMULATING ATTITUDE GYROS
Richard Carl Dehmel, Summit, N. J.
Application September 17, 1946, Serial No. 697,473
6 Claims. (Cl. 177—337)



1. Aircraft training apparatus for simulating an artificial horizon comprising means adapted for continuous and reversible rotation according to the operation of a bank attitude motor, a pitch attitude motor bodily carried by said rotatable means and a generally spherical member for representing an artificial horizon movable with and arranged for continuous and reversible rotation by said pitch attitude motor so that said spherical member is adapted to assume all attitudes of aircraft in simulated complex maneuvers.

2,458,983
ELECTRIC MOTOR FOLLOW-UP CONTROL SYSTEM
William L. Dunn, Chicago, Ill., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 29, 1943, Serial No. 485,061
14 Claims. (Cl. 318—31)



1. In a control system which includes a setting element and a settable element, an asynchronous connection between said setting element and said settable element including driving means for said settable element and means responsive to movement of said setting element from one position to a new position for initiating operation of said driving means, electro-mechanical means including an element synchronously operated with said settable element through a plurality of revolutions during movement of said settable element over its normal range, and operative to arrest the operation of said driving means when said settable element is operated to a position corresponding to the new position of said setting element, and means for automatically establishing a predetermined positional relationship between said settable element and said synchronously operated element before operating said last-named element synchronously with said settable element.

2,458,984
FOOTBALL INSTRUCTING DEVICE
Charles A. Engle, Pawtucket, R. I.

2,458,986
CHASSIS ENGAGING DEVICE FOR VEHICLE LIFTS

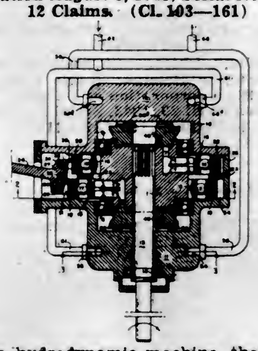
of a carrying member, said packing comprising a plurality of circumferential assemblies fastened in holding member grooves and each assembly including segments disposed circumferentially in

in combination, pumping means operative in response to pressure variations in said induction passage on the downstream side of said throttle means, fuel delivery means leading from said

2,458,984
FOOTBALL INSTRUCTING DEVICE
Charles A. Engle, Pawtucket, R. I.
Application February 5, 1945, Serial No. 576,305
4 Claims. (Cl. 35—29)

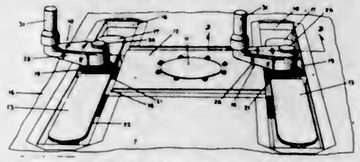
1. A device for instructing the playing of football comprising a panel shaped to indicate the general extent of the line of players of a football team and means on said panel dividing it into sectors corresponding with the position of the different players comprising said line whereby the position of the players in the line may be determined without the presence of the player in the line, said panel being provided with spikes curved toward the middle of the panel to draw the panel taut as they are positioned in the ground.

2,458,985
HYDRODYNAMIC MACHINE
Walter Ferris, Milwaukee, and James K. Douglas, Shorewood, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 8, 1945, Serial No. 609,584
12 Claims. (Cl. 103—161)



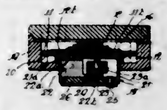
1. In a hydrodynamic machine, the combination of a rotatable cylinder barrel having a first and a second set of cylinders extending inward from its circumferential periphery and a first and a second set of channels extending inward from its opposite ends into communication with the cylinders of said first and second sets respectively, a piston arranged in each cylinder, a thrust member extending around said cylinder barrel and engaging the outer ends of the pistons of one set, a second thrust member extending around said cylinder barrel and engaging the outer ends of the pistons of the other set, the axes of said thrust members being offset in opposite directions from the cylinder barrel axis, two valves arranged upon opposite ends of said cylinder barrel to control the flow of liquid to and from said cylinders, each valve having a high pressure port and a low pressure port with which each channel in the adjacent end of said cylinder barrel registers alternately as said cylinder barrel rotates, and means for urging each of said valves against said cylinder barrel with a force which varies in accordance with variations in the pressure in its high pressure port.

2,458,986
CHASSIS ENGAGING DEVICE FOR VEHICLE LIFTS
George Frey, Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa, a corporation of Iowa
Application March 19, 1947, Serial No. 735,582
3 Claims. (Cl. 254—89)



1. In a vehicle lift having a vehicle supporting structure including a pair of transversely spaced longitudinally extended frame members, vehicle-engaging devices for said frame members including base members movably carried on said frame members for movement longitudinally thereof, coacting means on said frame members and said base members for locking said base members against tilting movement relative to said frame members at any moved position of said base members, horizontal arm members rotatably supported at one end on said base members, with the lower sides of the arm members at the one end thereof, being adapted for bearing engagement with the upper sides of said base members in all moved positions of said arm members, and upright members at the free ends of said arm members adapted to engage portions of the chassis of a vehicle to be lifted.

2,458,987
PIEZOELECTRIC CRYSTAL UNIT
Hal F. Fruth, Chicago, and Roger J. Pierce, Park Ridge, Ill., assignors to Motorola, Inc., a corporation of Illinois
Application July 18, 1945, Serial No. 605,762
13 Claims. (Cl. 171—327)

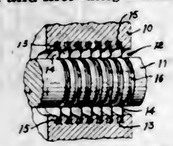


1. A variable frequency piezoelectric crystal unit, comprising a pair of electrodes adapted to have a piezoelectric crystal supported therebetween, one of said electrodes being spaced from one face of said crystal by an air gap and being at least in part movable relative to said crystal in response to ambient temperature variations to control variations in the output frequency of said unit with said ambient temperature variations, the other of said electrodes being spaced from the other face of said crystal by a second air gap and being at least in part movable relative to said crystal to vary the output frequency of said unit, and electro-responsive means for moving said other electrode relative to said crystal.

2,458,988
LABYRINTH PACKING
George F. Gayer, Palo Alto, Calif., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa.
Application April 2, 1945, Serial No. 586,109
1 Claim. (Cl. 286—10)

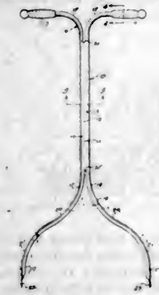
In labyrinth packing wherein sealing strips are fastened in circumferentially-extending grooves

of a carrying member, said packing comprising a plurality of circumferential assemblies fastened in holding member grooves and each assembly including segments disposed circumferentially in end-to-end relation, each segment having its outer radius suitable to bottom in its holding member groove and including a sealing strip com-



ponent formed from suitable alloy steel sheet material and a soft iron caulking component fastened to one side of the strip component, said strip and caulking components being pre-shaped arcuately so that the peripheries thereof aline when they are fastened together to form a segment.

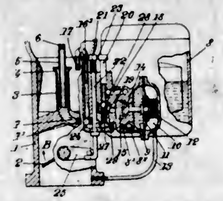
2,458,989
PROCESS OF MAKING MACHINE HANDLES
Edwin S. George, Bloomfield Hills, Mich., assignor to The Moto-Mower Company, Detroit, Mich., a corporation of Michigan
Application August 8, 1946, Serial No. 689,213
1 Claim. (Cl. 113—116)



A process of making a machine or equipment handle from sheet stock comprising forming flanges along the longitudinal edges of an elongated strip of sheet stock, forming apertures through said strip at locations spaced inwardly at predetermined distances from the opposite ends of said strip, longitudinally slotting the end portions of the flanged strip as far as said apertures, bending the slotted portions at one end of the strip outwardly in opposite directions to form a cross bar, and spreading apart the slotted portions at the opposite end of the strip to form a yoke portion for attachment to a machine.

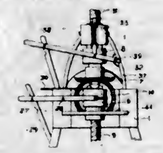
2,458,990
PNEUMATIC CONTROL ACCELERATING PUMP
Gaston Griffon, Neuilly-sur-Seine, France, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, Seine, France, a society of France
Application July 21, 1945, Serial No. 606,335
In France October 4, 1944
4 Claims. (Cl. 261—34)

1. For use in connection with an internal combustion engine, a fuel reservoir chamber, means forming an induction passage leading to said engine and throttle means for controlling said passage, an accelerating pump which comprises, in combination, pumping means operative in response to pressure variations in said induction passage on the downstream side of said throttle means, fuel delivery means leading from said pumping means to said passage, fuel discharge means leading from said pumping means to said fuel reserve chamber, and means operatively



connected with said throttle means for instantaneously opening said discharge means and simultaneously closing said fuel delivery means when said throttle means is closed beyond a position close to the idling position and closing said discharge means while simultaneously opening said fuel delivery means when said throttle means is opened beyond said first mentioned position.

2,458,991
POSTHOLE DIGGER
Lloyd L. Grosshart, Boicourt, Kans.
Application April 26, 1946, Serial No. 665,097
2 Claims. (Cl. 74—22)



1. In a power transmitting system for a digging apparatus, a source of power, a threaded shaft, mechanism operable to connect said source of power with said shaft, said mechanism comprising a driving gear rotatable on said shaft and having depending spaced clutch teeth, a first clutch operable to connect said gear with said shaft and having upstanding spaced clutch teeth adapted to fit between the clutch teeth of said gear to provide connection therebetween, a brake lever mounted for movement toward and away from said clutch, a lug carried by said brake lever and adapted to be moved into a fitting engagement between the teeth of said clutch for holding said clutch against rotation, a stop-and-go nut threaded on said shaft, a second clutch operable to connect said gear with said stop-and-go nut, brake means operable to prevent rotation of said stop-and-go nut, and means for bringing said last mentioned brake means into operating position with said stop-and-go nut upon release of said second clutch.

2,458,992
PULVERIZED FUEL BURNER
Floyd T. Hague, Drexel Hill, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 6, 1946, Serial No. 674,734
3 Claims. (Cl. 110—28)

1. In a pulverized fuel burner, inner and outer concentrically-disposed annular casings defining

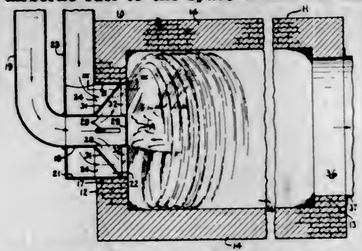
therebetween an annular nozzle chamber, radial partitions separating said annular nozzle chamber into a plurality of nozzles, means for supply-

the planes of the side, top, and bottom walls, respectively, and extending beyond one end of the latter, to inactive positions inwardly of the ends

rolysis zone, (5) cooling said mixture by directly contacting it with the molten salt withdrawn

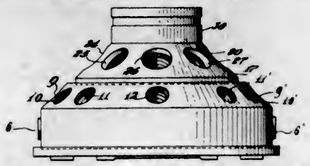
parallelism with the backing panel, said protecting panel having an opening therein and tabs hingedly connected to the margin of the opening to fold downwardly in said opening relative to said

therebetween an annular nozzle chamber, radial partitions separating said annular nozzle chamber into a plurality of nozzles, means for supplying airborne fuel to the space within the inner



casing, means for supplying secondary air to certain of the nozzles, means for admitting airborne fuel from the interior of the inner casing to the other of the nozzles, and means preventing entry of secondary air to said other nozzles.

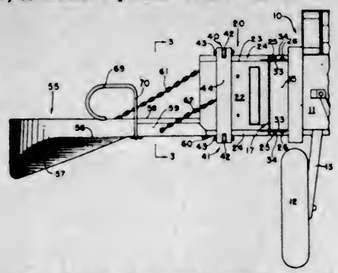
2,458,993
TESTING SOCKET
Louis Hanopol, Jamaica Plain, Mass., assignor to A. L. Deutschmann, Arnold Deutschmann, L. Deutschmann, and Herbert W. Gordon, doing business as Technical Apparatus Company, Roxbury, Mass.
Application January 27, 1945, Serial No. 574,952
9 Claims. (Cl. 174—35)



1. A shielded test socket device comprising a metal base junction block section, an intermediate metal socket section and a metal top adapter section, said base section providing a plurality of parallel shielded receptacle connections, said intermediate section having a top surface with a plurality of shielded sockets internally connected respectively to a plurality of receptacles positioned in an inclined peripheral surface of said intermediate section, said top adapter section having on its bottom surface plugs aligned to fit into the sockets in the top surface of the intermediate section and a socke having pin receptacles in the top surface of the top section adapted to receive the tube to be tested, the socket in the top section having its pin receptacles connected internally one to each of the plugs in the bottom of the top section.

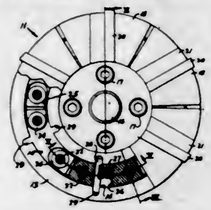
2,458,994
BALING PRESS
George B. Hill, Ottumwa, Iowa, assignor to Deere Manufacturing Co., a corporation of Iowa
Application September 4, 1945, Serial No. 614,395
8 Claims. (Cl. 100—23)

1. In a baling press case comprising a pair of oppositely disposed side walls and a pair of opposed top and bottom walls, and a collapsible extension for said case comprising a plurality of extension plates pivotally mounted on said bale case by means providing for swinging movement from normal operating positions substantially in the planes of the side, top, and bottom walls, respectively, and extending beyond one end of the latter, to inactive positions inwardly of the ends



thereof to shorten the overall length of said case, and means for detachably securing said extension plates in said normal position.

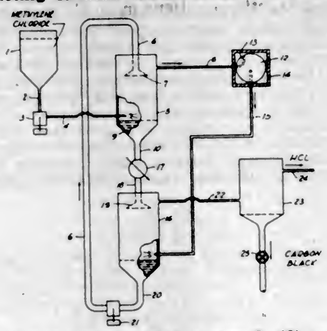
2,458,995
CUTTER TOOL VIBRATION CONTROL
Ralph G. Hummer, Defiance, Ohio, assignor to Defiance Machine Works, Inc., Defiance, Ohio, a corporation of Ohio
Application July 7, 1945, Serial No. 603,629
5 Claims. (Cl. 29—105)



1. In a device of the class described, in combination, a disk suitable for mounting on a rotatable spindle, a plurality of toolholders carrying tools that are successively applied to the work, said toolholders being movably mounted on the disk for movement independently of each other circumferentially with respect to the disk, and resilient means acting between the disk and the toolholders for urging the toolholders in the direction of rotation of the disk when mounted on the spindle.

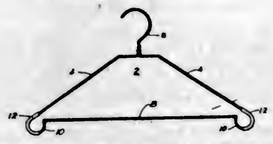
2,458,996
MANUFACTURE OF CARBON BLACK
Robert E. Kinney and Everett Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of Texas
Application February 11, 1946, Serial No. 646,842
4 Claims. (Cl. 23—209.4)

1. A process for the preparation of carbon black from methylene chloride which comprises the steps of (1) passing said methylene chloride in direct contact with a molten salt in a preheating zone, whereby it is vaporized and heated to a temperature of from about 300° to about 600° C., (2) separately withdrawing the hot vaporized reactant and the molten salt from the preheating zone, (3) passing the reactant vapors to a pyrolysis zone wherein they are subjected to a temperature of from about 900° to about 1200° C. to form carbon black and hydrogen chloride, (4) withdrawing the product mixture from the pyrolysis zone, (5) cooling said mixture by directly contacting it with the molten salt withdrawn



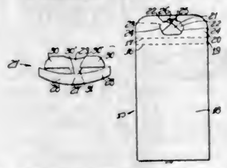
from the preheating zone in step 2, (6) recovering carbon black product from said mixture, and recycling the molten salt to said preheating zone.

2,458,997
SKIRT HANGER
Arnold J. Levine, Cincinnati, Ohio, now by change of name John Arnold Lindon
Application January 2, 1946, Serial No. 638,620
2 Claims. (Cl. 223—88)



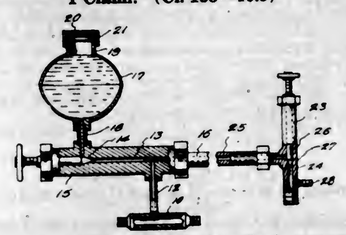
1. In a garment hanger of stiff wire bent to form downwardly and outwardly extending shoulders adapted to be inserted in the waist of a garment, a coating of adhesive material on said shoulders adjacent the outer extremities of said shoulders, said adhesive material having a tacky surface whereby to adhere to the garment to prevent the same from slipping off said shoulders.

2,458,998
SHIRT PACKAGING DEVICE
William W. McFall, River Forest, Ill.
Application November 9, 1945, Serial No. 627,698
9 Claims. (Cl. 223—71)



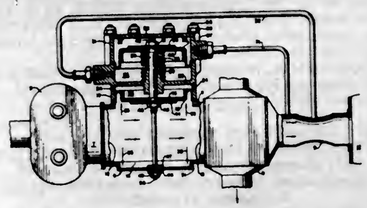
1. In a shirt packaging device, a generally rectangular sheet member of flexible fibrous material adapted to be subdivided along parallel lines of fold into a backing panel adapted to be positioned adjacent the back of a shirt, a rear wall and a collar protecting panel, and a collar supporting and locking member insertable between the collar and neckband of the shirt having a pair of bracing wings, said rear wall and panel being foldable along said lines to bring the protecting panel into position over the collar in parallelism with the backing panel, said protecting panel having an opening therein and tabs hingedly connected to the margin of the opening to fold downwardly in said opening relative to said protecting panel, said supporting and locking member being positioned adjacent said protecting panel and forwardly of said opening therein when inserted between said collar and neckband, said bracing wings being swingable rearwardly relative to said protecting panel and downwardly through said opening and being flexible outwardly beneath said protecting panel to lock the members into retaining engagement therewith.

2,458,999
PRIMER AND IDLER
Will R. S. Mills, Crystal, Okla.
Application November 9, 1945, Serial No. 627,753
1 Claim. (Cl. 158—46.5)



A device of the class described comprising a reservoir adapted to contain liquid fuel, a hollow carburetor and fuel pump coupling, a joint coupling forming a communication between the reservoir and the first mentioned coupling, an intake manifold connection, a pipe forming a communication between the intake manifold connection and the joint coupling, a valve for closing the intake manifold connection, a valve for closing the communication between reservoir and the joint coupling, and a normally sealed rotatable vent cap carried by the reservoir and having a vent opening which is adapted to be opened when the cap is rotated in one direction and closed when the cap is rotated in an opposite direction to control the flow of liquid fuel from the reservoir and to hold the fuel within the reservoir when desired.

2,459,000
SPILL VALVE
Charles W. Morris, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California
Application April 23, 1945, Serial No. 589,871
15 Claims. (Cl. 98—1.5)

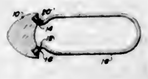


1. In an aircraft cabin pressurizing system, in combination with a cabin to be pressurized and from which controlled escape of the air is per-

sleeve section, having an exposed threaded por- for creating suction through said nozzle; a brush

mitted, means for directing a stream of air under pressure into said cabin, said last means including a spill valve having a duct portion and a venturi, said duct portion and venturi being arranged in series in the order named between said source of pressure and said cabin, said spill valve further including a fluid release port and a valve element for closing said port, said valve element opening outwardly, a servomotor including a diaphragm and means forming on the respective sides of said diaphragm a pair of fluid pressure chambers, a second diaphragm forming one side of said duct, the pressure within said duct being balanced against the inner sides of said second mentioned diaphragm and said valve element respectively and the outer sides of said second mentioned diaphragm and valve element being exposed to ambient pressure; a stem connecting said valve element and said two diaphragms; a spring yieldingly urging said valve stem in the direction to close said valve, and connections between said venturi and said servomotor adapted to establish in said chambers as a result of pressure drop in said venturi differential pressure adapted to overcome said spring and cause said valve to open when the rate of mass flow through said venturi exceeds a predetermined maximum.

2,459,001
CURTAIN ROD GUIDE
William A. Murray, Ajo, and Gordon T. Alley, Tucson, Ariz.
Application February 24, 1947, Serial No. 730,320
1 Claim. (Cl. 223—105)



A guide for threading a curtain rod comprising, a guide head, a plurality of angularly disposed sockets opening at the rear of said guide head, a spring wire clip for attaching said guide head to a curtain rod and angularly disposed fingers carried by said clip and loosely fitting in said sockets whereby to support said guide for lateral movement with respect to the curtain rod.

2,459,002
PREPARATION OF ACYL-NITROARYLIDES
Robert Prescott Parker and Richard Franklin Reeves, Somerville, and Robert Carland Conn, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 26, 1944, Serial No. 555,894
10 Claims. (Cl. 260—556)

1. A method of producing a nitro acylarylide of the benzene series which comprises reacting a solution of the corresponding amine in a water immiscible inert organic solvent with an acylating agent and nitrating with nitric acid without isolating the acylarylide.

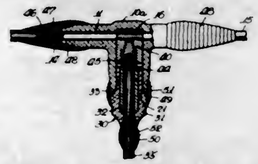
7. A method according to claim 1 in which the acylating agent is p-toluene sulfonyl chloride.

2,459,003
STANDING VALVE RELEASE MECHANISM
Elmer M. Roark, Shreveport, La.
Application May 12, 1947, Serial No. 747,523
7 Claims. (Cl. 103—221)

1. A standing valve release mechanism comprising a main hollow body portion adapted to be attached to a standing valve cage assembly or the like; a sleeve slidably mounted on said hollow body portion; a cap member slidably mounted in the upper end of said sleeve; tripping means mounted on said sleeve adapted for lifting a standing valve upon a downward movement thereof by a pressure exerted on said sleeve by said cap member; means for locking said sleeve in its lowered position including a ratchet rotatably mounted in said hollow body portion and a cored spring support slidably mounted in said hollow body portion and resting on said ratchet; said locking means adapted for maintaining said valve in an open position after pressure is removed from said cap member; actuating means

carried by said cap member including a head portion adapted to contact the inner top surface of said cap member and including a depending prong positioned to move through said cored spring support; a coiled compression spring surrounding said prong and interposed between the head of said prong and said cored spring support; said spring being adapted to maintain said cap in a normally upwardly extended position with respect to said encircling sleeve and to maintain said sleeve in a normally upwardly extended position with respect to said hollow body portion; said prong being adapted for engagement with said ratchet to actuate said locking means.

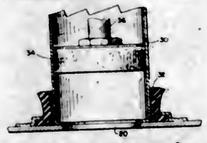
2,459,004
PREINSULATED AERIAL CABLE TAP CONNECTOR
Julian Rogoff, New Rochelle, N. Y., assignor to Buendy Engineering Company, Inc., a corporation of New York
Application July 8, 1946, Serial No. 681,867
9 Claims. (Cl. 174—71)



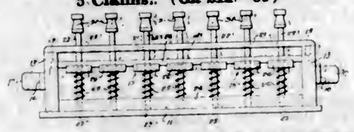
1. A connector for tapping into an energized electrical circuit which comprises a body portion having means for electrical connection to the electrical circuit, said body portion having a threaded section, and covered with insulation extending sufficiently beyond the threaded section to provide ample creepage distance therefrom; a tap connection for said body portion comprising an insulating cover provided with an extending

sleeve section, having an exposed threaded portion for engagement with the threaded section of said body portion; and a connector, having means for securing the tap conductor thereto prior to establishing contact with the body portion and having a contacting surface for engaging the body portion and provided with an engaging portion rotatably mounted with respect to said tap connection and positioned between the tap connection and the body portion whereby the tap connection may be rotated into threaded engagement with the body portion, driving the connector linearly into firm contact with the body portion.

2,459,005
PIPE JOINT
Spicer Douglass Shearman, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application March 5, 1946, Serial No. 652,123
3 Claims. (Cl. 285—90)

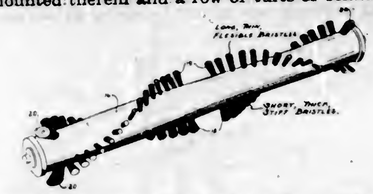


1. A follower plate structure for a grease gun including a barrel comprising a follower plate element, and means for connecting the grease gun barrel thereto comprising a sleeve connected with the follower plate and adapted to receive the grease gun barrel, said sleeve being of resilient material for gripping and sealing against the barrel, and having an internal bead adapted to be expanded over the barrel without substantial distortion.

2,459,006
TIE RACK
Clarence Sova, Windsor, Ontario, Canada
Application December 27, 1946, Serial No. 718,759
In Canada October 15, 1946
5 Claims. (Cl. 211—89)

3. A necktie rack comprising a supporting structure, a substantially horizontal abutment extending across and connected to the forward portion of said structure, a plunger reciprocably mounted in bores in said structure for motion substantially perpendicular to and forwardly toward said abutment, a necktie clamp mounted on said plunger and movable forwardly therewith into engagement with said abutment, and a resilient member connected to said plunger and urging said plunger in a forward direction toward said abutment and effecting engagement of said clamp with said abutment.

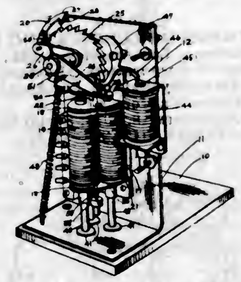
2,459,007
BRUSH ROLL FOR SUCTION CLEANERS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 9, 1945, Serial No. 587,261
3 Claims. (Cl. 15—383)

1. In a suction cleaner for cleaning a nonuniform surface and including a nozzle and means for creating suction through said nozzle; a brush roll disposed in and coacting with said nozzle, said brush roll comprising a core, a row of tufts of relatively long, thin and flexible bristles mounted therein and a row of tufts of relatively



short, thick and stiff bristles also mounted in said core in circumferentially-spaced relationship to said first-mentioned row, the tufts of the second mentioned row being of greater thickness than the tufts of the first mentioned row.

2,459,008
RATCHET-OPERATING MEANS
Walter A. Tratsch, Chicago, Ill.
Application January 5, 1946, Serial No. 639,221
3 Claims. (Cl. 74—126)

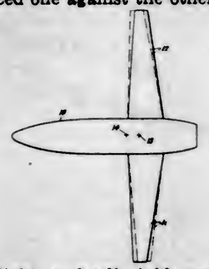


1. Mechanism of the class described including a shaft, a ratchet wheel on the shaft for rotation therewith, a pawl movable into engagement with the ratchet wheel for rotating the latter step by step, means for moving the pawl into engagement with the rachet wheel, means operable by the pawl-moving means and operatively related to the ratchet wheel to latch the ratchet wheel against rotation in a direction opposite to the rotation thereof by the pawl, said pawl-moving means including a sleeve mounted on the shaft for independent rotation thereof, means pivotally connecting the pawl to the sleeve, an arm carried by the sleeve and having lateral extensions formed therein, and independently operated solenoids having push rods adapted to engage said extensions.

2,459,009
AIRCRAFT BODY AND WING ARRANGEMENT
Barnes Neville Wallis, Weybridge, England, assignor to Vickers-Armstrongs Limited, London, England
Application May 25, 1946, Serial No. 672,249
In Great Britain March 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 1, 1965
10 Claims. (Cl. 244—13)

1. In a flying body, the combination of wings and an elongated fuselage extending substantially forwardly of the wings, said fuselage having a positive pitching moment in uniform horizontal

flight, the wings being mounted on said fuselage, with their centre of pressure located aft of the centre of gravity of the flying body, said wings having a negative pitching moment due to the forces acting thereon, said pitching moments being balanced one against the other in uniform



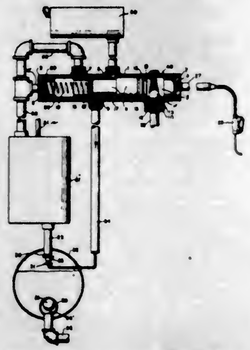
horizontal flight, and adjustable means mounting the wings on the fuselage for changing the position of the wings thus varying the position of the centre of pressure thereof and hence the value of the wing-pitching moment for effecting control of the flying body in flight.

2,459,010

HIGH-PRESSURE LUBRICATING UNIT

Louis B. Williams, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif., a corporation of California

Application December 18, 1944, Serial No. 568,752
2 Claims. (Cl. 222—373)



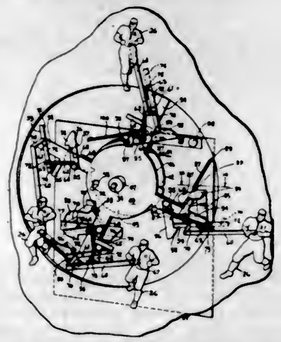
1. In a compressed air type lubricant dispensing apparatus of the character described: a valve unit including a substantially hollow cylinder, substantially closed at each end; a piston movable therein into two operative positions; a spring interposed between one end of the piston and the adjacent end of the cylinder to hold said piston in one of said positions; said cylinder having an aperture for the inlet of compressed air and having compressed air outlet apertures on opposite sides of the cylinder for transmitting compressed air successively in two directions; an inlet in the cylinder for the admission of lubricant to be dispensed under pressure and to hold said piston in the other of said positions, the piston having an annular groove for connecting the compressed air inlet aperture with the compressed air outlet aperture in the spring biased position of the piston, and adapted to connect the compressed air outlet aperture on the one side of the cylinder with the compressed air outlet on the opposite side of the cylinder in the lubricant biased position of the piston; and an outlet in one end of the cylinder for the discharge of lubricant under pressure when said piston is in the spring biased position in said cylinder.

2,459,011

AMUSEMENT GAME APPARATUS

Harry E. Williams, Chicago, Ill.

Application June 3, 1947, Serial No. 752,135
4 Claims. (Cl. 273—88)



1. A mechanism for releasably supporting a rotatable figure simulating a baseball player for movement along the path of a member simulating a baseball diamond having an opaque area, comprising a rotatable disc member, means for rotating said disc member, an arm having one end portion pivotally connected to said disc member, a figure pivotally supported at the opposite end portion of the arm, a latch member pivotally carried by the disc member and having a latch head adapted to engage the pivoted end portion of said arm, spring means for releasably holding said arm in latched engagement with said latch head with said figure projected in the path of said diamond, and means for releasably moving said arm to dispose the latch head from latched engagement with said arm to permit said arm to pivot under the action of said spring means from a position within said path to a position to the rear of said opaque area.

2,459,012

ADJUSTABLE SHAFT STOP

Jay E. Barth, Pitman, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application September 30, 1947, Serial No. 777,075
7 Claims. (Cl. 74—52.6)

1. An adjustable stop for a shaft having an axis of rotation, said adjustable stop comprising a stationary arm mounted adjacent to said shaft and off-set from the axis of rotation thereof, a helical spring mounted about said axis and normally biased to engage said shaft for rotation therewith, an extending projection effectively connected to said spring in register with said stationary arm, and a second projection on an end of said spring and to which a force may be applied for temporarily relieving its biasing force upon said shaft whereby to permit of relative rotary movement of said shaft with respect to said

spring and thereby to alter the extent of the normal movement of said shaft about its axis by

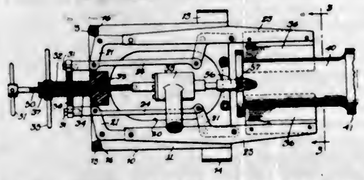
limiting the arc of movement of said extending projection with respect to said stationary arm.

2,459,013

REAMER CLAMP FOR RAILROAD CAR AXLES

Edward L. Bowen, McComb City, Miss.

Application April 14, 1947, Serial No. 741,402
3 Claims. (Cl. 77—13)



1. In a device of the class described, a clamping jaw, a rod supporting said jaw, means for supporting said rod for movement parallel to itself, and means for applying force to said rod which is always substantially at right angles to the length of the rod.

2,459,014

PROCESS FOR MAKING DIMETHYL TEREPHTHALATE

Robert M. Cavanaugh and James E. Lufkin, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 27, 1946, Serial No. 699,634
2 Claims. (Cl. 260—475)

1. The process for manufacturing dimethyl terephthalate, which comprises reacting terephthalic acid and methanol in the presence of sulfuric acid as a catalyst in a net amount greater than 1 and less than 10 times the amount of terephthalic acid by weight, introducing said sulfuric acid initially in relatively dilute form and carrying out the reaction at a temperature above the normal boiling point of methanol and at a gage pressure between 15 and 100 lb. per square inch.

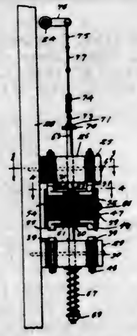
2,459,015

AUTOMATIC SWITCH

Clyde H. Clement, Phoenix, Ariz., assignor of one-half to Cleo R. Cox, Phoenix, Ariz.

Application August 14, 1945, Serial No. 610,771
1 Claim. (Cl. 200—142)

An automatic switch for use in connection with the shutter holding rod of a motion picture projection room comprising a pair of fixed insulated stationary bodies disposed in spaced relation one to the other, pairs of contacts carried by the confronting sides of said bodies, a movable circuit closing member disposed between said bodies, bridging contacts carried by one side of said member for engagement with the contacts of one of said bodies, oppositely disposed bridging contacts carried by the opposite side of said member for engagement with the contacts of said other body, a pair of slide bars fixed to said member and loosely engaging through said bodies, a connecting bar connecting the end of one bar



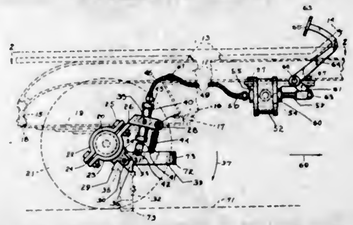
to the other bar, springs about said pair of bars outwardly of one of said bodies for constantly urging said member to move in the direction of the other of said bodies, elongated yieldable means connected between said connecting bar and said shutter holding rod for normally maintaining said member in a position with the bridging contacts on the first-named side thereof in engagement with the pairs of contacts of said other body and a fusible element interposed in said latter named means.

2,459,016

VEHICLE ANTISKID MECHANISM AND WHEEL JACK

Abe Cohen, Omaha, Nebr.

Application January 4, 1946, Serial No. 639,093
7 Claims. (Cl. 188—5)



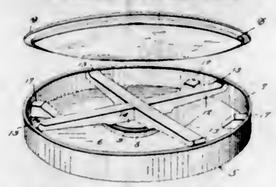
1. In a motor vehicle, a shackle disposed about the rear axle and adjacent a rear wheel of said vehicle, a crow having an end pivotally attached to said shackle to permit vertical swinging movements thereof, the free end of said crow being disposed beyond the extended outline of the tread of said wheel, a cylinder pivotally attached to said shackle for vertical swinging movements, a piston in said cylinder having a rod slidably disposed through an end of said cylinder, said end of said rod being pivotally attached to said crow between the ends of the latter, a spring for causing the free end of said crow to normally be above a roadway during use, a second cylinder attached

2,459,021

and the related portions of the perforated end

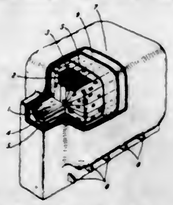
to the frame of said vehicle and having a second piston therein, a rod for said second piston slidably disposed through an end of said second cylinder, a flexible conduit between said cylinders, a liquid in said conduit between said pistons, and a lever having an articulated connection with said second piston for causing liquid under pressure to swing the free end of said crow into engagement with said roadway against the urge of said spring at times when said lever is actuated.

2,459,017
REVOLVING SERVING TABLE
Beatrice La Vonne Crew, Compton, Calif.
Application July 17, 1945, Serial No. 605,586
1 Claim. (Cl. 311—32)



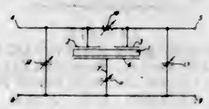
A rotary serving device for table use, embodying a stationary base, a wide annular flange rising from the base and providing a housing, a rotary support embodying cross arms, a bearing disc to which the cross arms are connected, pivotally mounted within the base, the arms being of lengths to extend to a point adjacent to the annular flange, upwardly curved ends formed on the arms and a tray having a body portion shaped to fit within the upwardly curved ends of the arms securing the tray against horizontal movement with respect to the arms.

2,459,018
METHOD OF COATING ELECTRICAL DEVICES
Robert W. De Monte, Glen Ridge, and Atwell B. Haines, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 22, 1945, Serial No. 584,064
4 Claims. (Cl. 117—75)



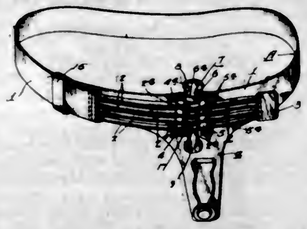
1. The method of forming a smooth adherent moisture-resistant coating on the external surface of an electrical device comprising a formed coil, which method comprises applying to the external surface of said device a coating of a polymerizable varnish comprising a solution of the reaction product of cashew nut shell oil and formaldehyde, drying and baking said coating at a temperature of about 270° F. for a time of about eight to ten hours, applying to said device a coating of a coating compound comprising said varnish and finely divided talc combined in such relative amounts that the weight of the finely divided talc is about 80 per cent to 90 per cent of the weight of the solid content of the varnish, drying the coating compound on said device at room temperature for a few hours, baking the coating compound on said device for a period of about five hours at a temperature of about 190° F. to 210° F., subsequently applying a final coating of said coating compound to said device, drying said final coating at about room temperature for a few hours, and then baking the final coating for a period of about ten to twelve hours at a temperature of about 190° F. to 210° F.

2,459,019
PIEZOELECTRIC CRYSTAL FILTER
Albert R. D'heedene, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 27, 1946, Serial No. 718,687
5 Claims. (Cl. 178—44)



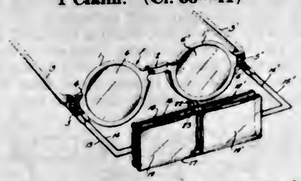
1. A band-elimination wave filter comprising a pair of input terminals, a pair of output terminals, a piezoelectric crystal which is resonant at a frequency within the attenuation band, and a resistor, said crystal having two electrodes associated with one face and a third electrode associated with the opposite face, said two electrodes being connected, respectively, to one of said input terminals and one of said output terminals, said third electrode being connected through a common shunt path to the remaining terminals, and said resistor being connected between said two electrodes associated with said one face and having a value to balance the resistance of said crystal in the neighboring of said resonant frequency.

2,459,020
FASTENER
William J. Dillenz, Philadelphia, Pa.
Application February 13, 1946, Serial No. 647,313
7 Claims. (Cl. 24—194)



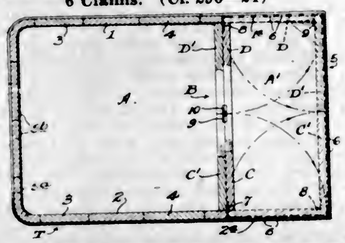
1. A fastening device comprising a body element, a plurality of flexible extension elements secured to one end of said body element and adjustable longitudinally relative to one portion of said body element, a plurality of laterally spaced strap elements secured to said body element and forming therewith spaced series of loops extending transversely across said extension elements, and a tapered element axially operable transversely of said extension elements intermediate said laterally spaced strap elements and between said body element and said extension elements.

2,459,021
BINOCULAR LOUPE
Moses Frommer, New York, N. Y.
Application November 10, 1944, Serial No. 562,816
1 Claim. (Cl. 88—41)



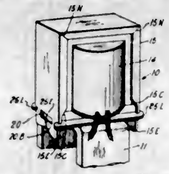
A binocular loupe comprising a spectacle frame formed of a pair of eye frames containing ophthalmic lenses, a nasal bridge extending therebetween and a temple pivotally mounted on each end piece of the eye frame remote from said bridge, the forward part of each end piece having a pair of horizontally and laterally disposed hinges thereon disposed coaxially on a horizontal axis, a set of bars pivotally mounted about said horizontal axis on the inwardly disposed hinges and supporting a frame between the free ends thereof for a pair of magnifying lenses, a set of bars of slightly greater length than said first-mentioned bars pivotally mounted about said horizontal axis on the outwardly disposed hinges and supporting a second frame between the free ends thereof for a second pair of magnifying lenses of different characteristics from said first set, said last-mentioned frames each being capable of positioning separately and together forwardly of the eye frames to obtain three different magnifying effects or above the eye frames into selectively inoperative positions.

2,459,022
CONVERTIBLE TRUCK BODY
William W. Gentry, Chickasha, Okla.
Application August 13, 1947, Serial No. 768,312
6 Claims. (Cl. 296—24)



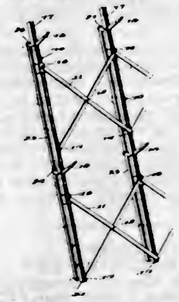
1. A convertible truck body, comprising a floor, side, top and end walls, said floor, top and one of the end walls being relatively imperforate, and said side walls including perforate and imperforate sections, the latter adjoining a perforate end wall, and a partition located at the junction of the imperforate and perforate sections of said side walls, said partition comprising pairs of hingedly connected door leaves, one leaf of each pair respectively connected to opposite inner portions of the side walls between said perforate and imperforate sections, and movable from a folded position transversely across the interior of the truck body, which position divides said body into closed and ventilated compartments, to a relatively extended position whereby the leaves of each pair respectively lie behind the perforate sections of the side walls and the related portions of the perforated end wall to close all perforate portions of the body and provide a single enclosed compartment.

2,459,023
TRANSFORMER MOUNTING
Wayne H. Gilman, Oak Park, Ill., assignor to Permoflux Corporation, Chicago, Ill., a corporation of Illinois
Application September 27, 1946, Serial No. 699,921
5 Claims. (Cl. 175—356)



1. In a transformer mounting, a transformer having rectangular laminations with exposed edges, a three sided mounting frame of channel-shaped cross section embracing three sides of the exposed laminations and embodying securing ears at the ends of the frame extending beyond the fourth side edge of said laminations, said securing ears having transverse slots formed therein so as to define transverse securing bars at the ends of said ears, a mounting plate having a pair of spaced lugs formed at each end thereof, said transformer being disposed on said plate with said fourth side edge of said laminations abutting one face of said plate and with the ears of said frame extending respectively between the pairs of lugs at opposite ends of said plate, said lugs being bent inwardly toward each other and over the related ears to hold the same against the ends of said plate and said securing bars being bent arcuately beneath the opposite face of said plate to hold said ears in position between said lugs.

2,459,024
FLORAL RACK
Charles O. Gipson, Elwood, Ind., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind., a corporation of Indiana
Application September 25, 1946, Serial No. 699,229
4 Claims. (Cl. 248—27.8)



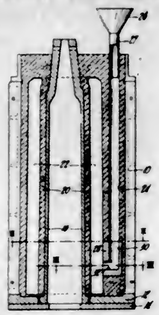
1. In a rack structure, a bar adapted to be erected in a substantially vertical position and rest at its lower end on a supporting surface, a prong pivotally mounted on said bar, and a rod connected to said prong rearwardly of the bar and of such a length as to engage said supporting surface at its lower end and swing the prong to an extended position.

2,459,025

ating the latch, a member movable to a first position in which the handle is operative for releasing

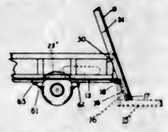
2,459,031
THREE-WAY RUPTURE TRUSS APPLIANCE
James A. Kiser, Hunsperford, Pa.

2,459,025
MOLD
Edwin A. Graham, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application June 3, 1944, Serial No. 538,636
2 Claims. (Cl. 22—134)



1. A mold of the character described comprising a body of sand having an upright mold cavity of great height therein to suit the size, shape and design of the casting desired, an upright sprue of great height in the mold body adapted to receive the molten metal to be cast, a brick of refractory material embedded in the sand body of the mold and having an upright passageway communicating with the lower extremity of the sprue and a laterally extending gate passageway opening into the mold cavity, the bottom surface of said gate passageway being a flat substantially horizontal plane from end to end.

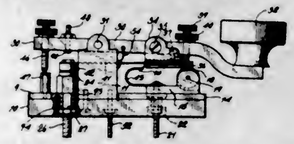
2,459,026
CAMPING TRAILER
Russell F. Hardy, Dayton, Ohio
Application April 10, 1944, Serial No. 530,343
12 Claims. (Cl. 296—23)



11. A trailer having a body portion and a member connected thereto, said connection including means intermediate said body portion and said member and pivotally connected to each thereof, said member and connection being so constructed as to be capable of acting alternately as a top for the trailer or as a floor in contact with the ground, and means on the body portion spaced from said connection to support the said member when it is being moved between its alternate positions.

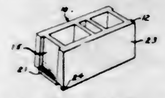
2,459,027
TELEGRAPH KEY
Charles M. Hayman, Brooklyn, N. Y.
Application June 7, 1945, Serial No. 598,065
17 Claims. (Cl. 178—102)

1. A key controlled circuit closer comprising a base provided with an upstanding support, a key bar fulcrumed to said support and provided at one end with a manually depressible finger piece, a swinging bracket pivoted to the key bar between its fulcrum and the finger piece and depending from the key bar, a contact lever having one end secured to the bracket, extending slightly forward from its fulcrum towards the finger piece and forming a stop lever and said contact lever having another arm formed mainly of a long, flat spring extending from front to rear beyond the key bar fulcrum and provided at its rear free end with a movable wiping contact, a roller bearing carried by the base, located in the path of movement of the stop lever as it is lowered by the depression of the finger piece and forms a rotatable stop about which the stop lever swings



as a fulcrum, a compression spring between the key bar and stop lever tending at all times to maintain the stop lever in pressing engagement to said bearing, and a fixed contact carried by the base disposed in the path of movement of the movable contact and coacting therewith to change the status of a circuit when the movable contact is actuated by the depression of the finger piece, said key bar, stop lever, roller bearing and movable and fixed contacts being disposed in a vertical plane.

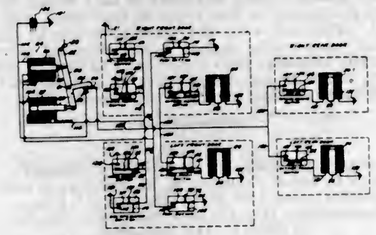
2,459,028
BUILDING BLOCK
Russell P. Hester, Chelsea, Okla.
Application September 5, 1946, Serial No. 694,906
2 Claims. (Cl. 72—41)



1. A concrete building block comprising upstanding inner and outer walls, opposite end walls extending from the top edge to the bottom edge of said inner and outer walls and spaced inwardly from the end edges thereof connecting said inner and outer walls together, a pair of spaced apart intermediate walls between said inner and outer walls and extending to the top edge thereof, a lip depending from the bottom edge of each of said end walls and extending below the bottom edge of said inner and outer walls, said lip being substantially the width of one-half the distance between said spaced apart intermediate walls, whereby the lips of adjacent blocks may be locked in the space between the spaced apart intermediate walls of the block below, and the outer side of said lips being coplanar with said end edges whereby the outer sides of the lips of adjacent blocks will be in substantial contact for closing the lower end of the chamber formed between the adjacent inwardly spaced end walls.

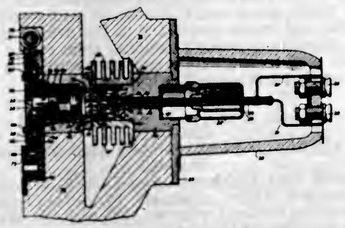
2,459,029
DOOR LOCKING SYSTEM
Jeannot G. Ingres and David T. Ayers, Jr., Richmond, Va., assignors to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey
Application April 17, 1946, Serial No. 662,870
19 Claims. (Cl. 70—264)

1. In a door locking mechanism wherein the door is provided with a latch, a handle for operating the latch, a member movable to a first position in which the handle is operative for releasing the latch, and to a second position in which the handle is inoperative for releasing the latch; means constantly biasing said member to said second position, a solenoid energizable for moving said member to said first position, a circuit



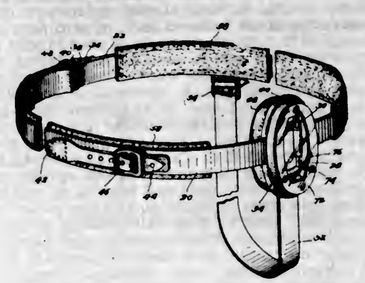
for said solenoid comprising a pair of switches in series, one of said switches being biased to closed position to move to such position upon initial operation of said handle to energize said solenoid if the other switch is closed, a push button operable solely for opening said other switch, and key-controlled means carried by the door for closing said other switch.

2,459,030
TUNABLE MAGNETRON
Herbert C. Jonas, Great Neck, N. Y., Joseph P. Laico, Springfield, N. J., and Victor L. Ronci, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1945, Serial No. 581,410
5 Claims. (Cl. 315—39)



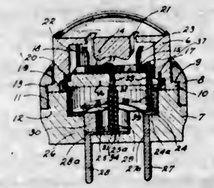
1. An electron discharge device comprising a first structure assembly including a body having a bore extending therethrough and a cylindrical anode within said bore and coaxial therewith, said anode having portions defining a plurality of tubular cavity resonators extending parallel to the axis of said anode, a cathode in cooperative relation with said anode, a second structure assembly including a hollow member joined to said body and having thereon a guide extending parallel to said bore, said second assembly including also a driving member located by said guide for movement in the direction parallel to said axis, a carrier fixedly coupled to said driving member and a plurality of tuning members, one for each of said resonators and extending therein, mounted by said carrier, and means coupled thereto for moving said driving member in said direction.

2,459,031
THREE-WAY RUPTURE TRUSS APPLIANCE
James A. Kiser, Hungerford, Pa.
Application April 27, 1945, Serial No. 590,549
1 Claim. (Cl. 128—95)



In a rupture appliance, the combination which comprises an elliptical shaped pad base having a correspondingly shaped concave buckle receiving recess in the rear surface, a comparatively shallow pad receiving recess in the opposite surface or face thereof and a continuous bead on the outer peripheral surface and spaced from the face, said face having strap receiving slots in the opposite sides and lower end thereof, a cover plate removably secured to the rear surface of said base and enclosing the concave recess therein, a buckle including a rectangular shaped link positioned in the concave recess in the rear surface of the base, laterally extended straps attached to the sides of the link and positioned in the slots in the sides of the base, means adjustably connecting the ends of the straps, thereby forming a belt, resilient pads on the inner surfaces of the straps, an understrap connected to the lower end of the said link, extended through the slot in the lower end of the base, and adjustably connected to the belt at a point spaced from the pad face, and a removable resilient cup-shaped cover positioned on the face of the pad base with the sides thereof contracted over the continuous bead on the outer peripheral surface of the base.

2,459,032
ELECTRICAL CONNECTOR
William J. Korth, Cleveland, Ohio, assignor of one-half to Sam W. Levine, Cleveland, Ohio
Application October 3, 1946, Serial No. 700,848
2 Claims. (Cl. 173—324)



1. In a device of the character described, two hollow molded dielectric shell members adapted to be mounted with their hollow portions opening toward each other and detachably joined together for relative rotation about a common axis, a cross member secured to one of said shell members, contacts carried by said cross member on the inner face thereof to make electrical

connection with the prongs of a male plug con-

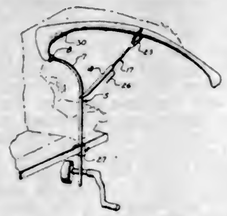
er stems pivotally connected at their upper ends

ly thereof, said resilient means including sealing

2,459,038
COMBINED TOY RAILROAD AND SOUND

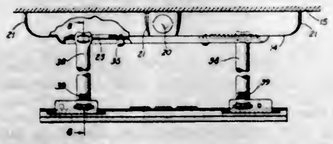
connection with the prongs of a male plug connecting device entering into said one hollow shell, two guideways formed in said cross member, one extending along the axis of rotation of said shell members and the other parallel thereto, pins slidably carried in each of said guideways, electrical connections between each of said pins and through said contacts to each of said prongs respectively, a shield of insulating material enclosing substantially the whole free length of the axially extending pin, a terminal in one plane of said other shell and in alignment with said axially mounted pin, an annular terminal ring mounted in another plane of said other shell spaced from said first plane and adapted to encircle said axially mounted pin, coil springs encircling each of said pins and bearing at one end against said cross member and at the other end against said pins to urge said axially mounted pin into electrical contact with said terminal and said other pin into electrical contact with said terminal ring, and electrical connector prongs integral with said terminal and terminal ring respectively and passing through said other shell to the exterior thereof for engagement with a female plug socket.

2,459,033
ARM SUPPORT FOR USE ON SURGICAL OPERATING TABLES
Alvin R. Kraus, North Hollywood, Calif.
Application March 30, 1948, Serial No. 17,915
7 Claims. (Cl. 311—10)



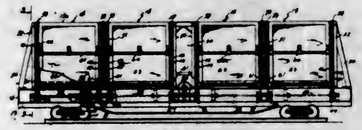
1. In an arm support including an upright member secured to an operating table, a cradle shaped arm support pivotally secured to said upright member to provide a fixed pivotal support, said arm support being long enough to support an entire arm, and means between said upright member and said arm support for adjusting the elevation of said arm support about said fixed pivotal support, said means being detachable from said arm support.

2,459,034
HANGER
Michael Henry Kruger, Malden, Mass., assignor to A. L. Smith Iron Company, Chelsea, Mass., a corporation of Massachusetts
Application October 4, 1946, Serial No. 701,137
10 Claims. (Cl. 248—343)



1. In a hanger for a lighting fixture, the combination of a bracket attached to a ceiling, hanger stems pivotally connected at their upper ends to said bracket, a main plate having openings therein, a plurality of small plates having main openings therein registering with the openings in said main plate and pivotally positioned adjacent the lower face of said main plate, said small plates having wings extending upwardly through the openings in said main plate, said small plates having openings in said wings, and nuts positioned in the wings of said small plates and registering with the main openings in said small plates, said stems having external screw threads adjacent their lower ends to receive said nuts, the nuts movably anchoring said stems to said wings in turn to support said main plate.

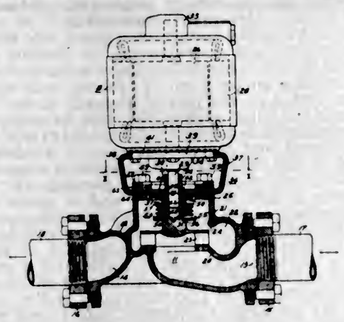
2,459,035
FREIGHT CAR WITH DUMPING BODY
Henry C. Lima, Flushing, N. Y., assignor of one-fourth to Max W. Davis, Bridgeport, Conn.
Application May 30, 1944, Serial No. 538,014
2 Claims. (Cl. 105—273)



1. A dumping car comprising a supporting structure, a plurality of containers mounted on said structure, means mounting each container to swing toward either side of the car from an upright intermediate position so as to dump the container at either side of the car, mechanism on the structure for swinging each individual container in either direction to dump the container comprising a longitudinal shaft, means for operating said shaft, secondary shafts operated at times by the first shaft, clutch means for controlling the operation of the secondary shafts by said longitudinal shaft, drums on said secondary shafts, and cables connected to the drums and to the opposite, laterally extending sides of the container and to the supporting structure to swing the container in opposite directions.

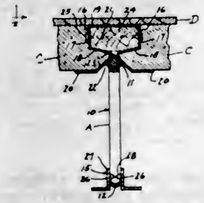
2,459,036
COMBINED PUMP MEANS AND MOTOR MEANS
Bruce R. Lipe, Cincinnati, and Earle E. Schroeder, Norwood, Ohio, assignors to Allis Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application July 8, 1947, Serial No. 759,498
3 Claims. (Cl. 103—87)

1. Pumping apparatus, comprising: a motor having a stator, a rotor, and a bearing mounted on said stator for supporting said rotor; pumping means comprising a housing having an opening in a side thereof and an impeller within said housing; means for connecting said impeller to said rotor, said connecting means extending through said opening to said impeller; means for supporting said stator on said opening side of said housing comprising a pedestal interposed between said housing and said stator; retaining means cooperating with said housing for fastening said pedestal to said housing; resilient means interposed between said pedestal and said housing and between said pedestal and said retaining means whereby said stator and said pedestal and said impeller may vibrate laterally and longitudinally relative to said housing and independently thereof, said resilient means including sealing means cooperating in liquid sealing relation with said pedestal and with said housing for closing said opening in said housing, and further sealing



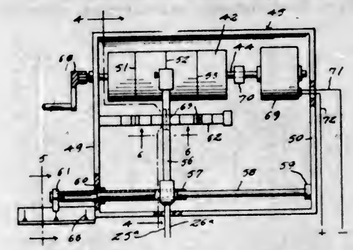
means cooperating in liquid sealing relation with said connecting means and said pedestal at a place between said bearing and said impeller, while leaving said impeller free to vibrate laterally relative to said pedestal.

2,459,037
JOIST
Samuel F. McIntosh, Scarsdale, N. Y.
Application September 6, 1945, Serial No. 614,699
3 Claims. (Cl. 189—40)



1. In a structural joist, a web consisting of a bar bent at longitudinally spaced points into undulating formation to provide upper and lower longitudinally spaced reversely curved upper and lower portions joined by diagonally extending straight portions, upper and lower chords extending longitudinally of said web and secured to said curved portions respectively, said upper chord consisting of oppositely disposed mating members each including a longitudinally extending upper wall portion, a longitudinally extending inturned lower wall portion and longitudinally extending top and bottom horizontally disposed flanges projecting inwardly and outwardly respectively at the upper and lower edges of said wall portions, said mating members being disposed on opposite sides of the web with the inturned lower wall portions thereof secured to opposite sides of the upper curved portions of the web to thereby provide a longitudinally extending upwardly opening channel between said mating members and a longitudinally extending nailing strip arranged in said channel with the inwardly directed flanges thereof overlying opposite longitudinal edges of said nailing strip to thereby provide means for securing a wooden flooring upon a concrete floor supported by said outwardly directed lower horizontal flanges.

2,459,038
COMBINED TOY RAILROAD AND SOUND PRODUCING MEANS THEREFOR
Joseph H. McKnight, Pittsburgh, Pa.
Application February 25, 1946, Serial No. 649,877
1 Claim. (Cl. 274—17)

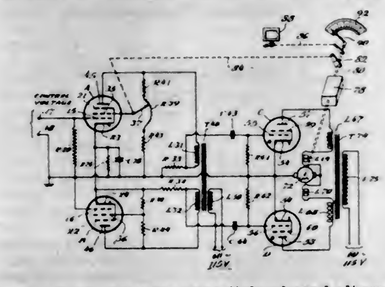


A sound producing means comprising an enclosed housing including top, bottom, front, rear and side walls, a platen rotatably carried by said housing and having a driving connection with an electric motor mounted on said bottom wall, a record on said platen formed with a plurality of spaced apart sound tracks, a sound pickup means including an arm of triangular cross section for a portion of its length, a pickup member carried by said arm, and rockable supporting means for said arm, said supporting means including a supporting bar fixed relative to said housing and formed with a plurality of spaced notches, corresponding to the spaced apart sound tracks on said record, with oppositely inclined ridges between said notches in a selected one of which said triangular portion of said arm is adapted to engage, a pair of horizontally telescoping members, the inner member being fixedly carried by said housing and the outer member at one end thereof being fixed to said arm and having rotatable and slidable engagement with said inner member and said housing, the opposite end of said outer telescoping member extending through a side wall of said housing and having a combined operating crank arm and indicating pointer fixedly attached thereto at right angles to said arm, a plate, having indicia corresponding to said spaced apart sound tracks, attached to the side wall through which said outer member extends and disposed substantially below said indicating pointer whereby an external indication is had of the sound track with which said pickup member is in engagement.

2,459,039
AUTOMATIC POSITIONING APPARATUS
Joseph O. Mesa, Bayside, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 26, 1945, Serial No. 601,692
5 Claims. (Cl. 318—28)

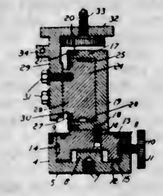
1. In an apparatus for positioning a part in response to a varying control voltage, the combination of a pair of thermionic electron discharge devices each having a cathode, control grid, screen grid, and anode or plate; common self-bias means connected to the cathodes of said devices; an output circuit for each of said devices; circuit means for maintaining the control grids of said devices at the potential difference of the control voltage; a common self-bias resistor connected to the cathodes of said devices; means for impressing oppositely phased alternating plate voltages on the respective output circuits of said devices; means for adjusting the potential of the

screen grid of one of said devices relative to its cathode; a pair of thyratrons, each having a cathode, control grid, and plate; means for coupling the plates of said devices to the control grids of said thyratrons so as to have the voltages thereon vary inversely with reference to the plate current flow through said devices respectively;



means for impressing oppositely phased alternating voltage on the plates of said thyratrons; a reversible motor for moving the part to be positioned and having oppositely phased field windings respectively in the plate circuits of said thyratrons; and means mechanically coupled to said motor for varying the position of said screen potential adjusting means.

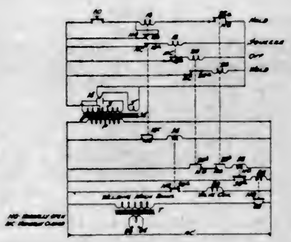
2,459,040
TRIPOD HEAD
Eric Miller, Rose Bay, near Sydney, New South Wales, Australia
Application November 12, 1947, Serial No. 785,397
In Australia December 5, 1946
5 Claims. (Cl. 248—183)



1. A tripod head consisting of two members each rotatable in a cylinder, one said cylinder having means whereby it is affixed to a foundation and the member therein being affixed to the wall of the other cylinder, the other said member constituting a mounting for a machine; both said cylinders being charged with a liquid which surrounds the members.

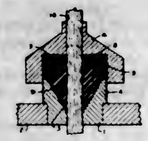
2,459,041
AUTOMATIC TIMING DEVICE
William H. Mitsch, Wheeling, W. Va.
Application February 9, 1946, Serial No. 646,674
2 Claims. (Cl. 171—97)

1. An electric sequence timer system, comprising a D. C. control circuit, an A. C. power circuit, a transformer including a primary winding connected in said power circuit and a secondary winding in said control circuit, a rectifier connected to and between said secondary winding and said control circuit to supply D. C. to the latter, a plurality of electromagnetic relays connected in said control circuit, a plurality of electromagnetic switches connected in said power circuit, and a manually operated switch connected in said control circuit, one of said relays having its winding connected in series with said switch and a pair of normally open contacts in series with said winding and shunted about said switch, a second of said relays having its winding connected in said control circuit and in parallel with the winding and contacts of said one relay and in series with a second pair of normally closed contacts of the latter, said second relay having a pair of normally closed contacts connected in said control circuit and in parallel with its winding, a third of said relays having its winding connected in said control circuit and in parallel with the winding of said second relay and in series with the contacts of the latter, said third relay having a pair of normally closed contacts connected in said control circuit and in parallel with its winding, a fourth of said relays having its winding connected in said control circuit and in parallel with the winding of said third relay and in series with the contacts of the latter, said fourth relay having a third pair of normally open contacts connected in said control circuit and in series with the winding of said one relay, said one relay having a third pair of normally open contacts connected in said power circuit and in parallel with the primary winding of said transformer,



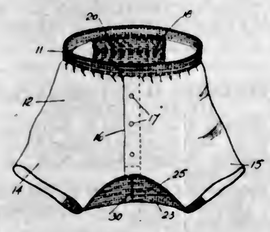
one of said electromagnetic switches having its winding connected in said power circuit in series with said third pair of contacts and having a pair of normally open contacts also connected in said power circuit and in parallel with its winding and in series with the winding of an electromagnetic device for the operative control thereof, said third relay having a second pair of normally open contacts connected in said power circuit and in parallel with the winding of said one electromagnetic switch and in series with a second pair of normally open contacts of said fourth relay and the winding of a second of said electromagnetic switches, said second electromagnetic switch having a pair of normally open contacts connected in said power circuit and in parallel with its winding and in series with the winding of a third electromagnetic switch, said one electromagnetic switch having a pair of normally open contacts connected in said power circuit and in parallel with its winding, said third electromagnetic switch having a pair of normally open contacts connected in said power circuit and in parallel with its winding and in series with the primary winding of an output transformer, whereby, upon the momentary closing of said manually operated switch, the windings of said relays and said electromagnetic switches will be sequentially energized to perform their respective functions through a single cycle of operation.

2,459,042
CAPILLARITY CONTROL MEANS
David T. Nave and Raymond L. Sullivan, Los Angeles, Calif.
Application August 11, 1947, Serial No. 768,026
2 Claims. (Cl. 67—53)



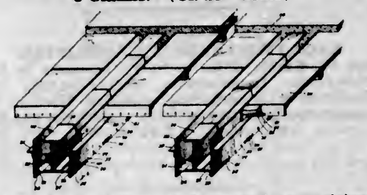
1. A container for fuel or other liquids having a fitting, a wick fed through said fitting for delivering liquid by capillarity from said container, said fitting comprising a bushing fixed in the container and having an upstanding externally threaded neck portion, said bushing having an upwardly opening conical socket terminating at its lower end in a cylindrical opening for the passage of the wick, a second bushing having a central opening therein and a depending internally threaded annular flange threadedly engaged with the threaded wick on the first named bushing and a ball-shaped compressible gasket between said bushings and being smaller than the normal chamber space between the bushings and having an opening therethrough for the passage of the wick and adapted to be compressed when the second named bushing is screwed into the first named bushing for squeezing that portion of the wick extending therethrough and thereby control capillarity of the wick.

2,459,043
GARMENT
Paul Owenby and Frank Owenby, Marietta, Ga., and Joseph A. Sacks, New York, N. Y.
Application December 8, 1945, Serial No. 633,694
1 Claim. (Cl. 2—224)



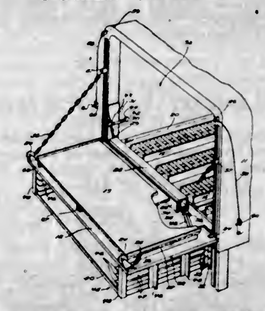
A garment, comprising a non-stretchable woven body portion having two leg openings, a knitted insert connected to said body portion at the rear of said garment and stretchable in the longitudinal direction, said insert extending the full length of the rear of said garment, a knitted crotch portion extending from the seat portion between said leg openings of the garment to a point at the front of the garment and secured to said body portion and said insert, said crotch portion being stretchable in the transverse direction, and transversely stretchable leg inserts secured to said crotch portion and said body portion and extending between said leg openings and said crotch portion.

2,459,044
CONSTRUCTION FORM FOR CONCRETE FLOORS
Joseph J. Pirz, Flushing, N. Y.
Application March 13, 1947, Serial No. 734,340
3 Claims. (Cl. 25—131.5)



2. A concrete form and support comprising in combination a supporting beam, an inverted channel disposed in substantially parallel relation beneath said supporting beam, side walls disposed against the outer faces of the channel flanges and extending upward above the channel web to provide therewith a trough to receive the concrete, a suspension wire hung over the supporting beam and passing downward through the channel web and looped outward through recesses in the channel flanges and the adjacent side wall, and pins in the loop portions of said suspension wire outside said side walls to lock the members in assembled relation.

2,459,045
LOADING AND UNLOADING APPARATUS FOR VEHICLES
George H. Pride, New York, N. Y.
Application April 25, 1947, Serial No. 743,937
9 Claims. (Cl. 214—65)

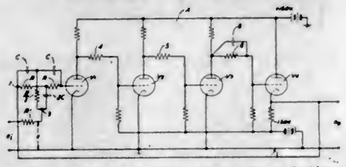


1. Load handling means comprising a vehicle body having a bottom, a tailgate connected to the rear end of said body, a plurality of substantially flat, separately and independently horizontally-movable floor elements of relatively thin material adapted to be supported by said bottom in a series extending longitudinally of said body, shifting means for horizontally moving said floor elements separately, longitudinally of said body from said tailgate onto said bottom and vice versa, an elongate abutment bar carried by said body at the latter's rear end and movable from an inactive position clear of the path of such movement of said floor elements and loads thereon to an active position wherein said bar extends horizontally transversely of and above the said path of movement of said floor elements but in the path of movement of such a load on a floor element, and mechanical means for moving said abutment bar from its said inactive to its said active position;

to the latter, a plurality of electromagnetic relays operation.

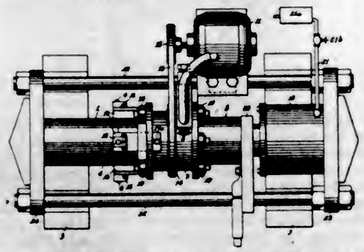
the said shifting means being adapted to pull a said floor element from said tailgate, horizontally toward the forward end of said body while said abutment bar prevents such forward movement of a load on the latter floor element.

2,459,046
NEGATIVE FEEDBACK AMPLIFIER
John W. Rieke, Astoria, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1946, Serial No. 644,271
8 Claims. (Cl. 179—171)



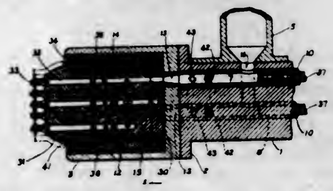
1. A frequency selective wave translating system comprising a wave source, an amplifier, a negative feedback path from the amplifier output circuit to the amplifier input circuit, and a three-terminal resistance-capacitance network included in said path with one terminal connected to a point of the amplifier output circuit, a second terminal connected to a point of the amplifier input circuit, the third terminal connected through said source to a common point of the amplifier output and input circuits of potential different from the potentials of the two first-mentioned points, and the attenuation of said network for transmission therethrough from said first and third terminals to said second and third terminals having a peak value at a prescribed frequency with lower values at lower and higher frequencies.

2,459,047
METHOD AND APPARATUS FOR ELECTRIC ARC WELDING
Paul B. Scharf, Bradford, Pa., assignor to Dresser Industries, Inc., a corporation of Pennsylvania
Application March 25, 1944, Serial No. 528,049
18 Claims. (Cl. 219—10)



9. The method of welding together the abutting end surfaces of electrically conductive cylindrical sections which comprises striking and maintaining an electric arc between an arcing element and the end portions of said sections while effecting rapid relative rotation between said sections and element at a rate of speed sufficiently high to cause the arc to move by jumps from spot to spot along a narrow path extending around the circumference of said section, producing areas of high current concentration at said spots and heating a narrow band of material adjacent said weld surfaces concurrently throughout its entire circumferential extent, continuing said arcing and rotation until said surfaces are heated throughout to welding temperature and pressing said surfaces together to effect a weld.

2,459,048
MOLD INJECTION HEAD
Benjamin Schwartz and Eugene H. Schwartz, Brooklyn, N. Y.
Application April 25, 1946, Serial No. 664,804
12 Claims. (Cl. 18—30)



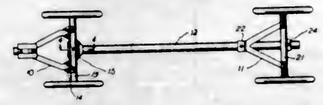
1. A mold injection head comprising a casting having a plurality of spaced channels formed therein and extending therethrough, a plurality of reservoirs supported on said casting, each of said reservoirs having an opening in its bottom, said casting having openings communicating with the openings in said reservoirs, a plunger in each of said channels, a hollow shell having a closed base at its inner end and an open outer end secured to one end of said casting and forming an extension thereof, the base of said shell having openings communicating with the channels in said casting, a cylinder within the shell having main passages extending longitudinally therethrough and communicating with the channels in the casting through the openings in the base of the shell and having secondary passages leading to the outer end of the cylinder and with branch passages connecting the main passages with the respective secondary passages and a head member in the outer end of said shell having passages extending therethrough and communicating with the passages in the cylinder.

2,459,049
PHOTOCHEMICAL CHLORINATION OF HYDROCARBONS
James S. Sconce and Arnold N. Johnson, Niagara Falls, N. Y., assignors to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Original application November 22, 1943, Serial No. 511,344. Divided and this application May 4, 1946, Serial No. 667,474
5 Claims. (Cl. 204—163)

1. The process for photochemical vapor phase chlorination of paraffinic hydrocarbons of three to seven carbon atoms to yield predominantly the monochloride substantially free from decomposition and secondary reaction products which com-

prises; (a) continuously forming, in darkness and at a temperature below 120° C., a mixture consisting substantially of gaseous chlorine and the vaporized hydrocarbon, in which the proportion of chlorine is below the range within which such mixtures, when activated, react violently, and not more than one half by volume; (b) causing the mixture to flow vigorously through a reaction zone irradiated by actinic light and simultaneously withdrawing heat to limit the temperature during the ensuing reaction to between 200° and 400° C., to yield chiefly the monochloride; (c) continuously deactivating the reaction mixture by causing it to flow through a darkened zone, and there cooling it to below 120° C.; (d) continuously adding to the stream of deactivated mixture more chlorine, in amount resulting in a mixture with the residual hydrocarbon in which the proportion of chlorine is still below the range of violent reaction, and not greater than that of the hydrocarbon by volume; and (e) treating the augmented mixture in accordance with step (b) to yield more of the monochloride.

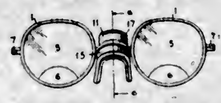
2,459,050
RUNNING GEAR ASSEMBLY FOR TRAILER WAGONS
Kenneth L. Smith and Elmo D. Smith, Eufaula, Okla.
Application August 16, 1946, Serial No. 691,020
2 Claims. (Cl. 280—132)



1. A wagon construction comprising a front axle having wheels thereon and of hollow formation with an opening in the rear face thereof, a front hound connected to the front axle and adapted to receive a tongue, a rear axle having a sleeve formation extending rearwardly thereof, a rear hound extending forwardly of the rear axle and having a sleeve formation, a reach pole extending through the sleeve formation of the rear axle and the rear hound, a half circular guide member extending through the opening of the front axle with its straight edge in alignment with the front portion of the axle and having an opening from the top to the bottom, said reach pole having its end extending into the guide member and having an opening adapted to be aligned with the opening of the guide member, a bolster mounted on the top of the front axle, a bolster mounted on the top of the rear axle, and a king pin extending downwardly from the bolster of the front axle through the front axle, the guide member and the opening in the forward end of the reach pole lying within the guide member.

2,459,051
TEMPORARY LIFT FOR BIFOCAL SPECTACLES
Earl K. Smith, Montrose, Pa.
Application February 19, 1947, Serial No. 729,425
3 Claims. (Cl. 88—51)

1. As a new article of manufacture, a temporary support for bifocal spectacles comprising a self-sustaining arched lift member to be applied onto the bridge of the nose of the wearer at the zone at which the spectacles normally rest on the nose so that the spectacles will rest on the lift member, said lift member being wholly independent of the spectacles but substantially conforming to the transverse shape of the nose and extended over a substantial area lengthwise thereof,



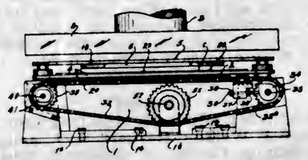
and said lift member varying in thickness in at least two zones for selective supporting engagement with spectacles of different types, whereby to elevate the spectacles above the position normally occupied when resting directly on the nose.

2,459,052
SIZED GLYCOL TEREPHTHALATE YARN, PROCESS, AND COMPOSITION FOR PRODUCING SAME
Richard James Smith, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 27, 1947, Serial No. 737,727. In Great Britain March 29, 1946
4 Claims. (Cl. 117—138.8)

1. A process for sizing multifilament yarns of a linear polyester of a terephthalic acid and a glycol of the series $HO(CH_2)_nOH$ where n is an integer from 2 to 10 inclusive, which comprises impregnating said yarns with an aqueous solution of a partially hydrolyzed polyvinyl acetate having a saponification number of from 10 to 300, and a water-soluble resin obtainable by the condensation of an alkylolurea with formaldehyde, said polyvinyl acetate and said water-soluble resin constituting from 2% to 12% by weight of said solution.

3. A solution for sizing yarn of a linear polyester of terephthalic acid and a glycol of the series $HO(CH_2)_nOH$ where n is an integer from 2 to 10 inclusive, which consists of 6% by weight of a partially hydrolyzed polyvinyl acetate having a saponification number of 140, 6% of the water-soluble condensate from N-ethanol urea and formaldehyde, and 88% of water.

2,459,053
SELF-CONTAINED DIE SET WITH AUTOMATIC STAMPING AND/OR PUNCHING REMOVING MEANS
Charles Henry Tauser, Venita Park, Mo., assignor to McDonnell Aircraft Corporation, St. Louis, Mo., a corporation of Maryland
Application April 21, 1947, Serial No. 742,946
15 Claims. (Cl. 164—118)



15. A die set comprising vertically movable punch and die members, a wiper member for removing from beneath said members stampings and punchings produced thereby, a fluid pressure cylinder, a piston working in said cylinder and operatively connected to said wiper member for imparting a horizontally reciprocating movement thereto, a self-closing valve for admitting fluid

pressure to said cylinder for reciprocating the piston therein, and means operated by the movement of said die set for opening said valve after each complete operation of said die set, said means including a first lever for opening said valve, a spring-actuated second lever for moving said first lever to valve opening position, a member for locking said first lever in valve opening position, a lower spring-supported plunger normally holding said second lever in inoperative position, an upper spring supported plunger operable by the downward movement of said die member to move said lower plunger downwardly clear of said second lever and to hold the latter in an inoperative position relative to said first lever while permitting limited movement of said second lever in an operative direction, a member releasable by such limited movement of said second lever for locking said lower plunger in down position, said upper plunger being adapted to move upwardly when said die plate ascends and thereby permit said second lever to move said first lever to valve opening position, and means operable by the movement of said piston for releasing said first lever locking member and for returning said second lever to inoperative position, said return movement of said second lever permitting said lower plunger locking member to return to inoperative position and said lower plunger to return to its position for holding said second lever in inoperative position.

2,459,054

FATTY ACID SEPARATION

Charles C. Towne, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application July 17, 1945, Serial No. 605,610
3 Claims. (Cl. 260—419)

1. In the fractional separation of a higher fatty acid mixture comprising oleic and linoleic acids substantially free from saturated acids, the method which comprises extracting said mixture with a low boiling aliphatic ketone in an extraction zone at a temperature in the range of about 70 to 150° F., forming as a result of said extraction, an extract phase rich in linoleic acid, and a raffinate phase in which linoleic acid ranges from about 5 to 25% of the oleic acid present therein, and containing a relatively small proportion of solvent, separately removing said phases, adding an additional quantity of said solvent to remove raffinate phase thereby forming a mixture comprising about 1 volume of unsaturated fatty acid and about 3 to 4 volumes of solvent, chilling the resulting mixture of raffinate phase and solvent to about minus 60° F. to precipitate oleic acid in substantially pure form, filtering chilled raffinate phase to remove precipitated acid as a filter cake, and forming a filtrate comprising solvent and residual linoleic acid, removing said filter cake and recycling resulting filtrate to said extraction zone.

2,459,055

BUFF AND METHOD OF MAKING THE SAME

Lawrence J. Walling, Keyport, N. J., assignor of one-fifth to Charles R. Stoddard, New York, and one-fifth to Robert Harding, Jr., Elmsford, N. Y.

Continuation of application Serial No. 158,598, August 11, 1937. This application April 28, 1947, Serial No. 744,356
10 Claims. (Cl. 51—193)

1. The method of making a buff which comprises interlacing a plurality of strands of buffing material to form a seamless tube, contracting the center of said tube to decrease the diameter thereof, and expanding the ends of said tube and

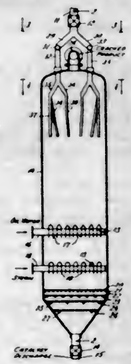
bringing them together to form a substantially flat disc.

2,459,056

GAS-SOLID CONTACTING APPARATUS

Kenneth M. Watson, Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application December 31, 1945, Serial No. 638,533
1 Claim. (Cl. 23—288)



In a vertical shaft chamber for contacting a granular solid of varying particle size with an aeriform fluid, the granular solid being passed downwardly through the chamber, the combination with baffling means in the lower portion of the chamber for maintaining the rate of downward flow of the granular solid substantially uniform across the chamber, of a system of tubes associated with the upper portion of the chamber for distributing the fine and coarse particles of the granular solid uniformly over a horizontal section of the chamber, said system of tubes being characterized in that each tube in the system is disposed, if not vertically, at an angle of inclination greater than 45° and in that it comprises together with a primary tube connected with a source of supply of the granular solid, an even number of terminal tubes therebelow and mediately connected thereto the lower ends of which are in substantially the same horizontal plane and constitute ports opening to the chamber and serving substantially equal areas thereof, each of said terminal tubes representing one of two branching arms of a tube thereabove, that tube being one of a group of tubes above the terminal tubes, each tube in such group representing one of two branching arms of a tube thereabove, that tube in turn being one of a group of tubes above the group of tubes above the terminal tubes, and so on until the number of tubes in a group is two, both being branches of the primary tube, said system of tubes being further characterized in that the length of each tube below a point of

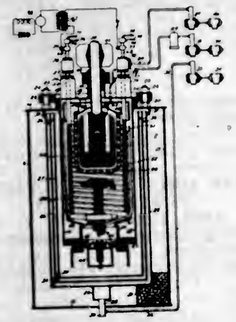
branching is at least equal to three times its diameter and in that the tubes representing branching arms of a tube thereabove in addition to forming equal angles with the horizontal form equal angles with such tube in all planes.

2,459,057

VAPOR ELECTRIC DEVICE WITH COOLING COIL SERVING AS HEATING RESISTOR

Harold Winograd, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application February 6, 1948, Serial No. 6,716
20 Claims. (Cl. 250—27.5)



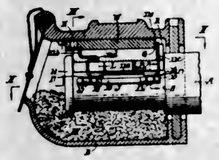
1. In combination, an electric valve comprising an evacuated casing and conductive elements disposed within said casing, conducting means for cooling said valve disposed within said casing adjacent to said elements, and means including a source of current connected to said conducting means for the heating thereof to heat said elements of said electric valve to expel occluded gases therefrom.

2,459,058

WIPER DEVICE FOR CAR AXLE JOURNALS AND THE LIKE

Ernest Armstrong, Camden, N. J.

Application February 19, 1944, Serial No. 523,104
7 Claims. (Cl. 308—89)



1. A wiper device for a car axle journal box wherein a wedge plate is interposed between the top wall of said journal box and a bearing plate resting on the journal, said device comprising a pair of wiper bars adapted to bear longitudinally against opposite sides of the axle journal at a level below the bearing plate; and a supporting frame having transverse yoked end portions for respectively engaging over the opposite ends of the bearing plate and abutting end surfaces of the wedge plate, and longitudinal side portions between the yoked end portions from which the wiper bars are hung.

2,459,059

METHOD FOR PREPARING ALKYL ACYLOXY ACRYLATES

Robert D. Babson, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 12, 1946, Serial No. 683,143
2 Claims. (Cl. 260—484)

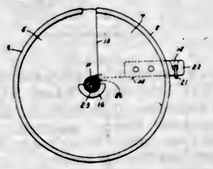
1. The process which comprises reacting, in dialkyl ether solution, an alkyl α-metallo-formyl-acetate with a lower aliphatic carboxylic acid halide, directly neutralizing the reaction mixture to a pH of approximately 7 and recovering the corresponding alkyl β-acyloxy-acrylate from said neutralized reaction mixture.

2,459,060

RAT GUARD

Ean Lee Bush, San Francisco, Calif.

Application November 20, 1945, Serial No. 629,751
11 Claims. (Cl. 114—221).



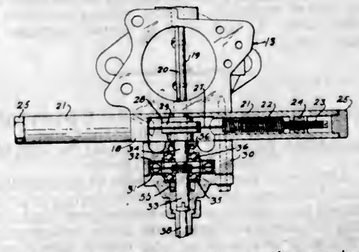
1. A rat guard of the character described for mooring lines and the like, comprising a pair of superimposed discs rotatable relatively to one another, said discs having substantially radial aligned slits extending from the axis of relative rotation to the peripheries of the respective discs, the central end of each slit being adapted to fit over a portion of the periphery of said line, and said central ends of said slits complementing one another to surround said line when said discs are turned to shift said slits from said aligned position to an angularly offset position, and releasable means to hold said discs in said offset position.

2,459,061

GOVERNOR

Irven E. Coffey, Normandy, Mo.

Application September 28, 1944, Serial No. 556,252
7 Claims. (Cl. 123—108)



1. In an internal combustion engine, an induction conduit, a governing valve of the butterfly type mounted in said conduit, spring means applied symmetrically to the valve shaft and urging said valve open, a housing on said conduit and receiving an end of said shaft, a fluid coupling in said housing and comprising centrifugal impeller and driven wheels, said driven wheels being carried rigidly by said valve shaft, and an operative

bers, crutches carried by said side members, a

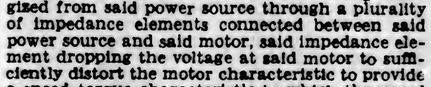
2,459,068

prises interlacing a plurality of strands of buffing material to form a seamless tube, contracting the system of tubes being further characterized in that the length of each tube below a point of

connection between said impeller wheel and a rotating part of the engine for applying closing force to said driven wheel and valve in proportion to the speed of the engine.

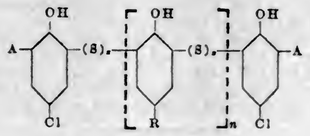
2,459,062
QUATERNARY AMMONIUM COMPOUNDS
Elmer W. Cook, New York, N. Y., and Philip H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 8, 1944, Serial No. 521,588
5 Claims. (Cl. 260—404.5)

1. A germicidal composition containing as an effective germicidal agent the quaternary ammonium compound of the following formula



2,459,063
DIVALENT METAL SALTS OF HALOGEN SUBSTITUTED PHENYLOL SULFIDES
Elmer W. Cook, New York, N. Y., and Philip H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 9, 1946, Serial No. 668,457
3 Claims. (Cl. 260—429)

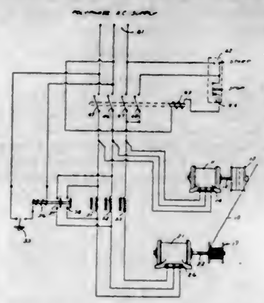
1. A salt of a halogenated polyphenol sulfide having the formula:



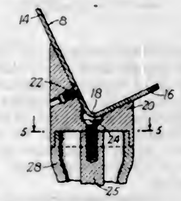
with a divalent metal of the group consisting of zinc, copper, calcium, barium, mercury, iron, and magnesium and wherein A is a member of the group consisting of hydrogen and halogen, R is a member of the group consisting of halogen and lower alkyl radicals, x is a whole number not greater than 2, and n is a whole number not greater than 8.

2,459,064
ELECTROMECHANICAL DRIVE SYSTEM
Ralph L. Davis, Wallingford, Conn.
Application January 5, 1946, Serial No. 639,447
7 Claims. (Cl. 318—6)

7. Apparatus for reeling a wire at substantially constant tension, said apparatus having a predetermined maximum power requirement and comprising a polyphase induction drive motor and a polyphase power source, said motor being energized from said power source through a plurality of impedance elements connected between said power source and said motor, said impedance element dropping the voltage at said motor to sufficiently distort the motor characteristic to provide a speed-torque characteristic in which the speed is inversely proportional to the torque over wide ranges, said motor having a normal power rating substantially in excess of said predetermined maximum power requirement, said polyphase induction drive motor having a rated normal operating voltage substantially equal to the voltage of said power source.



2,459,065
PLATTER AND PLATTER SUPPORT FOR POSTAL SCALES
Robert A. Dohl, Rochester, N. Y., assignor to Commercial Controls Corporation, a corporation of Delaware
Application December 7, 1945, Serial No. 633,293
4 Claims. (Cl. 265—73)



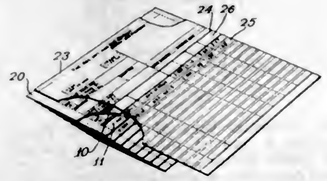
3. In postal scales, the combination of, a generally cylindrical base member having a vertical axis and also having a peripheral skirt on its lower end and a horizontal groove at its upper end formed by a first surface in a plane which is substantially thirty degrees from the horizontal and a second surface in a plane which is substantially sixty degrees from the horizontal, a cap-plug axially positioned with respect to said base member at the lower end thereof, a screw extending axially through said base member and threaded into said cap-plug, an adapted head which forms part of a balancing arm and which has an upwardly projecting portion which is recessed to receive said cap-plug and which is adapted to be snugly received within said skirt, a platter member formed by a single sheet of rigid material formed to be snugly received in said groove and having two angularly disposed portions which rest respectively on said first and second surfaces, and a screw extending through said platter member and threaded into said base member.

2,459,066
VEHICLE FOR INVALIDS
Sam Duke, Chicago, Ill.
Application September 7, 1945, Serial No. 614,965
4 Claims. (Cl. 155—22)

1. In a vehicle for invalids, a frame including side members, braces connecting said side members, crutches carried by said side members, a seat, a seat post supporting said seat at one side

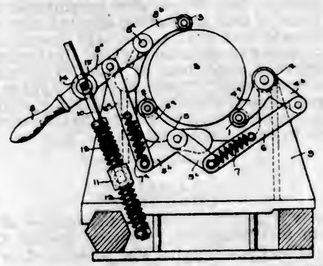
of said crutches, and a seat bar for said seat extending therefrom to the opposite side of said crutches and supported by said braces.

2,459,067
METHOD OF DUPLICATING
Andrew L. Erickson, Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 7, 1945, Serial No. 587,039
4 Claims. (Cl. 101—149.4)



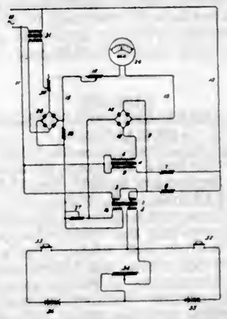
1. In the art of hectograph duplicating from reverse related copy whereby to transfer like and unlike copy from a primary master to a plurality of moistened copy card unit strips of like width, the steps of securing a plurality of such unit copy cards into a unitary card assembly with the cards in stepped relation, preparing a primary master having general data thereon at one portion thereof intended for transfer to a predetermined place on said cards and having thereon at a portion thereof spaced from said general data portion a distance at least as great as the offset distance of said stepped cards a plurality of parallel sections of specialized data related to said general data whose distance from center line to center line corresponds to the offset distance of said stepped cards, superposing said primary master against said moistened unitary card assembly with the said specialized data sections respectively in juxtaposition with the offset portions of all except the uppermost of said cards so that the specialized data sections are individually imprinted on different cards, then separating said cards from each other by detaching said cards from their unitary mounting, and imprinting said general data separately upon the said predetermined space of the unimprinted portion of each separate card upon which said specialized data had been imprinted.

2,459,068
CUTOFF MACHINE
Abraham B. Eastwood, Abington, Pa., assignor to The Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 518,362, January 15, 1944. This application April 2, 1947, Serial No. 738,891
7 Claims. (Cl. 51—238)



1. A mechanism for revolubly supporting cylindrical bar stock to be severed by a cut-off machine comprising, in combination, a supporting structure for said mechanism, a plurality of levers pivotally mounted upon said supporting structure each having a freely extending arm terminating in a guide roll, said guide rolls being circumferentially spaced about a common circle, means interconnecting said levers for effecting common actuation thereof whereby to correspondingly adjust said guide rolls relatively to the center of said circle, and resilient means operatively associated with said lever-interconnecting means to provide for independent positional adjustment of said guide rolls to compensate for variations in the surface contour of the bar stock revolubly supported between said guide rolls.

2,459,069
ELECTROMAGNETIC SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application December 14, 1946, Serial No. 716,193
4 Claims. (Cl. 175—363)



1. A magnetic amplifier comprising: a saturable core device having an alternating current winding and a plurality of direct current saturating windings; means connecting said alternating current winding in series with a first impendance across an alternating current source; a transformer having primary and secondary wind-

ings; means connecting said primary winding

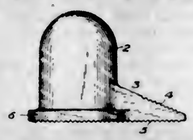
tively contact the differently curved areas of the

the rim thereof and defining a space substan-

tools in unison to simultaneously machine a work piece, a drive for rotating the tool head, tool

ings; means connecting said primary winding in series with a second impedance across said alternating current source; a circuit containing in series said saturable core alternating current winding, said transformer secondary winding, and a rectifier; a load device; an output circuit connecting said rectifier with said load device in series with one of said direct current saturating windings and an additional source of direct current voltage drop, the relative magnitudes of the excitation of said saturating winding, the resistance of said load device, and said direct current voltage, being so apportioned that the system has two different conditions of stability giving two different values of current in said output circuit; and means for predetermining which of said conditions shall obtain so as selectively to control the current in said output circuit.

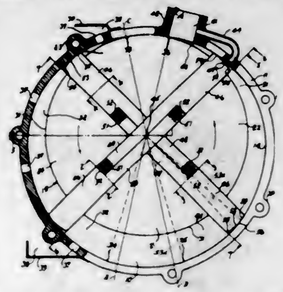
2,459,070
DOORSTOP
Arthur W. Gard, Edgewood, Pa., assignor of one-fourth to William H. Parmelee, Bethel Township, Allegheny County, Pa., and one-fourth to James M. Guthrie, Crafton, Pa.
Application December 21, 1944, Serial No. 569,139
1 Claim. (Cl. 292—343)



A door stop device comprising an integrally molded mass of vitreous material having a weight-affording body portion formed at its bottom with a relatively expansive basal area for laterally extended contact with a floor upon which the device is placed, and an integral tapered portion extending outward from said body portion and being relatively narrow with respect to said laterally extended floor-contacting area of said body portion and having a correspondingly diminished basal area for contact with said floor at a concentrated pressure point beneath the lower side edge of a door with which said tapered portion is wedged, whereby said body portion with its laterally extended contact with the floor and said relatively narrow tapered portion provide an effective combination of laterally supported mass and concentrated wedging action to secure said door against unintended movement.

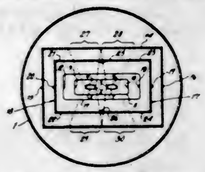
2,459,071
SLIDING VANE AIR COMPRESSOR AND EXHAUSTER
Harry A. Garrison, Minneapolis, Minn., assignor of one-half to Joe F. Schwan, St. Paul, Minn.
Application September 8, 1945, Serial No. 615,152
6 Claims. (Cl. 230—153)

1. In a rotary compressor, a cylindrical rotor, a casing surrounding the rotor of greater cross-sectional area than that of the rotor, said rotor having a portion contacting the circumferential wall of the casing so as to leave a generally crescent-shaped pumping chamber between the outer wall of the rotor and the inner wall of the casing, said inner wall having its cross-sectional curvature partly in arcs of a circle and partly in non-circular curves, and pistons carried by the rotor and movable outwardly relative thereto to contact the inner wall of the pumping chamber, each of said pistons having a multiplicity of curved contact faces at each end which respectively contact the differently curved areas of the inner walls of the chamber, whereby large areas of contact between the piston heads and the



chamber walls are secured throughout the movement of the piston heads about the full surrounding extent of said contacted walls.

2,459,072
BEAM POWER TUBE
Donald G. Haines, Elmhurst, Ill., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application January 8, 1946, Serial No. 639,848
3 Claims. (Cl. 250—27.5)



1. An amplifier tube of the beam power type comprising a pair of substantially parallel and spaced linear cathodes, a control grid surrounding said cathodes, a shield grid surrounding said control grid, an output anode for said cathodes, a pair of beam-forming elements mounted adjacent the end sections of said grids, and a conductive member mounted in said region and connected to said elements to provide a retarding potential gradient in said region with respect to electrons tending to move from the anode toward the control grid, said beam-forming elements cooperating with said cathodes to form the electron streams into respective and substantially non-overlapping beams diverging towards said anode and with a region between said beams having low electron density.

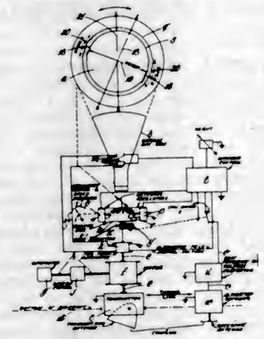
2,459,073
PAPER CUP HAVING A POURING LIP EXTENDING OUTWARDLY FROM SIDE WALL
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 4, 1944, Serial No. 561,903
6 Claims. (Cl. 229—4.5)

1. In a container made of fibrous material and having a bottom and a substantially conical side wall, a lip formed in the container side wall and extending therefrom for pouring the container contents therefrom, the lip extending from substantially the bottom of the container through

the rim thereof and defining a space substantially triangular in cross sectional area in conjunction with the continuation of the line of the

container side wall, the space increasing in area from the end of the lip adjacent the container bottom to the rim of the container.

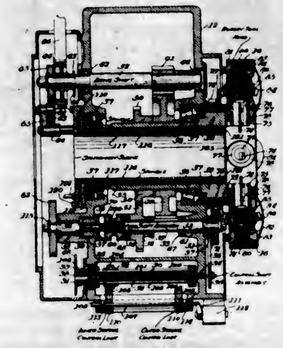
2,459,074
COURSE AND HEIGHT INDICATOR FOR AIRCRAFT
Horace Warren Hastings-Hodgkins, Lincoln, England, assignor to Radio Corporation of America
Application May 1, 1943, Serial No. 485,562
In Great Britain July 3, 1942
6 Claims. (Cl. 343—9)



1. In a radio avigational device for aircraft comprising, in combination, a radio transmitter having means for continuously emitting frequency modulated signals in a rotating beam which will strike the earth on a cyclic curve as the aircraft advances, means for generating a reference current in synchronism with said rotating beam, means for receiving said signals after reflection from the earth, means for combining said emitted signals with said received reflected signals, and indicating means responsive to the frequency and phase of said combined signals and said reference current for indicating simultaneously the speed, altitude and true course of said aircraft.

2,459,075
PIPE CUTOFF MACHINE
Robert L. Hibbard, deceased, late of Bellevue, Pa., by Stewart C. Hibbard, Ross Township, Allegheny County, and Robert L. Hibbard, Jr., and Hays M. Junkin, both of Bellevue, Pa., executors, assignors of one-half to William K. Stamets, Mars, Pa.
Application April 3, 1945, Serial No. 586,401
13 Claims. (Cl. 164—60)

9. In a machine tool the combination of a rotary tool head having an annular series of spaced threaded tool holders each arranged to carry a tool, an internally threaded pinion engaging the threaded portion of its respective tool holder and arranged when rotated to feed or retract the tools in unison to simultaneously machine a work piece, a drive for rotating the tool head, tool drive means rotatably mounted relative to the tool head and arranged to engage said pinions to move the tools toward and away from the work piece when rotated at speeds different than the speed of the tool head and arranged to maintain the position of the tools when rotated in synchronism with the tool head, manually adjust-



able trip means to automatically select different operating speeds and synchronous speed for the tool drive means to feed and retract and to idle the tools for tool cutting strokes of predetermined position and length, and limit control means to change the tool feed movement to retracting movement at the ultimate limit of the tool feed and to idle the tools at the ultimate limit of the tool retraction.

2,459,076
PROCESS OF PREPARING 1,1,3,3-TETRAALKOXYPROPANES
Martin E. Hultquist, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 11, 1948, Serial No. 14,382
5 Claims. (Cl. 260—615)

1. A method of preparing 1,1,3,3-tetraalkoxypropanes which comprises reacting an ester of orthoformic acid with a vinyl ester in the presence of an acid-reacting halide catalyst.

2,459,077
QUICK ACTION SWITCH
Max L. Jeffrey, Cleveland, Ohio
Application June 28, 1945, Serial No. 602,035
9 Claims. (Cl. 200—70)

5. A switch comprising a housing, a partition dividing the housing into separate compartments, an operating shaft rotatably journalled in the housing and extending into one of said compartments and a latch operating lever carried thereby, an operating lever carried by said shaft outside the housing, spring means connecting said lever in the housing to said shaft and permitting relative movement between the lever and the shaft upon either the lever or shaft meeting with predetermined resistance, a rock shaft journalled in said partition and a contact carrying lever carried thereby in said other compartment, means for rocking said second shaft and swinging said contact carrying lever comprising a rocker secured to said shaft in said first compartment and hav-

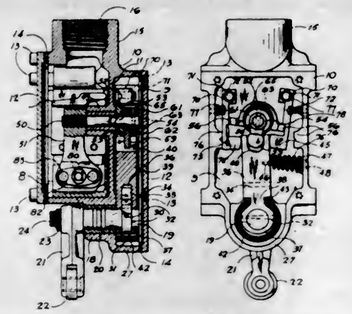
ing a pair of pawl engaging arm carried thereby, pawls supported by the housing movable for

2,459,079
GAS TURBINE POWER UNIT

nally adjustably mounted upon the upper end of each of said posts and having an end swingable within and across said working zone an angular

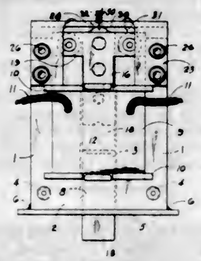
means connected to said shaft for rotating the same having two separated and closed compartments, a shaft extending therethrough, a slurry

ing a pair of pawl engaging arm carried thereby, pawls supported by the housing movable for alternate engagement with said pawl engaging arms, extensions for said pawls extending opposite to said latch operating lever and spring means for holding said pawls into engagement with said latch operating lever; and means for



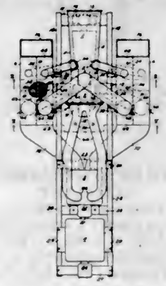
rocking said shaft by said latch operating lever through said rocker comprising a lever rotatably mounted on said rock shaft and having a projection thereon, said rocker being provided with a projection and a C shaped spring engaging said projections and providing a resilient driving connection therebetween said rocker.

2,459,078
SHOCK ABSORBENT STOP FOR SOLENOIDS
Max L. Jeffrey, Shaker Heights, Ohio
Continuation of application Serial No. 595,290, May 23, 1945. This application August 4, 1947, Serial No. 766,055
11 Claims. (Cl. 175—341)



1. An electromagnet comprising a laminated soft iron stator of generally E shape, a winding for said stator, said stator having an inner pole extending into said winding and outer poles extending beyond the winding, a saddle member for connection to said outer poles having a portion on each end formed to provide spaced parallel walls embracing each of said poles and extending beyond the inner face of each of said poles to form parallel guide surfaces, an armature for said magnet having a core portion for extension and attraction into said winding and a head carried thereby for guiding engagement with said guide surfaces, said saddle member being formed with a bridge portion connecting said parallel walls.

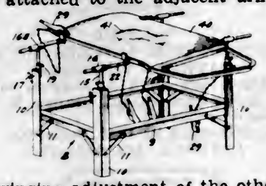
2,459,079
GAS TURBINE POWER UNIT
John Algot Johnson, Wauwatosa, and Clarence E. Kenney, West Allis, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application June 22, 1944, Serial No. 541,562
6 Claims. (Cl. 60—41)



1. A compact gas turbine power plant comprising a compressor, a turbine drivingly connected with said compressor, a separate, independently rotating power turbine means, a supporting structure operatively mounting said compressor, compressor turbine and power turbine means with the inlet of the compressor turbine disposed immediately adjacent the discharge end of the compressor and with the exhaust end of the power turbine means opposing the exhaust end of the compressor turbine, a pair of heat exchangers mounted on said structure adjacent opposite sides of said compressor turbine in parallel relation with respect to each other and with respect to the longitudinal axis of the turbine, said heat exchangers each including means providing an exhaust gas passage extending therethrough in a direction approximately parallel to said axis and at least two pairs of conductors extending transversely through said exhaust gas passage each pair having a set of inlet and outlet connections said sets being on opposite sides of the heat exchanger and adjacent to the opposed ends of the compressor and compressor turbine, a first group of spaced conduits severally connecting the inlet of each pair of conductors with the discharge of the compressor, a second group of spaced conduits embodying combustion chamber means and severally connecting the outlet of each pair of conductors with the inlet of the compressor turbine, a third group of spaced conduits connecting the exhaust of the compressor turbine with the inlet of the power turbine means, and a fourth group of conduits severally connecting the exhaust of the power turbine means with the adjacent ends of the exhaust gas passages in said heat exchangers.

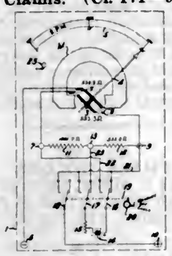
2,459,080
MECHANIC'S WORK-HOLDING TABLE FURNISHED WITH ADJUSTABLE WORK-SUPPORTING ARMS
William Killius, Altadena, Calif., assignor to Blackhawk Mfg. Co., Milwaukee, Wis.
Application March 13, 1948, Serial No. 14,746
4 Claims. (Cl. 29—288)

3. In a mechanics work holding table, a frame having four corners defining an intervening rectangular working zone, an upright cylindrical post rotatably and vertically adjustably supported at each corner of said frame, an elongated horizontal cylindrical arm rotatably and longitudinally adjustably mounted upon the upper end of each of said posts and having an end swingable within and across said working zone, an angular work holding element swingably attached to said end of each arm, each of said elements having a pair of integral work engaging flanges disposed perpendicular to each other and one of which is pivotally attached to the adjacent arm end to



permit swinging adjustment of the other flange across or eccentrically about the arm axis for engagement of said other flange with the work either at any angle relative to said axis or from above or below, and a work clamp flexibly suspended from the adjacent arm end and being universally disposable for cooperation with either element flange and with the work coacting therewith.

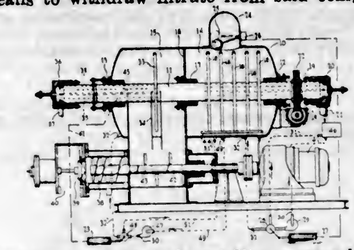
2,459,081
ELECTRICAL MEASURING INSTRUMENT
Miles C. Kunz, Union, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application January 31, 1945, Serial No. 575,453
9 Claims. (Cl. 171—95)



1. An electrical measuring instrument of the permanent magnet-moving coil type comprising a moving system having a suppression coil and a measuring coil, a pointer carried by the moving system and movable along a graduated scale, a source of current, circuit connections between the source of current and the suppression coil and including a switch adapted to be closed in one position to permit current to flow through said suppression coil in one direction to oppose movement of said moving system by current flow in said measuring coil, and alternatively to be closed in a second position to cause the current to flow through the suppression coil in the opposite direction, means for adjusting the magnitude of the current flowing in the suppression coil to a predetermined value, and circuit connections from the measuring coil to terminals across which an electrical potential that varies with the function to be measured may be impressed.

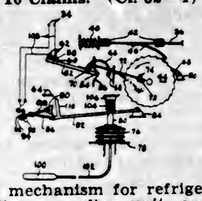
2,459,082
FILTER
William McCaskell, Los Angeles, Calif.
Application July 11, 1945, Serial No. 604,363
9 Claims. (Cl. 210—200)

1. In a filter of the class described, the combination comprising a closed container rotating means connected to said shaft for rotating the same having two separated and closed compartments, a shaft extending therethrough, a slurry thickener in one compartment of said container including filter means mounted on said shaft, means to withdraw filtrate from said compart-



ment through said shaft and filter, a second filter mounted on said shaft in a second compartment, means to transfer thickened slurry from said first compartment to said second compartment, means to remove filtrate from said second compartment, and means to remove filter cake from said second compartment.

2,459,083
REFRIGERATOR PROVIDED WITH A DEFROSTING CONTROL FOR THE REFRIGERATION SYSTEM THEREOF
Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 11, 1946, Serial No. 682,896
10 Claims. (Cl. 62—4)



6. Control mechanism for refrigerating apparatus including a cooling unit, an electrically-driven refrigerant apparatus for supplying refrigerant to said cooling unit, and electric supply lines for operating said apparatus, said mechanism comprising a first and a second electric switch adapted to be located in said lines in series with said apparatus, said first switch being actuated through resilient means by an actuating member adapted for response to the temperature of said cooling unit to assume a plurality of positions, said first switch and actuating member controlling said apparatus to maintain said cooling unit at a substantially constant temperature, said actuating member closing said second switch when the temperature of the cooling unit rises to above freezing temperatures.

2,459,084
METHOD OF AND MEANS FOR MAKING DIES
Frank E. McGary, Narberth, and Edward Hochreiter, Charles F. Schlecht, and Frank Shannon, Philadelphia, Pa., assignors to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 3, 1940, Serial No. 350,502
13 Claims. (Cl. 22—202)

2. The method of forming a female checking fixture having means to locate flange and trim

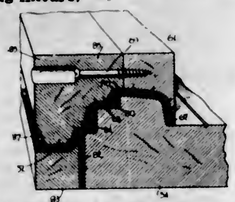
lines which comprises superimposing a frame-

and limit endwise movement of the pin, at least

2,459,088

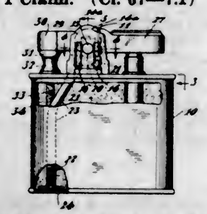
obtained by reacting substantially one mol of

lines which comprises superimposing a framework on a master male model in such a manner that a free space of small dimension having large surface area per unit of volume is interposed between the bottom of the framework and the surface of the master model, positioning retaining means such as nails in the framework with their heads projecting into the free space, introducing molten alloy of the Wood's metal group into said free space to engage the heads of the nails and bond the alloy to the framework, and removing said framework and alloy from the master model when the alloy solidifies for use as a checking fixture.



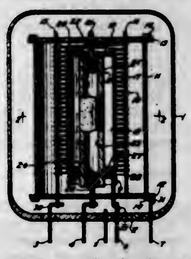
6. In a device for checking two coordinated dies designed to be used in imparting the desired form to a stamping in successive steps, the combination comprising a checking fixture member having a checking surface presenting a negative replica of a surface contour desired to be produced in both of said dies, a second checking fixture member attachable to the first in complemental relation thereto and having a checking surface presenting a negative replica of a surface contour desired to be produced in the first of said dies which surface is to differ from the desired corresponding surface contour of the second of said dies, said second checking fixture member being detachable from said first checking fixture member after attachment thereto, whereby said second checking fixture member may be replaced by a third checking fixture member attachable to the first in complemental relation thereto and having a checking surface contour presenting a negative replica of said desired corresponding surface of the second of said dies.

2,459,085
PYROPHORIC LIGHTER
Frederick Meyer, Union, N. J., assignor to Ronson Art Metal Works, Inc., Newark, N. J., a corporation of New Jersey
Application January 10, 1946, Serial No. 640,311
1 Claim. (Cl. 67—7.1)



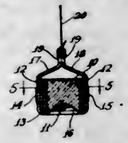
A lighter having a casing, a pair of spaced standards extending therefrom and having transverse alined passages extending therethrough, a pivot pin for operating parts of the lighter having its opposite end portions mounted within and slidable endwise through said passages, cover plates respectively overlying the outer sides of said standards and the outer end portions of said passages and pivot pin to conceal the latter and limit endwise movement of the pin, at least one of said cover plates and its corresponding standard having parts interengaging to afford sliding movement of said plate in a plane transverse to the pin to expose the corresponding end of the pin and afford endwise removal of the pin past said last mentioned cover plate.

2,459,086
ELECTRON TUBE AND HEATER TYPE CATHODE THEREFOR
Carl F. Miller, Summit, N. J., assignor to National Union Radio Corporation, Orange, N. J., a corporation of Delaware
Application April 16, 1948, Serial No. 21,325
10 Claims. (Cl. 250—27.5)



1. A heater type cathode for electron tubes, comprising a heater element in the form of a rigid tubular body constituted of composite insulator and conductor materials, heater current supply members attached to opposite ends of said tubular body, a tubular metal sleeve surrounding said body in fixed circumferential spaced relation thereto, and a coating of electron-emissive material on the external surface of said sleeve.

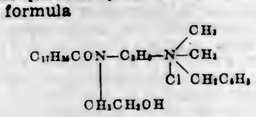
2,459,087
CHALK HOLDER
George F. Miller, Chicago, Ill.
Application September 17, 1945, Serial No. 616,756
1 Claim. (Cl. 273—20)



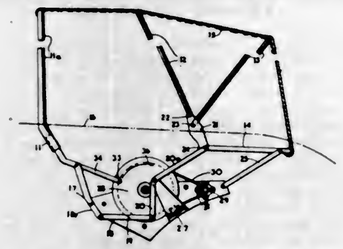
A holder for a cubical piece of billiard cue chalk having a single face engaged by the end of the cue, comprising two separate flexible strips each substantially the width of one of the chalk sides, one strip being of a length to extend entirely around the chalk but not over the engageable face and the ends overlapping on one face, the other strip having a single cue end opening intermediate its ends to register with the engageable face and of a length to extend around the chalk at right angles to the first strip with the ends extending together outwardly opposite the cue opening and with perforations in the ends adapting the holder to be suspended by a supporting cord engaging therein, and fastening means connecting the two strips together at opposite sides of the chalk where these strips cross, and the chalk being insertable in the holder by spreading apart the perforated ends of the suspending strip at the side of the holder opposite the single cue opening.

2,459,088
ALIPHATIC AMIDE-SUBSTITUTED PROPYL QUATERNARY AMMONIUM COMPOUNDS
Philip H. Moss, Stamford, Conn., and Elmer W. Cook, New York, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 24, 1947, Serial No. 750,368
3 Claims. (Cl. 260—404.5)

1. The quaternary ammonium compound having the formula



2,459,089
FOLDING HOOD FOR MOTOR VEHICLES AND THE LIKE
John H. Orr, Coventry, England, assignor to Carbodies Limited, Coventry, England
Application September 18, 1947, Serial No. 774,772
In Great Britain September 25, 1946
6 Claims. (Cl. 296—117)



3. A drop-head automobile body including a main hoop, for supporting the front edge of the head fabric, pivotally mounted on opposite sides of the automobile body, subsidiary hoops, for supporting the rear portion of the head fabric, pivotally mounted at opposite sides of the automobile body, a rotary disc carrying a crank pin, a rotary type of motor, a speed reduction belt drive between said motor and disc, a connecting rod between said crank pin and said main hoop such that when said motor is operated one part of a revolution of said disc will move said main hoop from the fully lowered to the fully raised position and the remaining part of the revolution of said disc will return said main hoop to said lowered position, and connections between said main and subsidiary hoops whereby the latter are raised and lowered simultaneously with said main hoop.

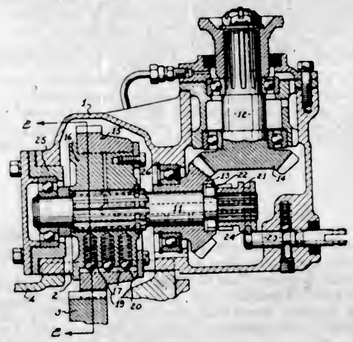
2,459,090
PRODUCTS OBTAINED BY REACTING PHOSPHORUS PENTASULFIDE WITH SULFURIZED KETONES
Ferdinand P. Otto, Woodbury, N. J., and Ronald E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 25, 1945, Serial No. 607,090
5 Claims. (Cl. 260—125)

1. As a new composition of matter, a phosphorus- and sulfur-containing reaction product obtained by reacting substantially one mol of phosphorus pentasulfide with four mols of a sulfurized ketone at a temperature between about 100° C. and about 200° C., said sulfurized ketone being obtained by sulfurizing an unsaturated acyclic ketone containing no substituents other than hydrogen, with elementary sulfur at a temperature above about 150° C. and below the decomposition temperature of said sulfurized ketone.

2,459,091
ADJUSTING MEANS FOR GLUING MACHINES
Roland A. Page, New York, N. Y.
Application December 1, 1945, Serial No. 632,142
5 Claims. (Cl. 91—51)

4. In a gluing machine, a glue roll, a doctor roll adapted to be moved to and from the glue roll, means for moving said doctor roll toward the glue roll comprising an adjusting screw, supporting means for the doctor roll, a stem carried by said supporting means and having a head at one end against which the adjusting screw is operative, said screw being independent of the stem and a spring tending to hold the stem in contact with the adjusting screw.

2,459,092
SLIP CLUTCH POWER TAKE-OFF UNIT
Carl D. Peterson, Albert H. Deimel, and Carl H. Wolcott, Toledo, Ohio, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application April 19, 1945, Serial No. 589,138
2 Claims. (Cl. 74—15.86)



1. A power take off unit for transmission mechanisms, the unit including a casing having drive and driven shafts journalled therein, the shafts being arranged at an angle to each other, intermeshing gears on said shafts, the gear on one shaft being rotatably mounted thereon and clutchable thereto, a manually operable clutch mounted on the said one shaft and shiftable to clutch and unclutch the gear thereon and said one shaft, a drive gear for the drive shaft and for meshing with a gear on the output shaft of the transmission mechanism, and an overload

release coupling between the drive shaft and the drive gear, the manually operable clutch being

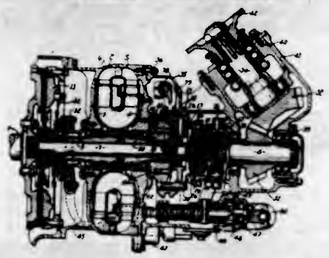
ially alined therewith, clutch means operable to connect either of the drive shafts to the driven

2,459,096
METHOD AND APPARATUS FOR FLUID

2,459,097
PUMP FOR EVAPORATIVE AIR COOLERS OR THE LIKE

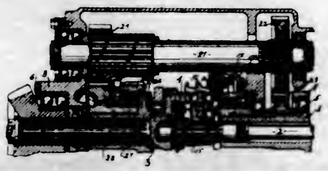
release coupling between the drive shaft and the drive gear, the manually operable clutch being located in the space at the intersection of the axes of the drive and driven shafts.

2,459,093
ANGLE DRIVE TORQUE CONVERTER TRANSMISSION
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Application May 23, 1945, Serial No. 595,264
10 Claims. (Cl. 74—189.5)



1. In a transmission mechanism, outer and inner concentric drives, a drive member common to both drives and a driven shaft axially alined with the outer and inner drives, the outer drive including a hydraulic torque converter having input and output shafts, a normally engaged clutch between the drive member and the input shaft of the converter, motion transmitting means between the converter output shaft and the driven shaft including an overrunning clutch permitting the driven shaft to overrun the output shaft of the converter, when rotating faster than the same, the inner drive including a shaft extending axially through the input and output shafts of the converter, a normally disengaged jaw clutch for connecting the driven shaft directly to the inner drive shaft including a shiftable collar operable to engage and disengage the jaw clutch, an angle drive including intermeshing bevel gears, one of which is mounted on the driven shaft, and a casing for the transmission having bearings on opposite sides of the bevel gear on the driven shaft in an axial direction, the bearing on one side of the bevel gear being located between the shiftable clutch collar and the bevel gear.

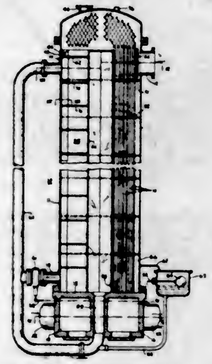
2,459,094
TRANSMISSION MECHANISM
Carl D. Peterson and Albert H. Deimel, Toledo, Ohio, assignors to Dana Corporation, Toledo, Ohio, a corporation of Virginia
Original application August 7, 1943, Serial No. 497,839. Divided and this application November 6, 1945, Serial No. 626,942
4 Claims. (Cl. 74—368)



1. In a transmission mechanism, inner and outer concentric drive shafts, a driven shaft axially alined therewith, clutch means operable to connect either of the drive shafts to the driven shaft, and indirect drive means between the outer drive shaft and the driven shaft including an overrunning clutch permitting the driven shaft to overrun the indirect drive when the inner drive shaft is connected to the driven shaft to drive the same.

2. In a transmission mechanism, inner and outer concentric drive shafts, a driven shaft axially alined therewith, a clutch operable in one direction from neutral to connect the outer drive shaft to the driven shaft and in the other direction from neutral to clutch the inner drive shaft to the driven shaft, and an indirect reduction drive gearing between the outer drive shaft and the driven shaft including an overrunning clutch to permit the driven shaft to overrun the indirect drive when the inner shaft is clutched to the driven shaft.

2,459,095
HEAT EXCHANGE APPARATUS
John P. Rathbun, Prospect Park, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1944, Serial No. 530,821
2 Claims. (Cl. 257—32)



1. Heat exchange apparatus comprising a vertical shell having a steam inlet and a condensate outlet, a removable bundle of tubes disposed vertically in said shell, water box structure associated with the terminal portions of the tubes and providing for circulation of water therethrough, vertical partition structure removable from the shell with the tube bundle and cooperating with the shell to segregate a portion of the space about the tubes from the remaining space within the shell, bifurcated vertical edges on the partition structure providing vertical channels opening toward the cooperating shell, resilient sealing members carried by the branches of the bifurcations and frictionally contacting the contiguous shell, a source of condensate comprising upper portions of the tubes which extend through the segregated portion of space and thereabove, and a pan-like structure positioned beneath said source of condensate for reception of condensate therefrom and discharge of condensate to the vertical channels to maintain them flooded.

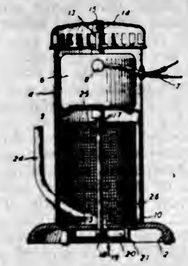
2,459,096
METHOD AND APPARATUS FOR FLUID HYDROCARBON CONVERSION
Frederick E. Ray, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application November 7, 1946, Serial No. 708,245
9 Claims. (Cl. 196—52)

1. A method for conversion of fluid hydrocarbons to lower boiling gaseous hydrocarbons in the presence of a moving particle-form contact material which method comprises: introducing particle-form contact material into the upper section of a confined, elongated conversion zone at a suitable temperature for said hydrocarbon conversion; passing said contact material downwardly through said zone as a substantially compact column of downwardly flowing particles; withdrawing used contact material from the lower section of said zone, introducing fluid hydrocarbons into the upper section of said conversion zone; passing said fluid hydrocarbons downwardly through the major portion of the length of said column of contact material within said conversion zone to effect conversion of said hydrocarbons to lower boiling gaseous hydrocarbon products; baffling the flow of contact material in the lower section of said column at a plurality of vertically spaced locations to provide a plurality of vertically spaced apart gas collecting spaces of equal width which are shielded from gravity flow of contact material from said column but open to said column along their lower sides, said gas spaces being so vertically spaced one from another that the open base of any given gas space above the lowermost gas collecting space is positioned a greater vertical distance above the highest horizontal plane of maximum cross-sectional area across the gas space next below than the distance, d, as expressed by the formula,

$$d = \frac{W}{2}(\tan b + \tan c)$$

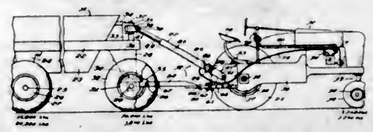
where W is the maximum width of said gas spaces, b is the characteristic angle of internal flow of said contact material, and c is the angle of repose of said contact material; collecting said gaseous products in all of said gas collecting spaces, withdrawing the gaseous products from said collecting spaces as confined streams and imposing a fixed throttle on the gas flowing from each collecting space at the location of its exit from the collecting space, the throttle being progressively less for flow from successively lower collecting spaces.

2,459,097
PUMP FOR EVAPORATIVE AIR COOLERS OR THE LIKE
Gene C. Rudd and Cornelius B. Wright, Fort Worth, Tex.
Application April 5, 1947, Serial No. 739,710
1 Claim. (Cl. 103—87)



A pump comprising a base, a tubular housing vertically mounted on said base, a motor mounted within the upper end of said tubular housing and spaced from the wall thereof, shafts extending vertically above and below said motor and driven thereby, a cup shaped combination fan and cover secured to the upper end of said shaft, vertically disposed louvers in the periphery of of said fan, an impeller housing mounted beneath said base, impeller blades within said impeller housing and secured to the lower end of said shaft, fluid inlet means in said base and communicating with the interior of said impeller housing, fluid outlet means in said base over said blades and asymetrically positioned with respect to the center thereof, and the said blades being angularly disposed for directing the action of the same toward the said outlet.

2,459,098
WEIGHT-TRANSFERRING VEHICLE COUPLING OR HITCH STRUCTURE
Lovel R. Simmons, Jackson, Miss.
Application January 15, 1944, Serial No. 518,336
1 Claim. (Cl. 280—33.44)



An apparatus for coupling a tractor to a vehicle to be propelled thereby and self-supported upon a plurality of ground-engaging parts; the combination of a hitch structure adjustable to accommodate variation in the elevations of said tractor and vehicle while they traverse an uneven course, said structure including a chamber which expands and contracts attendant to such adjustment and which chamber is receivable of fluid under pressure to energize the structure for transferring weight from said vehicle onto the tractor in an amount constituting a function of the pressure of the fluid, and said hitch structure being universally articulately connected between said tractor and vehicle whereby stability of the vehicle with respect to tipping sidewise would be diminished if the hitch should lift the vehicle sufficiently to terminate contact of any ground-engaging part thereof with the ground; and fluid supply means for delivering energizing fluid into

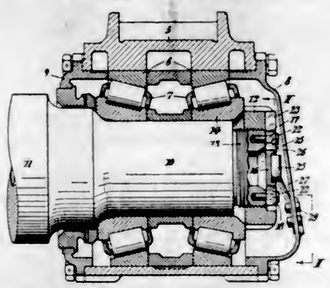
the chamber when it expands and for receiving

predetermined pitch change at maximum throw

vidual to said mobile unit and responsive to car-

the chamber when it expands and for receiving fluid from said chamber when it contracts to modulate the pressure of fluid therein pursuant to adjustments of said structure, said fluid supply means including a fluid reservoir, a constant delivery pump driven from the tractor to withdraw fluid from the reservoir, a conduit connecting said chamber with the pump outlet, pressure relief valve means connected between the pump outlet and the reservoir and also between said chamber and the reservoir, said pressure relief valve means being settable to limit the pressure of fluid delivered by the pump and contained in said chamber to a value insufficient to energize the structure for raising any of the ground-engaging parts of the vehicle from the ground, and a manually controlled valve means selectively settable in an adjustment establishing concurrent communication of said chamber and of the pump with the reservoir independently of the pressure relief valve means and instantaneously settable in another adjustment reestablishing communication of the pump outlet and of said chamber with the reservoir only through the pressure relief valve means.

2,459,099
BEARING SHUNT MEANS
Carleton K. Steins, Merion, Pa., assignor to The Pennsylvania Railroad Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 13, 1945, Serial No. 622,201
3 Claims. (Cl. 308—1)



1. Bearing shunt means for use in connection with a wheel axle journal box of an electric locomotive or an electrically powered railway car, comprising a contact element with means for securing it to the end of the axle journal and having in its outer face a recess coaxial with said journal; a complemental cooperative contact element occupying the recess in the first contact element and frictionally bearing on the bottom of the same; and a leaf spring with one end thereof fixedly secured to a removable cover of the journal box and with its other end supporting the complemental contact element to maintain it in pressure contact with the bottom of the recess in said first contact element.

2,459,100
ARTICULATE FIGURE
Frank Larned Treuting, Newark, N. J., assignor to Herbert R. Treuting, Sr., Newark, N. J.
Application August 14, 1946, Serial No. 690,479
4 Claims. (Cl. 46—161)

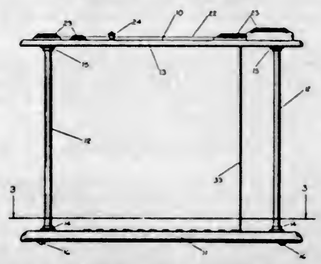
1. An articulate animal figure comprising a body portion, a head having a neck portion and front and rear leg members, said body portion having a front cavity, ends of upper portions of said front leg members pivotally attached to and held in frictional engagement to the outer surfaces of opposite walls of said cavity, said neck portion having opposite surfaces of one end thereof disposed in frictional engagement with the inner

surfaces of the opposite walls of said cavity and pivotally attached to said walls, said body portion having a rear cavity, upper portions of said rear leg members having ends thereof disposed in said rear cavity and pivotally held in frictional engagement with the inner surfaces of the walls of said rear cavity.

2,459,101
BACK GAUGE FOR PUNCHES
Ralph R. Uhrmacher, Chicago, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application October 18, 1946, Serial No. 704,254
3 Claims. (Cl. 164—59)

1. In a punch, a transverse rod, a back gauge comprising a gauge bar and a holder, said holder having a pair of resilient side walls frictionally holding said gauge in any lateral position on said rod, a front wall, and a resilient rear wall cooperating with said front wall to hold said gauge bar in any depth regulating position.

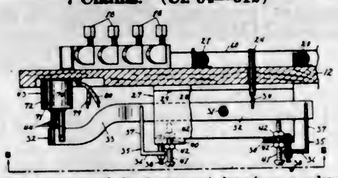
2,459,102
MUSICAL INSTRUMENT
Newton J. Adair, Fresno, Calif.
Application January 25, 1947, Serial No. 724,386
7 Claims. (Cl. 84—312)



1. A musical instrument comprising a support, a plurality of strings tensioned thereon, means individual to the strings for progressively varying their tension as the instrument is played, keys individually operating the tensioning means, stops limiting the throws of the keys to achieve

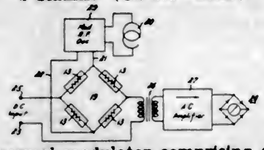
predetermined pitch change at maximum throw, pedals manipulating single keys, and chord pedals each manipulating a plurality of keys to achieve single string and chordal tuning of the strings.

2,459,103
MUSICAL INSTRUMENT
Newton J. Adair, Fresno, Calif.
Application August 19, 1947, Serial No. 769,374
7 Claims. (Cl. 84—312)



1. In a musical instrument having a plurality of tensioned strings disposed for audible vibration, means for progressively varying the tension of the strings comprising a pair of fixedly positioned members in spaced engagement with the strings, solenoids individually connected to the strings intermediate said members and arranged to draw their respective strings between the members when activated, and manually controlled electric means for selectively activating the solenoids.

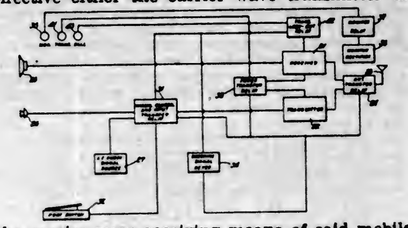
2,459,104
ELECTRONIC MEASURING APPARATUS
Roswell W. Gilbert, Montclair, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application June 8, 1945, Serial No. 598,401
2 Claims. (Cl. 179—171.5)



1. A thermal modulator comprising a continuously balanced resistance bridge, each arm of said bridge being a resistance element having an appreciable temperature coefficient of resistance and a short thermal time constant, a direct current circuit connected across one pair of opposite junctions of said bridge, and a source of relatively high frequency heating current connected across the other pair of bridge junctions and including means for modulating the high frequency current at a relatively low frequency, whereby the resistance of said bridge will vary cyclically at the low frequency.

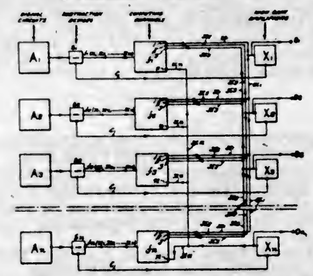
2,459,105
TRAFFIC SIGNALING SYSTEM
William S. Halstead, Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application April 12, 1941, Serial No. 388,338
4 Claims. (Cl. 250—6)

1. In a traffic signaling system for effecting automatic supervisory signalling between a station and a remote mobile unit, a carrier wave transmitter for said station, a second carrier wave transmitter for said remote mobile unit, carrier wave receiving means individual to said station and responsive to carrier wave energy from said mobile unit, carrier wave receiving means individual to said mobile unit and responsive to carrier wave energy from said station, a source of control signal energy, means for intermittently effecting emission of a control signal modulated carrier wave by said station transmitter, a transfer means for said mobile unit adapted to render effective either the carrier wave transmitter or



the carrier wave receiving means of said mobile unit and switching means coupled to said transfer means and operable for actuating said transfer means to initiate operation of the carrier wave transmitter of said remote mobile unit during a period between intermittent transmission of carrier wave energy by said station.

2,459,106
COMPUTING APPARATUS
Arthur C. Hardy, Wellesley, Mass., and Edward C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Application August 6, 1946, Serial No. 688,750
8 Claims. (Cl. 235—61)



1. An electrical apparatus for solving a set of simultaneous equations, comprising signal circuits and means for establishing in them signals corresponding to the known terms of the equations, computing channels arranged to perform the mathematical operations which the equations indicate as to be performed on the unknown quantities, subtracting devices of which each has its input terminals connected to the signal circuit and the computing channel corresponding to one equation, high-gain amplifiers having their output terminals connected to the computing channels and to the output terminals of the apparatus, and a connection between the output terminal of each subtraction device and the input of one of the amplifiers.

2,459,107
DRUM TYPE INDICATOR ALARM CLOCK
Arthur A. Johnson, Bridgeport, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application December 3, 1940, Serial No. 368,329
31 Claims. (Cl. 58—19)
8. In combination with a direct reading clock

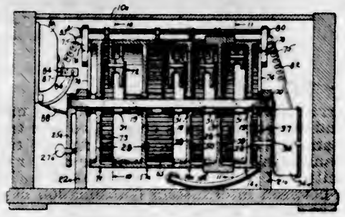
having a plurality of rotary drums arranged side

ence of a catalyst comprising a stable aliphatic

4. Chemical compounds having the formula

the aldehyde, of at least about one-half molar

having a plurality of rotary drums arranged side by side for coaxial rotation, and bearing time-indicating indicia on their peripheral surfaces, enclosed in a housing provided with a sight opening, and having means for moving the drums intermittently in timed relation so as to indicate the time by means of the indicia on the peripheral surfaces of said drums aligned with the sight opening, an alarm attachment comprising a plurality of adjustably movable switches, one for each drum, connected in series; an electric alarm connected in series with said switches; a plurality of switch-closing means carried



on the peripheral surfaces of said drums at angular intervals corresponding to the num- at angular intervals corresponding to the number of indicia carried by each drum and arranged so that only the switch-closing means corresponding to like indicia on the same drum are in mutual alignment, said switches being adapted in any one position to be actuated only by the aligned switch-closing means; and means for adjusting the position of said switches with reference to said drums so that all of the switches will be closed only when a preselected set of indicia appears at the sight opening in the clock.

2,459,108

METHOD OF PRODUCING ETHERS AND ESTERS OF CARBOHYDRATES

Jan Lolkema, Hoogezand, Netherlands; vested in the Attorney General of the United States

No Drawing. Application February 25, 1941, Serial No. 380,562. In the Netherlands January 23, 1940

Section 3, Public Law 690, August 8, 1946
Patent expires January 23, 1960

9 Claims. (Cl. 260—209)

1. The process of manufacturing adhesive alkyl ethers of a gelatinizable carbohydrate soluble in water to form a paste which comprises mixing the carbohydrate with an alkaline solution and an etherifying agent, spreading the mixture to form a thin layer and quickly heating the layer to a gelatinizing temperature while evaporating the solution to accelerate the etherification.

2,459,109

DIRECT SYNTHESIS OF ALKYL SUBSTITUTED STYRENE POLYMERS

Arthur Ferguson McKay, Montreal, Quebec, Canada, assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application September 27, 1945, Serial No. 618,983

7 Claims. (Cl. 260—91)

1. A method for the direct synthesis of alkyl substituted styrene polymers which comprises reacting acetylene with an alkylated benzene having not more than three alkyl groups in the presence of a catalyst comprising a stable aliphatic ether-boron trifluoride complex saturated with boron trifluoride in the presence of a mercury salt.

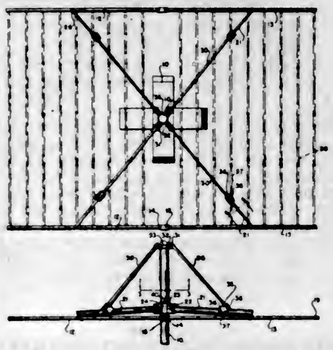
2,459,110

COLLAPSIBLE CLOTHESLINE

Stephen P. Mideabas, Bristol, Pa., assignor to Kemlite Metal Products Company, Inc., Bristol, Pa., a corporation of Pennsylvania

Application December 2, 1947, Serial No. 789,275

7 Claims. (Cl. 211—178)



1. A folding clothes drier comprising a pair of spaced arms, each of which is formed in plural sections which are pivotally joined together, each of the arms being arranged to be extended to cause their sections to be axially aligned, and means for supporting the arms in horizontally spaced relation while so aligned, said means comprising a vertical post, a brace pivotally connected at one end thereof to each arm section intermediate its ends, the opposite ends of the brace being interconnected and arranged for sliding movement vertically of the post, and a link pivotally connected at one end thereof to each brace and at the other end thereof to a point adjacent the upper end of the post.

2,459,111

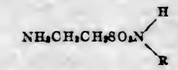
PANTOYLTAURAMIDES AND PREPARATION OF THE SAME

Wilbur H. Miller, Springdale, and Richard O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application November 24, 1945, Serial No. 630,696

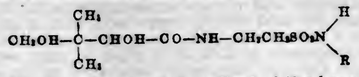
11 Claims. (Cl. 260—251)

2. A method of preparing pantoyltauramides which comprises mixing together in substantially anhydrous ethyl alcohol, alpha-hydroxy-beta,beta - dimethyl - gamma-butyrolactone, a tauramide having the general formula



in which R is an aromatic radical and an alkali metal alkoxide and allowing the mixture to react at a temperature between about 20° C. and 80° C. after reaction thereof recovering the resulting pantoyltauramide.

4. Chemical compounds having the formula



in which R is an aromatic radical of the benzene series.

2,459,112

MINERAL OIL COMPOSITION

Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 6, 1945, Serial No. 603,587

16 Claims. (Cl. 252—51.5)

1. An improved mineral oil containing a minor proportion, sufficient to depress the pour point and improve the oxidation stability of said oil, of a reaction product obtained by reaction, at a temperature within the range of from about 25° C. to about 110° C., of an aldehyde, a hydroxy-aromatic compound and a polyamine in which each amino group has at least on hydrogen atom; the proportions of reactants, on the basis of one mol of aldehyde, being about one mol of hydroxy-aromatic compound and at least about one-fourth mol of polyamine.

2,459,113

MINERAL OIL COMPOSITION

Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 6, 1945, Serial No. 603,590

13 Claims. (Cl. 252—32.7)

1. An improved mineral oil containing a minor proportion, sufficient to inhibit said oil against the deleterious effects of oxidation, of an oil-soluble, phosphorus-containing reaction product obtained by reacting one molar equivalent of an aldehyde with about one molar equivalent of a hydroxyaromatic compound and at least about one-half molar equivalent of a polyamine in which each amino group has at least one hydrogen atom, in the presence of an inert diluent, at a temperature falling within the range varying between about 20° C. and the reflux temperature of the diluent and for a time sufficient to effect condensation, to produce a condensation product, and reacting said product with about one molar equivalent of a phosphorus compound selected from the group consisting of a phosphorus halide, a phosphorus thiohalide and a phosphorus sulfide, in the presence of an inert solvent, at a temperature falling within the range varying between about 20° C. and the reflux temperature of the inert solvent and for a time sufficient to effect phosphorization of said condensation product.

2,459,114

MINERAL OIL COMPOSITION

Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 6, 1945, Serial No. 603,592

15 Claims. (Cl. 252—42.7)

1. An improved mineral oil containing a minor proportion, sufficient to inhibit said oil against the deleterious effects of oxidation, of an oil-soluble, sulfur-containing reaction product obtained by reacting an aldehyde, a hydroxyaromatic compound and a polyamine in which each amino group has at least one hydrogen atom, in the ratio, on the basis of one molar equivalent of the aldehyde, of at least about one-half molar equivalent to the polyamine and about one molar equivalent of the hydroxyaromatic compound, in the presence of an inert solvent, at a temperature falling within the range varying between about room temperature and the reflux temperature of the solvent and for a time sufficient to effect condensation, to produce a condensation product, and reacting said product with a sulfurizing material selected from the group consisting of elementary sulfur, a sulfur halide and a mixture thereof in the ratio corresponding to about one molar equivalent of sulfurizing material per molar equivalent of aldehyde employed in producing said condensation product, in the presence of an inert diluent at a temperature falling within the range varying between about 20° C. and the reflux temperature of the inert diluent, and for a time sufficient to effect sulfurization of said condensation product.

2,459,115

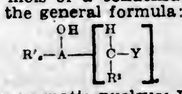
MINERAL OIL COMPOSITION

Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 6, 1945, Serial No. 603,593

6 Claims. (Cl. 252—47.5)

1. An improved mineral oil composition comprising a mineral oil having in admixture therewith a small proportion, sufficient to inhibit said oil against the deleterious effects of oxidation, of an oil-soluble phosphorus-containing reaction product obtained by reacting, at a temperature between about 20° C. and about 200° C., one mol of a phosphorus compound selected from the group consisting of a phosphorus halide, a phosphorus thiohalide and a phosphorus sulfide, with about 2.5 mols of a condensation product represented by the general formula:



wherein A is an aromatic nucleus; R' is selected from the group consisting of hydrogen, alkyl, aralkyl, alkaryl, aryl, cycloalkyl, alkoxy and aroxy groups; *a* represents the number of R' groups attached to an aromatic nucleus A, and is an integer from 0 to 3; R^2 is selected from the group consisting of hydrogen, alkyl, alkaryl, aralkyl, cycloalkyl and aryl groups; Y is a morpholine group attached at the nitrogen atom thereof to the carbon atom of the

group; and c represents the number of

groups attached to an aromatic nucleus A and is an integer from 1 to 3.

2,459,116

MINERAL OIL COMPOSITION

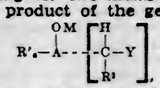
Edward A. Oberright, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application July 6, 1945, Serial No. 603,594

8 Claims. (Cl. 252—42.7)

1. An improved mineral oil containing a small proportion, sufficient to inhibit said oil against

the deleterious effects of oxidation, of an oil-soluble, sulfur-containing reaction product obtained by reacting (1) two molar equivalents of a condensation product of the general formula



in which A is an aromatic nucleus; R′ is selected from the group consisting of hydrogen, alkyl, aralkyl, alkaryl, aryl, cycloalkyl, alkoxy and aroxy groups; *a* represents the number of R′ groups attached to the aromatic nucleus A and varies from 0 to 3; M is selected from the group consisting of hydrogen and metal; R^2 is selected from the group consisting of hydrogen, alkyl, alkaryl, aralkyl, cycloalkyl and aryl groups; Y is a secondary heterocyclic amine group attached at the nitrogen atom thereof to the carbon atom of the

group; and c represents the number of

groups attached to the aromatic nucleus A and varies from 1 to 3; with (2) about one molar equivalent of a sulfurizing material selected from the group consisting of elementary sulfur, a sulfur halide and a mixture thereof, in the presence of an inert diluent, at a temperature falling within the range varying between about 20° C. and the reflux temperature of the diluent and for a time sufficient to effect sulfurization of said condensation product.

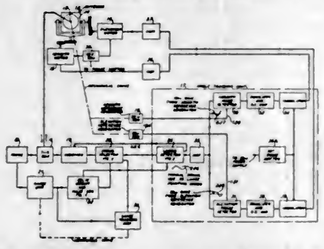
2,459,117

OBJECT LOCATING SYSTEM

Bernard M. Oliver, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application February 24, 1944, Serial No. 523,722. Divided and this application March 19, 1945, Serial No. 583,472

3 Claims. (Cl. 343—7)



1. In combination, a rotating element the axis of which it is desired to keep aimed at an object, means including said element for forming a voltage wave comprising a plurality of short pulses of varying amplitude but of the same polarity spaced apart by time intervals which are long compared to the duration of a pulse, said voltage wave having a low frequency envelope, means for generating two reference waves by the rotation of said element, said reference waves being 90 degrees displaced from one another and of the same frequency as the envelope in said voltage wave, separate motor means for shifting the position of the axis of said rotating element through horizontal and vertical angles, means for modifying the said voltage wave to a wave comprising a plurality of steps, each step corresponding in amplitude to that of a pulse in said voltage wave and the steps being separated by time intervals which are short compared to the duration of each step, means for comparing the phase of said stepped wave and each of said reference waves to produce two signal voltages the amplitude and direction of which varies with the error in printing said element towards said object in vertical and horizontal angles, respectively, and means for utilizing said two signal voltages to drive said two motor means to shift the position of the axis of said rotating element in such a direction as to reduce the error in horizontal and vertical angles to substantially zero.

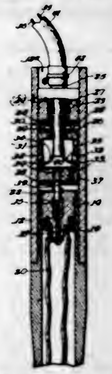
2,459,118

• ELECTRIC SWIVEL CONNECTION

Frank J. Rehm, Jr., Elmwood Park, Ill., assignor to Sittler Manufacturing Corp., Chicago, Ill., a corporation of Illinois

Application February 2, 1946, Serial No. 645,023

9 Claims. (Cl. 173—324)



3. A swivel connection of a character described, embodying a sectional tubular housing, a bearing member and a contact carrying member secured within the respective housing sections, against rotation with respect thereto and spaced from each other in a direction lengthwise of the housing, conductor members electrically connected with the said contacts, a rotatable contact carrying member disposed in one of the housing sections and in the space between said bearing member and the first said contact carrying member, and conductors electrically connected with the contacts on said rotatable member, the last said conductors passing through the said bearing member, the parts of the connection in the respective housing section being removable therefrom as separate and assembled units, when the housing sections are separated.

2,459,119

CORROSION RETARDER

John T. Rucker, Lewiston, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York

No Drawing. Application September 27, 1946, Serial No. 699,640

3 Claims. (Cl. 252—148)

1. As a new composition of matter, useful as a retarder of corrosion of metals by acids, a substantially eutectic mixture consisting of lauryl pyridinium chloride and benzyl thiocyanate in substantially equal proportions by weight.

2,459,120

METHOD OF MAKING WEATHER STRIPS

Louis Spraragen, Bridgeport, Conn., assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn., a corporation of Connecticut

Original application March 23, 1942, Serial No. 435,782. Divided and this application September 28, 1945, Serial No. 619,228

4 Claims. (Cl. 154—84)

1. In the method of forming a weather strip, the steps of placing an attaching flange on each side of a separator strip; molding a bead of sponge rubber about one edge of the assembly so that the bead extends equally on each side of the separator strip and is symmetrical with respect thereto; removing the separator strip and separating the flanges and half bead molded thereto; and enclosing each of the beads and flanges with a cover material.

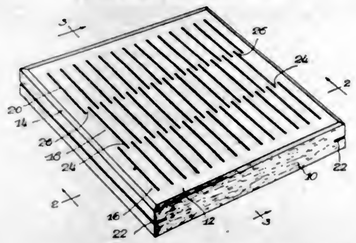
2,459,121

ACOUSTICAL TILE

Grant S. Willey, Chicago, and Orcutt W. Frost, Highland Park, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application September 17, 1943, Serial No. 502,728

4 Claims. (Cl. 181—33)



1. A sound absorbent consisting essentially of interlaced fibrillated lignocellusic fibers formed into a rigid cellular porous mat, the said mat having on one surface therein a series of discontinuous, parallel slots, the said slots sloping within the body of said mat to within the other surface thereof.

2,459,122

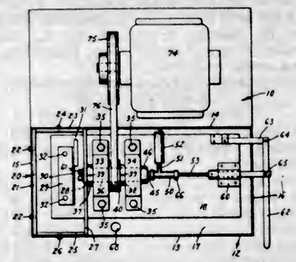
ABRASIVE TUBE DRILL MEANS

Hugh V. Allison, Fairfield, Conn., assignor to The Allison Company, Bridgeport, Conn., a corporation of Connecticut

Application May 10, 1947, Serial No. 747,292

17 Claims. (Cl. 125—20)

1. In an abrasive drilling machine, a base, a chuck, means mounting said chuck for rotation on the base, spaced axially extending ribs on the inner surface of said chuck, a tube drill in said chuck and comprising elongated transversely curved sections each located between a pair of said ribs to be driven through their longitudinal edges by the ribs as the chuck is rotated, said sections slidable longitudinally in said chuck between said ribs while said chuck is rotating and carrying said sections with it, a work holder on the base spaced from one end of said chuck, and means for moving said drill through said end of the chuck toward said work holder while said chuck and drill are rotating.



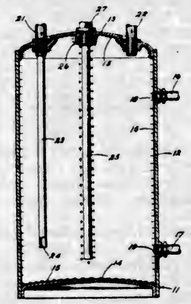
2,459,123

WATER HEATING DEVICE WITH CORROSION PROTECTIVE ANODE

Herbert T. Bates, Lincoln, Nebr., and Daniel J. Fergus and Albert F. Craver, Cleveland, Ohio, assignors to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio

Application September 10, 1946, Serial No. 696,064

5 Claims. (Cl. 204—197)



3. In combination, a hot water heating device into which water is to be charged and from which heated water is to be discharged, comprising a ferrous metal tank adapted to contain conventionally available water to be heated and maintained hot for indeterminate periods of time, a zinc lining on the interior of the tank, and a magnesium alloy electrode in the tank to suppress corrosion of the zinc and ferrous metal when the tank contains water, the electrode being directly electrically connected with the tank, the essentially active elements of the magnesium alloy electrode being at least 60% magnesium to provide magnesium ions when the electrode is in use in the water heating tank, and the remainder of said essentially active elements being adapted to

wave, separate motor means for shifting the po-

1. As a new composition of matter, useful as a retarder of corrosion of metals by acids, a sub-

chuck, means mounting said chuck for rotation

essentially active elements being adapted to

regulate the rate of consumption of the magnesium and being at least one of the group consisting of aluminum, zinc, manganese and cadmium.

2,459,124
MANUFACTURE OF CHLORINE DIOXIDE
George M. Booth, Westfield, N. J., assignor to Novadel-Agene Corporation, Belleville, N. J., a corporation of Delaware
No Drawing. Application October 20, 1947, Serial No. 781,007
9 Claims. (Cl. 23—152)

1. A method of producing chlorine dioxide comprising reacting nitrogen trichloride with sodium chlorite.

3. A method of producing chlorine dioxide comprising passing successive quanities of gaseous nitrogen trichloride into contact with sodium chlorite to react therewith and removing from the reaction zone successively produced quantities of chlorine dioxide in gaseous form, while preventing accumulation of sodium hydroxide in the presence of the sodium chlorite, by maintaining the reaction zone substantially free of water which would enter the reaction to produce sodium hydroxide.

2,459,125
FILM OF COPOLYMER OF VINYLIDENE CHLORIDE AND VINYL CHLORIDE
La Verne E. Cheyney, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 24, 1944, Serial No. 560,205
4 Claims. (Cl. 260—45.5)

2. A homogeneous resin film comprised essentially of an intimately blended mixture of 30 to 70 parts by weight of a copolymer of 50 to 70 percent (by weight of the polymerizable components) of vinylidene chloride and from 50 to 30 percent of vinyl chloride, and from 70 to 30 parts of at least one resin of the group consisting of polyvinyl chloride and a copolymer of over 70 percent of vinyl chloride and up to 30 percent of another mono-olefinic monomer.

2,459,126
COPOLYMERS OF VINYL COMPOUNDS CONTAINING OLEFINS
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 25, 1940, Serial No. 342,271
7 Claims. (Cl. 260—84.5)

1. A method of preparing a synthetic rubber material which comprises polymerizing in an aqueous emulsion a mixture of about 25 percent to 75 percent of an acrylonitrile having the formula

where x is a whole number from 0 to 1 inclusive with about 75 percent to 25 percent of a cracked-petroleum fraction containing about 40 percent to 95 percent of butadiene and about 5 percent to 60 percent of olefins of 3 to 5 carbon atoms.

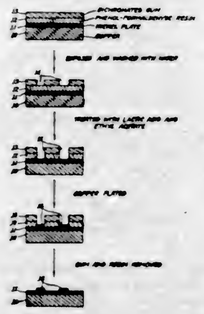
2,459,127
COLOR STABILIZATION OF VINYL HALIDE RESINS
Fred W. Cox, Birmingham, Ala., and James M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application September 18, 1945, Serial No. 617,168
12 Claims. (Cl. 260—78.5)

1. A vinyl chloride resin capable of resisting discoloration upon heating which comprises a copolymer of 70 to 98 percent of vinyl chloride and from 2 to 30 percent of another polymerizable mono-olenfic compound, said resin containing from 0.05 to 10 percent by weight based on the copolymer, of zirconium oxide.

2,459,128
METHOD FOR PRODUCING NITRILES
Marvin Jay Fahrenbach, Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 18, 1946, Serial No. 670,533
10 Claims. (Cl. 260—297)

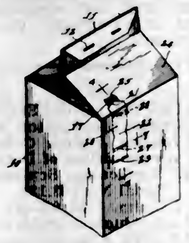
1. A method of dehydrating monoamides which comprises heating the amide with phosphorus oxychloride in the presence of an inorganic sulfite and recovering the resulting nitrile.

2,459,129
PRODUCTION OF PHOTOGRAPHIC STENCILS
Donald Charles Gresham and Erich Eduard Loening, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 30, 1944, Serial No. 566,027
In Great Britain December 9, 1943
2 Claims. (Cl. 204—11)



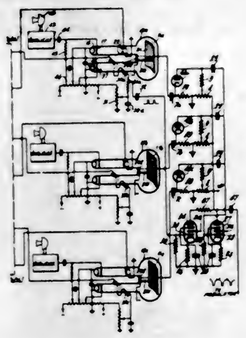
1. The method of producing a stencil in an element comprising a support, a first phenol-formaldehyde layer carried thereby, and a second light-sensitive bichromated glue layer superimposed thereon comprising the light printing of an image in the second layer and the transformation of said light image to a hardened relief image, characterised by the treatment of said element after formation of said relief image, with an etching bath of 90% lactic acid and 10% ethyl acetate that etches any unhardened portions of the outermost layer and also the portions of the first layer exposed through said relief image.

2,459,130
CREAM DISPENSER
John Paul Jones, Omaha, Nebr., assignor to The Dairy Specialties Company, Incorporated, Omaha, Nebr., a corporation of Nebraska
Application January 12, 1946, Serial No. 640,934
6 Claims. (Cl. 229—7)



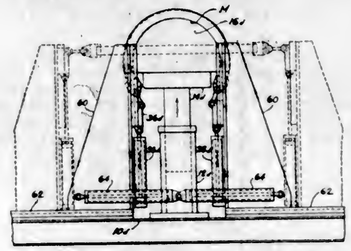
1. In a milk and cream dispensing container of the normally upright paper bottle type, means forming a normally sealed dispensing opening at one side of the top of the container, the walls of the container being wrapped around and overlapped at the vertically opposite side of the container, a narrow flap in the outer vertical overlapping wall, and a pair of horizontal openings in the inner vertical wall, one at the lower cream level and the other above the upper cream level, both of said openings being normally closed by the flap and uncovered when the flap is swung downwardly therefrom.

2,459,131
ELECTRONIC DISTRIBUTOR FOR MULTIPLEX PULSE COMMUNICATION SYSTEMS
Max H. Mesner, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 24, 1946, Serial No. 698,931
17 Claims. (Cl. 179—15)



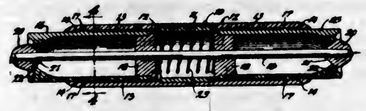
11. In a multiplex communication system, a double-gun cathode ray tube for each channel, each tube having a "put-on" gun, a "take-off" gun in each said tube, and means including sawtooth wave generators for deflecting the beams of the different "take-off" guns so that their sweeps are sequential and occupy mutually exclusive portions of the scanning cycle.

2,459,132
METAL BENDING AND STRETCHING APPARATUS
James S. Nielsen, Stow, Ohio, assignor to Goodyear Aircraft Corporation, Akron, Ohio, a corporation of Delaware
Application June 7, 1943, Serial No. 489,911
3 Claims. (Cl. 153—48)



1. Metal forming apparatus including a pair of gripping jaws adapted to grip opposite ends of a length of metal to be formed, a die, hydraulic means for moving the die toward and from a metal length gripped between the jaws, mounting means pivotally supporting each jaw for tilting movement toward and from the die, a hydraulic means associated with each of the mounting means for moving said mounting means in a direction substantially parallel to the direction of movement of the die, and a hydraulic means associated with each mounting means for moving it in a direction at substantially right angles to the movement of the die.

2,459,133
SALT AND PEPPER SHAKER
Curt E. Nyberg, Chicago, Ill., assignor of one-half to William Jameson, Miami, Fla.
Application October 4, 1946, Serial No. 701,364
7 Claims. (Cl. 65—45)



1. In a dispensing device, a cylinder, a pair of containers mounted therein in spaced and slidable relation and having their outer ends each provided with an opening, a closure member in each of said openings, and a rod slidably mounted in said containers and connecting said closures whereby movement of said rod to advance either of said containers toward the other opens the closure in the latter container.

2,459,134
PAWL RELEASE FOR PENDULUM ARMS OF TESTING MACHINES
Robert W. Rogers, Barrington, and Charles C. Blanch, Providence, R. I., assignors to Scott Testers, Inc., a corporation of Rhode Island
Application June 13, 1947, Serial No. 754,334
6 Claims. (Cl. 73—98)

1. In a testing machine of the character described, a pivotally mounted arm, a pair of specimen clamps, means for applying load to the specimen through one of the clamps, means for interconnecting the other clamp with said arm for

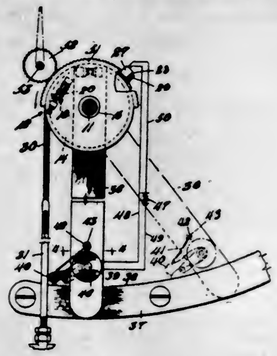
with about 75 percent to 25 percent of a cracked-petroleum fraction containing about 40 percent to 95 percent of butadiene and about 5 percent to 60 percent of olefins of 3 to 5 carbon atoms.

etching bath of 90% lactic acid and 10% ethyl acetate that etches any unhardened portions of the outermost layer and also the portions of the first layer exposed through said relief image.

tooth wave generators for deflecting the beams of the different "take-off" guns so that their sweeps are sequential and occupy mutually exclusive portions of the scanning cycle.

scribed, a pivotally mounted arm, a pair of specimen clamps, means for applying load to the specimen through one of the clamps, means for interconnecting the other clamp with said arm for

swinging said arm about its pivot as load is applied to a specimen, a segment having ratchet teeth, a pawl carried by said arm to engage said teeth and hold the arm in the position to which it is swung about its pivot, means responsive to



the application of load for lifting said pawl from engagement with said teeth and responsive to release of the load for movement of the pawl into engagement with said teeth whereby the friction of dragging the pawl over the teeth as load is applied is eliminated.

2,459,135
PURIFICATION OF CARBAZOLE
Bernard W. Rottschaefer, East Greenbush, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application February 3, 1945, Serial No. 576,153
4 Claims. (Cl. 260—318)

1. The method of purifying carbazole containing 2-amino diphenyl as an impurity which comprises dissolving said impure carbazole in a water-immiscible volatile organic solvent therefor, mixing the thus-formed solution with a dilute aqueous solution of a strong mineral acid in an amount sufficient to dissolve said amino diphenyl present in said carbazole and of such predetermined concentration that the resulting mixture has a pH less than 2 and said amino diphenyl is soluble while carbazole is insoluble therein, distilling off the organic solvent from said mixture while maintaining the amount of acid in said mixture being distilled substantially constant and adding water to maintain the volume of said mixture substantially constant, thereby producing a slurry of carbazole in dilute acid, and separating said dilute acid with said amino diphenyl dissolved therein from said carbazole.

2,459,136
DRY DEVELOPING NEGATIVE
Sam Charles Slifkin, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 7, 1944, Serial No. 553,121
1 Claim. (Cl. 95—6)

A process of reproduction which comprises subjecting a base having a coating comprising mercuric chloride, ammonium oxalate and ferric oxalate to light from an image to be reproduced, then exposing said composition to ammonia.

2,459,137
PROCESS OF PRODUCING RESINOUS PRODUCTS FROM ACETYLENE AND SECONDARY AND TERTIARY ALKYL PHENOLS
Abraham O. Zoss, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application March 30, 1946, Serial No. 658,588
8 Claims. (Cl. 260—62)

1. The method of producing resinous condensation products, which comprises causing acetylene to act at a temperature between 150° and 300° C. and at a superatmospheric pressure on a compound selected from the group consisting of phenols and cresols having an alkyl substituent selected from the class consisting of secondary and tertiary alkyl groups containing 3 to 12 carbon atoms, but which are free of substituents other than alkyl groups and which are unsubstituted in two of the positions ortho and para to a hydroxy group, in the presence of a strongly alkaline-reacting alkali metal compound as a catalyst.

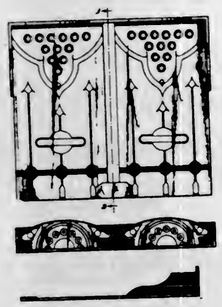
DESIGNS

JANUARY 11, 1949

152,313
DESIGN FOR A COMBINATION ASH TRAY AND COASTER
Gustaf E. Andre, Chicago, Ill.
Application August 28, 1947, Serial No. 141,099
Term of patent 14 years
(Cl. D85—2)

The ornamental design for a combination ash tray and coaster, substantially as shown.

152,314
DESIGN FOR A BALL GAME BOARD
George Ray Armstrong, McKeesport, Pa.
Application November 1, 1946, Serial No. 134,461
Term of patent 14 years
(Cl. D34—5)



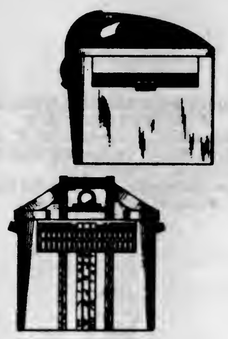
The ornamental design for a ball game board, as shown.

152,315
DESIGN FOR AN ELECTRICAL-CONNECTOR BODY
Herbert S. Barnhart, Scarsdale, N. Y., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application March 30, 1948, Serial No. 145,453
Term of patent 14 years
(Cl. D26—1)

The ornamental design for an electrical-connector body, substantially as shown and described.

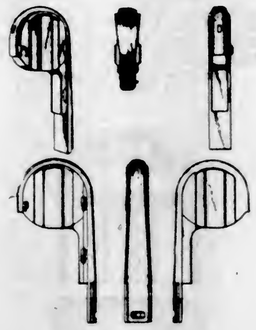
152,316
DESIGN FOR A VEHICLE HEATER
Adolph G. Bergstrom, Rockford, Ill.
Application April 29, 1946, Serial No. 129,077
Term of patent 7 years
(Cl. D14—6)

152,316—Continued



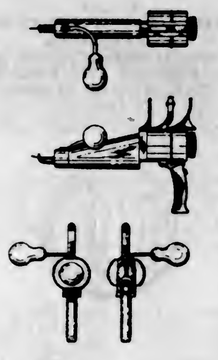
The ornamental design for a vehicle heater, substantially as shown and described.

152,317
DESIGN FOR A HOOD FOR A POWER MEAT CUTTER
Vincent G. Biro, Ottawa County, Ohio, assignor to The Biro Manufacturing Company, Marblehead, Ohio, a corporation of Ohio
Application October 19, 1945, Serial No. 123,021
Term of patent 14 years
(Cl. D55—1)



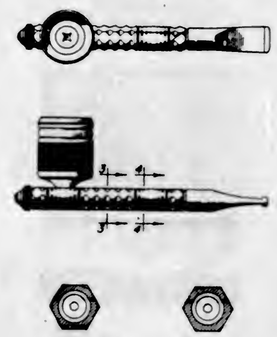
The ornamental design for a hood for a power meat cutter, as shown.

152,318
DESIGN FOR A HAND OPERATED RUG HOOKER
Joseph Blumfield, Los Angeles, Calif.
Application June 16, 1947, Serial No. 139,717
Term of patent 7 years
(Cl. D2—19)



The ornamental design for a hand operated rug hooker, substantially as shown.

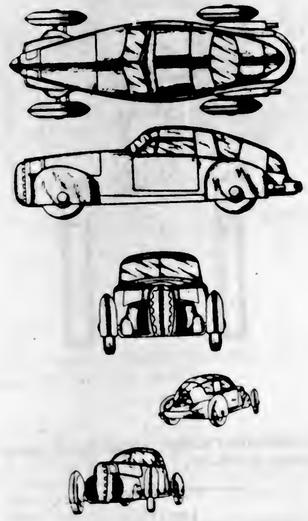
152,319
DESIGN FOR A SMOKING PIPE
Clarence W. Booker, San Diego, Calif.
Application August 2, 1948, Serial No. 147,880
Term of patent 14 years
(Cl. D85—8)



The ornamental design for a smoking pipe, substantially as shown.

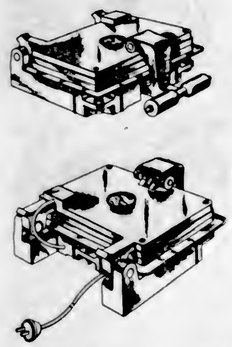
The ornamental design for a ball game board, as shown.

152,320
DESIGN FOR AN AUTOMOBILE
Gordon M. Buehrig, South Bend, Ind., assignor to The Tasco Corporation, Hartford, Conn., a corporation of Connecticut
Application November 16, 1946, Serial No. 134,833
Term of patent 3½ years
(Cl. D14—3)



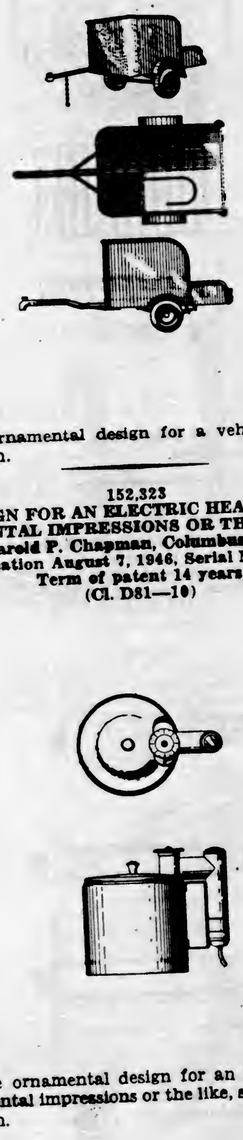
The ornamental design for an automobile, as shown.

152,321
DESIGN FOR A BAKING UNIT
John F. Cavanagh, Providence, R. I.
Application May 1, 1947, Serial No. 138,741
Term of patent 14 years
(Cl. D61—10)



The ornamental design for a baking unit, substantially as shown.

152,322
DESIGN FOR A VEHICLE TRAILER
Edward Chapin, Buffalo, N. Y.
Application May 8, 1947, Serial No. 138,904
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a vehicle trailer, as shown.

152,323
DESIGN FOR AN ELECTRIC HEATER FOR DENTAL IMPRESSIONS OR THE LIKE
Harold P. Chapman, Columbus, Ohio
Application August 7, 1946, Serial No. 132,348
Term of patent 14 years
(Cl. D61—10)

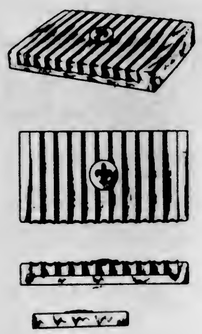
The ornamental design for an electric heater for dental impressions or the like, substantially as shown.

152,330

The ornamental design for a hood for a power meat cutter, as shown.

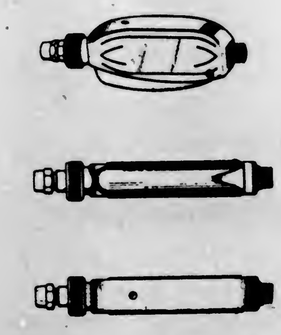
The ornamental design for a smoking pipe, substantially as shown.

152,324
DESIGN FOR A WATCH BOX OR SIMILAR ARTICLE
Richmond L. Chipman, Jr., Montclair, N. J.
Application March 29, 1947, Serial No. 138,026
Term of patent 7 years
(Cl. D58—12)



The ornamental design for a watch box or similar article, as shown.

152,325
DESIGN FOR A WATER SPRAY GUN
William M. Cissell, St. Mathews, near Louisville, Ky.
Application February 11, 1946, Serial No. 126,437
Term of patent 14 years
(Cl. D62—2)



The ornamental design for a water spray gun, substantially as shown.

152,326
DESIGN FOR A WATER SPRAY GUN
William M. Cissell, St. Mathews, near Louisville, Ky.
Application February 11, 1946, Serial No. 126,438
Term of patent 14 years
(Cl. D62—2)

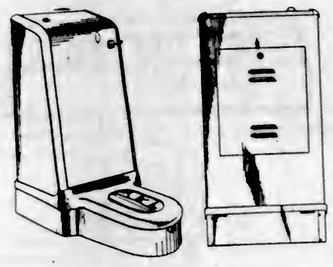
The ornamental design for a water spray gun, substantially as shown.

152,327
DESIGN FOR A CONTAINER CAP
William N. Connolly, Racine, Wis., assignor to S. C. Johnson & Son, Inc., Racine, Wis.
Application August 10, 1946, Serial No. 132,408
Term of patent 14 years
(Cl. D58—26)

The ornamental design for a container cap, as shown.

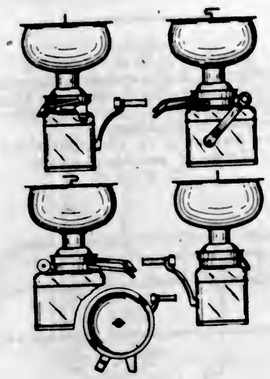
The ornamental design for a baking unit, substantially as shown.

152,328
DESIGN FOR A SHOE SHINING MACHINE
Porter De Douglass, Hayward, Calif.
Application June 5, 1947, Serial No. 139,477
Term of patent 14 years
(Cl. D9—2)



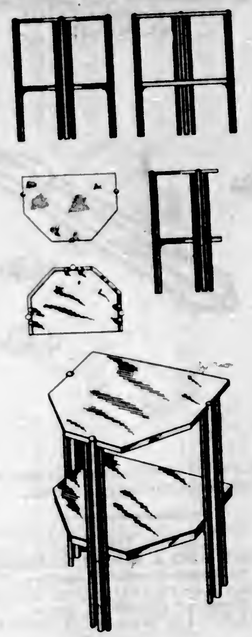
The ornamental design for a shoe shining machine, as shown and described.

152,329
DESIGN FOR A CREAM SEPARATOR
Herman R. Diiger, Stanley E. Kline, and Thomas M. Leonard, Waterloo, Iowa, assignors to Associated Manufacturers Inc., Waterloo, Iowa, a corporation of Iowa
Application September 27, 1946, Serial No. 133,602
Term of patent 14 years
(Cl. D23—1)



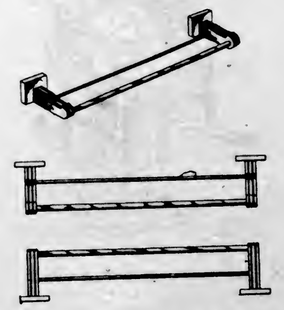
The ornamental design for a cream separator, as shown.

152,330
DESIGN FOR A GLASS TOP END TABLE
Roy A. Dillon, Racine, Wis.
Application November 23, 1946, Serial No. 135,033
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a glass top end table, as shown and described.

152,331
DESIGN FOR A TOWEL RACK
Travice R. Eakins, Bowling Green, Ky.
Application March 4, 1947, Serial No. 137,333
Term of patent 14 years
(Cl. D33—16)

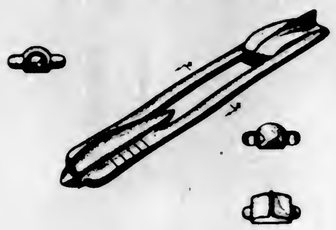


The ornamental design for a towel rack, as shown.

The ornamental design for a water spray gun, substantially as shown.

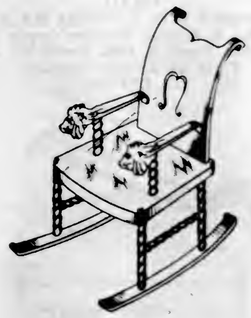
The ornamental design for a container cap, as shown.

152,332
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application January 6, 1947, Serial No. 135,964
Term of patent 7 years
(Cl. D26—14)



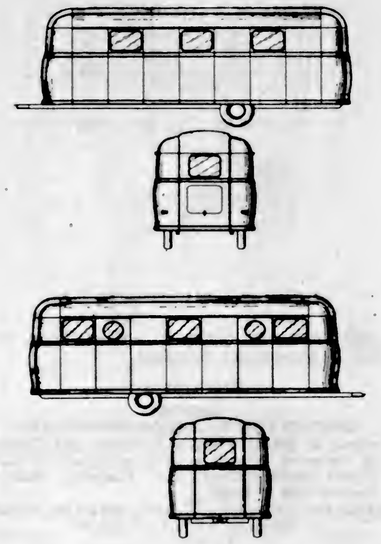
The ornamental design for a phonograph tone arm or the like, substantially as shown.

152,333
DESIGN FOR A ROCKING CHAIR
Louise M. Jones Foulke, Brooklyn, N. Y.
Application May 23, 1947, Serial No. 139,237
Term of patent 14 years
(Cl. D15—6)



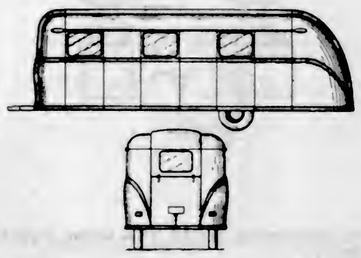
The ornamental design for a rocking chair, as shown.

152,334
DESIGN FOR A TRAILER
Frank D. Hanson, Independence, Mo., and David D. Arehart and Ralph T. Dittmer, Flint, Mich., assignors to Palace Corporation, Flint, Mich., a corporation of Michigan
Application November 25, 1947, Serial No. 142,803
Term of patent 14 years
(Cl. D14—3)

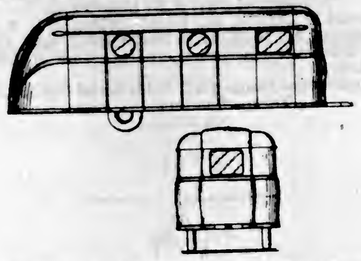


The ornamental design for a trailer, substantially as shown.

152,335
DESIGN FOR A TRAILER
Frank D. Hanson, Independence, Mo., and David D. Arehart and Ralph T. Dittmer, Flint, Mich., assignors to Palace Corporation, Flint, Mich., a corporation of Michigan
Application November 25, 1947, Serial No. 142,804
Term of patent 14 years
(Cl. D14—3)

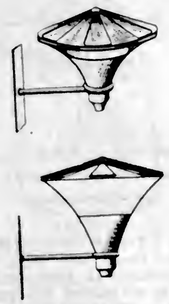


152,335—Continued



The ornamental design for a trailer, substantially as shown.

152,336
DESIGN FOR A LAMP
Stella J. Hirshfield, New York, N. Y.
Application March 1, 1947, Serial No. 137,266
Term of patent 14 years
(Cl. D48—4)

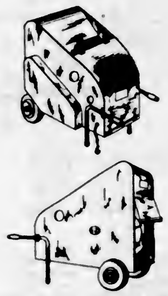


The ornamental design for a lamp, as shown.

152,337
DESIGN FOR A NECKLACE
William W. Hobé, New York, N. Y.
Application October 15, 1948, Serial No. 149,137
Term of patent 3½ years
(Cl. D45—16)

The ornamental design for a necklace, substantially as shown and described.

152,338
DESIGN FOR A POWER PULVERIZER FOR COMPOST AND THE LIKE
Leonard G. Hough and Robert J. Collins, Toronto, Ontario, Canada
Application August 15, 1946, Serial No. 132,547.
Term of patent 14 years
(Cl. D55—1)



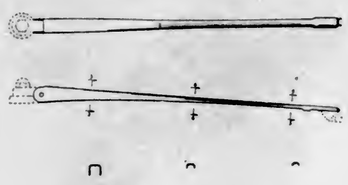
The ornamental design for a power pulverizer for compost and the like, as shown.

152,339
DESIGN FOR A COMBINED LAMP AND SHADE
Emanuel Kehlmann, New York, N. Y.
Application December 18, 1947, Serial No. 143,210
Term of patent 3½ years
(Cl. D48—20)

The ornamental design for a combined lamp and shade, substantially as shown and described.

152,346

152,340
DESIGN FOR A WINDSHIELD WIPER ARM
Fred A. Krohm, Gary, Ind., assignor to Productive Inventions, Inc., a corporation of Indiana
Application May 13, 1947, Serial No. 139,011
Term of patent 14 years
(Cl. D14—6)

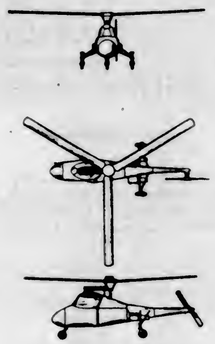


The ornamental design for a windshield wiper arm, substantially as shown and described.

152,341
DESIGN FOR A TELEVISION RECEIVER
Johan C. Kromhout, Forest Hills, N. Y., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application May 9, 1947, Serial No. 138,935
Term of patent 14 years
(Cl. D56—4)

The ornamental design for a television receiver, substantially as shown and described.

152,342
DESIGN FOR A HELICOPTER
Harold E. Lemont, Jr., East Providence, R. I., assignor to Helicopter Engineering and Construction Corporation, a corporation of Rhode Island
Application January 27, 1947, Serial No. 136,455
Term of patent 3½ years
(Cl. D71—1)



The ornamental design for a helicopter, substantially as shown and described.

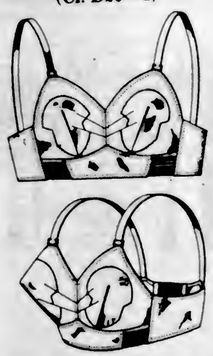
152,343
DESIGN FOR A LAMP OR SIMILAR ARTICLE
Samuel Lewis, New York, N. Y.
Application February 14, 1948, Serial No. 144,490
Term of patent 3½ years
(Cl. D48—20)

The ornamental design for a lamp or similar article, substantially as shown and described.

152,344
DESIGN FOR AN ELECTRIC FAN OR SIMILAR ARTICLE
Carl A. Lindberg, Toledo, Ohio
Application August 4, 1947, Serial No. 140,691
Term of patent 14 years
(Cl. D26—7)

The ornamental design for an electric fan or similar article, as shown.

152,345
DESIGN FOR A BRASSIÈRE
Jack J. Lo Cascio, Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y., a corporation of New York
Application November 25, 1947, Serial No. 142,791
Term of patent 14 years
(Cl. D20—4)

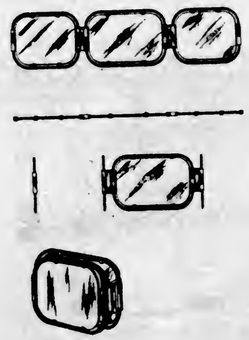


The ornamental design for a brassière, as shown.

152,346
DESIGN FOR A RECLINING CHAIR OR SIMILAR ARTICLE
Eugene J. Lux, New York, N. Y., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application March 28, 1947, Serial No. 138,021
Term of patent 7 years
(Cl. D15—11)

The ornamental design for a reclining chair or similar article substantially as shown and described.

152,347
DESIGN FOR A MIRROR
Frank A. Marty, Los Angeles, Calif.
Application February 26, 1947, Serial No. 137,172
Term of patent 3½ years
(Cl. D33—9)

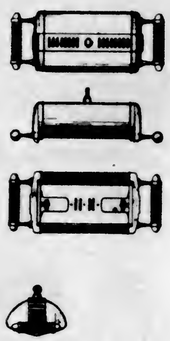


The ornamental design for a mirror, substantially as shown.

substantially as shown and described.

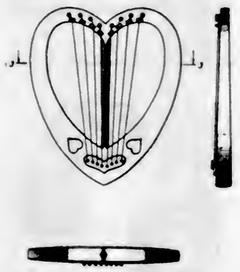
article, substantially as shown and described.

152,348
DESIGN FOR A REFLECTOR HEAD FOR AN ULTRAVIOLET LAMP
Jacob A. Mehr, St. Louis, Mo.
Application August 30, 1947, Serial No. 141,134
Term of patent 7 years
(Cl. D48—20)



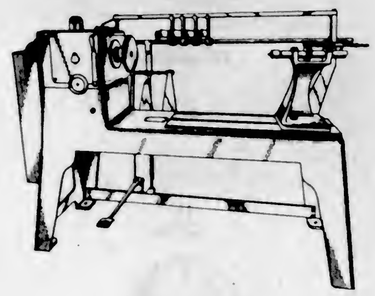
The ornamental design for a reflector head for an ultraviolet lamp, as shown.

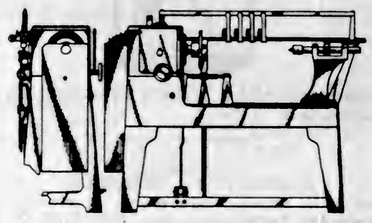
152,349
DESIGN FOR A HARP
Juanita Miller, Oakland, Calif.
Application April 8, 1947, Serial No. 138,220
Term of patent 14 years
(Cl. D56—1)

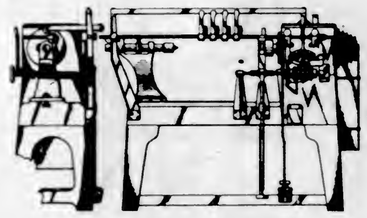


The ornamental design for a harp, as shown.

152,350
DESIGN FOR A COIL WINDING MACHINE
Harry W. Moore, Dayton, Ohio
Application December 29, 1945, Serial No. 125,164
Term of patent 14 years
(Cl. D54—6)

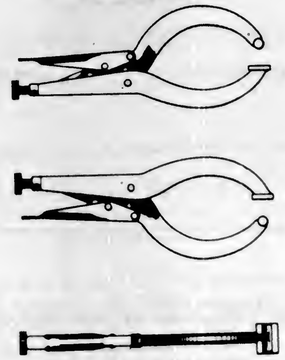






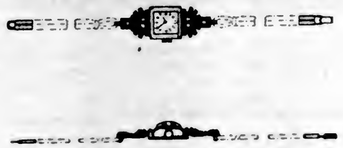
The ornamental design for a coil winding machine, as shown.

152,351
DESIGN FOR A CLAMP
John Oros and Gordon R. Dawson, Cleveland, Ohio
Application November 28, 1947, Serial No. 142,848
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a clamp, substantially as shown.

152,352
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application June 25, 1948, Serial No. 147,185
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

152,353
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application July 9, 1948, Serial No. 147,462
Term of patent 7 years
(Cl. D42—8)

The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

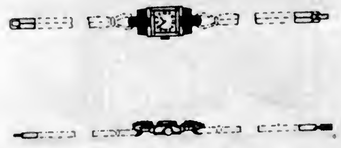
152,354
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application July 9, 1948, Serial No. 147,463
Term of patent 7 years
(Cl. D42—8)

The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

152,355
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application July 9, 1948, Serial No. 147,464
Term of patent 7 years
(Cl. D42—8)

The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

152,356
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application July 9, 1948, Serial No. 147,466
Term of patent 7 years
(Cl. D42—8)



The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

The ornamental design for a harp, as shown.

The ornamental design for a coil winding machine, as shown.

152,357
DESIGN FOR A COMBINED WRIST WATCH AND HOLDER STRAP THEREFOR
Oreste Pennino, New York, N. Y.
Application July 24, 1948, Serial No. 147,760
Term of patent 7 years
(Cl. D42—8)

The ornamental design for a combined wrist watch and holder strap therefor, substantially as shown and described.

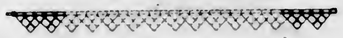
152,358
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 1, 1948, Serial No. 148,901
Term of patent 7 years
(Cl. D45—9)

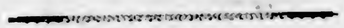
The ornamental design for an earring or similar article, substantially as shown.

152,359
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 1, 1948, Serial No. 148,902
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

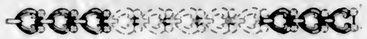
152,360
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 1, 1948, Serial No. 148,903
Term of patent 7 years
(Cl. D45—16)





The ornamental design for a necklace or similar article, substantially as shown and described.

152,361
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 1, 1948, Serial No. 148,904
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown and described.

152,362
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 7, 1948, Serial No. 149,003
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,363
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application October 7, 1948, Serial No. 149,004
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,364
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 6, 1948, Serial No. 149,519
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,365
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 6, 1948, Serial No. 149,520
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

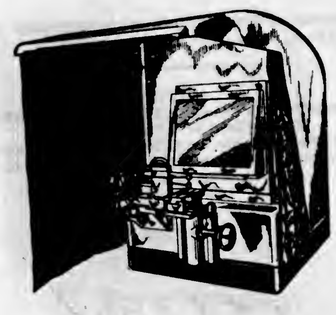
152,366
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 6, 1948, Serial No. 149,522
Term of patent 7 years
(Cl. D45—19)

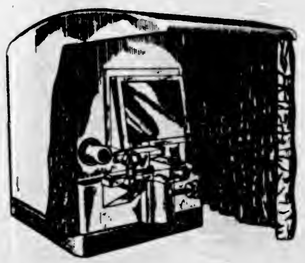
The ornamental design for a brooch or similar article, substantially as shown.

152,367
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 6, 1948, Serial No. 149,523
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,368
DESIGN FOR AN OPTICAL COMPARATOR
Herbert Rosengren, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company, a corporation of Vermont
Application June 5, 1947, Serial No. 139,476
Term of patent 14 years
(Cl. D57—1)



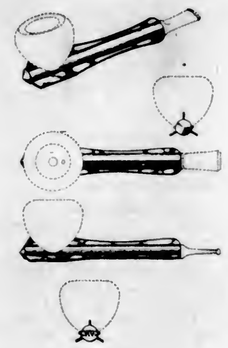


The ornamental design for an optical comparator, substantially as shown.

lar article, substantially as shown and described.

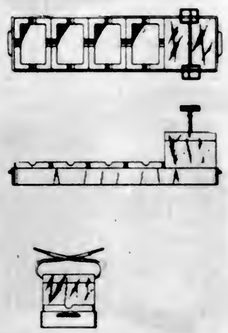
lar article, substantially as shown.

152,369
DESIGN FOR A SMOKER'S PIPE
Merrill G. Sampson, Santa Monica, Calif.
Application May 11, 1948, Serial No. 146,278
Term of patent 14 years
(Cl. D85—8)



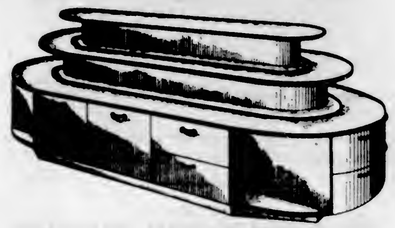
The ornamental design for a smoker's pipe, substantially as shown and described.

152,370
DESIGN FOR A COMBINED ASH TRAY RACK AND CIGARETTE HOLDER
Charles M. Sanders, Ponca City, Okla.
Application November 24, 1947, Serial No. 142,763
Term of patent 14 years
(Cl. D85—2)



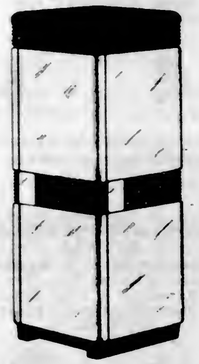
The ornamental design for a combined ash tray rack and cigarette holder, as shown.

152,371
DESIGN FOR A DISPLAY FIXTURE
Howard M. Schick, Lee's Summit, Mo.
Application April 28, 1947, Serial No. 138,653
Term of patent 14 years
(Cl. D80—11)



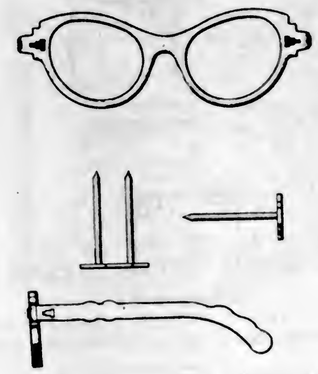
The ornamental design for a display fixture, substantially as shown and described.

152,372
DESIGN FOR A SPACE COOLER CABINET OR THE LIKE
John H. Schreiber, St. Louis, Mo., assignor to General Engineering & Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application April 1, 1947, Serial No. 138,097
Term of patent 7 years
(Cl. D62—4)



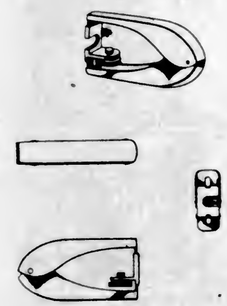
The ornamental design for a space cooler cabinet or the like, substantially as shown and described.

152,373
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Morris Schwartz, Sunnyside, N. Y.
Application May 1, 1948, Serial No. 146,118
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle frame or similar article, as shown and described.

152,374
DESIGN FOR A WIRE STRIPPER
Leslie H. Soore, Chino, Calif., assignor to H. A. Weil, Los Angeles, Calif.
Application July 19, 1947, Serial No. 140,402
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a wire stripper, as shown.

152,375
DESIGN FOR A COMBINED CLEANING AND SCRAPING DEVICE
Sidney C. Seley, Erie, Pa.
Application January 31, 1947, Serial No. 136,552
Term of patent 14 years
(Cl. D9—6)

The ornamental design for a combined cleaning and scraping device, as shown.

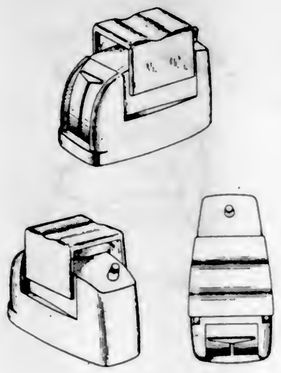
152,376
DESIGN FOR A LADY'S BOOT OR THE LIKE
Ralph J. Sherwin, Toledo, Ohio
Application October 16, 1947, Serial No. 141,941
Term of patent 3½ years
(Cl. D7—4)

The ornamental design for a lady's boot or the like, substantially as shown.

The ornamental design for a combined ash tray rack and cigarette holder, as shown.

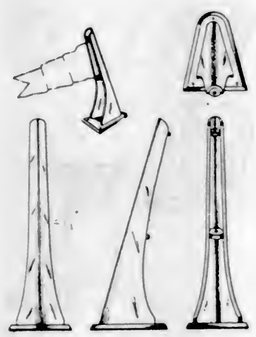
The ornamental design for a space cooler cabinet or the like, substantially as shown and described.

152,377
DESIGN FOR A POSTAL SCALE
Newson Shewitz, Phyllis L. Sloane, and Anthony Vaiksnoras, Jr., Cleveland, Ohio, assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1947, Serial No. 137,614
Term of patent 7 years
(Cl. D52—10)



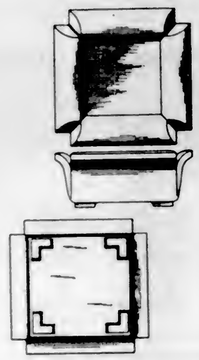
The ornamental design for a postal scale, as shown and described.

152,378
DESIGN FOR A FLAG HOLDER
Claiborne Adams Skinner, Webster Groves, Mo.
Application October 20, 1947, Serial No. 142,011
Term of patent 14 years
(Cl. D29—17)



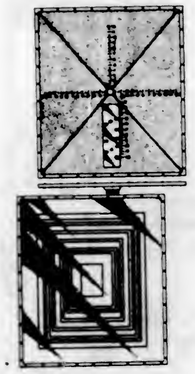
The ornamental design for a flag holder, substantially as shown and described.

152,379
DESIGN FOR AN ASH TRAY
Joseph B. Stier, New York, N. Y.
Application January 14, 1948, Serial No. 143,740
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown.

152,380
DESIGN FOR A CAMERA BACK OR SIMILAR ARTICLE
Clarence G. Strang, Paterson, N. J., assignor to Hamilton Products, Inc., Paterson, N. J., a corporation of New Jersey
Application February 27, 1947, Serial No. 137,195
Term of patent 14 years
(Cl. D61—1)

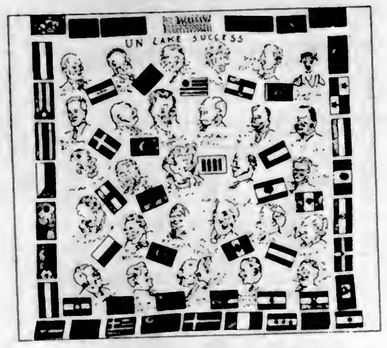


The ornamental design for a camera back or similar article, substantially as shown and described.

The ornamental design for a wire stripper, as shown.

The ornamental design for a lady's boot or the like, substantially as shown.

152,381
DESIGN FOR A SCARF OR SIMILAR ARTICLE
Eugen Tanzer, New York, N. Y.
Application August 15, 1947, Serial No. 140,885
Term of patent 7 years
(Cl. D3—12)



The ornamental design for a scarf or similar article, substantially as shown and described.

152,382
DESIGN FOR A CANDLE HOLDER
Virginia B. Tawresey, Philadelphia, Pa.
Application August 1, 1947, Serial No. 140,659
Term of patent 14 years
(Cl. D48—2)

The ornamental design for a candle holder, substantially as shown.

152,383
DESIGN FOR A HIGH CHAIR
Walter W. Waaranan, Hubbardston, Mass., assignor to Arlington Chair Co., Gardner, Mass., a corporation of Massachusetts
Application December 27, 1946, Serial No. 135,787
Term of patent 14 years
(Cl. D15—8)

The ornamental design for a high chair, as shown.

152,384
DESIGN FOR A RECORD CABINET
William W. Weaver, Houston, Tex.
Application November 18, 1946, Serial No. 134,859
Term of patent 7 years
(Cl. D33—19)

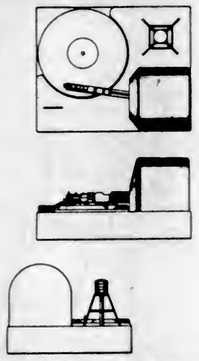
The ornamental design for a record cabinet, as shown.

The ornamental design for a flag holder, substantially as shown and described.

similar article, substantially as shown and described.

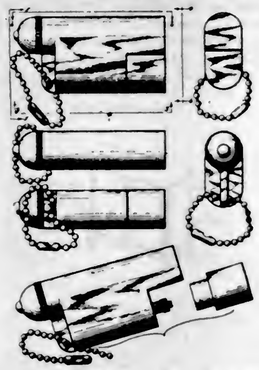
substantially as shown.

152,385
DESIGN FOR A PHONOGRAPH
Henry F. Wheeler, Richmond Heights, Mo., assignor of one-half to A. Edward Gross, Richmond Heights, Mo.
Application February 10, 1947, Serial No. 136,818
Term of patent 7 years
(Cl. D56—4)



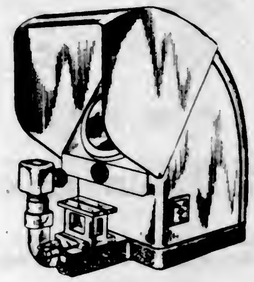
The ornamental design for a phonograph, substantially as shown.

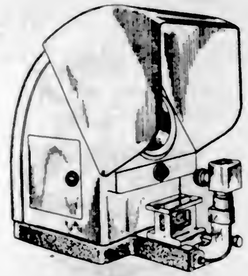
152,386
DESIGN FOR A COMBINED KEY RETAINER, FLASHLIGHT, AND LIGHTER
Robert Zelenka, Chicago, Ill.
Application December 30, 1947, Serial No. 143,452
Term of patent 14 years
(Cl. D48—27)



The ornamental design for a combined key retainer, flashlight, and lighter, substantially as shown.

152,387
DESIGN FOR A COMPARATOR
Herbert Rosengren, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company, a corporation of Vermont
Application November 21, 1947, Serial No. 142,716
Term of patent 14 years
(Cl. D57—1)





The ornamental design for a comparator, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A/S Dansk Skinkekogeri, Copenhagen, Denmark. Meat, chicken, animal fats for food purposes, etc. Serial No. 498,341, Jan. 11. Class 46.
Acme Visible Records, Inc., Chicago, Ill. Filing cabinets and filing cabinet drawers. Serial No. 541,762, Jan. 11. Class 32.
Aetna Ball & Roller Bearing Company, Chicago, Ill. Ball bearings and roller bearings. Serial No. 535,670, Jan. 11. Class 23.
Agnew, Kenneth G., doing business as Agnew & Tomlinson, Long Island City, N. Y. Hydrous colloid. Serial No. 552,726, Jan. 11. Class 6.
Agnew & Tomlinson: *See*—
Agnew, Kenneth G.
Alliance Manufacturing Company, The, Alliance, Ohio. Electric turn-tables. Serial No. 541,904, Jan. 11. Class 21.
Allied Stores Corporation, New York, N. Y., doing business as "The Bon Marche," Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Simulated pearls and ornamental jewelry. Serial No. 535,445, Jan. 11. Class 28.
American Brake Shoe Company, New York, N. Y. Bare and coated metal welding rods. Serial Nos. 533,251–4, Jan. 11. Class 14.
American Brake Shoe Company, New York, N. Y. Coated metal welding rods. Serial No. 533,256, Jan. 11. Class 14.
American Crucible Company, North Haven, Conn. Crucibles. Serial No. 500,724, Jan. 11. Class 34.
American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 537,002, Jan. 11. Class 43.
American-Marsh Pumps, Inc., Battle Creek, Mich. Centrifugal pumps. Serial No. 531,410, Jan. 11. Class 23.
American Thread Company, The, New York, N. Y. Yarn. Serial No. 557,238, Jan. 11. Class 43.
American Trade Magazines, Inc., Chicago, Ill. Magazines published periodically. Serial Nos. 530,705–6, Jan. 11. Class 38.
Anderson Tool & Die Works, Inc., Providence, R. I. Ornamental jewelry. Serial No. 519,308, Jan. 11. Class 28.
Atlantic Southwestern Broom Co., Baltimore, Md. Brooms. Serial Nos. 546,276–7, Jan. 11. Class 29.
Atomix Inc., Mt. Cuba, Del. Liquid automobile wax and cleaner. Serial No. 538,706, Jan. 11. Class 16.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Toilet water, bath oil, cologne, etc. Serial No. 542,269, Jan. 11. Class 6.
Becker, Arnold W., & Co., Inc., New York, N. Y. Box springs, pillows, sofa beds, etc. Serial No. 542,512, Jan. 11. Class 32.
Bemis Bro. Bag Co., Minneapolis, Minn. Sealing tapes. Serial No. 482,088, Jan. 11. Class 5.
Berndt-Bach, Incorporated, Los Angeles, Calif. 16 mm. sound-on-motion-picture film recording equipment. Serial No. 535,122, Jan. 11. Class 26.
Bickley Manufacturing Co., Bala-Cynwyd, Pa. Combination paper clip and portable backer for writing paper. Serial No. 533,980, Jan. 11. Class 37.
Bisceglia Bros. Wine Company: *See*—
Loviner, William H., assignee.
Black & Decker Manufacturing Company, The, Towson, Md. Portable electric tools. Serial No. 484,438, Jan. 11. Class 21.
Black, Sivalls & Bryson, Inc., Kansas City, Mo. Steel walkways and stairways. Serial No. 552,566, Jan. 11. Class 12.
Blanchard Machine Company, The, Cambridge, Mass. Vertical spindle, surface grinding machines. Serial No. 530,918, Jan. 11. Class 23.
Blue Robin Corporation, New York, N. Y. Rubber erasers. Serial No. 536,664, Jan. 11. Class 37.
Bois Toys, Incorporated, Greenwich, Conn. Toys. Serial No. 536,752, Jan. 11. Class 22.
Boston Woven Hose & Rubber Company, Cambridge, Mass. Rubber belting, stitched canvas belting, and rubber or rubber and fabric hose. Serial No. 557,823, Jan. 11. Class 35.
Bowser, Inc., Fort Wayne, Ind. Measuring and dispensing apparatus. Serial No. 479,328, Jan. 11. Class 26.
Breese Burners, Inc., Santa Fe, N. Mex., assignee of Oil Devices, Liquid fuel control units. Serial No. 517,149, Jan. 11. Class 34.
Brenner Manufacturing Company, St. Louis, Mo. Mechanical toys. Serial No. 511,859, Jan. 11. Class 22.
Brown, Raymond E., doing business as Brown Tool & Mfg. Co., Westfield, Mass. Fish line reels. Serial No. 536,493, Jan. 11. Class 22.
Brown Tool & Mfg. Co.: *See*—
Brown, Raymond E.
Buchsbaum, S. & Co., Chicago, Ill. Wrist watch straps. Serial No. 508,973, Jan. 11. Class 28.
Burlington Mills Corporation, Greensboro, N. C. Textile ribbons. Serial Nos. 560,446–7, Jan. 11. Class 42.
Burroughs Adding Machine Company, Detroit, Mich. Slip covers for namely, adding machines, listing machines, calculating machines, etc. Serial No. 492,306, Jan. 11. Class 26.
Butts Manufacturing Co., Los Angeles, Calif. Laundry appliances. Serial No. 536,042, Jan. 11. Class 24.
Buxton, Incorporated, Springfield, Mass. Cigarette cases. Serial No. 544,051, Jan. 11. Class 8.
Cameo Curtains Inc., New York, N. Y. Window curtains. Serial Nos. 524,683–4, Jan. 11. Class 42.
Cargair, Inc., Los Angeles, Calif. Power operated lift trucks, cargo loaders, roller conveyors, etc. Serial No. 485,192, Jan. 11. Class 23.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Pottery. Serial No. 532,687, Jan. 11. Class 13.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial No. 535,803, Jan. 11. Class 13.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial Nos. 535,805–7, Jan. 11. Class 13.
Casement Hardware Company, The, Chicago, Ill. Casement window units. Serial No. 543,884, Jan. 11. Class 12.
Champagne Vintners: *See*—
Renault, L. N., & Sons, Inc.
Chance, A. B., Company Centralia, Mo. Safety cable suspension seats, linement' pole platforms, platform railings, etc. Serial No. 536,234, Jan. 11. Class 50.
Chase Candy Company, St. Louis, Mo., assignee of Clinton Industries, Inc. Candy. Serial No. 498,586, Jan. 11. Class 46.
Chi-Namel Paint & Varnish Co.: *See*—
Minnesota Linseed Oil Paint Company.
Clay-Adams Company, Inc., New York, N. Y. Microscope, electric light source. Serial No. 523,023, Jan. 11. Class 26.
Clayton, S. C., Co., Inc., Boston, Mass. Marmalade. Serial No. 520,091, Jan. 11. Class 46.
Cleber Watch Co., Inc., New York, N. Y. Watches, clocks, watch cases and watch parts, etc. Serial No. 547,616, Jan. 11. Class 27.
Clinton Industries, Inc.: *See*—
Chase Candy Company.
Club Aluminum Products Company, Chicago, Ill. Glass cookingware. Serial No. 537,966, Jan. 11. Class 33.
Club Aluminum Products Company, Chicago, Ill. Glass cookingware. Serial No. 538,612–13, Jan. 11. Class 33.
Cohen, Saul, doing business as Raynard Optical Co., Brooklyn, N. Y., assignor to S. Cohen and L. F. Stutland, doing business as Raynard Optical Company, New York, N. Y. Optical goods. Serial No. 537,424, Jan. 11. Class 26.
Collette, Edmund J., doing business as Favreau & Collette, Spencer, Mass. Powders for simple headache or simple neuralgia. Serial No. 554,007, Jan. 11. Class 6.
Colonial Pen Corporation, New York, N. Y. Fountain pens and writing pencils. Serial No. 537,009, Jan. 11. Class 37.
Colonial Pen Corporation, New York, N. Y. Fountain pens and writing pencils. Serial Nos. 537,785–6, Jan. 11. Class 37.
Colorado Fuel and Iron Corporation, The, Denver, Colo. Wire rope. Serial No. 552,572, Jan. 11. Class 7.
Complete Service Publishing Company, Chicago, Ill. Magazines, equipment distributor's digest, and handbook. Serial No. 541,815, Jan. 11. Class 38.
Consolidated Mining and Smelting Company of Canada Limited, The, Montreal, Quebec, Canada. Chemical fertilizers. Serial No. 531,314, Jan. 11. Class 10.
Cook Baking Co., Freeport, Ill. Bread and rolls. Serial No. 500,166, Jan. 11. Class 46.
Cooper's, Incorporated, Kenosha, Wis. Men's and boys' underwear, undershirts, union suits, etc. Serial No. 539,027, Jan. 11. Class 39.
Craddock-Terry Shoe Corporation, doing business as Witt's, Lynchburg, Va. Shoes. Serial No. 516,962, Jan. 11. Class 39.
Crompton Company, West Warwick, R. I. Fabrics in the piece. Serial No. 559,787, Jan. 11. Class 42.
Crystal Springs Packing Company: *See*—
Spats, Maurice S.
Curt Teich & Company, Chicago, Ill. Multi-colored post cards and pictorial illustrations. Serial No. 527,092, Jan. 11. Class 38.
Delta Brush Mfg. Corp., New York, N. Y. Paint brushes. Serial No. 546,282, Jan. 11. Class 29.
De Luxe Products Corporation, La Porte, Ind. Oil filters. Serial No. 528,775, Jan. 11. Class 31.
Dey Brothers & Company: *See*—
Allied Stores Corporation.

Bulletin color

Dill Manufacturing Company, The, Cleveland, Ohio. Food handling and serving tools in the nature of tongs. Serial No. 532,388, Jan. 11. Class 23.
Dishman, Roy, doing business as Sho-All Company, Paducah, Ky. Display racks or fixtures for displaying neckties. Serial No. 547,105, Jan. 11. Class 32.
Distillers Company Limited, The, Linden, N. J., and New York, N. Y. Gin. Serial No. 542,543, Jan. 11. Class 49.
Doniger, David D., & Co. Inc., New York, N. Y. Men's and boys' sport jackets. Serial No. 535,006, Jan. 11. Class 39.
Eastern Fixture Company, Roxbury, Boston, Mass. Electric lighting fixtures. Serial No. 534,423, Jan. 11. Class 21.
Eastern States Farmers' Exchange, West Springfield, Mass. Cleansing compound, abrasive files and stones. Serial No. 551,258, Jan. 11. Class 4.
Eckenroth & Co. Inc., Brooklyn, N. Y. Empty record cabinets. Serial No. 518,523, Jan. 11. Class 32.
Electric Steel Foundry, Portland, Oreg. Guy line hooks. Serial No. 528,614, Jan. 11. Class 13.
Elk River Coal & Lumber Company, Dundon, W. Va. Coal. Serial No. 534,757, Jan. 11. Class 1.
Elmo, Inc., Philadelphia, Pa. Toilet lotions. Serial No. 543,027, Jan. 11. Class 6.
Empire Tractor Corporation, New York, N. Y. Automobiles and automobile trailers. Serial No. 506,994, Jan. 11. Class 19.
Enduro-Plastic Co.: *See*—
Tropiano, Anthony.
Enger-Kress Company, West Bend, Wis. Billfolds, purses, match cases, etc. Serial No. 542,301, Jan. 11. Class 3.
Enterprise Publishing Company, The, Brockton, Mass. Daily newspaper. Serial No. 541,527, Jan. 11. Class 38.
Equipment Digest Publishing Company, Cleveland, Ohio. Publication published monthly. Serial No. 536,356, Jan. 11. Class 38.
Exterminator's Equipment and Safety Supply Company, Chicago, Ill. Empty poison containers. Serial No. 541,530, Jan. 11. Class 2.
Faesy & Besthoff, Inc., New York, N. Y. Calcium chloride. Serial No. 538,115, Jan. 11. Class 6.
Fair, The, Chicago, Ill. Razor blades. Serial No. 540,532, Jan. 11. Class 23.
Fairfield Industries, Fairfield, Conn. Living room furniture, dining room furniture, and bedroom furniture. Serial No. 554,889, Jan. 11. Class 32.
Faski Company, The, Pasadena, Calif. Waxes. Serial No. 530,927, Jan. 11. Class 16.
Favreau & Collette: *See*—
Collette, Edmund J.
Feferman, Ben, Motor Sales Corporation, South Bend, Ind. Automobile seat covers. Serial No. 547,106, Jan. 11. Class 19.
First Lady Lingerie Corp., New York, N. J. Lingerie. Serial No. 532,580, Jan. 11. Class 39.
Fisher, Robert L., San Francisco, Calif. Polishing pads or buffs. Serial No. 495,462, Jan. 11. Class 29.
Fouts, Eri, Kansas City, Mo. Nursery and greenhouse products. Serial No. 522,232, Jan. 11. Class 1.
Fox Feature Syndicate, Inc., New York, N. Y. Bi-monthly publication. Serial No. 539,687, Jan. 11. Class 38.
Fox, M. Ewing, Co., Inc., New York, N. Y. Decorative wall finish or calcimine in the nature of a paint. Serial No. 530,302, Jan. 11. Class 16.
France, Josiah, Limited, Honley, near Huddersfield, England. Textile piece goods. Serial No. 552,531, Jan. 11. Class 42.
French Jewelry Co., Philadelphia, Pa. Ornamental jewelry. Serial No. 528,439, Jan. 11. Class 28.
Gendron Wheel Company, Perrysburg, Ohio. Invalid folding wheel chairs. Serial No. 534,269, Jan. 11. Class 44.
General Dyestuff Corporation, New York, N. Y. Emulsifying agents. Serial No. 511,079, Jan. 11. Class 6.
General Hardware Mfg. Co. Inc., New York, N. Y. Drill gages, multi-use rule and gage, protractors, etc. Serial No. 519,015, Jan. 11. Class 26.
Gertee Manufacturing Co., New York, N. Y. Sanitary belts. Serial No. 540,538, Jan. 11. Class 44.
Gertz and Cook, Inc., Los Angeles, Calif. Cloth window shades and Venetian blinds. Serial No. 537,447, Jan. 11. Class 32.
Gibbs, Thomas R., Jr., Washington, D. C. Medicinal preparation. Serial No. 559,600, Jan. 11. Class 6.
Gilster Milling Company, Steeleville and Chester, Ill. Soft wheat flour. Serial No. 514,812, Jan. 11. Class 46.
Givaudan-Delawanna, Inc., New York, N. Y. Organic odoriferous and flavor-imparting chemicals, etc. Serial No. 544,816, Jan. 11. Class 6.
Gledhill, Walter, & Sons, Limited, Holmfirth, near Huddersfield, England. Woven fabrics in the piece. Serial No. 552,532, Jan. 11. Class 42.
Goodrich, B. F., Company, The, Akron, Ohio, and New York, N. Y. Impervious corrosion-resistant plastic linings. Serial No. 512,232, Jan. 11. Class 2.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Inner tubes for vehicle tires. Serial No. 548,582, Jan. 11. Class 35.
Gray, Thomas E., doing business as The Thomas E. Gray Agency, Tampa, Fla. Partially printed forms used by insurance agencies. Serial No. 486,766, Jan. 11. Class 37.
Gray, Thomas E., Agency, The: *See*—
Gray, Thomas E.
Griffin, Arthur L., Toledo, Ohio. Hand rests. Serial No. 498,138, Jan. 11. Class 37.
Grumbacher, M., Inc., New York, N. Y. Artists' paints. Serial No. 544,085, Jan. 11. Class 16.
Grundy, Eva H., Seattle, Wash. Games. Serial No. 516,978, Jan. 11. Class 22.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear. Serial No. 537,188, Jan. 11. Class 39.
Harley-Davidson Motor Company, Milwaukee, Wis. Valve grinding compound, and chrome polish and cleaner. Serial No. 531,117, Jan. 11. Class 4.
Harley-Davidson Motor Company, Milwaukee, Wis. Motorcycle generators and spare parts, etc. Serial No. 531,586, Jan. 11. Class 21.
Harris & Gordon, San Francisco, Calif. Fishing tackle. Serial No. 543,443, Jan. 11. Class 22.
Harrison Hosiery Mills, Inc., Brighton, Mass. Ladies' hosiery. Serial No. 533,739, Jan. 11. Class 39.
Harvey Machine Co., Inc., Los Angeles, Calif. Band-strapping and box tying equipment. Serial No. 479,125, Jan. 11. Class 23.
Harville, Reese C., Castonia, N. C. Lotion. Serial No. 531,913, Jan. 11. Class 6.
Haspel Brothers, Inc., New Orleans, La. Men's and boys' suits, coats, pants, etc. Serial No. 540,070, Jan. 11. Class 39.
Hathaway, C. F., Co., Waterville, Maine. Outer shirts. Serial No. 534,436, Jan. 11. Class 39.
Healthways of Hollywood, Los Angeles, Calif. Reflectors. Serial No. 506,448, Jan. 11. Class 44.
Hertz, Nils, doing business as H. Nils, New York, N. Y. Danish sterling silver flatware, hollow ware, tableware, etc. Serial No. 542,942, Jan. 11. Class 28.
Hughes, K., doing business as Hughes Manufacturing Company, Tyler, Tex. Coffee cream dispensers. Serial No. 544,866, Jan. 11. Class 26.
Hughes Manufacturing Company: *See*—
Hughes, K.
Ice Cream Novelties Inc., New York, N. Y. Frozen confection. Serial No. 483,021, Jan. 11. Class 46.
Indian Motocycle Company, Springfield, Mass. Motorcycles and constructive parts thereof. Serial No. 545,002, Jan. 11. Class 19.
Industrial Tape Corporation, New Brunswick, N. J. Heat-sealing tape. Serial No. 530,313, Jan. 11. Class 5.
International Harvester Company, Chicago, Ill. Nuts, nails, staples, etc. Serial No. 474,901, Jan. 11. Class 13.
International Nickel Company, Inc., The, New York, N. Y. Age-hardenable, corrosion-resistant, high-nickel alloys. Serial No. 555,676, Jan. 11. Class 14.
International Silver Company, The, Meriden, Conn. Sterling silver flatware and hollow ware. Serial No. 549,546, Jan. 11. Class 28.
Ivanhoe Mutual Orange Association, Ivanhoe, Calif. Fresh citrus fruits. Serial No. 539,958, Jan. 11. Class 46.
Jacobs, Jack, New York, N. Y. Children's blouses. Serial No. 543,456, Jan. 11. Class 39.
Janitors Supply House, Incorporated, Baltimore, Md. Mops, brooms, and brushes. Serial No. 547,997, Jan. 11. Class 29.
Joyce, Inc., Pasadena, Calif. Ladies' handbags. Serial No. 523,896, Jan. 11. Class 3.
Kearney, James R., Corporation, St. Louis, Mo. Fuse switches. Serial No. 534,451, Jan. 11. Class 21.
Kearney, James R., Corporation, St. Louis, Mo. Fuses and fuse links. Serial No. 537,704, Jan. 11. Class 21.
Kein, Carolyn W., doing business as Valley Sales Company, Seneca, Ill. Hair and scalp tonic. Serial No. 517,850, Jan. 11. Class 6.
Klein, D. Emil, Co., Inc., New York, N. Y. Cigars. Serial No. 529,784, Jan. 11. Class 17.
Kreider's, W. L., Sons Mfg. Co. Inc., The, Palmyra, Pa. Infants', children's, misses' and growing girls' shoes. Serial No. 524,361, Jan. 11. Class 39.
L. A. Jonssons Skidfabriks A. B., Ostersund, Sweden. Skis, ski-poles, ski-bindings, etc. Serial No. 513,260, Jan. 11. Class 22.
L. K. B. Manufacturing Co., Minneapolis, Minn. Toy. Serial No. 529,392, Jan. 11. Class 22.
Lakeside Laboratories, Inc., Milwaukee, Wis. Preparation of the male sex hormone. Serial No. 566,087, Jan. 11. Class 6.
Latousek, Bernard L., doing business as Penray Company, Los Angeles, Calif. Fog lens. Serial No. 525,607, Jan. 11. Class 21.
Lawrence, W. W., & Company, Pittsburgh, Pa. Paints, primers and undercoaters for paints. Serial No. 538,780, Jan. 11. Class 16.
Lawrence, W. W., & Company, Pittsburgh, Pa. Paint. Serial No. 538,792, Jan. 11. Class 16.
Le Blanc, Alma, sometimes doing business as Lenna Lee's Tiny Town Dolls, San Francisco, Calif. Dolls. Serial No. 529,394, Jan. 11. Class 22.
Lenna Lee's Tiny Town Dolls: *See*—
Le Blanc, Alma.
Leonardi, S. B., & Co. Inc., New Rochelle, N. Y. Preparations for the treatment of diseases peculiar to women. Serial No. 553,496, Jan. 11. Class 7.

Lerio Corporation, The, Mobile, Ala. Reciprocating piston type water well pumps. Serial No. 530,948, Jan. 11. Class 23.
Lewis, Eugene R., Omaha, Nebr. Mechanically grooved phonograph records. Serial No. 533,035, Jan. 11. Class 36.
Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Pile suppositories and ointments. Serial No. 546,855, Jan. 11. Class 6.
Libson Shops Management Corporation, St. Louis, Mo. Hosiery. Serial No. 534,643, Jan. 11. Class 39.
Lime Cola Company, Inc., Montgomery, Ala. Non-alcoholic, maltless beverages. Serial No. 528,871, Jan. 11. Class 45.
Linck, O. E., Company, Inc., Clifton, N. J. Poisons. Serial No. 515,956, Jan. 11. Class 6.
Lincoln Laboratories, Incorporated, Decatur, Ill. Medicinal preparation. Serial No. 511,342, Jan. 11. Class 6.
Liquilux Gas Services, Inc., Houston, Tex. Liquefied petroleum gas. Serial No. 502,647, Jan. 11. Class 6.
Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 538,553, Jan. 11. Class 17.
Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 532,715, Jan. 11. Class 46.
Loviner, William H., doing business as Mount Hamilton Winery, San Francisco, Calif., assignee of Bisceglia Bros. Wine Company. Wines. Serial No. 515,292, Jan. 11. Class 47.
Majestic Paper Corporation, New York, N. Y. Typewriting paper, printing paper and envelopes. Serial No. 540,689, Jan. 11. Class 37.
Mann Overall Company, Inc., El Paso, Tex. Overalls and western style pants. Serial No. 535,725, Jan. 11. Class 39.
Manufacturing Industries, Inc., New York, N. Y. Paints in paste, powder and liquid form, varnishes, lacquers, etc. Serial No. 538,018, Jan. 11. Class 16.
Markwell Manufacturing Co., Inc., New York, N. Y. Marking and stencilling on metals, wood and paper. Serial No. 533,910, Jan. 11. Class 11.
Maryon Hosiery Mill, Carrollton, Ga., assignor to Maryon Hosiery Mill, Inc. Hosiery. Serial No. 518,844, Jan. 11. Class 39.
Maryon Hosiery Mills, Inc., assignee: *See*—
Maryon Hosiery Mill.
McGlynn Hays Industries, Inc., Belleville, N. J. Textile machinery. Serial No. 535,417, Jan. 11. Class 23.
McNish, Robert, and Company Limited, Glasgow, Scotland. Whiskey. Serial No. 529,076, Jan. 11. Class 49.
Mepham, Geo. S., Corporation, assignor to C. K. Williams & Co., East St. Louis, Ill. Natural iron oxide pigments. Serial No. 543,639, Jan. 11. Class 16.
Merco Centrifugal Co., San Francisco, Calif. Industrial centrifuges. Serial Nos. 530,540–1, Jan. 11. Class 23.
Metal Textile Corporation, West Orange, N. J. Abrasive wads or pads of knitted metallic fabric. Serial No. 543,824, Jan. 11. Class 4.
Metro Leather Novelty Co.: *See*—
Spector, Theodore.
Micromatic Hone Corporation, Detroit, Mich. Fluid actuated size control mechanism applied to a honing machine. Serial No. 528,354, Jan. 11. Class 23.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed paper tape. Serial No. 542,401, Jan. 11. Class 5.
Miller, Robert E., & Co. Inc., New York, N. Y. Furniture castors, furniture rests, furniture slides, etc. Serial No. 533,346, Jan. 11. Class 13.
Miller, Robert E., & Co. Inc., New York, N. Y. Furniture castors, furniture rest[illegible] and furniture slides, etc. Serial No. 533,681, Jan. 11. [illegible]ass 13.
Milprint, Inc., Milwaukee, Wis. Plastic sheets or films. Serial No. 499,646, Jan. 11. Class 42.
Minnesota Linseed Oil Paint Company, doing business as Chi-Namel Paint & Varnish Co., Minneapolis, Minn., and Fort Wayne, Ind. Ready mixed paints, varnishes, wood stains, etc. Serial No. 527,599, Jan. 11. Class 16.
Mitchell Industries, Inc., assignee: *See*—
Motorola, Inc.
Monsanto Chemical Company, St. Louis, Mo. Cleaning composition. Serial No. 563,077, Jan. 11. Class 4.
Morton Manufacturing Corporation, doing business as Snow White Products Company, Lynchburg, Va. Shampoo cream, vanishing cream, face powder, etc. Serial No. 501,524, Jan. 11. Class 6.
Morton Salt Company: *See*—
Myles Salt Company, Inc.
Mossberg, O. F., & Sons, Inc., New Haven, Conn. Telescopes, supporting bases, and parts thereof. Serial No. 520,883, Jan. 11. Class 26.
Motorola, Inc., Chicago, Ill., assignor to Mitchell Industries, Inc., Mineral Wells, Tex. Radio apparatus. Serial No. 523,407, Jan. 11. Class 21.
Mount Hamilton Winery: *See*—
Loviner, William H., assignee.
Mounties, Inc., Boston, Mass. Gummed cloth photo hinges. Serial No. 537,607, Jan. 11. Class 37.
Myles Salt Company, Inc., New Orleans, La., assignor to Morton Salt Company, Chicago, Ill. Salt. Serial No. 533,915, Jan. 11. Class 46.
Najeeb, Inc., New York, N. Y. Serving set composed of a bowl, cruets, and salt and pepper shakers. Serial No. 548,275, Jan. 11. Class 50.

Nason, R. N., & Co., San Francisco, Calif. Bulletin color paints and exterior house paints. Serial No. [illegible]46,861, Jan. 11. Class 16.
National Broadcasting Company, Inc., New York, N. Y. Magazine. Serial No. 541,874, Jan. 11. Class 38.
National Carbon Company, Inc., New York, N. Y. Dry primary cells. Serial No. 567,595, Jan. 11. Class 21.
National Food Brokers Association, Washington, D. C. Brokerage of food and grocery products. Serial No. 537,717, Jan. 11. Class 55.
National Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 488,656, Jan. 11. Class 39.
National Rifle Association of America, Washington, D. C. Monthly publication. Serial No. 559,419, Jan. 11. Class 38.
Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, etc., paper, boxed stationery, tablets, etc. Serial No. 543,316, Jan. 11. Class 37.
New Rexbelt Leather Goods Corp., New York, N. Y. Brief cases, overnight cases, suit cases, etc. Serial No. 553,390, Jan. 11. Class 3.
New Orleans Import Co., Limited, New Orleans, La. Crab-boil, allspice, black pepper, etc. Serial No. 525,932, Jan. 11. Class 46.
Nils, H.: *See*—
Hertz, Nils.
Nisley, Gerald M., doing business as Nisley Vineyards, Thermal, Calif. Fruits. Serial No. 512,275, Jan. 11. Class 46.
Nisley Vineyards: *See*—
Nisley, Gerald M.
Northam Warren Corporation, Stamford, Conn. Manicure scissors and manicure tweezers, manicure nippers, etc. Serial No. 512,852, Jan. 11. Class 44.
Ohio Match Company, The, Wadsworth, Ohio. Matches. Serial Nos. 544,667–8, Jan. 11. Class 9.
Ohio Stove Company, Portsmouth, Ohio. Stoves, ranges, and barbecue grills. Serial No. 523,695, Jan. 11. Class 34.
Oil Devices: *See*—
Breese Burners, Inc., assignee.
Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 539,342, Jan. 11. Class 1.
Old 97 Company, Tampa, Fla. Liniment. Serial No. 551,041, Jan. 11. Class 6.
Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 523,986, Jan. 11. Class 28.
Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver flat tableware. Serial No. 524,007, Jan. 11. Class 28.
Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 524,009, Jan. 11. Class 28.
Orleans Company, Inc., New York, N. Y. Aniline dyes. Serial No. 523,798, Jan. 11. Class 6.
Oster, John, Manufacturing Company, Racine, Wis. Hand operated hair clippers. Serial No. 532,862, Jan. 11. Class 23.
Ottens, Henry H., Mfg. Co., Inc., Philadelphia, Pa. Food colors. Serial No. 553,974, Jan. 11. Class 6.
Overton Chemical Company, Summer, Iowa. Granular soap. Serial No. 510,973, Jan. 11. Class 4.
Ox Fibre Brush Company, Inc., Frederick, Md. Brushes. Serial Nos. 545,759–61, Jan. 11. Class 29.
Pacific Mills, Boston, Mass., and New York, N. Y. Woolen fabrics in the piece. Serial No. 484,496, Jan. 11. Class 42.
Pacific Wines, Los Angeles, Calif. Wines. Serial No. 541,564, Jan. 11. Class 47.
Pacific Wines, Los Angeles, Calif. Brandy. Serial No. 541,565, Jan. 11. Class 49.
Pack & More, Inc., Chicago, Ill. Fur garment cleaning service. Serial No. 535,743, Jan. 11. Class 55.
Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Wine. Serial No. 520,294, Jan. 11. Class 47.
Pan-American Wall Paper & Paint Company, Chicago, Ill. Wall paper. Serial No. 481,902, Jan. 11. Class 37.
Pappas, Clement, & Co., Cedarville, N. J. Canned vegetables, canned berries and jams. Serial No. 531,358, Jan. 11. Class 46.
Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. Serial No. 550,939, Jan. 11. Class 6.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 492,511, Jan. 11. Class 6.
Penray Company: *See*—
Latousek, Bernard L.
Perfumeria Floralia, S. A., Madrid, Spain. Soaps, shaving creams, and shaving powders. Serial No. 549,838, Jan. 11. Class 4.
Permo Incorporated, Chicago, Ill. Phonograph needles. Serial No. 564,049, Jan. 11. Class 36.
Peters, Leo, Evanston, Ill. Non-alcoholic maltless beverages. Serial No. 542,222, Jan. 11. Class 45.
Petroleum Publishing Company, The, Tulsa, Okla. Periodical publications. Serial No. 542,347, Jan. 11. Class 38.
Phelan-Faust Paint Mfg. Co., St. Louis, Mo. House paint, concrete paint, and paint colors. Serial No. 533,355, Jan. 11. Class 16.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 544,502–3, Jan. 11. Class 6.
Plant Products Corporation, Blue Point, N. Y. Fumigant. Serial No. 497,492, Jan. 11. Class 6.
Polk Miller Products Corporation, Richmond, Va. Flea soap. Serial No. 560,916, Jan. 11. Class 4.

Power-Pak Products, Inc., Buffalo, N. Y. Tire inflation and fire extinguishing unit. Serial No. 517,586, Jan. 11. Class 23.
Quackenbush Company: *See*—
Allied Stores Corporation.
Quaker Rubber Corporation, Philadelphia, Pa. Hose. Serial No. 554,600, Jan. 11. Class 35.
Quaker Rubber Corporation, Philadelphia, Pa. Belting, hose, rubber diaphragms, etc. Serial No. 554,602, Jan. 11. Class 35.
Raynard Optical Co.: *See*—
Cohen, Saul.
Raynard Optical Company: *See*—
Cohen, Saul.
Real Advertures Publishing Co., New York, N. Y. Fiction magazine. Serial No. 515,390, Jan. 11. Class 38.
Reflecting Roadstuds Limited, Halifax, Yorkshire, England. Light reflecting road studs. Serial No. 540,874, Jan. 11. Class 50.
Renault, L. N., & Sons, Inc., doing business as Champagne Vintners, Egg Harbor City, N. J. Wines. Serial No. 539,348, Jan. 11. Class 47.
Resiloid Corporation, Brooklyn, N. Y. Piece goods. Serial No. 539,351, Jan. 11. Class 42.
Reynolds Manufacturing Company, The, Holyoke, Mass. Writing, ledger, bond manifold, and duplicating papers, etc. Serial No. 530,959, Jan. 11. Class 37.
Rockwell Manufacturing Company, Pittsburgh, Pa. Oscillating type meters. Serial No. 514,432, Jan. 11. Class 26.
Roper, Geo. D., Corporation, Rockford, Ill. Hydraulic power units. Serial No. 501,475, Jan. 11. Class 23.
Rotary Lift Company, Memphis, Tenn. Combined hydraulic lift and adjustable platform. Serial No. 494,125, Jan. 11. Class 23.
Roux Distributing Co. Inc., New York, N. Y. Brushes. Serial No. 547,942, Jan. 11. Class 29.
Rubel, John, doing business as John Rubel Co., New York, N. Y. Deodorants. Serial No. 510,619, Jan. 11. Class 6.
Rubel, John Co.: *See*—
Rubel, John.
Rubinstein, Helena, Inc., New York, N. Y. Kit containing lipstick. Serial No. 513,466, Jan. 11. Class 6.
Sage, Peggy, Inc., Stamford, Conn. Manicuring implements. Serial No. 512,857, Jan. 11. Class 44.
Sage, Peggy, Inc., Stamford, Conn. Nail enamel, nail polish, nail paste, etc. Serial No. 537,510, Jan. 11. Class 6.
Sayco Doll Corporation, New York, N. Y. Dolls. Serial No. 501,092, Jan. 11. Class 22.
Schering Corporation, Bloomfield, N. J. Prophenpyramine. Serial No. 553,134, Jan. 11. Class 6.
Schlitz, Jos., Brewing Company, Milwaukee, Wis. Malt liquors. Serial No. 541,193, Jan. 11. Class 48.
Scientific Soil Improvement Corp., assignor to Scientific Soil Products, Inc., New York, N. Y. Mineral fertilizer ingredients. Serial No. 538,316, Jan. 11. Class 10.
Scientific Soil Products, Inc., assignee: *See*—
Scientific Soil Improvement Corp.
Sears, Roebuck and Co., Chicago, Ill. Hosiery and knitted underwear, boys' vests, coats, etc. Serial No. 536,141, Jan. 11. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Silver and silver plated table flatware. Serial No. 545,174, Jan. 11. Class 28.
Seeman Brothers, Inc., New York, N. Y. Canned vegetables. Serial No. 537,086, Jan. 11. Class 46.
Segelin's, Cleveland, Ohio. Natural flowers and nursery stock. Serial No. 548,107, Jan. 11. Class 1.
Seng Company, The, Chicago, Ill. Mechanical devices for sofa beds. Serial No. 541,582, Jan. 11. Class 32.
Sequoia Products Company, Eureka, Calif. Fungicidal compound. Serial No. 535,264, Jan. 11. Class 6.
Service Industries, Philadelphia, Pa. Material for tempering, hardening, and curing Portland cement. Serial No. 552,276, Jan. 11. Class 12.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Protein, carbohydrate preparation. Serial Nos. 550,176–7, Jan. 11. Class 6.
Sheldon Company, Incorporated, The, assignor to The Sheldon-Detroit Corporation, Minneapolis, Minn. Fish line reels. Serial No. 527,906, Jan. 11. Class 22.
Sheldon-Detroit Corporation, The, assignee: *See*—
Sheldon Company, Incorporated, The.
Sherwin-Williams Co., The, Cleveland, Ohio. Lacquers. Serial No. 540,907, Jan. 11. Class 16.
Sho-All Company: *See*—
Dishman, Roy.
Smith, A. O., Corporation, Milwaukee, Wis. Water heaters and industrial heat exchangers and parts thereof, and automatic stokers, etc. Serial No. 527,850, Jan. 11. Class 34.
Snow White Products Company: *See*—
Morton Manufacturing Corporation.
Sorg Paper Company, The, Middletown, Ohio. Writing paper, printing paper, offset paper, etc. Serial No. 525,963, Jan. 11. Class 37.
Sould Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Steel windows and doors, reinforcing commodities. Serial No. 527,479, Jan. 11. Class 12.
Sould Steel Company, San Francisco and Los Angeles, Calif., Portland, Oreg., and Houston, Tex. Wire. Serial No. 554,822, Jan. 11. Class 14.
Southern Heater Corporation, Compton, Calif. Water heaters. Serial No. 532,352–3, Jan. 11. Class 34.
Southern Heater Corporation, Compton, Calif. Gas burning water heaters. Serial No. 532,354, Jan. 11. Class 34.
Spatz, Maurice S., doing business as Crystal Springs Packing Company, Medford, Oreg. Fresh pears. Serial No. 529,720, Jan. 11. Class 46.
Spector, Theodore, doing business as Metro Leather Novelty Co., New York, N. Y. Leather wrist watch straps. Serial No. 534,481, Jan. 11. Class 28.
Speidel Corporation, Providence, R. I. Jewelry. Serial No. 545,300, Jan. 11. Class 28.
Spencer-Adams Paint Co., Inc., Atlanta, Ga. Ready mixed paints and paint enamels. Serial No. 546,436, Jan. 11. Class 16.
Sprague, C. A., Devices: *See*—
Sprague, Charles A.
Sprague, Charles A., doing business as C. A. Sprague Devices, Michigan City, Ind. Windshield wipers. Serial No. 499,442, Jan. 11. Class 19.
Sprague Products Company, North Adams, Mass. Radio interferences filters. Serial No. 485,709, Jan. 11. Class 21.
Spurgeon Hosiery Corporation, Philadelphia, Pa. Nylon hosiery. Serial No. 534,483, Jan. 11. Class 39.
Spurgeon Hosiery Corporation, Philadelphia, Pa. Nylon hosiery. Serial No. 534,485, Jan. 11. Class 39.
Standard Arcturus Corporation, Newark, N. J. Radio and electronic tubes. Serial No. 541,217, Jan. 11. Class 21.
Standard Milling Company, assignee: *See*—
Loudonville Milling Company, The.
Stokely-Van Camp, Inc., Indianapolis, Ind. Canned mixture of green and dry beans. Serial No. 536,008, Jan. 11. Class 46.
Stout-Lindsay, Inc., East Cleveland, Ohio. Training devices composed of a tray and compartmented food dish. Serial No. 500,635, Jan. 11. Class 2.
Stuart Mansfield Co., Inc., New York, N. Y. Plastic film sheeting with a cotton backing. Serial No. 516,449, Jan. 11. Class 42.
Sturtevant, P. A., Co., Addison, Ill. Valve and clutch spring testers and torque testers. Serial No. 452,991, Jan. 11. Class 26.
Stutland, Louis F.: *See*—
Cohen, Saul.
Terminal Grain Company, Fort Worth, Tex. Seed grains. Serial No. 527,623, Jan. 11. Class 1.
Tex Products, Inc., Newark, N. J. Synthetic adhesive cement. Serial No. 507,155, Jan. 11. Class 5.
"The Bon Marche": *See*—
Allied Stores Corporation.
Tioga Yarn Company, South Coventry, Conn. Wool yarn. Serial No. 553,033, Jan. 11. Class 43.
Tischer, Edwin W., doing business as Venetta Tischer Cosmetics, Chicago, Ill. Deodorant and anti-perspirant. Serial No. 546,626, Jan. 11. Class 6.
Tomlinson Industries, Inc., Cleveland, Ohio. Preparation for general cleansing and purifying purposes. Serial No. 538,574, Jan. 11. Class 4.
Trim-Set Corporation, Seattle, Wash. Metal windows, window frames, and doors. Serial No. 511,117, Jan. 11. Class 12.
Trojan Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 527,664, Jan. 11. Class 39.
Tropiano, Anthony, doing business as Enduro-Plastic Co., Port Chester, N. Y. Insulative and fireproof plastering, patching, moldable and cementitious construction materials. Serial No. 519,608, Jan. 11. Class 12.
Tyler Fixture Corporation, Niles, Mich. Commercial refrigerators. Serial No. 516,875, Jan. 11. Class 31.
Uarco Incorporated, Chicago, Ill. Machine for feeding stationery through a business machine. Serial No. 532,766, Jan. 11. Class 23.
Ulmann, Bernhard, Co. Inc., Long Island City, N. Y. Woolen yarns. Serial No. 556,609, Jan. 11. Class 43.
Uncas Manufacturing Company, Providence, R. I. Jewelry. Serial Nos. 542,693–4, Jan. 11. Class 28.
Union Railway Equipment Co., Chicago, Ill. Horisontal wheel high power hand brake, drop type high power hand brake, vertical wheel high power hand brake, etc. Serial No. 496,528, Jan. 11. Class 19.
United Fruit Company, Boston, Mass. Fresh bananas. Serial No. 536,969, Jan. 11. Class 46.
United Wallpaper, Inc., Chicago, Ill. Draperies and fabric wall coverings. Serial No. 560,509, Jan. 11. Class 42.
United States Air Compressor Company, The, Cleveland, Ohio. Hose couplings. Serial No. 529,731, Jan. 11. Class 13.
United States Rubber Company, New York, N. Y. Bicycle tires. Serial No. 519,451, Jan. 11. Class 35.
Universal Chemical Corporation, Easthampton, Mass. Lighter fluid. Serial No. 547,296, Jan. 11. Class 6.
Valley Sales Company: *See*—
Kein, Carolyn W.
Van Cleef & Arpels, Inc., New York, N. Y. Cigarette lighters. Serial No. 543,763, Jan. 11. Class 8.
Van Pelt and Brown, Incorporated, Richmond, Va. Preparation in liquid form used as a sedative in the treatment of various nervous disorders. Serial No. 549,854, Jan. 11. Class 6.
Venetta Tischer Cosmetics: *See*—
Tischer, Edwin W.
Victor Chemical Works, Chicago, Ill. Monocalcium phosphate. Serial No. 528,536, Jan. 11. Class 46.
Victor Chemical Works, Chicago, Ill. Monocalcium phosphate. Serial No. 528,541, Jan. 11. Class 46.
Vitafreze Corporation, Sacramento, Calif. Ice cream confection. Serial No. 542,375, Jan. 11. Class 46.
Vitron Corporation, The, Wilmington, Del. Blankets and bats made from glass fiber. Serial No. 513,910, Jan. 11. Class 1.
Vogarell Producst Company: *See*—
Lewis, Rosemarie.
Voit, W. J., Rubber Corp., Los Angeles, Calif. Athletic equipment. Serial No. 534,492, Jan. 11. Class 22.
Warren Portahome Company, Inc., Mays Landing, N. J. Complete and sectional pre-built dwellings, cottages, bungalows, etc. Serial No. 539,687, Jan. 11. Class 12.
Warren, W. Thread Works, Inc., Westfield, Mass. Spool cotton. Serial No. 553,149, Jan. 11. Class 43.
Warren, W. Thread Works, Inc., Westfield, Mass. Spool cotton or sewing thread. Serial No. 553,440, Jan. 11. Class 43.
Watts, Sidney A., New York, N. Y. Suitcases, travel bags, blouse cases, etc. Serial No. 554,749, Jan. 11. Class 3.
Wayne Knitting Mills, Fort Wayne, Ind. Stockings. Serial No. 531,266, Jan. 11. Class 39.
Weinberg Corporation, Chicago, Ill. Men's and young men's suits, coats, vests, etc. Serial No. 531,272, Jan. 11. Class 39.
Weingarten, Murray M., New York, N. Y. Spring upholstery units. Serial No. 499,364, Jan. 11. Class 32.
Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Ready-mixed paints, paint enamels, etc. Serial No. 536,021, Jan. 11. Class 16.
West Bend Equipment Corporation, West Bend, Wis. Barrel stands and barrel racks. Serial No. 541,899, Jan. 11. Class 32.
Western Mineral Products Company, Minneapolis, Minn., and Omaha, Nebr. Adhesive. Serial No. 517,678, Jan. 11. Class 5.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets. Serial No. 526,059, Jan. 11. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets, envelopes, and papeteries. Serial No. 538,688, Jan. 11. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; loose writing paper, etc. Serial No. 538,689, Jan. 11. Class 37.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data or order books, etc. Serial No. 538,692, Jan. 11. Class 37.
Weston International Associates, New York, N. Y. Fountain pens of the ball-point type. Serial No. 543,673, Jan. 11. Class 37.
Williams, C. K., & Co.: *See*—
Mepham, Geo. S., Corporation.
Williamsville Buff Mfg. Co., Danielson, Conn. Buffing discs, and buffing wheels. Serial No. 557,170, Jan. 11. Class 4.
Wilson, Andrew, Inc., Springfield, N. J. Insecticides. Serial No. 537,267, Jan. 11. Class 6.
Winans, William M., New York, N. Y. Radio receiving sets. Serial No. 524,362, Jan. 11. Class 21.
Windsor-Lloyd Products, Inc., Wilmington, Del. Exhaust mufflers. Serial No. 534,705, Jan. 11. Class 23.
Witch Fire Lures, Madison, Wis. Fish lures. Serial No. 510,292, Jan. 11. Class 22.
Witt's: *See*—
Craddock-Terry Shoe Corporation.
Woodruff, S. D., & Sons, Inc., Orange, Conn. Garden seeds, field seeds and flower seeds. Serial No. 544,626, Jan. 11. Class 1.
Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial No. 527,858, Jan. 11. Class 22.
Wright, G. F., Steel & Wire Co., Worcester, Mass. Fabricated wire products. Serial No. 529,520, Jan. 11. Class 13.
Young, B., & Company Limited, London, England. Gelatine. Serial No. 498,874, Jan. 11. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Manufacturing Corporation, Philadelphia, Pa. Unfinished or partially finished metal stampings, castings, and forgings. 433,727, Oct. 28, 1947. Republished Jan. 11. Class 14.
Acme Backing Corporation, New York and Brooklyn, N. Y. Processed cotton drill fabric. 441,816, Jan. 11; Serial No. 499,306, published Sept. 21, 1948. Class 42.
Acme Manufacturing Co., by Zephyr Manufacturing Co., Sedalia, Mo. Mops. 418,506, Jan. 1, 1946. Republished Jan. 11. Class 29.
Adams, Haskell, Company, Boston, Mass., assignor to Rival Foods, Inc., by Rival Foods, Inc., Cambridge, Mass. Tea, coffee, marshmallows, etc. 241,844, May 8, 1928. Republished Jan. 11. Class 46.
Alaska Salmon Company, San Francisco, Calif., by Bristol Bay Packing Company, Seattle Wash. Canned salmon. 200,972, July 14, 1926. Republished Jan. 11. Class 46.
Alaska Salmon Company, San Francisco, Calif., by Bristol Bay Packing Company, Seattle Wash. Canned salmon. 207,978, Jan. 12, 1926. Republished Jan. 11. Class 46.
Alexander Marketing Company, San Benito, Tex. Fresh vegetables, fresh deciduous fruits, fresh citrous fruits. 226,096, Mar. 29, 1927. Republished Jan. 11. Class 46.
Aloe, A. S., Company, St. Louis, Mo. Hospital and doctors' office furniture. 505,565, Jan. 11; Serial No. 528,176, published Sept. 21, 1948. Class 32.
Alumiline Corp., The, Brooklyn, N. Y. Store front and window mouldings of aluminum, aluminum alloys. 434,724, Dec. 2, 1947. Republished Jan. 11. Class 12.
Amber Weaving Service: *See*—
Amber Freitas.
American Alkyd Industries, Carlstadt, N. J. Synthetic varnishes. 505,596, Jan. 11; Serial No. 537,768, published Sept. 14, 1948. Class 16.
American Brake Shoe Company: *See*—
American Brake Shoe and Foundry Company.
American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. 409,057, Sept. 12, 1944. Republished Jan. 11. Class 19.
American Brake Shoe Company, New York, N. Y. Plastic tiles and plastic slabs. 411,946, Feb. 13, 1945. Republished Jan. 11. Class 12.
American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches. 426,175, Dec. 17, 1946. Republished Jan. 11. Class 35.
American Brake Shoe and Foundry Company, by American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches. 384,700, Jan. 28, 1941. Republished Jan. 11. Class 35.
American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. 399,877, Feb. 2, 1943. Republished Jan. 11. Class 19.
American Envelope Co., The, West Carrollton, Ohio. Mailing and correspondence envelopes. 288,924, Nov. 10, 1931. Republished Jan. 11. Class 37.
American-London Shrinkers Corp., New York, N. Y. Textile fabrics in the piece. 373,819, Dec. 26, 1939. Republished Jan. 11. Class 42.
American Manufacturing Company, Brooklyn, N. Y., and Boston, Mass. Rope. 505,663, Jan. 11; Serial No. 552,381. Class 7.
American Manufacturing Corporation, Inc., New Orleans, La. Women's underwear. 505,659, Jan. 11; Serial No. 543,034. Class 39.
American Medical Glass Company, Washington, D. C. Surgical dressing. 423,040, Sept. 3, 1946. Republished Jan. 11. Class 44.
American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 375,389, Feb. 20, 1940. Republished Jan. 11. Class 46.
American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 393,810, Mar. 3, 1942. Republished Jan. 11. Class 46.
American Rubber Products Corporation, Jersey City, N. J., by American Rubber Products Corporation, New York, N. Y. Tank balls. 203,750, Sept. 22, 1925. Republished Jan. 11. Class 13.
American Tissue Mills: *See*—
Japanese Tissue Mills.
American Vulcanized Fibre Co., by National Vulcanized Fibre Co., Wilmington, Del. Vulcanized fiber. 111,159, July 4, 1916. Republished Jan. 11. Class 50.
American Vulcanised Fibre Company, by National Vulcanized Fibre Co., Wilmington, Del. Vulcanised fiber. 121,745, May 28, 1918. Republished Jan. 11. Class 50.
Amplifier Corp. of America, New York, N. Y. Magnetic sound recording and reproducing apparatus and parts thereof. 505,579, Jan. 11; Serial No. 533,519, published Sept. 7, 1948. Class 21.
Amplifier Corp. of America, New York, N. Y. Magnetic sound recording and reproducing apparatus and parts thereof. 505,580, Jan. 11; Serial No. 533,520, published Sept. 21, 1948. Class 21.
Anaheim Citrus Fruit Association, Anaheim, Calif. Fresh citrus fruits. 259,110, July 23, 1929. Republished Jan. 11. Class 46.
Angelis Sales and Service, San Francisco, Calif. Electrical appliances. 505,561, Jan. 11; Serial No. 518,867, published Sept. 28, 1948. Class 24.
Annville Stone Company, Conshohocken, Pa. Pulverised agricultural limestone, and fertilizers. 435,273, Dec. 16, 1947. Republished Jan. 11. Class 10.
Arkwright Finishing Company: *See*—
Bruning, Charles, Company, Inc.

Arkwright Finishing Company, Providence, R. I. Tracing cloth. 364,223, Jan. 24, 1939. Republished Jan. 11. Class 37.

Arkwright Finishing Company, Providence, R. I. Tracing cloth and pencil cloth. 398,191, June 30, 1942. Republished Jan. 11. Class 37.

Armand Company, The: *See*— Florian, Inc.

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Powdered cement. 397,501, Sept. 8, 1942. Republished Jan. 11. Class 12.

Atkin & Hartman Inc., by William Atkin Co., Inc., New York, N. Y. Men's and boys' negligee and dress shirts, night-shirts, and pajamas. 90,407, Feb. 25, 1913. Republished Jan. 11. Class 39.

Atkin, William, Co., Inc.: *See*— Atkin & Hartman Inc.

Atkin, William, Co., Inc., New York, N. Y. Men's and boys' dress, negligee, and work shirts. 294,100, May 17, 1932. Republished Jan. 11. Class 39.

Atkin, William, Co., Inc., New York, N. Y. Men's and boys' dress, negligee, and work shirts. 310,348, Feb. 20, 1934. Republished Jan. 11. Class 39.

Atkin, William, Co., Inc., New York, N. Y. Men's and boys' sport shirts, negligee shirts, slacks, etc. 385,933, Mar. 25, 1941. Republished Jan. 11. Class 39.

Atlantic Mills, Providence, R. I., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen, cotton and woolen, and cotton piece goods. 183,594, May 6, 1924. Republished Jan. 11. Class 42.

Atlantic Mills, Providence, R. I., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen, cotton, and woolen and cotton piece goods. 184,786, June 3, 1924. Republished Jan. 11. Class 42.

Atlantic Mills, The, Olneyville, R. I., by A. D. Juilliard & Co., Inc., New York, N. Y. All-worsted dress fabrics. 207,411, Dec. 29, 1925. Republished Jan. 11. Class 42.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen piece goods. 220,470, Nov. 9, 1926. Republished Jan. 11. Class 42.

Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen and worsted fabrics. 274,857, Sept. 9, 1930. Republished Jan. 11. Class 42.

Atlantic Syrup Refining Co., by Atlantic Syrup Refining Corporation, Philadelphia, Pa. Table sirup. 183,716, May 6, 1924. Republished Jan. 11. Class 46.

Atlantic Syrup Refining Corporation: *See*— Atlantic Syrup Refining Co.

Atlantic Union College, South Lancaster, Mass. Wooden drawer and foot locker chests, bookcases, tables, etc. 441,822, Jan. 11; Serial No. 521,314, published Sept. 28, 1948. Class 32.

Axton-Fisher Tobacco Co., The, Louisville, Ky. Cigarettes. 306,803, Sept. 26, 1933. Canceled Dec. 6, 1948. O. G. Jan. 11. Class 17.

Baker, H. W., Linen Co., New York, N. Y. Turkish towels. 191,130, Nov. 4, 1924. Republished Jan. 11. Class 42.

Baker, H. W., Linen Co., New York, N. Y. Napkins, table tops, tablecloths, etc. 234,910, Nov. 8, 1927. Republished Jan. 11. Class 42.

Baldwin Locomotive Works, The: *See*— Cramp, Wm., & Sons Ship & Engine Building Co., The. Standard Steel Works Company.

Barbour Company, The: *See*— Barbour, Roswell C.

Barbour Company, Inc., The: *See*— Barbour, Roswell C.

Barbour, Roswell C., doing business as The Barbour Company, by The Barbour Company, Inc., St. Louis, Mo. Liquid leather dressing. 399,836, Feb. 2, 1943. Republished Jan. 11. Class 4.

Bates, C. J., & Son, Chester, Conn. Manicure sets, nail files, nail buffers, etc. 224,643, Mar. 1, 1927. Republished Jan. 11. Class 44.

Bechtold, William L., by A. Wigler, Newark, N. J. Skin ointments, healing salves, antiseptic liniment, etc. 315,871, Aug. 14, 1934. Republished Jan. 11. Class 6.

Bechtold, William L., by A. Wigler, Newark, N. J. Preparation for the treatment of inflamed, spongy, and recessed gums. 322,364, Mar. 5, 1935. Republished Jan. 11. Class 6.

Bendix Aviation Corporation: *See*— Pioneer Instrument Company.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Castings. 413,926, May 22, 1945. Republished Jan. 11. Class 14.

Beneficial Industrial Loan Corporation, Wilmington, Del. Services rendered in the small loan, instalment loan and instalment credit business. 505,618, Jan. 11; Serial No. 527,275, published Oct. 5, 1948. Class 55.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables. 339,146, Sept. 29, 1936. Republished Jan. 11. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables. 341,062, Dec. 1, 1936. Republished Jan. 11. Class 46.

Big Stone Canning Co.: *See*— Big Stone Canning Company.

Big Stone Canning Company, Big Stone, S. Dak., by Big Stone Canning Co., Ortonville, Minn. Canned vegetables. 82,751, July 25, 1911. Republished Jan. 11. Class 46.

Bird-Archer Company, The: *See*— Bird-Archer Co., The.

Bird-Archer Company, The, by The Bird-Archer Company, New York, N. Y. Preparation to prevent rust and corrosion and to remove scale formation in steam boilers. 331,670, Jan. 14, 1936. Republished Jan. 11. Class 6.

Bird-Archer Co., The, by The Bird-Archer Company, New York, N. Y. Preparation used to condition water. 395,315, May 19, 1942. Republished Jan. 11. Class 6.

Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Belt dressings. 346,410, May 25, 1937. Republished Jan. 11. Class 4.

Black Eagle Oil Company, Milwaukee, Wis. Gasoline and lubricating oils. 299,061, Nov. 22, 1932. Republished Jan. 11. Class 15.

Blackinton, W. & S., Co., Inc., Meriden, Conn. Hollow ware. 505,657, Jan. 11; Serial No. 540,242. Class 28.

Blake, Moffitt & Towne, San Francisco, Calif. Bond paper. 181,449–50, Mar. 18, 1924. Republished Jan. 11. Class 37.

Blake, Moffitt & Towne, San Francisco, Calif. Building paper. 190,973, Oct. 28, 1924. Republished Jan. 11. Class 12.

Blake, Moffitt and Towne, San Francisco, Calif. Twine. 193,741, Jan. 6, 1925. Republished Jan. 11. Class 7.

Blake, Moffitt & Towne, San Francisco, Calif. Mimeograph paper. 292,461, Mar. 15, 1932. Republished Jan. 11. Class 37.

Blue Ridge Textile Co., Inc., Bangor, Pa. Fabrics of nylon. 505,617, Jan. 11; Serial No. 550,779, published Sept. 21, 1948. Class 42.

Bohemian Distributing Company: *See*— Bohemian Distributing Co. Ltd.

Bohemian Distributing Co. Ltd., by Bohemian Distributing Company, Los Angeles, Calif. Whiskeys, cocktails, cordials, etc. 312,855, May 8, 1934. Republished Jan. 11. Class 49.

Bohemian Distributing Co. Ltd., by Bohemian Distributing Company, Los Angeles, Calif. Wines. 317,601, Oct. 2, 1934. Republished Jan. 11. Class 47.

Bone Dry Shoe Mfg. Co.: *See*— Felder Shoe Mfg. Co.

Botany Mills, Inc.: *See*— Botany Worsted Mills.

Botany Mills, Inc., Passaic, N. J. Woolen fabrics in the piece. 505,614, Jan. 11; Serial No. 550,576, published Sept. 21, 1948. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Woolen piece goods. 200,606, July 7, 1925. Republished Jan. 11. Class 42.

Botany Worsted Mills, by Botany Mills, Inc., Passaic, N. J. Neckties. 357,410, June 7, 1938. Republished Jan. 11. Class 39.

Briny Marlin Coat & Suit Co.: *See*— Levitch, David.

Briny Marlin, Inc.: *See*— Levitch, David.

Bristol Bay Packing Company: *See*— Alaska Salmon Company.

Broadway Maintenance Corp., Long Island City, N. Y. Service, repair and maintenance of electric motors. 505,622, Jan. 11; Serial No. 537,979, published Oct. 5, 1948. Class 55.

Brooks, E. J., Company, Newark, N. J. Base metal seals. 505,592, Jan. 11; Serial No. 537,134, published Sept. 28, 1948. Class 25.

Bruning, Charles, Company, Inc., New York, N. Y., by Arkwright Finishing Company, Providence, R. I. Pencil-tracing cloth. 275,127, Sept. 16, 1930. Republished Jan. 11. Class 37.

Bruning, Charles, Company, Inc., New York, N. Y., by Arkwright Finishing Company, Providence, R. I. Tracing cloth. 293,676, May 3, 1932. Republished Jan. 11. Class 37.

Burlington Mills Corporation: *See*— Marshall Field & Company.

Burnham-Munger Mfg. Co., The, Kansas City, Mo., to Fitz Overall Company of Atchison, Kansas, Atchison, Kans. Overalls, jumpers, shirts, etc. 71,279, re-renewed Nov. 17, 1948. O. G. Jan. 11. Class 39.

Burrough, James, Limited, London, England. Gin. 308,053, Nov. 21, 1933. Republished Jan. 11. Class 49.

C. & M. Produce Company, Carriso Springs, to A. F. Childress, Uvalde, Tex. Fresh spinach, onions, romaine, etc. 243,515, renewed June 26, 1948. O. G. Jan. 11. Class 46.

Cabin Creek Consolidated Coal Company, Charleston, W. Va., by Truax-Traer Coal Company, Chicago, Ill. Coal. 70,046, July 29, 1908. Republished Jan. 11. Class 1.

Cabin Creek Consolidated Coal Company, Cincinnati, Ohio, by Truax-Traer Coal Company, Chicago, Ill. Coal. 329,764, Nov. 12, 1935. Republished Jan. 11. Class 1.

Calo Dog Food Company, Incorporated: *See*— Victory Packing Company.

Capsalis Brothers, New York, N. Y., by C. Pappas Company Inc., Boston, Mass. Olive oil. 231,268, Aug. 16, 1927. Republished Jan. 11. Class 46.

Carlton Mills Co., Inc., Philadelphia, Pa., and New York, N. Y. Woolen piece goods. 365,215, Feb. 28, 1939. Canceled Dec. 6, 1948. O. G. Jan. 11. Class 42.

Carmack, Edward S., doing business as Zip Manufacturing Company, Little Rock, Ark. Furniture polish. 402,838, Aug. 17, 1943. Republished Jan. 11. Class 16.

Carson, Boris, Philadelphia, Pa. Women's hose. 365,560, Mar. 14, 1939. Republished Jan. 11. Class 39.

Cedar Grove Shoe Mfg. Co., Cedar Grove, to Herbst Shoe Manufacturing Co., Milwaukee, Wis. Shoes. 237,151, re-renewed Jan. 3, 1948. O. G. Jan. 11. Class 39.

Center, Gilbert, New York, N. Y. Umbrellas. 505,636, Jan. 11; Serial No. 520,944. Class 41.

Central Surety and Insurance Corporation, Kansas City, Mo. House organs. 286,902, Sept. 8, 1931. Republished Jan. 11. Class 38.

Champagne Paper Corporation, assignor to Ecusta Paper Corporation, Pisgah Forest, N. C. Cigarette paper booklets. 505,574, Jan. 11; Serial No. 532,560, published Oct. 5, 1948. Class 8.

Chesler Glass Co., Brooklyn, N. Y. Mirrors. 415,368, Aug. 7, 1945. Republished Jan. 11. Class 32.

Childress, A. F.: *See*— C. & M. Produce Company.

Christopher & Co., Limited, London, England. Wines. 322,518, Mar. 12, 1935. Republished Jan. 11. Class 47.

Christopher & Co. Limited, London, England. Whisky, kummel, crème de menthe, etc. 322,959, Mar. 26, 1935. Republished Jan. 11. Class 49.

Cincinnati Cotton Products Company, The, Cincinnati, Ohio. Shroud cloths made of cotton. 505,597, Jan. 11; Serial No. 537,874, published Sept. 21, 1948. Class 42.

Clearprint Paper Company: *See*— Dietrich-Post Company.

Cleveland Builders Supply and Brick Company, The, by The Cleveland Builders Supply Company, Cleveland, Ohio. Prepared mixture of which the main ingredients are sand, gravel, and cement. 153,137, Mar. 14, 1922. Republished Jan. 11. Class 12.

Cleveland Builders Supply Company, The: *See*— Cleveland Builders Supply and Brick Company.

Cleveland Fruit Juice Company, The, by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio. Non-alcoholic beverages. 109,858, Mar. 18, 1916. Republished Jan. 11. Class 45.

Cleveland Fruit Juice Company, The, by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio. Preserved fruit mixture. 190,741, Oct. 21, 1924. Republished Jan. 11. Class 46.

Cleveland Fruit Juice Company, The, by The Cleveland Fruit Juice Company (1930), Cleveland, Ohio. Preserved fruits, flavorings, and combinations of nuts, etc. 225,896, Mar. 29, 1927. Republished Jan. 11. Class 46.

Cleveland Fruit Juice Company, The, Cleveland, Ohio. Imitation strawberry extract, bottled cherries, bottled black sweet cherries, etc. 382,745, Nov. 12, 1940. Republished Jan. 11. Class 46.

Cleveland Fruit Juice Company (1930), The: *See*— Cleveland Fruit Juice Company, The.

Cleveland Steel Products Corporation, Cleveland, Ohio. Oil burning heaters. 434,618, Nov. 25, 1947. Republished Jan. 11. Class 34.

Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. 324,978–81, June 4, 1935. Republished Jan. 11. Class 2.

Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. 324,983, June 4, 1935. Republished Jan. 11. Class 2.

Clopay Corporation, Cincinnati, Ohio. Window shades. 326,464, June 25, 1935. Republished Jan. 11. Class 32.

Clopay Corporation, Cincinnati, Ohio. Kits for sealing glasses and jars. 325,515, June 25, 1935. Republished Jan. 11. Class 37.

Clopay Corporation, Cincinnati, Ohio. Window shades. 331,259–60, Dec. 31, 1935. Republished Jan. 11. Class 32.

Clopay Corporation, Cincinnati, Ohio. Window shades. 335,952, June 16, 1936. Republished Jan. 11. Class 32.

Clopay Corporation, Cincinnati, Ohio. Window shades. 347,748, July 6, 1937. Republished Jan. 11. Class 32.

Clopay Corporation, Cincinnati, Ohio. Fiber material in the nature of oiled cloth for covering fixtures. 356,788, May 10, 1938. Republished Jan. 11. Class 20.

Coastal Valley Canning Co., Oxnard, Calif. Canned pimientos. 434,189, Nov. 11, 1947. Republished Jan. 11. Class 46.

Codorus Paper Mills, Limited, by Schmidt & Ault Paper Co., York, Pa. Paper. 32,859, May 16, 1899. Republished Jan. 11. Class 37.

Cohen, Philip M., by Cohen & Wilks, Limited, Cheetham, Manchester, England. Men's and women's coats, capes, cloaps, etc. 98,637, July 28, 1914. Republished Jan. 11. Class 39.

Cohen & Wilks, Limited: *See*— Cohen, Philip M.

Cohen & Wilks, Limited, Cheetham, Manchester, England. Raincoats and overcoats for men and women. 329,178, Oct. 22, 1935. Republished Jan. 11. Class 39.

Cohen & Wilks, Limited, Manchester, England. Men's and women's coats, capes, cloaks, etc. 392,484, Dec. 30, 1941. Republished Jan. 11. Class 39.

Cohen & Wilks, Limited, Manchester, England. Woolen piece goods. 392,594, Jan. 6, 1942. Republished Jan. 11. Class 42.

Cohen & Wilks, Limited, Manchester, England. Cloths and stuffs of wool, worsted, or hair. 393,867, Mar. 10, 1942. Republished Jan. 11. Class 42.

Coleman Lamp Company, The, by The Coleman Lamp Company, Inc., Wichita, Kans. Stoves. 217,533, Aug. 31, 1926. Republished Jan. 11. Class 34.

Coleman Lamp Company, The, Inc.: *See*— Coleman Lamp Company, The.

Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Incandescent mantles. 284,894, July 7, 1931. Republished Jan. 11. Class 34.

Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Gasoline burning lamps, lanterns, heaters, etc. 295,262, June 28, 1932. Republished Jan. 11. Class 34.

Colfax Fruit Growers Association, Colfax, Calif. Fresh deciduous fruits. 174,624, Oct. 23, 1923. Republished Jan. 11. Class 46.

Collin County Mill & Elevator Co., McKinney, Tex., by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 242,469, May 22, 1928. Republished Jan. 11. Class 46.

Color-Bank Company, Waynesboro, Pa. Crayon holders. 441,824, Jan. 11; Serial No. 524,777, published Oct. 5, 1948. Class 37.

Columbus Iron Works, doing business as Southern Plow Co. Dept., Columbus, Ga. Cultivator scrapers. 322,123, Feb. 26, 1935. Republished Jan. 11. Class 23.

Columbus Iron Works Company, Columbus, Ga. Plow and cultivator parts. 377,094, Apr. 16, 1940. Republished Jan. 11. Class 23.

Columbus Washboard Company: *See*— Martin, Frederic Sr.

Connors Steel Company, Birmingham, Ala. Concrete reinforcement steel bars. 386,207, Apr. 1, 1941. Republished Jan. 11. Class 12.

Consolidated Cigar Corporation, New York, N. Y. Cigars. 419,936, Mar. 12, 1946. Republished Jan. 11. Class 17.

Consolidated Textile Co., Inc., New York, N. Y. Piece goods. 505,612, Jan. 11; Serial No. 550,311, published Sept. 21, 1948. Class 42.

Continental Steel Corporation, Kokomo, Ind. Galvanised wire. 411,284, Jan. 9, 1945. Republished Jan. 11. Class 14.

Cooks' Inc., Camden, N. J. Transparent protecting envelopes. 409,151, Sept. 19, 1944. Republished Jan. 11. Class 37.

Corona Foothill Lemon Company, Corona, Calif. Fresh lemons. 167,704, May 8, 1923. Republished Jan. 11. Class 46.

Corona Foothill Lemon Company, Corona, Calif. Fresh lemons. 167,709, May 8, 1923. Republished Jan. 11. Class 46.

Corona Foothill Lemon Company, Corona, Calif. Fresh citrus fruit. 361,077, Oct. 4, 1938. Republished Jan. 11. Class 46.

County Metal Manufacturnig Corporation, New York, N. Y. Medicine cabinets. 505,643, Jan. 11; Serial No. 528,194. Class 32.

Cramp, Wm., & Sons Ship & Engine Building Co., The, Philadelphia, by The Baldwin Locomotive Works, Eddystone, Pa. Metals comprising babbitt metal and manganese-bronze. 64,766, Aug. 20, 1907. Republished Jan. 11. Class 14.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,599, Jan. 11; Serial No. 543,103, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,600, Jan. 11; Serial No. 543,106, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,601, Jan. 11; Serial No. 543,109, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,602, Jan. 11; Serial No. 543,111, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,603, Jan. 11; Serial No. 543,115, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,604, Jan. 11; Serial No. 543,120, published Sept. 21, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 505,605, Jan. 11; Serial No. 543,143, published Sept. 21, 1948. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 505,608, Jan. 11; Serial No. 550,127, published Sept. 21, 1948. Class 42.

Cyclops Steel Company, Inc., Titusville, to Universal-Cyclops Steel Corporation, Bridgeville, Pa. Chromium-tungsten die steels. 249,427–8, renewed Nov. 13, 1948. O. G. Jan. 11. Class 14.

Cyclops Steel Company, Inc., Titusville, to Universal-Cyclops Steel Corporation, Bridgeville, Pa. Non-corrosive, non-magnetic, alloy-metal steels. 249,429, renewed Nov. 13, 1948. O. G. Jan. 11. Class 14.

Ecusta Paper Corporation: *See*—

Frank Tea & Spice Company, The, Cincinnati, Ohio. Insect powder. 141,553, Apr. 26, 1921. Republished Jan.

Gould, P. J., Company, Chicago, Ill. Slip covers for upholstered furniture. 505,647, Jan. 11; Serial No.

Cyclops Steel Company, Inc., Titusville, to Universal-Cyclops Steel Corporation, Bridgeville, Pa. Nonrusting, nonstaining alloy steels. 249,571, renewed Nov. 20, 1948. O. G. Jan. 11. Class 14.

Dan River Mills: *See*—
Riverside & Dan River Cotton Mills, Inc.

Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.

Dart, E. M., Mfg. Co., Providence, R. I. Metal pipe fittings. 145,068, July 26, 1921. Republished Jan. 11. Class 13.

Davison-Paxon Company, Atlanta, Ga. Textile blankets. 235,311, Nov. 15, 1927. Republished Jan. 11. Class 42.

Dayton Color Works Company, The, by The Lowe Brothers Company, Dayton, Ohio. Black ready-mixed paints. 154,915, May 16, 1922. Republished Jan. 11. Class 16.

De-Fi Manufacturing Company, New York, N. Y. Carbon paper and typewriter ribbons. 138,234, Dec. 21, 1920. Republished Jan. 11. Class 11.

De-Fi Manufacturing Company, New York, N. Y. Carbon-paper and typewriter ribbons. 138,802, Jan. 11, 1921. Republished Jan. 11. Class 11.

De-Fi Manufacturing Company, New York, N. Y. Carbon-paper and typewriter ribbons. 138,960, Jan. 18, 1921. Republished Jan. 11. Class 11.

Delancey Chemical Corporation: *See*—
Publicker Incorporated.

De Lancey Chemical Corporation: *See*—
Publicker Incorporated.

Delsyn-Gould, Inc., New York, N. Y. Deodorants. 505,664, Jan. 11; Serial No. 553,346. Class 6.

Delta Brush Manufacturing Corporation, New York, N. Y. Artists' water colors. 434,655, Dec. 2, 1947. Republished Jan. 11. Class 16.

Desbergers Limited: *See*—
La Compagnie Pharamaceutique Desbergers.

Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 232,861, Sept. 20, 1927. Republished Jan. 11. Class 42.

Dexheimer and Becker Co., by Mound City Products Company, St. Louis, Mo. Wines. 316,152, Aug. 14, 1934. Republished Jan. 11. Class 47.

Dexheimer & Becker Company, by Mound City Products Company, St. Louis, Mo. Gin. 355,278, Mar. 8, 1938. Republished Jan. 11. Class 49.

Dietrich-Post Company, by Clearprint Paper Company, San Francisco, Calif. Brown print paper. 377,332, Apr. 30, 1940. Republished Jan. 11. Class 37.

Dietrich-Post Company, by Clearprint Paper Company, San Francisco, Calif. Tracing paper. 379,373, July 9, 1940. Republished Jan. 11. Class 37.

Distillers Agency Limited, The: *See*—
Distillers Company, Limited, The.

Distillers Company, Limited, The.
Kahn, E. & Co., Inc.

Distillers Agency Limited, The, Edinburgh, Scotland. Scotch whisky. 302,146, Mar. 28, 1933. Republished Jan. 11. Class 49.

Distillers Agency Limited, The, Edinburgh, Scotland. Rum, whisky, gin, etc. 302,727–8, Apr. 25, 1933. Republished Jan. 11. Class 49.

Distillers Agency Limited, The, Edinburgh, Scotland. Scotch whisky. 329,446, Oct. 29, 1935. Republished Jan. 11. Class 49.

Distillers Agency Limited, The, Edinburgh, Scotland. Scotch whisky. 369,637, Aug. 1, 1939. Republished Jan. 11. Class 49.

Distillers Agency Limited, The, Edinburgh, Scotland. Scotch whisky. 407,434, June 6, 1944. Republished Jan. 11. Class 49.

Distillers Company, Limited, The, by The Distillers Agency Limited, Edinburgh, Scotland. Whisky. 22,771, Apr. 11, 1893. Republished Jan. 11. Class 49.

Dixie Chemical Company, Houston, Tex. Mixture of chemicals. 502,127, Sept. 14, 1948. Corrected. O. G. Jan. 11. Class 6.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 505,593–4, Jan. 11; Serial No. 537,434–5, published Sept. 28, 1948. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 505,595, Jan. 11; Serial No. 537,437, published Sept. 28, 1948. Class 37.

Donahoe's Incorporated, Pittsburgh, Pa. Cooked foods. 314,362, June 26, 1934. Republished Jan. 11. Class 46.

Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 387,501, May 20, 1941. Republished Jan. 11. Class 46.

Dorsey Trailers, Elba, Ala. Refrigerated trailers. 505,631, Jan. 11; Serial No. 511,865. Class 19.

Droutman Manufacturing Co., New York, N. Y. Luggage. 505,635, Jan. 11; Serial No. 518,879. Class 3.

Dunn Sulphite Paper Co., Port Huron, Mich. Tissue paper. 278,378, Dec. 16, 1930. Republished Jan. 11. Class 37.

Eagle Manufacturing Co., Wellsburg, W. Va. Oil-containing receptacles. 181,778, Mar. 25, 1924. Republished Jan. 11. Class 2.

Eagle Manufacturing Co., Wellsburg, W. Va. Torches, tallow pots, or oil pots. 197,915, Apr. 28, 1925. Republished Jan. 11. Class 34.

Eclipse Fountain Pen and Pencil Company, Limited, The, Toronto, Ontario, Canada. Fountain pens, mechanical pencils, and desk sets. 441,817, Jan. 11; Serial No. 514,084, published Oct. 5, 1948. Class 37.

Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.

Ecusta Paper Corporation: *See*—
Champagne Paper Corporation.

Einhorn Brothers, by Einhorn Brothers, Inc., Philadelphia, Pa. Children's dresses. 255,024, Apr. 9, 1929. Republished Jan. 11. Class 39.

Einborn Brothers, Inc.: *See*—
Einhorn Brothers.

Elco Grease and Oil Company, The, now by change of name to The Elco Lubricant Corporation, by The Elco Lubricant Corporation, Cleveland, Ohio. Lubricating oils. 407,622, June 13, 1944. Republished Jan. 11. Class 15.

Elco Grease and Oil Company, The, by The Elco Lubricant Corporation, Cleveland, Ohio. Lubricating oils and greases. 413,784, May 15, 1945. Republished Jan. 11. Class 15.

Elco Lubricant Corporation, The: *See*—
Elco Grease and Oil Company.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricating oils and greases. 413,792, May 15, 1945. Republished Jan. 11. Class 15.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. 416,305, Sept. 4, 1945. Republished Jan. 11. Class 15.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. 430,561–3, June 17, 1947. Republished Jan. 11. Class 15.

Elco Lubricant Corporation, The, Cleveland, Ohio. Chemical concentrate. 432,420, Sept. 2, 1947. Republished Jan. 11. Class 6.

Elfast Service Corporation, New York, N. Y. Travel services. 505,621, Jan. 11; Serial No. 536,511, published Oct. 5, 1948. Class 55.

Ellis Coat Co. Inc., The, Manchester, Conn. Coats and suits for teen-age girls. 505,638, Jan. 11: Serial No. 521,122. Class 39.

Empire State Pickling Co., Phelps, N. Y. Mixture of tomato juice and sauerkraut juice. 356,280, Apr. 19, 1938. Republished Jan. 11. Class 46.

Enger-Kress Company, West Bend, Wis. Key containers. 505,642, Jan. 11; Serial No. 525,338. Class 3.

Enro Shirt Company, The: *See*—
Enro Shirt Company.

Enro Shirt Company, by The Enro Shirt Company, Louisville, Ky. Dress and outer shirts, undershirts, collars, etc. 162,068, Dec. 5, 1922. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Dress, negligee, and work shirts. 184,394, May 20, 1924. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Sport shirts. 214,199, Jnne 15, 1926. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's dress, negligee, and sport shirts, pajamas, and underwear. 357,165, May 24, 1938. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's dress and negligee shirts, sport shirts, pajamas, and underwear. 361,626, Oct. 25, 1938. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's negligee and dress shirts, pajamas, and collars. 363,657, Jan. 3, 1939. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's negligee, dress and sport shirts and pajamas. 367,846, May 30, 1939. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's dress and negligee shirts, pajamas, and sport shirts. 374,459, Jan. 9, 1940. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Sport shirts, outer shirts and pajamas. 381,295, Sept. 17, 1940. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Sport shirts and pajamas. 390,555, Sept. 30, 1941. Republished Jan. 11. Class 39.

Enro Shirt Company, The, Louisville, Ky. Men's outer shirts, pajamas and sport shirts. 410,080, Nov. 7, 1944. Republished Jan. 11. Class 39.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 198,179, May 5, 1925. Republished Jan. 11. Class 17.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 357,537, June 7, 1938. Republished Jan. 11. Class 17.

Escondido Co-Operative Citrus Association, Escondido, Calif. Fresh citrus fruits. 259,065, July 23, 1929. Republished Jan. 11. Class 46.

Evans, S. W., & Son, by S. W. Evans & Son, Philadelphia, Pa. Umbrella and parasol frames. 162,503, Dec. 19, 1922. Republished Jan. 11. Class 41.

Eversharp, Inc., Chicago, Ill. Fountain pens and mechanical pencils. 505,581, Jan. 11; Serial No. 533,558, published Sept. 28, 1948. Class 37.

Felder Shoe Mfg. Co., Seattle, by Bone Dry Shoe Mfg. Co., Tacoma, Wash. Boots and shoes. 129,355, Feb. 17, 1920. Republished Jan. 11. Class 39.

Fits Overall Company of Atchison, Kans., The: *See*—
Burnham-Munger Mfg. Co., The.

Flightex Fabrics, Inc., New York, N. Y. Sailcloth in the piece. 505,609, Jan. 11; Serial No. 550,135, published Sept. 21, 1948. Class 42.

Flint, Frank C., doing business as Knit Goods Specialty Company, to Knit Goods Specialty Co., Chicopee Falls, Mass. Fabric bags for shoes and the like. 248,103, renewed Oct. 16, 1948. O. G. Jan. 11. Class 2.

Florian, Inc., Detroit, Mich., by The Armand Company, Des Moines, Iowa. Shaving cream. 268,362, Mar. 11, 1930. Republished Jan. 11. Class 4.

Frank Tea & Spice Company, The, Cincinnati, Ohio. Insect powder. 141,553, Apr. 26, 1921. Republished Jan. 11. Class 6.

Franklin Research Company: *See*—
Wilbur White Chemical Company, The.
Wilbur White Chemical Company, Inc., The.

Franklin Research Company, Philadelphia, Pa. Coating materials. 340,296, Nov. 3, 1936. Republished Jan. 11. Class 16.

Franklin Research Company, Philadelphia, Pa. Varnish. 344,334, Mar. 16, 1937. Republished Jan. 11. Class 16.

Freitas, Amber, doing business as Amber Weaving Service, Buffalo, N. Y. Cloth weaving service for repairing hole burns or defects in textile materials. 505,620, Jan. 11; Serial No. 533,873, published Oct. 12, 1948. Class 55.

Fremont Canning Company, doing business as Gerber Products Company, by Gerber Products Company, Fremont, Mich. Canned fruits and vegetables. 309,865, Aug. 8, 1939. Republished Jan. 11. Class 46.

Freydberg Brothers, Incorporated, by Freydberg Bros.-Strauss, Inc., New York, N. Y. Ribbon composed of cellulose composition material. 282,631, Apr. 28, 1931. Republished Jan. 11. Class 7.

Freydberg Bros.-Strauss, Inc.: *See*—
Freydberg Brothers, Incorporated.

Friendly Laboratories, Shawnee, Okla. Diuretic stimulant. 358,106, June 28, 1938. Republished Jan. 17, Class 6.

Friendly Laboratories, Shawnee, Okla. Laxative. 386,062, Mar. 25, 1941. Republished Jan. 11. Class 6.

Fruit of the Loom, Inc.: *See*—
Knight, B. B. & R. Corporation.

Fruit of the Loom, Inc., Providence, R. I. Women's slips. 404,249, Nov. 16, 1943. Republished Jan. 11. Class 39.

Fulton Specialty Co., Elizabeth, N. J. Dater stamps. 505,576, Jan. 11; Serial No. 533,292, published Sept. 28, 1948. Class 37.

G. A. L. Blouse Co., Inc., New York, N. Y. Ladies' blouses. 505,634, Jan. 11; Serial No. 518,653. Class 39.

Gae Specialty Shops, Inc., by Edward Joseph, Chicago, Ill. Hosiery. 382,023, Oct. 15, 1940. Republished Jan. 11. Class 39.

Gallatin Valley Milling Company, Seattle, Wash. Wheat flour. 226,417, Apr. 5, 1927. Republished Jan. 11. Class 46.

Garden of the Setting Sun, Inc., Mecca, Calif. Fresh dates. 505,567, Jan. 11; Serial No. 529,761, published June 15, 1948. Class 46.

Garden State Tanning Co., by Garden State Tanning, Inc., New York, N. Y. Raw hides. 353,570, Jan. 11, 1938. Republished Jan. 11. Class 1.

Garden State Tanning Co., by Garden State Tanning, Inc., New York, N. Y. Raw hides. 363,151, Dec. 13, 1938. Republished Jan. 11. Class 1.

Garden State Tanning, Inc.: *See*—
Garden State Tanning Co.

Gases Incorporated, by National Cylinder Gas Company, Chicago, Ill. Compressed gases. 319,017, Nov. 13, 1934. Republished Jan. 11. Class 6.

General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 226,492, Apr. 12, 1927. Republished Jan. 11. Class 6.

General Dyestuff Corporation, New York, N. Y. Dyestuffs. 232,223, Sept. 6, 1927. Republished Jan. 11. Class 6.

General Dyestuff Corporation, New York, N. Y. Dyestuffs. 235,202–3, Nov. 15, 1927. Republished Jan. 11. Class 6.

General Printed String Company, Milwaukee, Wis. Cotton tape for package tying. 505,646, Jan. 11; Serial No. 529,980. Class 7.

General Solvents Sales Company, Inc., Rochester, N. Y. Liquid solvent and cleaner, etc. 427,708, Feb. 18, 1947. Canceled Dec. 6, 1948. O. G. Jan. 11. Class 4.

Gerber Products Company: *See*—
Fremont Canning Company.

Gerber Products Company, Fremont, Mich. Canned and packaged foods for infants, children and invalids. 405,310, Jan. 18, 1944. Republished Jan. 11. Class 46.

Gerstman Manufacturing Co., Inc., Buffalo, N. Y. Outer jackets, ski suits and ski pants. 351,826, Nov. 9, 1937. Republished Jan. 11. Class 39.

Gibbs & Company, by Models' Cosmetics, Inc., Chicago, Ill. Make-up and lipstick. 418,336, Dec. 18, 1945. Republished Jan. 11. Class 6.

Glaser, Crandell Company, Chicago, Ill. Prepared mustard. 323,182, Apr. 2, 1935. Republished Jan. 11. Class 46.

Gleaner Harvester Corporation: *See*—
Gleaner Manufacturing Co.

Gleaner Manufacturing Co., The, by Gleaner Harvester Corporation, Independence, Mo. Combined harvesters, thrashers and separators. 222,924, Jan. 11, 1927. Republished Jan. 11. Class 23.

Goldenberg Company, The: *See*—
Goldenberg's.

Goldenberg's, by The Goldenberg Company, Washington, D. C. Perfumeries and toilet water, face powder, etc. 237,185, Jan. 3, 1928. Republished Jan. 11. Class 6.

Goslin-Birmingham Manufacturing Company, Inc., Birmingham, Ala. Filters. 273,566, Aug. 5, 1930. Republished Jan. 11. Class 31.

Gould, P. J., Company, Chicago, Ill. Slip covers for upholstered furniture. 505,647, Jan. 11; Serial No. 530,192. Class 32.

Graceform-Camlin Corset Co., Inc.: *See*—
Graceform Corset Co., Inc.

Graceform Corset Co., Inc., by Graceform-Camlin Corset Co., Inc., New York, N. Y. Girdles, corsets, corset brassières, etc. 352,000; Nov. 16, 1937. Republished Jan. 11. Class 39.

Gray Envelope Manufacturing Company, Inc., The, Brooklyn, N. Y. Writing paper and envelopes. 505,606, Jan. 11; Serial No. 546,150, published Sept. 28, 1948. Class 37.

Great American Tea Company, The, New York, N. Y. Toilet tissue. 505,566, Jan. 11; Serial No. 528,466, published Feb. 3, 1948. Class 37.

Greenberg, Sidney, New York, N. Y. Skin lotion. 430,484, June 10, 1947. Canceled Dec. 6, 1948. O. G. Jan. 11. Class 6.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats and overcoats for men, youths, and boys. 216,509, Aug. 10, 1926. Republished Jan. 11. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc., for men, youths, and boys. 272,357, July 8, 1930. Republished Jan. 11. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc., for men, youths and boys. 280,486, Feb. 17, 1931. Republished Jan. 11. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc., for men, youths, and boys. 287,802, Oct. 13, 1931. Republished Jan. 11. Class 39.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc., for men, youths, and boys. 313,759, June 5, 1934. Republished Jan. 11. Class 39.

Hadley, Earl G., Pittsburgh, Pa. Speech formula charts. 419,313, Feb. 12, 1946. Republished Jan. 11. Class 38.

Hahn, Mel, & Gilbert, Inc., New York, N. Y. Women's and misses' blouses, dresses, play suits, and slacks. 505,644, Jan. 11; Serial No. 528,473. Class 39.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. 380,596, Aug. 27, 1940. Republished Jan. 11. Class 38.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. 413,187, Apr. 10, 1945. Republished Jan. 11. Class 38.

Hall Brothers, Incorporated, Kansas City, Mo. Blank tickets to be filled in for merchandising systems. 423,209, Aug. 27, 1946. Republished Jan. 11. Class 37.

Hall & Pickles Limited, Manchester, England. Steel for tools and iron and steel in the form of pigs, ingots, billets, etc. 133,691, Aug. 3, 1920. Republished Jan. 11. Class 14.

Hamm, John, Baking Company, by Yur-Favorite Cake Co., St. Louis, Mo. Cakes. 103,384, Mar. 30, 1915. Republished Jan. 11. Class 46.

Hamm, Theo., Brewing Co., St. Paul, Minn. Malt extract. 67,369, Jan. 28, 1908. Republished Jan. 11. Class 48.

Hampton Modern, Inc., Paterson, N. J. Living room, dining room, kitchen and bridge tables and chairs, davenports, bed dressers, etc. 505,625, Jan. 11; Serial No. 497,178. Class 32.

Hancock Steel Co., Inc., Detroit, Mich. Steel, aluminum, and copper sheets, steel bars, brass rods, etc. 505,641, Jan. 11; Serial No. 523,586. Class 14.

Hanover Canning Company, Hanover, Pa. Canned vegetables. 206,598, Dec. 8, 1925. Republished Jan. 11. Class 46.

Hanover Canning Company, Hanover, Pa. Canned vegetables. 360,767, Sept. 27, 1938. Republished Jan. 11. Class 46.

Harbison & Walker, by Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick, tile, and articles made of fire-clay. 24,272–3, Feb. 20, 1894. Republished Jan. 11. Class 12.

Harbison-Walker Refractories Company: *See*—
Harbison & Walker.

Harrower, Norman, doing business as Linton Brothers & Company, Fitchburg, Mass. Cardboard. 505,577, Jan. 11; Serial No. 533,306, published Sept. 28, 1948. Class 37.

Harrower, Norman, doing business as Linton Brothers & Company, Fitchburg, Mass. Bristol board, cardboard, tag board, cover stock, and paper. 505,578, Jan. 11; Serial No. 533,308, published Sept. 28, 1948. Class 37.

Harzfeld's, Inc., Kansas City, Mo. Women's, misses', and children's dresses. 254,969, Apr. 2, 1929. Republished Jan. 11. Class 39.

Harzfeld's, Inc., Kansas City, Mo. Women's leather, fabric, and combination leather-fabric shoes. 293,984, May 10, 1932. Republished Jan. 11. Class 39.

Harzfeld's, Inc., Kansas City, Mo. Ladies' hosiery. 297,609, Sept. 20, 1932. Republished Jan. 11. Class 39.

Harzfeld's, Inc., Kansas City, Mo. Perfume. 298,223, Oct. 18, 1932. Republished Jan. 11. Class 6.

Harzfeld's, Inc., Kansas City, Mo. Astringent, skin tonic, tissue cream, etc. 299,516, Dec. 6, 1932. Republished Jan. 11. Class 6.

Harzfeld's, Inc., Kansas City, Mo. Children's shoes. 307,822, Nov. 7, 1933. Republished Jan. 11. Class 39.

Harzfeld's, Inc., Kansas City, Mo. Handbags and traveling bags. 317,991, Oct. 9, 1934. Republished Jan. 11. Class 3.

Harzfeld's, Inc., Kansas City, Mo. Women's, misses', and children's dresses, coats, raincoats, etc. 324,269, May

Japanese Tissue Mills, by American Tissue Mills, Holyoke, Mass. Paper towels and paper napkins. 85,354, Feb.

Knight, B. B. & R., Corporation, assignor to Fruit of the Loom, Inc., by Fruit of the Loom, Inc., Providence, R. I. Women's, misses' and children's textile underwear, cor-

Lowe Brothers Company, The, Dayton, Ohio. Ready-mixed liquid paints. 338,298, Sept. 1, 1936. Republished Jan. 11. Class 16.

Lowe Brothers Company, The, Dayton, Ohio. Varnishes.

Harzfeld's, Inc., Kansas City, Mo. Women's, misses', and children's dresses, coats, raincoats, etc. 324,269, May 14, 1935. Republished Jan. 11. Class 39.
Harzfeld's, Inc., Kansas City, Mo. Women's and misses' suits, coats, sweaters, etc. 370,963, Sept. 12, 1939. Republished Jan. 11. Class 39.
Harzfeld's, Inc., Kansas City, Mo. Women's, misses', and girls' suits, shorts, sweaters, etc. 414,411, June 12, 1945. Republished Jan. 11. Class 39.
Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 505,649, Jan. 11; Serial No. 534,136. Class 22.
Hego Fabrics, Inc., New York, N. Y. Piece goods. 400,608, Mar. 23, 1943. Republished Jan. 11. Class 42.
Helms Bakeries, Los Angeles, Calif. Bakery products. 343,707, Mar. 2, 1937. Republished Jan. 11. Class 46.
Helms Bakeries, Los Angeles, Calif. Bakery products. 346,780, June 8, 1937. Republished Jan. 11. Class 46.
Helzberg's Diamond Shops, Inc., Kansas City, Mo. Jewelry. 505,645, Jan. 11; Serial No. 529,642. Class 28.
Herbst Shoe Manufacturing Co.: *See*—
Cedar Grove Shoe Mfg. Co.
Herter Machine Tool & Die Works: *See*—
Herter, William.
Herter, William, doing business as Herter Machine Tool & Die Works, Queens Village, N. Y. Envelope opener. 441,818, Jan. 11; Serial No. 518,680, published Sept. 21, 1948. Class 37.
Hillyard Chemical Company: *See*—
Hillyard, Newton S.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor wax. 295,831–2, July 12, 1932. Republished Jan. 11. Class 16.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor polish. 299,270, Nov. 29, 1932. Republished Jan. 11. Class 16.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor wax. 299,325, Nov. 29, 1932. Republished Jan. 11. Class 16.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor dressing. 410,525, Nov. 28, 1944. Republished Jan. 11. Class 16.
Hillyard Chemical Company, St. Joseph, Mo. Liquid floor polish. 416,944, Oct. 9, 1945. Republished Jan. 11. Class 16.
Hillyard, Newton S., doing business as Hillyard Chemical Company, by Hillyard Chemical Company, St. Joseph, Mo. Disinfectant. 174,861, Oct. 23, 1923. Republished Jan. 11. Class 6.
Hillyard, Newton S., doing business as Hillyard Chemical Company, by Hillyard Chemical Company, St. Joseph, Mo. Floor dressing. 175,130, Oct. 30, 1923. Republished Jan. 11. Class 16.
Hillyard, Newton S., doing business as Hillyard Chemical Company, by Hillyard Chemical Company, St. Joseph, Mo. Furniture-cleaning compound with incidental polishing properties. 184,889, June 3, 1924. Republished Jan. 11. Class 4.
Holman, A. J., Company, Philadelphia, Pa. Particular edition of the New Testament. 163,718, Jan. 23, 1923. Republished Jan. 11. Class 38.
Horder's, Incorporated, Chicago, Ill. Typewriter paper. 505,587, Jan. 11; Serial No. 536,522, published Sept. 21, 1948. Class 37.
Horder's, Incorporated, Chicago, Ill. Typewriter paper. 505,588, Jan. 11; Serial No. 536,526, published Sept. 21, 1948. Class 37.
Horder's, Incorporated, Chicago, Ill. Typewriter papers and index cards. 505,589, Jan. 11; Serial No. 536,527, published Sept. 21, 1948. Class 37.
Horner, Burnett E., assignor to Simplicity Merchandiser, Inc., Oklahoma City, Okla. Business forms and filing cards. 441,820, Jan. 11; Serial No. 519,001, published Sept. 28, 1948. Class 37.
Hull, Eleanor H., New York, N. Y. Shoulder pads. 505,660, Jan. 11; Serial No. 543,185. Class 40.
Hunsicker, Robert F., doing business as Allen Products Company, Allentown, Pa. Canned and frozen dog food. 431,917, Aug. 12, 1947. Republished Jan. 11. Class 46.
I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, by General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 227,300, May 3, 1927. Republished Jan. 11. Class 6.
I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, by General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 227,413, May 3, 1927. Republished Jan. 11. Class 6.
Imperial Belting Company, Chicago, Ill. Duck belting. 133,144, July 13, 1920. Republished Jan. 11. Class 35.
Imperial Belting Company, Chicago, Ill. Duck belting. 138,031, Dec. 14, 1920. Republished Jan. 11. Class 35.
Imperial Belting Company, Chicago, Ill. Duck belting. 139,823, Feb. 22, 1921. Republished Jan. 11. Class 35.
Indian Motocycle Company, Springfield Mass. Motorcycles. 351,941, Nov. 16, 1937. Republished Jan. 11. Class 19.
International Cellucotton Products Company, Chicago, Ill. All purpose absorbent paper tissues. 505,573, Jan. 11; Serial No. 532,230, published Oct. 5, 1948. Class 37.
Janshaw Fabrics Incorporated, New York, N. Y. Textile fabrics. 505,610, Jan. 11; Serial No. 550,150, published Sept. 21, 1948. Class 42.
Japanese Tissue Mills, by American Tissue Mills, Holyoke, Mass. Decorated or ornamental crepe paper napkins. 74,178, June 22, 1909. Republished Jan. 11. Class 37.
Japanese Tissue Mills, by American Tissue Mills, Holyoke, Mass. Paper towels and paper napkins. 85,354, Feb. 13, 1912. Republished Jan. 11. Class 37.
Japanese Tissue Mills, by American Tissue Mills, Holyoke, Mass. Toilet-paper. 85,660, Mar. 5, 1912. Republished Jan. 11. Class 37.
Jeddo-Highland Coal Company, Jeddo, Pa. Coal. 242,334, May 22, 1928. Republished Jan. 11. Class 1.
Jefferson Island Salt Company, by Jefferson Island Salt Company, Louisville, Ky. Rock and evaporated salt. 375,170, Feb. 13, 1940. Republished Jan. 11. Class 46.
Joseph and Feiss Co., The, Cleveland, Ohio. Men's clothing. 355,600, Mar. 22, 1938. Republished Jan. 11. Class 39.
Joseph & Feiss Company, Cleveland, Ohio. Topcoats and overcoats. 381,982, Oct. 15, 1940. Republished Jan. 11. Class 39.
Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills.
New York Mills Corporation.
Juilliard, A. D., & Co., Inc., New York, N. Y. Printed corduroys in the piece. 270,695, May 13, 1930. Republished Jan. 11. Class 42.
Juilliard, A. D., & Co., Inc., New York, N. Y. Velveteen textile fabrics in the piece. 284,095, June 16, 1931. Republished Jan. 11. Class 42.
Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 293,789, May 3, 1932. Republished Jan. 11. Class 42.
Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroys in the piece. 345,949, May 11, 1937. Republished Jan. 11. Class 42.
Julep Company, The, Chicago, Ill. Non-alcoholic maltless beverages, soda fountain syrups, bottlers' flavors and concentrates. 373,070, Nov. 21, 1939. Republished Jan. 11. Class 45.
Juvenile Mfg. Co., The, San Antonio, Tex. Boys' suits, blouses, and pants, etc. 230,969, Aug. 9, 1927. Republished Jan. 11. Class 39.
Kahn, E., & Co., Inc., Baltimore, Md., by The Distillers Agency Limited, Edinburgh, Scotland. Whisky, brandy, gin, etc. 318,360, Oct. 23, 1934. Republished Jan. 11. Class 49.
Kaynee Company, The, Cleveland, Ohio. Blouses, shirts, and sports shirts for boys and girls. 438,068, Mar. 11, 1947. Republished Jan. 11. Class 39.
Keene-Belvidere Canning Company, Belvidere, Ill., by Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas and corn. 197,952, Apr. 28, 1925. Republished Jan. 11. Class 46.
Keene-Belvidere Canning Company, Belvidere, Ill., by Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas and corn. 199,619, June 16, 1925. Republished Jan. 11. Class 46.
Kenmar Manufacturing Company, The, East Palestine, Ohio. Upholstered davenports, upholstered chairs, occasional and reclining chairs, etc. 505,560, Jan. 11; Serial No. 518,533, published Sept. 21, 1948. Class 32.
Kentucky Fertilizer Works, Winchester, Ky. Fertilizer. 505,626, Jan. 11; Serial No. 500,308. Class 10.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Wire rope or cable. 417,762, Nov. 13, 1945. Republished Jan. 11. Class 7.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Flexible metal hose. 417,763, Nov. 13, 1945. Republished Jan. 11. Class 35.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Lock equipped cabinets. 422,427, July 23, 1946. Republished Jan. 11. Class 25.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Cabinets for smoke detecting equipment. 422,757, Aug. 13, 1946. Republished Jan. 11. Class 32.
Kidde, Walter, & Company, Inc., Belleville, N. J. Brackets for supporting cylinders of fire extinguishing medium. 423,227, Aug. 27, 1946. Republished Jan. 11. Class 13.
Kidde, Walter, & Company, Inc., New York, N. Y., and Belleville, N. J. Porosity filters and strainers. 424,601, Oct. 15, 1946. Republished Jan. 11. Class 31.
King Candy Co., Fort Worth, Tex. Candy. 142,656, May 17, 1921. Republished Jan. 11. Class 46.
King Candy Co., Fort Worth, Tex. Candy. 146,788, Sept. 20, 1921. Republished Jan. 11. Class 46.
King Candy Co., Fort Worth, Tex. Candy. 183,968, May 13, 1924. Republished Jan. 11. Class 46.
King Candy Co., Fort Worth, Tex. Candy. 193,759, Jan. 6, 1925. Republished Jan. 11. Class 46.
Knick, Perley L., doing business as Knick's Mend-Rite Mfg. Co., by Knick's Mend-Rite Co., Kansas City, Mo. Fan belts, rubber and fabric patches, and blow-out patches. 194,200, Jan. 20, 1925. Republished Jan. 11. Class 35.
Knickerbocker Mfg. Co., by Knickerbocker Rubber Company, Chicago, Ill. Massage shower bath sprays. 140,618, Mar. 22, 1921. Republished Jan. 11. Class 13.
Knickerbocker Rubber Company: *See*—
Knickerbocker Mfg. Co.
Knick's Mend-Rite Co.: *See*—
Knick, Perley L.
Knick's Mend-Rite Mfg. Co.: *See*—
Knick, Perley L.
Knight, B. B. & R., Corporation, assignor to Fruit of the Loom, Inc., by Fruit of the Loom, Inc., Providence, R. I. Bias tape. 379,071, July 2, 1940. Republished Jan. 11. Class 40.

Knight, B. B. & R., Corporation, assignor to Fruit of the Loom, Inc., by Fruit of the Loom, Inc., Providence, R. I. Men's, women's, and children's textile underwear, corsets, nightshirts, etc. 379,072, July 2, 1940. Republished Jan. 11. Class 39.
Knight, B. B. & R., Corporation, assignor to Fruit of the Loom, Inc., by Fruit of the Loom, Providence, R. I. Cotton and rayon textile piece goods, sheets, and pillow cases, etc. 379,073, July 2, 1940. Republished Jan. 11. Class 42.
Knit Goods Specialty Co.: *See*—
Flint, Frank C.
Koch Butchers' Supply Company, North Kansas City, Mo. Insecticides. 403,984, Oct. 26, 1943. Republished Jan. 11. Class 6.
Krier Preserving Company, The, Belgium, Wis. Canned vegetables. 390,284, Sept. 16, 1941. Republished Jan. 11. Class 46.
Krier Preserving Company, The, Belgium, Wis. Canned vegetables. 431,248, July 15, 1947. Republished Jan. 11. Class 46.
Krumm, Ludwig, Co., Inc., New York, N. Y. Wallets, ladies' handbags, and leather luggage. 505,640, Jan. 11; Serial No. 522,286. Class 3.
Kuehn, Otto L., Co., Milwaukee, Wis. Canned sardines. 100,843, Oct. 27, 1914. Republished Jan. 11. Class 46.
Kuehn, Otto L., Co., Milwaukee, Wis. Canned sardines. 100,847, Oct. 27, 1914. Republished Jan. 11. Class 46.
La Compagnie Pharmaceutique Desbergers, by Desbergers Limited, Montreal, Quebec, Canada. Soporific medicine. 297,077, Aug. 30, 1932. Republished Jan. 11. Class 6.
La Compagnie Pharmaceutique Desbergers, by Desberger Limited, Montreal, Quebec, Canada. Liver powder. 298,678, Nov. 1, 1932. Republished Jan. 11. Class 6.
La Compagnie Pharamaceutique Desbergers, by Desbergers Limited, Montreal, Quebec, Canada. Medicinal powder. 331,957, Jan. 28, 1936. Republished Jan. 11. Class 6.
Lane Paper Co., Inc., Jersey City, N. J. Jacquard paper board. 505,586, Jan. 11; Serial No. 536,406, published Sept. 21, 1948. Class 37.
Lea Manufacturing Co., The, Waterbury, Conn. Buffing and polishing compositions. 408,273, Aug. 1, 1944. Republished Jan. 11. Class 4.
Lea Manufacturing Company, The, Waterbury, Conn. Glue compositions. 411,018, Jan. 2, 1945. Republished Jan. 11. Class 5.
Levitch, David, doing business as Briny Marlin Coat & Suit Co., by Briny Marlin, Inc., Kansas City, Mo. Ladies' coats and suits. 422,351, July 16, 1946. Republished Jan. 11. Class 39.
Lichtman, J., & Sons, Newark, N. J. Leather. 357,612, June 7, 1938. Republished Jan. 11. Class 1.
Lichtman, J., & Sons, Newark, N. J. Leather. 370,738, Sept. 5, 1939. Republished Jan. 11. Class 1.
Lincoln Park Tool and Gage Company, The, Lincoln Park, Mich., by Webber Gage Company, Cleveland, Ohio. Precision gauge blocks. 407,066, May 16, 1944. Republished Jan. 11. Class 26.
Linton Brothers & Company: *See*—
Harrower, Norman.
Live Stock Press, Inc., The: *See*—
Ryan, Edwin J.
Loeb, William W., Company, Los Angeles, Calif., assignee of William W. Loeb Company. Shower curtains. 505,627, Jan. 11; Serial No. 505,508. Class 42.
Lombardy Wine Corporation, New York, N. Y. Wines. 329,060, Oct. 15, 1935. Corrected. O. G. Jan. 11. Class 47.
Longleaf Mills, Inc., Matthews, N. C. Piece goods made of rayon fabric. 441,823, Jan. 11; Serial No. 524,471, published Sept. 21, 1948. Class 42.
Louisville Textiles, Incorporated, Louisville, Ky. Upholstery, drapery and decorative fabrics in the piece. 505,585, Jan. 11; Serial No. 536,107, published Sept. 21, 1948. Class 42.
Lowe Brothers Company, The: *See*—
Dayton Color Works Company, The.
Lowe Brothers Company, The, by The Lowe Brothers Company (1929), Dayton, Ohio. Liquid and paste paints. 56,989, Oct. 30, 1906. Republished Jan. 11. Class 16.
Lowe Bros. Co., The, by The Lowe Brothers Company (1929), Dayton, Ohio. Liquid and paste paints, colors in oil, dry colors and varnishes. 58,562, Dec. 18, 1906. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, by The Lowe Brothers Company (1929), Dayton, Ohio. Varnish. 125,234, Apr. 22, 1919. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, by The Lowe Brothers Company (1929), Dayton, Ohio. Ready-mixed paints. 140,426, Mar. 15, 1921. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Semi-paste paint. 194,107, Jan. 13, 1925. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, by The Lowe Brothers Company (1929), Dayton, Ohio. Filler, primer, sealer and surfacer. 210,539, Mar. 16, 1926. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Paints, varnishes, enamels, etc. 276,106, Oct. 7, 1930. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Paints, paint finishes, paint enamel finishes, etc. 282,606, Apr. 28, 1931. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Ready-mixed liquid paints. 338,298, Sept. 1, 1936. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Varnishes, enamels, lacquers, stains, etc. 344,061, Mar. 9, 1937. Republished Jan. 11. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Color chart directory. 389,869, Aug. 26, 1941. Republished Jan. 11. Class 38.
Lowe Brothers Company, The, Dayton, Ohio. Paints and paint enamels. 432,091, Aug. 19, 1947. Republished Jan. 11. Class 16.
Lowe Brothers Company (1929), The: *See*—
Lowe Brothers Company, The.
Lower, I., Marion, Ohio. Insecticides. 423,782, Sept. 10, 1946. Republished Jan. 11. Class 6.
Lustron Corporation: *See*—
Porcelain Products Company.
MacVeagh, Franklin, and Company, Chicago, Ill. Canned salmon, clams, clam juice, etc. 335,015, May 19, 1936. Republished Jan. 11. Class 46.
Mallard, A. E., Laboratories: *See*—
Mallard, Albert E.
Mallard, A. E., Laboratories, Inc.: *See*—
Mallard, Albert E.
Mallard, Albert E., by A. E. Mallard Laboratories, Inc., Detroit, Mich. Tablets and capsules. 244,136, July 10, 1928. Republished Jan. 11. Class 6.
Mallard, Albert E., by A. E. Mallard Laboratories, Inc., Detroit, Mich. Tablets. 291,952, Feb. 23, 1932. Republished Jan. 11. Class 6.
Mallard, Albert E., by A. E. Mallard Laboratories, Inc., Detroit, Mich. Tablets and capsules. 314,509, July 3, 1934. Republished Jan. 11. Class 6.
Mallard, Albert E., by A. E. Mallard Laboratories, Inc., Detroit, Mich. Halibut liver oil. 324,730, May 28, 1935. Republished Jan. 11. Class 6.
Mallard, Albert E., by A. E. Mallard Laboratories, Inc., Detroit, Mich. Prophylactic suppositories. 356,325, Apr. 26, 1938. Republished Jan. 11. Class 6.
Marblehead Lime Company, Chicago, Ill. Hydrated lime. 180,902, Mar. 11, 1924. Republished Jan. 11. Class 12.
Marlboro Shirt Company, Inc., Baltimore, Md. Men's dress, negligee and work shirts. 210,352, Mar. 16, 1926. Republished Jan. 11. Class 39.
Marotta & Cella, Brooklyn, N. Y. Olive oil, canned tomatoes, canned peas, etc. 253,080, Feb. 19, 1929. Republished Jan. 11. Class 46.
Marshall Field & Company, Chicago, Ill., by Burlington Mills Corporation, Greensboro, N. C. Hosiery. 138,483, Dec. 28, 1920. Republished Jan. 11. Class 39.
Martin California: *See*—
Martin, Manuel.
Martin, Frederic, Sr., doing business as Columbus Washboard Co., to Columbus Washboard Company, Columbus, Ohio. Washboards. 244,859, renewed July 31, 1948. O. G. Jan. 11. Class 24.
Martin, Manuel, doing business as Martin California, Los Angeles, Calif. Sewing stands, telephone stands, smoke stands, etc. 441,819, Jan. 11; Serial No. 518,843, published Sept. 21, 1948. Class 32.
McBee Company, The, Athens, Ohio. Bond paper. 441,814, Jan. 11; Serial No. 474,754, published Oct. 5, 1948. Class 37.
McBratney, Robert, & Company, Incorporated, New York, N. Y. Linen piece goods. 505,570, Jan. 11; Serial No. 531,345, published Sept. 21, 1948. Class 42.
Meletio Sea Food Company, Inc., St. Louis, Mo. Food preparation. 389,794, Aug. 19, 1941. Republished Jan. 11. Class 46.
Mellin-Quincy Manufacturing Co., Inc., Newark, N. J. Dining room tables, chairs, buffets, etc. 441,829, Jan. 11; Serial No. 518,612. Class 32.
Metal Textile Corporation, Roselle, N. J. Metallic sponge like abrasive wads or pads. 280,422, Feb. 17, 1931. Republished Jan. 11. Class 4.
Metal Textile Corporation, Roselle, N. J. Pot cleaners. 366,418, Apr. 11, 1939. Republished Jan. 11. Class 4.
Metal Textile Corporation, Roselle, N. J. Paper dolls. 377,915, May 21, 1940. Republished Jan. 11. Class 22.
Michalitschke Bros. & Co., San Francisco, Calif. Cigarette paper. 505,648, Jan. 11; Serial No. 530,543. Class 8.
Miles Shoes Incorporated: *See*—
Rosenberg, Murray M., Inc.
Minnesota Valley Canning Company: *See*—
Keene-Belvidere Canning Company.
Miro-Flex Company, Inc.: *See*—
Rich Signs Corporation.
Mission Dry Corporation, Los Angeles, Calif. Nonalcoholic maltless beverage. 381,897, Oct. 15, 1940. Republished Jan. 11. Class 45.
Models' Cosmetics, Inc.: *See*—
Gibbs & Company.
Mojonnier, Frederick E., doing business as Walla Walla Hothouse Vegetable Co., to Mojonnier & Sons, Inc., Walla Walla, Wash. Fresh vegetables. 252,322, renewed Feb. 5, 1949. O. G. Jan. 11. Class 46.
Mojonnier & Sons, Inc.: *See*—
Mojonnier, Frederick E.
Monsen-Chicago, by Monsen-Chicago, Chicago, Ill. Transparent adhesive backed paper printed to order. 420,221, Apr. 2, 1946. Republished Jan. 11. Class 38.

Mound City Products Company: *See*—
Dexheimer and Becker Co.
Dexheimer & Becker Company.

Mountain View Fruit Association: *See*—
Mountain View Orange and Lemon Growers Association.

Mountain View Fruit Association, Upland, Calif. Fresh citrus fruits. 248,294, Oct. 16, 1928. Republished Jan. 11. Class 46.

Mountain View Orange and Lemon Growers Association, by Mountain View Fruit Association, Upland, Calif. Oranges and lemons. 84,023, Oct. 31, 1911. Republished Jan. 11. Class 46.

Mueller Co., Decatur, Ill. Soldering nipples. 229,813, July 5, 1927. Republished Jan. 11. Class 13.

Mueller Co., Decatur, Ill. Valves and faucets. 231,257, Aug. 16, 1927. Republished Jan. 11. Class 13.

Mueller Co., Decatur, Ill. Valves and cocks. 231,322, Aug. 16, 1927. Republished Jan. 11. Class 13.

Mulford, H. K., Company, to Sharp & Dohme, Incorporated, Philadelphia, Pa. Antacid and corrective for digestive disturbances. 249,763, renewed Nov. 20, 1948. O. G. Jan. 11. Class 6.

Munising Paper Company, The, Chicago, Ill. Bond, mimeograph, and ledger papers. 505,575, Jan. 11; Serial No. 532,953, published Oct. 5, 1948. Class 37.

Munising Paper Company, The, Chicago, Ill. Bond, ledger, mimeograph, and duplicator papers. 505,583, Jan. 11; Serial No. 535,087, published Sept. 21, 1948. Class 37.

Musante, George B., San Jose, Calif. Fresh vegetables. 352,736, Dec. 14, 1937. Republished Jan. 11. Class 46.

Mutual Buying Syndicate, Inc., New York, N. Y. Sheets and pillow cases. 505,613, Jan. 11; Serial No. 550,539, published Sept. 21, 1948. Class 42.

Mutual Citrus Products Company, Anaheim, Calif. Fresh citrus fruits. 367,961, Aug. 8, 1939. Republished Jan. 11. Class 46.

Myers, Harry, and Company, Inc.: *See*—
Sonneborn, Henry, Company, Inc.

National Blank Book Company, Holyoke, Mass. Loose leaf binders. 314,871, July 10, 1934. Republished Jan. 11. Class 37.

National Cylinder Gas Company: *See*—
Gases Incorporated.

National Paper Corporation of Pennsylvania, Ransom, Pa., and New York, N. Y. Paper towels, paper napkins, toilet tissue and facial tissue. 505,562, Jan. 11; Serial No. 519,973, published Sept. 7, 1948. Class 37.

National Starch Products Inc., New York, N. Y. Resin and starch adhesives. 425,121, Nov. 5, 1946. Republished Jan. 11. Class 5.

National Starch Products Inc., New York, N. Y. Resin and starch adhesives. 431,643, July 29, 1947. Republished Jan. 11. Class 5.

National Vulcanized Fibre Co.: *See*—
American Vulcanized Fibre Co.

Nelson, James, Limited, Bradford, England. Bindings, braids, galloons, etc. 410,049, Nov. 7, 1944. Republished Jan. 11. Class 40.

New Haven Copper Co., The, Seymour, Conn. Copper shingles. 336,646, July 14, 1936. Republished Jan. 11. Class 12.

New York Mills Corporation, by A. D. Juilliard & Co., Inc., New York, N. Y. Plain and fancy corduroys. 216,606, Aug. 17, 1926. Republished Jan. 11. Class 42.

New York Mills Corporation, New York Mills, by A. D. Juilliard & Co., Inc., New York, N. Y. Cotton piece goods. 163,378, Jan. 9, 1923. Republished Jan. 11. Class 42.

Norfolk and Western Railway Company, Roanoke, Va. Service of railroad transportation. 505,619, Jan. 11; Serial No. 531,701, published Oct. 5, 1948. Class 55.

Norma-Hoffmann Bearings Corporation, Stamford, Conn. Grease for ball and roller bearings. 386,295, Apr. 1, 1941. Republished Jan. 11. Class 15.

North American Paint & Chemical Co., Ltd., by Old Colony Paint & Chemical Co., Los Angeles, Calif. Paint enamels. 293,190, Apr. 12, 1932. Republished Jan. 11. Class 16.

Nutone, Incorporated, Chicago, Ill. Home electric door chimes, door signals, and inter-office chime and buzzer signalling apparatus, etc. 505,582, Jan. 11; Serial No. 534,915, published July 13, 1948. Class 21.

Old Colony Paint & Chemical Co.: *See*—
North American Paint & Chemical Co. Ltd.

Oneida Chemical Company: *See*—
Wiley, Frank L.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrus fruits. 189,220, Sept. 16, 1924. Republished Jan. 11. Class 46.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrus fruits. 189,846, Sept. 30, 1924. Republished Jan. 11. Class 46.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrus fruits. 405,943, Feb. 29, 1944. Republished Jan. 11. Class 46.

Osborn Paper Company, Marion, Ind. Scratch pads, memo pads, legal and office pads, etc. 505,557, Jan. 11; Serial No. 499,456, published Sept. 28, 1948. Class 37.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Table knives, forks, and spoons. 157,168, July 25, 1922. Republished Jan. 11. Class 23.

Ovington's Gift Shop, Inc.: *See*—
Ovington Bros. Company.

Padre Vineyard Company, Los Angeles, Calif. Brandy. 418,481, Dec. 25, 1945. Republished Jan. 11. Class 49.

Pan-American Enterprises, Inc.: *See*—
Super Oil Heet Co.

Pangburn Company, Inc., Fort Worth, Tex. Candies and ice cream. 157,170, July 25, 1922. Republished Jan. 11. Class 46.

Pantex Manufacturing Corporation, Central Falls, R. I., assignee of Pantex Pressing Machine, Inc. Garment reshaping and refreshing machines. 505,624, Jan. 11; Serial No. 491,280. Class 24.

Pantex Pressing Machine, Inc.: *See*—
Pantex Manufacturing Corporation.

Paper Corporation of America, New York, N. Y. Paper stock. 505,590–1, Jan. 11; Serial No. 536,633–4, published Sept. 28, 1948. Class 37.

Pappas, C., Company Inc.: *See*—
Capsalis Brothers.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Company, The.

Paraffine Companies, Inc., The, San Francisco, Calif. Liquid paints, varnishes, and paint compounds. 131,815, May 25, 1920. Republished Jan. 11. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Waterproof roofings and building-papers. 132,772, June 29, 1920. Republished Jan. 11. Class 12.

Paraffine Companies, Inc., The, San Francisco, Calif. Floor covering. 234,863, Nov. 8, 1927. Republished Jan. 11. Class 20.

Paraffine Paint Co., The: *See*—
Paraffine Paint Companies, Inc., The.

Paraffine Paint Co., The, by The paraffine Paint Companies, Inc., San Francisco, Calif. Paint and paint compounds. 65,279, Sept. 17, 1907. Republished Jan. 11. Class 16.

Paraffine Paint Company, The, by The Paraffine Companies, Inc., San Francisco, Calif. Building-paper and composite roofing. 79,002, July 26, 1910. Republished Jan. 11. Class 12.

Paraffine Paint Company, The, by The Paraffine Companies, Inc., San Francisco, Calif. Paint and paint compounds. 80,941, Feb. 14, 1911. Republished Jan. 11. Class 16.

Peavey Paper Mills (Inc.), Ladysmith, Wis. Labelled roll toilet tissue. 505,568, Jan. 11; Serial No. 530,761, published Sept. 21, 1948. Class 37.

Pharis Tire and Rubber Company, The, Newark, Ohio. Tile and floor coverings. 505,564, Jan. 11; Serial No. 523,612, published Sept. 21, 1948. Class 20.

Pioneer Instrument Company, Brooklyn, N. Y., by Bendix Aviation Corporation, Teterboro, N. J. Electric gyroscopic apparatus and electric control systems. 197,167, Apr. 14, 1925. Republished Jan. 11. Classes 21 and 26.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruits. 430,574, June 17, 1947. Republished Jan. 11. Class 46.

Plough, Inc., Memphis, Tenn. Medicinal liniment. 433,160, Sept. 30, 1947. Republished Jan. 11. Class 6.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Ironing board pads, ironing board covers, ironing board pad and cover sets. 505,628, Jan. 11; Serial No. 509,454. Class 24.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Soap. 505,629, Jan. 11; Serial No. 509,464. Class 4.

Porcelain Products Company, Cicero, Ill., by Lustron Corporation, Columbus, Ohio. Building materials. 353,109, Dec. 28, 1937. Republished Jan. 11. Class 12.

Pound, John, Ltd., New York, N. Y. Luggage. 441,827. Jan. 11; Serial No. 502,710. Class 3.

Progressive Clothing Manufacturing Company, Philadelphia, Pa. Men's and young men's overcoats and top coats. 379,910, July 30, 1940. Republished Jan. 11. Class 39.

Prym, William, Inc., Killingly and Dayville, Conn. Paper clips, thumb tacks, frosen wire staples, etc. 505,607, Jan. 11; Serial No. 546,873, published Sept. 28, 1948. Class 37.

Publicker Incorporated, assignor to De Lancey Chemical Corporation, by Delancey Chemical Corporation, Philadelphia, Pa. Solidified carbon dioxide. 274,075, Aug. 19, 1930. Republished Jan. 11. Class 6.

R & K Dress Corporation, New York, N. Y., assignee of Rosenthal & Kalman, Inc. Cotton piece goods. 505,633, Jan. 11; Serial No. 518,042. Class 42.

Red Head Brand Company, Chicago, Ill. Duffel bags. 505,662, Jan. 11; Serial No. 548,842. Class 3.

Re-Ly-On Products Company, Pittsburgh, Pa. Bed springs and mattresses. 506,598, Jan. 11; Serial No. 538,315, published Sept. 28, 1948. Class 32.

Rexall Drug Company: *See*—
United Drug Company.

Reynolds Manufacturing Company, The, Holyoke, Mass. Writing, bond, ledger, manifold, and mimeograph papers, and school and business tablets. 505,569, Jan. 11; Serial No. 530,958, published Sept. 28, 1948. Class 37.

Rich Signs Corporation, by Miro-Flex Company, Inc., Wichita, Kans. Highway markers. 355,080, Mar. 8, 1938. Republished Jan. 11. Class 50.

Rival Foods, Inc.: *See*—
Adams, Haskell, Company.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Cotton chambrays, cotton shirtings, cotton broadcloth, etc. 331,650, Jan. 14, 1936. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Zephyr gingham, sheeting, sheets, etc. 366,852, May 2, 1939. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Cotton piece goods for suitings. 368,107, June 6, 1939. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 368,496, June 20, 1939. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 372,253, Oct. 24, 1939. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 385,876, Mar. 18, 1941. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 398,971, Dec. 8, 1942. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 399,672, Jan. 26, 1943. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 401,877, June 15, 1943. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., Danville, Va., and New York, N. Y., by Dan River Mills, Incorporated, Danville, Va. Fabrics of cotton, rayon, wool, etc. 402,819, Aug. 17, 1943. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Cotton plaids and checks in the piece, cotton sheetings, sheets, etc. 407,813, June 27, 1944. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Sheeting, sheets and pillowcases. 407,814, June 27, 1944. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 419,238, Feb. 5, 1946. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 420,302–3, Apr. 2, 1946. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Piece goods. 421,607, June 4, 1946. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting and pillowcases. 422,634–5, Aug. 6, 1946. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting and pillowcases. 422,637, Aug. 6, 1946. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., by Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. 427,091, Jan. 28, 1947. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., doing business as Dan River Mills, now by change of name to Dan River Mills, Incorporated, by Dan River Mills, Incorporated, Danville, Va. Florists' twine. 426,166, Dec. 17, 1946. Republished Jan. 11. Class 7.

Riverside & Dan River Cotton Mills, Inc., now by change of name to Dan River Mills, Incorporated, by Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillowcases. 428,517, Mar. 25, 1947. Republished Jan. 11. Class 42.

Riverside & Dan River Cotton Mills, Inc., now by change of name to Dan River Mills, Incorporated, by Dan River Mills, Incorporated, Danville, Va. Oxford shirting fabrics. 430,327, June 10, 1947. Republished Jan. 11. Class 42.

Robins, G. S., & Company, St. Louis, Mo. Piece fabric made of nylon. 505,558, Jan. 11; Serial No. 508,858, published Sept. 21, 1948. Class 42.

Rockwell-Barnes Company, Chicago, Ill. Adding-machine rolls, binders, clip boards, etc. 158,076, Aug. 22, 1922. Republished Jan. 11. Class 37.

Roddenberry, H. D., Delano, Calif. Fresh vegetables. 371,287, Sept. 19, 1939. Republished Jan. 11. Class 46.

Rodney Milling Company, Kansas City, Mo. Wheat flour. 199,345, June 9, 1925. Republished Jan. 11. Class 46.

Roeding Fig Co.: *See*—
Roeding Fig & Olive Co.

Roeding Fig & Olive Co., to Roeding Fig Co., Fresno, Calif. Dried fruits. 247,260, renewed Sept. 25, 1948. O. G. Jan. 11. Class 46.

Rombro Brothers, Inc., Baltimore, Md. Work pants, jackets, dungarees, etc. 429,857, May 20, 1947. Republished Jan. 11. Class 39.

Rosenberg, Murray M., Inc., by Miles Shoes Incorporated, New York, N. Y. Shoes, slippers, and boots, etc. 346,944, June 15, 1937. Republished Jan. 11. Class 39.

Rosenthal & Kalman, Inc.: *See*—
R & K Dress Corporation.

Ross Manufacturing Company, Kansas City, Mo. Compound for stopping leaks in boilers. 284,768, July 7, 1931. Republished Jan. 11. Class 6.

Ross Manufacturing Company, Kansas City, Mo. Boiler cleaning compound. 287,147, Sept. 15, 1931. Republished Jan. 11. Class 6.

Rubardt, O. P., & Co.: *See*—
Rubardt, Oscar P.

Rubardt, Oscar P., doing business as O. P. Rubardt & Co., Chicago, Ill. Dyes and dyestuffs. 282,540, Apr. 21, 1931. Republished Jan. 11. Class 6.

Rubon Woodfinishing & Products Co., Kansas City, Mo. Dust cloths, dusters, dust mops, etc. 206,454, Dec. 1, 1925. Republished Jan. 11. Class 29.

Ryan, Edwin J., to The Live Stock Press, Inc., Chicago, Ill. Printed publication. 246,849, renewed Sept. 18, 1948. O. G. Jan. 11. Class 38.

Sacks-Barlow Foundries, Inc.: *See*—
Sacks, Louis, Inc.

Sacks, Louis, Inc., doing business as Louis Sacks Iron Foundry, to Sacks-Barlow Foundries, Inc., Newark, N. J. Iron castings. 246,715, renewed Sept. 11, 1948. O. G. Jan. 11. Class 14.

Sacks, Louis, Iron Foundry: *See*—
Sacks, Louis, Inc.

Salsbury's, Dr., Laboratories, Charles City, Iowa. Poultry and bird medicines. 325,993, July 9, 1935. Amended. O. G. Jan. 11. Class 6.

San Dimas Orange Growers Association, San Dimas, Calif. Oranges. 112,069, Aug. 22, 1916. Republished Jan. 11. Class 46.

Satterfield, Guy, Nice, Calif. Salve. 505,658, Jan. 11; Serial No. 542,357. Class 6.

Schapira, David, New York, N. Y. Soap impregnated paper tissue. 438,139, Apr. 6, 1948. Canceled Dec. 14, 1948. O. G. Jan. 11. Class 4.

Schmidt & Ault Paper Co.: *See*—
Codorus Paper Mills, Limited.

Schmidt & Ault Paper Co., York, Pa. Box-board and wrapping paper. 181,141, Mar. 11, 1924. Republished Jan. 11. Class 37.

Schmidt & Ault Paper Co., York, Pa. Indented paper carpet lining. 181,795, Mar. 25, 1924. Republished Jan. 11. Class 50.

Schmidt & Ault Paper Co., York, Pa. Paper lining for corrugated paper. 269,126, Mar. 25, 1930. Republished Jan. 11. Class 37.

Schutter-Johnson Candy Co., Chicago, Ill., by Universal Match Corporation, St. Louis, Mo. Candy. 201,022, July 14, 1925. Republished Jan. 11. Class 46.

Schutter-Johnson Candy Co., Chicago, Ill., by Universal Match Corporation, St. Louis, Mo. Candy. 204,790, Oct. 27, 1925. Republished Jan. 11. Class 46.

Scott & Fetzer Company, The, Cleveland, Ohio. Electrically operated suction cleaners. 226,783, Apr. 19, 1927. Republished Jan. 11. Class 21.

Scott and Fetzer Company, The, Cleveland, Ohio. Electric vacuum cleaners. 251,392, Jan. 8, 1929. Republished Jan. 11. Class 21.

Scott & Fetzer Company, The, Cleveland, Ohio. Suction carpet sweepers. 283,804, June 9, 1931. Republished Jan. 11. Class 23.

Scoville, Brown & Company, Wellsville, N. Y. Coffee. 210,172, Mar. 9, 1926. Republished Jan. 11. Class 46.

Scoville, Brown & Company, Wellsville, N. Y. Canned vegetables, tea, and coffee. 232,876, Sept. 20, 1927. Republished Jan. 11. Class 46.

Scoville, Brown & Company, Wellsville, N. Y. Olives, salad dressing, rice, etc. 241,059, Apr. 17, 1928. Republished Jan. 11. Class 46.

Scoville, Brown & Company, Wellsville, N. Y. Canned fruits and vegetables, and coffee. 263,872, Nov. 12, 1929. Republished Jan. 11. Class 46.

Scoville, Brown & Company, Wellsville, N. Y. Toilet paper and paper napkins. 315,681, Aug. 7, 1934. Republished Jan. 11. Class 37.

Scoville, Brown & Company, Wellsville, N. Y. Corn meal, corn starch, flours, etc. 316,574, Aug. 28, 1934. Republished Jan. 11. Class 46.

Scoville, Brown & Company, Wellsville, N. Y. Gloss laundry starch. 316,710, Sept. 4, 1934. Republished Jan. 11. Class 6.

Scoville, Brown & Company, Wellsville, N. Y. Beverages. 317,712, Oct. 2, 1934. Republished Jan. 11. Class 45.

Scoville, Brown & Company, Wellsville, N. Y. Matches. 365,715, May 14, 1939. Republished Jan. 11. Class 9.

Scoville, Brown & Company, Wellsville, N. Y. Floor wax. 382,292, Oct. 22, 1940. Republished Jan. 11. Class 16.

Scoville Manufacturing Company, Waterbury, Conn. Ball cocks, flush valves, tank fittings. 234,663, Nov. 1, 1927. Republished Jan. 11. Class 13.

Sebastiani Canning Co., Sonoma, Calif., by S. J. Miller Packing Company, Grand Junction, Colo. Canned vegetables. 391,852, Nov. 25, 1941. Republished Jan. 11. Class 46.

Sebastiani Canning Co., by S. J. Miller Packing Company, Grand Junction, Colo. Canned food products. 406,201, Mar. 14, 1944. Republished Jan. 11. Class 46.

Security Manufacturing Company, Kansas City, Mo. Furnaces. 380,206, Aug. 13, 1940. Republished Jan. 11. Class 34.

Shallow Water Refining Company, Scott City, Kans. Straight petroleum roofing asphalt. 386,213, Apr. 1, 1941. Republished Jan. 11. Class 12.

Sharp & Dohme, Incorporated: *See*—
Mulford, H. K. Company.

Sherwin-Williams Company, The, Cleveland, Ohio. Varnish and paint. 101,599, Dec. 29, 1914. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, finishes, and enamels. 150,107, Dec. 27, 1921. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 164,607, Feb. 20, 1923 Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint, paint enamels, primers, paint oil, etc. 168,111, May 15, 1923. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 169,474, June 19, 1923. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 170,537, July 17, 1923. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, enamels, japans, etc. 196,878, Mar. 31, 1925. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 200,589, June 7, 1925. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Nitrocellulose lacquers and enamels, etc. 203,242, Sept. 15, 1925. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, finishes, varnishes, etc. 206,908, Dec. 15, 1925. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 240,802, Apr. 10, 1928. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 246,774, Sept. 11, 1928. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 263,042, Oct. 29, 1929. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 263,943, Nov. 12, 1929. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and germicides. 263,944, Nov. 12, 1929. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, enamels, or lacquers. 265,302, Dec. 24, 1929. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, lacquers, etc. 275,775, Sept. 30, 1930. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, varnish enamels, etc. 284,170, June 16, 1931. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, paint enamels, etc. 295,811, July 12, 1932. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides. 313,845, June 12, 1934. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint fillers, kalsomine, etc. 332,410, Feb. 11, 1936. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 339,747, Oct. 20, 1936. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, and flocculators. 350,551, Sept. 28, 1937. Republished Jan. 11. Class 6.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. 353,267, Dec. 28, 1937. Republished Jan. 11. Class 6.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides and fungicides. 355,903, Apr. 5, 1938. Republished Jan. 11. Class 6.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides. 361,955, Nov. 8, 1938. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 371,289, Sept. 19, 1939. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 372,791, Nov. 14, 1939. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint fillers, undercoaters, etc. 377,638, May 7, 1940. Republished Jan. 11. Class 16.

Sherwin-Williams Co., The, Cleveland, Ohio. Insecticides. 381,074, Sept. 10, 1940. Republished Jan. 11. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints and paint enamels. 413,297, Apr. 17, 1945. Republished Jan. 11. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Pest inhibiting compositions. 424,217, Sept. 24, 1946. Republished Jan. 11. Class 6.

Sherwin-William Company, The, Cleveland, Ohio. General purpose spray gun apparatus and equipment. 426,804, Jan. 14, 1947. Republished Jan. 11. Class 23.

Sigma Nu Fraternity, Indianapolis, Ind. Periodical publication. 234,528, Nov. 1, 1927. Republished Jan. 11. Class 38.

Sigma Nu Fraternity, Indianapolis, Ind. Writing paper and envelopes and memorandum blanks, etc. 241,565–8, May 1, 1928. Republished Jan. 11. Class 37.

Sigma Nu Fraternity, Indianapolis, Ind. Fraternity badges, coat of arms, shields, etc. 244,879, July 31, 1928. Republished Jan. 11. Classes 23 and 28.

Silver & Troy: *See*—
Wolf, William.

Simplicity Merchandiser, Inc.: *See*—
Horner, Burnett E.

Smith-Alsop Paint and Varnish Company, The, Terre Haute, Ind. Brushing lacquer. 210,704, Mar. 23, 1926. Republished Jan. 11. Class 16.

Smith, Frank A., Elsa, Tex. Fresh vegetables. 412,859, Mar. 27, 1945. Republished Jan. 11. Class 46.

Solvent Manufacturing Company, Oklahoma City. Okla. Chemical for non-acid treatment of water. 505,637, Jan. 11; Serial No. 520,976. Class 6.

Sonneborn, Henry, Company, Inc., by Harry Myers and Company, Inc., Baltimore, Md. Men's and boys' suits, and overcoats. 226,200, Apr. 5, 1927. Republished Jan. 11. Class 39.

Southern Biscuit Company, Incorporated: *See*—
Southern Biscuit Works.

Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 331,342, Jan. 7, 1936. Republished Jan. 11. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 337,156, July 28, 1936. Republished Jan. 11. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 341,695, Dec. 22, 1936. Republished Jan. 11. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 344,886, Apr. 6, 1937. Republished Jan. 11. Class 46.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 359,795, Aug. 30, 1938. Republished Jan. 11. Class 46.

Southern Biscuit Works, by Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 220,142, Nov. 2, 1926. Republished Jan. 11. Class 46.

Southern Plow Co. Dept.: *See*—
Columbus Iron Works.

Southwest Airways Company: *See*—
Southwest Airways, Incorporated.

Southwest Airways, Incorporated, by Southwest Airways Company, Phoenix, Ariz. Magazines. 409,609, Oct. 10, 1944. Republished Jan. 11. Class 38.

Speed Brite Chemical Co., Los Angeles, Calif. Wax furniture and automobile polish. 505,630, Jan. 11; Serial No. 509,612. Class 16.

Sperry-Young-Kevan, Inc., Kansas City, Mo. Syrup. 387,180, May 6, 1941. Republished Jan. 11. Class 46.

Sprague Products Company, North Adams, Mass. High wattage electric resistors. 434,649, Dec. 2, 1947. Republished Jan. 11. Class 21.

Sprague Products Company, North Adams, Mass. Electrolytic capacitors. 434,718, Dec. 2, 1947. Republished Jan. 11. Class 21.

Springs Cotton Mills, The, Lancaster, S. C. Cotton textile fabrics. 505,615, Jan. 11; Serial No. 550,628, published Sept. 21, 1948. Class 42.

Springs Cotton Mills, The, Lancaster, S. C. Cotton and rayon dress fabrics. 505,616, Jan. 11; Serial No. 550,629, published Sept. 21, 1948. Class 42.

Staley, A. E., Manufacturing Company, Decatur, Ill. Refined steepwater used for mold growth in the production of antibiotics. 505,651–6, Jan. 11; Serial Nos. 536,720–5. Class 6.

Staley, Edwin J., Toronto, Ontario, Canada. Concentrate in the form of a liquid. 384,505, Jan. 21, 1941. Canceled Dec. 10, 1948. O. G. Jan. 11. Class 46.

Standard Steel Works Company, Philadelphia, Pa., by The Baldwin Locomotive Works, Eddystone, Pa. Steel tires, steel tired wheels, and solid rolled steel wheels. 162,901, Dec. 26, 1922. Republished Jan. 11. Class 19.

Standard Steel Works Company, Philadelphia, by The Baldwin Locomotive Works, Eddystone, Pa. Forged and rolled steel pipe flanges. 165,484, Mar. 13, 1923. Republished Jan. 11. Class 13.

Star Manufacturing Company of Texas, Amarillo, Tex. Steel bins. 505,571, Jan. 11; Serial No. 531,956, published Sept. 28, 1948. Class 32.

Stern-Siegman Prins Company, North Kansas City, Mo. Women's and girls' coats. 393,676, Feb. 24, 1942. Republished Jan. 11. Class 39.

Stockham, Edward V., Inc., Havre de Grace, Md. Tomato catsup, canned tomato concentrate, canned pork and beans, etc. 265,374, Dec. 24, 1929. Republished Jan. 11. Class 46.

Super Oil Heet Co., Brooklyn, by Pan-American Enterprises, Inc., New York, N. Y. Oil burners. 340,222, Nov. 3, 1936. Republished Jan. 11. Class 34.

Sussman & Medney, by Sussman & Medney, Inc., New York, N. Y. Watches. 421,163, May 21, 1946. Republished Jan. 11. Class 27.

Sussman & Medney, Inc.: *See*—
Sussman & Medney.

Swigart Paper Company, Chicago, Ill. Sheet paper. 505,584, Jan. 11; Serial No. 536,011, published Sept. 28, 1948. Class 37.

Tanglefoot Company, The: *See*—
O. & W. Thum Company, The.

Tapo Citrus Association, Simi, Calif. Fresh citrus fruit. 384,851, Feb. 4, 1941. Republished Jan. 11. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
Collin County Mill & Elevator Co.

Thum, O. & W., Company, The, by The Tanglefoot Company, Grand Rapids, Mich. Gummed cloth tape and gummed paper tape. 287,464, Sept. 29, 1931. Republished Jan. 11. Class 5.

Timber Structures, Inc., Portland, Oreg. Wooden diving springboards. 505,650, Jan. 11; Serial No. 535,774. Class 22.

Titan Metal Company, Milesburg and Bellefonte, by Titan Metal Manufacturing Company, Bellefonte, Pa. Bronzes, round, square, and hexagonal bronze bars, etc. 120,800, Mar. 5, 1918. Republished Jan. 11. Class 14.

Titan Metal Company, Milesburg and Bellefonte, by Titan Metal Manufacturing Company, Bellefonte, Pa. Brass rods, naval brass, Munnts's metal, etc. 120,801, Mar. 5, 1918. Republished Jan. 11. Class 14.

Titan Metal Manufacturing Company: *See*—
Titan Metal Company.

Titan Metal Manufacturing Company, Bellefonte, Pa. Brass and bronze rods, shapes, and forgings and automatic screw machine parts. 288,569, Nov. 3, 1931. Republished Jan. 11. Class 14.

Titan Metal Manufacturing Company, Bellefonte, Pa. High tensile brass and bronze lavatory handles, bathroom soap dishes, etc. 304,975–6, July 25, 1933. Republished Jan. 11. Class 13.

Titan Metal Manufacturing Company, Bellefonte, Pa. Brass forgings, brass castings, and welding rods. 408,610, Aug. 22, 1944. Republished Jan. 11. Class 14.

Transit Buses, Inc., Detroit, Mich., and Union City, Ind. Automotive buses. 505,661, Jan. 11; Serial No. 546,628. Class 19.

Triton Co., The, Seattle, Wash., by Valley Evaporating Company, Yakima, Wash. Fresh apples. 239,096, Feb. 21, 1928. Republished Jan. 11. Class 46.

Truax-Traer Coal Company: *See*—
Cabin Creek Consolidated Coal Company.

Ullman Products Corp., Brooklyn, N. Y. Hair drying machines for use in beauty parlors. 441,826, Jan. 11; Serial No. 492,750. Class 44.

United Drug Company, Boston, Mass., to Rexall Drug Company, Los Angeles, Calif. Hot-water bags or bottles and fountain-syringes. 71,700, re-renewed Dec. 8, 1948. O. G. Jan. 11. Class 44.

United Industries, Abilene, Tex. Foaming bath salts. 505,639, Jan. 11; Serial No. 522,273. Class 6.

United States Rubber Company, New York, N. Y. Mattresses and bar stool cushions. 505,559, Jan. 11; Serial No. 516,744, published Sept. 21, 1948. Class 32.

Universal-Cyclops Steel Corporation: *See*—
Cyclops Steel Company, Inc.

Universal Match Corporation: *See*—
Schutter-Johnson Candy Co.

Universal Products Company, Inc.: *See*—
Universal Products Co., Inc., The.

Universal Products Co. Inc., The, by Universal Products Company, Inc., Detroit, Mich. Universal joints and parts thereof. 208,800, Feb. 9, 1926. Republished Jan. 11. Class 23.

Utah Fuel Company, Salt Lake City, Utah. Coal. 110,705, June 6, 1916. Republished Jan. 11. Class 1.

Utah Fuel Company, Salt Lake City, Utah. Coal. 117,721, July 24, 1917. Republished Jan. 11. Class 1.

Valley Evaporating Company: *See*—
Triton Co., The.

Van Raalte Company, Inc., New York, N. Y. Underwear for women and children. 267,609, Feb. 25, 1930. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's underwear. 286,845, Sept. 8, 1931. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Underwear for women and children. 290,050, Dec. 22, 1931. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 291,775, Feb. 23, 1932. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 292,996, Apr. 5, 1932. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 315,688, Aug. 7, 1934. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's hosiery and underwear. 316,541, Aug. 28, 1934. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's hosiery and underwear. 321,337, Jan. 29, 1935. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's and misses' underwear, hosiery, and gloves. 324,251, May 14, 1935. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's underwear. 343,308, Feb. 16, 1937. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Hosiery. 351,191, Oct. 19, 1937. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Women's, misses', and children's underwear. 351,637–8, Nov. 2, 1937. Republished Jan. 11. Class 39.

Van Raalte Company, Inc., New York, N. Y. Fabric gloves. 356,096, Apr. 12, 1938. Republished Jan. 11. Class 39.

Veritas Products Company, by Veritas Products Company, Inc., New York, N. Y. Antiseptic jelly. 298,205, Oct. 18, 1932. Republished Jan. 11. Class 6.

Veritas Products Company, Inc.: *See*—
Veritas Products Company.

Victory Packing Company, by Calo Dog Food Company, Incorporated, Oakland, Calif. Canned dog and cat food. 303,903, June 13, 1933. Republished Jan. 11. Class 46.

Victory Packing Company, by Calo Dog Food Company, Incorporated, Oakland, Calif. Food products for dogs. 328,291, Sept. 24, 1935. Republished Jan. 11. Class 46.

Vincennes Packing Corporation, Vincennes, Ind. Canned or bottled tomato juice, tomato juice cocktail, tomato catsup, etc. 301,657, Mar. 7, 1933. Republished Jan. 11. Class 46.

Vincennes Packing Corporation, Vincennes, Ind. Canned or bottled tomato juice, tomatoes, tomato juice cocktail, etc. 312,789, May 8, 1934. Republished Jan. 11. Class 46.

Vincent-McCall Company, The, Kenosha, Wis. Mattresses. 505,563, Jan. 11; Serial No. 520,841, published Sept. 28, 1948. Class 32.

Walgreen Co., Chicago, Ill. Photographs. 192,502, Dec. 9, 1924. Republished Jan. 11. Class 38.

Walgreen Co., Chicago, Ill. Sanitary napkins. 322,438, Mar. 5, 1935. Republished Jan. 11. Class 44.

Walla Walla Hothouse Vegetable Co.: *See*—
Mojonnier, Frederick E.

Warren, S. D., Company, Boston, Mass. Printing paper. 163,781, Jan. 23, 1923. Republished Jan. 11. Class 37.

Washington, G., Coffee Refining Co., New York, N. Y. Prepared coffee. 178,722, Jan. 15, 1924. Corrected. O. G. Jan. 11. Class 46.

Waugh Equipment Company, New York, N. Y. Draft gears for railway rolling stock. 441,828, Jan. 11; Serial No. 508,634. Class 19.

Webber Gage Company: *See*—
Lincoln Park Tool and Gage Company, The.

Werner, Chas. B., Co., Inc., New York, N. Y. Piece goods. 505,611, Jan. 11; Serial No. 550,189, published Sept 21, 1948. Class 42.

Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets and papeteries. 441,825, Jan. 11; Serial No. 526,122, published Jan. 13, 1948. Class 37.

Westmoreland Coal Company, Philadelphia and Westmoreland County, Pa. Bituminous coal. 22,955, May 2, 1893. Republished Jan. 11. Class 1.

West Virginia Rail Company, The, to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Railroad spikes. 255,260, renewed Apr. 16, 1949. O. G. Jan. 11. Class 13.

West Virginia Steel and Manufacturing Company: *See*—
West Virginia Rail Company, The.

Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Ready-mixed paints, paint enamels, and stains. 237,545, Jan. 10, 1928. Republished Jan. 11. Class 16.

White, J. G., Engineering Corporation, The, New York, N. Y., and Dover, Del. Engineering. 505,623, Jan. 11; Serial No. 547,080, published Oct. 5, 1948. Class 55.

Whiz Fish Products Company, Inc., Seattle, Wash. Fresh and frozen fish. 320,175, Dec. 18, 1934. Republished Jan. 11. Class 46.

Whizzer Motor Company, Los Angeles, Calif., by Whizzer Motor Company, Inc., Pontiac, Mich. Internal combustion bicycle motors. 428,871, Apr. 8, 1947. Republished Jan. 11. Class 23.

Whizzer Motor Company, Inc.: *See*—
Whizzer Motor Company.

Wigler, Albert: *See*—
Bechtold, William L.

White, Wilbur, Chemical Company, The, Owego, N. Y., by Franklin Research Company, Philadelphia, Pa. Waxing and polishing compositions. 295,027, June 14, 1932. Republished Jan. 11. Class 16.

White, Wilbur, Chemical Company, The, Owego, N. Y., by Franklin Research Company, Philadelphia, Pa. Emulsion for the preservation of fruits and vegetables. 298,232, Oct. 18, 1932. Republished Jan. 11. Class 6.

White, Wilbur, Chemical Company, Inc., The, Owego, N. Y., by Franklin Research Company, Philadelphia, Pa. Polishing wax. 303,046, May 9, 1933. Republished Jan. 11. Class 16.

White, Wilbur, Chemical Company, Inc., The, Owego, N. Y., by Franklin Research Company, Philadelphia, Pa. Liquid soap. 306,611, Sept. 26, 1933. Republished Jan. 11. Class 4.

Wiler, Frank J., doing business as Oneida Chemical Company, Oneida, Ill. Soap. 505,638, Jan. 11; Serial No. 536,010, published Sept. 28, 1948. Class 6.

Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Salt. 505,640, Jan. 11; Serial No. 536,012, published Sept. 28, 1948. Class 46.

CLASS 8

Halibut liver oil. A. E. Mallard. 324,730, May 28,

Wiley, Frank L., doing business as Oneida Chemical Company, Utica, N. Y. Liquid poison for extermination of rats. 505,632, Jan. 11; Serial No. 512,552. Class 6.

Winslow Product Engineering Corporation, Los Angeles, Calif. Chuck pencils. 441,821, Jan. 11; Serial No. 521,045, published Oct. 5, 1948. Class 37.

Wolf, William, assignor to Silver & Troy, Newark, N. J. Hand mirrors. 441,815, Jan. 11; Serial No. 492,167, published Sept. 28, 1948. Class 32.

Wolfenden, R., & Sons, Attleboro, Mass. Yarn. 418,360, Dec. 18, 1945. Republished Jan. 11. Class 43.

Wolfenden, R., & Sons, Attleboro, Mass. Cotton, woolen, linen, and rayon fibres, etc. 422,053, July 2, 1946. Republished Jan. 11. Class 1.

Woolen Corporation of America, The, New York, N. Y. Woolen, worsted and cotton piece goods. 399,718, Jan. 26, 1943. Republished Jan. 11. Class 42.

Worcester Salt Company: *See*—
Worcester Salt Co.

Worcester Salt Company, Silver Springs and New York, by Worcester Salt Company, New York, N. Y. Table salt. 65,644, Oct. 15, 1907. Republished Jan. 11. Class 46.

Worcester Salt Co., Silver Springs and New York, by Worcester Salt Company, New York, N. Y. Salt. 151,647, Feb. 7, 1922. Republished Jan. 11. Class 46.

Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Salt. 286,252–3, Aug. 25, 1931. Republished Jan. 11. Class 46.

Worcester Salt Co., by Worcester Salt Company, New York, N. Y. Salt. 289,934, Dec. 15, 1931. Republished Jan. 11. Class 46.

Worcester Salt Co., by Worcester Salt Company, New York, N. Y. Salt. 307,929, Nov. 14, 1933. Republished Jan. 11. Class 46.

Worcester Salt Co., by Worcester Salt Company, New York, N. Y. Ice cream salt. 310,203, Feb. 13, 1934. Republished Jan. 11. Class 6.

Worcester Salt Company, by Worcester Salt Company, New York, N. Y. Salt. 362,396, Nov. 15, 1938. Republished Jan. 11. Class 46.

Wright, William E., & Sons Company, West Warren, Mass. Tapes. 503,305, Oct. 19, 1948. Corrected. O. G. Jan. 11. Class 40.

Yur-Favorite Cake Co.: *See*—
Hamm, John, Baking Company.

Zephyr American Corporation, New York, N. Y. Notebook holders for stenographers. 505,572, Jan. 11; Serial No. 532,082, published Oct. 5, 1948. Class 37.

Zephyr Manufacturing Co.: *See*—
Acme Manufacturing Co.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Cabin Creek Consolidated Coal Company. 70,046, July 28, 1908. Republished Jan. 11.

Coal. Cabin Creek Consolidated Coal Company. 329,764, Nov. 12, 1935. Republished Jan. 11.

Coal. Jeddo-Highland Coal Company. 242,334, May 22, 1928. Republished Jan. 11.

Coal. Utah Fuel Company. 110,705, June 6, 1916. Republished Jan. 11.

Coal. Utah Fuel Company. 117,721, July 24, 1917. Republished Jan. 11.

Coal, Bituminous. Westmorel and Coal Company. 22,955, May 2, 1893. Republished Jan. 11.

Fibres, etc., Cotton, woolen, linen, and rayon. R. Wolfenden & Sons. 422,053, July 2, 1946. Republished Jan. 11.

Hides, Raw. Garden State Tanning Co. 353,570, Jan. 11. Republished Jan. 11.

Hides, Raw. Garden State Tanning Co. 363,151, Dec. 13, 1938. Republished Jan. 11.

Leather. J. Lichtman & Sons. 357,612, June 7, 1938. Republished Jan. 11.

Leather. J. Lichtman & Sons. 370,738, Sept. 5, 1939. Republished Jan. 11.

CLASS 2

Bags for shoes and the like, Fabric. F. C. Flint. 248,103, renewed Oct. 16, 1948. O. G. Jan. 11.

Bags, Paper or fibre garment. Clopay Corporation. 324,978–81, June 4, 1935. Republished Jan. 11.

Bags, Paper or fibre garment. Clopay Corporation. 324,983, June 4, 1935. Republished Jan. 11.

Receptacles, Oil-containing. Eagle Manufacturing Co. 181,778, Mar. 25, 1924. Republished Jan. 11.

CLASS 3

Bags, Duffel. Red Head Brand Company. 505,662, Jan. 11; Serial No. 548,842.

Bags, Handbags and traveling. Harzeld's, Inc. 317,991, Oct. 9, 1934. Republished Jan. 11.

Containers, Key. Enger-Kress Company. 505,642, Jan. 11; Serial No. 525,338.

Luggage. Droutman Manufacturing Co. 505,635, Jan. 11; Serial No. 518,879.

Luggage. John Pound, Ltd. 441,827, Jan. 11; Serial No. 502,710.

Wallets, ladies' handbags, and leather luggage. Krumm Ludwig Co., Inc. 505,640, Jan. 11; Serial No. 522,286.

CLASS 4

Abrasive wads or pads, Metallic spongelike. Metal Textile Corporation. 280,422, Feb. 17, 1931. Republished Jan. 11.

Buffing and polishing compositions. The Lea Manufacturing Co. 408,273, Aug. 1, 1944. Republished Jan. 11.

Cleaners, Pot. Metal Textile Corporation. 366,418, Apr. 11, 1939. Republished Jan. 11.

Cream, Shaving. Florian, Inc. 268,362, Mar. 11, 1930. Republished Jan. 11.

Dressing, Liquid leather. R. C. Barbour. 399,836, Feb. 2, 1943. Republished Jan. 11.

Dressings, Belt. The Black Diamond Paint & Varnish Works Inc. 346,410, May 25, 1937. Republished Jan. 11.

Furniture-cleaning compound with incidental polishing properties. N. S. Hillyard. 184,889, June 3, 1924. Republished Jan. 11.

Soap. Plymouth Wholesale Dry Goods Corporation. 505,629, Jan. 11; Serial No. 509,464.

Soap impregnated paper tissue. D. Schapira. 438,139, Apr. 6, 1948. Canceled Dec. 14, 1948. O. G. Jan. 11.

Soap, Liquid. The Wilbur White Chemical Company, Inc. 306,611, Sept. 26, 1933. Republished Jan. 11.

Solvent and cleaner, Liquid, etc. General Solvents Sales Company, Inc. 427,708, Feb. 18, 1947. Canceled Dec. 6, 1948. O. G. Jan. 11.

CLASS 5

Adhesives, Resin and starch. National Starch Products Inc. 425,121, Nov. 5, 1946. Republished Jan. 11.

Adhesives, Resin and starch. National Starch Products Inc. 431,643, July 29, 1947. Republished Jan. 11.

Glue compositions. The Lea Manufacturing Company. 411,018, Jan. 2, 1945. Republished Jan. 11.

Tape, Gummed cloth, and gummed paper tape. The O. & W. Thum Company. 287,464, Sept. 29, 1931. Republished Jan. 11.

CLASS 6

Antacid and corrective for digestive disturbances. H. K. Mulford Company. 249,763, renewed Nov. 20, 1948. O. G. Jan. 11.

Antiseptic jelly. Veritas Products Company. 298,205, Oct. 18, 1932. Republished Jan. 11.

Astringent, skin tonic, tissue cream, etc. Harzeld's, Inc. 299,516, Dec. 6, 1932. Republished Jan. 11.

Bath salts, Foaming. United Industries. 505,639, Jan. 11; Serial No. 522,273.

Carbon dioxide, Solidified. Publicker Incorporated. 274,075, Aug. 19, 1930. Republished Jan. 11.

Chemical concentrate adapted to be used in lubricants. The Elco Lubricant Corporation. 432,420, Sept. 2, 1947. Republished Jan. 11.

Chemical for non-acid treatment of water. Solvent Manufacturing Company. 505,637, Jan. 11; Serial No. 520,976.

Cleaning compound, Boiler. Ross Manufacturing Company. 287,147, Sept. 15, 1931. Republished Jan. 11.

Compound for stopping leaks in boilers. Ross Manufacturing Company. 284,768, July 7, 1931. Republished Jan. 11.

Deodorants. Delsyn-Gould, Inc. 505,664, Jan. 11; Serial No. 553,346.

Disinfectant. N. S. Hillyard. 174,861, Oct. 23, 1923. Republished Jan. 11.

Diuretic stimulant. Friendly Laboratories. 358,106, June 28, 1938. Republished Jan. 11.

Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,300, May 3, 1927. Republished Jan. 11.

Dyes and dyestuffs. I. G. Farbenindustrie Aktiengesellschaft. 227,413, May 3, 1927. Republished Jan. 11.

Dyes and dyestuffs. General Dyestuff Corporation. 226,492, Apr. 12, 1927. Republished Jan. 11.

Dyes and dyestuffs. O. P. Rubardt. 282,540, Apr. 21, 1931. Republished Jan. 11.

Dyestuffs. General Dyestuff Corporation. 232,223, Sept. 6, 1927. Republished Jan. 11.

Dyestuffs. General Dyestuff Corporation. 235,202–3, Nov. 15, 1927. Republished Jan. 11.

Emulsion for the preservation of fruits and vegetables. The Wilbur White Chemical Company. 298,232, Oct. 18, 1932. Republished Jan. 11.

Gases, Compressed. Gases Incorporated. 319,017, Nov. 13, 1934. Republished Jan. 11.

Halibut liver oil. A. E. Mallard. 324,730, May 28, 1935. Republished Jan. 11.

Ice cream salt. Worcester Salt Co. 310,203, Feb. 13, 1934. Republished Jan. 11.

Insecticides. Koch Butchers' Supply Company. 403,984, Oct. 26, 1943. Republished Jan. 11.

Insecticides. I. Lower. 423,782, Sept. 10, 1946. Republished Jan. 11.

Insecticides. The Sherwin-Williams Company. 313,845, June 12, 1934. Republished Jan. 11.

Insecticides. The Sherwin-Williams Co. 361,955, Nov. 8, 1938. Republished Jan. 11.

Insecticides. The Sherwin-Williams Co. 381,074, Sept. 10, 1940. Republished Jan. 11.

Insecticides and fungicides. The Sherwin-Williams Company. 240,802, Apr. 10, 1928. Republished Jan. 11.

Insecticides and fungicides. The Sherwin-Williams Company. 263,042, Oct. 29, 1929. Republished Jan. 11.

Insecticides and fungicides. The Sherwin-Williams Company. 263,943, Nov. 12, 1929. Republished Jan. 11.

Insecticides and fungicides. The Sherwin-Williams Co. 353,267, Dec. 28, 1937. Republished Jan. 11.

Insecticides and fungicides. The Sherwin-Williams Co. 355,903, Apr. 5, 1938. Republished Jan. 11.

Insecticides, fungicides, and flocculators. The Sherwin-Williams Company. 350,551, Sept. 28, 1937. Republished Jan. 11.

Insecticides, fungicides, and germicides. The Sherwin-Williams Company. 263,944, Nov. 12, 1929. Republished Jan. 11.

Laxative. Friendly Laboratories. 386,062, Mar. 25, 1941. Republished Jan. 11.

Liniment, Medicinal. Plough, Inc. 433,160, Sept. 30, 1947. Republished Jan. 11.

Liver powder. La Compagnie Pharmaceutique Desbergers. 298,678, Nov. 1, 1932. Republished Jan. 11.

Lotion, Skin. S. Greenberg. 430,484, June 10, 1947. Canceled Dec. 6, 1948. O. G. Jan. 11.

Make-up and lipstick. Gibbs & Company. 418,336, Dec. 18, 1945. Republished Jan. 11.

Medicinal powder. La Compagnie Pharmaceutique Desbergers. 331,957, Jan. 28, 1936. Republished Jan. 11.

Medicines, Poultry and bird. Dr. Salsbury's Laboratories. 325,993, July 9, 1935. Amended. O. G. Jan. 11.

Mixture of chemicals. Dixie Chemical Company. 502,127, Sept. 14, 1948. Corrected. O. G. Jan. 1.

Ointments, Skin, healing salves, antiseptic liniment, etc. W. L. Bechtold. 315,871, Aug. 14, 1934. Republished Jan. 11.

Perfume. Harzeld's Inc. 298,223, Oct. 18, 1932. Republished Jan. 11.

Perfumeries and toilet water, face powder, etc. Goldenberg's. 237,185, Jan. 3, 1928. Republished Jan. 11.

Pest inhibiting compositions. The Sherwin-Williams Company. 424,217, Sept. 24, 1948. Republished Jan. 11.

Poison for extermination of rats, Liquid. F. L. Wiley. 505,632, Jan. 11; Serial No. 512,552.

Powder, Insect. The Frank Tea & Spice Company. 141,553, Apr. 26, 1921. Republished Jan. 11.

Preparation for the treatment of inflamed, spongy, and receded gums. W. L. Bechtold. 322,364, Mar. 5, 1935. Republished Jan. 11.

Preparation to prevent rust and corrosion and to remove scale formation in steam boilers. The Bird-Archer Company. 331,670, Jan. 14, 1936. Republished Jan. 11.

Preparation used to condition water. The Bird-Archer Co. 395,315, May 19, 1942. Republished Jan. 11.

Salve. G. Satterfield. 505,658, Jan. 11; Serial No. 542,357.

Soporific medicine. La Compagnie Pharmaceutique Desbergers. 297,077, Aug. 30, 1932. Republished Jan. 11.

Starch, Gloss laundry. Scoville, Brown & Company. 316,710, Sept. 4, 1934. Republished Jan. 11.

Steepwater used for mold growth in the production of antibiotics, Refined. A. E. Staley Manufacturing Company. 505,651–6, Jan. 11; Serial Nos. 536,720–5.

Suppositories, Prophylactic. A. E. Mallard. 356,325, Apr. 26, 1938. Republished Jan. 11.

Tablets. A. E. Mallard. 291,952, Feb. 23, 1932. Republished Jan. 11.

Tablets and capsules. A. E. Mallard. 244,136, July 10, 1928. Republished Jan. 11.

Tablets and capsules. A. E. Mallard. 314,509, July 3, 1934. Republished Jan. 11.

CLASS 7

Ribbon composed of cellulose composition material. Freydberg Brothers, Incorporated. 282,631, Apr. 28, 1931. Republished Jan. 11.

Rope. American Manufacturing Company. 505,663, Jan. 11; Serial No. 552,381.

Tape for package tying, Cotton. General Printed String Company. 505,646, Jan. 11; Serial No. 529,980.

Twine. Blake, Moffitt and Towne. 193,741, Jan. 6, 1925.

Twine, Florists'. Riverside & Dan River Cotton Mills, Inc. 426,166, Dec. 17, 1946. Republished Jan. 11.

Wire rope or cable. Walter Kidde & Company, Inc. 417,762, Nov. 13, 1945. Republished Jan. 11.

CLASS 8

Cigarette paper. Michalitschke Bros. & Co. 505,648, Jan. 11; Serial No. 530,543.

Cigarette paper booklets. Champagne Paper Corporation. 505,574, Jan. 11; Serial No. 532,560, published Oct. 5, 1948.

CLASS 9

Matches. Scoville, Brown & Company. 365,715, May 14, 1939. Republished Jan. 11.

CLASS 10

Fertilizer. Kentucky Fertilizer Works. 505,626, Jan. 11; Serial No. 500,308.

Limestone, and fertilizers, Pulverized agricultural. Annville Stone Company. 435,273, Dec. 16, 1947. Republished Jan. 11.

CLASS 11

Carbon paper and typewriter ribbons. De-Fi Manufacturing Company. 138,234, Dec. 21, 1920. Republished Jan. 11.

Carbon-paper and typewriter ribbons. De-Fi Manufacturing Company. 138,802, Jan. 11, 1921. Republished Jan. 11.

Carbon-paper and typewriter ribbons. De-Fi Manufacturing Company. 138,960, Jan. 18, 1921. Republished Jan. 11.

CLASS 12

Brick, Fire, tile, and articles made of fire-clay. Harbison & Walker. 24,272–3, Feb. 20, 1894. Republished Jan. 11.

Building materials. Porcelain Products Company. 353,109, Dec. 28, 1937. Republished Jan. 11.

Building paper. Blake, Moffitt & Towne. 190,973, Oct. 28, 1924. Republished Jan. 11.

Building-paper and composite roofing. The Paraffine Paint Company. 79,002, July 26, 1910. Republished Jan. 11.

Cement, Powdered. Ash Grove Lime & Portland Cement Company. 397,501, Sept. 8, 1942. Republished Jan. 11.

Lime, Hydrated. Marblehead Lime Company. 180,902, Mar. 11, 1924. Republished Jan. 11.

Mouldings of aluminum, Store front and window, aluminum alloys. The Alumiline Corp. 434,724, Dec. 2, 1947. Republished Jan. 11.

Prepared mixture of which the main ingredients are sand, gravel, and cement. The Cleveland Builders Supply and Brick Company. 153,137, Mar. 14, 1922. Republished Jan. 11.

Roofing asphalt, Straight petroleum. Shallow Water Refining Company. 386,213, Apr. 1, 1941. Republished Jan. 11.

Roofings and building-papers, Waterproof. The Paraffine Companies, Inc. 132,772, June 29, 1920. Republished Jan. 11.

Shingles, Copper. The New Haven Copper Co. 336,646, July 14, 1936. Republished Jan. 11.

Steel bars, Concrete reinforcement. Connors Steel Company. 386,207, Apr. 1, 1941. Republished Jan. 11.

Tiles, Plastic, and plastic slabs. American Brake Shoe Company. 411,946, Feb. 13, 1945. Republished Jan. 11.

CLASS 13

Ball cocks, flush valves, tank fittings. Scoville Manufacturing Company. 234,663, Nov. 1, 1927. Republished Jan. 11.

Brackets for supporting cylinders of fire extinguishing medium. Walter Kidde & Company, Inc. 423,227, Aug. 27, 1946. Republished Jan. 11.

Lavatory handles, High tensile brass and bronze, bathroom soap dishes, etc. Titan Metal Manufacturing Company. 304,975–6, July 25, 1933. Republished Jan. 11.

Nipples, Soldering. Mueller Co. 229,813, July 5, 1927. Republished Jan. 11.

Pipe fittings, Metal. E. M. Dart Mfg. Co. 145,068, July 26, 1921. Republished Jan. 11.

Pipe flanges, Forged and rolled steel. Standard Steel Works Company. 165,484, Mar. 13, 1923. Republished Jan. 11.

Spikes, Railroad. The West Virginia Rail Company. 255,260, renewed Apr. 16, 1949. O. G. Jan. 11.

Sprays, Massage shower bath. Knickerbocker Mfg. Co. 140,618, Mar. 22, 1921. Republished Jan. 11.

Tank balls. American Rubber Products Corporation. 203,750, Sept. 22, 1925. Republished Jan. 11.

Valves and cocks. Mueller Co. 231,322, Aug. 16, 1927. Republished Jan. 11.

Valves and faucets. Mueller Co. 231,257, Aug. 16, 1927. Republished Jan. 11.

CLASS 14

Alloy-metal steels, Non-corrosive, non-magnetic. Cyclops Steel Company, Inc. 249,429, renewed Nov. 13, 1948. O. G. Jan. 11.

Alloy steels, Non-rusting, non-staining. Cyclops Steel Company, Inc. 249,571, renewed Nov. 20, 1948. O. G. Jan. 11.

Bronzes, round, square, and hexagonal bronze bars, etc. Titan Metal Company. 120,800, Mar. 5, 1918. Republished Jan. 11.

Castings. Bendix Aviation Corporation. 413,926, May 22, 1945. Republished Jan. 11.

Die steels, Chromium-tungsten. Cyclops Steel Company, Inc. 249,427–8, renewed Nov. 13, 1948. O. G. Jan. 11.

Forgings, Brass, brass castings, and welding rods. Titan Metal Manufacturing Company. 408,610, Aug. 22, 1944. Republished Jan. 11.

Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 339,747, Oct. 20, 1936. Republished Jan. 11.

Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 363,676, Feb. 24, 1942. Republished Jan. 11. Class 39.

CLASS 20

Fiber material in the nature of oiled cloth for covering fixtures. Clopay Corporation. 356,788, May 10, 1938.

Hollow ware. W. & S. Blackinton Co., Inc. 505,657, Jan. 11; Serial No. 540,242.

Jewelry. Helsberg's Diamond Shops, Inc. 505,645, Jan. 11; Serial No. 529,642.

Die steels, Chromium-tungsten. Cyclops Steel Company, Inc. 249,427–8, renewed Nov. 13, 1948. O. G. Jan. 11.
Forgings, Brass, brass castings, and welding rods. Titan Metal Manufacturing Company. 408,610, Aug. 22, 1944. Republished Jan. 11.
Iron castings. Louis Sacks, Inc. 246,715, renewed Sept. 11, 1948. O. G. Jan. 11.
Metals comprising babbitt metal and manganese-bronze. The Wm. Cramp & Sons Ship & Engine Building Co. 64,766, Aug. 20, 1907. Republished Jan. 11.
Rods, Brass and bronze, shapes, and forgings and automatic screw machine parts. Titan Metal Manufacturing Company. 288,569, Nov. 3, 1931. Republished Jan. 11.
Rods, Brass, naval brass, munts's metal, etc. Titan Metal Company. 120,801, Mar. 5, 1918. Republished Jan. 11.
Stampings, castings, and forgings, Unfinished or partially finished metal. Ace Manufacturing Corporation. 433,727, Oct. 28, 1947. Republished Jan. 11.
Steel, aluminum, and copper sheets, steel bars, brass rods, etc. Hancock Steel Co., Inc. 505,641, Jan. 11; Serial No. 523,586.
Steel for tools, and iron and steel in the form of pigs, ingots, billets, etc. Hall & Pickles Limited. 133,691, Aug. 3, 1920. Republished Jan. 11.
Wire, Galvanized. Continental Steel Corporation. 411,284, Jan. 9, 1945. Republished Jan. 11.

CLASS 15

Gasoline and lubricating oils. Black Eagle Oil Company. 299,061, Nov. 22, 1932. Republished Jan. 11.
Grease for ball and roller bearings. Norma-Hoffmann Bearings Corporation. 386,295, Apr. 1, 1941. Republished Jan. 11.
Lubricant concentrate. The Elco Lubricant Corporation. 416,305, Sept. 4, 1945. Republished Jan. 11.
Lubricant concentrate. The Elco Lubricant Corporation. 430,561–3, June 17, 1947. Republished Jan. 11.
Oils and greases, Lubricating. The Elco Grease and Oil Company. 413,784, May 15, 1945. Republished Jan. 11.
Oils and greases, Lubricating. The Elco Lubricant Corporation. 413,792, May 15, 1945. Republished Jan. 11.
Oils, Lubricating. The Elco Grease and Oil Company. 407,622, June 13, 1944. Republished Jan. 11.

CLASS 16

Coating materials. Franklin Research Company. 340,296, Nov. 3, 1936. Republished Jan. 11.
Filler, primer, sealer, and surfacer. The Lowe Brothers Company. 210,539, Mar. 16, 1926. Republished Jan. 11.
Floor dressing. N. S. Hillyard. 175,130, Oct. 30, 1923. Republished Jan. 11.
Floor dressing, Liquid. Hillyard Chemical Company. 410,525, Nov. 28, 1944. Republished Jan. 11.
Floor polish, Liquid. Hillyard Chemical Company. 299,270, Nov. 29, 1932. Republished Jan. 11.
Floor polish, Liquid. Hillyard Chemical Company. 416,944, Oct. 9, 1945. Republished Jan. 11.
Floor wax, Liquid. Hillyard Chemical Company. 295,831–2, July 12, 1932. Republished Jan. 11.
Floor wax, Liquid. Hillyard Chemical Company. 299,325, Nov. 29, 1932. Republished Jan. 11.
Lacquer, Brushing. The Smith-Alsop Paint and Varnish Company. 210,704, Mar. 23, 1926. Republished Jan. 11.
Lacquers and enamels, Nitrocellulose. The Sherwin-Williams Company. 203,242, Sept. 15, 1925. Republished Jan. 11.
Paint and paint compounds. The Paraffine Paint Co. 65,279, Sept. 17, 1907. Republished Jan. 11.
Paint and paint compounds. The Paraffine Paint Company. 80,941, Feb. 14, 1911. Republished Jan. 11.
Paint enamels. North American Paint & Chemical Co., Ltd. 293,190, Apr. 12, 1932. Republished Jan. 11.
Paint, paint enamels, primers, paint oil, etc. The Sherwin-Williams Company. 168,111, May 15, 1923. Republished Jan. 11.
Paint, Semi-paste. The Lowe Brothers Company. 194,107, Jan. 13, 1925. Republished Jan. 11.
Paints and paint enamels. The Lowe Brothers Company. 432,091, Aug. 19, 1947. Republished Jan. 11.
Paints and paint enamels. The Sherwin-Williams Company. 413,297, Apr. 17, 1945. Republished Jan. 11.
Paints, Black ready-mixed. The Dayton Color Works Company. 154,915, May 16, 1922. Republished Jan. 11.
Paints, enamels, japans, etc. The Sherwin-Williams Company. 196,878, Mar. 31, 1926. Republished Jan. 11.
Paints, finishes, and enamels. The Sherwin-Williams Company. 150,107, Dec. 27, 1921. Republished Jan. 11.
Paints, finishes, varnishes, etc. The Sherwin-Williams Company. 206,908, Dec. 15, 1925. Republished Jan. 11.
Paints, Liquid and paste. The Lowe Brothers Company. 56,989, Oct. 30, 1906. Republished Jan. 11.
Paints, Liquid and paste, colors in oil, dry colors, and varnishes. The Lowe Bros. Co. 58,562, Dec. 18, 1906. Republished Jan. 11.
Paints, paint enamels, japans, etc. The Sherwin-Williams Company. 170,537, July 17, 1923. Republished Jan. 11.
Paints, paint enamels, japans, etc. The Sherwin-Williams Company. 200,589, June 7, 1925. Republished Jan. 11.
Paints, paint enamels, japans, etc. The Sherwin-Williams Company. 246,774, Sept. 11, 1928. Republished Jan. 11.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 339,747, Oct. 20, 1936. Republished Jan. 11.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 371,289, Sept. 19, 1939. Republished Jan. 11.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 372,791, Nov. 14, 1939. Republished Jan. 11.
Paints, paint enamels, varnishes, etc. The Sherwin-Williams Company. 164,607, Feb. 20, 1923. Republished Jan. 11.
Paints, paint enamels, varnishes, etc. The Sherwin-Williams Company. 169,474, June 19, 1923. Republished Jan. 11.
Paints, paint fillers, kalsomine, etc. The Sherwin-Williams Company. 332,410, Feb. 11, 1936. Republished Jan. 11.
Paints, paint fillers, undercoaters, etc. The Sherwin-Williams Company. 377,638, May 7, 1940. Republished Jan. 11.
Paints, paint finishes, paint enamel finishes, etc. The Lowe Brothers Company. 282,606, Apr. 28, 1931. Republished Jan. 11.
Paints, Ready-mixed. The Lowe Brothers Company. 140,426, Mar. 15, 1921. Republished Jan. 11.
Paints, Ready-mixed liquid. The Lowe Brothers Company. 338,298, Sept. 1, 1936. Republished Jan. 11.
Paints, Ready-mixed, paint enamels, and stains. Geo. D. Wetherill & Co., Inc. 237,645, Jan. 10, 1928. Republished Jan. 11.
Paints, varnishes, and paint compounds, Liquid. The Paraffine Companies, Inc. 131,815, May 25, 1920. Republished Jan. 11.
Paints, varnishes, enamels, etc. The Lowe Brothers Company. 276,106, Oct. 7, 1930. Republished Jan. 11.
Paints, varnishes, enamels, or lacquers. The Sherwin-Williams Company. 265,302, Dec. 24, 1929. Republished Jan. 11.
Paints, varnishes, lacquers, etc. The Sherwin-Williams Company. 275,775, Sept. 30, 1930. Republished Jan. 11.
Paints, varnishes, paint enamels, etc. The Sherwin-Williams Company. 295,811, July 12, 1932. Republished Jan. 11.
Paints, varnishes, varnish enamels, etc. The Sherwin-Williams Company. 284,170, June 16, 1931. Republished Jan. 11.
Polish, Furniture. E. S. Carmack. 402,838, Aug. 17, 1943. Republished Jan. 11.
Varnish. Franklin Research Company. 344,334, Mar. 16, 1937. Republished Jan. 11.
Varnish. The Lowe Brothers Company. 125,234, Apr. 22, 1919. Republished Jan. 11.
Varnish and paint. The Sherwin-William Company. 101,599, Dec. 29, 1914. Republished Jan. 11.
Varnishes, enamels, lacquers, stains, etc. The Lowe Brothers Company. 344,061, Mar. 9, 1937. Republished Jan. 11.
Varnishes, Synthetic. American Alkyd Industries. 505,596, Jan. 11; Serial No. 587,768, published Sept. 14, 1948.
Water colors, Artists'. Delta Brush Manufacturing Corporation. 434,655, Dec. 2, 1947. Republished Jan. 11.
Wax, Floor. Scoville, Brown & Company. 382,292, Oct. 22, 1940. Republished Jan. 11.
Wax furniture and automobile polish. Speed Brite Chemical Co. 505,630, Jan. 11; Serial No. 509,612.
Wax, Polishing. The Wilbur White Chemical Company, Inc. 303,046, May 9, 1933. Republished Jan. 11.
Waxing and polishing compositions. The Wilbur White Chemical Company. 295,027, June 14, 1932. Republished Jan. 11.

CLASS 17

Cigarettes. The Axton-Fisher Tobacco Co. 306,803, Sept. 26, 1933. Canceled Dec. 6, 1948. O. G. Jan. 11.
Cigars. Consolidated Cigar Corporation. 419,936, Mar. 12, 1946. Republished Jan. 11.
Cigars. Jose Escalante & Co. 198,179, May 5, 1925. Republished Jan. 11.
Cigars. Jose Escalante & Co. 357,537, June 7, 1938. Republished Jan. 11.

CLASS 19

Buses, Automotive. Transit Buses, Inc. 505,661, Jan. 11; Serial No. 546,628.
Gears for railway rolling stock, Draft. Waugh Equipment Company. 441,828, Jan. 11; Serial No. 508,634.
Motorcycles. Indian Motocycle Company. 351,941, Nov. 16, 1937. Republished Jan. 11.
Tires, Steel, steel tired wheels, and solid rolled steel wheels. Standard Steel Works Company. 162,901, Dec. 26, 1922. Republished Jan. 11.
Trailers, Refrigerated. Dorsey Trailers. 505,631, Jan. 11; Serial No. 511,865.
Vehicle wheels and truck caster wheels. The American Brake Shoe and Foundry Company. 399,877, Feb. 2, 1943. Republished Jan. 11.
Vehicle wheels and truck caster wheels. American Brake Shoe Company. 409,057, Sept. 12, 1944. Republished Jan. 11.

CLASS 20

Fiber material in the nature of oiled cloth for covering fixtures. Clopay Corporation. 356,788, May 10, 1938. Republished Jan. 11.
Floor covering. The Paraffine Companies, Inc. 234,863, Nov. 8, 1927. Republished Jan. 11.
Tile and floor coverings. The Pharis Tire and Rubber Company. 505,564, Jan. 11; Serial No. 523,612, published Sept. 21, 1948.

CLASS 21

Door chimes, door signals, and inter-office chime and buzzer signalling apparatus, etc., Home electric. Nutone, Incorporated. 505,582, Jan. 11; Serial No. 534,915, published July 13, 1948.
Electric gyroscopic apparatus and electric control systems. Pioneer Instrument Company. 197,167, Apr. 14, 1925. Republished Jan. 11.
Electric resistors, High wattage. Sprague Products Company. 434,649, Dec. 2, 1947. Republished Jan. 11.
Electrolytic capacitors. Sprague Products Company. 434,718, Dec. 2, 1947. Republished Jan. 11.
Sound recording and reproducing apparatus and parts thereof, Magnetic. Amplifier Corp. of America. 505,579, Jan. 11; Serial No. 533,519, published Sept. 7, 1948.
Sound recording and reproducing apparatus and parts thereof, Magnetic. Amplifier Corp. of America. 505,580, Jan. 11; Serial No. 533,520, published Sept. 21, 1948.
Suction cleaners, Electrically operated. The Scott & Fetzer Company. 226,783, Apr. 19, 1927. Republished Jan. 11.
Vacuum cleaners, Electric. The Scott and Fetzer Company. 251,392, Jan. 8, 1929. Republished Jan. 11.

CLASS 22

Dolls, Paper. Metal Textile Corporation. 377,915, May 21, 1940. Republished Jan. 11.
Fishing rods. James Heddon's Sons. 505,649, Jan. 11; Serial No. 534,136.
Springboards, Wooden diving. Timber Structures, Inc. 505,650, Jan. 11; Serial No. 535,774.

CLASS 23

Fraternity badges, coat of arms, shields, etc. Sigma Nu Fraternity. 244,879, July 31, 1928. Republished Jan. 11.
Harvesters, thrashers and separators, Combined. The Gleaner Manufacturing Co. 222,924, Jan. 11, 1927. Republished Jan. 11.
Joints and parts thereof, Universal. The Universal Products Co. Inc. 208,800, Feb. 9, 1926. Republished Jan. 11.
Knives, forks, and spoons, Table. Ovington Bros. Company. 157,168, July 25, 1922. Republished Jan. 11.
Motors, Internal combustion bicycle. Whizzer Motor Company. 428,871, Apr. 8, 1947. Republished Jan. 11.
Plow and cultivator parts. Columbus Iron Works Company. 377,094, Apr. 16, 1940. Republished Jan. 11.
Scrapers, Cultivator. Columbus Iron Works. 322,123, Feb. 26, 1935. Republished Jan. 11.
Spray gun apparatus and equipment, General purpose. The Sherwin-Williams Company. 426,804, Jan. 14, 1947. Republished Jan. 11.
Sweepers, Suction carpet. The Scott & Fetzer Company. 283,804, June 9, 1931. Republished Jan. 11.

CLASS 24

Appliances, Electrical. Angelis Sales and Service. 505,561, Jan. 11; Serial No. 518,867, published Sept. 28, 1948.
Pads, Ironing board, ironing board covers, ironing board pad and cover sets. Plymouth Wholesale Dry Goods Corporation. 505,628, Jan. 11; Serial No. 509,454.
Reshaping and refreshing machines, Garment. Pantex Manufacturing Corporation. 505,624, Jan. 11; Serial No. 491,280.
Washboards. F. Martin, Sr. 244,859, renewed July 31, 1948. O. G. Jan. 11.

CLASS 25

Lock equipped cabinets. Walter Kidde & Company, Inc. 422,427, July 23, 1946. Republished Jan. 11.
Seals, Base metal. E. J. Brooks Company. 505,592, Jan. 11; Serial No. 537,134, published Sept. 28, 1948.

CLASS 26

Electric gyroscopic apparatus and electric control systems. Pioneer Instrument Company. 197,167, Apr. 14, 1925. Republished Jan. 11.
Gauge blocks, Precision. The Lincoln Park Tool and Gage Company. 407,066, May 16, 1944. Republished Jan. 11.

CLASS 27

Watches. Sussman & Medney. 421,163, May 21, 1946. Republished Jan. 11.

CLASS 28

Fraternity badges, coat of arms, shields, etc. Sigma Nu Fraternity. 244,879, July 31, 1928. Republished Jan. 11.

Hollow ware. W. & S. Blackinton Co., Inc. 505,657, Jan. 11; Serial No. 540,242.
Jewelry, Heisberg's Diamond Shops, Inc. 505,645, Jan. 11; Serial No. 529,642.

CLASS 29

Dust cloths, dusters, dust mops, etc. Rubon Woodfinishing & Products Co. 206,454, Dec. 1, 1925. Republished Jan. 11.
Mops. Acme Manufacturing Co. 418,506, Jan. 1, 1946. Republished Jan. 11.

CLASS 31

Filters. Goslin-Birmingham Manufacturing Company, Inc. 273,566, Aug. 5, 1930. Republished Jan. 11.
Filters and strainers, Porosity. Walter Kidde & Company, Inc. 424,601, Oct. 15, 1946. Republished Jan. 11.

CLASS 32

Bed springs and mattresses. Re-Ly-On Products Company. 505,598, Jan. 11; Serial No. 538,315, published Sept. 28, 1948.
Bins, Steel. Star Manufacturing Company of Texas. 505,571, Jan. 11; Serial No. 531,956, published Sept. 28, 1948.
Cabinets for smoke detecting equipment. Walter Kidde & Company, Inc. 422,757, Aug. 13, 1946. Republished Jan. 11.
Chests, in bookcases, tables, Wooden drawer and foot locker, etc. Atlantic Union College. 441,822, Jan. 11; Serial No. 521,314, published Sept. 28, 1948.
Davenports, Upholstered, upholstered chairs, occasional and reclining chairs, etc. The Kenmar Manufacturing Company. 505,560, Jan. 11; Serial No. 518,533, published Sept. 21, 1948.
Furniture, Hospital and doctors' office. A. S. Aloe Company. 505,565, Jan. 11; Serial No. 528,176, published Sept. 21, 1948.
Mattresses. The Vincent-McCall Company. 505,563, Jan. 11; Serial No. 520,841, published Sept. 28, 1948.
Mattresses and bar stool cushions. United States Rubber Company. 505,559, Jan. 11; Serial No. 516,744, published Sept. 21, 1948.
Medicine cabinets. County Metal Manufacturing Corporation. 505,643, Jan. 11; Serial No. 528,194.
Mirrors. Chesler Glass Co. 415,368, Aug. 7, 1945. Republished Jan. 11.
Mirrors, Hand. W. Wolf. 441,815, Jan. 11; Serial No. 492,167, published Sept. 28, 1948.
Shades, Window. Clopay Corporation. 325,464. June 25, 1935. Republished Jan. 11.
Shades, Window. Clopay Corporation. 331,259–60, Dec. 31, 1935. Republished Jan. 11.
Shades, Window. Clopay Corporation. 335,952, June 16, 1936. Republished Jan. 11.
Shades, Window. Clopay Corporation. 347,746, July 6, 1937. Republished Jan. 11.
Slip covers for upholstered furniture. P. J. Gould Company. 505,647, Jan. 11; Serial No. 530,192.
Stands, Sewing, telephone stands, smoke stands, etc. M. Martin. 441,819, Jan. 11; Serial No. 518,843, published Sept. 21, 1948.
Tables and chairs, davenports, beds, dressers, Living room, dining room, kitchen and bridge, etc. Hampton Modern, Inc. 505,625, Jan. 11; Serial No. 497,178.
Tables, chairs, buffets, Dining room, etc. Mellin-Quincy Manufacturing Co., Inc. 441,829, Jan. 11; Serial No. 518,612.

CLASS 34

Burners, Oil. Super Oil Heet Co. 340,222, Nov. 3, 1936. Republished Jan. 11.
Furnaces. Security Manufacturing Company. 380,206, Aug. 13, 1940. Republished Jan. 11.
Heaters, Oil Burning. Cleveland Steel Products Corporation. 434,618, Nov. 25, 1947. Republished Jan. 11.
Lamps, Gasoline burning, lanterns, heaters, etc. The Coleman Lamp and Stove Company. 295,262, June 28, 1932. Republished Jan. 11.
Mantles, Incandescent. The Coleman Lamp and Stove Company. 284,894, July 7, 1931. Republished Jan. 11.
Stoves. The Coleman Lamp Company. 217,533, Aug. 31, 1926. Republished Jan. 11.
Torches, tallow pots, or oil pots. Eagle Manufacturing Co. 197,915, Apr. 28, 1925. Republished Jan. 11.

CLASS 35

Belting, Duck. Imperial Belting Company. 133,144, July 13, 1920. Republished Jan. 11.
Belting, Duck. Imperial Belting Company. 138,031, Dec. 14, 1920. Republished Jan. 11.
Belting, Duck. Imperial Belting Company. 139,823, Feb. 22, 1921. Republished Jan. 11.
Fan belts, rubber and fabric patches, and blow-out patches. P. L. Knick. 194,200, Jan. 20, 1925. Republished Jan. 11.
Frictional elements for brakes and clutches. American Brake Shoe and Foundry Company. 384,700, Jan. 28, 1941. Republished Jan. 11.

Frictional elements for brakes and clutches. American Brake Shoe Company. 426,175, Dec. 17, 1946. Republished Jan. 11.
Hose, Flexible metal. Walter Kidde & Company, Inc. 422,426, July 23, 1946. Republished Jan. 11.
Pencils, Lead. Joseph Dixon Crucible Company. 505,593–4, Jan. 11; Serial Nos. 537,434–5, published Sept. 28, 1948.
Pencils, Lead. Joseph Dixon Crucible Company. 505,595–6, Jan. 11; Serial Nos. 537,436–7, published Sept. 28, 1948.

Hosiery. Gae Specialty Shops, Inc. 382,023, Oct. 15, 1940. Republished Jan. 11.
Hosiery. Marshall Field & Company. 138,483, Dec. 28, 1920. Republished Jan. 11.
Topcoats and overcoats for men, youths, and boys. L. Greif & Bro., Inc. 216,509, Aug. 10, 1926. Republished Jan. 11.
Top coats, overcoats, coats, etc. L. Greif & Bro., Inc.

Frictional elements for brakes and clutches. American Brake Shoe Company. 426,175, Dec. 17, 1946. Republished Jan. 11.
Hose, Flexible metal. Walter Kidde & Company, Inc. 417,763, Nov. 13, 1945. Republished Jan. 11.

CLASS 37

Adding-machine rolls, binders, clip boards, etc. Rockwell-Barnes Company. 158,076, Aug. 22, 1922. Republished Jan. 11.
Binders, Loose leaf. National Blank Book Company. 314,871, July 10, 1934. Republished Jan. 11.
Blank tickets to be filled in for merchandising systems. Hall Brothers, Incorporated. 423,209, Aug. 27, 1946. Republished Jan. 11.
Bristol board, cardboard, tag board, cover stock, and paper. N. Harrower. 505,578, Jan. 11; Serial No. 533,308, published Sept. 28, 1948.
Cardboard. N. Harrower. 505,577, Jan. 11; Serial No. 533,306, published Sept. 28, 1948.
Crepe paper napkins, Decorated or ornamental. Japanese Tissue Mills. 74,178, June 22, 1909. Republished Jan. 11.
Envelopes, Mailing and correspondence. The American Envelope Co. 288,924, Nov. 10, 1931. Republished Jan. 11.
Envelopes, Transparent protecting. Cooks' Inc. 409,151, Sept. 19, 1944. Republished Jan. 11.
Forms and filing cards, Business. B. E. Horner. 441,820, Jan. 11; Serial No. 519,001, published Sept. 28, 1948.
Holders, Crayon. Color-Bank Company. 441,824, Jan. 11; Serial No. 524,777, published Oct. 5, 1948.
Kits for sealing glasses and jars. Clopay Corporation. 325,515, June 25, 1935. Republished Jan. 11.
Notebook holders for stenographers. Zephyr American Corporation. 505,572, Jan. 11; Serial No. 532,082, published Oct. 5, 1948.
Opener, Envelope. W. Herter. 441,818, Jan. 11; Serial No. 518,680, published Sept. 21, 1948.
Pads, Scratch, memo pads, legal and office pads, etc. Osborn Paper Company. 505,557, Jan. 11; Serial No. 499,456, published Sept. 28, 1948.
Paper. Codorus Paper Mills, Limited. 32,859, May 16, 1899. Republished Jan. 11.
Paper and envelopes, Writing. The Gray Envelope Manufacturing Company, Inc. 505,606, Jan. 11; Serial No. 546,150, published Sept. 28, 1948.
Paper board, Jacquard. Lane Paper Co., Inc. 505,586, Jan. 11; Serial No. 536,406, published Sept. 21, 1948.
Paper, Bond. Blake, Moffitt & Towne. 181,449–50, Mar. 18, 1924. Republished Jan. 11.
Paper, Bond. The McBee Company. 441,814, Jan. 11; Serial No. 474,754, published Oct. 5, 1948.
Paper, Box-board and wrapping. Schmidt & Ault Paper Co. 181,141, Mar. 11, 1924. Republished Jan. 11.
Paper clips, thumb tacks, fresen wire staples, etc. William Prym, Inc. 505,607, Jan. 11; Serial No. 546,873, published Sept. 28, 1948.
Paper lining for corrugated paper. Schmidt & Ault Paper Co. 269,126, Mar. 25, 1930. Republished Jan. 11.
Paper, Mimeograph. Blake, Moffitt & Towne. 292,461, Mar. 15, 1932. Republished Jan. 11.
Paper, Printing. S. D. Warren Company. 163,731, Jan. 23, 1923. Republished Jan. 11.
Paper, Sheet. Swigart Paper Company. 505,584, Jan. 11; Serial No. 536,011, published Sept. 28, 1948.
Paper stock. Paper Corporation of America. 505,590–1, Jan. 11; Serial Nos. 536,633–4, published Sept. 26, 1948.
Paper tissues, All purpose absorbent. International Cellucotton Products Company. 505,573, Jan. 11; Serial No. 532,230, published Oct. 5, 1948.
Paper, Toilet, and paper napkins. Scoville, Brown & Company. 315,681, Aug. 7, 1934. Republished Jan. 11.
Paper towels and paper napkins. Japanese Tissue Mills. 85,354, Feb. 13, 1912. Republished Jan. 11.
Paper, Tracing. Dietrich-Post Company. 379,373, July 9, 1940. Republished Jan. 11.
Paper, Typewriter. Horder's, Incorporated. 505,587, Jan. 11; Serial No. 536,522, published Sept. 21, 1948.
Paper, Typewriter. Horder's Incorporated. 505,588, Jan. 11; Serial No. 536,526, published Sept. 21, 1948.
Paper, Writing, and envelopes and memorandum blanks, etc. Sigma Nu Fraternity. 241,565–8, May 1, 1928. Republished Jan. 11.
Papers, Bond, ledger, mimeograph and duplicator. The Munising Paper Company. 505,583, Jan. 11; Serial No. 533,067, published Sept. 21, 1948.
Papers, Bond, mimeograph, and ledger. The Munising Paper Company. 505,575, Jan. 11; Serial No. 532,963, published Oct. 5, 1948.
Papers, Typewriter, and index cards. Horder's, Incorporated. 505,589, Jan. 11; Serial No. 536,527, published Sept. 21, 1948.
Papers, Writing, bond, ledger, manifold, and mimeograph, and school and business tablets. The Reynolds Manufacturing Company. 505,569, Jan. 11; Serial No. 530,958, published Sept. 28, 1948.
Pencil-tracing cloth. Charles Bruning Company, Inc. 275,127, Sept. 16, 1930. Republished Jan. 11.
Pencils, Chuck. Winslow Product Engineering Corporation. 441,821, Jan. 11; Serial No. 521,045, published Oct. 5, 1948.
Pencils, Lead. Joseph Dixon Crucible Company. 505,593–4, Jan. 11; Serial Nos. 537,434–5, published Sept. 28, 1948.
Pencils, Lead. Joseph Dixon Crucible Company. 505,595, Jan. 11; Serial No. 537,437, published Sept. 28, 1948.
Pens, Fountain, and mechanical pencils. Eversharp, Inc. 505,581, Jan. 11; Serial No. 533,558, published Sept. 28, 1948.
Pens, Fountain, mechanical pencils and desk sets. The Eclipse Fountain Pen and Pencil Company, Limited. 441,817, Jan. 11; Serial No. 514,084, published Oct. 5, 1948.
Print paper, Brown. Dietrich-Post Company. 377,332, Apr. 30, 1940. Republished Jan. 11.
Stamps, Dater. Fulton Specialty Co. 505,576, Jan. 11; Serial No. 533,292, published Sept. 28, 1948.
Tablets and papeteries, Paper. Western Tablet & Stationery Corporation. 441,825, Jan. 11; Serial No. 526,122, published Jan. 13, 1948.
Tissue, Labelled roll toilet. Peavey Paper Mills (Inc). 505,568, Jan. 11; Serial No. 530,761, published Sept. 21, 1948.
Tissue paper. Dunn Sulphite Paper Co. 278,378, Dec. 16, 1930. Republished Jan. 11.
Tissue, Toilet. The Great American Tea Company. 505,566, Jan. 11; Serial No. 528,466, published Feb. 3, 1948.
Toilet-paper. Japanese Tissue Mills. 85,660, Mar. 5, 1912. Republished Jan. 11.
Towels, Paper, paper napkins, toilet tissue and facial tissue. National Paper Corporation of Pennsylvania. 505,562, Jan. 11; Serial No. 519,973, published Sept. 7, 1948.
Tracing cloth. Arkwright Finishing Company. 364,223, Jan. 24, 1939. Republished Jan. 11.
Tracing cloth. Charles Bruning Company, Inc. 293,676, May 3, 1932. Republished Jan. 11.
Tracing cloth and pencil cloth. Arkwright Finishing Company. 396,191, June 30, 1942. Republished Jan. 11.

CLASS 38

Cards, Greeting. Hall Brothers, Incorporated. 380,596, Aug. 27, 1940. Republished Jan. 11.
Cards, Greeting. Hall Brothers, Incorporated. 413,187, Apr. 10, 1945. Republished Jan. 11.
Charts, Speech formula. E. G. Hadley. 419,313, Feb. 12, 1946. Republished Jan. 11.
Directory, Color chart. The Lowe Brothers Company. 389,869, Aug. 26, 1941. Republished Jan. 11.
House organs. Central Surety and Insurance Corporation. 286,902, Sept. 8, 1931. Republished Jan. 11.
Magazines. Southwest Airways, Incorporated. 409,609, Oct. 10, 1944. Republished Jan. 11.
Paper printed to order, Transparent adhesive backed. Monsen-Chicago. 420,221, Apr. 2, 1946. Republished Jan. 11.
Particular edition of the new testament. A. J. Holman Company. 163,718, Jan. 23, 1923. Republished Jan. 11.
Photographs. Walgreen Co. 192,502, Dec. 9, 1924. Republished Jan. 11.
Publication, Periodical. Sigma Nu Fraternity. 234,528, Nov. 1, 1927. Republished Jan. 11.
Publication, Printed. E. J. Ryan. 246,849, renewed Sept. 18, 1948. O. G. Jan. 11.

CLASS 39

Blouses, dresses, play suits and slacks, Women's and misses'. Mel Hahn & Gilbert, Inc. 505,644, Jan. 11; Serial No. 528,473.
Blouses, Ladies'. G. A. L. Blouse Co., Inc. 505,634, Jan. 11; Serial No. 518,653.
Blouses, shirts, and sports shirts for boys and girls. The Kaynee Company. 438,068, Mar. 11, 1947. Republished Jan. 11.
Boots and shoes. Felder Shoe Mfg. Co. 129,355, Feb. 17, 1920. Republished Jan. 11.
Clothing, Men's. The Joseph and Feiss Co. 355,600, Mar. 22, 1938. Republished Jan. 11.
Coats and suits for teen-age girls. The Ellis Coat Co. Inc. 505,638, Jan. 11; Serial No. 521,122.
Coats and suits, Ladies'. D. Levitch. 422,351, July 16, 1946. Republished Jan. 11.
Coats, capes, cloaks, etc., Men's and women's. P. M. Cohen. 98,637, July 28, 1914. Republished Jan. 11.
Coats, capes, cloaks, etc., Men's and women's. Cohen & Wilks, Limited. 392,484, Dec. 30, 1941. Republished Jan. 11.
Coats, Women's and girls'. Stern-Slegman Prins Company. 393,676, Feb. 24, 1942. Republished Jan. 11.
Dresses, Children's. Einhorn Brothers. 255,024, Apr. 9, 1929. Republished Jan. 11.
Dresses, coats, raincoats, etc., Women's, misses', and children's. Harzfeld's, Inc. 324,269, May 14, 1935. Republished Jan. 11.
Dresses, Women's, misses' and children's. Harzfeld's, Inc. 254,969, Apr. 2, 1929. Republished Jan. 11.
Girdles, corsets, corset brassières, etc. Graceform Corset Co., Inc. 352,000, Nov. 16, 1937. Republished Jan. 11.
Gloves, Fabric. Van Raalte Company, Inc. 356,096, Apr. 12, 1938. Republished Jan. 11.
Hose, Women's. B. Carson. 365,560, Mar. 14, 1939. Republished Jan. 11.

Hosiery. Gae Specialty Shops, Inc. 382,023, Oct. 15, 1940. Republished Jan. 11.
Hosiery. Marshall Field & Company. 138,483, Dec. 28, 1920. Republished Jan. 11.
Hosiery. Van Raalte Company, Inc. 291,775, Feb. 23, 1932. Republished Jan. 11.
Hosiery. Van Raalte Company, Inc. 292,996, Apr. 5, 1932. Republished Jan. 11.
Hosiery. Van Raalte Company, Inc. 315,688, Aug. 7, 1934. Republished Jan. 11.
Hosiery. Van Raalte Company, Inc. 351,191, Oct. 19, 1937. Republished Jan. 11.
Hosiery and underwear, Women's. Van Raalte Company, Inc. 321,337, Jan. 29, 1935. Republished Jan. 11.
Hosiery and underwear, Women's, misses' and children's. Van Raalte Company, Inc. 316,541, Aug. 28, 1934. Republished Jan. 11.
Hosiery, Ladies'. Harzfeld's, Inc. 297,609, Sept. 20, 1932. Republished Jan. 11.
Jackets, Outer, ski suits and ski pants. Gerstman Manufacturing Co., Inc. 351,826, Nov. 9, 1937. Republished Jan. 11.
Neckties. Botany Worsted Mills. 357,410, June 7, 1938. Republished Jan. 11.
Overalls, jumpers, shirts, etc. The Burnham-Munger Mfg. Co. 71,279, re-renewed Nov. 17, 1948. O. G. Jan. 11.
Overcoats and top coats, Men's and young men's. Progressive Clothing Manufacturing Company. 379,910, July 30, 1940. Republished Jan. 11.
Pants, Work, jackets, dungarees, etc. Rombro Brothers Inc. 429,857, May 20, 1947. Republished Jan. 11.
Raincoats and overcoats for men and women. Cohen & Wilks, Limited. 329,178, Oct. 22, 1935. Republished Jan. 11.
Shirts, Dress, and outer, undershirts, collars, etc. Enro Shirt Company. 162,068, Dec. 5, 1922. Republished Jan. 11.
Shirts, Dress, negligee and work. The Enro Shirt Company. 184,394, May 20, 1924. Republished Jan. 11.
Shirts, Men's and boys' dress, negligee and work. William Atkin Co., Inc. 294,100, May 17, 1932. Republished Jan. 11.
Shirts, Men's and boys' dress, negligee and work. William Atkin Co., Inc. 310,348, Feb. 20, 1934. Republished Jan. 11.
Shirts, Men's and boys' sport, negligee shirts, slacks, etc. William Atkin Co., Inc. 385,933, Mar. 25, 1941. Republished Jan. 11.
Shirts, Men's dress and negligee, pajamas, and sport shirts. The Enro Shirt Company. 374,459, Jan. 9, 1940. Republished Jan. 11.
Shirts, Men's dress, negligee and sport, pajamas and underwear. The Enro Shirt Company. 357,165, May 24, 1938. Republished Jan. 11.
Shirts, Men's dress, negligee and work. Marlboro Shirt Company, Inc. 210,352, Mar. 16, 1926. Republished Jan. 11.
Shirts, Men's negligee and dress, pajamas and collars. The Enro Shirt Company. 363,657, Jan. 3, 1939. Republished Jan. 11.
Shirts, Men's negligee, dress and sport, and pajamas. The Enro Shirt Company. 367,846, May 30, 1939. Republished Jan. 11.
Shirts, Men's outer, pajamas and sport shirts. The Enro Shirt Company. 410,080, Nov. 7, 1944. Republished Jan. 11.
Shirts, night-shirts, etc., Men's and boys' negligee and dress. Atkin & Hartman Inc. 90,407, Feb. 25, 1913. Republished Jan. 11.
Shirts, pajamas and underwear, Men's dress and negligee shirts, sport. The Enro Shirt Company. 361,626, Oct. 25, 1938. Republished Jan. 11.
Shirts, Sport. The Enro Shirt Company. 214,199, June 15, 1926. Republished Jan. 11.
Shirts, Sport, and pajamas. The Enro Shirt Company. 390,555, Sept. 30, 1941. Republished Jan. 11.
Shirts, Sport, outer shirts and pajamas. The Enro Shirt Company. 381,295, Sept. 17, 1940. Republished Jan. 11.
Shoes. Cedar Grove Shoe Mfg. Co. 237,151, re-renewed Jan. 3, 1948. O. G. Jan. 11.
Shoes, Children's. Harzfeld's, Inc. 307,822, Nov. 7, 1933. Republished Jan. 11.
Shoes, slippers, and boots, etc. Murray M. Rosenberg, Inc. 346,944, June 15, 1937. Republished Jan. 11.
Shoes, Women's leather, fabric, and combination leather-fabric. Harzfeld's, Inc. 293,984, May 10, 1932. Republished Jan. 11.
Slips, Women's. Fruit of the Loom, Inc. 404,249, Nov. 16, 1943. Republished Jan. 11.
Suits and overcoats, Men's and boys'. Henry Sonneborn Company, Inc. 226,200, Apr. 5, 1927. Republished Jan. 11.
Suits, blouses, and pants, etc., Boys'. The Juvenile Mfg. Co. 230,969, Aug. 9, 1927. Republished Jan. 11.
Suits, coats, sweaters, etc., Women's and misses'. Harzfeld's, Inc. 370,963, Sept. 12, 1939. Republished Jan. 11.
Suits, shorts, sweaters, etc., Women's, misses', and girls'. Harzfeld's, Inc. 414,411, June 12, 1945. Republished Jan. 11.
Topcoats and overcoats. Joseph & Feiss Company. 381,982, Oct. 15, 1940. Republished Jan. 11.
Topcoats and overcoats for men, youths, and boys. L. Greif & Bro., Inc. 216,509, Aug. 10, 1926. Republished Jan. 11.
Top coats, overcoats, coats, etc. L. Greif & Bro., Inc. 313,759, June 5, 1934. Republished Jan. 11.
Topcoats, overcoats, coats, etc., for men, youths, and boys. L. Greif & Bro., Inc. 272,357, July 8, 1930. Republished Jan. 11.
Topcoats, overcoats, coats, etc., for men, youths, and boys. L. Greif & Bro., Inc. 280,486, Feb. 17, 1931. Republished Jan. 11.
Top coats, overcoats, coats, etc., for men, youths, and boys. L. Greif & Bro., Inc. 287,802, Oct. 13, 1931. Republished Jan. 11.
Underwear, hosiery, and gloves, Women's and misses'. Van Raalte Company, Inc. 324,251, May 14, 1935. Republished Jan. 11.
Underwear made of knitted fabric, Women's. Van Raalte Company, Inc. 286,845, Sept. 8, 1931. Republished Jan. 11.
Underwear of knitted fabric for women and children. Van Raalte Company, Inc. 267,609, Feb. 25, 1930. Republished Jan. 11.
Underwear of knitted fabric for women and children. Van Raalte Company, Inc. 290,050, Dec. 22, 1931. Republished Jan. 11.
Underwear, Textile, corsets, nightshirts, etc. B. B. & R. Knight Corporation. 379,072, July 2, 1940. Republished Jan. 11.
Underwear, Women's. American Manufacturing Corporation, Inc. 505,659, Jan. 11; Serial No. 543,034.
Underwear, Women's, misses', and children's. Van Raalte Company, Inc. 343,308, Feb. 16, 1937. Republished Jan. 11.
Underwear, Women's, misses', and children's. Van Raalte Company, Inc. 351,637–8, Nov. 2, 1937. Republished Jan. 11.

CLASS 40

Bias tape. B. B. & R. Knight Corporation. 379,071, July 2, 1940. Republished Jan. 11.
Bindings, braids, galloons, etc. James Nelson Limited. 410,049, Nov. 7, 1944. Republished Jan. 11.
Pads, Shoulder. E. H. Hull. 505,660, Jan. 11; Serial No. 543,185.
Tapes. William E. Wright & Sons Company. 503,305, Oct. 19, 1948. Corrected. O. G. Jan. 11.

CLASS 41

Umbrella and parasol frames. S. W. Evans & Son. 162,503, Dec. 19, 1922. Republished Jan. 11.
Umbrellas. C. Gilbert. 505,636, Jan. 11; Serial No. 520,944.

CLASS 42

Blankets, Textile. Davison-Paxon Company. 235,311, Nov. 15, 1927. Republished Jan. 11.
Chambrays, Cotton, cotton shirtings, cotton broadcloth, etc. Riverside & Dan River Cotton Mills, Inc. 331,650, Jan. 14, 1936. Republished Jan. 11.
Cloths and stuffs of wool, worsted or hair. Cohen & Wilks, Limited. 393,857, Mar. 10, 1942. Republished Jan. 11.
Corduroys in the piece. A. D. Juilliard & Co., Inc. 293,789, May 3, 1932. Republished Jan. 11.
Corduroys in the piece. A. D. Juilliard & Co., Inc. 345,949, May 11, 1937. Republished Jan. 11.
Corduroys in the piece, Printed. A. D. Juilliard & Co., Inc. 270,695, May 13, 1930. Republished Jan. 11.
Corduroys, Plain and fancy. New York Mills Corporation. 216,606, Aug. 17, 1926. Republished Jan. 11.
Curtains, Shower. William W. Loeb Company. 505,627, Jan. 11; Serial No. 505,508.
Dress fabrics, All-worsted. The Atlantic Mills. 207,411, Dec. 29, 1925. Republished Jan. 11.
Drill fabric, Processed cotton. Acme Backing Corporation. 441,816, Jan. 11; Serial No. 499,306, published Sept. 21, 1948.
Fabrics, Cotton and rayon dress. The Springs Cotton Mills. 505,616, Jan. 11; Serial No. 550,629, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,599, Jan. 11; Serial No. 543,103, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,600, Jan. 11; Serial No. 543,106, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,601, Jan. 11; Serial No. 543,109, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,602, Jan. 11; Serial No. 543,111, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,603, Jan. 11; Serial No. 543,115, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,604, Jan. 11; Serial No. 543,120, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,605, Jan. 11; Serial No. 543,143, published Sept. 21, 1948.
Fabrics in the piece. Crompton Company. 505,608, Jan. 11; Serial No. 550,127, published Sept. 21, 1948.
Fabrics in the piece, Upholstery, drapery, and decorative. Louisville Textiles, Incorporated. 505,585, Jan. 11; Serial No. 536,107, published Sept. 21, 1948.
Fabrics in the piece, Woolen. Botany Mills, Inc. 505,614, Jan. 11; Serial No. 550,576, published Sept. 21, 1948.
Fabrics in the piece, Woolen and worsted. Detmer, Bruner & Mason, Inc. 232,861, Sept. 20, 1927. Republished Jan. 11.

Fabrics of cotton, rayon, wool, etc. Riverside & Dan River Cotton Mills, Inc. 402,819, Aug. 17, 1943. Republished Jan. 11.
Textile fabrics in the piece, Velveteen. A. D. Juilliard & Co., Inc. 284,095, June 16, 1931. Republished Jan. 11.
Textile piece goods, sheets, and pillowcases, etc., Cotton

Canned pimientos. Coastal Valley Canning Co. 434,189, Nov. 11, 1947. Republished Jan. 11.
Canned salmon. Alaska Salmon Company. 200,972, July 14, 1925. Republished Jan. 11.
Oranges. San Dimas Orange Growers Association. 112,069, Aug. 22, 1916. Republished Jan. 11.
Oranges and lemons. Mountain View Orange and Lemon Growers Association. 84,023, Oct. 31, 1911. Republished Jan. 11.

Fabrics of cotton, rayon, wool, etc. Riverside & Dan River Cotton Mills, Inc. 402,819, Aug. 17, 1943. Republished Jan. 11.
Fabrics of nylon. Blue Ridge Textile Co., Inc. 505,617, Jan. 11; Serial No. 550,779, published Sept. 21, 1948.
Fabrics, Woolen and worsted. The Atlantic Mills. 274,857, Sept. 9, 1930. Republished Jan. 11.
Gingham, Zephyr, sheeting, sheets, etc. Riverside & Dan River Cotton Mills, Inc. 366,852, May 2, 1939. Republished Jan. 11.
Napkins, table tops, tablecloths, etc. H. W. Baker Linen Co. 234,910, Nov. 8, 1927. Republished Jan. 11.
Piece fabric made of nylon. G. S. Robins & Company. 505,558, Jan. 11; Serial No. 508,858, published Sept. 21, 1948.
Piece goods. Consolidated Textile Co., Inc. Serial No. 550,311, published Sept. 21, 1948.
Piece goods. Hego Fabrics, Inc. 400,608, Mar. 23, 1943. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 368,496, June 20, 1939. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 372,253, Oct. 24, 1939. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 385,876, Mar. 18, 1941. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 398,971, Dec. 8, 1942. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 399,872, Jan. 26, 1943. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 401,877, June 15, 1943. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 419,238, Feb. 5, 1946. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 420,302–3, Apr. 2, 1946. Republished Jan. 11.
Piece goods. Riverside & Dan River Cotton Mills, Inc. 421,807, June 4, 1946. Republished Jan. 11.
Piece goods. Chas. B. Werner Co., Inc. 505,611, Jan. 11; Serial No. 550,189, published Sept. 21, 1948.
Piece goods, Cotton. New York Mills Corporation. 163,378, Jan. 9, 1923. Republished Jan. 11.
Piece goods, Cotton. R & K Dress Corporation. 505,633, Jan. 11; Serial No. 518,042.
Piece goods, Cotton. Riverside & Dan River Cotton Mills, Inc. 427,091, Jan. 28, 1947. Republished Jan. 11.
Piece goods for suitings, Cotton. Riverside & Dan River Cotton Mills, Inc. 368,107, June 6, 1939. Republished Jan. 11.
Piece goods, Linen. Robert McBratney & Company, Incorporated. 505,570, Jan. 11; Serial No. 531,345, published Sept. 21, 1948.
Piece goods made of rayon fabric. Longleaf Mills, Inc. 441,823, Jan. 11; Serial No. 524,471, published Sept. 21, 1948.
Piece goods, Woolen. The Atlantic Mills. 220,470, Nov. 9, 1926. Republished Jan. 11.
Piece goods, Woolen. Botany Worsted Mills. 200,606, July 7, 1925. Republished Jan. 11.
Piece goods, Woolen. Carlton Mills Co., Inc. 365,215, Feb. 28, 1939. Canceled Dec. 6, 1948. O. G. Jan. 11.
Piece goods, Woolen. Cohen & Wilks, Limited. 392,594, Jan. 6, 1942. Republished Jan. 11.
Piece goods, Woolen, cotton and woolen, nad cotton. Atlantic Mills. 183,594, May 6, 1924. Republished Jan. 11.
Piece goods, Woolen, cotton, and woolen and cotton. Atlantic Mills. 184,786, June 3, 1924. Republished Jan. 11.
Piece goods, Woolen, worsted, and cotton. The Woolen Corporation of America. 399,718, Jan. 26, 1943. Republished Jan. 11.
Plaids and checks in the piece, cotton sheetings, sheets, etc., Cotton. Riverside & Dan River Cotton Mills, Inc. 407,813, June 27, 1944. Republished Jan. 11.
Sailcloth in the piece. Flightex Fabrics, Inc. 505,609, Jan. 11; Serial No. 550,135, published Sept. 21, 1948.
Sheeting, sheets, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 407,814, June 27, 1944. Republished Jan. 11.
Sheets and pillow cases. Mutual Buying Syndicate, Inc. 505,613, Jan. 11; Serial No. 550,539, published Sept. 21, 1948.
Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc 422,637, Aug. 6, 1946. Republished Jan. 11.
Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,517, Mar. 25, 1947. Republished Jan. 11.
Sheets, sheetings, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 422,634–5, Aug. 6, 1946. Republished Jan. 11.
Shirting fabrics, Oxford. Riverside & Dan River Cotton Mills, Inc. 430,327, June 10, 1947. Republished Jan. 11.
Shroud cloths made of cotton. The Cincinnati Cotton Products Company. 505,597, Jan. 11; Serial No. 537,874, published Sept. 21, 1948.
Textile fabrics. Janshaw Fabrics Incorporated. 505,610, Jan. 11; Serial No. 550,150, published Sept. 21, 1948.
Textile fabrics, Cotton. The Springs Cotton Mills. 505,615, Jan. 11; Serial No. 550,628, published Sept. 21, 1948.
Textile fabrics in the piece of cotton, wool, and the like. American-London Shrinkers Corp. 373,819, Dec. 26, 1939. Republished Jan. 11.
Textile fabrics in the piece, Velveteen. A. D. Juilliard & Co., Inc. 284,095, June 16, 1931. Republished Jan. 11.
Textile piece goods, sheets, and pillowcases, etc., Cotton and rayon. B. B. & R. Knight Corporation. 379,073, July 2, 1940. Republished Jan. 11.
Towels, Turkish. H. W. Baker Linen Co. 191,130, Nov. 4, 1924. Republished Jan. 11.

CLASS 43

Yarn. R. Wolfenden & Sons. 418,360, Dec. 18, 1945. Republished Jan. 11.

CLASS 44

Hair drying machines for use in beauty parlors. Ullman Products Corp. 441,826, Jan. 11; Serial No. 492,750.
Hot-water bags or bottles and fountain-syringes. United Drug Company. 71,700, re-renewed Dec. 8, 1948. O. G. Jan. 11.
Manicure sets, nail files, nail buffers, etc. C. J. Bates & Son. 224,643, Mar. 1, 1927. Republished Jan. 11.
Napkins, Sanitary. Walgreen Co. 322,438, Mar. 5, 1935. Republished Jan. 11.
Surgical dressing. American Medical Glass Company. 423,640, Sept. 3, 1946. Republished Jan. 11.

CLASS 45

Beverage, Nonalcoholic maltless. Mission Dry Corporation. 381,897, Oct. 15, 1940. Republished Jan. 11.
Beverages. Scoville, Brown & Company. 317,712, Oct. 2, 1934. Republished Jan. 11.
Beverages, Non-alcoholic. The Cleveland Fruit Juice Company. 109,858, Mar. 18, 1916. Republished Jan. 11.
Beverages, Non-alcoholic maltless, soda fountain syrups and bottlers' flavors and concentrates. The Julep Company. 373,070, Nov. 21, 1939. Republished Jan. 11.

CLASS 46

Apples, Fresh. The Triton Co. 239,096, Feb. 21, 1928. Republished Jan. 11.
Bakery products. Helms Bakeries. 343,707, Mar. 2, 1937. Republished Jan. 11.
Bakery products. Helms Bakeries. 346,730, June 8, 1937. Republished Jan. 11.
Biscuits. Southern Biscuit Company, Incorporated. 337,156, July 28, 1936. Republished Jan. 11.
Biscuits. Southern Biscuit Company, Incorporated. 341,695, Dec. 22, 1936. Republished Jan. 11.
Biscuits. Southern Biscuit Company, Incorporated. 344,886, Apr. 6, 1937. Republished Jan. 11.
Biscuits. Southern Biscuit Company, Incorporated. 359,795, Aug. 30, 1938. Republished Jan. 11.
Cakes. John Hamm Baking Company. 103,384, Mar. 30, 1915. Republished Jan. 11.
Cakes and crackers. Southern Biscuit Works. 220,142, Nov. 2, 1926. Republished Jan. 11.
Cakes and crackers. Southern Biscuit Company. 331,342, Jan. 7, 1936. Republished Jan. 11.
Candies and ice cream. Pangburn Company, Inc. 157,170, July 25, 1922. Republished Jan. 11.
Candy. King Candy Co. 142,656, May 17, 1921. Republished Jan. 11.
Candy. King Candy Co. 146,788, Sept. 20, 1921. Republished Jan. 11.
Candy. King Candy Co. 183,968, May 13, 1924. Republish Jan. 11.
Candy. King Candy Co. 193,759, Jan. 6, 1925. Republished Jan. 11.
Candy. Schutter-Johnson Candy Co. 201,022, July 14, 1925. Republished Jan. 11.
Candy. Schutter-Johnson Candy Co. 204,790, Oct. 27, 1925. Republished Jan. 11.
Canned and frozen dog food. R. F. Hunsicker. 431,917, Aug. 12, 1947. Republished Jan. 11.
Canned and packaged foods for infants, children, and invalids. Gerber Products Company. 405,310, Jan. 18, 1944. Republished Jan. 11.
Canned dog and cat food. Victory Packing Company. 303,903, June 13, 1933. Republished Jan. 11.
Canned food products. Sebastiani Canning Co. 406,201, Mar. 14, 1944. Republished Jan. 11.
Canned fruits and vegetables. Fremont Canning Company. 369,865, Aug. 8, 1939. Republished Jan. 11.
Canned fruits and vegetables, and coffee. Scoville, Brown & Company. 263,872, Nov. 12, 1929. Republished Jan. 11.
Canned fruits, canned vegetables. Bercut-Richards Packing Company. 339,146, Sept. 29, 1936. Republished Jan. 11.
Canned fruits, canned vegetables. Bercut-Richards Packing Company. 341,062, Dec. 1, 1936. Republished Jan. 11.
Canned or bottled tomato juice, tomato juice cocktail, tomato catsup, etc. Vincennes Packing Corporation. 301,657, Mar. 7, 1933. Republished Jan. 11.
Canned or bottled tomato juice, tomatoes, tomato juice cocktail, etc. Vincennes Packing Corporation. 312,789, May 8, 1934. Republished Jan. 11.
Canned peas and corn. Keene-Belvidere Canning Company. 197,952, Apr. 28, 1925. Republished Jan. 11.
Canned peas and corn. Keene-Belvidere Canning Company. 199,619, June 16, 1925. Republished Jan. 11.

Canned pimientos. Coastal Valley Canning Co. 434,189, Nov. 11, 1947. Republished Jan. 11.
Canned salmon. Alaska Salmon Company. 200,972, July 14, 1925. Republished Jan. 11.
Canned salmon. Alaska Salmon Company. 207,978, Jan. 12, 1926. Republished Jan. 11.
Canned salmon, clams, clam juice, etc. Franklin MacVeagh and Company. 335,015, May 19, 1936. Republished Jan. 11.
Canned sardines. Otto L. Kuehn Co. 100,843, Oct. 27, 1914. Republished Jan. 11.
Canned sardines. Otto L. Kuehn Co. 100,847, Oct. 27, 1914. Republished Jan. 11.
Canned vegetables. Big Stone Canning Company. 82,751, July 25, 1911. Republished Jan. 11.
Canned vegetables. Hanover Canning Company. 206,598, Dec. 8, 1925. Republished Jan. 11.
Canned vegetables. Hanover Canning Company. 360,767, Sept. 27, 1938. Republished Jan. 11.
Canned vegetables. The Krier Preserving Company. 390,284, Sept. 16, 1941. Republished Jan. 11.
Canned vegetables. The Krier Preserving Company. 431,248, July 15, 1948. Republished Jan. 11.
Canned vegetables. Sebastiani Canning Co. 391,852, Nov. 25, 1941. Republished Jan. 11.
Canned vegetables, tea, and coffee. Scoville, Brown & Company. 232,876, Sept. 20, 1927. Republished Jan. 11.
Coffee. Scoville, Brown & Company. 210,172, Mar. 9, 1926. Republished Jan. 11.
Coffee, Prepared. G. Washington Coffee Refining Co. 178,722, Jan. 15, 1924. Corrected. O. G. Jan. 11.
Concentrate in the form of a liquid. E. J. Staley. 384,505, Jan. 21, 1941. Canceled Dec. 10, 1948. O. G. Jan. 11.
Corn meal, corn starch, flours, etc. Scoville, Brown & Company. 316,574, Aug. 28, 1934. Republished Jan. 11.
Dates, Fresh. Garden of the Setting Sun, Inc. 505,567, Jan. 11; Serial No. 529,761, published June 15, 1948.
Extract, Imitation strawberry, bottled cherries, bottled black sweet cherries, etc. The Cleveland Fruit Juice Company. 382,745, Nov. 12, 1940. Republished Jan. 11.
Fish, Fresh and frozen. Whiz Fish Products Company, Inc. 320,175, Dec. 18, 1934. Republished Jan. 11.
Flour, Wheat. Collin County Mill & Elevator Co. 242,469, May 22, 1928. Republished Jan. 11.
Flour, Wheat. Gallatin Valley Milling Company. 226,417, Apr. 5, 1927. Republished Jan. 11.
Flour, Wheat. Rodney Milling Company. 199,345, June 9, 1925. Republished Jan. 11.
Food preparation. Meletio Sea Food Company, Inc. 389,794, Aug. 19, 1941. Republished Jan. 11.
Food products for dogs. Victor Packing Company. 328,291, Sept. 24, 1935. Republished Jan. 11.
Foods, Cooked. Donahoe's Incorporated. 314,362, June 26, 1934. Republished Jan. 11.
Fruit, Fresh citrus. Corona Foothill Lemon Company. 361,077, Oct. 4, 1938. Republished Jan. 11.
Fruit, Fresh citrus. Tapo Citrus Association. 384,851, Feb. 4, 1941. Republished Jan. 11.
Fruits, Dried. Roeding Fig & Olive Co. 247,260, renewed Sept. 25, 1948. O. G. Jan. 11.
Fruits, Fresh citrus. Anaheim Citrus Fruit Association. 259,110, July 23, 1929. Republished Jan. 11.
Fruits, Fresh citrus. Donna Citrus Association. 387,501, May 20, 1941. Republished Jan. 11.
Fruits, Fresh citrus. Escondido Co-Operative Citrus Association. 259,065, July 23, 1929. Republished Jan. 11.
Fruits, Fresh citrus. Mountain View Fruit Association. 248,294, Oct. 16, 1928. Republished Jan. 11.
Fruits, Fresh citrus. Mutual Citrus Products Company. 367,961, Aug. 8, 1939. Republished Jan. 11.
Fruits, Fresh citrus. Orangethrope Citrus Association. 189,220, Sept. 16, 1924. Republished Jan. 11.
Fruits, Fresh citrus. Orangethrope Citrus Association. 189,846, Sept. 30, 1924. Republished Jan. 11.
Fruits, Fresh citrus. Orangethrops Citrus Association. 405,943, Feb. 29, 1944. Republished Jan. 11.
Fruits, Fresh citrus. Placentia Orange Growers Association. 430,574, June 17, 1947. Republished Jan. 11.
Fruits, Fresh deciduous. Colfax Fruit Growers Association. 174,624, Oct. 23, 1923. Republished Jan. 11.
Lemons, Fresh. Corona Foothill Lemon Company. 167,704, May 8, 1923. Republished Jan. 11.
Lemons, Fresh. Corona Foothill Lemon Company. 167,709, May 8, 1923. Republished Jan. 11.
Mixture of tomato juice and sauerkraut juice. Empire State Pickling Co. 356,280, Apr. 19, 1938. Republished Jan. 11.
Mustard, Prepared. Glaser, Crandell Company. 323,182, Apr. 2, 1935. Republished Jan. 11.
Olive oil. Capsalis Brothers. 231,268, Aug. 16, 1927. Republished Jan. 11.
Olive oil, canned tomatoes, canned peas, etc. Marotta & Cella. 253,080, Feb. 19, 1929. Republished Jan. 11.
Olives, salad dressing, rice, etc. Scoville, Brown & Company. 241,059, Apr. 17, 1928. Republished Jan. 11.
Oranges. San Dimas Orange Growers Association. 112,069, Aug. 22, 1916. Republished Jan. 11.
Oranges and lemons. Mountain View Orange and Lemon Growers Association. 84,023, Oct. 31, 1911. Republished Jan. 11.
Pop corn, Raw. American Pop Corn Company. 375,389, Feb. 20, 1940. Republished Jan. 11.
Pop corn, Raw. American Pop Corn Company. 393,810, Mar. 3, 1942. Republished Jan. 11.
Preserved fruit mixture. The Cleveland Fruit Juice Company. 190,741, Oct. 21, 1924. Republished Jan. 11.
Preserved fruits, flavorings and combinations of nuts, etc. The Cleveland Fruit Juice Company. 225,896, Mar. 29, 1927. Republished Jan. 11.
Salt. Worcester Salt Co. 151,647, Feb. 7, 1922. Republished Jan. 11.
Salt. Worcester Salt Company. 286,252–3, Aug. 25, 1931. Republished Jan. 11.
Salt. Worcester Salt Co. 289,934, Dec. 15, 1931. Republished Jan. 11.
Salt. Worcester Salt Co. 307,929, Nov. 14, 1933. Republished Jan. 11.
Salt. Worcester Salt Company. 362,396, Nov. 15, 1938. Republished Jan. 11.
Salt, Rock and evaporated. Jefferson Island Salt Company. 375,170, Feb. 13, 1940. Republished Jan. 11.
Salt, Table. Worcester Salt Company. 65,644, Oct. 15, 1907. Republished Jan. 11.
Sirup, Table. Atlantic Syrup Refining Co. 183,716, May 6, 1924. Republished Jan. 11.
Spinach, onions, romaine, etc., Fresh. C. & M. Produce Company. 243,515, renewed June 26, 1948. O. G. Jan. 11.
Syrup. Sperry-Young-Kevan, Inc. 387,180, May 6, 1941. Republished Jan. 11.
Tea, coffee, marshmallows, etc. Haskell Adams Company. 241,844, May 8, 1928. Republished Jan. 11.
Tomato catsup, canned tomato concentrate, canned pork and beans, etc. Edward V. Stockham Inc. 265,374, Dec. 24, 1929. Republished Jan. 11.
Vegetables, Fresh. F. E. Mojonnier. 252,322, renewed Feb. 5, 1949. O. G. Jan. 11.
Vegetables, Fresh. G. B. Musante. 352,736, Dec. 14, 1937. Republished Jan. 11.
Vegetables, Fresh. H. D. Roddenberry. 371,287, Sept. 19, 1939. Republished Jan. 11.
Vegetables, Fresh. F. A. Smith. 412,859, Mar. 27, 1945. Republished Jan. 11.
Vegetables, Fresh, fresh deciduous fruits, and fresh citrus fruits. Alexander Marketing Company. 226,096, Mar. 29, 1927. Republished Jan. 11.

CLASS 47

Wines. Bohemian Distributing Co. Ltd. 317,601, Oct. 2, 1934. Republished Jan. 11.
Wines. Christopher & Co. Limited. 322,518, Mar. 12, 1935. Republished Jan. 11.
Wines. Dexheimer and Becker Co. 316,152, Aug. 14, 1934. Republished Jan. 11.
Wines. Lombardy Wine Corporation. 329,060, Oct. 15, 1935. Corrected. O. G. Jan. 11.

CLASS 48

Malt extract. Theo. Hamm Brewing Co. 67,369, Jan. 28, 1908. Republished Jan. 11.

CLASS 49

Brandy. Padre Vineyard Company. 418,481, Dec. 25, 1945. Republished Jan. 11.
Gin. James Burrough Limited. 308,053, Nov. 21, 1933. Republished Jan. 11.
Gin. Dexheimer & Becker Company. 355,278, Mar. 8, 1938. Republished Jan. 11.
Rum, whisky, gin, etc. The Distillers Agency Limited. 302,727–8, Apr. 25, 1933. Republished Jan. 11.
Whiskeys, cocktails, cordials, etc. Bohemian Distributing Co. Ltd. 312,855, May 8, 1934. Republished Jan. 11.
Whisky. The Distillers Company, Limited. 22,771, Apr. 11, 1893. Republished Jan. 11.
Whisky, brandy, gin, etc. E. Kahn & Co., Inc. 318,360, Oct. 23, 1934. Republished Jan. 11.
Whisky, kummel, crème de menthe, etc. Christopher & Co. Limited. 322,959, Mar. 26, 1935. Republished Jan. 11.
Whisky, Scotch. The Distillers Agency Limited. 302,146, Mar. 28, 1933. Republished Jan. 11.
Whisky, Scotch. The Distillers Agency Limited. 329,446, Oct. 29, 1935. Republished Jan. 11.
Whisky, Scotch. The Distillers Agency Limited. 369,637, Aug. 1, 1939. Republished Jan. 11.
Whisky, Scotch. The Distillers Agency Limited. 407,434, June 6, 1944. Republished Jan. 11.

CLASS 50

Carpet lining, Indented paper. Schmidt & Ault Paper Co. 181,795, Mar. 25, 1924. Republished Jan. 11.
Fiber, Vulcanized. American Vulcanized Fibre Co. 111,159, July 4, 1916. Republished Jan. 11.

Fiber, Vulcanized. American Vulcanized Fibre Company. 121,745, May 28, 1918. Republished Jan. 11.
Service of railroad transportation. Norfolk and Western Railway Company. 505,619, Jan. 11; Serial No. 531,701, published Oct. 6, 1948.

Fiber, Vulcanized. American Vulcanized Fibre Company. 121,745, May 28, 1918. Republished Jan. 11.
Highway markers. Rich Signs Corporation. 355,080, Mar. 8, 1938. Republished Jan. 11.

CLASS 55

Cloth weaving service for repairing holes, burns, or defects in textile materials. A. Freitas. 505,620, Jan. 11; Serial No. 533,873, published Oct. 12, 1948.
Engineering. The J. G. White Engineering Corporation. 505,623, Jan. 11; Serial No. 547,080, published Oct. 5, 1948.
Service of railroad transportation. Norfolk and Western Railway Company. 505,619, Jan. 11; Serial No. 531,701, published Oct. 5, 1948.
Service, repair, and maintenance of electric motors. Broadway Maintenance Corp. 505,622, Jan. 11; Serial No. 537,979, published Oct. 5, 1948.
Services rendered in the small loan, instalment loan and instalment credit business. Beneficial Industrial Loan Corporation. 505,618, Jan. 11; Serial No. 527,275, published Oct. 5, 1948.
Travel services. Elfast Service Corporation. 505,621, Jan. 11; Serial No. 536,511, published Oct. 5, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Boucher, Charles P., deceased, Newark, N. J., by National Inventions Corporation, New York, N. Y., assignee. Space discharge tube and electrode therefor. Re. 23,073, Jan. 11.
Cemenstone Corporation. The, assignee: *See*—
Henderson, Albert.
General Controls Co., assignee: *See*—
Ray, William A.
Henderson, Albert, assignor, by mesne assignments, to The Cemenstone Corporation, Pittsburgh, Pa. Precast concrete corrugated connection. Re. 23,074, Jan. 11.
Joy Manufacturing Company, assignee: *See*—
Simmons, Leon E.
Lyon, George A., Allenhurst, N. J. Wheel cover. Re. 23,075, Jan. 11.
National Inventions Corporation, assignee: *See*—
Boucher, Charles P.
Permutit Company, The, assignee: *See*—
Pick, Eric.
Pick, Eric, East Rockaway, assignors to The Permutit Company, New York, N. Y. Plural valve actuation and control. Re. 23,076, Jan. 11.
Rapids-Standard Co., Inc., assignee: *See*—
Woldring, Bert and Sebastian.
Ray, William A., North Hollywood, Calif., assignor to General Controls Co. Control apparatus. Re. 23,077, Jan. 11.
Sebastian, James R.: *See*—
Woldring, Bert, and Sebastian.
Simmons, Leon E., Claremont, N. H., assignor to Joy Manufacturing Company. Mining machine. Re. 23,078, Jan. 11.
Woldring, Bert, and J. R. Sebastian, assignors to Rapids-Standard Co., Inc., Grand Rapids, Mich. Conveyer. Re. 23,079, Jan. 11.

LIST OF PLANT PATENTEES

Aller, Curtis C., Yakima County, Wash. Apple tree. 819, Jan. 11.
Kern, Carl E., Wyoming, Ohio. Magnolia plant. 820, Jan. 11.

LIST OF DESIGN PATENTEES

Accurate Parts Manufacturing Company, assignee: *See*—
Shewitz, Newson, Sloane, and Valksnoras.
Andre, Gustaf E., Chicago, Ill. Combination ash tray and coaster. 152,313, Jan. 11.
Arehart, David D.: *See*—
Hanson, Frank D., Arehart, and Dittmer.
Arlington Chair Co., assignee: *See*—
Waaranan, Walter W.
Armstrong, George R., McKeesport, Pa. Ball game board. 152,314, Jan. 11.
Associated Manufacturers Inc., assignee: *See*—
Dilger, Herman R., Kline, and Leonard.
Astatic Corporation, The, assignee: *See*—
Federico, Joseph B.
Barnhart, Herbert S., Scarsdale, N. Y., assignor to The Whitney Blake Company, Hamden, Conn. Electrical-connector body. 152,315, Jan. 11.
Bergstrom, Adolph G., Rockford, Ill. Vehicle heater. 152,316, Jan. 11.
Biro Manufacturing Company, The, assignee: *See*—
Biro, Vincent G.
Biro, Vincent G., Ottawa County, assignor to The Biro Manufacturing Company, Marblehead, Ohio. Hood for a power meat cutter. 152,317, Jan. 11.
Blumfield, Joseph, Los Angeles, Calif. Hand operated rug hooker. 152,318, Jan. 11.
Booker, Clarence W., San Diego, Calif. Smoking pipe. 152,319, Jan. 11.
Buehrig, Gordon M., South Bend, Ind., assignor to The Tasco Corporation, Hartford, Conn. Automobile. 152,320, Jan. 11.
Cavanagh, John F., Providence, R. I. Baking unit. 152,321, Jan. 11.
Chapin, Edward, Buffalo, N. Y. Vehicle trailer. 152,322, Jan. 11.
Chapman, Harold P., Columbus, Ohio. Electric heater for dental impressions or the like. 152,323, Jan. 11.
Chipman, Richmond L., Jr., Montclair, N. J. Watch box or similar article. 152,324, Jan. 11.
Cissell, William M., St. Mathews, near Louisville, Ky. Water spray gun. 152,325, Jan. 11.
Cissell, William M., St. Mathews, near Louisville, Ky. Water spray gun. 152,326, Jan. 11.
Collins, Robert J.: *See*—
Hough, Leonard G., and Collins.
Columbia Protektosite Company, Inc., assignee: *See*—
Lux, Eugene J.
Connolly, William N., assignor to S. C. Johnson & Son, Inc., Racine, Wis. Container cap. 152,327, Jan. 11.
Dawson, Gordon R.: *See*—
Oros, John, and Dawson.
De Douglass, Porter, Hayward, Calif. Shoe shining machine. 152,328, Jan. 11.
Dilger, Herman R., S. E. Kline, and T. M. Leonard, assignors to Associated Manufacturers Inc., Waterloo, Iowa. Cream separator. 152,329, Jan. 11.
Dillon, Roy A., Racine, Wis. Glass top end table. 152,330, Jan. 11.
Dittmer, Ralph T.: *See*—
Hanson, Frank D., Arehart, and Dittmer.
Eakins, Travice R., Bowling Green, Ky. Towel rack. 152,331, Jan. 11.
Even-Pul Foundations, Inc., assignee: *See*—
Lo Cascio, Jack J.
Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,332, Jan. 11.
Foulke, Louise M. J., Brooklyn, N. Y. Rocking chair. 152,333, Jan. 11.
General Engineering & Manufacturing Company, assignee: *See*—
Schreiber, John H.
Gross, A. Edward, assignee: *See*—
Wheeler, Henry F.
Hamilton Products, Inc., assignee: *See*—
Strang, Clarence G.
Hanson, Frank D., Independence, Mo., and D. D. Arehart, and R. T. Dittmer, assignors to Palace Corporation, Flint, Mich. Trailer. 152,334, Jan. 11.
Hanson, Frank D., Independence, Mo., and D. D. Arehart, and R. T. Dittmer, assignors to Palace Corporation, Flint, Mich. Trailer. 152,335, Jan. 11.
Helicopter Engineering and Construction Corporation, assignee: *See*—
Lemont, Harold E., Jr.
Hirshfield, Stella J., New York, N. Y. Lamp. 152,336, Jan. 11.
Hobé, William W., New York, N. Y. Necklace. 152,337, Jan. 11.
Hough, Leonard G., and R. J. Collins, Toronto, Ontario, Canada. Power pulverizer for compost and the like. 152,338, Jan. 11.
Johnson, S. C., & Son, Inc., assignee: *See*—
Connolly, William N.
Jones & Lamson Machine Company, The, assignee: *See*—
Rosengren, Herbert.
Kehlmann, Emanuel, New York, N. Y. Combined lamp and shade. 152,339, Jan. 11.

Kline, Stanley E.: *See*—
Dilger, Herman R., Kline, and Leonard.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel Inc., New York, N. Y. Brooch or similar

Kline, Stanley E.: *See*—
Dilger, Herman R., Kline, and Leonard.
Krohm, Fred A., Gary, Ind., assignor to Productive Inventions, Inc. Windshield wiper arm. 152,340, Jan. 11.
Kromhout, Johan C., Forest Hills, N. Y., assignor to Sylvania Electric Products, Inc. Television receiver. 152,341, Jan. 11.
Lemont, Harold E., Jr., East Providence, R. I., assignor to Helicopter Engineering and Construction Corporation. Helicopter. 152,342, Jan. 11.
Leonard, Thomas M.: *See*—
Dilger, Herman R., Kline, and Leonard.
Lewis, Samuel, New York, N. Y. Lamp or similar article. 152,343, Jan. 11.
Lindberg, Carl A., Toledo, Ohio. Electric fan or similar article. 152,344, Jan. 11.
Lo Cascio, Jack J., Bayonne, N. J., assignor to Even-Pul Foundations, Inc., New York, N. Y. Brassière. 152,345, Jan. 11.
Lux, Eugene J., New York, N. Y., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Reclining chair or similar article. 152,346, Jan. 11.
Marty, Frank A., Los Angeles, Calif. Mirror. 152,347, Jan. 11.
Mehr, Jacob A., St. Louis, Mo. Reflector head for an ultraviolet lamp. 152,348, Jan. 11.
Miller, Juanita, Oakland, Calif. Harp. 152,349, Jan. 11.
Moore, Harry W., Dayton, Ohio. Coil winding machine. 152,350, Jan. 11.
Oros, John, and G. R. Dawson, Cleveland, Ohio. Clamp. 152,351, Jan. 11.
Palace Corporation, assignee: *See*—
Hanson, Frank D., Arehart, and Dittmer.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,352, Jan. 11.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,353, Jan. 11.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,354, Jan. 11.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,355, Jan. 11.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,356, Jan. 11.
Pennino, Oreste, New York, N. Y. Combined wrist watch and holder strap therefor. 152,357, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,358, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,359, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,360, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 152,361, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,362, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,363, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,364, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,365, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 152,366, Jan. 11.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 152,367, Jan. 11.
Productive Inventions, Inc., assignee: *See*—
Krohm, Fred A.
Rosengren, Herbert, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company. Optical comparator. 152,368, Jan. 11.
Rosengren, Herbert, Woodcliff Lake, N. J., assignor to The Jones & Lamson Machine Company. Comparator. 152,387, Jan. 11.
Sampson, Merrill G., Santa Monica, Calif. Smoker's pipe. 152,369, Jan. 11.
Sanders, Charles M., Ponca City, Okla. Combined ash tray rack and cigarette holder. 152,370, Jan. 11.
Schick, Howard M., Lee's Summit, Mo. Display fixture. 152,371, Jan. 11.
Schreiber, John H., assignor to General Engineering & Manufacturing Company, St. Louis, Mo. Space cooler cabinet or the like. 152,372, Jan. 11.
Schwartz, Morris, Sunnyside, N. Y. Spectacle frame or similar article. 152,373, Jan. 11.
Score, Leslie H., Chino, assignor to H. A. Weil, Los Angeles, Calif. Wire stripper. 152,374, Jan. 11.
Seley, Sidney C., Erie, Pa. Combined cleaning and scraping device. 152,375, Jan. 11.
Sherwin, Ralph J., Toledo, Ohio. Lady's boot or the like. 152,376, Jan. 11.
Shewitz, Newson, P. L. Sloane, and A. Valkanoras, Jr., assignors to Accurate Parts Manufacturing Company, Cleveland, Ohio. Postal scale. 152,377, Jan. 11.
Skinner, Clairborne A., Webster Groves, Mo. Flag holder. 152,378, Jan. 11.
Sloane, Phyllis L.: *See*—
Shewitz, Newson, Sloane, and Valkanoras.
Stier, Joseph B., New York, N. Y. Ash tray. .152,379, Jan. 11.
Strang, Clarence G., assignor to Hamilton Products, Inc., Paterson, N. J. Camera back or similar article. 152,380, Jan. 11.
Sylvania Electric Products Inc., assignee: *See*—
Kromhout, Johan C.
Tanzer, Eugen, New York, N. Y. Scarf or similar article. 152,381, Jan. 11.
Tasco Corporation, The, assignee: *See*—
Buehrig, Gordon M.
Tawresey, Virginia B., Philadelphia, Pa. Candle holder. 152,382, Jan. 11.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Valkanoras, Anthony, Jr.: *See*—
Shewitz, Newson, Sloane, and Valkanoras.
Waaranan, Walter W., Hubbardston, assignor to Arlington Chair Co., Gardner, Mass. High chair. 152,383, Jan. 11.
Weaver, William W., Houston, Tex. Record cabinet. 152,384, Jan. 11.
Weil, H. A., assignee: *See*—
Score, Leslie H.
Wheeler, Henry F., assignor of one-half to A. E. Gross, Richmond Heights, Mo. Phonograph. 152,385, Jan. 11.
Whitney Blake Company, The, assignee: *See*—
Barnhart, Herbert S.
Zelenka, Robert, Chicago, Ill. Combined key retainer, flashlight, and lighter. 152,386, Jan. 11.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 11TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abell, Gurdon R., Jr., Poughkeepsie, N. Y. Gauge for measuring subatmospheric pressures. 2,458,759, Jan. 11.
Accuheat Electric, assignee: *See*—
Cornelius, Yngve R.
Acme Steel Company, assignee: *See*—
Singley, Fred A.
Adair, Newton J., Fresno, Calif. Musical instrument. 2,459,102, Jan. 11.
Adair, Newton J., Fresno, Calif. Musical instrument. 2,459,103, Jan. 11.
Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Angular motion transmitting apparatus. 2,458,921, Jan. 11.
Agriculture, the United States of America, as represented by the Secretary of, assignee: *See*—
Fleck, Elmer E.
Mann, Charles W.
Rehberg, Chessie E., and Fisher.
Ahlf, Robert E.: *See*—
Marencik, William J., and Ahlf.
Air Reduction Company, Incorporated, assignee: *See*—
Tyrner, Joseph M.
Aktiebolaget Fr. Ranström, assignee: *See*—
Axelsson, Johan A.
Allen, Harold D.: *See*—
Varney, Kenneth W., and Allen.
Alley, Gordon T.: *See*—
Murray, William A., and Alley.
Allied Chemical Dye Corporation, assignee: *See*—
McCann, Harold G.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Johnson, John A., and Kenney.
Lipe, Bruce R., and Schroeder.
Winograd, Harold.
Allison Company, The, assignee: *See*—
Allison, Hugh V.
Allison, Hugh V., Fairfield, assignor to The Allison Company, Bridgeport, Conn. Abrasive tube drill means. 2,459,122, Jan. 11.
American Brass Company, The, assignee: *See*—
Davis, Charles H.
American Can Company, assignee: *See*—
Renard, Roland E.
Socke, John E.
American Cyanamid Company, assignee: *See*—
Barnes, Robert B.
Cooke, Elmer W., and Moss.
Fahrenbach, Marvin J.
Hultquist, Martin E.
Miller, Wilbur H., and Roblin.
Moss, Philip H., and Cook.
Parker, Robert P., Reeves, and Conn.
American Enka Corporation, assignee: *See*—
Weeldenburg, Johannes G.
American Viscose Corporation, assignee: *See*—
Bouvet, Rene.
Clark, James A.
Amsler Morton Corporation, assignee: *See*—
Morton, William A., and Smith.
Andersen, Walther M. A., assignor to Crystal Research Laboratories, Incorporated, Hartford, Conn. Crystal controlled frequency modulation system. 2,458,760, Jan. 11.
Anderson, Harry J., and M. V. Hartman, assignors to Hills-McCanna Company, Chicago, Ill. Pump and stroke adjusting mechanism. 2,458,821, Jan. 11.
Andresen, Amanda M. C., assignee: *See*—
Andresen, Herman P.
Andresen, Edward W. H., assignee: *See*—
Andresen, Herman P.
Andresen, Ella V., assignee: *See*—
Andresen, Herman P.
Andresen, Ella V., executrix: *See*—
Andresen, Herman P.
Andresen, Herman P., deceased, Chicago, Ill.; E. V. Andresen, executrix, assignor of one-fourth to E. V. Andresen, one-fourth to A. M. C. Andresen, one-fourth to E. W. H. Andresen, and one-fourth to E. C. M. Dettmer, as tenants in common. Caster. 2,458,922, Jan. 11.
Andrews, Edward F., assignor, by mesne assignments, to N. M. Seeburg, Chicago, Ill. Automatic phonograph. 2,458,496, Jan. 11.
Anxionnaz, Rene, assignee: *See*—
Imbert, Roger J., and Sedille.
Armstrong, Ernest, Camden, N. J. Wiper device for car axle journals and the like. 2,459,058, Jan. 11.
Armstrong, Frank W., Jr.: *See*—
Carpenter, Otis R., and Armstrong.
Aro Equipment Corporation, The, assignee: *See*—
Shearman, Spicer D.
Aronson, Charles N., Niagara Falls, N. Y. Wheel suspension for vehicles. 2,458,548, Jan. 11.
Askawa Regulator Company, assignee: *See*—
Glass, Paul.
Atlas Powder Company, assignee: *See*—
Creighton, Henry J., and Hales.
Attorney General of the United States, Vested in: *See*—
Lolkema, Jan.
Aust, Robert J., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Vibrator. 2,458,822, Jan. 11.
Auten, Howard L., Glen Ellyn, Ill. Cigarette and match case. 2,458,923, Jan. 11.
Avakian, Souren, Oreland, assignor to The National Drug Company, Philadelphia, Pa. Benzoic acid derivatives. 2,458,823, Jan. 11.
Axelrad, Bernard A.: *See*—
Fitzhugh, Robert R., Frederick, and Axelrad.
Axelsson, Johan A., Eskilstuna, assignor to Aktiebolaget Fr. Ramström, Stockholm, Sweden. Chuck. 2,458,824, Jan. 11.
Ayers, David T., Jr.: *See*—
Ingres, Jeannot G., and Ayers, Jr.
B. F. D. Company, assignee: *See*—
Foote, James.
Babcock & Wilcox Company, The, assignee: *See*—
Bailey, Ervin G.
Carpenter, Otis R., and Armstrong.
Babson, Robert D., assignor to Merck & Co., Inc., Rahway, N. J. Preparing alkyl acyloxy acrylates. 2,459,059, Jan. 11.
Bachman, Benjamin B., Philadelphia, and D. J. Macklin, St. Davids, Pa. Suspension system. 2,458,549, Jan. 11.
Bailey, Ervin G., Easton, Pa., assignor to The Babcock & Wilcox Company, Rockleigh, N. J. Combustion chamber. 2,458,497, Jan. 11.
Baker, Frederick W., Oldswinford, Stourbridge, England. Vehicle road wheel. 2,458,761, Jan. 11.
Baker, Ridgway, Minneapolis, Minn. Golf club carrier. 2,458,924, Jan. 11.
Barger, Cecil K., Statesville, N. C. Corner joint for wallboards. 2,458,925, Jan. 11.
Barley, Robert: *See*—
Zulinski, Edward J., and Barley.
Barnbrook, Thomas G., Wolverhampton, England, assignor to The Timken Roller Bearing Company, Canton, Ohio. Making cages for ball bearings. 2,458,762, Jan. 11.
Barnes, Robert B., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Infrared spectrophotometry. 2,458,973, Jan. 11.
Barth, Jay E., Pitman, N. J., assignor to Radio Corporation of America. Adjustable shaft stop. 2,459,012, Jan. 11.
Basic Refractories, Inc., assignee: *See*—
Schoenlaub, Robert A.
Bassett, Merton O., Schenectady, N. Y., assignor to General Electric Company. Web scanning device. 2,458,926, Jan. 11.
Bates, Herbert T., Lincoln, Nebr., and D. J. Fergus and A. F. Craver, assignors to The Cleveland Heater Company, Cleveland, Ohio. Water heating device with corrosion protective anode. 2,459,123, Jan. 11.
Battey, Alexander J., Skaneateles, N. Y. Spark plug cleaner. 2,458,825, Jan. 11.
Bauer, William M., Glen Ridge, assignor to Curtiss-Wright Corporation, Bloomfield, N. J. Method of and apparatus for testing ignitions. 2,458,974, Jan. 11.
Baulch, Ernest L., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Trainer for enabling the giving of radio instruction. 2,458,550, Jan. 11.
Baxter Laboratories, Inc., assignee: *See*—
Nesset, Naurice M., and Nawoj.
Beck, Robert F., Paterson, assignor to Bendix Aviation Corporation, Teterboro, N. J. Electrical switch device. 2,458,927, Jan. 11.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Boyle, Homer G., Dobbs Ferry, assignor, by mesne assign-

Campbell, Robert C., Milburn, N. J., assignor to The
Columbia Broadcasting System, Inc., assignee: *See*—
Schlesinger, Kurt.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Baulch, Ernest L.
Blattner, David G.
Boghosian, William H., and Och.
Bowen, Arnold E.
Cox, Leslie R., and Huber.
De Monte, Robert W., and Haines.
D'Heedene, Albert R.
Feldman, Carl B. H.
Giroud, Henry A.
Hussey, Luther W.
Johnson, John B.
Jonas, Herbert C., Laico, and Roncl.
Mason, Warren P.
Oliver, Bernard M.
Rieke, John W.
Sears, Raymond W.
Southworth, George C.
Warren, Clifford A.
Willard, Gerald W.

Belmont Radio Corporation, assignee: *See*—
Dunn, William L.

Bendix Aviation Corporation, assignee: *See*—
Beck, Robert F.
Dickey, John W., Henry, and Riggen.
Fox, Kenneth H.
Neild, William G.

Benning, Anthony F., Woodstown, N. J., J. D. Park, Boulder, Colo., and S. E. Krahler, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of carbon tetrafluoride. 2,458,551, Jan. 11.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,498, Jan. 11.

Bergstrom, Eric V., Short Hills, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for conversion of fluid hydrocarbons. 2,458,499, Jan. 11.

Berry, Ruth P.: *See*—
Hardick, Floyd W.

Berry, Ruth P., assignee: *See*—
Kroenlein, Henry A.

Bertrand, Frederic E., Lynn, and A. S. Clark, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Ribbed strip for insoles. 2,458,500, Jan. 11.

Bieker, Lawrence W., Munster, Ind., and W. J. Lewis, Chicago, Ill., assignors to Graver Tank & Mfg. Co. Filter underdrain. 2,458,673, Jan. 11.

Bird, John R.: *See*—
Garand, John C., Cooper, Bird, and Miller.

Bird & Son, Inc., assignee: *See*—
Trepp, Samuel G.

Birmann, Rudolph, Newtown, Pa., assignor, by mesne assignments, to Turbo Engineering Corporation. Lubricating system for mechanisms operating at high altitudes. 2,458,763, Jan. 11.

Blackhawk Mfg. Co., assignee: *See*—
Killius, William.

Blanch, Charles C.: *See*—
Rogers, Robert W., and Blanch.

Blanchard, Charles E., Randolph, and A. W. Ferre, Wellesley, Mass., assignors, by mesne assignments, to Westinghouse Electric Corporation. Dusting apparatus. 2,458,674, Jan. 11.

Blattner, David G., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Making electrical contacting elements. 2,458,552, Jan. 11.

Bloomquist, Donald W., Chicago, Ill. Collet chuck. 2,458,889, Jan. 11.

Blumberg, Hamilton G., and E. M. Stevens, San Antonio, Tex. Water heating type fuel conditioner. 2,458,826, Jan. 11.

Boehm, Ray H., Racine, Wis. Game holder link. 2,458,675, Jan. 11.

Boese, Arthur H., Clinton, Okla. Toy gun. 2,458,828, Jan. 11.

Boghosian, William H., Forest Hills, and H. G. Och, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electronic computing device. 2,458,553, Jan. 11.

Bolley, Don S., Brooklyn, and E. C. Gallagher, Freeport, assignors to National Lead Company, New York, N. Y. Treating fatty oils. 2,458,554, Jan. 11.

Booe, James M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrodeposition of lead-tin-antimony alloys. 2,458,827, Jan. 11.

Booth, Earl C., assignor to Nobilitt-Sparks Industries, Inc., Columbus, Ind. Metal chair. 2,458,890, Jan. 11.

Booth, George M., Westfield, assignor to Novadel-Agene Corporation, Belleville, N. J. Manufacture of chlorine dioxide. 2,459,124, Jan. 11.

Bouvet, René, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Winding system and apparatus. 2,458,555, Jan. 11.

Bowen, Arnold E., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coupled cavity resonator and wave guide apparatus. 2,458,556, Jan. 11.

Bowen, Edward L., McComb City, Miss. Reamer clamp for railroad car axles. 2,459,013, Jan. 11.

Boyle, Homer G., Dobbs Ferry, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Cathode-ray tube focusing circuit. 2,458,891, Jan. 11.

Bradley, George G., Great Neck, N. Y., assignor to Radio Corporation of America. Radiotelephone equipment. 2,458,558, Jan. 11.

Bradley, George G., Great Neck, and H. F. Mohr, Lynbrook, N. Y., assignors to Radio Corporation of America. Dual control and lockout means for telephone stations. 2,458,557, Jan. 11.

Brady, George W., Upper Montclair, N. J., assignor to Curtiss-Wright Corporation. Rib reinforcing means for propeller blades. 2,458,975, Jan. 11.

Braitberg, Leo D.: *See*—
Friedman, Harris L., and Braitberg.

Brenner, Abner, Chevy Chase, Md., and T. S. Meltes, Princeton, N. J., assignors to the United States of America as represented by the Secretary of Commerce. Apparatus for electroplating. 2,458,676, Jan. 11.

Bridgeport Fabrics, Inc., assignee: *See*—
Spraragen, Louis.

Brinnick, Frederic E.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.

Bristol Company, The, assignee: *See*—
Cowherd, Robert D., and Stahl.
Waidelich, James R.

Britton, Rex O., Lebanon, Oreg. Window sash lock. 2,458,559, Jan. 11.

Brooks, Percy E., Woodridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Welding fixture. 2,458,928, Jan. 11.

Bruce, William A., Tulsa, Okla., assignor to Standard Oil Development Company. Apparatus for adjusting the electrical condition of electrical analyzers. 2,458,829, Jan. 11.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Visor. 2,458,677, Jan. 11.

Brunel, Henri, Paris, France. Preparing solutions of colloidal sulfur and the products thereof. 2,458,764, Jan. 11.

Bryant Chucking Grinder Company, assignee: *See*—
Bryant, William J., and Ljunggren.

Bryant, William J., Springfield, Vt., and T. H. Ljunggren, Charlestown, N. H., assignors to Bryant Chucking Grinder Company, Springfield, Vt. Planetary grinding machine. 2,458,765, Jan. 11.

Buchanan, Leslie B. M., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Two temperature refrigeration apparatus. 2,458,560, Jan. 11.

Budd Company, The, assignee: *See*—
McGary, Frank E., Hochreiter, Schlecht, and Shannon.

Buffalo Machinery Company, Incorporated, assignee: *See*—
Miller, Frank A.

Bulldog Electric Products Company, assignee: *See*—
Frank, William H.

Bunte, George F., Detroit, Mich., assignor to Eaton Manufacturing Company, Cleveland, Ohio. Unidirectional flow gear pump. 2,458,678, Jan. 11.

Burdick, William H., Chicago, Ill., assignor, by mesne assignments of one-half to V. T. Connor and one-half to T. A. Kruse. Amusement game apparatus having illuminating means simulating dropping of a bomb from an airplane upon a boat. 2,458,892, Jan. 11.

Burens Products, Inc., assignee: *See*—
Root, Lin.

Burford, George E., Oklahoma City, Okla. Foot supporting device for shoes. 2,458,501, Jan. 11.

Burgess-Norton Manufacturing Company, assignee: *See*—
Waller, Gustav M.

Burndy Engineering Company, Inc., assignee: *See*—
Rogoff, Julian.

Burnett, Llewellyn W.: *See*—
Johns, Iral B.

Burt, William C.: *See*—
Johnson, Carl O., and Burt.

Bush, Ean L., San Francisco, Calif. Rat guard. 2,459,060, Jan. 11.

Buxton, Loran O., Maplewood, N. J., assignor to Nopco Chemical Company. Preparation of vitamin-fortified meals. 2,458,679, Jan. 11.

Buxton, Loran O., assignor to Nopco Chemical Company, Maplewood, N. J. Treatment of oil-bearing vegetable meals. 2,458,680, Jan. 11.

Byrne, John F., Wellesley Hills, Mass., assignor to The United States of America as represented by the Secretary of War. Modulation indicator. 2,458,830, Jan. 11.

Cady, Willoughby M., Cambridge, Mass., assignor, by mesne assignments, to The United States of America as represented by the Secretary of War. Optical gun sight with horisontal and vertical deflection adjustments. 2,458,831, Jan. 11.

Caliendo, Thomas A., South Ozone Park, N. Y. Reamer tool for pipes and the like. 2,458,681, Jan. 11.

Calkins, Willis A.: *See*—
Torrence, George W., and Calkins.

Campbell, James T., Detroit, Mich. Plate developer. 2,458,561, Jan. 11.

Campbell, Robert C., Milburn, N. J., assignor to The Dorr Company (Inc.), New York, N. Y. Apparatus for conducting ion exchange operations. 2,458,893, Jan. 11.

Campbell, Rollin E., Anderson, Ind. Multiple power application device. 2,458,976, Jan. 11.

Campos, Adolph, Clifton, N. J. Pocket lighter. 2,458,832, Jan. 11.

Cape, Arthur T., Columbus, assignor to Coast Metals, Inc., Canton, Ohio. Structural element for high temperature service use. 2,458,502, Jan. 11.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Quarles, Richard W.

Carbodies Limited, assignee: *See*—
Orr, John H.

Cárdenas, Francisco A., assignee: *See*—
Márquez, Nemesio.

Carignan, Raymond, Bradford, Vt., assignor, by mesne assignments, to Mer-Wall Enterprises, Incorporated, Wallingford, Conn. Spring compression tubing and pipe connection. 2,458,833, Jan. 11.

Carmody, Don E., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, New York, N. Y. Hydrocarbon conversion process. 2,458,977, Jan. 11.

Carnegie-Illinois Steel Corporation, assignee: *See*—
Graham, Edwin A.
Schulz, Herman B.

Carpenter, Otis R., and F. W. Armstrong, Jr., Barberton, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Electrical control system. 2,458,503, Jan. 11.

Casco Products Corporation, assignee: *See*—
Johnson, Arthur A.

Cavanaugh, Robert M., and J. E. Lufkin, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making dimethyl terephthalate. 2,459,014, Jan. 11.

Celanese Corporation of America, assignee: *See*—
Pratt, Robert H., and Underwood.

Centrifugal & Mechanical Industries, Inc., assignee: *See*—
Howe, Andrew F.

Chace, Thomas B., Winnetka, assignor to The Dole Valve Company, Chicago, Ill. Fluid control system and mechanism. 2,458,978, Jan. 11.

Chateauneuf, Archie J., Lockport, N. Y. Container. 2,458,834, Jan. 11.

Chemlinski, Raymond, Schenectady, N. Y. Combined bottle container and support. 2,458,766, Jan. 11.

Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Reaction products of gelatin and aldonic acids and making same. 2,458,504, Jan. 11.

Cheyney, La Verne E., assignor to Wingfoot Corporation, Akron, Ohio. Film of copolymer of vinylidene chloride and vinyl chloride. 2,459,125, Jan. 11.

Churchill, Joseph L., Seattle, Wash. Milk bottle indicator. 2,458,979, Jan. 11.

Ciba Limited, assignee: *See*—
Ott, Gustav H., and Kraus.

Cincinnati Milling Machine Co., The, assignee: *See*—
Hoier, Walter, and Clifton.

Clair Manufacturing Company, Inc., assignee: *See*—
Johnson, Carl O., and Burt.

Clark, Alfred S.: *See*—
Bertrand, Frederic E., and Clark.

Clark, Carleton B., assignor to Kingsbury Machine Tool Corporation, Keene, N. H. Chip breaking mechanism for metal drilling and like machines. 2,458,929, Jan. 11.

Clark, James A., White Plains, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Producing a molding material and the article produced. 2,458,562, Jan. 11.

Clarvan Corporation, assignee: *See*—
Edelston, Frederick C.

Clement, Clyde H., assignor of one-half to C. R. Cox, Phoenix, Ariz. Automatic switch. 2,459,015, Jan. 11.

Cleveland Heater Company, The, assignee: *See*—
Bates, Herbert T., Fergus, and Craver.

Cleveland Punch & Shear Works Co., The, assignee: *See*—
Weiland, John N.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Copolymers of vinyl compounds containing olefins. 2,459,126, Jan. 11.

Clifton, Richard N.: *See*—
Hoier, Walter, and Clifton.

Coast Metals, Inc., assignee: *See*—
Cape, Arthur T.

Coffey, Irven E., Normandy, Mo. Governor. 2,459,061, Jan. 11.

Cohen, Abe, Omaha, Nebr. Vehicle antiskid mechanism and wheel jack. 2,459,016, Jan. 11.

Cole, Robert M., Oakland, assignor to Shell Development Company, San Francisco, Calif. Production of gasoline. 2,458,980, Jan. 11.

Collins, Fred V., Des Plains, assignor to W. F. Stahl, Kenilworth, Ill. Tube-forming device. 2,458,563, Jan. 11.

Collins, Samuel C., assignor, by mesne assignments, to Arthur D. Little, Inc., Cambridge, Mass. Low-temperature refrigeration system. 2,458,804, Jan. 11.

Columbia Broadcasting System, Inc., assignee: *See*—
Schlesinger, Kurt.

Combustion Processes Company, assignee: *See*—
Urquhart, Norman J.

Commerce, the United States of America as represented by the Secretary of, assignee: *See*—
Brenner, Abner, and Meltes.

Commercial Controls Corporation, assignee: *See*—
Dohl, Robert A.

Conklin, Clarence A., Northport, N. Y. Convertible knockdown garden trellis. 2,458,931, Jan. 11.

Conn, Robert C.: *See*—
Parker, Robert P., Reeves, and Conn.

Connor, Vincent T.: *See*—
Burdick, William H., Connor, and Kruse.

Cook, Elmer W.: *See*—
Moss, Philip H., and Cook.

Cook, Elmer W., New York, N. Y., and P. H. Moss, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Quaternary ammonium compounds. 2,459,062, Jan. 11.

Cook, Elmer W., New York, N. Y., and P. H. Moss, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Divalent metal salts of halogen substituted phenylol sulfides. 2,459,063, Jan. 11.

Cooper, Allyn R., Marshalltown, Iowa. Clutch control. 2,458,767, Jan. 11.

Cooper, Benjamin G., assignor to W. E. Dunn Manufacturing Company, Holland, Mich. Cement slab molding machine. 2,458,564, Jan. 11.

Cooper, Eli G.: *See*—
Garand, John C., Cooper, Bird, and Miller.

Cork, Edward C., Ealing, London, assignor to Electric & Musical Industries Limited, Hayes, England. Apparatus for measuring field intensity in high-frequency electric fields. 2,458,565, Jan. 11.

Cornelius, Yngve R., Seattle, Wash., assignor to Accuheat Electric, Portland, Oreg. Heating apparatus. 2,458,835, Jan. 11.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Cotherman, Charles B., Goshen, Ind. Eliminating offset. 2,458,981, Jan. 11.

Cottingham, Rufus F., Scunthorpe, England. Golf practicing and teaching apparatus. 2,458,932, Jan. 11.

Couper, Samuel, Baltimore, Md. Roller bearing chain. 2,458,682, Jan. 11.

Cowherd, Robert D., Atlanta, Ga., and W. H. Stahl, Jr., assignors to The Bristol Company, Waterbury, Conn. Sequence control. 2,458,683, Jan. 11.

Cox, Arthur, assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Optical objective of the telephoto type having axially separated convergent front and divergent rear members. 2,458,836, Jan. 11.

Cox, Cleo R.: *See*—
Clement, Clyde H.

Cox, Fred W., Birmingham, Ala., and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,459,127, Jan. 11.

Cox, Leslie R., Rutherford, and G. H. Huber, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion reduction in channel switching. 2,458,566, Jan. 11.

Cramer, Martha K., New York, N. Y. Combination bag and spectacle case. 2,458,567, Jan. 11.

Crandell, Ervin L., assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Radio-frequency apparatus. 2,458,684, Jan. 11.

Craver, Albert F.: *See*—
Bates, Herbert T., Fergus, and Craver.

Creighton, Henry J., Swarthmore, and R. A. Hales, Tamaqua, Pa., assignors to Atlas Powder Company, Wilmington, Del. Electrolytic process for reducing sugars. 2,458,895, Jan. 11.

Crew, La Vonne R., Compton, Calif. Revolving serving table. 2,459,017, Jan. 11.

Crimora Research and Development Corporation, assignee: *See*—
Jacobs, James H.

Crockford, Joseph R., assignor to H. Radzinsky and S. W. Dean, Jr., New York, N. Y. Making tampons. 2,458,685, Jan. 11.

Crooke, Fred F., Jefferson City, Tenn. Master safety switch. 2,458,930, Jan. 11.

Crystal Research Laboratories, Incorporated, assignee: *See*—
Andresen, Walther, M. A.

Cummings, Archibald M., Port Angeles, Wash. Dynamo-electric machine. 2,458,569, Jan. 11.

Cummings, Frank B.: *See*—
Cummings, John A. and Frank B.

Cummings, John A. and F. B., Bangor, Maine, said F. B. Cummings assignor to said J. A. Cummings. Potato seed cutter. 2,458,568, Jan. 11.

Curtis-Wright Corporation, assignee: *See*—
Bauer, William M.
Brady, George W.
Darby, Robert A.
Erny, Frank.

Daily, Edward J., Highland Park, Mich. Grinding wheel dressing device. 2,458,768, Jan. 11.

Dairy Specialties Company, Incorporated, The, assignee: *See*—
Jones, John P.

Dana Corporation, assignee: *See*—
Peterson, Carl D., and Deimel.

Dougherty, James, Silver Creek, Pa. Lunch can. 2,458,837, Jan. 11.

Farnsworth Research Corporation, assignee: *See*—
Halstead, William S.

Gard, Arthur W., Edgewood, assignor of one-fourth to W. H. Parmelee, Bethel Township, Allegheny County, and one-fourth to J. M. Guthrie, Crafton, Pa. Door-

Dana Corporation, assignee: *See*—
Peterson, Carl D., and Delmel.
Peterson, Carl D., Delmel, and Wolcott.

Darby, Robert A., Eggertsville, N. Y., assignor to Curtiss-Wright Corporation. Differential balance for airfoils. 2,458,896, Jan. 11.

Dasher, Paul J., Stow, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Resilient mounting for fluid containers. 2,458,571, Jan. 11.

Davidson, William L., and H. W. Lewis, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Mounting for fluid containers. 2,458,570, Jan. 11.

Davie, Robert P., Jr., Manhattan Beach, assignor to North American Aviation, Inc., Inglewood, Calif. Extruded shape. 2,458,686, Jan. 11.

Davis, Alfred U., Baltimore, Md. Blasting machine. 2,458,687, Jan. 11.

Davis, Charles H., Cheshire, assignor to The American Brass Company, Waterbury, Conn. Welding cupro-nickel alloys. 2,458,688, Jan. 11.

Davis, Max W., assignee: *See*—
Lima, Henry C.

Davis, Meyer, Chicago, Ill. Sweater blocker. 2,458,689, Jan. 11.

Davis, Ralph L., Wallingford, Conn. Electromechanical drive system. 2,459,064, Jan. 11.

Dawson, Francis A., assignor to Kingston Products Corporation, Kokomo, Ind. Tuning and indicating mechanism. 2,458,690, Jan. 11.

Dean, Sidney W., Jr.: *See*—
Crockford, Joseph R.

Debrie, André V. L. C., Paris, France. Apparatus for the photographic reproduction of doucuments. 2,458,769, Jan. 11.

Deere Manufacturing Co., assignee: *See*—
Hill, George B.
Linderer, Francis.

Defiance Machine Works, Inc., assignee: *See*—
Hummer, Ralph G.

Dehmel, Richard C., Summit, N. J. Aircraft training instrument for simulating attitude gyros. 2,458,982, Jan. 11.

Delmel, Albert H.: *See*—
Peterson, Carl D., and Delmel.

De Monte, Robert W., Glen Ridge, and A. B. Haines, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coating electrical devices. 2,459,018, Jan. 11.

Dench, Edward C.: *See*—
Hardy, Arthur C., and Dench.

Denig, Fred, assignor to Koppers Company, Inc., Pittsburgh, Pa. Gas purification process. 2,458,505, Jan. 11.

Dentler, Arnold E., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorbing mechanism for railway draft riggings. 2,458,572, Jan. 11.

De Swart, Jan, Los Angeles, Calif., assignor to Shellmar Products Corporation, Chicago, Ill. Article support. 2,458,897, Jan. 11.

Dettmer, Elsa C. M., assignee: *See*—
Andresen, Herman P.

Deutschmann, A. L., assignee, et al.: *See*—
Hanopol, Louis.

Deutschmann, L.: *See*—
Hanopol, Louis.

D'heedene, Albert R., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal filter. 2,459,019, Jan. 11.

Di Addario, Thomas D., Buffalo, N. Y. Combination spool and bobbin assembly. 2,458,898, Jan. 11.

Dickey, John W., M. M. Henry, and T. K. Riggen, assignors to Bendix Aviation Corporation, Elmira, N. Y. Electrically actuated pump. 2,458,770, Jan. 11.

Dillens, William J., Philadelphia, Pa. Fastener. 2,459,020, Jan. 11.

Ditto, Incorporated, assignee: *See*—
Erickson, Andrew L.

Dodson, Wayne E., Caldwell, N. J., assignor to General Electric Company. Unloader for reciprocating gas compressors. 2,458,933, Jan. 11.

Dobl, Robert A., Rochester, N. Y., assignor to Commercial Controls Corporation. Platter and platter support for postal scales. 2,459,065, Jan. 11.

Dole Valve Company, The, assignee: *See*—
Chace, Thomas B.
Kempton, Leslie A.

Domestic Industries, Inc.: *See*—
Hitselhammer, Mathew.

Dominion Tar & Chemical Company Limited, assignee: *See*—
McKay, Arthur F.

Donahue, Howard, Allais, Ky. Insulated cable and rope spooling guide. 2,458,573, Jan. 11.

Dorr Company (Inc.), The, assignee: *See*—
Campbell, Robert C.

Dorsky, Julian, G. W. Mattson, and C. M. Neher, Baton Rouge, La., assignors to Ethyl Corporation, New York, N. Y. Apparatus for chlorination processes. 2,458,691, Jan. 11.

Doubrava, Eugene N., assignor to Thompson Products, Inc., Cleveland, Ohio. Coupling. 2,458,899, Jan. 11.

Dougherty, James, Silver Creek, Pa. Lunch can. 2,458,837, Jan. 11.

Douglas, James K.: *See*—
Ferris, Walter, and Douglas.

Dow, Orville E., Rocky Point, N. Y., assignor to Radio Corporation of America. Pulse communication. 2,458,574, Jan. 11.

Dowell, A. Yates, assignee: *See*—
McCormick, William R.

Downer, John H., Toronto, Ontario, Canada. Device for mixing dental amalgams. 2,458,692, Jan. 11.

Dresser Industries, Inc., assignee: *See*—
Scharf, Paul B.

Drieschman, Donald F., Los Altos, and R. Leonard, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,458,693, Jan. 11.

Duff-Norton Manufacturing Company, The, assignee: *See*—
Schwerin, Frank H.

Duke, Sam, Chicago, Ill. Vehicle for invalids. 2,459,066, Jan. 11.

Dunham, Guy, Bono, Ark. Bee comb frame construction. 2,458,838, Jan. 11.

Dunn, W. E., Manufacturing Company, assignee: *See*—
Cooper, Benjamin G.

Dunn, William L., assignor, by mesne assignments, to Belmont Radio Corporation, Chicago, Ill. Electric motor follow-up control system. 2,458,983, Jan. 11.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Benning, Anthony F., Park, and Krahler.
Cavanaugh, Robert M., and Lufkin.
Plambeck, Louis, Jr.

Durland, John R., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of vinyl compounds. 2,458,494, Jan. 11.

Dyer, John R., Jr., and T. J. Rowan, Utica, assignors to The Indium Corporation of America, New York, N. Y. Electrodeposition of indium and its alloys. 2,458,839, Jan. 11.

Eakins, Everett A., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Method of making sponge rubber material. 2,458,694, Jan. 11.

Eastman Kodak Company, assignee: *See*—
Gresham, Donald C., and Loening.

Eastwood, Abraham B., Abington, assignor to The Tabor Manufacturing Company, Philadelphia, Pa. Cutoff machine. 2,459,068, Jan. 11.

Eaton Manufacturing Company, assignee: *See*—
Bunte, George F.

Edelston, Frederick C., assignor to Clarvan Corporation, Milwaukee, Wis. Combination shipping and display package for typewriters. 2,458,695, Jan. 11.

Eitel-McCullough, Inc., assignee: *See*—
Drieschman, Donald F., and Leonard.

Eklund, Elias N., Stockholm, Sweden. Grinding machine. 2,458,840, Jan. 11.

Electric & Musical Industries Limited, assignee: *See*—
Cork, Edward C.

Elevator Supplies Company, Inc., assignee: *See*—
Hains, Randall.

Elias, Solomon, New York, N. Y. Brassière halter. 2,458,696, Jan. 11.

Elmore, Norman M., Elizabeth, and A. M. Gessler, Cranford, N. J., assignors to Standard Oil Development Company. Rubber softened with sulfur dioxide and chlorine treated polyisobutylene reacted with ammonia. 2,458,841, Jan. 11.

Empire Electric Brake Company, assignee: *See*—
Ingres, Jeannot G., and Ayers.

Engle, Charles A., Pawtucket, R. I. Football instructing device. 2,458,984, Jan. 11.

Ensinger, Earl H., Cleveland, Ohio. Belt tightening means for engine units. 2,458,575, Jan. 11.

Erickson, Andrew L., Cincinnati, Ohio, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating. 2,459,067, Jan. 11.

Erny, Frank, Kenmore, N. Y., assignor to Curtiss-Wright Corporation. Flap operating means. 2,458,900, Jan. 11.

Ethyl Corporation, assignee: *See*—
Dorsky, Julian, Mattson, and Neher.

Etten, Nicholas L., Waterloo, Iowa, assignor, by mesne assignments, to United States of America as represented by the Secretary of War. Fragmentation bomb. 2,458,576, Jan. 11.

Evans, Guy J., Buffalo, N. Y. Folding box. 2,458,578, Jan. 11.

Evans, John, Hightstown, N. J., assignor to Radio Corporation of America. High-potential power supply. 2,458,577, Jan. 11.

Evensen, Christian, Melrose Park, Ill. Flange forming tool for openings in sheet metal. 2,458,842, Jan. 11.

Everett, Samuel J., Thornton Heath, assignor to James A. Jobling & Co. Ltd., Sunderland, England. Forming precision bore glass tubing. 2,458,934, Jan. 11.

Ewald, Raymond L., and H. A. Skog, assignors to Special Equipment Company, Portland, Oreg. Half fruit peeler with cooperating retainer means. 2,458,506, Jan. 11.

Fahrenbach, Marvin J., Westfield, N. J., assignor to American Cyanamid Company, New York, N. Y. Producing nitriles. 2,459,128, Jan. 11.

Falter, Clarence L.: *See*—
Webster, Hugh G., and Falter.

Farnsworth Research Corporation, assignee: *See*—
Halstead, William S.

Feldman, Carl B. H., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Microwave modulator. 2,458,579, Jan. 11.

Fenske, Ellsworth R., Lyons, assignor to Universal Oil Products Company, Chicago, Ill. Electrical computer. 2,458,697, Jan. 11.

Fergus, Daniel J.: *See*—
Bates, Herbert T., Fergus, and Craver.

Ferre, Albert W.: *See*—
Blanchard, Charles E., and Ferre.

Ferris, Walter, Milwaukee, and J. K. Douglas, Shorewood, assignors to The Oilgear Company, Milwaukee, Wis. Hydrodynamic machine. 2,458,985, Jan. 11.

Fields, Clifford, Mount Vernon, Ill. Scalp conditioning cabinet. 2,458,901, Jan. 11.

Firestone, Floyd A., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Supersonic reflectoscope. 2,458,771, Jan. 11.

Firestone, Floyd A., Washington, D. C., and J. R. Frederick, Ann Arbor, Mich., assignors to Sperry Products, Inc., Hoboken, N. J. Supersonic inspection. 2,458,581, Jan. 11.

Fischer, Albert W.: *See*—
Kettering, Charles F., and Fischer.

Fischer, Wilbur F., Roselle Park, N. J., assignor to Standard Oil Development Company. Improving cured butyl rubber for pressure working. 2,458,843, Jan. 11.

Fisher, Charles H.: *See*—
Rehberg, Chessie E., and Fisher.

Fisketti, Henry D., and J. G. Lenta, Duluth, Minn. Mask. 2,458,580, Jan. 11.

Fitz Gerald, Alan S., Wynnewood, Pa., assignor to Warren Webster & Company, Camden, N. J. Electromagnetic system. 2,459,069, Jan. 11.

Fitshugh, Robert R., Nicaro, Cuba, R. F. Frederick and R. A. Axelrad, Freeport, Tex., assignors to Nicaro Nickel Company, New York, N. Y. Recovery of ammonia from ore tailings pulp. 2,458,902, Jan. 11.

Fleck, Elmer E., Silver Spring, Md., assignor to United States of America as represented by the Secretary of Agriculture. Polymerising the glyceryl ester of levoprimaric acid-maleic anhydride adduct. 2,458,772, Jan. 11.

Flohr, Henry, Jr., Saratoga, Wyo. Cattle restraining device. 2,458,582, Jan. 11.

Foard, Robert F., Los Angeles, Calif. Screen printing machine. 2,458,773, Jan. 11.

Fogelberg, John M.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.

Foote, James, Plattsburg, assignor to B. F. D. Company, New York, N. Y. Packaging. 2,458,844, Jan. 11.

Forbes, Charles J., Terre Haute, Ind. Straddle link connector. 2,458,935, Jan. 11.

Foster, Jackson W., Austin, Tex., assignor to Merck & Co., Inc., Rahway, N. J. Fermentation. 2,458,495, Jan. 11.

Fox, Kenneth H., Red Bank, assignor to Bendix Aviation Corporation, Teterboro, N. J. Dynamotor. 2,458,507, Jan. 11.

Francis, Willard A., Sr., Bowerston, Ohio. Derailer bridge for railway track systems. 2,458,903, Jan. 11.

Frank, William H., assignor to Bulldog Electric Products Company, Detroit, Mich. Protective device for use with enclosed bus bar distribution systems. 2,458,583, Jan. 11.

Frederick, Benjamin F.: *See*—
Fitzhugh, Robert R., Frederick, and Axelrad.

Frederick, Julian R.: *See*—
Firestone, Floyd A., and Frederick.

Frey, George, Philadelphia, Pa., assignor to Globe Hoist Company, Des Moines, Iowa. Chassis engaging device for vehicle lifts. 2,458,986, Jan. 11.

Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Methylene sulfonate derivatives of alkyl compounds and aryl compounds. 2,458,584, Jan. 11.

Friedman, Harris L., New York, and L. D. Braitberg, assignors to Pyridium Corporation, Yonkers, N. Y. Aminopyridine compounds. 2,458,585, Jan. 11.

Frommer, Moses, New York, N. Y. Binocular loupe. 2,459,021, Jan. 11.

Frost, Orcutt W.: *See*—
Willey, Grant S., and Frost.

Fruth, Hal F., Chicago, and R. J. Pierce, Park Ridge, Ill., assignors to Motorola, Inc. Piezoelectric crystal unit. 2,458,987, Jan. 11.

Fuller, Clarence M., Warwick, assignor to Holbrook Raw Hide Co., Providence, R. I. Loop picker. 2,458,936, Jan. 11.

Gabel, Wilbur H., Kulm, N. Dak. Film controlled safety stop for motion-picture projectors. 2,458,774, Jan. 11.

Galbraith, Fred, New York, N. Y. Combined ironing board cover and iron pad or pad holder. 2,458,698, Jan. 11.

Gallagher, Edwin C.: *See*—
Bolley, Don S., and Gallagher.

Garand, John C., Springfield, E. G. Cooper, Framingham, and J. R. Bird, Pittsfield, Mass., and H. C. Miller, Billings, Mo. Grenade sight for firearms. 2,458,510, Jan. 11.

Gard, Arthur W., Edgewood, assignor of one-fourth to W. H. Parmelee, Bethel Township, Allegheny County, and one-fourth to J. M. Guthrie, Crafton, Pa. Doorstop. 2,459,070, Jan. 11.

Gardner, Emil M., Barberton, Ohio. Landing mechanism for airplanes. 2,458,845, Jan. 11.

Garrard Engineering and Manufacturing Company, The, assignee: *See*—
Mortimer, Edmund W.

Garrett Corporation, Airesearch Manufacturing Company division, The, assignee: *See*—
Morris, Charles W.
Williams, Louis B.

Garrison, Harry A., Minneapolis, assignor of one-half to J. F. Schwan, St. Paul, Minn. Sliding vane air compressor and exhauster. 2,459,071, Jan. 11.

Gayer, George F., Palo Alto, Calif., assignor, by mesne assignments, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Labyrinth packing. 2,458,988, Jan. 11.

General Aniline & Film Corporation, assignee: *See*—
Harsh, Harold C., Haff, and Kaszuba.
Rottschaefer, Bernard W.
Slifkin, Sam C.
Zoss, Abraham O.

General Electric Company, assignee: *See*—
Adamson, Arthur P.
Bassett, Merton O.
Dodson, Wayne E.
Hall, Chester I.
Harlow, Winton G.
Lincks, George F.

General Motors Corporation, assignee: *See*—
Kettering, Charles F., and Fischer.
Megeber, David W.

Gentry, William W., Chickasha, Okla. Convertible truck body. 2,459,022, Jan. 11.

George, Edwin S., Bloomfield Hills, assignor to Moto-Mower Company, Detroit, Mich. Making machine handles. 2,458,989, Jan. 11.

Gessler, Albert M.: *See*—
Elmore, Norman M., and Gessler.

Giacomelli, Carlo, New York, N. Y. Water ski. 2,458,775, Jan. 11.

Gilbert, Roswell W., Montclair, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electronic measuring apparatus. 2,459,104, Jan. 11.

Gilman, Wayne H., Oak Park, assignor to Permoflux Corporation, Chicago, Ill. Transformer mounting. 2,459,023, Jan. 11.

Gilmore, Robert H., Los Angeles, Calif. Adjustable work guide for saw tables. 2,458,846, Jan. 11.

Ginsberg, Abraham J., New York, N. Y. Film rack. 2,459,699, Jan. 11.

Gipson, Charles O., assignor to Heinz Manufacturing Company, Inc., Elwood, Ind. Floral rack. 2,459,024, Jan. 11.

Girman, Peter, assignee: *See*—
Reynolds, Charles H.

Giroud, Henry A., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Self-synchronous system. 2,458,586, Jan. 11.

Glass, Paul, assignor to Askania Regulator Company, Chicago, Ill. Electrical control circuit. 2,458,937, Jan. 11.

Globe Hoist Company, assignee: *See*—
Frey, George.

Gloss, Gunter H., Redwood City, assignor to Marine Magnesium Products Corporation, South San Francisco, Calif. Manufacture of magnesium products. 2,458,847, Jan. 11.

Goetz, Henry E., Brooklyn, N. Y. Sampling device. 2,458,508, Jan. 11.

Goff, Clarence W., Washington, Iowa. Hitch mechanism. 2,458,848, Jan. 11.

Goff, Loyal G.: *See*—
Reynolds, Orr E., and Goff.

Gogan, Joseph, Lakewood, Ohio. Apparatus for treating hollow bodies. 2,458,587, Jan. 11.

Goodrich Company, B. F., The, assignee: *See*—
Dasher, Paul J.
Davidson, William L., and Lewis.

Goodyear Aircraft Corporation, assignee: *See*—
Nielsen, James S.

Gordon, Herbert W., assignee, et al.: *See*—
Hanopol, Louis.

Gordon, Le Roy, Richmond, Mich., and L. L. Williams, Cleveland Heights, Ohio. Upholstery pad. 2,458,588, Jan. 11.

Gorin, Everett: *See*—
Kinney, Robert E., and Gorin.

Graham, Edwin A., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Mold. 2,459,025, Jan. 11.

Grambsch, Russell J., Marshfield, Wis. Direct-coupled amplifier with direct-current feedback. 2,458,849, Jan. 11.

Grandjean, Philippe, assignor to Sandoz Limited, Basel, Switzerland. Diazo dyestuffs and their manufacture. 2,458,776, Jan. 11.

Graver Tank & Mfg. Co., assignee: *See*—
Bieker, Lawrence W., and Lewis.

Greenhow, Sydney, Windsor, Ontario, Canada. Automatic key case. 2,458,938, Jan. 11.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Correction device for electronic function generators. 2,458,700, Jan. 11.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,676, Jan. 11.

Houdaille-Hershey Corporation, assignee: *See*—
Sebok, Joseph B., and Sebok.

Howeman, Isaac D., Cleveland, Ohio. Safety attachment. 2,458,939, Jan. 11.

Johns, Iral B., Ames, Iowa, and L. W. Burnette, Easton, Pa., assignors to Iowa State College Research Foundation, Ames, Iowa. Method of producing methylfuran. 2,458,777, Jan. 11.

Greenough, Maurice L., Groveland, Mass., assignor to Radio Corporation of America. Correction device for electronic function generators. 2,458,700, Jan. 11.

Greenough, Maurice L., Groveland, Mass., assignor, to Radio Corporation of America. Shaded pole motor control. 2,458,701, Jan. 11.

Gresham, Donald C., and E. E. Loening, Harrow, England, assignors to Eastman Kodak Company, Rochester, N. Y. Production of photographic stencils. 2,459,129, Jan. 11.

Griffon, Gaston, Neuilly-sur-Seine, assignor to Societe Anonyme Solex, Neuilly-sur-Seine, Seine, France. Pneumatic control accelerating pump. 2,458,990, Jan. 11.

Groat, Keith P., assignor to York Corporation, York, Pa. Two temperature refrigeration unit. 2,458,589, Jan. 11.

Grossbart, Lloyd L., Boicourt, Kans. Posthole digger. 2,458,991, Jan. 11.

Grupe, William F., Lyndhurst, N. J., assignor to Interchemical Corporation, New York, N. Y. Apparatus for tinning steel. 2,458,509, Jan. 11.

Gulf Research & Development Company, assignee: *See*— Pigott, Reginald J. S., and Mori.

Guthrie, James M., assignee, et al.: *See*— Gard, Arthur W.

Haff, Richard M.: *See*— Harsh, Harold C., Haff, and Kaszuba.

Hague, Floyd T., Drexel Hill, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Pulverized fuel burner. 2,458,992, Jan. 11.

Haines, Atwell B.: *See*— De Monte, Robert W., and Haines.

Haines, Donald G., Elmhurst, Ill., assignor to National Union Radio Corporation, Newark, N. J. Beam power tube. 2,459,072, Jan. 11.

Hains, Randall, Boonton, assignor to Elevator Supplies Company, Inc., Perth Arboy, N. J. Elevator hatchway door operator. 2,458,702, Jan. 11.

Hales, Ralph: *See*— Creighton, Henry J.

Hall, Chester I., Vischers Ferry, N. Y., assignor to General Electric Company. Control device. 2,458,939, Jan. 11.

Halstead, William S., Purchase, N. Y., assignor, by mesne assignments, to Farnsworth Research Corporation. Traffic signaling system. 2,459,105, Jan. 11.

Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Paper cup having a pouring lip extending outwardly from sidewall. 2,459,073, Jan. 11.

Hamilton Watch Company, assignee: *See*— Mentser, Ralph B.

Hanopol, Louis, Jamaica Plain, assignor to A. L., A., and L. Deutschmann, and H. W. Gordon, doing business as Technical Apparatus Company, Roxbury, Mass. Testing socket. 2,458,993, Jan. 11.

Hanshaw, Hugh H.: *See*— Harris, George W., and Hanshaw.

Happe, Reynold, Pittstown, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Dynamoelectric machine with integral connector boxes. 2,458,904, Jan. 11.

Hardick, Floyd W., assignor to R. P. Berry, Jackson, Mich. Target release actuator for toy cash registers. 2,458,850, Jan. 11.

Harding, Robert, Jr.: *See*— Walling, Lawrence J.

Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignor to Interchemical Corporation, New York, N. Y. Computing apparatus. 2,459,106, Jan. 11.

Hardy, Russell F., Dayton, Ohio. Camping trailer. 2,459,026, Jan. 11.

Harless, Reginald F., Ossining, N. Y. Refrigerating device for the manufacture of frozen comestibles. 2,458,940, Jan. 11.

Harlow, Winton G., Upper Darby, Pa., assignor to General Electric Company. Combined switch stud and fuse clip. 2,458,511, Jan. 11.

Harris, Frank, Orlando, Fla. Figured spinning toy. 2,458,851, Jan. 11.

Harris, George W., Ransomville, N. C., and H. H. Hanshaw, Norfolk, Va. Combination automobile jack and engine starting device. 2,458,590, Jan. 11.

Harris, Henry L., Richland, Wash. Spring wheel. 2,458,941, Jan. 11.

Harsh, Harold C., R. M. Haff, and F. J. Kaszuba, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Photographic process for converting black and white or monochrome pictures into multicolor pictures. 2,458,905, Jan. 11.

Hartford National Bank and Trust Company, assignee, trustee: *See*— Janssen, Johannes C. Shelton, Edward B. Taylor, Henry G. Vingerhoets, Antonius W., and Nieuwdorp.

Hartley, Emmett C.: *See*— Parker, Arthur L., and Hartley.

Hartman, Milton V.: *See*— Anderson, Harry J., and Hartman.

Hartough, Howard D.: *See*— Kosak, Alvin I., and Hartough.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,512, Jan. 11.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,513, Jan. 11.

Harvard College, The President and Fellows of, assignee: *See*— Volkmann, John.

Hastings-Hodgkins, Horace W., Lincoln, England, assignor to Radio Corporation of America. Course and height indicator for aircraft. 2,459,074, Jan. 11.

Hatcher, David B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Reduction of compounds of silicon and halogen. 2,458,703, Jan. 11.

Hayman, Charles M., Brooklyn, N. Y. Telegraph key. 2,459,027, Jan. 11.

Hazeltine, Stacey B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Door fastener. 2,458,591, Jan. 11.

Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for spectacles. 2,458,592, Jan. 11.

Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for lenses. 2,458,593, Jan. 11.

Healy, Thomas F., assignor to Saf-Mont, Inc., Washington, D. C. Safety mounting for lenses. 2,458,594, Jan. 11.

Heinz Manufacturing Company, Inc., assignee: *See*— Gipson, Charles O.

Hellan, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Roll tension device. 2,458,852, Jan. 11.

Helmold, J. F., & Bro., Inc., assignee: *See*— Messersmith, George G.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Spring testing scales. 2,458,704, Jan. 11.

Henry, Millard M.: *See*— Dickey, John W., Henry, and Riggen.

Hepp, Harold J., and H. R. Sailors, Bartlesville, Okla., assignors to Phillips Petroleum Company. Purification of hydrocarbons. 2,458,777, Jan. 11.

Herta, Jack H. B., assignor to John Widdicomb Company, Grand Rapids, Mich. Bed fastener, brace, and caster support. 2,458,595, Jan. 11.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Radio activity well logging method. 2,458,596, Jan. 11.

Hester, Russell P., Chelsea, Okla. Building block. 2,459,028, Jan. 11.

Hevener, Tyris M., Los Angeles, Calif. Collapsible hod. 2,458,942, Jan. 11.

Hibbard, Robert L., deceased, Bellevue; by S. C. Hibbard, Ross Township, Allegheny County, and R. L. Hibbard, Jr., and H. M. Junkin, Bellevue, executors, assignors of one-half to W. K. Stamets, Mars, Pa. Pipe cutoff machine. 2,459,075, Jan. 11.

Hibbard, Robert L., Jr., executor: *See*— Hibbard, Robert L.

Hibbard, Stewart C., executors: *See*— Hibbard, Robert L.

Hill, George B., Ottumwa, Iowa, assignor to Deere Manufacturing Co. Baling press. 2,458,994, Jan. 11.

Hills-McCanna Company, assignee: *See*— Anderson, Harry J., and Hartman.

Himmel Brothers Company, The, assignee: *See*— Himmel, Fred and I.

Himmel, Fred and I., New Haven, assignors to The Himmel Brothers Company, Hamden, Conn. Supplementary forming means for strip-metal forming machines. 2,458,906, Jan. 11.

Himmel, Isidore: *See*— Himmel, Fred and I.

Hines, William J., San Francisco, Calif. Cork remover. 2,458,778, Jan. 11.

Hitzelhammer, Mathew, Highland Park, Mich., assignor to Domestic Industries, Inc., Chicago, Ill. Locking mechanism for jigs and the like. 2,458,705, Jan. 11.

Hochreiter, Edward: *See*— McGary, Frank E., Hochreiter, Schlecht, and Shannon.

Hodsdon, Floyd G., Milwaukee, Wis., assignor to International Harvester Company. Pressure releaser milker. 2,458,779, Jan. 11.

Hoewischer, Frederick W.: *See*— Woodberry, John H., and Hoewischer.

Hoier, Walter, and R. N. Clifton, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine. 2,458,597, Jan. 11.

Holbrook Raw Hide Co., assignee: *See*— Fuller, Clarence M.

Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for trimming shoe parts. 2,458,598, Jan. 11.

Hooker Electrochemical Company, assignee: *See*— Rucker, John T. Sconce, James S., and Johnson.

Hopax Industries, Inc., assignee: *See*— Tucker, John W.

Hoppe, Boris, Kew Gardens, N. Y. Serving combination. 2,458,907, Jan. 11.

Houdaille-Hershey Corporation, assignee: *See*— Sobek, Joseph B., and Sobek.

Houseman, Isaac D., Cleveland, Ohio. Safety attachment. 2,458,943, Jan. 11.

Howard, Harry A.: *See*— Kelly, Howard E., and Howard.

Howe, Andrew F., assignor, by mesne assignments, to Centrifugal & Mechanical Industries, Inc., St. Louis, Mo. Differential gearing for centrifugal machines. 2,458,706, Jan. 11.

Howland, Louis H., Watertown, Conn., assignor to United States Rubber Company, New York, N. Y. Antioxidants. 2,458,780, Jan. 11.

Huber, George H.: *See*— Cox, Leslie R., and Huber.

Hughes, Ralph L., Los Angeles, Calif. Time controlled switch mechanism. 2,458,853, Jan. 11.

Hughes Tool Company, assignee: *See*— Lewis, William L., and Pahl. Young, John, Jr.

Hull, Henry E., and P. L. Takacs, assignors to The Parker Appliance Company, Cleveland, Ohio. Machine for beading tubes by radial expansion followed by axial pressure. 2,458,854, Jan. 11.

Hultquist, Martin E., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Process of preparing 1,1,3,3-tetraalkoxypropanes. 2,459,076, Jan. 11.

Hummer, Ralph G., assignor to Defiance Machine Works, Inc., Defiance, Ohio. Cutter tool vibration control. 2,458,995, Jan. 11.

Huntley, William F.: *See*— Klemperer, Hans, and Huntley.

Hussey, Luther W., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Circuit for sampling balanced signals. 2,458,599, Jan. 11.

Hyde, George J.: *See*— Sampson, Frederick W., and Hyde.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxanes and making them. 2,458,944, Jan. 11.

Hyler, Loiell L., assignor to La Plant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Universal hitch. 2,458,781, Jan. 11.

Hyman, Benjamin M., and E. K. Karlsson, Moline, Ill., assignors to International Harvester Company. Tractor-mounted corn picker. 2,458,782, Jan. 11.

Imbert, Roger J., and M. H. L. Sédille, assignors to Societe Rateau (Societe Anonyme) and Rene Anxionnaz, Paris, France. Aerodynamic propelling means operating through direct reaction jet and scavenging. 2,458,600, Jan. 11.

Imperial Chemical Industries Limited, assignee: *See*— Smith, Richard J.

Indium Corporation of America, The, assignee: *See*— Dyer, John R., Jr., and Rowan.

Ingres, Jeannot G., and D. T. Ayers, Jr., Richmond, Va., assignors to Empire Electric Brake Company, Newark, N. J. Door locking system. 2,459,029, Jan. 11.

Interchemical Corporation, assignee: *See*— Grupe, William F. Hardy, Arthur C., and Dench.

International Harvester Company, assignee: *See*— Hodson, Floyd G. Hyman, Benjamin M., and Karlsson. Messenger, Robert P. Orendorff, John W. Turnbull, Glen O.

Iowa State College Research Foundation, assignee: *See*— Johns, Iral B., and Burnette.

Isacco, Vittorio, London, England. Parachute and the like with rotating sustaining blades. 2,458,855, Jan. 11.

Jacobs, F. L., Co., assignee: *See*— Brundage, Alan D. Jacobs, Fred L.

Jacobs, Fred L., Grosse Pointe, assignor to F. L. Jacobs Co., Detroit, Mich. Visor. 2,458,707, Jan. 11.

Jacobs, James H., Boulder City, Nev., assignor, by mesne assignments, to Crimora Research and Development Corporation, Crimora, Va. Stripping electrodeposited manganese. 2,458,908, Jan. 11.

Jacobson, Jesse B., San Jose, Calif. Kitchen knife sharpener. 2,458,856, Jan. 11.

Jameson, William, assignee: *See*— Nyberg, Curt E.

Janssen, Johannes C., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electric discharge tube comprising electrodes secured to rods. 2,458,945, Jan. 11.

Jeffrey, Max L., Cleveland, Ohio. Quick action switch. 2,459,077, Jan. 11.

Jeffrey, Max L., Shaker Heights, Ohio. Shock absorbent stop for solenoids. 2,459,078, Jan. 11.

Jensen, Joseph W., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Constant reference point manometer. 2,458,783, Jan. 11.

Jobling, James A., & Co., Ltd., assignee: *See*— Everett, Samuel J.

John, Harry J., Philadelphia, Pa. Spray trap. 2,458,909, Jan. 11.

Johns, Iral B., Ames, Iowa, and L. W. Burnette, Easton, Pa., assignors to Iowa State College Research Foundation, Ames, Iowa. Method of producing methylfuran. 2,458,857, Jan. 11.

Johnson, Arnold N.: *See*— Sconce, James S., and Johnson.

Johnson, Arthur A., assignor to Casco Products Corporation, Bridgeport, Conn. Drum type indicator alarm clock. 2,459,107, Jan. 11.

Johnson, Carl E., St. Louis, Mich., assignor to Standard Oil Company, Chicago, Ill. Preparation of ketones by catalytic reaction of olefins and acid anhydrides. 2,458,603, Jan. 11.

Johnson, Carl O., Springville, and W. C. Burt, assignors to Clair Manufacturing Company, Inc., Olean, N. Y. Polishing and glazing machine. 2,458,708, Jan. 11.

Johnson, George, Ironwood, Mich. Snow protector for skis. 2,458,602, Jan. 11.

Johnson, John A., Wauwatosa, and C. E. Kenney, West Allis, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Gas turbine power unit. 2,459,079, Jan. 11.

Johnson, John B., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for measuring pressure. 2,458,601, Jan. 11.

Johnson, Paul P., Willoughby, assignor to Thompson Products, Inc., Cleveland, Ohio. Quick disconnect coupling. 2,458,910, Jan. 11.

Johnston, Edwin F., Earlington, Ky. Bit holder for coal-cutting chains. 2,458,946, Jan. 11.

Jonas, Herbert C., Great Neck, N. Y., J. P. Laico, Springfield, N. J., and V. L. Ronci, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tunable magnetron. 2,459,030, Jan. 11.

Jones, John P., assignor to The Dairy Specialties Company, Incorporated, Omaha, Nebr. Cream dispenser. 2,459,130, Jan. 11.

Junkin, Hays M., executor: *See*— Hibbard, Robert L.

Kappes, Frank J., San Mateo, Calif. Garage door. 2,458,604, Jan. 11.

Karlsson, Elof K.: *See*— Hyman, Benjamin M., and Karlsson.

Kaszuba, Frank J.: *See*— Harsh, Harold C., Haff, and Kaszuba.

Kayer, Jean H., Hollywood, Calif. Fingernail guard. 2,458,709, Jan. 11.

Keeling, William O., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Heating coking retort ovens with enriched mixtures of fuel gas. 2,458,515, Jan. 11.

Kellett, John, III, and H. E. Rasmussen, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporater. Continuous catalytic process for the acylation of thiophenes. 2,458,514, Jan. 11.

Kelly, Howard E., Los Angeles, Calif., and H. A. Howard, Seattle, Wash. Apparatus for packing asparagus. 2,458,858, Jan. 11.

Kemline Metal Products Company, Inc., assignee: *See*— Mitdouhas, Stephen P.

Kempton, Leslie A., St. Petersburg, Fla., assignor to The Dole Valve Company, Chicago, Ill. Multiple check valve. 2,458,710, Jan. 11.

Kennecott Copper Corporation, assignee: *See*— Martin, Rhetherford B.

Kenney, Clarence E.: *See*— Johnson, John A., and Kenney.

Kerr, Ellen, Coventry, England. Device for depilatory purposes. 2,458,911, Jan. 11.

Kestell, Thomas A., Thurmaston, assignor to Power Jets (Research & Development) Limited, London, England. Locating and locking means. 2,458,859, Jan. 11.

Kettering, Charles F., and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Automatic control. 2,458,784, Jan. 11.

Kiillus, William, Altadena, Calif., assignor ot Blackhawk Mfg. Co., Milwaukee, Wis. Mechanic's work-holding table furnished with adjustable work-supporting arms. 2,459,080, Jan. 11.

King, Clarence D., Pittsburgh, Pa., and P. D. Nielsen, Lorain, Ohio, assignors to United States Steel Corporation of Delaware. Improving blast furnace operations. 2,458,947, Jan. 11.

Kingsbury Machine Tool Corporation, assignee: *See*— Clark, Carleton B.

Kingston Products Corporation, assignee: *See*— Dawson, Francis A.

Kinney, Robert E., and E. Gorin, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of carbon black. 2,458,996, Jan. 11.

Kirin, Charles W., Detroit, Mich. Crush forming grinding wheels. 2,458,606, Jan. 11.

Kiser, James A., Hungerford, Pa. Three-way rupture truss appliance. 2,459,031, Jan. 11.

Klemperer, Hans, Belmont, and W. F. Huntley, Lowell, assignors to Raytheon Manufacturing Company, Newton, Mass. Rectifying system. 2,458,516, Jan. 11.

Knabe, Martin C., Library, Pa. Building structure. 2,458,606, Jan. 11.

Knapp-Monarch Company, assignee: *See*— Schwarts, Louis K.

Knee, Simon, Newark, N. J. Wallet with auxiliary or secret billfold. 2,458,711, Jan. 11.

Knight, Arthur R., Dayton, Ohio. Cathode-ray ultra high

Lewis, William L., Glendale, and F. C. Pahl, Culver City, Calif.; said Pahl assignor to Hughes Tool Company, Houston, Tex. Jig for assembling hollow structures.

Maabruch, Henry, assignor to Russell Manufacturing Company, Platteville, Wis. Bull halter and controller. 2,458,717, Jan. 11.

Miller, Wilbur H., Springdale, and R. O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Pantoyltauramides and preparation of

Knee, Simon, Newark, N. J. Wallet with auxiliary or secret billfold. 2,458,711, Jan. 11.
Knight, Arthur R., Dayton, Ohio. Cathode-ray ultra high frequency receiver. 2,458,517, Jan. 11.
Kogel, John, Malverne Park, Long Island, assignor to Kollmorgen Optical Corporation, Brooklyn, N. Y. Scanning lens with mounting means for sound projectors. 2,458,860, Jan. 11.
Kohl, Everard F., Lakewood, Ohio. Snap acting device. 2,458,518, Jan. 11.
Kohler, Alfred, Neuchatel, assignor to Sirco A.-G., Zurich, Switzerland. Mercury vapor discharge vessel and connection arrangements for the same. 2,458,861, Jan. 11.
Kollmorgen Optical Corporation, assignee: *See*— Kogel, John.
Koppers Company, assignee: *See*— Denig, Fred.
Koppers Company, Inc., assignee: *See*— Keeling, William O.
Kops Bros., Inc., assignee: *See*— Kops, Richard S.
Kops, Richard S., Scarsdale, assignor to Kops Bros., Inc., New York, N. Y. Convertible foundation garment. 2,458,712, Jan. 11.
Korth, William J., assignor of one-half to S. W. Levine, Cleveland, Ohio. Electrical connector. 2,459,032, Jan. 11.
Kosak, Alvin I.: *See*— Hartough, Howard D., and Kosak.
Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene with silica-alumina catalyst. 2,458,519, Jan. 11.
Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylation of thiophene. 2,458,520, Jan. 11.
Kosak, Alvin I., Columbus, Ohio, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Acylating thiophene with silica-hydrous metallic oxide catalyst. 2,458,521, Jan. 11.
Kottke, Edward R., St. Paul, Minn. Trolling plate attachment. 2,458,785, Jan. 11.
Krahler, Stanley E.: *See*— Benning, Anthony F., Park, and Krahler.
Kraus, Alvin R., North Hollywood, Calif. Arm support for use on surgical operating tables. 2,459,033, Jan. 11.
Kraus, Wilhelm: *See*— Ott, Gustav H., and Kraus.
Krebs, Robert W., Baton Rouge, La., assignor to Standard Oil Development Company. Preventing secondary reactions in catalytic processes. 2,458,862, Jan. 11.
Kroenlein, Henry A., Los Angeles, Calif., assignor to R. P. Berry, Jackson, Mich. Combination key holder and tension member for toy cash registers. 2,458,863, Jan. 11.
Kruger, Michael H., Malden, assignor to A. L. Smith Iron Company, Chelsea, Mass. Hanger. 2,459,034, Jan. 11.
Kruse, Theodore A.: *See*— Burdick, William H., Connor, and Kruse.
Kuns, Miles C., Union, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical measuring instrument. 2,459,081, Jan. 11.
Lagergren, Earl E., King County, Wash. Ski towrope gripper. 2,458,786, Jan. 11.
Laico, Joseph P.: *See*— Jonas, Herbert C., Laico, and Ronci.
Lamothe, Joseph A.: *See*— Lamothe, Onesime and J. A.
Lamothe, Onésime, Champlain, and J. A. Lamothe, Lachine, Quebec, Canada. Batten clamp. 2,458,787, Jan. 11.
Lampson, Curtis W.: *See*— Stoner, Richard G., and Lampson.
Langley Corporation, assignee: *See*— Von Koscielski, George.
La Plant-Choate Manufacturing Co., Inc., assignee: *See*— Hyler, Lotell L.
Larsen Company, The, assignee: *See*— Winters, Russell H.
Lauchenauer, Hermann, Zurich, Switzerland. Self-priming centrifugal pump. 2,458,607, Jan. 11.
Lea, Ellis, South Charleston, W. Va. Piston machine rest. 2,458,608, Jan. 11.
Lenta, Joseph G.: *See*— Fiskettl, Henry D., and Lenta.
Leonard, Eugene V.: *See*— Schreiner, Louis W., and Leonard.
Leonard, Radford: *See*— Drieschman, Donald F., and Leonard.
Levesque du Rostu, Georges, assignor to Society Anonyme Andre Citroen, Paris, France. Cooling device by vaporisation for internal-combustion engines. 2,458,609, Jan. 11.
Levine, Arnold J., Cincinnati, Ohio, now by change of name J. A. Lindon. Skirt hanger. 2,458,997, Jan. 11.
Levine, Sam W., assignee: *See*— Korth, William J.
Lewis, Hubert W.: *See*— Davidson, William L., and Lewis.
Lewis, William J.: *See*— Bieker, Lawrence W., and Lewis.
Lewis, William L., Glendale, and F. C. Pahl, Culver City, Calif.; said Pahl assignor to Hughes Tool Company, Houston, Tex. Jig for assembling hollow structures. 2,458,788, Jan. 11.
Libbey-Owens-Ford Glass Company, assignee: *See*— Hatcher, David B.
Lima, Henry C., Flushing, N. Y., assignor of one-fourth to M. W. Davis, Bridgeport, Conn. Freight car with dumping body. 2,459,035, Jan. 11.
Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Protective device. 2,458,948, Jan. 11.
Linderer, Francis Boise, Idaho, assignor, by mesne assignments, to Deere Manufacturing Co. Crop compressor. 2,458,713, Jan. 11.
Lindon, John A., by change of name: *See*— Levine, Arnold J.
Lindsay, John D., Grosse Pointe Woods, Mich. Making integral molded structures. 2,458,864, Jan. 11.
Lindström, Nils E., Stockholm, Sweden. Gas detector. 2,458,610, Jan. 11.
Line Material Company, assignee: *See*— Schultz, William O.
Lipe, Bruce R., Cincinnati, and E. E. Schroeder, Norwood, Ohio, assignors to Allis Chalmers Manufacturing Company, Milwaukee, Wis. Combined pump means and motor means. 2,459,036, Jan. 11.
Little, Arthur D., Inc., assignee: *See*— Collins, Samuel C.
Ljunggren, Thor H.: *See*— Bryant, William J., and Ljunggren.
Loening, Erich E.: *See*— Gresham, Donald C., and Loening.
Lolkema, Jan, Hoogesand, Netherlands; vested in the Attorney General of the United States. Producing ethers and esters of carbohydrates. 2,459,108, Jan. 11.
Long, Tom K., Akron, Ohio. Illuminating unit for conventional fishing lures or bait. 2,458,611, Jan. 11.
Lowenheim, Frederick A., Plainfield, N. J., assignor to Metal & Thermit Corporation, New York, N. Y. Electroplating of tin. 2,458,912, Jan. 11.
Lufkin, James E.: *See*— Cavanaugh, Robert M., and Lufkin.
Lull, Le Grand H., Minneapolis, Minn. Load carrier mounting. 2,458,949, Jan. 11.
Luzardo, Rodolfo, Chacao, Venezuela. Child's nursing stand. 2,458,950, Jan. 11.
Luzzatto, Ferdinand, and J. C. Palmer, Gary, Ind. Automatic shearing apparatus. 2,458,612, Jan. 11.
Lyon, Ethel S., Williamsburg, Va. Protecting apron for ironing boards. 2,458,613, Jan. 11.
MacKay, Raymond F, Worcester, Mass. Traction aiding device for self-propelled vehicles. 2,458,522, Jan. 11.
Macklin, Donald J.: *See*— Bachman, Benjamin B., and Macklin.
Mahoney, Frank D., San Francisco, Calif. Coupling. 2,458,714, Jan. 11.
Malchus, Johannes A. C., Amsterdam, Netherlands. Dust aspirator with a rotatable flexible tube connection. 2,458,614, Jan. 11.
Mallnak, Samuel H., Butte, Mont. Drill bit loosener. 2,458,951, Jan. 11.
Mallory, P. R., & Co., Inc., assignee: *See*— Aust, Robert J. Booe, James M. Giles, Herbert E.
Malluk, Assad M., New York, N. Y. Legging boot. 2,458,952, Jan. 11.
Malm, William A. R., New Orleans, La. Invisible light television system. 2,458,865, Jan. 11.
Mann, Charles W., Silver Spring, Md., assignor to United States of America as represented by the Secretary of Agriculture. Apparatus and method for determining the scuff resistance of leather. 2,458,953, Jan. 11.
Marciniak, Emil J.: *See*— Wheeler, Ralph F., and Marciniak.
Marencik, William J., and R. E. Ahlf, assignors to Thompson Products, Inc., Cleveland, Ohio. Preventing scaling. 2,458,715, Jan. 11.
Marendaz, Donald M. K., Bergh Apton, England. Clutch gearing. 2,458,716, Jan. 11.
Marine Magnesium Products Corporation, assignee: *See*— Gloss, Gunter H.
Marinsky, Davis, assignee: *See*— Morin, Louis H.
Márquez, Nemesio, Buenos Aires, Argentina, assignor to F. A. Cardenas, Rio de Janeiro, Brazil. Automatic control system for electric circuits. 2,458,954, Jan. 11.
Marsden, John E., Philadelphia, Pa. Baseball bat. 2,458,919, Jan. 11.
Marter, Hans, assignor to Societa Tecnica Applicazioni Metalli Duri Ed Affini-S. T. A. M. A., Milan, Italy. Wire coiling machine particularly for producing coiled filaments for electric lamps and electronic tubes. 2,458,789, Jan. 11.
Martin, Fred O., assignee: *See*— Zimmerman, Maximilian E.
Martin, Homer Z., Roselle, N. J., assignor to Standard Oil Development Company. Removing entrained gaseous fluids from solids. 2,458,866, Jan. 11.
Martin, Rhetherford B., assignor to Kennecott Copper Corporation, New York, N. Y. Froth flotation of sulfide ores in the presence of a N-dichlorothiocarbanilide. 2,458,523, Jan. 11.

Masbruch, Henry, assignor to Russell Manufacturing Company, Platteville, Wis. Bull halter and controller. 2,458,717, Jan. 11.
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,458,615, Jan. 11.
Mattson, George W.: *See*— Dorsky, Julian, Mattson, and Neher.
Maynor, Tracy L., Beckley, W. Va. Trigger safety for shotguns and the like. 2,458,616, Jan. 11.
McCann, Harold G., Flushing, N. Y., assignor to Allied Chemical & Dye Corporation. Stabilization of sulfur trioxide. 2,458,718, Jan. 11.
McCaskell, William, Los Angeles, Calif. Filter. 2,459,082, Jan. 11.
McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigerator provided with a defrosting control for the refrigeration system thereof. 2,459,083, Jan. 11.
McConnaughay, Kenneth E., West Lafayette, Ind. Drier. 2,458,617, Jan. 11.
McCormick, William R., Chicago, Ill., assignor to A. Y. Dowell, Washington, D. C. Colonic device. 2,458,719, Jan. 11.
McDonald, Albert W., Elkhart, Ind. Foldable step for trailers. 2,458,618, Jan. 11.
McDonnell Aircraft Corporation, assignee: *See*— Tauser, Charles H.
McFall, William W., River Forest, Ill. Shirt packaging device. 2,458,998, Jan. 11.
McGary, Frank E., Narberth, E. Hochreiter, C. F. Schlecht, and F. Shannon, assignors to The Budd Company, Philadelphia, Pa. Method of and means for making dies. 2,459,084, Jan. 11.
McIntosh, Samuel F., Scarsdale, N. Y. Joist. 2,459,037, Jan. 11.
McKay, Arthur F., assignor to Dominion Tar & Chemical Company Limited, Montreal, Quebec, Canada. Direct synthesis of alkyl substituted styrene polymers. 2,459,109, Jan. 11.
McKinley, Orman O., Indianapolis, Ind. Louvered awning. 2,458,619, Jan. 11.
McKnight, Joseph H., Pittsburgh, Pa. Combined toy railroad and sound producing means therefor. 2,459,038, Jan. 11.
Megeber, David W., assignor to General Motors Corporation, Dayton, Ohio. Sliding vane compressor. 2,458,620, Jan. 11.
Meltes, Thelma S.: *See*— Brenner, Abner, and Meltes.
Mentzer, Ralph B., assignor to Hamilton Watch Company, Lancaster, Pa. Pallet stone cutting and polishing. 2,458,913, Jan. 11.
Merck & Co., Inc., assignee: *See*— Babson, Robert D. Foster, Jackson W.
Merts, Harry J., Webster City, Iowa, assignor to Solar Corporation, Milwaukee, Wis. Power transmission drive adjustment. 2,458,720, Jan. 11.
Mer-Wall Enterprises, Incorporated, assignee: *See*— Carignan, Raymond.
Mesa, Joseph O., Bayside, N. Y., assignor to Stewart-Warner Corporation, Chicago, Ill. Automatic positioning apparatus. 2,459,039, Jan. 11.
Mesner, Max H., Princeton, N. J., assignor to Radio Corporation of America. Electronic distributor for multiplex pulse communication systems. 2,459,131, Jan. 11.
Messenger, Robert P., Kenilworth, Ill., assignor to International Harvester Company. Beet topper. 2,458,790, Jan. 11.
Messenger, Robert P., Kenilworth, Ill., assignor to International Harvester Company. Stalk forwarder for corn pickers and huskers. 2,458,791, Jan. 11.
Messersmith, George G., assignor to J. F. Helmold & Bro., Inc., Chicago, Ill. Method of and apparatus for preparing creasing counters. 2,458,867, Jan. 11.
Metal & Thermit Corporation, assignee: *See*— Lowenheim, Frederick A.
Meyer, Frederick, Union, assignor to Ronson Art Metal Works, Inc., Newark, N. J. Pyrophoric lighter. 2,459,085, Jan. 11.
Meyer, Ronald E.: *See*— Otto, Ferdinand P.
Midouhas, Stephen P., assignor to Kemline Metal Products Company, Inc., Bristol, Pa. Collapsible clothesline. 2,459,110, Jan. 11.
Miller, Carl F., Summit, assignor to National Union Radio Corporation, Orange, N. J. Electron tube and heater type cathode therefor. 2,459,086, Jan. 11.
Miller, Charles E., assignor to Time Oil Co., Seattle, Wash. Disposal receptacle. 2,458,868, Jan. 11.
Miller, Eric, Rose Bay near Sydney, New South Wales, Australia. Tripod head. 2,459,040, Jan. 11.
Miller, Frank A., assignor to Buffalo Machinery Company, Incorporated, Buffalo, N. Y. Stud driver. 2,458,622, Jan. 11.
Miller, George F., Chicago, Ill. Chalk holder. 2,459,087, Jan. 11.
Miller, Harold C.: *See*— Garand, John C., Cooper, Bird, and Miller.
Miller, Robert E., Bronxville, N. Y. Furniture leg shoe. 2,458,621, Jan. 11.
618 O. G.—41c
Miller, Wilbur H., Springdale, and R. O. Roblin, Jr., Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Pantoyltauramides and preparation of the same. 2,459,111, Jan. 11.
Mills, Will R. S., Crystal, Okla. Primer and idler. 2,458,999, Jan. 11.
Milwaukee Lace Paper Company, assignee: *See*— Hamilton, Kenneth C.
Miner, W. H., Inc., assignee: *See*— Dentler, Arnold E. Haseltine, Stacy B.
Mishawaka Rubber and Woolen Manufacturing Company, assignee: *See*— Eakins, Everett A.
Mitchell Manufacturing Company, assignee: *See*— Wiedenhoeft, Arthur E.
Mitsch, William H., Wheeling, W. Va. Automatic timing device. 2,459,041, Jan. 11.
Mohr, Harry F.: *See*— Bradley, George G.
Monogram Manufacturing Company, assignee: *See*— Wallace, Frank C.
Monsanto Chemical Company, assignee: *See*— Durland, John R.
Mori, Ernest A.: *See*— Pigott, Reginald J. S., and Mori.
Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Slider and constructing the same. 2,458,914, Jan. 11.
Morrell, Charles E.: *See*— Yowell, Howard L., and Morrell.
Morris, Charles W., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Spill valve. 2,459,000, Jan. 11.
Mortimer, Edmund W., assignor to The Garrard Engineering and Manufacturing Company, Limited, Swindon, England. Control means for gramophones. 2,458,623, Jan. 11.
Morton, William A., and E. G. Smith, Mount Lebanon Township, Allegheny County, assignors, by mesne assignments, to Amsler Morton Corporation, Pittsburgh, Pa. Method and apparatus for artificially compensating for thermal load changes in heat-treatment furnaces. 2,458,624, Jan. 11.
Moss, Jack, Youngstown, Ohio. Special order form. 2,458,955, Jan. 11.
Moss, Philip H.: *See*— Cook, Elmer W., and Moss.
Moss, Philip H., Stamford, Conn., and E. W. Cook, assignors to American Cyanamid Company, New York, N. Y. Aliphatic amide-substituted propyl quaternary ammonium compounds. 2,459,088, Jan. 11.
Motley, Lewis, London, England. Gun mounting. 2,458,956, Jan. 11.
Moto-Mower Company, The, assignee: *See*— George, Edwin S.
Motorola, Inc., assignee: *See*— Fruth, Hal F.
Murphy, James F., Philadelphia, Pa. Punch jig. 2,458,524, Jan. 11.
Murray & Tregurtha, Inc., assignee: *See*— Wanser, Arthur W.
Murray, William A., Ajo, and G. T. Alley, Tucson, Ariz. Curtain rod guide. 2,459,001, Jan. 11.
Natchtman, John S., Youngstown, Ohio. Method and apparatus for brightening tin plate. 2,458,525, Jan. 11.
National Automatic Tool Company, Inc., assignee: *See*— Schafer, Robert A.
National Drug Company, The, assignee: *See*— Avakian, Souren.
National Lead Company, assignee: *See*— Bolley, Don S., and Gallagher.
National Lock Company, assignee: *See*— North, Edwin W.
National Union Radio Corporation, assignee: *See*— Haines, Donald G. Miller, Carl F.
Nave, David T., and R. L. Sullivan, Los Angeles, Calif. Capillarity control means. 2,459,042, Jan. 11.
Nawoj, Edward J.: *See*— Nesset, Maurice M., and Nawoj.
Naylor, Joshua C., Monkseaton, assignor to Vickers-Armstrongs Limited, London, England. Reciprocating pump or motor. 2,458,869, Jan. 11.
Neher, Clarence M.: *See*— Dorsky, Julian, Mattson, and Neher.
Neild, William G., Warren Point, assignor to Bendix Aviation Corporation, Teterboro, N. J. Temperature compensator for electrical regulators. 2,458,957, Jan. 11.
Nenno, Howard F., Rochester, N. Y. Electric shaving kit. 2,458,721, Jan. 11.
Nesset, Maurice M., Glenview, and E. J. Nawoj, Chicago, assignors to Baxter Laboratories, Inc., Glenview, Ill. Tubing set. 2,458,722, Jan. 11.
New York Air Brake Company, The, assignee: *See*— Sudduth, Henry N.
Nicaro Nickel Company, assignee: *See*— Fitzhugh, Robert R., Frederick, and Axelrad.
Nielsen, James S., Stow, assignor to Goodyear Aircraft Corporation, Akron, Ohio. Metal bending and stretching apparatus. 2,459,132, Jan. 11.
Nielsen, Peer D.: *See*— King, Clarence D., and Nielsen.

Nieuwdorp, Hendrik: *See*—
Parker Appliance Company, The, assignee: *See*—

Radio Corporation of America, assignee: *See*—
Roethell, Bruno H., Cranford, and W. G. Scharmann, Roselle, N. J., assignors to Standard Oil Development Company. Method of and apparatus for separating solid particles from a fluid stream. 2,458,870, Jan. 11.

Nieuwdorp, Hendrik: *See*—
Vingerhoets, Antonius W., and Nieuwdorp.
Nijland, Hendrik A. H., Laren, Netherlands. Electric circuit breaker. 2,458,792, Jan. 11.
Nilsson, Gustaf F., Minneapolis, Minn. Electrode holder. 2,458,723, Jan. 11.
Nisolek, John J., Chicago, Ill. Water filter bowl. 2,458,625, Jan. 11.
Noblitt-Sparks Industries, Inc., assignee: *See*—
Booth, Earl C.
Nopco Chemical Company, assignee: *See*—
Buxton, Loran O.
Norige, Anthony, East Hartford, Conn. Drill chuck. 2,458,626, Jan. 11.
North, Edwin W., assignor to National Lock Company, Rockford, Ill. Table lid support. 2,458,627, Jan. 11.
North American Aviation, Inc., assignee: *See*—
Davie, Robert P., Jr.
Novadel-Agene Corporation, assignee: *See*—
Booth, George M.
Nyberg, Curt E., Chicago, Ill., assignor of one-half to W. Jameson, Miami, Fla. Salt and pepper shaker. 2,459,133, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,458,526, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,458,527, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,112, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,113, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,114, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,115, Jan. 11.
Oberright, Edward A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Mineral oil composition. 2,459,116, Jan. 11.
Och, Henry G.: *See*—
Boghosian, William H., and Och.
O'Donnell, Vincent T., Aberdeen, S. Dak. Wrist watch holder. 2,458,793, Jan. 11.
Ogden, James H., San Diego, Calif. Lock for adjustable end wrench. 2,458,794, Jan. 11.
Ogorsaly, Henry J., Summit, N. J., assignor to Standard Oil Development Company. Hydrogenation of an oxide of carbon. 2,458,870, Jan. 11.
Oilgear Company, The, assignee: *See*—
Ferris, Walter, and Douglas.
Okun, Nathaniel N., Bronx, N. Y. Vest-pocket circuit testing device. 2,458,628, Jan. 11.
Oles, Herbert E., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Marking device. 2,458,871, Jan. 11.
Oliver, Bernard M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Object locating system. 2,459,117, Jan. 11.
Olvis, James E., Glendale, Calif. Adjustable door holder and doorstop. 2,458,528, Jan. 11.
Orendorff, John W., Canton, Ill., assignor to International Harvester Company. Beet topper. 2,458,795, Jan. 11.
Orley, George, Detroit, Mich. Serpentine freezer shelf. 2,458,629, Jan. 11.
Orr, John H., assignor to Carbodies Limited, Coventry, England. Folding hood for motor vehicles and the like. 2,459,089, Jan. 11.
Ott, Gustav H., Riehen, and W. Kraus, assignors to Ciba Limited, Basel, Switzerland. Phenol oxide resin lacquers and their manufacture. 2,458,796, Jan. 11.
Otto, Ferdinand P., Woodbury, N. J., and R. E. Meyer, Cumberland, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Products obtained by reacting phosphorus pentasulfide with sulfurised ketones. 2,459,090, Jan. 11.
Owenby, Frank: *See*—
Owenby, Paul and F., and Sacks.
Owenby, Paul and F., Marietta, Ga., and J. A. Sacks, New York, N. Y. Garment. 2,459,043, Jan. 11.
Padwe, Seymour: *See*—
Rosenberg, Samuel, and Padwe.
Page, Roland A., New York, N. Y. Adjusting means for gluing machines. 2,459,001, Jan. 11.
Pagliuso, Robert J., Glendale, Calif. Panoramic tilting tripod head. 2,458,872, Jan. 11.
Pahl, Frederic C.: *See*—
Lewis, William L., and Pahl.
Palko, Andrew, Spring Valley, N. Y. Pan type oil gasifying burner. 2,458,630, Jan. 11.
Palmer, George B., Grosse Isle, Mich. Material handling apparatus. 2,458,915, Jan. 11.
Palmer, James C.: *See*—
Luzzatto, Ferdinand, and Palmer.
Parisi, Anthony J.: *See*—
Parisi, Priscilla M.
Parisi, Priscilla M. and A. J., Cohoes, N. Y. Incandescent lamp socket. 2,458,724, Jan. 11.
Park, Joseph D.: *See*—
Benning, Anthony F., Park, and Krabler.
Parker Appliance Company, The, assignee: *See*—
Hull, Henry E., and Takacs.
Parker, Arthur L.
Parker, Arthur L., and Hartley.
Wolfram, John M.
Parker, Arthur L., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,458,874, Jan. 11.
Parker, Arthur L., and E. C. Hartley, assignors to The Parker Appliance Company, Cleveland, Ohio. Indexing mechanism for valves. 2,458,873, Jan. 11.
Parker, Robert P., and R. F. Reeves, Somerville, and R. C. Conn, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of acylnitroarylides. 2,459,002, Jan. 11.
Parks, Asbury S., Houston, Tex. Drill stem tester. 2,458,631, Jan. 11.
Parmelee, William E., assignee, et al.: *See*—
Gard, Arthur W.
Parsons, J. Howard, Oak Ridge, Tenn., assignor to the United States of America as represented by the United States Atomic Energy Commission. Ionisation chamber. 2,458,632, Jan. 11.
Peles, Julius S., New York, N. Y. Birdproofing. 2,458,727, Jan. 11.
Pennsylvania Railroad Company, The, assignee: *See*—
Steins, Carleton K.
Periman, Glenn W., Los Angeles, Calif. Pliers. 2,458,725, Jan. 11.
Permoflux Corporation, assignee: *See*—
Gilman, Wayne H.
Peter, Gustave C., Wauwatosa, Wis. Combined baffle and oil supply means for oil barriers. 2,458,916, Jan. 11.
Peterson, Carl D., A. H. Deimel, and C. H. Wolcott, assignors to Dana Corporation, Toledo, Ohio. Slip clutch power take-off unit. 2,459,092, Jan. 11.
Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Angle drive torque converter transmission. 2,459,093, Jan. 11.
Peterson, Carl D., and A. H. Deimel, assignors to Dana Corporation, Toledo, Ohio. Transmission mechanism. 2,459,094, Jan. 11.
Peterson, Donald W., Princeton, N. J., assignor to Radio Corporation of America. Indicating device. 2,458,634, Jan. 11.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Pulse system. 2,458,633, Jan. 11.
Pfeiffer, Adolph, Chicago, Ill. Music box. 2,458,875, Jan. 11.
Philco Corporation, assignee: *See*—
Schreiner, Louis W., and Leonard.
Philips Laboratories, Inc., assignee: *See*—
Boyle, Homer G.
Phillips Petroleum Company, assignee: *See*—
Hepp, Harold J., and Sailors.
Pierce, Robert J.: *See*—
Fruth, Hal F., and Pierce.
Pigott, Reginald J. S., and E. A. Mori, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Internal gear pump and compressor. 2,458,958, Jan. 11.
Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Pneumatic variable torque transmission. 2,458,726, Jan. 11.
Pirs, Joseph J., Flushing, N. Y. Construction form for concrete floors. 2,459,044, Jan. 11.
Pitt, Paul A., and H. A. Sprenger, assignors to Solar Aircraft Company, San Diego, Calif. Expansion joint for exhaust structures. 2,458,635, Jan. 11.
Pittsburgh-Erie Saw Corporation, assignee: *See*—
Wilson, Henry E., and Wilson.
Plambeck, Louis, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Precipitating polymer from aqueous emulsion. 2,458,636, Jan. 11.
Plhak, Bernadette, La Salle, Ill. Molding toy. 2,458,728, Jan. 11.
Politzer, Irving, New York, N. Y. Book box consisting of accordion folded pages in a box. 2,458,729, Jan. 11.
Ponomareff, Alexander I., Havertown, Pa., assignor, by mesne assignments, to Westinghouse Electric Corporation. Refrigerant compressor. 2,458,730, Jan. 11.
Poor & Company, assignee: *See*—
Chester, Allan C., and Reisinger.
Power Jets (Research & Development) Limited, assignee: *See*—
Kestell, Thomas A.
Prag, Severin A., St. Louis, Mo. Dispensing-display stand. 2,458,797, Jan. 11.
Pratt, Robert H., and J. Q. Underwood, Jr., Narrows, Va., assignors to Celanese Corporation of America. Fluid flow measuring device. 2,458,637, Jan. 11.
Pretner, Daniel A., Fresno, Calif. Shotgun sight. 2,458,638, Jan. 11.
Pride, George H., New York, N. Y. Loading and unloading apparatus for vehicles. 2,459,045, Jan. 11.
Prisco, Julius, Yonkers, N. Y. Mannikin adjustment device. 2,458,917, Jan. 11.
Progressive Welder Company, assignee: *See*—
Zulinski, Edward J., and Barley.
Pyridium Corporation, assignee: *See*—
Friedman, Harris L., and Braitberg.
Quarles, Richard W., Pittsburgh, Pa., assignor to Carbide and Carbon Chemicals Corporation. Vinyl copolymer and its production. 2,458,639, Jan. 11.

Radio Corporation of America, assignee: *See*—
Barth, Jay E.
Bradley, George G.
Bradley, George G., and Mohr.
Dow, Orville B.
Evans, John.
Greenough, Maurice L.
Hastings-Hodgkins, Horace W.
Mesner, Max H.
Peterson, Donald W.
Peterson, Harold O.
Rettinger, Michael, and Singer.
Schade, Otto H.
Radio Patents Corporation, assignee: *See*—
Rath, Karl.
Radsinsky, Harry, and S. W. Dean, Jr., assignors: *See*—
Crockford, Joseph B.
Rasmussen, Herbert E.: *See*—
Kellett, John, III, and Rasmussen.
Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Electrical follow-up apparatus. 2,458,731, Jan. 11.
Rathbun, John P., Prospect Park, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat exchange apparatus. 2,459,095, Jan. 11.
Raubitschek, Frederick, Ealing, London, England. Method and machine for combing cotton and other textile fibers. 2,458,732, Jan. 11.
Ray, Frederick E., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Method and apparatus for fluid hydrocarbon conversion. 2,459,096, Jan. 11.
Raytheon Manufacturing Company, assignee: *See*—
Klemperer, Hans, and Huntley.
Spencer, Percy L.
Rea, Thomas, Detroit, Mich. Sun visor. 2,458,918, Jan. 11.
Reeves, Richard F.: *See*—
Parker, Robert P., Reeves, and Conn.
Regents of the University of Michigan, The, assignee: *See*—
Firestone, Floyd A.
Reget, George, New Rochelle, N. Y. Positive brake or arresting means. 2,458,733, Jan. 11.
Rehberg, Chessie E., Glenside, and C. H. Fisher, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Acrylic esters of ether-alcohols. 2,458,888, Jan. 11.
Rehm, Frank J., Jr., Elmwood Park, assignor to Sittler Manufacturing Corp., Chicago, Ill. Electric swivel connection. 2,459,116, Jan. 11.
Rehn, Anna, New York, N. Y. Eye spray. 2,458,876, Jan. 11.
Reiber, Albert H., deceased, by E. Y. Reiber, Evanston, executrix, assignor to Teletype Corporation, Chicago, Ill. Mechanical ciphering system. 2,458,734, Jan. 11.
Reiber, Emily Y.: *See*—
Reiber, Albert H. and E. Y.
Reichold, Ludwig, Winsted, assignor to The Silex Company, Hartford, Conn. Automatic coffee maker. 2,458,640, Jan. 11.
Reifel, Harry, Waltham, assignor, by mesne assignments, to Stevens-Arnold, Inc., Boston, Mass. Electric pressure and deflection gauge. 2,458,735, Jan. 11.
Reintjes, George P., Kansas City, Mo. Baffle for water tube boilers. 2,458,798, Jan. 11.
Reisinger, Frederick F.: *See*—
Chester, Allan E.
Renard, Roland E., San Francisco, Calif., assignor to American Can Company, New York, N. Y. Mechanism for clinching covers onto cans. 2,458,529, Jan. 11.
Resnick, David, Los Angeles, Calif. Combing and brushing attachment for sadirons. 2,458,530, Jan. 11.
Rettinger, Michael, Encino, and K. Singer, North Hollywood, Calif., assignors to Radio Corporation of America. Method and apparatus for controlling frequency characteristics in sound recording. 2,458,641, Jan. 11.
Reynolds, Charles H., assignor of forty-nine per cent to P. Girman, Donora, Pa. Auto tire chain ring. 2,458,642, Jan. 11.
Reynolds, Orr E., Washington, D. C., and L. G. Goff, Midway Island, Va. Portable device for continuous pressure politserisation. 2,458,959, Jan. 11.
Rieke, John W., Astoria, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Negative feedback amplifier. 2,459,046, Jan. 11.
Riggen, Theodore K.: *See*—
Dickey, John W., Henry, and Riggen.
Riley, Earl W., Pontiac, Mich. Bracket for drapery fixtures. 2,458,643, Jan. 11.
Ringer, Robert L., Jr., and C. E. Smith, assignors to The Taylor-Winfield Corporation, Warren, Ohio, Electronic control system utilising automatic phase shift. 2,458,644, Jan. 11.
Roark, Elmer M., Shreveport, La. Standing valve release mechanism. 2,459,008, Jan. 11.
Roblin, Richard O., Jr.: *See*—
Miller, Wilbur H., and Roblin.
Rockwell, Edward A., Cleveland, Ohio. Self-contained hydraulic servo mechanism. 2,458,736, Jan. 11.
Roethel, Bruno E., Cranford, and W. G. Scharmann, Westfield, N. J., assignors to Standard Oil Development Company. Apparatus for reactions requiring short contact time. 2,458,960, Jan. 11.
Rogers, Robert W., Barrington, and C. C. Blanch, Providence, R. I., assignors to Scott Testers, Inc. Pawl release for pendulum arms of testing machines. 2,459,134, Jan. 11.
Rogoff, Julian, New Rochelle, N. Y., assignor to Brandy Engineering Company, Inc. Preinsulated aerial cable tap connector. 2,459,004, Jan. 11.
Ronci, Victor L.: *See*—
Jonas, Herbert C., Laico, and Ronci.
Ronson Art Metal Works, Inc., assignee: *See*—
Meyer, Frederick.
Root, Lin, Boston, Mass. assignor, by mesne assignments, of one-half to Burens Products, Inc., New York, N. Y. Pad and pocket therefor. 2,458,646, Jan. 11.
Rose, Walter D., Tulsa, Okla., assignor to Standard Oil Development Company. Photographic developing method and apparatus. 2,458,877, Jan. 11.
Rosenberg, Samuel, and S. Padwe, Newark, N. J. Imbedded metal band. 2,458,645, Jan. 11.
Rottschaefer, Bernard W., East Greenbush, assignor to General Aniline & Film Corporation, New York, N. Y. Purification of carbazole. 2,459,135, Jan. 11.
Rowan, Timothy J.: *See*—
Dyer, John R., Jr., and Rowan.
Ruben, Samuel, New Rochelle, N. Y. Alkaline primary cell. 2,458,878, Jan. 11.
Rucker, John T., Lewiston, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Corrosion retarder. 2,459,119, Jan. 11.
Rudd, Gene C., and C. B. Wright, Fort Worth, Tex. Pump for evaporative air coolers or the like. 2,459,097, Jan. 11.
Russell Manufacturing Company, assignee: *See*—
Masbruch, Henry.
Rust, John D., Memphis, Tenn. Automatic stop for cotton harvesters. 2,458,531, Jan. 11.
Sacks, Joseph A.: *See*—
Owenby, Paul and F., and Sacks.
Saf-Mont, Inc., assignee: *See*—
Healy, Thomas F.
Sailors, Howard R.: *See*—
Hepp, Harold J., and Sailors.
Salkowitz, Mortimer B., Brooklyn, N. Y. Shock-proof bottle container. 2,458,737, Jan. 11.
Sampson, Frederick W., Dayton, Ohio, and G. J. Hyde, Brooklyn, N. Y., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Cocking bolt of machine guns. 2,458,647, Jan. 11.
Sandos Limited, assignee: *See*—
Grandjean, Philippe.
Sanford, Hugh W., Knoxville, Tenn., assignor to The Sanford Investment Company, Wilmington, Del. Latch tripping mechanism. 2,458,738, Jan. 11.
Sanford Investment Company, The, assignee: *See*—
Sanford, Hugh W.
Sargent & Company, assignee: *See*—
Voight, Henry G.
Sattler, Edward J., Mineral City, Ohio. Vehicle unloading construction. 2,458,799, Jan. 11.
Saunders, Robert P., Rochester, N. Y. Photographic enlarging easel. 2,458,648, Jan. 11.
Savoie, Mark E., Cleveland, Ohio. Mechanical pencil with lead storage unit. 2,458,739, Jan. 11.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Color television. 2,458,649, Jan. 11.
Schafer, Robert A., assignor to National Automatic Tool Company, Inc., Richmond, Ind. Multiple spindle machine tool. 2,458,740, Jan. 11.
Scharf, David B., Bradford, Pa., assignor to Dresser Industries, Inc. Method and apparatus for electric arc welding. 2,459,047, Jan. 11.
Scharmann, Walter G.: *See*—
Roethel, Bruno E., and Sharmann.
Schenk, Abraham, Brooklyn, N. Y. Manufacture of integral, three-dimensional, self-erecting illustrations. 2,458,879, Jan. 11.
Schlecht, Charles F.: *See*—
McGary, Frank E., Hochreiter, Schlecht, and Shannon.
Schlesinger, Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Cathode-ray tube circuit. 2,458,532, Jan. 11.
Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Preparation of methoxy acetic acid. 2,458,741, Jan. 11.
Schoenlaub, Robert A., Tiffin, assignor to Basic Refractories, Inc., Cleveland, Ohio. Magnesia refractory. 2,458,533, Jan. 11.
Schreiner, Louis W., and E. V. Leonard, assignors, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Coaxial line generator. 2,458,650, Jan. 11.
Schroeder, Earle E.: *See*—
Lipe, Bruce E., and Schroeder.
Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Drop-out fuse construction. 2,458,742, Jan. 11.
Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Drop-out fuse construction. 2,458,743, Jan. 11.

Stevens, Elbert M.: *See*—

Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Supporting strut. 2,458,808, Jan. 11.

Schultz, William O., South Milwaukee, assignor to Line Material Company, Milwaukee, Wis. Automatic switch construction. 2,458,800, Jan. 11.

Schuls, Herman B., Chicago, Ill., assignor to Carnegie-Illinois Steel Corporation. Producing low carbon chromium steels. 2,458,651, Jan. 11.

Schwan, Joe F., assignee: *See*—
Garrison, Harry A.

Schwartz, Benjamin and E. H., Brooklyn, N. Y. Mold injection head. 2,459,048, Jan. 11.

Schwartz, Eugene H.: *See*—
Schwartz, Benjamin and E. H.

Schwartz, Louis K., East Orange, N. J., assignor, by mesne assignments, to Knapp-Monarch Company, St. Louis, Mo. Electrically energizable fabric. 2,458,801, Jan. 11.

Schwerin, Frank H., assignor to The Duff-Norton Manufacturing Company, Pittsburgh, Pa. Hydraulic jack. 2,458,744, Jan. 11.

Schwerin, Paul, White Plains, assignor to Sonotone Corporation, Elmsford, N. Y. Vibration suppressing suspension for tensioned filaments of electron space charge devices. 2,458,534, Jan. 11.

Scientific Research and Development, The United States of America as represented by the Executive Secretary of the Office of: *See*—
Volkmann, John.

Sconce, James S., and A. N. Johnson, assignors to Hooker Electrochemical Company, Niagara Falls, N. Y. Photochemical chlorination of hydrocarbons. 2,459,049, Jan. 11.

Scott Testers, Inc., assignee: *See*—
Rogers, Robert W., and Blanch.

Sears, Raymond W., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge apparatus. 2,458,852, Jan. 11.

Sebok, Frank: *See*—
Sebok, Joseph B. and F.

Sebok, Joseph B. and F., assignors to Houdaille-Hershey Corporation, Detroit, Mich. Air cleaner. 2,458,745, Jan. 11.

Sedille, Marcel H. L.: *See*—
Imbert, Roger J., and Sedille.

Seeburg, N. Marshall, assignee: *See*—
Andrews, Edward F.

Seybold, René, Strasbourg-Meinau, France. Double valve for accordions and like musical instruments. 2,458,653, Jan. 11.

Shannon, Frank: *See*—
McGary, Frank E., Hochreiter, Schlecht, and Shannon.

Shappirio, Sol, Washington, D. C. Modified hydrocarbon compositions and petroleum distillates. 2,458,535, Jan. 11.

Shearman, Spicer D., assignor to The Aro Equipment Corporation, Bryan, Ohio. Pipe joint. 2,459,005, Jan. 11.

Shell Development Company, assignee: *See*—
Cole, Robert M.

Shellmar Products Corporation, assignee: *See*—
De Swart, Jan.

Shelton, Edward E., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Cathode-ray tube. 2,458,962, Jan. 11.

Sherman, C. Lawrence, Cherry Valley, assignor of one-half to J. E. Tabor, Belvidere, Ill. Wire terminal loop former. 2,458,536, Jan. 11.

Shields, Charles B., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuits. 2,458,746, Jan. 11.

Shoemaker, J. H., assignee: *See*—
Webster, Hugh G.
Webster, Hugh G., and Falter.

Silex Company, The, assignee: *See*—
Reichold, Ludwig.

Simmons, Lovel R., Jackson, Miss. Weight transferring vehicle coupling or hitch structure. 2,459,098, Jan. 11.

Sinclair Refining Company, assignee: *See*—
Watson, Kenneth M.

Singer, Kurt: *See*—
Rettinger, Michael, and Singer.

Singer Manufacturing Company, The, assignee: *See*—
Happe, Reynold.

Singley, Fred A., Detroit, Mich., assignor to Acme Steel Company, Chicago, Ill. Device for attaching metal baling ribbons to anchorage plates. 2,458,747, Jan. 11.

Sirco A.-G., assignee: *See*—
Kohler, Alfred.

Sittler Manufacturing Corp., assignee: *See*—
Rehm, Frank J., Jr.

Skelly, James J., Cleveland Heights, Ohio. Flexible wall structure. 2,458,537, Jan. 11.

Skog, Henry A.: *See*—
Ewald, Raymond L.

Slayton, John W., Jr., Pittsburgh, Pa. Tool. 2,458,880, Jan. 11.

Slifkin, Sam C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Dry developing negative. 2,459,136, Jan. 11.

Smith, A. L., Iron Company, assignee: *See*—
Kruger, Michael H.

Smith, Clyde E.: *See*—
Ringer, Robert L., Jr., and Smith.

Smith, Earl K., Montrose, Pa. Temporary lift for bifocal spectacles. 2,459,061, Jan. 11.

Smith, Edwin G.: *See*—
Morton, William A.

Smith, Elmo D.: *See*—
Smith, Kenneth L. and E. D.

Smith, Kenneth L. and E. D., Eufaula, Okla. Running gear assembly for trailer wagons. 2,459,060, Jan. 11.

Smith, Richard J., Manchester, England, assignor to Imperial Chemical Industries Limited. Mixed glycol terephthalate yarn, process, and composition for producing same. 2,459,052, Jan. 11.

Snyder, Charles A., Philadelphia, Pa. Telescoping tube screw jack. 2,458,961, Jan. 11.

Societa Tecnica Applicazioni Metalli Duri Ed Affini-S. T. A. M. A., assignee: *See*—
Marter, Hans.

Societe Anonyme Andre Citroen, assignee: *See*—
Lavesque du Rostu, Georges.

Societe Anonyme Solex, assignee: *See*—
Griffin, Gaston.

Societe Rateau (Societe Anonyme), assignee: *See*—
Imbert, Roger J., and Sedille.

Socke, John E., Pelham Manor, assignor to American Can Company, New York, N. Y. Cutting blanks. 2,458,538, Jan. 11.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Bergstrom, Eric V.
Carmody, Don R.
Hartough, Howard D., and Kosak.
Kellett, John, III, and Rasmussen.
Kinney, Robert E., and Gorin.
Kosak, Alvin I., and Hartough.
Oberright, Edward A.
Otto, Ferdinand P., and Meyer.
Ray, Frederick E.

Solar Aircraft Company, assignee: *See*—
Bitt, Paul A., and Sprenger.

Solar Corporation, assignee: *See*—
Martin, Harry J.

Soller, Walter, Cincinnati, Ohio, assignor of one-half to W. H. Woodin, Jr., San Mateo, Calif. Secondary electron emission tube. 2,458,539, Jan. 11.

Sonotone Corporation, assignee: *See*—
Schwerin, Paul.

Southworth, George C., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. System for and utilizing microwave radiation from the sun. 2,458,654, Jan. 11.

Sova, Clarence, Windsor, Ontario, Canada. Tie rack. 2,459,006, Jan. 11.

Sowa, Frank J., Cranford, N. J. Case-hardening metals. 2,458,655, Jan. 11.

Special Equipment Company, assignee: *See*—
Ewald, Raymond L., and Skog.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Magnetron assembly and method. 2,458,802, Jan. 11.

Sperry Products, Inc., assignee: *See*—
Fireston, Floyd A., and Frederick.

Spraragen, Louis, assignor to Bridgeport Fabrics, Inc., Bridgeport, Conn. Method of making weather strips. 2,459,120, Jan. 11.

Sprenger, Harold A.: *See*—
Pitt, Paul A., and sprenger.

Springer, Horace S.: *See*—
Tuve, Richard L., Fogelberg, Brinnick, and Springer.

Stahl, William F., assignee: *See*—
Collins, Fred V.

Stahl, William H., Jr.: *See*—
Cowherd, Robert D., and Stahl.

Stamets, William K., assignee: *See*—
Hibbard, Robert L.

Standard Oil Company, assignee: *See*—
Johnson, Carl E.

Standard Oil Development Company, assignee: *See*—
Bruce, William A.
Elmore, Norman M., and Gessler.
Fischer, Wilbur F.
Krebs, Robert W.
Martin, Homer Z.
Ogorsaly, Henry J.
Roethell, Bruno E., and Sharmann.
Rose, Walter D.
Young, David W.
Yowell, Howard L., and Morrell.

Steins, Carleton K., Merion, assignor to The Pennsylvania Railroad Company, Philadelphia, Pa. Bearing shunt means. 2,459,099, Jan. 11.

Stelzer, William, East Orange, N. J. Combined power and manually operated brake booster. 2,458,803, Jan. 11.

Steuer, Milton, San Francisco, Calif. Fishing rod holder. 2,458,881, Jan. 11.

Stevens-Arnold, Inc., assignee: *See*—
Crandell, Ervin L.
Reifel, Harry.

Stevens, Elbert M.: *See*—
Blumberg, Hamilton G., and Blumberg.

Stevens, Frederick A., Providence, R. I. Detachable bridge-brace-bar spectacle construction. 2,458,963, Jan. 11.

Stevenson, Harold E., Long Beach, Calif. Cambric and linen tape dispenser. 2,458,964, Jan. 11.

Stewart-Warner Corporation, assignee: *See*—
Mesa, Joseph O.
Williams, Lynn A., Jr.

Stoddard, Charlee R., assignee: *See*—
Walling, Lawrence J.

Stoner, Richard G., and C. W. Lampson, Princeton, N. J., assignors to the United States of America as represented by the Secretary of War. Timing device for high-speed motion-picture cameras. 2,458,882, Jan. 11.

Stupakoff Ceramic & Manufacturing Company, assignee: *See*—
Stupakoff, Semon H.

Stupakoff, Semon H., assignor to Stupakoff Ceramic & Manufacturing Company, Latrobe, Pa. Hermetic seal for electric terminals and the like. 2,458,748, Jan. 11.

Suddath, Henry N., Watertown, N. Y., assignor to The New York Air Brake Company. Variable load brake. 2,458,965, Jan. 11.

Sullivan, Raymond L.: *See*—
Nave, David T., and Sullivan.

Sundt, Edward V., Arcadia, Calif. Circuit protector. 2,458,804, Jan. 11.

Synerholm, Martin E., Hastings on Hudson, N. Y., assignor to Boyce Thompson Institute for Plant Research, Inc. Esters of piperonyl chrysanthemum carboxylic acid. 2,458,656, Jan. 11.

Tabor, Joe E., assignee: *See*—
Sherman, C. Lawrence.

Tabor Manufacturing Company, The, assignee: *See*—
Eastwood, Abraham B.

Takacs, Paul L.: *See*—
Hull, Henry E., and Tackacs.

Tanner, Charles H., Venita Park, assignor to McDonnell Aircraft Corporation, St. Louis, Mo. Self-contained die set with automatic stamping and/or punching removing means. 2,459,053, Jan. 11.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush roll for suction cleaners. 2,459,007, Jan. 11.

Taylor, Henry G., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., trustee. Apparatus for measuring electrical resistance. 2,458,805, Jan. 11.

Taylor, Taylor & Hobson Limited, assignee: *See*—
Cox, Arthur.

Taylor-Winfield Corporation, The, assignee: *See*—
Ringer, Robert L., Jr., and Smith.

Technical Apparatus Company, assignee: *See*—
Hanopol, Louis.

Teletype Corporation, assignee: *See*—
Reiber, Albert H. and E. Y.

Texas Company, The, assignee: *See*—
Hersog, Gerhard.
Towne, Charles C.

Thompson, Boyce Institute for Plant Research, assignee: *See*—
Synerholm, Martin E.

Thompson Products, Inc., assignee: *See*—
Doubrava, Eugene N.
Johnson, Paul P.
Marencik, William J., and Ahlf.

Thomson, William B., Boston, Mass. Apparatus for approximately squaring circles. 2,458,749, Jan. 11.

Time Oil Co., assignee: *See*—
Miller, Charles E.

Timken Roller Bearing Company, The, assignee: *See*—
Barnbrook, Thomas G.

Tippett, James C., Brockton, Mass. Receptacle cover pry-off tool. 2,458,806, Jan. 11.

Toledo Scale Company, assignee: *See*—
Hem, Halvor O.

Torrence, George W., and W. A. Calkins, Peoria, Ill. Card index of the rotary type. 2,458,657, Jan. 11.

Towne, Charles C., Beacon, assignor to The Texas Company, New York, N. Y. Fatty acid separation. 2,459,054, Jan. 11.

Transit Research Corporation, assignee: *See*—
Piron, Emil H.

Tratsch, Walter A., Chicago, Ill. Ratchet-operating means. 2,459,008, Jan. 11.

Trepp, Samuel G., Dedham, assignor to Bird & Son, inc., East Walpole, Mass. Removable floor or wall covering. 2,458,750, Jan. 11.

Treuting, Frank L., assignor to H. R. Treuting, Sr., Newark, N. J. Articulate figure. 2,459,100, Jan. 11.

Treuting, Herbert R., Sr., assignee: *See*—
Treuting, Frank L.

Trogman, William, Chicago, Ill. Box and package handle. 2,458,883, Jan. 11.

Tucker, John W., Peotone, assignor to Hopax Industries, Inc., Chicago, Ill. Thermostatic switch. 2,458,807, Jan. 11.

Turbo Engineering Corporation, assignee: *See*—
Birmann, Rudolph.

Turnbull, Glen O., Rock Island, Ill., assignor to International Harvester Company. Supporting strut. 2,458,808, Jan. 11.

Tuve, Richard L., Silver Spring, Md., J. M. Fogelberg, F. E. Brinnick, Washington, D. C., and H. S. Springer, Homestead, Fla. Shark repellent. 2,458,540, Jan. 11.

Twardowski, Zygfred A., East Detroit, Mich. Hose coupling valve. 2,458,809, Jan. 11.

Tyrner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Electric arc welding. 2,458,658, Jan. 11.

Uhrmacher, Ralph R., assignor to Wilson-Jones Company, Chicago, Ill. Back gauge for punches. 2,459,101, Jan. 11.

Underwood, James Q., Jr.: *See*—
Pratt, Robert H., and Underwood.

Union Switch & Signal Company, The, assignee: *See*—
Shields, Charles B.

United Shoe Machinery Corporation, assignee: *See*—
Bertrand, Frederic E., and Clark.
Holmgren, Eric A.

United States Atomic Energy Commission, the United States of America as represented by the, assignee: *See*—
Parsons, Howard.

United States Gypsum Company, assignee: *See*—
Willey, Grant S., and Frost.

United States Rubber Company, assignee: *See*—
Howland, Louis H.

United States Steel Corporation of Delaware, assignee: *See*—
King, Clarence D., and Nielsen.

Universal Oil Products Company, assignee: *See*—
Fenske, Ellsworth R.
Schmerling, Louis.
Watson, Charles C.

Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity oil burner. 2,458,541, Jan. 11.

Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity oil and gas burner. 2,458,542, Jan. 11.

Urquhart, Norman J., Scenery Hill, Pa., assignor to Combustion Processes Company. Low velocity gas burner. 2,458,543, Jan. 11.

Varney, Kenneth W., and H. D. Allen, East Hampton, Conn. Aviator's belt. 2,458,810, Jan. 11.

Vickers-Armstrongs Limited, assignee: *See*—
Naylor, Joshua C.
Wallis, Barnes N.

Vingerhoets, Antonius W., and H. Nieuwdorp, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Discharge device for voltage measurement. 2,458,659, Jan. 11.

Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Antijimmy tubular lock. 2,458,751, Jan. 11.

Volkmann, John, Cambridge, Mass., assignor to the United States of America as represented by the Executive Secretary of the Office of Scientific Research and Development, and The President and Fellows of Harvard College. Ear protector valve. 2,458,884, Jan. 11.

Von Koscielski, George, San Diego, Calif., assignor to Langley Corporation. Fish measuring tape. 2,458,811, Jan. 11.

Waldelich, James R., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Tappet-actuating member. 2,458,752, Jan. 11.

Waldrop, Jefferson P., Arlington, Va. Game board and playing pieces for a chance controlled game. 2,458,966, Jan. 11.

Wallace, Frank C., North Hollywood, Calif. Boring head. 2,458,753, Jan. 11.

Wallace, Frank C., North Hollywood, assignor to Monogram Manufacturing Company, Los Angeles, Calif. Handle device. 2,458,754, Jan. 11.

Wallace, James M., Jr.: *See*—
Cox, Fred W., and Wallace.

Wallen, Gerald J., San Francisco, Calif. Dressing tool for grinding wheels. 2,458,812, Jan. 11.

Waller, Gustav M., Dundee, assignor to Burgess-Norton Manufacturing Company, Geneva, Ill. Center guide tread member for endless tracks. 2,458,755, Jan. 11.

Walling, Lawrence J., Keyport, N. J., assignor of one-fifth to C. R. Stoddard, New York, and one-fifth to R. Harding, Jr., Elmsford, N. Y. Buff and making the same. 2,459,055, Jan. 11.

Wallis, Barnes N., Weybridge, assignor to Vickers-Armstrongs Limited, London, England. Aircraft body and wing arrangement. 2,459,009, Jan. 11.

Wanzer, Arthur W., assignor to Murray & Tregurtha, Inc., Quincy, Mass. Outboard propeller mechanism for barges, scows, and the like. 2,458,813, Jan. 11.

War, The Government of the United States of America, as represented by the Secretary of, assignee: *See*—
Byrne, John F.
Cady, Willoughby M.
Etten, Nicholas L.
Sampson, Frederick W., and Hyde.
Stoner, Richard G., and Lampson.

Warren, Clifford A., Watchung, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive antenna system. 2,458,885, Jan. 11.

Warren, Pat, Fort Worth, Tex. Tube testing apparatus. 2,458,814, Jan. 11.

Warren Webster & Company, assignee: *See*—
Fitz Gerald, Alan S.

Wilson, Henry E. and G. W., Grand Junction, Colo., assignors to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Method and apparatus for wrapping saw blades or the like. 2,458,971, Jan. 11.

LIST OF REISSUE INVENTIONS

Warren, Pat, Fort Worth, Tex. Tube testing apparatus. 2,458,814, Jan. 11.
Warren Webster & Company, assignee: *See*—
Fitz Gerald, Alan S.
Watson, Charles C., Evanston, assignor to Universal Oil Products Company, Chicago, Ill. Controlling and equalizing tube temperatures. 2,458,756, Jan. 11.
Watson, Kenneth M., Madison, Wis., assignor to Sinclair Refining Company, New York, N. Y. Gas-solid contacting apparatus. 2,459,056, Jan. 11.
Watson, Thomas S., Milwaukee, Wis., assignor to Zephyr Laundry Machinery Company, Chicago, Ill. Timer for folding apparatus. 2,458,544, Jan. 11.
Webster, Hugh G., Detroit, Mich. Preserving the effectiveness of a metal cleaning bath. 2,458,662, Jan. 11.
Webster, Hugh G., assignor to J. H. Shoemaker, Detroit, Mich. Molten salt baths. 2,458,663, Jan. 11.
Webster, Hugh G., Detroit, Mich., assignor to J. H. Shoemaker. Making composite metal articles. 2,458,660, Jan. 11.
Webster, Hugh G., and C. L. Falter, assignors to J. H. Shoemaker, Detroit, Mich. Cleaning metal surfaces and compositions therefor. 2,458,661, Jan. 11.
Weeldenburg, Johannes G., Velp, Netherlands, assignor to American Enka Corporation, Enka, N. C. Bonding cellulosic materials to rubber and composite products formed therefrom. 2,458,886, Jan. 11.
Weiland, John N., assignor to The Cleveland Punch & Shear Works Co., Cleveland, Ohio. Fluid actuated clutch and brake mechanism. 2,458,664, Jan. 11.
Western Electric Company, Incorporated, assignee: *See*—
Brooks, Percy E.
Westinghouse Electric Corporation, assignee: *See*—
Blanchard, Charles E., and Ferre.
Buchanan, Leslie B. M.
Gayer, George F.
Hagne, Floyd T.
McCloy, Graham S.
Ponomareff, Alexander I.
Rathbun, John P.
Taylor, Charles H.
Weston Electrical Instrument Corporation, assignee: *See*—
Gilbert, Roswell W.
Kuns, Miles C.
Weyandt, Carl S., Homer City, Pa. Permanent magnet vibratory motor. 2,458,545, Jan. 11.
Wheeler, Ralph F., Springfield, and E. J. Marciniak, Easthampton, assignors to A. G. Spalding & Bros. Inc., Chicopee, Mass. Golf club. 2,458,920, Jan. 11.
Whitin Machine Works, assignee: *See*—
Helland, Sigurd H.
Widdicomb, John, Company, assignee: *See*—
Herts, Jack H. B.
Wiedenhoeft, Arthur E., Chicago, Ill., assignor, by mesne assignments, to Mitchell Manufacturing Company. Support for adjustable lighting fixtures. 2,458,967, Jan. 11.
Willard, Gerald W., Fanwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Method of and apparatus for measuring pressure. 2,458,665, Jan. 11.
Willey, Grant S., Chicago, and O. W. Frost, Highland Park, assignors to United States Gypsum Company, Chicago, Ill. Acoustical tile. 2,459,121, Jan. 11.
Williams, Chester, Ypsilanti, Mich. Trailer dolly. 2,458,666, Jan. 11.
Williams, Chester, Ypsilanti, Mich. Trailer hitch. 2,458,667, Jan. 11.
Williams, Harry E., Chicago, Ill. Amusement game apparatus. 2,459,011, Jan. 11.
Williams, Leo L.: *See*—
Gordon, Le Roy, and Williams.
Williams, Louis B., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. High-pressure lubricatnig unit. 2,459,010, Jan. 11.
Williams, Lynn A., Jr., Northfield, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill. Internal-combustion heater having means to prevent fuel contamination of the ventilating air. 2,458,968, Jan. 11.
Wilson, Gerald W.: *See*—
Wilson, Henry E., and Wilson.
Wilson, Henry E. and G. W., Grand Junction, Colo., assignors to Pittsburgh-Erie Saw Corporation, Pittsburgh, Pa. Method and apparatus for wrapping saw blades or the like. 2,458,971, Jan. 11.
Wilson, Jack C., Garden City, N. Y. Mystery toy or puzzle. 2,458,969, Jan. 11.
Wilson, Jack C., Garden City, N. Y. Mystery toy or puzzle. 2,458,970, Jan. 11.
Wilson-Jones Company, assignee: *See*—
Uhrmacher, Ralph R.
Wingfoot Corporation, assignee: *See*—
Cheney, LaVerne E.
Clifford, Albert M.
Cox, Fred W., and Wallace.
Winkler, Julius, Detroit, Mich. Tool handle connection. 2,458,815, Jan. 11.
Winograd, Harold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vapor electric device with cooling coil serving as heating resistor. 2,459,057, Jan. 11.
Winters, Russell H., assignor to The Larsen Company, Green Bay, Wis. Bar screen grader for carrots and vegetables having like tapering forms. 2,458,887, Jan. 11.
Woehrel, Marie, New York, N. Y. Steriliser for barber shops and beauty parlors. 2,458,757, Jan. 11.
Wolcott, Carl H.: *See*—
Peterson, Carl D., Deimel, and Wolcott.
Wolf Brothers, assignee: *See*—
Wolf, Howard A.
Wolf, Elias, assignee, et al.: *See*—
Wolf, Howard A.
Wolf, Howard A., Philadelphia, Pa., assignor to E. H. A. and W. L. Wolf, copartners trading as Wolf Brothers. Making a bag having a filler mouthpiece in one end. 2,458,972, Jan. 11.
Wolf, Walter L., assignee, et al.: *See*—
Wolf, Howard A.
Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,458,817, Jan. 11.
Wood, Russell A., Cambridge, Mass. Skill device. 2,458,668, Jan. 11.
Woodberry, John H., and F. W. Hoewischer, Metuchen, N. J. Apparatus for discharging from feed chutes improperly oriented cartridges. 2,458,546, Jan. 11.
Woodin, Jr., William H., assignee: *See*—
Soller, Walter.
Woods, Ralph A., Morgantown, Ind. Tandem axle construction for trucks. 2,458,816, Jan. 11.
Worth, Weldon, Dayton, Ohio. Valve for oil temperature control units. 2,458,547, Jan. 11.
Wright, Cornelius B.: *See*—
Rudd, Gene C., and Wright.
Yeamans, Wilfred H., Plainville, Conn. Spring balance. 2,458,669, Jan. 11.
York Corporation, assignee: *See*—
Groat, Keith P.
Young, David W., Roselle, N. J., assignor to Standard Oil Development Company. Solid catalyst treatment of gaseous hydrocarbons. 2,458,818, Jan. 11.
Young, John, Jr., Southgate, Calif., assignor to Hughes Tool Company, Houston, Tex. Tube support. 2,458,670, Jan. 11.
Yowell, Howard L., Elizabeth, and C. E. Morrell, Westfield, N. J., assignors to Standard Oil Development Company. Purifying alkyl halides. 2,458,819, Jan. 11.
Zephyr Laundry Machinery Company, assignee: *See*—
Watson, Thomas S.
Zimmermann, Maximilian E., assignor to F. O. Martin, Los Angeles, Calif. Multiple hanger. 2,458,820, Jan. 11.
Zirbel, Carl J., Montesuma, Iowa. Bait applicator. 2,458,671, Jan. 11.
Zoch, Lawrence L., Jr., Madison, Wis. Reciprocating cylinder internal-combustion engine. 2,458,672, Jan. 11.
Zoss, Abraham O., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Producing resinous products from acetylene and secondary and tertiary alkyl phenols. 2,459,137, Jan. 11.
Zulinski, Edward J., and R. Barley, assignors to Progressive Welder Company, Detroit, Mich. Apparatus for resistance welding. 2,458,758, Jan. 11.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Concrete corrugated, Precast. A. Henderson. Re. 23,074, Jan. 11.
Control apparatus. W. A. Ray. Re. 23,077, Jan. 11.
Conveyer. B. Woldring and J. R. Sebastian. Re. 23,079, Jan. 11.
Mining machine. L. E. Simmons. Re. 23,078, Jan. 11.
Space discharge tube and electrode therefor. C. P. Boucher. Re. 23,073, Jan. 11.
Valve actuation and control, Plural. E. Pick. Re. 23,076, Jan. 11.
Wheel cover. G. A. Lyon. Re. 23,075, Jan. 11.

LIST OF PLANT INVENTIONS

Apple tree. C. C. Aller. 819, Jan. 11.
Magnolia plant. C. E. Kern. 820, Jan. 11.

LIST OF DESIGN INVENTIONS

Ash tray. J. B. Stier. 152,379, Jan. 11.
Ash tray and coaster, Combination. G. E. Andre. 152,315, Jan. 11.
Automobile. G. M. Buehrig. 152,320, Jan. 11.
Baking unit. J. F. Cavanagh. 152,321, Jan. 11.
Boot or the like, Lady's. R. J. Sherwin. 152,376, Jan. 11.
Bracelet or similar article. A. Philippe. 152,361, Jan. 11.
Brassière. J. J. Lo Cascio. 152,345, Jan. 11.
Brooch or similar article. A. Philippe. 152,366–7, Jan. 11.
Cabinet or the like, Space cooler. J. H. Schreiber. 152,372, Jan. 11.
Cabinet, Record. W. W. Weaver. 152,384, Jan. 11.
Camera back or similar article. C. G. Strang. 152,380, Jan. 11.
Cap, Container. W. N. Connolly. 152,327, Jan. 11.
Chair, High. W. W. Waaranan. 152,383, Jan. 11.
Chair or similar article, Reclining. E. J. Lux. 152,346, Jan. 11.
Chair, Rocking. L. M. J. Foulke. 152,333, Jan. 11.
Clamp. J. Oros and G. R. Dawson. 152,351, Jan. 11.
Cleaning and scraping device, Combined. S. C. Seley. 152,376, Jan. 11.
Coil winding machine. H. W. Moore. 152,350, Jan. 11.
Comparator. H. Rosengren. 152,387, Jan. 11.
Comparator, Optical. H. Rosengren. 152,368, Jan. 11.
Display fixture. H. M. Schick. 152,371, Jan. 11.
Earring or similar article. A. Philippe. 152,358, Jan. 11.
Earring or similar article. A. Philippe. 152,362, Jan. 11.
Earring or similar article. A. Philippe. 152,364–5, Jan. 11.
Electric fan or similar article. C. A. Lindberg. 152,344, Jan. 11.
Electrical-connector body. H. S. Barnhart. 152,315, Jan. 11.
Frame or similar article, Spectacle. M. Schwartz. 152,373, Jan. 11.
Game board, Ball. G. R. Armstrong. 152,314, Jan. 11.
Harp. J. Miller. 152,349, Jan. 11.
Heater for dental impressions or the like, Electric. H. P. Chapman. 152,323, Jan. 11.
Heater, Vehicle. A. G. Bergstrom. 152,316, Jan. 11.
Helicopter. H. E. Lemont, Jr. 152,342, Jan. 11.
Holder, Candle. V. B. Tawresey. 152,382, Jan. 11.
Holder, Flag. C. A. Skinner. 152,378, Jan. 11.
Hood for a power meat cutter. V. G. Biro. 152,317, Jan. 11.
Key retainer, flashlight, and lighter, Combined. R. Zelenka. 152,386, Jan. 11.
Lamp. S. J. Hirshfield. 152,336, Jan. 11.
Lamp and shade, Combined. E. Kehlmann. 152,339, Jan. 11.
Lamp or similar article. S. Lewis. 152,343, Jan. 11.
Mirror. F. A. Marty. 152,347, Jan. 11.
Necklace. W. W. Hobé. 152,337, Jan. 11.
Necklace or similar article. A. Philippe. 152,359–60, Jan. 11.
Necklace or similar article. A. Philippe. 152,363, Jan. 11.
Phonograph. H. F. Wheeler. 152,367, Jan. 11.
Pipe, Smoker's. M. G. Sampson. 152,360, Jan. 11.
Pipe, Smoking. C. W. Booker. 152,319, Jan. 11.
Pulverizer for compost and the like, Power. L. G. Hough and R. J. Collins. 152,338, Jan. 11.
Rack and cigarette holder, Combined ash tray. C. M. Sanders. 152,370, Jan. 11.
Rack, Towel. T. R. Eakins. 152,331, Jan. 11.
Receiver, Television. J. C. Kromhout. 152,341, Jan. 11.
Reflector head for an ultraviolet lamp. J. A. Mehr. 152,348, Jan. 11.
Rug hooker, Hand operated. J. Blumfield. 152,318, Jan. 11.
Scale, Postal. N. Shewitz, P. L. Sloane, and A. Vaikmoras, Jr. 152,377, Jan. 11.
Scarf or similar article. E. Tanzer. 152,381, Jan. 11.
Separator, Cream. H. R. Dilger, S. E. Kline, and T. M. Leonard. 152,329, Jan. 11.
Shoe shining machine. P. De Douglass. 152,328, Jan. 11.
Spray gun, Water. W. M. Cissell. 152,325–6, Jan. 11.
Table, Glass top end. R. A. Dillon. 152,330, Jan. 11.
Tone arm or the like, Phonograph. J. B. Federico. 152,332, Jan. 11.
Trailer. F. D. Hanson, D. D. Arehart, and R. T. Dittmer. 152,334–5, Jan. 11.
Trailer, Vehicle. E. Chapin. 152,322, Jan. 11.
Watch and holder strap therefor, Combined wrist. O. Pennino. 152,352–7, Jan. 11.
Watch box or similar article. R. L. Chipman, Jr. 152,324, Jan. 11.
Wiper arm, Windshield. F. A. Krohm. 152,340, Jan. 11.
Wire stripper. L. H. Score. 152,374, Jan. 11.

LIST OF INVENTIONS

Carbon black, Manufacture of. R. E. Kinney and E. Gorin. 2,458,996, Jan. 11.
Carbon chromium steels, Producing low. H. B. Schuls. 2,458,651, Jan. 11.
Carbon tetrafluoride, Preparation of. A. F. Benning, J. D. Park, and S. E. Krahler. 2,458,551, Jan. 11.
Connection, Spring compression tubing and pipe. R. Carignan. 2,458,833, Jan. 11.
Connection, Tool handle. J. Winkler. 2,458,815, Jan. 11.
Contacting apparatus, Gas-solid. K. M. Watson. 2,459,056, Jan. 11.
Contacting elements, Making electrical. D. G. Blattner.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 11TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acrylic esters of ether-alcohols. C. E. Rehberg and C. H. Fisher. 2,458,888, Jan. 11.
Actuator for toy cash registers, Target release. F. W. Hardick. 2,458,850, Jan. 11.
Acyl-nitroarylides, Preparation of. R. P. Parker, R. F. Reeves, and R. C. Conn. 2,459,002, Jan. 11.
Acylating thiophene with silica-alumina catalyst. A. I. Kosak and H. D. Hartough. 2,458,519, Jan. 11.
Acylating thiophene with silica-hydrous metallic oxide catalyst. A. I. Kosak and H. D. Hartough. 2,458,521, Jan. 11.
Acylation of thiophene. H. D. Hartough and A. I. Kosak. 2,458,512, Jan. 11.
Acylation of thiophene. H. D. Hartough and A. I. Kosak. 2,458,513, Jan. 11.
Acylation of thiophene. A. I. Kosak and H. D. Hartough. 2,458,520, Jan. 11.
Adjusting means for gluing machines. R. A. Page. 2,459,091, Jan. 11.
Adjusting mechanism, Pump and stroke. H. J. Anderson and M. V. Hartman. 2,458,821, Jan. 11.
Adjustment device, Mannikin. J. Prisco. 2,458,917, Jan. 11.
Aerodynamic propelling means operating through direct reaction jet and scavenging. R. J. Imbert and M. H. L. Sédille. 2,458,600, Jan. 11.
Aiding device for self-propelled vehicles, Traction. R. F. MacKay. 2,458,522, Jan. 11.
Air cleaner. J. B. and F. Sebok. 2,458,745, Jan. 11.
Aircraft body and wing arrangement. B. N. Wallis. 2,459,009, Jan. 11.
Alkyl acyloxy acrylates, Preparing. R. D. Babson. 2,459,069, Jan. 11.
Alkyl halides, Purifying. H. L. Yowell and C. E. Morrell. 2,458,819, Jan. 11.
Alloys, Electrodeposition of lead-tin-antimony. J. M. Booe. 2,458,827, Jan. 11.
Alloys, Welding cupro-nickel. C. H. Davis. 2,458,688, Jan. 11.
Aminopyridine compounds. H. L. Friedman and L. D. Braitberg. 2,458,585, Jan. 11.
Ammonia from ore tailings pulp, Recovery of. R. R. Fitzhugh, B. F. Frederick, and B. A. Axelrad. 2,458,902, Jan. 11.
Ammonium compounds, Aliphatic amide-substituted propyl quaternary. P. H. Moss and E. W. Cook. 2,459,088, Jan. 11.
Ammonium compounds, Quaternary. E. W. Cook and P. H. Moss. 2,459,062, Jan. 11.
Amplifier, Negative feedback. J. W. Rieke. 2,459,046, Jan. 11.
Amplifier with direct-current feedback, Direct-coupled. H. J. Grambsch. 2,458,849, Jan. 11.
Antenna system, Directive. C. A. Warren. 2,458,885, Jan. 11.
Antijimmy tubular lock. H. G. Voight. 2,458,751, Jan. 11.
Antioxidants. L. H. Howland. 2,458,780, Jan. 11.
Antiskid mechanism and wheel jack, Vehicle. A. Cohen. 2,459,016, Jan. 11.
Apparatus and method for determining the scuff resistance of leather. C. W. Mann. 2,458,963, Jan. 11.
Apparatus for adjusting the electrical condition of electrical analysers. W. A. Bruce. 2,458,829, Jan. 11.
Apparatus for approximately squaring circles. W. B. Thomson. 2,458,749, Jan. 11.
Apparatus for chlorination processes. J. Dorsky, G. W. Mattson, and C. M. Neher. 2,458,691, Jan. 11.
Apparatus for conducting ion exchange operations. R. C. Campbell. 2,458,893, Jan. 11.
Apparatus for discharging from feed chutes improperly oriented cartridges. J. H. Woodberry and F. W. Hoewischer. 2,458,546, Jan. 11.
Apparatus for electroplating. A. Brenner and T. S. Meites. 2,458,676, Jan. 11.
Apparatus for measuring electrical resistance. H. G. Taylor. 2,458,805, Jan. 11.
Apparatus for measuring field intensity in high-frequency electric fields. E. C. Cork. 2,458,565, Jan. 11.
Apparatus for packing asparagus. H. E. Kelly and H. A. Howard. 2,458,858, Jan. 11.
Apparatus for reactions requiring short contact time. B. E. Roethell and W. G. Scharmann. 2,458,960, Jan. 11.
Apparatus for resistance welding. E. J. Zulinski and R. Barley. 2,458,758, Jan. 11.
Apparatus for the photographic reproduction of documents. A. V. L. C. Debrie. 2,458,769, Jan. 11.
Apparatus for tinning steel. W. F. Grupe. 2,458,509, Jan. 11.
Apparatus for treating hollow bodies. J. Gogan. 2,458,587, Jan. 11.
Appliance, Three-way rupture truss. J. A. Kiser. 2,459,031, Jan. 11.
Applicator, Bait. C. J. Zirbel. 2,458,671, Jan. 11.
Apron for ironing boards, Protecting. E. S. Lyon. 2,458,613, Jan. 11.
Arc welding, Electric. J. M. Tyrner. 2,458,658, Jan. 11.
Arc welding, Method and apparatus for electric. P. B. Scharf. 2,459,047, Jan. 11.
Article support. J. de Swart. 2,458,897, Jan. 11.
Aspirator with a rotatable flexible tube connection, Dust. J. A. C. Malchus. 2,458,614, Jan. 11.
Attachment for sadirons, Combing and brushing. D. Resnick. 2,458,530, Jan. 11.
Auto tire chain ring. C. H. Reynolds. 2,458,642, Jan. 11.
Automatic control. C. F. Kettering and A. W. Fischer. 2,458,784, Jan. 11.
Automatic key case. S. Greenhow. 2,458,938, Jan. 11.
Automatic switch. C. H. Clement. 2,459,015, Jan. 11.
Awning, Louvered. O. O. McKinley. 2,458,619, Jan. 11.
Axle construction for trucks, Tandem. R. A. Woods. 2,458,816, Jan. 11.
Baffle and oil supply means for oil burners, Combined. G. C. Peter. 2,458,916, Jan. 11.
Baffle for water tube boilers. G. P. Reintjes. 2,458,798, Jan. 11.
Bag having a filler mouthpiece in one end, Making a. H. A. Wolf. 2,458,972, Jan. 11.
Balance for airfoils, Differential. R. A. Darby. 2,458,896, Jan. 11.
Balance, Spring. W. H. Yeamans. 2,458,669, Jan. 11.
Baling press. G. B. Hill. 2,458,994, Jan. 11.
Bat, Baseball. J. E. Marsden. 2,458,919, Jan. 11.
Batten clamp. O. and J. A. Lamothe. 2,458,787, Jan. 11.
Beam power tube. D. G. Haines. 2,459,072, Jan. 11.
Bearing shunt means. C. K. Steins. 2,459,099, Jan. 11.
Belt, Aviator's. K. W. Varney and H. D. Allen. 2,458,810, Jan. 10.
Belt tightening means for engine units. E. H. Ensinger. 2,458,575, Jan. 11.
Benzoic acid derivatives. S. Avakian. 2,458,823, Jan. 11.
Binocular loupe. M. Frommer. 2,459,021, Jan. 11.
Birdproofing. J. S. Peles. 2,458,727, Jan. 11.
Blasting machine. A. U. Davis. 2,458,687, Jan. 11.
Block: *See*—
Building block.
Blocker, Sweater. M. Davis. 2,458,689, Jan. 11.
Bomb, Fragmentation. N. L. Etten. 2,458,576, Jan. 11.
Boot, Legging. A. M. Malluk. 2,458,952, Jan. 11.
Boring head. F. C. Wallace. 2,458,753, Jan. 11.
Bowl, Water filter. J. J. Niziolek. 2,458,625, Jan. 11.
Box: *See*—
Folding box. Music box.
Box and package handle. W. Trogman. 2,458,883, Jan. 11.
Box consisting of accordion folded pages in a box, Book. I. Politzer. 2,458,729, Jan. 11.
Bracket for drapery fixtures. E. W. Riley. 2,458,643, Jan. 11.
Brake: *See*—
Variable load brake.
Brake booster, Combined power and manually operated. W. Stelzer. 2,458,803, Jan. 11.
Brake or arresting means, Positive. G. Reget. 2,458,733, Jan. 11.
Bridge for railway track systems, Derailer. W. A. Francis, Sr. 2,458,903, Jan. 11.
Brightening tin plate, Method and apparatus for. J. S. Nachtman. 2,458,525, Jan. 11.
Buff and making the same. L. J. Walling. 2,459,055, Jan. 11.
Building block. R. P. Hester. 2,459,028, Jan. 11.
Burner: *See*—
Low velocity gas burner. Pan type oil gasifying burner.
Low velocity oil and gas burner. Pulverized fuel burner.
Low velocity oil burner.
Butyl rubber for pressure working, Improving cured. W. F. Fischer. 2,458,843, Jan. 11.
Cabinet: *See*—
Scalp conditioning cabinet.
Cages for ball bearings, Making. T. G. Barnbrook. 2,458,762, Jan. 11.
Cambric and linen tape dispenser. H. E. Stevenson. 2,458,964, Jan. 11.
Can: *See*—
Lunch can.
Car with dumping body, Freight. H. C. Lima. 2,459,035, Jan. 11.
Carbazole, Purification of. B. W. Rottschaefer. 2,459,135, Jan. 11.

Carbon black, Manufacture of. R. E. Kinney and E. Gorin. 2,458,996, Jan. 11.
Carbon chromium steels, Producing low. H. B. Schuls. 2,458,651, Jan. 11.
Carbon tetrafluoride, Preparation of. A. F. Benning, J. D. Park, and S. E. Krahler. 2,458,551, Jan. 11.
Carrier: *See*—
Golf club carrier.
Case: *See*—
Automatic key case. Combination bag and spectacle case.
Cigarette and match case.
Caster. H. P. Andresen. 2,458,922, Jan. 11.
Catalyst treatment of gaseous hydrocarbons, Solid. D. W. Young. 2,458,818, Jan. 11.
Catalytic process for the acylation of thiophenes, Continuous. J. Kellett, III, and H. E. Rasmussen. 2,458,514, Jan. 11.
Cathode-ray tube. E. E. Shelton. 2,458,962, Jan. 11.
Cathode-ray tube circuit. K. Schlesinger. 2,458,532, Jan. 11.
Cathode-ray tube focusing circuit. H. G. Boyle. 2,458,891, Jan. 11.
Cell, Alkaline primary. S. Ruben. 2,458,878, Jan. 11.
Cellulosic materials to rubber and composite products formed therefrom, Bonding. J. G. Weeldenburg. 2,458,886, Jan. 11.
Chain: *See*—
Roller bearing chain.
Chair: *See*—
Metal chair.
Chalk holder. G. F. Miller. 2,459,087, Jan. 11.
Chassis engaging device for vehicle lifts. G. Frey. 2,458,986, Jan. 11.
Child's nursing stand. R. Lusardo. 2,458,950, Jan. 11.
Chlorine dioxide, Manufacture of. G. M. Booth. 2,459,124, Jan. 11.
Chuck. J. A. Axelsson. 2,458,824, Jan. 11.
Chuck, Collet. D. W. Bloomquist. 2,458,889, Jan. 11.
Chuck, Drill. A. Norige. 2,458,626, Jan. 11.
Cigarette and match case. H. L. Auten. 2,458,923, Jan. 11.
Ciphering system, Mechanical. A. H. Reiber. 2,458,734, Jan. 11.
Circuit: *See*—
Cathode-ray tube circuit. Electrical control circuit.
Cathode-ray tube focusing circuit.
Circuit breaker, Electric. H. A. H. Nijland. 2,458,792, Jan. 11.
Circuit for sampling balanced signals. L. W. Hussey. 2,458,599, Jan. 11.
Circuit protector. E. V. Sundt. 2,458,804, Jan. 11.
Circuit testing device, Vest-pocket. N. N. Okun. 2,458,628, Jan. 11.
Circuits, Coded track. C. B. Shields. 2,458,746, Jan. 11.
Clamp: *See*—
Batten clamp.
Clamp for railroad car axles, Reamer. E. L. Bowen. 2,459,013, Jan. 11.
Cleaner: *See*—
Air cleaner. Spark plug cleaner.
Cleaning metal surfaces and compositions therefor. H. G. Webster and C. L. Palter. 2,458,661, Jan. 11.
Clock, Drum type indicator alarm. A. A. Johnson. 2,459,107, Jan. 11.
Clothesline, Collapsible. S. P. Midouhas. 2,459,110, Jan. 11.
Clutch and brake mechanism, Fluid actuated. J. N. Weiland. 2,458,664, Jan. 11.
Clutch control. A. R. Cooper. 2,458,767, Jan. 11.
Coating electrical devices. R. W. De Monte and A. B. Haines. 2,459,018, Jan. 11.
Coaxial line generator. L. W. Schreiner and E. V. Leonard. 2,458,650, Jan. 11.
Cocking bolt of machine guns. F. W. Sampson and G. J. Hyde. 2,458,647, Jan. 11.
Coffee maker, Automatic. L. Reichold. 2,458,640, Jan. 11.
Colonic device. W. R. McCormick. 2,458,718, Jan. 11.
Combination bag and spectacle case. M. K. Cramer. 2,458,567, Jan. 11.
Combustion chamber. E. G. Bailey. 2,458,497, Jan. 11.
Compensating for thermal load changes in heat-treatment furnaces, Method and apparatus for artificially. W. A. Morton and E. G. Smith. 2,458,624, Jan. 11.
Compensator for electrical regulators, Temperature. W. G. Neild. 2,458,957, Jan. 11.
Compounds of silicon and halogen, Reduction of. D. B. Hatcher. 2,458,703, Jan. 11.
Compressor and exhauster, Sliding vane air. H. A. Garrison. 2,459,071, Jan. 11.
Compressor, Crop. F. Linderer. 2,458,713, Jan. 11.
Compressor, Refrigerant. A. I. Ponomareff. 2,458,730, Jan. 11.
Compressor, Sliding vane. D. W. Megeber. 2,458,620, Jan. 11.
Computer, Electrical. E. R. Fenske. 2,458,697, Jan. 11.
Computing apparatus. A. C. Hardy and E. C. Dench. 2,459,106, Jan. 11.
Computing device, Electronic. W. H. Boghosian and H. G. Och. 2,458,553, Jan. 11.
Connection, Electric swivel. F. J. Rehm, Jr. 2,459,118, Jan. 11.
Connection, Spring compression tubing and pipe. R. Carignan. 2,458,833, Jan. 11.
Connection, Tool handle. J. Winkler. 2,458,815, Jan. 11.
Contacting apparatus, Gas-solid. K. M. Watson. 2,459,056, Jan. 11.
Contacting elements, Making electrical. D. G. Blattner. 2,458,552, Jan. 11.
Connector: *See*—
Electrical connector. Straddle link connector.
Preinsulated aerial cable tap connector.
Container: *See*—
Shock-proof bottle container.
Container. A. J. Chateauneuf. 2,458,834, Jan. 11.
Container and support, Combined bottle. R. Chemlinski. 2,458,766, Jan. 11.
Control and lockout means for telephone stations, Dual. G. G. Bradley and H. F. Mohr. 2,458,557, Jan. 11.
Control device. C. I. Hall. 2,458,939, Jan. 11.
Control means, Capillarity. D. T. Nave and R. L. Sullivan. 2,459,042, Jan. 11.
Control means for gramophones. E. W. Mortimer. 2,458,623, Jan. 11.
Control system and mechanism, Fluid. T. B. Chace. 2,458,978, Jan. 11.
Control system, Electric motor follow-up. W. L. Dunn. 2,458,983, Jan. 11.
Control system, Electrical. O. R. Carpenter and F. W. Armstrong, Jr. 2,458,503, Jan. 11.
Control system for electric circuits, Automatic. N. Márques. 2,458,954, Jan. 11.
Control system utilising automatic phase shift, Electronic. R. L. Ringer, Jr., and C. E. Smith. 2,458,644, Jan. 11.
Controlling frequency characteristics in sound recording, Method and apparatus for. M. Rettinger and K. Singer. 2,458,641, Jan. 11.
Conversion of fluid hydrocarbons, Method and apparatus for. E. V. Bergstrom. 2,458,498-9, Jan. 11.
Cooling device by vaporisation for internal-combustion engines. G. Levesque du Roatu. 2,458,609, Jan. 11.
Copolymers of vinyl compounds containing olefins. A. M. Clifford. 2,459,126, Jan. 11.
Correction device for electronic function generators. M. L. Greenough. 2,458,700, Jan. 11.
Cotton and other textile fibers, Method and machine for combing. F. Raubitschek. 2,458,732, Jan. 11.
Coupling: *See*—
Quick disconnect coupling.
Coupling. E. N. Doubrava. 2,458,899, Jan. 11.
Coupling. F. D. Mahoney. 2,458,714, Jan. 11.
Coupling for tubes. A. L. Parker. 2,458,874, Jan. 11.
Coupling for tubes. J. N. Wolfram. 2,458,817, Jan. 11.
Cover: *See*—
Wheel cover.
Cover and iron pad or pad holder, Combined ironing board. F. Galbraith. 2,458,698, Jan. 11.
Covering, Removable floor or wall. S. G. Trepp. 2,458,750, Jan. 11.
Cream dispenser. J. P. Jones. 2,459,130, Jan. 11.
Creasing counters, Method of and apparatus for preparing. G. G. Messersmith. 2,458,867, Jan. 11.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,458,615, Jan. 11.
Crystal controlled frequency modulation system. W. M. A. Andersen. 2,458,760, Jan. 11.
Crystal unit, Piezoelectric. H. F. Fruth and R. J. Pierce. 2,458,987, Jan. 11.
Cup having a pouring lip extending outwardly from sidewall, Paper. K. C. Hamilton. 2,459,073, Jan. 11.
Cutter: *See*—
Potato seed cutter.
Cutoff machine. A. B. Eastwood. 2,459,068, Jan. 11.
Cutting blanks. J. E. Socke. 2,458,538, Jan. 11.
Detector, Gas. N. E. Lindström. 2,458,610, Jan. 11.
Developer, Plate. J. T. Campbell. 2,458,561, Jan. 11.
Device for attaching metal baling ribbons to anchorage plates. F. A. Singley. 2,458,747, Jan. 11.
Device for continuous pressure politserization, Portable. O. E. Reynolds and G. G. Loyal. 2,458,959, Jan. 11.
Device for depilatory purposes. E. Kerr. 2,458,911, Jan. 11.
Device for mixing dental amalgams. J. H. Downer. 2,458,892, Jan. 11.
Device for use with enclosed bus bar distribution systems, Protective. W. H. Frank. 2,458,583, Jan. 11.
Die set with automatic stamping and/or punching removing means, Self-contained. C. H. Tauser. 2,459,053, Jan. 11.
Dies, Making. F. E. McGary, E. Hochreiter, C. F. Schlecht, and F. Shannon. 2,459,084, Jan. 11.
Digger, Posthole. L. L. Grosshart. 2,458,991, Jan. 11.
Dimethyl terephthalate, Making. R. M. Cavanaugh and J. E. Lufkin. 2,459,014, Jan. 11.
Discharge device for voltage measurement. A. W. Vingerhoets and H. Nieuwdorp. 2,458,659, Jan. 11.
Dispenser: *See*—
Cambric and linen tape dispenser. Cream dispenser.
Dispensing-display stand. S. A. Prag. 2,458,797, Jan. 11.
Disposal receptacle. C. E. Miller. 2,458,868, Jan. 11.

Distortion reduction in channel switching. L. R. Cox and G. H. Huber. 2,458,566, Jan. 11.
Fuse construction, Drop-out. W. O. Schults. 2,458,743, Jan. 11.

Hydrocarbon conversion, Method and apparatus for fluid. F. H. Ray. 2,459,096, Jan. 11.
Hydrocarbon conversion process. D. R. Carmody.
Magnesia refractory. R. A. Schoenlaub. 2,458,533, Jan. 11.
Magnesium products, Manufacture of. G. H. Gloss.

Distortion reduction in channel switching. L. R. Cox and G. H. Huber. 2,458,566, Jan. 11.
Distributor for multiplex pulse communication systems, Electronic. M. H. Mesner. 2,459,131, Jan. 11.
Door: *See*—
Garage door.
Drier. K. E. McConnaughay. 2,458,617, Jan. 11.
Driver, Stud. F. A. Miller. 2,458,622, Jan. 11.
Drive system, Electromechanical. R. L. Davis. 2,459,064, Jan. 11.
Dolly, Trailer. C. Williams. 2,458,666, Jan. 11.
Door fastener. S. B. Haseltine. 2,458,591, Jan. 11.
Door holder and doorstop, Adjustable. J. E. Olvis. 2,458,528, Jan. 11.
Door operator, Elevator hatchway. R. Hains. 2,458,702, Jan. 11.
Doorstop. A. W. Gard. 2,459,070, Jan. 11.
Duplicating. A. L. Erickson. 2,459,067, Jan. 11.
Dusting apparatus. C. E. Blanchard and A. W. Ferre. 2,458,674, Jan. 11.
Dyestuffs and their manufacture, Disazo. P. Grandjean. 2,458,776, Jan. 11.
Dynamoelectric machine. A. M. Cummings. 2,458,569, Jan. 11.
Dynamotor. K. H. Fox. 2,458,507, Jan. 11.
Ear protector valve. J. Volkmann. 2,458,884, Jan. 11.
Easel, Photographic enlarging. R. P. Saunders. 2,458,648, Jan. 11.
Electric pressure and deflection gauge. H. Reifel. 2,458,735, Jan. 11.
Electrical connector. W. J. Korth. 2,459,032, Jan. 11.
Electrical control circuit. P. Glass. 2,458,937, Jan. 11.
Electrically actuated pump. J. W. Dickey, M. M. Henry, and T. K. Riggen. 2,458,770, Jan. 11.
Electrically energizable fabric. L. K. Schwartz. 2,458,801, Jan. 11.
Electrode holder. G. F. Nilsson. 2,458,723, Jan. 11.
Electromagnetic system. A. S. Fitz Gerald. 2,459,069, Jan. 11.
Electron discharge apparatus. R. W. Sears. 2,458,652, Jan. 11.
Electron tube. D. F. Drieschman and R. Leonard. 2,458,693, Jan. 11.
Eliminating offset. C. B. Cotherman. 2,458,981, Jan. 11.
Engine: *See*—
Reciprocating cylinder internal-combustion engine.
Esters of piperonyl chrysanthemum carboxylic acid. M. E. Synerholm. 2,458,656, Jan. 11.
Ethers and esters of carbohydrates, Producing. J. Lolkema. 2,459,108, Jan. 11.
Extruded shape. R. P. Davie, Jr. 2,458,686, Jan. 11.
Fabric: *See*—
Electrically energizable fabric.
Fastener: *See*—
Door fastener.
Fastener. W. J. Dillens. 2,459,020, Jan. 11.
Fastener, brace, and caster support, Bed. J. H. B. Herts. 2,458,595, Jan. 11.
Fatty acid separation. C. C. Towne. 2,459,054, Jan. 11.
Fatty oils, Treating. D. S. Bolley and E. C. Gallagher. 2,458,554, Jan. 11.
Fermentation. J. W. Foster. 2,458,495, Jan. 11.
Figure, Articulate. F. L. Treuting. 2,459,100, Jan. 11.
Film of copolymer of vinylidene chloride and vinyl chloride. L. E. Cheyney. 2,459,125, Jan. 11.
Film rack. A. J. Ginsberg. 2,459,099, Jan. 11.
Filter: *See*—
Piezoelectric crystal filter.
Filter. W. McCaskell. 2,459,082, Jan. 11.
Filter underdrain. L. W. Bieker and W. J. Lewis. 2,458,673, Jan. 11.
Fishing rod holder. M. Steuer. 2,458,881, Jan. 11.
Fixture, Welding. P. E. Brooks. 2,458,928, Jan. 11.
Flap operating means. F. Erny. 2,458,900, Jan. 11.
Floral rack. C. O. Gipson. 2,459,024, Jan. 11.
Folding box. G. J. Evans. 2,458,578, Jan. 11.
Follow-up apparatus, Electrical. K. Rath. 2,458,731, Jan. 11.
Foot supporting device for shoes. G. E. Burford. 2,458,501, Jan. 11.
Form for concrete floors, Construction. J. J. Pirs. 2,459,044, Jan. 11.
Forming means for strip-metal forming machines, Supplementary. F. and I. Himmel. 2,458,906, Jan. 11.
Forming precision bore glass tubing. S. J. Everett. 2,458,934, Jan. 11.
Forwarder for corn pickers and huskers, Stalk. R. P. Messenger. 2,458,791, Jan. 11.
Frame construction, Bee comb. G. Dunham. 2,458,838, Jan. 11.
Froth flotation of sulfide ores in the presence of a N-dichlorothiocarbanilide. R. B. Martin. 2,458,523, Jan. 11.
Fuel conditioner, Water heating type. H. G. Blumberg and E. M. Stevens. 2,458,826, Jan. 11.
Furnace operations, Improving blast. C. D. King and P. D. Nielsen. 2,458,947, Jan. 11.
Fuse construction, Drop-out. W. O. Schultz. 2,458,742, Jan. 11.
Fuse construction, Drop-out. W. O. Schultz. 2,458,743, Jan. 11.
Game apparatus, Amusement. H. E. Williams. 2,459,011, Jan. 11.
Game apparatus having illuminating means simulating dropping of a bomb from an airplane upon a boat, Amusement. W. H. Burdick. 2,458,892, Jan. 11.
Game board and playing pieces for a chance controlled game. J. P. Waldrop. 2,458,966, Jan. 11.
Garage door. F. J. Kappes. 2,458,604, Jan. 11.
Garment. P. and F. Owenby and J. A. Sacks. 2,459,043, Jan. 11.
Garment, Convertible foundation. R. S. Kops. 2,458,712, Jan. 11.
Gas purification process. F. Denig. 2,458,505, Jan. 11.
Gasoline, Production of. R. M. Cole. 2,458,980, Jan. 11.
Gauge: *See*—
Electric pressure and deflection gauge.
Gauge for measuring subatmospheric pressures. G. R. Abell, Jr. 2,458,759, Jan. 11.
Gauge for punches, Back. R. R. Uhrmacher. 2,459,101, Jan. 11.
Gear assembly for trailer wagons, Running. K. L. and E. D. Smith. 2,459,050, Jan. 11.
Gearing, Clutch. D. M. K. Marendaz. 2,458,716, Jan. 11.
Gearing for centrifugal machines, Differential. A. F. Howe. 2,458,706, Jan. 11.
Gelatin and aldonic acids and making same, Reaction products of. A. E. Chester and F. F. Reisinger. 2,458,504, Jan. 11.
Generator: *See*—
Coaxial line generator.
Glyceryl ester of levo-pimaric acid-maleic anhydride adduct, Polymerizing the. E. E. Fleck. 2,458,772, Jan. 11.
Golf club. R. F. Wheeler and E. J. Marciniak. 2,458,920, Jan. 11.
Golf club carrier. R. Baker. 2,458,924, Jan. 11.
Golf practicing and teaching apparatus. R. F. Cottingham. 2,458,932, Jan. 11.
Governor. I. E. Coffey. 2,459,061, Jan. 11.
Grader for carrots and vegetables having like-tapering forms, Bar screen. R. H. Winters. 2,458,887, Jan. 11.
Grinding machine. E. N. Eklund. 2,458,840, Jan. 11.
Grinding machine, Planetary. W. J. Bryant and T. H. Ljunggren. 2,458,765, Jan. 11.
Grinding wheel dressing device. E. J. Daily. 2,458,768, Jan. 11.
Gripper, Ski towrope. E. E. Lagergren. 2,458,786, Jan. 11.
Guard, Fingernail. J. H. Kayer. 2,458,709, Jan. 11.
Guard, Rat. E. L. Bush. 2,459,060, Jan. 11.
Guide, Curtain rod. W. A. Murray and G. T. Alley. 2,459,001, Jan. 11.
Guide for saw tables, Adjustable work. R. H. Gilmore. 2,458,846, Jan. 11.
Guide, Insulated cable and rope spooling. H. Donahue. 2,458,573, Jan. 11.
Gun mounting. L. Motley. 2,458,956, Jan. 11.
Gun sight with horizontal and vertical deflection adjustments, Optical. W. M. Cady. 2,458,831, Jan. 11.
Halter and controller, Bull. H. Masbruch. 2,458,717, Jan. 11.
Halter, Brassière. S. Elias. 2,458,696, Jan. 11.
Handle: *See*—
Box and package handle.
Handle device. F. C. Wallace. 2,458,754, Jan. 11.
Handles, Making machine. E. S. George. 2,458,989, Jan. 11.
Hanger. M. H. Kruger. 2,459,034, Jan. 11.
Heat exchange apparatus. J. P. Rathbun. 2,459,095, Jan. 11.
Heater having means to prevent fuel-contamination of the ventilating air, Internal-combustion. L. A. Williams, Jr. 2,458,968, Jan. 11.
Heating apparatus. Y. R. Cornelius. 2,458,835, Jan. 11.
Heating coking retort ovens with enriched mixtures of fuel gas. W. O. Keeling. 2,458,515, Jan. 11.
Heating device with corrosion protective anode, Water. H. T. Bates, D. J. Fergus, and A. F. Craver. 2,459,123, Jan. 11.
Hanger: *See*—
Multiple hanger. Skirt hanger.
Hitch mechanism. C. W. Goff. 2,458,848, Jan. 11.
Hitch, Trailer. C. Williams. 2,458,667, Jan. 11.
Hitch, Universal. L. L. Hyler. 2,458,761, Jan. 11.
Hod, Collapsible. T. M. Hevener. 2,458,942, Jan. 11.
Holder: *See*—
Chalk holder. Fishing rod holder.
Electrode holder. Wrist watch holder.
Holder and tension member for toy cash registers, Combination key. H. A. Kroenlein. 2,458,863, Jan. 11.
Holder for coal-cutting chains, Bit. E. F. Johnston. 2,458,946, Jan. 11.
Hood for motor vehicles and the like, Folding. J. H. Orr. 2,459,069, Jan. 11.
Hose coupling valve. Z. A. Twardowski. 2,458,809, Jan. 11.
Hydraulic jack. F. H. Schwerin. 2,458,744, Jan. 11.
Hydrocarbon compositions and petroleum distillates, Modified. S. Shappirio. 2,458,535, Jan. 11.

Hydrocarbon conversion, Method and apparatus for fluid. F. R. Ray. 2,459,096, Jan. 11.
Hydrocarbon conversion process. D. R. Carmody. 2,458,977, Jan. 11.
Hydrocarbons, Photochemical chlorination of. J. S. Sconce and A. N. Johnson. 2,459,049, Jan. 11.
Hydrocarbons, Purification of. H. J. Hepp and H. R. Sailors. 2,458,777, Jan. 11.
Hydrodynamic machine. W. Ferris and J. K. Douglas. 2,458,985, Jan. 11.
Illustrations, Manufacture of integral, three-dimensional, self-erecting. A. Schenk. 2,458,879, Jan. 11.
Index of the rotary type, Card. G. W. Torrence and W. A. Calkins. 2,458,657, Jan. 11.
Indexing mechanism for valves. A. L. Parker and E. C. Hartley. 2,458,873, Jan. 11.
Indicator: *See*—
Milk bottle indicator. Modulation indicator.
Indicating device. D. W. Peterson. 2,458,634, Jan. 11.
Indicator for aircraft, Course and height. H. W. Hastings-Hodgkins. 2,459,074, Jan. 11.
Indium and its alloys, Electrodeposition of. J. R. Dyer, Jr., and T. J. Rowan. 2,458,839, Jan. 11.
Instructing device, Football. C. A. Engle. 2,458,984, Jan. 11.
Instrument, Electrical measuring. M. C. Kuns. 2,459,081, Jan. 11.
Instrument for simulating attitude gyros, Aircraft training. R. C. Dehmel. 2,458,982, Jan. 11.
Instrument, Musical. N. J. Adair. 2,459,102–3, Jan. 11.
Ionization chamber. J. H. Parsons. 2,458,632, Jan. 11.
Jack: *See*—
Hydraulic jack.
Telescoping tube screw jack.
Jack and engine starting device, Combination automobile. G. W. Harris. 2,458,590, Jan. 11.
Jig for assembling hollow structures. W. L. Lewis and F. C. Pahl. 2,458,788, Jan. 11.
Jig, Punch. J. F. Murphy. 2,458,524, Jan. 11.
Joint: *See*—
Pipe joint.
Joint for exhaust structures, Expansion. P. A. Pitt and H. A. Sprenger. 2,458,635, Jan. 11.
Joint for wallboards, Corner. C. K. Barge. 2,458,925, Jan. 11.
Joist. S. F. McIntosh. 2,459,037, Jan. 11.
Ketones for catalytic reaction of olefins and acid anhydrides, Preparation of. C. E. Johnson. 2,458,603, Jan. 11.
Key, Telegraph. C. M. Hayman. 2,459,027, Jan. 11.
Kit, Electric shaving. H. F. Nenno. 2,458,721, Jan. 11.
Labyrinth packing. G. F. Gayer. 2,458,988, Jan. 11.
Lacquers and their manufacture, Phenol oxide resin. G. H. Ott and W. Kraus. 2,458,796, Jan. 11.
Landing mechanism for airplanes. E. M. Gardner. 2,458,845, Jan. 11.
Latch tripping mechanism. H. W. Sanford. 2,458,738, Jan. 11.
Lens with mounting means for sound projectors, Scanning. J. Kogel. 2,458,860, Jan. 11.
Lift for bifocal spectacles, Temporary. E. K. Smith. 2,459,051, Jan. 11.
Lighter, Pocket. A. Campos. 2,458,832, Jan. 11.
Lighter, Pyrophoric. F. Meyer. 2,459,085, Jan. 11.
Link, Game holder. R. H. Boehm. 2,458,675, Jan. 11.
Load carrier mounting. L. H. Lull. 2,458,949, Jan. 11.
Loading and unloading apparatus for vehicles. G. H. Pride. 2,459,045, Jan. 11.
Locating and locking means. T. A. Kestell. 2,458,859, Jan. 11.
Locating system, Object. B. M. Oliver. 2,459,117, Jan. 11.
Lock: *See*—
Antijimmy tubular lock. Window sash lock.
Lock for adjustable end wrench. J. H. Ogden. 2,458,794, Jan. 11.
Locking mechanism for jigs and the like. M. Hitzelhammer. 2,458,705, Jan. 11.
Locking system, Door. J. G. Ingres and D. T. Ayers, Jr. 2,459,029, Jan. 11.
Loosener, Drill bit. S. H. Malinak. 2,458,951, Jan. 11.
Low velocity gas burner. N. J. Urquhart. 2,458,543, Jan. 11.
Low velocity oil and gas burner. N. J. Urquhart. 2,458,542, Jan. 11.
Low velocity oil burner. N. J. Urquhart. 2,458,541, Jan. 11.
Lubricating system for mechanisms operating at high altitudes. R. Birmann. 2,458,763, Jan. 11.
Lubricating unit, High-pressure. L. B. Williams. 2,459,010, Jan. 11.
Lunch can. J. Dougherty. 2,458,837, Jan. 11.
Machine for beading tubes by radial expansion followed by axial pressure. H. E. Hull and P. L. Takacs. 2,458,854, Jan. 11.
Machine for trimming shoe parts. E. A. Holmgren. 2,458,598, Jan. 11.
Machine particularly for producing coiled filaments for electric lamps and electronic tubes, Wire coiling. H. Marter. 2,458,789, Jan. 11.
Machine rest, Pistol. E. Lea. 2,458,608, Jan. 11.
Machine with integral connector boxes, Dynamoelectric. R. Happe. 2,458,904, Jan. 11.
Magnesia refractory. R. A. Schoenlaub. 2,458,533, Jan. 11.
Magnesium products, Manufacture of. G. H. Gloss. 2,458,847, Jan. 11.
Magnetron assembly and method. P. L. Spencer. 2,458,802, Jan. 11.
Magnetron, Tunable. H. C. Jonas, J. P. Laico, and V. L. Ronci. 2,459,030, Jan. 11.
Manganese, Stripping electrodeposited. J. H. Jacobs. 2,458,908, Jan. 11.
Manometer, Constant reference point. J. W. Jensen. 2,458,783, Jan. 11.
Marking device. H. E. Oles. 2,458,871, Jan. 11.
Mask. H. D. Fiskett and J. G. Lenta. 2,458,580, Jan. 11.
Master safety switch. F. F. Crooke. 2,458,930, Jan. 11.
Material handling apparatus. G. B. Palmer. 2,458,915, Jan. 11.
Means for controlling and equalizing tube temperatures. C. C. Watson. 2,458,756, Jan. 11.
Means for crush forming grinding wheels. C. W. Kirin. 2,458,605, Jan. 11.
Measuring apparatus, Electronic. R. W. Gilbert. 2,459,104, Jan. 11.
Measuring device, Fluid flow. R. H. Pratt and J. Q. Underwood, Jr. 2,458,637, Jan. 11.
Measuring pressure, Method of and apparatus for. J. B. Johnson. 2,458,601, Jan. 11.
Measuring pressure, Method of and apparatus for. G. W. Willard. 2,458,665, Jan. 11.
Mechanism for clinching covers onto cans. R. E. Renard. 2,458,529, Jan. 11.
Mechanism for metal drilling and like machines, Chip breaking. C. B. Clark. 2,458,929, Jan. 11.
Member for endless tracks, Center guide tread. G. M. Waller. 2,458,755, Jan. 11.
Metal articles, Making composite. H. G. Webster. 2,458,660, Jan. 11.
Metal band, Imbedded. S. Rosenberg and S. Padwe. 2,458,645, Jan. 11.
Metal bending and stretching apparatus. J. S. Nielsen. 2,459,132, Jan. 11.
Metal chair. E. C. Booth. 2,458,890, Jan. 11.
Metal salts of halogen substituted phenylol sulfides, Divalent. E. W. Cook and P. H. Moss. 2,459,063, Jan. 11.
Metals, Case-hardening. F. J. Sowa. 2,458,655, Jan. 11.
Methoxy acetic acid, Preparation of. L. Schmerling. 2,458,741, Jan. 11.
Methylene sulfonate derivatives of alkyl compounds and aryl compounds. H. L. Friedman and L. D. Braitberg. 2,458,584, Jan. 11.
Methylfuran, Producing. I. B. Johns and L. W. Burnette. 2,458,857, Jan. 11.
Milk bottle indicator. J. L. Churchill. 2,458,979, Jan. 11.
Milker, Pressure releaser. F. G. Hodsdon. 2,458,779, Jan. 11.
Milling machine. W. Hoier and R. N. Clifton. 2,458,597, Jan. 11.
Mineral oil composition. E. A. Oberright. 2,458,526–7, Jan. 11.
Mineral oil composition. E. A. Oberright. 2,459,112–16, Jan. 11.
Modulation indicator. J. F. Byrne. 2,458,880, Jan. 11.
Modulator, Microwave. C. B. H. Feldman. 2,458,579, Jan. 11.
Mold. E. A. Graham. 2,459,025, Jan. 11.
Mold injection head. B. and E. H. Schwartz. 2,459,048, Jan. 11.
Molded structures, Making integral. J. D. Lindsay. 2,458,864, Jan. 11.
Molding machine, Cement slab. B. G. Cooper. 2,458,564, Jan. 11.
Molding material and the article produced, Producing. J. A. Clark. 2,458,562, Jan. 11.
Motor: *See*—
Permanent magnet vibratory motor.
Motor control, Shaded pole. M. L. Greenough. 2,458,701, Jan. 11.
Mounting: *See*—
Gun mounting. Transformer mounting.
Load carrier mounting.
Mounting for fluid containers. W. L. Davidson and H. W. Lewis. 2,458,570, Jan. 11.
Mounting for fluid containers, Resilient. P. J. Dasher. 2,458,571, Jan. 11.
Mounting for lenses, Safety. T. F. Healy. 2,458,593–4, Jan. 11.
Mounting for spectacles, Safety. T. F. Healy. 2,458,592, Jan. 11.
Multiple check valve. L. A. Kempton. 2,458,710, Jan. 11.
Multiple hanger. M. E. Zimmermann. 2,458,820, Jan. 11.
Multiple spindle machine tool. R. A. Schafer. 2,458,740, Jan. 11.
Music box. A. Pfeiffer. 2,458,875, Jan. 11.
Negative, Dry developing. S. C. Slifkin. 2,459,136, Jan. 11.
Nitriles, Producing. M. J. Fahrenbach. 2,459,128, Jan. 11.
1,1,3,3-tetraalkoxypropanes, Preparing. M. E. Hultquist. 2,459,076, Jan. 11.
Optical objective of the telephoto type having axially separated convergent front and divergent rear members. A. Cox. 2,458,836, Jan. 11.

Order form, Special. J. Moss. 2,458,955, Jan. 11.
Organo-siloxanes and making them. J. F. Hyde. 2,458,944, Jan. 11.
Oxide of carbon, Hydrogenation of an. H. J. Ogorzaly. 2,458,870, Jan. 11.
Package for typewriters, Combination shipping and display. F. C. Edelston. 2,458,695, Jan. 11.
Packaging. J. Foote. 2,458,844, Jan. 11.
Packaging device, Shirt. W. W. McFall. 2,458,998, Jan. 11.
Pad: *See*—
Upholstery pad.
Pad and pocket therefor. L. Root. 2,458,646, Jan. 11.
Pan type oil gasifying burner. A. Palko. 2,458,630, Jan. 11.
Pantoyltauramides and preparation of the same. W. H. Miller and R. O. Roblin, Jr. 2,459,111, Jan. 11.
Parachute and the like with rotating sustaining blades. V. Isacco. 2,458,855, Jan. 11.
Peeler with cooperating retainer means, Half fruit. R. L. Ewald and H. A. Skog. 2,458,506, Jan. 11.
Pencil with lead storage unit, Mechanical. M. E. Savoie. 2,458,739, Jan. 11.
Permanent magnet vibratory motor. C. S. Weyandt. 2,458,545, Jan. 11.
Phonograph, Automatic. E. F. Andrews. 2,458,496, Jan. 11.
Photographic developing method and apparatus. W. D. Rose. 2,458,877, Jan. 11.
Photographic process for converting black and white or monochrome pictures into multicolor pictures. H. C. Harsh, R. M. Haff, and F. J. Kassuba. 2,458,905, Jan. 11.
Photographic stencils, Production of. D. C. Gresham and E. E. Loening. 2,459,129, Jan. 11.
Picker, Loop. C. M. Fuller. 2,458,936, Jan. 11.
Picker, Tractor-mounted corn. B. M. Hyman and E. K. Karlsson. 2,458,782, Jan. 11.
Piezoelectric crystal filter. A. R. D'heedene. 2,459,019, Jan. 11.
Pipe cutoff machine. R. L. Hibbard. 2,459,075, Jan. 11.
Pipe joint. S. D. Shearman. 2,459,005, Jan. 11.
Plate attachment, Trolling. E. R. Kottke. 2,458,785, Jan. 11.
Platter and platter support for postal scales. R. A. Dohl. 2,459,065, Jan. 11.
Pliers. G. W. Periman. 2,458,725, Jan. 11.
Pneumatic control accelerating pump. G. Griffon. 2,458,990, Jan. 11.
Polishing and glazing machine. C. O. Johnson and W. C. Burt. 2,458,708, Jan. 11.
Polymer from aqueous emulsion, Precipitating. L. Plambeck, Jr. 2,458,636, Jan. 11.
Positioning apparatus, Automatic. J. O. Mesa. 2,459,039, Jan. 11.
Potato seed cutter. J. A. and F. B. Cummings. 2,458,568, Jan. 11.
Power application device, Multiple. R. E. Campbell. 2,458,976, Jan. 11.
Power supply, High-potential. J. Evans. 2,458,577, Jan. 11.
Power take-off unit, Slip clutch. C. D. Peterson, A. H. Deimel, and C. H. Wolcott. 2,459,092, Jan. 11.
Power unit, Gas turbine. J. A. Johnson and C. E. Kenney. 2,459,079, Jan. 11.
Preinsulated aerial cable tap connector. J. Rogoff. 2,459,004, Jan. 11.
Preserving the effectiveness of a metal cleaning bath. H. G. Webster. 2,458,662, Jan. 11.
Press: *See*—
Baling press.
Preventing secondary reactions in catalytic processes. R. W. Krebs. 2,458,862, Jan. 11.
Primer and idler. W. R. S. Mills. 2,458,999, Jan. 11.
Printing machine, Screen. R. F. Foard. 2,458,773, Jan. 11.
Products obtained by reacting phosphorus pentasulfide with sulfurized ketones. F. P. Otto and R. E. Meyer. 2,459,090, Jan. 11.
Propeller mechanism for barges, scows, and the like, Outboard. A. W. Wanzer. 2,458,813, Jan. 11.
Protective device. G. F. Lincks. 2,458,948, Jan. 11.
Protector: *See*—
Circuit protector.
Protector for skis, Snow. O. Johnson. 2,458,602, Jan. 11.
Pulse communication. O. E. Dow. 2,458,574, Jan. 11.
Pulse system. H. O. Peterson. 2,458,633, Jan. 11.
Pulverized fuel burner. F. T. Hague. 2,458,992, Jan. 11.
Pump: *See*—
Electrically actuated Self-printing centrifugal pump. pump.
Pneumatic control acceler- Unidirectional flow gear ating pump. pump.
Pump and compressor, Internal gear. R. J. S. Pigott and E. A. Morl. 2,458,958, Jan. 11.
Pump for evaporative air coolers or the like. G. C. Rudd and C. B. Wright. 2,459,097, Jan. 11.
Pump means and motor means, Combined. B. R. Lipe and E. E. Schroeder. 2,459,036, Jan. 11.
Pump or motor, Reciprocating. J. C. Naylor. 2,458,869, Jan. 11.
Quick action switch. M. L. Jeffrey. 2,459,077, Jan. 11.
Quick disconnect coupling. P. P. Johnson. 2,458,910, Jan. 10.
Rack: *See*—
Film rack. Tie rack.
Floral rack.
Radio-frequency apparatus. E. L. Crandell. 2,458,684, Jan. 11.
Radiotelephone equipment. G. G. Bradley. 2,458,558, Jan. 11.
Ratchet-operating means. W. A. Tratsch. 2,459,008, Jan. 11.
Receiver, Cathode-ray ultra high frequency. A. R. Knight. 2,458,517, Jan. 11.
Receptacle: *See*—
Disposal receptacle.
Receptacle cover pry-off tool. J. C. Tippett. 2,458,806, Jan. 11.
Reciprocating cylinder internal-combustion engine. L. L. Zoch, Jr. 2,458,672, Jan. 11.
Rectifying system. H. Klemperer and W. F. Huntley. 2,458,516, Jan. 11.
Reducing sugars, Electrolytic process for. H. J. Creighton and R. A. Hales. 2,458,895, Jan. 11.
Reflectoscope, Supersonic. F. A. Firestone. 2,458,771, Jan. 11.
Refrigerating device for the manufacture of frozen comestibles. R. F. Harless. 2,458,940, Jan. 11.
Refrigeration apparatus, Two temperature. L. B. M. Buchanan. 2,458,560, Jan. 11.
Refrigeration system, Low-temperature. S. C. Collins. 2,458,894, Jan. 11.
Refrigeration unit, Two temperature. K. P. Groat. 2,458,589, Jan. 11.
Refrigerator provided with a defrosting control for the refrigeration system thereof. G. S. McCloy. 2,459,083, Jan. 11.
Reinforcing means for propeller blades, Rib. G. W. Brady. 2,458,975, Jan. 11.
Release for pendulum arms of testing machines, Pawl. R. W. Rogers and C. C. Blanch. 2,459,134, Jan. 11.
Release mechanism, Standing valve. E. M. Roark. 2,459,003, Jan. 11.
Remover, Cork. W. J. Hines. 2,458,778, Jan. 11.
Removing entrained gaseous fluids from solids. H. Z. Martin. 2,458,866, Jan. 11.
Repellent, Shark. R. L. Tuve, J. M. Fogelberg, F. E. Brinnick, and H. S. Springer. 2,458,540, Jan. 11.
Resinous products from acetylene and secondary and tertiary alkyl phenols, Producing. A. O. Zoss. 2,459,137, Jan. 11.
Resonator and wave guide apparatus, Coupled cavity. A. E. Bowen. 2,458,556, Jan. 11.
Restraining device, Cattle. H. Flohr, Jr. 2,458,582, Jan. 11.
Retarder, Corrosion. J. T. Rucker. 2,459,119, Jan. 11.
Revolving serving table. L. Crew. 2,459,017, Jan. 11.
Ring: *See*—
Auto tire chain ring.
Roll for suction cleaners, Brush. C. H. Taylor. 2,459,007, Jan. 11.
Roll tension device. S. H. Helland. 2,458,852, Jan. 11.
Roller bearing chain. S. Couper. 2,458,682, Jan. 11.
Rubber material, Making sponge. E. A. Eakins. 2,458,894, Jan. 11.
Rubber softened with sulfur dioxide and chlorine treated polyisobutylene reacted with ammonia. N. M. Elmore and A. M. Gessler. 2,458,841, Jan. 11.
Safety attachment. I. D. Houseman. 2,458,943, Jan. 11.
Safety for shotguns and the like, Trigger. T. L. Maynor. 2,458,616, Jan. 11.
Salt baths, Molten. H. G. Webster. 2,458,663, Jan. 11.
Sampling device. H. E. Goetz. 2,458,508, Jan. 11.
Scales, Spring testing. H. O. Hem. 2,458,704, Jan. 11.
Scaling, Preventing. W. J. Marencik and R. E. Ahlf. 2,458,715, Jan. 11.
Scalp conditioning cabinet. C. Fields. 2,458,901, Jan. 11.
Scanning device, Web. M. O. Bassett. 2,458,926, Jan. 11.
Seal for electric terminals and the like, Hermetic. S. H. Stupakoff. 2,458,748, Jan. 11.
Secondary electron emission tube. W. Soller. 2,458,539, Jan. 11.
Self-priming centrifugal pump. H. Lauchenauer. 2,458,607, Jan. 11.
Self-synchronous system. H. A. Giroud. 2,458,586, Jan. 11.
Sequence control. R. D. Cowherd and W. H. Stahl, Jr. 2,458,683, Jan. 11.
Serving combination. B. Hoppe. 2,458,907, Jan. 11.
Servo mechanism, Self-contained hydraulic. E. A. Rockwell. 2,458,736, Jan. 11.
Set, Tubing. N. M. Nesset and E. J. Nawoj. 2,458,722, Jan. 11.
Shaker, Salt and pepper. C. E. Nyberg. 2,459,133, Jan. 11.
Sharpener, Kitchen knife. J. B. Jacobson. 2,458,856, Jan. 11.
Shearing apparatus, Automatic. F. Luzzatto and J. C. Palmer. 2,458,612, Jan. 11.
Shelf, Serpentine freezer. G. Orley. 2,458,629, Jan. 11.
Shock absorbing mechanism for railway draft riggings, Friction. A. E. Dentler. 2,458,572, Jan. 11.
Shock-proof bottle container. M. B. Salkowitz. 2,458,737, Jan. 11.

Shoe, Furniture leg. R. E. Miller. 2,458,621, Jan. 11.
Sight for firearms, Grenade. J. C. Garand, E. G. Cooper, J. R. Bird, and H. C. Miller. 2,458,510, Jan. 11.
Sight, Shotgun. D. A. Pretzer. 2,458,638, Jan. 11.
Signaling system, Traffic. W. S. Halstead. 2,459,105, Jan. 11.
Ski, Water. C. Giacomelli. 2,458,775, Jan. 11.
Skill device. R. A. Wood. 2,458,668, Jan. 11.
Skirt hanger. A. J. Levine. 2,458,997, Jan. 11.
Slider and constructing the same. L. H. Morin. 2,458,914, Jan. 11.
Snap acting device. E. F. Kohl. 2,458,518, Jan. 11.
Socket, Incandescent lamp. P. M. and A. J. Parissi. 2,458,724, Jan. 11.
Socket, Testing. L. Hanopol. 2,458,993, Jan. 11.
Spark plug cleaner. A. J. Battey. 2,458,825, Jan. 11.
Spectacle construction, Detachable bridge-brace-bar. F. A. Stevens. 2,458,963, Jan. 11.
Spectrophotometry, Infrared. R. B. Barnes. 2,458,973, Jan. 11.
Spill valve. C. W. Morris. 2,459,000, Jan. 11.
Spool and bobbin assembly, Combination. T. D. Di Addario. 2,458,898, Jan. 11.
Spray, Eye. A. Rehn. 2,458,876, Jan. 11.
Spray trap. H. J. John. 2,458,909, Jan. 11.
Spring wheel. H. L. Harris. 2,458,941, Jan. 11.
Stand: *See*—
Child's nursing stand. Dispensing-display stand.
Step for trailers, Foldable. A. W. McDonald. 2,458,618, Jan. 11.
Sterilizer for barber shops and beauty parlors. M. Woehrel. 2,458,757, Jan. 11.
Stone cutting and polishing, Pallet. R. B. Mentzer. 2,458,913, Jan. 11.
Stop, Adjustable shaft. J. E. Barth. 2,459,012, Jan. 11.
Stop for cotton harvesters, Automatic. J. D. Rust. 2,458,531, Jan. 11.
Stop for motion-picture projectors, Film controlled safety. W. H. Gabel. 2,458,774, Jan. 11.
Stop for solenoids, Shock absorbent. M. L. Jeffrey. 2,459,078, Jan. 11.
Straddle link connector. C. J. Forbes. 2,458,935, Jan. 11.
Strip for insoles, Ribbed. F. E. Bertrand and A. S. Clark. 2,458,500, Jan. 11.
Structural element for high temperature service use. A. T. Cape. 2,458,502, Jan. 11.
Structure, Building. M. C. Knabe. 2,458,606, Jan. 11.
Sulfur and the products thereof, Preparing solutions of colloidal. H. Brunel. 2,458,764, Jan. 11.
Sulfur trioxide, Stabilization of. H. G. McCann. 2,458,718, Jan. 11.
Supersonic inspection. F. A. Firestone and J. R. Frederick. 2,458,581, Jan. 11.
Support: *See*—
Article support. Tube support.
Table lid support.
Support for adjustable lighting fixtures. A. E. Wiedenhoeft. 2,458,967, Jan. 11.
Support for use on surgical operating tables, Arm. A. R. Kraus. 2,459,033, Jan. 11.
Supporting strut. G. O. Turnbull. 2,458,808, Jan. 11.
Suspension for tensioned filaments of electron space charge devices, Vibration suppressing. P. Schwerin. 2,458,534, Jan. 11.
Suspension for vehicles, Wheel. C. N. Aronson. 2,458,548, Jan. 11.
Suspension system. B. B. Bachman and D. J. Macklin. 2,458,549, Jan. 11.
Switch: *See*—
Automatic switch. Quick action switch.
Master safety switch. Thermostatic switch.
Switch construction, Automatic. W. O. Schultz. 2,458,800, Jan. 11.
Switch device, Electrical. R. F. Beck. 2,458,927, Jan. 11.
Switch mechanism, Time controlled. R. L. Hughes. 2,458,853, Jan. 11.
Switch stud and fuse clip, Combined. W. G. Harlow. 2,458,511, Jan. 11.
Synthesis of alkyl substituted styrene polymers, Direct. A. F. McKay. 2,459,109, Jan. 11.
Table: *See*—
Revolving serving table.
Table furnished with adjustable work-supporting arms, Mechanic's work-holding. W. Killius. 2,459,080, Jan. 11.
Table lid support. E. W. North. 2,458,627, Jan. 11.
Tampons, Making. J. R. Crockford. 2,458,685, Jan. 11.
Tape, Fish measuring. G. Von Koscielski. 2,458,811, Jan. 11.
Tappet-actuating member. J. R. Waidelich. 2,458,752, Jan. 11.
Telescoping tube screw jack. C. A. Snyder. 2,458,961, Jan. 11.
Television, Color. O. H. Schade. 2,458,649, Jan. 11.
Television system, Invisible light. W. A. R. Malm. 2,458,865, Jan. 11.
Terminal loop former, Wire. C. L. Sherman. 2,458,536, Jan. 11.
Tester, Drill stem. A. S. Parks. 2,458,631, Jan. 11.
Testing apparatus, Tube. P. Warren. 2,458,814, Jan. 11.
Testing ignitions, Method of and apparatus for. W. M. Bauer. 2,458,974, Jan. 11.
Thermostatic switch. J. W. Tucker. 2,458,807, Jan. 11.
Tie rack. C. Sova. 2,459,006, Jan. 11.
Tile, Acoustical. G. S. Willey and O. W. Frost. 2,459,121, Jan. 11.
Timer for folding apparatus. T. S. Watson. 2,458,544, Jan. 11.
Timing device, Automatic. W. H. Mitsch. 2,459,041, Jan. 11.
Timing device for high-speed motion-picture cameras. R. G. Stoner and C. W. Lampson. 2,458,882, Jan. 11.
Tin, Electroplating of. F. A. Lowenheim. 2,458,912, Jan. 11.
Tool: *See*—
Multiple spindle machine Receptacle cover pry-off tool. tool.
Tool. J. W. Slayton, Jr. 2,458,880, Jan. 11.
Tool for grinding wheels, Dressing. G. J. Wallen. 2,458,812, Jan. 11.
Tool for openings in sheet metal, Flange forming. C. Evensen. 2,458,842, Jan. 11.
Tool for pipes and the like, Reamer. T. A. Caliendo. 2,458,681, Jan. 11.
Topper, Beet. R. P. Messenger. 2,458,790, Jan. 11.
Topper, Beet. J. W. Orendorff. 2,458,795, Jan. 11.
Toy, Figured spinning. F. Harris. 2,458,851, Jan. 11.
Toy gun. A. H. Boese. 2,458,828, Jan. 11.
Toy, Molding. B. Pihak. 2,458,728, Jan. 11.
Toy or puzzle, Mystery. J. C. Wilson. 2,458,969–70, Jan. 11.
Toy railroad and sound producing means therefor, Combined. J. H. McKnight. 2,459,038, Jan. 11.
Trailer, Camping. R. F. Hardy. 2,459,026, Jan. 11.
Trainer for enabling the giving of radio instruction. E. L. Baulch. 2,458,550, Jan. 11.
Transformer mounting. W. H. Gilman. 2,459,023, Jan. 11.
Transmission, Angle drive torque converter. C. D. Peterson and A. H. Deimel. 2,459,093, Jan. 11.
Transmission drive adjustment, Power. H. J. Mertz. 2,458,720, Jan. 11.
Transmission mechanism. C. D. Peterson and A. H. Deimel. 2,459,094, Jan. 11.
Transmission, Pneumatic variable torque. E. H. Piron. 2,458,726, Jan. 11.
Transmitting apparatus, Angular motion. A. P. Adamson. 2,458,921, Jan. 11.
Trap: *See*—
Spray trap.
Trellis, Convertible knockdown garden. C. A. Conklin. 2,458,931, Jan. 11.
Tripod head. E. Miller. 2,459,040, Jan. 11.
Tripod head, Panoramic tilting. R. J. Pagliuso. 2,458,872, Jan. 11.
Truck body, Convertible. W. W. Gentry. 2,459,022, Jan. 11.
Tube: *See*—
Beam power tube. Secondary electron emission tube.
Cathode-ray tube.
Electron tube.
Tube and heater type cathode therefor, Electron. C. F. Miller. 2,459,086, Jan. 11.
Tube comprising electrodes secured to rods, Electric discharge. J. C. Janssen. 2,458,945, Jan. 11.
Tube drill means, Abrasive. H. V. Allison. 2,459,122, Jan. 11.
Tube-forming device. F. V. Collins. 2,458,563, Jan. 11.
Tube support. J. Young, Jr. 2,458,670, Jan. 11.
Tuning and indicating mechanism. F. A. Dawson. 2,458,690, Jan. 11.
Unidirectional flow gear pump. G. F. Bunte. 2,458,678, Jan. 11.
Unit for conventional fishing lures or bait, Illuminating. T. K. Long. 2,458,611, Jan. 11.
Unloader for reciprocating gas compressors. W. E. Dodson. 2,458,933, Jan. 11.
Upholstery pad. L. Gordon and L. L. Williams. 2,458,588, Jan. 11.
Utilizing microwave radiation from the sun, System for and method of. G. C. Southworth. 2,458,654, Jan. 11.
Valve: *See*—
Ear protector valve. Multiple check valve.
Hose coupling valve. Spill valve.
Valve for accordions and like musical instruments, Double. R. Seybold. 2,458,653, Jan. 11.
Valve for oil temperature control units. W. Worth. 2,458,547, Jan. 11.
Vapor electric device with cooling coil serving as heating resistor. H. Winograd. 2,459,057, Jan. 11.
Variable load brake. H. N. Sudduth. 2,458,965, Jan. 11.
Vegetable meals, Treatment of oil-bearing. L. O. Buxton. 2,458,680, Jan. 11.
Vehicle coupling or hitch structure, Weight transferring. L. R. Simmons. 2,459,098, Jan. 11.
Vehicle for invalids. S. Duke. 2,459,066, Jan. 11.
Vehicle road wheel. F. W. Baker. 2,458,761, Jan. 11.
Vehicle unloading construction. E. J. Sattler. 2,458,799, Jan. 11.
Vessel and connection arrangements for the same, Mercury vapor discharge. E. Kohler. 2,458,861, Jan. 11.
Vibration control, Cutter tool. R. G. Hummer. 2,458,995, Jan. 11.
Vibrator. R. J. Aust. 2,458,822, Jan. 11.
Vinyl compounds, Stabilization of. J. R. Durland. 2,458,494, Jan. 11.

Vinyl copolymer and its production. R. W. Quarles. 2,458,639, Jan. 11.
Weather strips, Making. L. Spraragen. 2,459,120, Jan.

Jan. 11.

Jan. 11.

Bauer. 2,458,974, Jan. 11.

Vinyl copolymer and its production. R. W. Quarles. 2,458,639, Jan. 11.

Vinyl halide resins, Color stabilization of. F. W. Cox and J. M. Wallace, Jr. 2,459,127, Jan. 11.

Visor. A. D. Brundage. 2,458,677, Jan. 11.

Visor. F. L. Jacobs. 2,458,707, Jan. 11.

Visor, Sun. T. Rea. 2,458,918, Jan. 11.

Vitamin-fortified meals, Preparation of. L. O. Buxton. 2,458,679, Jan. 11.

Wall structure, Flexible. J. J. Skelly. 2,458,537, Jan. 11.

Wallet with auxiliary or secret billfold. S. Knee. 2,458,711, Jan. 11.

Weather strips, Making. L. Spraragen. 2,459,120, Jan. 11.

Well logging method, Radio activity. G. Herzog. 2,458,596, Jan. 11.

Wheel: *See*—
Spring wheel. Vehicle road wheel.

Winding system and apparatus. R. Bouvet. 2,458,555, Jan. 11.

Window sash lock. R. O. Britton. 2,458,559, Jan. 11.

Wiper device for car axle journals and the like. E. Armstrong. 2,459,058, Jan. 11.

Wrapping saw blades or the like, Method and apparatus for. H. E. and G. W. Wilson. 2,458,971, Jan. 11.

Wrist watch holder. V. T. O'Donnell. 2,458,793, Jan. 11.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 11, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2—	21:	2,458,709
	42:	2,458,696
	43:	2,458,712
	226:	2,459,043
	268:	2,458,646
5—	282:	2,458,595
6—	10:	2,458,838
12—	67:	2,458,588
15—	263:	2,459,007
16—	42:	2,458,621
	44:	2,458,922
	125:	2,458,754
		2,458,853
18—	30:	2,459,048
	53:	2,458,694
	55:	2,458,685
19—	117:	2,458,732
	134:	2,458,862
20—	1:	2,458,727
	57.5:	2,458,619
	92:	2,458,926
21—	81:	2,458,757
22—	134:	2,459,026
	202:	2,459,084
23—	14:	2,458,708
	67:	2,458,947
	151:	2,458,505
	152:	2,459,124
	167:	2,458,718
	193:	2,458,902
	209.4:	2,458,996
	254:	2,458,610
	268:	2,458,866
		2,458,960
		2,459,056
24—	179:	2,458,810
	194:	2,459,020
	206.15:	2,458,914
25—	42:	2,458,564
	131.5:	2,459,044
28—	51:	2,458,565
29—	105:	2,458,995
	155.55:	2,458,582
	160.6:	2,458,645
	240:	2,458,961
	288:	2,459,080
31—	82:	2,458,779
33—	51:	2,458,636
	56:	2,458,510
	138:	2,458,811
34—	216:	2,458,617
35—	14:	2,458,550
	29:	2,458,984
36—	22:	2,458,500
	45:	2,458,962
	71:	2,458,501
38—	140:	2,458,698
	141:	2,458,613
40—	35:	2,458,657
	102:	2,458,729
42—	16:	2,458,647
	70:	2,458,616
43—	4:	2,458,671
	44:	2,458,611
44—	69:	2,458,980
46—	36:	2,458,879
	45:	2,458,969
		2,458,970
	46:	2,458,728
	50:	2,458,851
	161:	2,459,100
47—	44:	2,458,981
	60:	Pl.Pt.820
	62:	Pl.Pt.819
49—	84:	2,458,934
51—	8:	2,458,826
	43:	2,458,765
	85:	2,458,708
	122:	2,458,840
	198:	2,459,055
	214:	2,458,856
	238:	2,459,068
	283:	2,458,913
55—	107:	2,458,790
		2,458,795
56—	11:	2,458,531
56—	18:	2,458,782
	364:	2,458,713
57—	10:	2,458,964
58—	19:	2,459,107
60—	19:	2,458,726
	35.6:	2,458,600
	41:	2,459,079
	52:	2,458,736
		2,458,744
	54.5:	2,458,803
	97:	2,458,900
		2,458,976
62—	4:	2,458,560
		2,459,083
	114:	2,458,940
	115:	2,458,889
	123:	2,458,894
	136:	2,458,629
66—	45:	2,459,133
67—	7.1:	2,458,832
		2,459,065
	52:	2,459,042
69—	20:	2,458,530
70—	264:	2,459,029
	456:	2,458,938
72—	41:	2,459,028
	106:	Re.23,074
	134:	2,458,942
73—	7:	2,458,963
	67:	2,458,581
	98:	2,459,134
	161:	2,458,704
	209:	2,458,637
	400:	2,458,759
	401:	2,458,783
	421:	2,458,508
74—	1:	Re.23,077
	15.86:	2,459,092
	16:	2,458,590
	22:	2,458,991
	51:	2,458,869
	126:	2,458,716
		2,459,008
	242.13:	2,458,575
	242.15:	2,458,720
		2,458,767
	245:	2,458,682
	264:	2,458,935
	365:	2,459,094
	526:	2,459,012
	527:	2,458,859
	566:	2,458,752
	720:	2,459,093
	750:	2,458,706
75—	12:	2,458,651
	171:	2,458,502
76—	107:	2,458,867
77—	13:	2,459,013
	32:	2,458,929
	58:	2,458,753
	73:	2,458,681
78—	61:	2,458,715
81—	3.45:	2,458,778
	3.46:	2,458,806
	51:	2,458,725
	88:	2,458,622
	165:	2,458,794
84—	312:	2,459,102
		2,459,103
	376:	2,458,653
	408:	2,458,875
88—	2.4:	2,458,831
	24:	2,458,648
		2,458,769
		2,458,860
	41:	2,458,592
		2,458,593
		2,458,594
		2,458,968
		2,459,021
	51:	2,459,051
	57:	2,458,836
89—	37:	2,458,608
		2,458,966
90—	21.5:	2,458,597
91—	12.5:	2,458,509
	18:	2,458,674
91—	51:	2,459,091
93—	3:	2,458,971
	35:	2,458,972
95—	2:	2,458,905
	6:	2,459,136
	88:	2,458,877
	100:	2,458,699
98—	1.5:	2,459,000
99—	11:	2,458,679
	153:	2,458,680
	261:	2,458,640
100—	23:	2,458,994
101—	115:	2,458,773
	149.4:	2,459,067
	426:	2,458,981
102—	2:	2,458,576
103—	25:	2,458,683
	38:	2,458,821
	87:	2,458,936
		2,459,097
	113:	2,458,607
	120:	2,458,955
	126:	2,458,678
		2,458,958
	221:	2,459,008
104—	216:	2,458,786
	242:	2,458,903
105—	273:	2,459,085
106—	56:	2,458,533
108—	1:	2,458,606
110—	28:	2,458,992
	98:	2,458,798
113—	17:	2,458,529
	112:	2,458,688
	116:	2,458,989
	117:	2,458,762
114—	221:	2,459,060
115—	32:	2,458,775
	35:	2,458,813
116—	134:	2,458,979
117—	51:	2,458,660
	75:	2,459,018
119—	108:	2,458,582
	104:	2,458,717
120—	14.9:	2,458,739
123—	80:	2,458,672
	108:	2,459,061
	174:	2,458,609
124—	27:	2,458,828
125—	11:	2,458,605
		2,458,768
	20:	2,459,122
	37:	2,458,812
126—	116:	2,458,968
128—	1:	2,458,950
		2,458,959
	100:	2,459,081
	146:	2,458,580
	152:	2,458,884
	229:	2,458,719
	249:	2,458,876
	354:	2,458,911
	375:	2,458,901
130—	33:	2,458,791
134—	3:	2,458,661
136—	107:	2,458,878
137—	144:	Re.23,076
139—	159:	2,458,986
140—	93:	2,458,747
	104:	2,458,536
142—	132:	2,458,846
144—	281:	2,458,788
146—	44:	2,458,506
	78:	2,458,568
148—	13.1:	2,458,655
150—	0.5:	2,458,570
	35:	2,458,567
	36:	2,458,711
152—	84:	2,458,941
	229:	2,458,522
	242:	2,458,642
	375:	2,458,761
153—	10:	2,458,587
	25:	2,458,842
	32:	2,458,906
	48:	2,459,132
	67:	2,458,789
153—	73:	2,458,854
154—	42:	2,458,563
	49:	2,458,750
	54:	2,458,588
	84:	2,459,120
	110:	2,458,864
	136:	2,458,866
155—	22:	2,459,086
	194:	2,458,890
156—	11:	2,458,542
	28:	2,458,916
	46.5:	2,458,909
	53:	2,458,630
	76:	2,458,541
	110:	2,458,543
160—	190:	2,458,604
	232:	2,458,537
164—	18:	2,458,538
	49:	2,458,612
	50:	2,458,534
		2,459,101
	60:	2,459,075
	118:	2,459,058
166—	1:	2,458,631
167—	16:	2,458,540
	30:	2,459,062
170—	135:	2,458,785
	159:	2,458,975
171—	76:	2,458,687
	96:	2,458,565
		2,458,659
		2,459,081
	97:	2,458,774
		2,459,041
	119:	2,458,700
	123:	2,458,507
	262:	2,458,569
		2,458,904
	327:	2,458,615
		2,458,987
172—	126:	2,458,545
		2,458,770
173—	324:	2,459,032
		2,459,118
174—	35:	2,458,998
	71:	2,459,004
	152:	2,458,748
175—	183:	2,458,601
		2,458,698
		2,458,665
		2,458,806
		2,458,974
	294:	2,458,583
		2,458,964
	341:	2,459,078
	356:	2,459,023
	363:	2,458,516
		2,458,937
		2,459,069
176—	126:	Re.23,078
177—	337:	2,458,982
178—	5.2:	2,458,649
	6:	2,458,654
		2,458,865
	22:	2,458,724
	44:	2,458,566
		2,459,019
	102:	2,459,027
179—	15:	2,459,131
	28:	2,458,557
	100.3:	2,458,641
	171:	2,458,849
		2,459,046
181—	23:	2,459,121
183—	15:	2,458,745
	70:	2,458,909
184—	6:	2,458,763
187—	52:	2,458,702
188—	5:	2,459,016
	65.2:	2,458,943
	69:	2,458,733
189—	40:	2,459,087
191—	1:	2,459,099
192—	8:	2,458,705
	17:	2,458,664
	123:	2,458,623
198—	35:	Re.23,079
195—	36:	2,458,495
196—	52:	2,458,498
		2,458,499
		2,459,006
200—	38:	2,458,853
	48:	2,458,792
	52:	2,458,980
	67:	2,458,518
	70:	2,459,077
	90:	2,458,822
	98:	2,458,989
	114:	2,458,511
		2,458,724
		2,458,742
		2,458,743
	116:	2,458,804
		2,458,807
	127:	2,458,948
	142:	2,459,015
	146:	2,458,800
	164:	2,458,927
201—	48:	2,458,735
		2,458,829
	51:	2,458,957
202—	12:	2,458,515
204—	11:	2,459,129
	36:	2,458,525
	43:	2,458,827
	45:	2,458,839
	54:	2,458,912
	55:	2,458,504
	77:	2,458,895
	105:	2,458,908
	163:	2,459,049
	197:	2,459,123
	199:	2,458,676
206—	38:	2,458,923
	45.14:	2,458,695
		2,458,766
	47:	2,458,898
	58:	2,458,844
209—	72:	2,458,546
	166:	2,458,523
	398:	2,458,887
210—	24:	2,458,893
	42.5:	2,458,819
	148:	2,458,673
	164:	2,458,625
	200:	2,459,062
211—	89:	2,459,006
	113:	2,458,820
	147:	2,458,907
	178:	2,459,110
213—	24:	2,458,572
214—	56:	2,458,738
	65:	2,459,045
	65.2:	2,458,790
	93:	2,458,915
	120:	2,458,949
219—	4:	2,458,758
		2,458,928
	8:	2,458,723
	10:	2,459,047
	15:	2,458,871
	19:	2,458,837
	39:	2,458,835
	46:	2,458,801
222—	14:	2,458,978
	263:	2,459,010
223—	68:	2,458,917
	69:	2,458,680
	71:	2,458,998
	88:	2,458,997
	105:	2,459,001
224—	4:	2,458,793
	7:	2,458,675
226—	101:	2,458,858
229—	7:	2,459,073
		2,459,130
	23:	2,458,578
		2,458,834
	90:	2,458,737
230—	22:	2,458,933
	117:	2,458,730
	152:	2,458,620
	153:	2,459,071
232—	43.2:	2,458,868
235—	12:	2,458,850
		2,458,863
	61:	2,458,697
		2,458,740
		2,459,106
236—	34:	2,458,547
	44:	2,458,947
240—	2:	2,458,721
244—	36:	2,459,009
	81:	2,458,845
	87:	2,458,896
	123:	2,458,686
	128:	2,458,855
246—	38:	2,458,746
248—	27.8:	2,459,024
	42:	2,458,881
	56:	2,458,670
	97:	2,458,797
	183:	2,458,873
		2,459,040
	230.5:	2,458,807
	263:	2,458,643
	289:	2,458,967
	311:	2,458,871
	343:	2,459,034
	354:	2,458,808
250—	6:	2,458,558
		2,459,105
	16:	2,458,690
	17:	2,458,638
	20:	2,458,517
	27:	2,458,539
		2,458,553
		2,458,590
	27.5:	2,458,534
		2,458,698
		2,458,945
		2,459,072
		2,459,086
	33.57:	2,458,865
	36:	2,458,650
		2,458,684
	41.8:	2,458,926
	43:	2,458,691
		2,458,973
	83.6:	2,458,596
		2,458,632
	155:	2,458,962
	164:	2,458,652
251—	8:	2,458,800
	106:	2,458,873
252—	33.6:	2,458,827
	42.7:	2,459,113
		2,459,114
		2,459,118
	47.5:	2,459,115
		2,459,119
	49.7:	2,458,585
	51.5:	2,458,526
		2,459,112
	186:	2,458,662
		2,458,663
	313:	2,458,764
254—	89:	2,458,986
	100:	2,458,961
	190:	2,458,573
257—	4:	2,458,561
	32:	2,459,095
	205:	2,458,826
	228:	2,458,756
259—	92:	2,458,692
260—	28:	2,458,772
	29.4:	2,459,052
	43:	2,458,639
		2,458,796
	45.5:	2,458,841
		2,459,125
	45.75:	2,459,127
	62:	2,459,137
	78.5:	2,458,636
	79.5:	2,458,843
	80.7:	2,459,126
	89.5:	2,458,888
	98.5:	2,459,109
	126:	2,459,090
	187:	2,458,776
	209:	2,459,108

260—	251:	2,459,111
	296:	2,458,584
260—	535:	2,458,741
	556:	2,459,002
273—	1:	2,458,892
	20:	2,459,087
282—	23:	2,458,965
284—	4:	2,458,899
296—	95:	2,458,918
	97:	2,458,677
315—	40:	2,459,030
	58:	2,458,861
	371:	2,458,814

260— 281: 2,459,111
286: 2,458,564
2,458,585
2,459,126
318: 2,458,135
320: 2,458,512
2,458,513
2,458,514
2,458,519
2,458,520
2,458,521
338: 2,458,556
345: 2,458,557
404.5: 2,459,066
419: 2,459,054
424: 2,458,554
429: 2,459,063
448.2: 2,458,944
448.6: 2,458,570
473: 2,458,523
475: 2,459,014
484: 2,459,059

260— 535: 2,458,741
556: 2,459,002
507: 2,458,638
515: 2,459,076
553: 2,458,561
606.5: 2,458,494
674: 2,458,777
683.15: 2,458,818
2,458,977
683.3: 2,458,862
751: 2,458,562
814: 2,458,780
261— 34: 2,458,990
262— 30: Re.23,078
33: 2,458,946
263— 19: 2,458,497
40: 2,458,624
265— 63: 2,458,699
73: 2,459,065
267— 36: 2,458,548
270— 83: 2,458,544
272— 67: 2,458,668

273— 1: 2,458,892
20: 2,459,087
35: 2,458,982
72: 2,458,919
80: 2,458,920
89: 2,459,011
134: 2,458,986
274— 10: 2,458,496
17: 2,459,088
277— 60: 2,458,710
279— 47: 2,458,899
62: 2,458,626
64: 2,458,824
280—11.35: 2,458,602
33.15: 2,458,848
33.44: 2,458,467
2,459,096
33.55: 2,458,466
56: 2,458,924
124: 2,458,816
132: 2,459,050
166: 2,458,618

282— 23: 2,458,965
284— 4: 2,458,899
2,458,910
285— 25: 2,458,614
47: 2,458,005
84: 2,458,722
97.3: 2,458,714
120: 2,458,817
123: 2,458,553
168: 2,458,574
183: 2,458,635
286— 10: 2,458,988
287— 100: 2,458,781
119: 2,458,740
292— 140: 2,458,787
198: 2,458,751
214: 2,458,559
241: 2,458,591
341: 2,458,526
343: 2,459,070
296— 10: 2,459,022
23: 2,459,026

296— 95: 2,458,918
97: 2,458,677
2,458,707
117: 2,459,089
301— 37: Re.23,075
303— 22: 2,458,965
305— 9: 2,458,549
10: 2,458,755
306— 32: 2,458,818
33: 2,458,980
308— 99: 2,459,036
311— 10: 2,459,033
32: 2,459,017
62: 2,458,627
314— 64: 2,458,503
315— 6: 2,458,556
23: 2,458,534
24: 2,458,771
27: 2,458,532
31: 2,458,891
39: 2,458,577
40: 2,458,802

315— 40: 2,459,030
58: 2,458,861
371: 2,458,814
316— 30: 2,459,057
318— 6: 2,459,064
24: 2,458,586
2,458,921
28: 2,458,731
2,459,039
31: 2,458,983
206: 2,458,701
489: 2,458,784
322— 25: 2,458,656
323— 37: 2,458,644
332— 4: 2,459,104
5: 2,458,574
22: 2,458,780
39: 2,458,830
42: 2,458,579
343— 7: 2,459,117
9: 2,459,074
346— 107: 2,458,882

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,458,304: 204—55
2,458,308: 146—44
2,458,517: 260—20
2,458,538: 262—40.7
2,458,587: 180—233
2,458,592: 62—4
2,458,562: 260—751
2,458,570: 150—0.5
2,458,571: 248—311
2,458,574: 332—5
2,458,578: 220—23
2,458,579: 332—42
2,458,590: 74—16
2,458,626: 279—62
2,458,636: 260—78.5
2,458,641: 179—100.3

2,458,643: 248—263
2,458,645: 29—160.6
2,458,655: 148—13.1
2,458,658: 322—25
2,458,676: 204—198
2,458,678: 103—126
2,458,680: 99—153
2,458,696: 244—123
2,458,700: 171—119
2,458,706: 74—750
2,458,718: 23—167
2,458,720: 74—242.15
2,458,734: 200—114
2,458,736: 60—19
2,458,747: 140—93
2,458,760: 332—22

2,458,761: 152—375
2,458,767: 74—242.15
2,458,771: 315—24
2,458,774: 171—97
2,458,780: 260—814
2,458,786: 104—216
2,458,789: 153—67
2,458,802: 315—40
2,458,808: 248—354
2,458,814: 315—371
2,458,823: 260—473
2,458,826: 257—205
2,458,830: 332—39
2,458,843: 260—79.5
2,458,846: 143—132
2,458,852: 19—134

2,458,861: 315—38
2,458,866: 232—43.2
2,458,873: 251—105
2,458,885: 250—33.57
2,458,886: 154—136
2,458,888: 260—89.5
2,458,889: 279—47
2,458,894: 62—123
2,458,979: 249—220.5
2,458,903: 104—242
2,458,907: 211—147
2,458,909: 183—70
2,458,914: 24—205.15
2,458,929: 77—32
2,458,944: 260—448.2
2,458,948: 200—127

2,458,949: 214—120
2,458,961: 29—240
2,458,962: 36—45
2,458,962: 250—155
2,458,967: 248—289
2,458,978: 222—14
2,458,980: 44—69
2,458,981: 101—426
2,458,985: 103—120
2,459,005: 285—47
2,459,009: 244—36
2,459,010: 222—263
2,459,011: 273—89
2,459,012: 74—526
2,459,022: 206—10
2,459,030: 315—40

2,459,031: 128—100
2,459,043: 2—226
2,459,053: 260—29.4
2,459,067: 316—30
2,459,069: 167—30
2,459,073: 229—7
2,459,093: 74—720
2,459,099: 191—1
2,459,104: 332—4
2,459,109: 260—93.5
2,459,113: 252—42.7
2,459,119: 252—47.5
2,459,126: 260—80.7
2,459,127: 260—45.75
2,459,128: 260—296

CLASSIFICATION OF DESIGNS

D 3—12: Des. 152,381
19: Des. 152,318
D 7— 4: Des. 152,376
D 9— 2: Des. 152,328
6: Des. 152,375
D14— 3: Des. 152,320
Des. 152,322
Des. 152,334
Des. 152,335
6: Des. 152,316
Des. 152,340
D15— 6: Des. 152,333
8: Des. 152,383

D15—11: Des. 152,346
D20— 4: Des. 152,345
D23— 1: Des. 152,329
D26— 1: Des. 152,315
7: Des. 152,344
14: Des. 152,332
D29—17: Des. 152,378
D33— 9: Des. 152,347
14: Des. 152,330
16: Des. 152,331
19: Des. 152,384
D34— 8: Des. 152,314
D42— 8: Des. 152,352

D42— 8: Des. 152,353
Des. 152,354
Des. 152,355
Des. 152,356
Des. 152,357
D45— 4: Des. 152,361
9: Des. 152,358
Des. 152,362
Des. 152,364
Des. 152,365
16: Des. 152,337
Des. 152,359
Des. 152,360

D45—16: Des. 152,363
19: Des. 152,366
Des. 152,367
D48— 2: Des. 152,382
4: Des. 152,336
20: Des. 152,339
Des. 152,343
Des. 152,348
27: Des. 152,386
D52—10: Des. 152,377
D54— 6: Des. 153,350
13: Des. 152,351
Des. 152,374

D55— 1: Des. 152,317
Des. 152,338
D56— 1: Des. 152,349
4: Des. 152,341
Des. 152,385
D57— 1: Des. 152,368
Des. 152,373
Des. 152,387
D58—12: Des. 152,324
26: Des. 152,327
D61— 1: Des. 152,380
D62— 2: Des. 152,325
Des. 152,326

D62— 4: Des. 152,372
D71— 1: Des. 152,342
D80—11: Des. 152,371
D81—10: Des. 152,321
Des. 152,323
D85— 2: Des. 152,313
Des. 152,370
Des. 152,379
8: Des. 152,319
Des. 152,369

U. S. GOVERNMENT PRINTING OFFICE: 1949

January 18, 1949 Volume 618 Number 3

January 18, 1949 Volume 618 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business Dec. 31, 1948

Total number of patent applications awaiting action, 154,895. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

	Oldest new application	Oldest amended application
Chemical	Dec. 31, 1946	Apr. 18, 1946
Electrical	Jan. 2, 1947	Apr. 18, 1946
Mechanical	Jan. 2, 1947	Apr. 18, 1946
Design	Jan. 2, 1947	Apr. 18, 1946

Contents

	Page
Issue of January 18, 1949	654
Patents Expiring	654
Applications Under Examination	655
Decisions of the U. S. Courts	
American Cyanamid Company and William B. Johnston v. Lawrence C. Kingsland, Commissioner of Patents	657
Patent Suits	658
Notices	
Adjudicated Patent	659
Register of Patents Available for Licensing or Sale	659
Trade-Marks	
Published (306 Applications)	675
Registrations Granted	714
Registrations Renewed	731
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	734
Registrations—New Certificates	734
Registrations Republished (481 Registrations)	735
Patents Granted	795
Designs	954

January 18, 1949

Trade-Marks	66—No.	441,830 to No.	441,895, inclusive
T. M. (Act of 1946)	248—No.	505,665 to No.	505,912, inclusive
T. M. Renewals	61		
Patents	641—No.	2,459,138 to No.	2,459,778, inclusive
Designs	60—No.	152,388 to No.	152,447, inclusive
Total	1,076		

Patents expiring: Patent Numbers 1,841,352 to 1,842,371, inclusive, issued January 19, 1932, expire January 19, 1949

Condition of Applications Under Examination at Close of Business Dec. 31, 1948

Total number of patent applications awaiting action, 154,895. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	7-23-47	6-3-47	2860
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-25-47	12-4-46	2080
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	4-12-48	4-1-48	1227
4. BISHOP, WALTER O., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	4-26-47	3-12-47	4177
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	9-4-47	1-9-47	1624
6. SURLE, H., Carbon Chemistry (part)	2-17-48	11-20-47	1920
7. HANLIN, GEORGE, Optics; Photographic Apparatus	4-1-48	12-26-47	1007
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	4-30-47	1-17-47	4464
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-1-47	3-25-47	2467
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-31-48	3-6-48	1566
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	9-5-47	11-22-46	2818
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-22-48	11-1-46	2218
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	1-8-47	1-15-47	2396
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	3-1-48	12-19-47	1346
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	12-19-47	6-19-47	1978
16. LOVEWELL, N. N., Television; Telephony	4-3-48	8-26-47	1669
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	6-10-47	12-2-46	2149
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	11-4-47	12-19-46	2191
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1837
20. BROWN L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	8-4-47	3-31-47	2044
21. MADER, R. C., Textiles	12-31-47	10-27-47	1257
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	4-17-47	5-11-47	1707
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	2-6-48	12-21-46	1181
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	12-2-47	12-1-47	2654
25. BLAKELY, O. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors: Distillation.	3-31-48	5-15-47	1775
26. YOUNG, R. R., Electricity—Generation, Motive Power; Transmission to Vehicles; Elevators	8-15-47	4-18-47	1212
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	8-12-47	2-15-47	3099
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	4-2-48	12-24-47	1025
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	4-29-47	4-17-47	3219
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	4-1-48	4-1-48	1050
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	4-24-48	4-24-48	2106
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	5-6-47	11-5-46	2214
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	4-30-47	2-3-47	3752
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	10-31-47	2-3-47	1307
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	5-9-47	12-31-46	3448
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	1-15-47	1-8-47	2020
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-6-48	6-19-47	1375
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-14-48	10-8-47	1506
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	8-16-47	11-14-46	3002
40. DRUMMOND, E. J., Receptacles (part); Packages	2-26-48	3-4-47	3330
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-1-48	12-26-46	2265
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	5-5-48	4-8-48	1130
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	4-13-48	1-21-48	1298
44. HARVEY, L. P., Refrigeration; Preserving	1-2-47	1-31-47	1022
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-5-47	10-16-46	2579
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	9-29-47	1-29-47	1851

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,895. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. SCHAEFER, C. W., Boot and Shoe Manufacture; Cutlery; Leather Manufactures; Nailing and Stapling	4-1-48	12-26-47	1007
48. HOFFMAN, J. D., Electricity, Circuit Makers and Breakers	4-1-48	12-26-47	1007
49. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
50. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
51. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
52. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
53. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
54. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
55. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
56. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
57. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
58. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
59. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007
60. HOLLIS, R. F., Electricity, Motive Power; Transmission to Vehicles; Elevators	4-1-48	12-26-47	1007

DECISIONS IN PATENT AND TRADE-MARK CASES

United States District Court

for judgment on their merits. Claims 11, 14, 15 and

Total number of patent applications awaiting action, 154,895. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-1-48	10-6-47	2205
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	4-14-48	8-2-47	1467
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	7-1-47	2-7-47	1877
50. LEVIN, SAMUEL, Synthetic Resins	4-21-48	1-10-48	2139
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-3-48	1-6-48	1631
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	12-10-47	2-3-47	3934
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	8-20-47	11-27-46	2515
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-3-48	8-25-47	1654
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	2-3-48	11-4-47	1852
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	10-24-47	10-21-47	1778
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	7-11-47	2-7-47	3573
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	5-2-47	1964
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-20-47	12-11-46	1567
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-3-48	11-29-47	1273
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	9-25-46	3792
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	1-5-48	5-16-47	1644
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-2-48	9-23-47	1909
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-3-48	6-1-48	1651
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-1-48	10-6-47	2356
66. LISANN, I., Geometrical Instruments	3-15-48	4-18-46	2042
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	2-12-48	7-23-47	2085
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-17-48	12-2-47	1503
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-4-47	2191
70. BREWBINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-8-47	2-13-47	1013
DESIGNS: BREHM, G. L.	4-14-47	4-16-48	7200

Total number of trade-mark applications awaiting action (including renewals and republications), 36,729. Date of oldest new application, Oct. 17, 1947; date of oldest amended application, Jan. 2, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-9-48	6-5-48	3137
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	11-1-47	6-10-48	5082
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-17-47	7-14-48	5312
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	11-3-47	5-14-48	4714
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-24-47	7-1-48	3742
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-26-48	1-2-48	3459
7. KEYS, O. M., Classes 16, 19, 55	11-20-47	4-1-48	2316
8. GEDIMAN, H. W. — Renewals — All Classes	11-5-48	11-23-48	182
8. GEDIMAN, H. W. — Republications — All Classes	1-18-48	11-23-48	7885

knowledge in the art that resinous esters, alkyd resins, are formed by reaction between a polyhydric alcohol and a polybasic acid, and that different poly-

13. Claims 11, 14, 15 and 17 define no invention over the Johnston patent.

14. Claims 11, 14, 15 and 17 define no invention

DECISIONS IN PATENT AND TRADE-MARK CASES

United States District Court for the District of Columbia

AMERICAN CYANAMID COMPANY AND WILLIAM B. JOHNSTON

v.

LAWRENCE C. KINGSLAND, COMMISSIONER OF PATENTS

No. 56,850. Decided September 30, 1948

1. PATENTABILITY—INVENTION—ALCOHOLS AND ESTERS THEREOF.

Where applicant obtains a patent with claims to a method of producing particular alcohols and the alcohols so produced, and where in an application copending with that on which the patent issued applicant seeks claims to an ester of such alcohols, *Held* that there is no invention in an ester produced from the alcohols disclosed and claimed in applicant's patent.

2. SAME—SAME—ESTERS OF POLYMERIZED POLYENE FATTY ACID ALCOHOLS.

Certain claims to the product prepared by esterifying the alcohols produced from polymerized polyene fatty acids *Held* non-inventive over a patent claiming the alcohols.

3. SAME—SAME—SAME.

Certain claims to the product prepared by esterifying the alcohols produced from polymerized polyene fatty acids *Held* non-inventive over the prior art.

ACTION UNDER R. S. 4915 by American Cyanamid Company and William B. Johnston (Application Serial No. 340,840, Patent Office Division 50) against Lawrence C. Kingsland, Commissioner of Patents. Complaint dismissed.

James Edwin Archer (*Edmund H. Parry, Jr.*, of counsel) for plaintiff.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

MCGUIRE, *J.*:

Findings of Fact

1. This is a civil action under section 4915 Rev. Stat. (U. S. C., title 35, sec. 63) in which the plaintiffs (American Cyanamid Company, as assignee of the applicant, William B. Johnston, and the applicant, William B. Johnston) seek to have the court authorize the Commissioner of Patents to issue a patent on claims 1 to 9, inclusive, and 11 to 18, inclusive, of the patent application of plaintiff William B. Johnston, Serial No. 340,840, entitled "Esters of High Molecular Weight Polyhydric Alcohols and Processes of Producing the Same."

2. Claims 1 to 9, inclusive, set forth in the complaint were withdrawn by plaintiffs at the trial.

3. Claims 12, 13, 16 and 18, set forth in the complaint, are for species of the alleged invention different from that elected for prosecution in the application in the absence of an allowable generic claim; hence said claims are not properly before the court for judgment on their merits. Claims 11, 14, 15 and 17 are involved on the merits.

4. The application at bar describes methods for the production of esters and the esters so produced of the polyhydric alcohols obtained by hydrogenating certain polymeric polyene fatty acid esters. The procedure for producing the polyhydric alcohols is the same as that described and claimed in plaintiff's Johnston's Patent No. 2,347,562. The polyhydric alcohols so produced are esterified with any suitable acid, organic or inorganic, monobasic or polybasic. The physical characteristics of the esters depend upon the type of acid used, the polybasic acids tending to form resinous esters.

5. The Patent No. 2,347,562 granted to plaintiff Johnston on April 25, 1944, discloses and claims the method of producing the particular alcohols used to form the esters claimed in the application involved in this action. The alcohols so produced are also claimed in the patent. The physical properties of the alcohols are set forth and it is stated that they are useful for reaction with carboxylic and other acids, and that they may be reacted with monocarboxylic acids to produce esters.

6. The publication of Shriner and Fuson (1935) on the Systematic Identification of Organic Compounds states that in the identification of alcohols, particularly the polyhydric alcohols, it is customary to prepare benzoate and acetate esters of such alcohols. The procedures disclosed in the application at bar for the production of the benzoate and acetate esters are substantially the same as those described in this publication.

7. The patent to Jaeger, 1,864,909, granted June 28, 1932, relates to the preparation of synthetic resins of the polyhydric alcohol-polybasic acid type. These resins are esters. Among the alcohols listed as useful in the formation of such resinous esters are the polyglycerols and polyglycols. The acids used may be mono- or poly-carboxylic, the preferred acid being phthalic anhydride.

8. The patent to Hansley et al., 2,035,314, granted March 24, 1936, relates to the production of resinous esters of the polyhydric alcohol-polybasic acid type, and teaches that the solid glycols made by hydrogenating the corresponding fatty acid acyloins have a decided advantage over the liquid polyhydric alcohols.

9. The patent to Sly, 2,073,031, granted March 9, 1937, describes the production of esters of a specific polyhydric alcohol, octadecanediol, with polybasic acids.

10. The publication Chemistry of Synthetic Resins, by Carleton Ellis (1935) shows the general

Vol. 618 • No. 3 Tuesday, January 18, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

declaratory judgment filed Dec. 2, 1948, D. C., E. D. Mich., S. Div., Doc. 7817, *Hopp Press, Inc., v. Shaw & Slawsky, Inc., et al.*

Dec. 112,929. T. Friedman, Mounting for a reading

T. M. 345,562, Rock Island Brewing Co., Beer, filed Nov. 12, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1662, *Warsaw Brewing Corp. v. Atlantic Brewing Co. et al.*

T. M. 380,575, Brody Mfg. Co., Stockinette sheets made

knowledge in the art that resinous esters, alkyd resins, are formed by reaction between a polyhydric alcohol and a polybasic acid, and that different polyhydric alcohols yield different products with the same polybasic acid. The publication also describes various polyhydric alcohols that have been used in the preparation of these resinous esters. The use of any polyhydric alcohol for this purpose is indicated.

11. There is no invention in an ester produced from the alcohols disclosed and claimed in the Johnston patent.

12. There is no invention in using the alcohols described and claimed in the Johnston patent for the alcohols used in each of Jaeger, Hansley et al., Sly and Ellis.

13. Claims 11, 14, 15 and 17 define no invention over the Johnston patent.

14. Claims 11, 14, 15 and 17 define no invention over Jaeger, Hansley et al., Sly or Ellis.

15. Claims 11, 14, 15 and 17 are unpatentable.

Conclusions of Law

1. Plaintiffs are not entitled to a patent containing any of claims 1 to 9, inclusive, and 11, 14, 15 and 17, set forth in the complaint.

2. Plaintiffs are not entitled to a patent based upon the presently involved application containing any of claims 12, 13, 16 and 18 set forth in the complaint.

3. The complaint should be dismissed as to all the claims.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,589,017, J. C. Lincoln, Method and means for electric arc welding, C. C. A., 6th Cir., Doc. 10641, *The Lincoln Electric Co.* v. *The Linde Air Products Co.* Judgment of lower court affirmed Nov. 29, 1948.

1,849,349, C. M. Friden, Calculating machine; 2,302,932, 2,320,025, H. T. Avery, Same; 2,333,234, Boyden & Avery, same; 2,377,767, Dustin & Avery, Automatic normalizing mechanism for calculating machines; 2,428,206, H. M. Dustin, Carriage position control mechanism, D. C., N. D. Calif., S. Div., Doc. 27728–H, *Marchant Calculating Machine Co.* v. *Monroe Calculating Machine Co., Inc.* Dismissed with prejudice Oct. 23, 1948.

1,879,918, J. W. Steele, Collar stiffener and reinforcing means, D. C., W. D. Mo. (Kansas City), Doc. 5001, *Loroco Industries, Inc.*, v. *J. W. Steele & Co.* Memorandum opinion on merits, finding for defendants Dec. 3, 1948.

1,909,537, R. M. Hollingshead, Jr., Drive-in theatre, D. C., N. D. Calif., S. Div., Doc. 26790–R, *Park-In Theatres, Inc.*, v. *Fresno Motor-In Theatre, Inc., et al.* Stipulated action dismissing cause without prejudice July 15, 1947. Same, suit filed Dec. 2, 1948, D. C., N. D. Ala., Doc. 6231, *Park-In Theatres, Inc.*, v. *N. H. Waters, Sr., et al.*

1,932,068, 1,993,365, A. E. Englebright et al., Earth boring apparatus; 1,993,366, same, Pipe laying apparatus; 1,933,209, J. E. Currens, Grip device for earth boring apparatus, D. C., N. D. Calif., S. Div., Doc. 28383–R, *Hydrauger Corp., Ltd.*, v. *E. W. Heple Construction Co.* Dismissed without prejudice Nov. 2, 1948.

1,933,209. (See 1,932,068.)

1,993,121, J. L. Travers, Artificial eye, filed June 22, 1948, D. C., N. D. Ala. (Birmingham), Doc. 6138, *Mager & Gougelman, Inc.*, v. *E. Melof.*

1,993,365. (See 1,932,068.) 1,993,366. (See 1,932,068.)

2,109,946, H. C. Little, Oil burner, D. C., N. D. Calif., S. Div., Doc. 26922–R, *H. C. Little Burner Co., Inc.*, v. *Hammer-Bray Co., Ltd., et al.* Certain claims held valid, and infringed by Hammer-Bray Co., Ltd., injunction; action dismissed as to P. V. Birsch and W. F. Ajello, Sept. 14, 1948.

2,127,943. (See 2,440,792.)

2,200,349, B. Walker, Venetian blind, D. C., N. D. Calif., S. Div., Doc. 27956–R, *Sunset Venetian Co. et al.* v. *B. Walker.* Consent decree holding patent valid and infringed, injunction June 25, 1948.

2,207,425, F. A. Arbogast, Artificial fish bait, D. C., N. D. Ohio (Cleveland), Doc. 25180, *F. A. Arbogast* v. *Stevens Mfg. Co. et al.* Consent decree holding patent valid and infringed, injunction Dec. 6, 1948.

2,252,692, Barnes & Minor, Means for applying expansible collars, D. C., S. D. Calif., N. Div., Doc. 699, *N. D. Bettis Rubber Co.* v. *B. & G. Service Co. et al.* Action, including counterclaim, dismissed with prejudice pursuant to stipulation Nov. 22, 1948.

2,302,932. (See 1,849,349.) 2,320,025. (See 1,849,349.)

2,333,059, W. R. Tucker, Two color injunction die, D. C., N. D. Calif., S. Div., Doc. 27144–G, *H-P-M Development Corp.* v. *Electric Mfg. Co., Inc.* Action dismissed without prejudice as to complaint and counterclaim Dec. 18, 1947.

2,333,234. (See 1,849,349.)

2,363,639, F. L. Brown, Life preserver, D. C., N. D. Calif., S. Div., Doc. 27730–H, *The American Pad & Textile Co.* v. *Wilber & Son.* Dismissed without prejudice Apr. 27, 1948.

2,370,235, L. J. Du Mais, Portable picture screen, filed Nov. 8, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1644, *DaLite Screen Co., Inc.*, v. *Aurora Industries, Inc.*

2,377,767. (See 1,849,349.)

2,411,462, H. M. Plehn, Brassière and method of making same, filed Nov. 29, 1948, D. C., E. D. N. Y., Doc. 9527, *Peter Pan Foundations, Inc.*, v. *Carnival Creations, Inc.* Same, filed Dec. 2, 1948, D. C., S. D. N. Y., Doc. 48/274, *Peter Pan Foundations, Inc.*, v. *Lewel Mfg. Co., Inc.* Doc. 48/275, *Peter Pan Foundations, Inc.*, v. *Stephen Jay Co., Inc.*

2,428,206. (See 1,849,349.)

2,440,792, J. S. Wyllie, Method and means for forming rectangular flexible metal tubing; 2,127,943, R. H. Stone, Method of making corrugated flexible tube, filed Nov. 27, 1948, D. C. N. J., Doc. 11854, *Airtron, Inc., et al.* v. *Titeflex, Inc.*

2,441,482, E. D. Gerry, Shoulder pad construction, filed Dec. 3, 1948, D. C., S. D. N. Y., Doc. 48/286, *E-Z Thread Co.* v. *Betty Dain Creations, Inc.*

2,447,354, M. A. Morrill, Rotary side delivery rake, filed Dec. 2, 1948, D. C., N. D. Calif. (Sacramento), Doc. 6081, *West Coast Sales & Service Co.* v. *L. Croce.*

2,450,631, E. Buchler, Garment, filed Dec. 3, 1948, D. C., E. D. N. Y., Doc. 9535, *Arkay Infants Wear, Inc.*, v. *J. W. May's, Inc., et al.*

2,451,581, Slavsky & Slavsky, Price tag molding having a slide held tag and a transparent cover strip, suit for declaratory judgment filed Dec. 2, 1948, D. C., E. D. Mich., S. Div., Doc. 7817, *Hopp Press, Inc.*, v. *Shaw & Slavsky, Inc., et al.*

Des. 118,929, T. Friedman, Mounting for a reading glass, D. C. N. J. (Newark), Doc. 8575, *T. Friedman et al.* v. *Pyro Plastics Corp. et al.* Order dismissing action Nov. 29, 1948.

T. M. 345,562, Rock Island Brewing Co., Beer, filed Nov. 12, 1948, D. C., N. D. Ill., E. Div., Doc. 48c1662, *Warsaw Brewing Corp.* v. *Atlantic Brewing Co. et al.*

T. M. 380,575, Brody Mfg. Co., Stockinette sheets made with rubber insert, etc., D. C., N. D. Ill., E. Div., Doc. 44c952, *Lockwood Products* v. *Brody Mfg. Co.* Complaint and counterclaim dismissed with prejudice Nov. 23, 1948.

NOTICES

Adjudicated Patent

(C. A. N. Y.) Getz patent, No. 2,294,172, for a process of making aerated food products containing cream by use of nitrous oxide *Held* invalid. *Aeration Processes* v. *Walter Kidde & Co.*, 170 F.2d 437; 80 USPQ 80.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the Official Gazette, November 2, 1948. Abstracts of the patents are being published in the OFFICIAL GAZETTE beginning November 9, 1948. The following patents (Reg. Nos. 16,804 through 16,815), are Schedule 9, Groups 26—11; 28—51—88; 35—59; 39—13.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 9

Patents Relating to Acrylic Polymers

Pat. 1,997,572. Sound Record. Apr. 16, 1935. A sound record having the recording surface made of thermoplastic acrylic resin.

Pat. 2,008,719. Process of Polymerization. July 23, 1935. Bubble free product by alternately heating and cooling during polymerization in the mold.

Pat. 2,030,901. Process for Depolymerising Alpha Substituted Acrylic Acid Esters. Feb. 18, 1936. Cracking polymeric methyl methacrylate.

Pat. 2,044,359. Apparatus for Casting. June 16, 1936. Rod casting mold with a monomer reservoir to compensate for shrinkage during polymerization.

Pat. 2,044,579. Process of Treating Resinous Products. June 16, 1936. After-cure of cast articles by heating.

Pat. 2,044,608. Diaphragm for Electrical Reproduction of Sound. June 16, 1936. Diaphragm for electrical reproduction of sound made from an acrylic resin having comminuted magnetic metal incorporated therein.

Pat. 2,045,660. Process of Polymerization. June 30, 1936. Removal of exothermic heat during polymerization.

Pat. 2,056,793. Process of Preparing Resin Compositions. Oct. 6, 1936. Preparation of molding compositions by colloiding of dry granular methyl methacrylate in a Banbury mixer.

Pat. 2,056,794. Resin Compositions and Process of Preparing Same. Oct. 6, 1936. Preparation of molding compositions by semi-colloiding of dry granular methyl methacrylate in a Banbury mixer.

Pat. 2,057,673. Preparation of Polymerized Organic Compounds. Oct. 20, 1936. Preparation of cast rod in continuous lengths.

Pat. 2,057,674. Polymerization Process. Oct. 20, 1936. Rod casting process in which a monomer/polymer sirup is polymerized in a mold by progressively applying heat to the mold.

Pat. 2,063,315. Preparation of Cast Resins. Dec. 8, 1936. Producing cast articles by polymerization of successive layers of monomer.

Pat. 2,067,234. Pigmented Granular Polymers. Jan. 12, 1937. Pigmented granular polymers using soya lecithin as dispersing agent.

Pat. 2,071,932. Process of Polymerization. Feb. 23, 1937. Process of polymerization in a mixer.

Pat. 2,084,399. Polymerization Process. June 22, 1937. Process for adding dyes to sirup during polymerization.

Pat. 2,084,415. Resinous Composition and Process for the Manufacture Thereof. June 22, 1937. Polymerization in solution with subsequent precipitation.

Pat. 2,097,274. Molds Used in the Preparation of Synthetic Resins. Oct. 26, 1937. Lead alloy molds used in polymerization casting.

Pat. 2,101,061. Casting. Dec. 7, 1937. Casting sirups prepared by dissolving polymer in monomer.

Pat. 2,101,107. Molding Compositions and Process of Molding. Dec. 7, 1937. Polyfunctional monomer/polymer molding compositions.

Pat. 2,120,006. Molding Organic Compounds. June 7, 1938. Monomer/polymer molding compositions, process for molding said composition and molded articles obtained.

Pat. 2,122,886. Process of Polymerization. July 5, 1938. Reuse of granulation liquid in granular polymerization.

Pat. 2,136,422. Polymerization. Nov. 15, 1938. Catalyst gradient in polymerization casting.

Pat. 2,136,423. Polymerization Process. Nov. 15, 1938. Heating only the bottom of mold in polymerization casting.

Pat. 2,136,424. Process of Polymerization. Nov. 15, 1938. Viscosity gradient in polymerization casting.

Pat. 2,136,425. Apparatus for Polymerization of Organic Compounds. Nov. 15, 1938. Removable plastic plug for rod casting mold.

Pat. 2,136,450. Preparation of Pigmented Plastics. Nov. 15, 1938. Paraffin wax as a white pigment.

Pat. 2,141,546. Acryloxy Carboxylic Acids and Their Esters. Dec. 27, 1938. Synthesis of acryloxy carboxylic

Pat. 2,341,334. Interpolymers of Alkylidene Esters of Alpha-Methylene Monocarboxylic Acids With Vinyl and Vinylidene Compounds. Feb. 8, 1944. Interpolymers of methylene dimethacrylate with vinyl and vinylidene com-

Pat. 1,963,892. Ornamentation of Toilet Articles. June 19, 1934. Process for producing ornamental edges on toilet articles.

Pat. 1,968,882. Treatment of Cellulose Esters. Aug. 7, 1934. Reducing viscosity of cellulose nitrate by subjecting the nitrate to the action of an acid in the presence of a salt of an alkaline metal or alkaline earth metal

Pat. 2,136,450. Preparation of Pigmented Plastics. Nov. 15, 1938. Paraffin wax as a white pigment.

Pat. 2,141,546. Acryloxy Carboxylic Acids and Their Esters. Dec. 27, 1938. Synthesis of acryloxy carboxylic acids and their esters and the polymerization products derived therefrom.

Pat. 2,146,306. Treatment of Polymeric Synthetic Resins. Feb. 7, 1939. Cutting solid polymer with a heated tool.

Pat. 2,180,818. Apparatus for Maintaining Constant Hydrostatic Pressure Upon a Liquid. Nov. 21, 1939. Bellows apparatus for maintaining constant hydrostatic pressure upon a liquid being polymerized.

Pat. 2,201,395. Modified Polymers of Methacrylic Acid Esters and Preparation of the Same. May 21, 1940. Alpha terpineol as a modifier for molding compositions.

Pat. 2,238,443. Apparatus for Polymerization. Apr. 15, 1941. Rod casting mold and process for heating same.

Pat. 2,238,446. Opacification of Resins. Apr. 15, 1941. Water-opacification of resins.

Pat. 2,265,242. Preparation of Ethenoid Resins. Dec. 9, 1941. Washing granular polymer with an aqueous solution of an alkali metal phosphate.

Pat. 2,268,177. Interpolymers of Methyl Alpha-Chloroacrylate and Styrene and Preparation of Same. Dec. 30, 1941. Homogeneous, stable interpolymers of methyl alpha-chloroacrylate and styrene.

Pat. 2,286,251. Interpolymers and Preparation of Same. June 16, 1942. Interpolymers of alpha-chloroacrylate with maleic or fumaric esters; monohydric saturated alcohols or monohydric phenols may be added as third component.

Pat. 2,289,765. Process of Polymerization. July 14, 1942. Intermittent agitation process of producing monomer-polymer sirups.

Pat. 2,301,204. Apparatus for Polymerization Processes. Nov. 10, 1942. Agitator in a kettle for producing monomer-polymer sirups.

Pat. 2,309,522. Manufacture of Molding Compounds. Jan. 26, 1943. Rolling wet emulsion polymer with color to increase bulk density.

Pat. 2,311,548. Polymers of Amides of Alpha-Methylene Monocarboxylic Acids. Feb. 16, 1943. Copolymer of N-methyl methacrylamide and methyl methacrylate.

Pat. 2,312,193. Process for Preparing Alkylidene Derivatives of Alpha-Methylene Monocarboxylic Acids. Feb. 23, 1943. Preparation of alkylidene derivatives of alpha-methylene monocarboxylic acids and polymerization of same.

Pat. 2,321,048. Opalescent Synthetic Resins. June 8, 1943. Opalescent resins resulting from polymerization of a mixture comprising methyl methacrylate polymer, styrene monomer, and an unsaturated monomeric ester.

Pat. 2,321,759. Molding Compounds. June 15, 1943. Molding compounds by malaxating to reduce molecular weight of copolymers of methyl methacrylate with vinyl acetate, styrene or methyl acrylate.

Pat. 2,325,067. Process and Apparatus for Polymerisation. July 27, 1943. Pressure controller for granular polymerization.

Pat. 2,326,543. Methyl Methacrylate Molding Composition. Aug. 10, 1943. Copolymer of methyl methacrylate and styrene or vinyl acetate mixed with a polyvinyl acetal resin.

Pat. 2,335,133. Tooth Reconstruction. Nov. 23, 1943. Material for tooth reconstruction consisting of methyl methacrylate and methallyl methacrylate.

Pat. 2,336,493. Distillation of Organic Liquids Polymerisable by Heat. Dec. 14, 1943. Flash distillation of organic liquids polymerizable by heat.

Pat. 2,341,282. Purification of Methyl Methacrylate. Feb. 8, 1944. Distillation of monomer from cracked polymer.

Pat. 2,341,334. Interpolymers of Alkylidene Esters of Alpha-Methylene Monocarboxylic Acids With Vinyl and Vinylidene Compounds. Feb. 8, 1944. Interpolymers of methylene dimethacrylate with vinyl and vinylidene compounds.

Pat. 2,345,939. Flock-Coated Die. Apr. 4, 1944. Flock coated die for use in forming a plastic sheet into articles having a three dimensional curved surface.

Pat. 2,346,036. Bonding of Methacrylate Polymers. Apr. 4, 1944. Methacrylic acid as methyl methacrylate cement.

Pat. 2,354,210. Polymerization of Acrylic Compounds. July 25, 1944. Polymerisation of acrylic compounds in the presence of N-chlorinated hydantoin.

Pat. 2,367,670. Cementing Process. Jan. 23, 1945. Light activated cement for bonding transparent polymeric sheets.

Pat. 2,369,057. Process for Treating Acrylic Resins. Feb. 6, 1945. Debubbling a shaped mass by immersing in aqueous salt bath and heating under pressure.

Pat. 2,377,928. Stretching Cast Elongate Bodies. June 12, 1945. Process for the uniform caliper reduction of cast tubes and rods.

Pat. 2,377,946. Method of and Apparatus for Shaping Thermoplastic Sheets. June 12, 1945. Vacuum drawing of thermoplastic sheets to form three dimensional curved articles of uniform thickness.

Pat. 2,377,952. Purification of Alkyl Methacrylate Monomers. June 12, 1945. Chlorine treatment of monomer derived from cracked polymer.

Pat. 2,377,962. Cementing Jig. June 12, 1945. Pressure jig for cementing curved, mated parts.

Pat. 2,413,973. Photopolymerization of Vinyl and Vinylidene Compounds. Jan. 7, 1947. Photopolymerization of polymerisable coatings on plastic articles.

Pat. 2,417,238. Polymerisation of Alpha-Methylene Monocarboxylic Acid Esters. Mar. 11, 1947. Polymerisation of methyl methacrylate in presence of a peroxide, sulfur dioxide and dioxolane.

Pat. 2,417,837. Laminating Plastic Sheets. Mar. 25, 1947. Laminating methacrylate sheets and a polyvinyl acetal sheet using a specific polysilicic acid adhesive.

Pat. 2,418,018. Methyl Methacrylate Polymer Laminated to a Polyvinyl Butyral by Means of a Silicic Adhesive. Mar. 25, 1947. Laminating polymethyl methacrylate and polyvinyl butyral with polysilicic acid adhesive.

Pat. 2,426,072. Blast Cleaning. Aug. 19, 1947. Granular methyl methacrylate for blast cleaning.

Pat. 2,436,201. Production of Strain-Free, Extruded Shapes From Organic Thermoplastic Materials. Feb. 17, 1948. Extruding into a gas stream to produce strands for cutting into molding powder.

Manufacture of Plastic Articles

Pat. 1,913,863. Brush Holder for Brush-Making Machine. June 13, 1933. A mechanism for holding brush blanks during the drilling of successive holes therein and during the insertion of tufts of bristles into said holes.

Pat. 1,914,037. Molding Process and Apparatus. June 13, 1933. Process and apparatus for molding and casting dies to be used in molding hollow plastic articles.

Pat. 1,937,101. Drilling and Inserting Mechanism for Brush Machines. Nov. 28, 1933. A brush making machine comprising a brush blank holder, a plurality of drilling and bristle inserting mechanisms, and a single cam shaft centrally located for operating same.

Pat. 1,950,230. Silhouette Ornamentation on Articles of Manufacture. Mar. 6, 1934. Silhouette ornamentation on toilet articles having a body portion formed of contrasting layers.

Pat. 1,950,231. Attaching Means for Ornamental Devices. June 3, 1934. Process for attaching a medallion or other device in a recess previously formed in the surface to be ornamented.

Pat. 1,963,892. Ornamentation of Toilet Articles. June 19, 1934. Process for producing ornamental edges on toilet articles.

Pat. 1,969,323. Shaping Machine. Aug. 7, 1934. Molding machine with a rotary standard.

Pat. 1,984,697. Machine for Blowing Hollow Articles. Dec. 18, 1934. Machine for production of hollow articles by introducing fluid under pressure between two sheets of plastic material in a die.

Pat. 1,996,062. Comb Finishing Apparatus and Method. Apr. 2, 1935. Apparatus and method for removing fins and webs produced on molded objects.

Pat. 2,044,339. Brush Drilling Machine. June 16, 1936. Brush drilling machine comprising a plurality of drills and a manually operated device for retracting any particular drill spindle.

Pat. 2,083,676. Floating Die Head for Molding Presses. June 15, 1937. A die press having a series of cylinders with means for applying independent, uniform pressure to the plate, one of which has been cushioned so as to transmit uniform molding pressure.

Pat. 2,109,569. Bandeau. Mar. 1, 1938. Bandeau with two comb sections made from one integral piece.

Pat. 2,120,834. Boudoir Accessory. June 14, 1938. A frame and back for brushes or mirrors provided with an inside groove for receiving mirror or solid part of brush.

Pat. 2,122,289. Display Card. June 28, 1938. Display card designed to exhibit hairpins.

Pat. 2,182,200. Display Case for Boudoir Accessories. Dec. 5, 1939. Pasteboard case having provisions for holding a boudoir set with most of them displayed on edge.

Pat. 2,272,847. Molding of Organic Plastics. Feb. 10, 1942. External mold lubricant comprising a di-substituted ester of phosphoric acid.

Pat. 2,279,055. Automatic Needle Stop for Bristling Machine. Apr. 7, 1942. Automatic needle stop for a brush tuft setting machine.

Pat. 2,338,735. Manufacture of Toothed Articles. Jan. 11, 1944. Injection molding of combs.

Pat. 2,346,247. Optical Apparatus. Apr. 11, 1944. Light polarizing lens.

Cellulose Derivative Plastics

Re. Pat. 19,705. Cellulose Derivative Composition. Sept. 17, 1935. Esters of monoaryl ethers of a polyglycol as plasticizers for cellulose derivatives.

Pat. 1,915,043. Roller. June 20, 1933. Cellulose acetate covered textile roller.

Pat. 1,915,075. Plastic Tubing. June 20, 1933. Process of molding seamless tubing.

Pat. 1,915,085. Safety Glass. June 20, 1933. Mixtures of cellulose esters and ethers as safety glass interlayer.

Pat. 1,936,351. Decorated Plastic Sheeting. Nov. 21, 1933. Roughened surface sheeting produced by passing a dulled separating blade through a block of plastic.

Pat. 1,946,067. Reduction of the Viscosity of Cellulose Nitrate. Feb. 6, 1934. Reduction of viscosity of cellulose nitrate by adding a pyridine base and thereafter removing base by treating with formaldehyde.

Pat. 1,947,008. Cellulose Derivative Composition. Feb. 13, 1934. Polyesters of halogenated acids as plasticizers.

Pat. 1,953,398. Treatment of Cellulose Esters. Apr. 3, 1934. Hydrogen peroxide treatment of cellulose esters to effect stabilization, viscosity reduction, bleaching and clarification thereof.

Pat. 1,965,608. Organo-Metallic Protective Agent. July 10, 1934. Metallic salts of aromatic half esters in nitrocellulose.

Pat. 1,968,882. Treatment of Cellulose Esters. Aug. 7, 1934. Reducing viscosity of cellulose nitrate by subjecting the nitrate to the action of an acid in the presence of a salt of an alkaline metal or alkaline earth metal and a halogen containing acid.

Pat. 1,972,091. Cellulose Derivative Composition. Sept. 4, 1934. Dilauryl esters as plasticisers.

Pat. 1,972,092. Cellulose Derivative Composition. Sept. 4, 1934. Polycarboxylic acid esters as plasticisers.

Pat. 1,980,988. Solvents for Etherification of Cellulose. Nov. 20, 1934. Water soluble polyethers and cyclic ethers as solvents in the etherification of cellulose.

Pat. 1,984,284. Cellulose Derivative Composition and Softener Therefor. Dec. 11, 1934. Aryl alkyl mixed esters as plasticisers.

Pat. 1,986,854. Cellulose Derivative Compositions. Jan. 8, 1935. Polyalkylamides as plasticisers.

Pat. 1,990,904. Manufacture of Cellulose Ethers. Feb. 12, 1935. Process for the manufacture of cellulose ethers in which some water and a dispersing agent such as turkey red oil is added prior to steam distillation.

Pat. 1,994,164. Manufacture of Decorative Plastic. Mar. 12, 1935. Method for producing a patterned rod in which pattern is spread cross-wise and extending longitudinally therethrough.

Pat. 1,995,117. Process for Treating Cellulose Nitrate. Mar. 19, 1935. Washing of cellulose nitrate to remove the fines and acid.

Pat. 2,003,295. Cellulose Derivative Composition. June 4, 1935. Bis-aryl ethers of glycols as plasticisers.

Pat. 2,005,414. Cellulose Derivative Composition. June 18, 1935. Polycarboxylic acid esters as plasticisers.

Pat. 2,008,716. Cellulose Derivative Compositions. July 23, 1935. Methoxyethyl benzoyl benzoate as a plasticiser.

Pat. 2,010,818. Etherification of Cellulose. Aug. 13, 1935. Etherification of cellulose by converting the cellulose to an alkali cellulose, then mixing with a caustic alkali slurry before etherifying.

Pat. 2,013,298. Cellulose Ether Composition. Sept. 3, 1935. Thiotriaryl phosphates as cellulose ether plasticizers.

Pat. 2,017,070. Plastic Composition. Oct. 15, 1935. Dihydric alcohol esters as plasticizers.

Pat. 2,019,115. Removal of Solvent From Cellulosic Plastics. Oct. 29, 1935. Process for removing water soluble volatile solvents from cellulosic mass comprising subjecting the mass to air treatment, to a water treatment, then to a final air treatment.

Pat. 2,021,121. Plastic Compositions. Nov. 12, 1935. Esters of phthalyl glycollic acid as plasticisers.

Pat. 2,025,048. Cellulose Derivative Composition. Dec. 24, 1935. Esters of lauryl ethers of polyhydric alcohols as plasticizers.

Pat. 2,030,568. Laminated Record. Feb. 11, 1936. Sound record composed of a thick core of filled cellulose acetate upon which is superposed a thin playing surface of unfilled cellulose acetate.

Pat. 2,031,206. Compound and Compositions Containing Same. Feb. 18, 1936. Alkoxy alkyl aryl sulfonamides as plasticizers.

Pat. 2,032,091. Plasticizer Composition. Feb. 25, 1936. Diethylene glycol esters as plasticizers.

Pat. 2,036,271. Cellulose Acetate Compositions. Apr. 7, 1936. Polyesters of aroyl benzoic acid as plasticisers.

Pat. 2,036,309. Seal for Stirring Devices in Chemical Apparatus. Apr. 7, 1936. Seal for stirring device which comprises an outer cup, an inner cup and a sealing liquid within said outer cup and into which inner cup dips.

Pat. 2,037,740. Cellulose Derivative Compositions. Apr. 21, 1936. Sugar ethers as plasticizers.

Pat. 2,040,937. Laminated Article and Manufacture of Same. May 19, 1936. Safety glass interlayer of a cellulose ester plasticized with a polyglycol ester.

Pat. 2,109,587. Laminated Article. Mar. 1, 1938. Safety glass interlayer of cellulose nitrate and dibutyl hexahydrophthalate.

Extrusion of Safety Glass Interlayer Sheeting

Pat. 1,956,564. Method of Producing Plastic Sheeting. May 1, 1934. Method of producing a continuous web by

Pat. 2,122,716. Hydroxy Carboxylic Acid Esters of Long Chain Alcohols. July 5, 1938. Preparation of esters of long chain alcohols and saturated aliphatic hydroxy carboxylic acids.

Pat. 2,040,937. Laminated Article and Manufacture of Same. May 19, 1936. Safety glass interlayer of a cellulose ester plasticized with a polyglycol ester.

Pat. 2,041,715. Cellulose Derivative Compositions. May 26, 1936. Levulinic esters of ether alcohols as plasticizers.

Pat. 2,041,738. Plastic Composition. May 26, 1936. Carbamic acid esters as plasticizers.

Pat. 2,044,181. Fountain Pen Barrel. June 16, 1936. Partially transparent fountain pen barrel made of a cellulose plastic having an interior coating of water-insoluble cellulose ether.

Pat. 2,044,356. Method of Making Celluloid Articles. June 16, 1936. Method of mounting a plurality of strips of cellulose material to produce a tube having a polygonal cross section.

Pat. 2,044,585. Preparation of Molded Articles. June 16, 1936. Preparation of mottled molded articles characterized by continuous bands or zones of contrasting color.

Pat. 2,045,628. Refining Cellulose Acetate. June 30, 1936. Process for refining cellulose acetate comprising dissolving the cellulose acetate in an alcohol-water mixture, heating, clarifying the solution, and separating the cellulose acetate from solvent liquor.

Pat. 2,047,972. Cellulose Derivative Composition. July 21, 1936. Ethers of hexahydric alcohols as plasticizers.

Pat. 2,049,565. Cellulose Derivative Compositions. Aug. 4, 1936. Tetrahydronaphthalenedicarboxylates as plasticizers.

Pat. 2,049,567. Manufacture of Paper Pulp. Aug. 4, 1936. Manufacture of paper pulp from wood chips using organic sulfonates and sulfates as wetting agents.

Pat. 2,051,877. Modified Compositions. Aug. 25, 1936. Benzyl ether of hydroxy acid esters as plasticizers.

Pat. 2,053,289. Cellulose Derivative Compositions. Sept. 8, 1936. Dialkoxy alkyl esters as plasticizers.

Pat. 2,056,795. Cellulose Ether Compositions and Process of Preparing Same. Oct. 6, 1936. Preparation of cellulose ether molding powders by kneading and then breaking said mass into granular form.

Pat. 2,056,797. Cellulose Ester Compositions and Process of Preparing Same. Oct. 6, 1936. Semi-colloiding cellulose esters in a Banbury mixer, then breaking the mass into granular form.

Pat. 2,059,324. Safety Device. Nov. 3, 1936. Safety device for stopping a set of mixing rolls instantly.

Pat. 2,059,326. Manufacture of Nitrocellulose. Nov. 3, 1936. Nitration of dense cellulose using an aqueous mixture of nitric and sulfuric acids.

Pat. 2,059,394. Plastic Composition. Nov. 3, 1936. Non-uniform coloring of plastics in a Banbury mixer by terminating the kneading before coloring matter has been uniformly distributed.

Pat. 2,061,732. Cellulose Derivative Compositions. Nov. 24, 1936. Binary mixture of water and a dimethyl ether of a glycol as solvent.

Pat. 2,071,917. Process of Preparing N-Alkoxyalkyl Aryl Sulphonamides. Feb. 23, 1937. Process for preparing sulfonamides comprising reacting an aryl sulphonamide with an alkoxyalkyl halide.

Pat. 2,071,921. Laminated Structure. Feb. 23, 1937. Ornamental laminated structure comprising a transparent sheet and two opaque sheets of different colors.

Pat. 2,082,797. Cellulose Ethers. June 8, 1937. Alcohol-soluble crotonyl ether of cellulose.

Pat. 2,097,269. Pigment and Process of Preparing Same. Oct. 26, 1937. Manufacture of lead pearl.

Pat. 2,109,587. Laminated Article. Mar. 1, 1938. Safety glass interlayer of cellulose nitrate and dibutyl hexahydrophthalate.

Pat. 2,109,593. Cellulose Acetate Molding Compositions. Mar. 1, 1938. Cellulose acetate mixed plasticiser composition consisting of camphor, a fire retarding plasticiser and a toughening exuding plasticiser.

Pat. 2,109,594. Molding Compositions. Mar. 1, 1938. Cellulose acetate mixed plasticiser composition consisting of camphor, triphenyl phosphate, an aryl sulphonamide and a mold lubricant.

Pat. 2,115,514. Laminated Article. Apr. 26, 1938. Safety glass interlayer of cellulose acetate and dimethyl phthalate.

Pat. 2,136,436. Laminated Article. Nov. 15, 1938. Safety glass interlayer of cellulose nitrate with octadecanediol diacetate as plasticiser.

Pat. 2,161,815. Chemical Process. June 13, 1939. Process for preparing cellulose ether wherein granulated wood pulp is mixed with an emulsion of caustic alkali solution in an inert organic liquid and an etherifying agent.

Pat. 2,163,085. Flameproofed Cellulosic Materials. June 20, 1939. Fire retardant comprising the reaction product of phosphorous pentoxide and anhydrous liquid ammonia.

Pat. 2,190,450. Cellulose Ethers. Feb. 13, 1940. Process for the uniform incorporation of a wetting agent in cellulose prior to treatment with etherifying agent.

Pat. 2,203,869. Cellulose Etherification Process. June 11, 1940. Cellulose ether manufacture using a wetting agent comprising the alkali salts of a mixture of aliphatic acids obtained by the oxidation of higher alcohols obtainable by the catalytic hydrogenation of carbon oxides.

Pat. 2,217,904. Alkyl Ethers of Cellulose. Oct. 15, 1940. Process of preparing cellulose ethers by treating cellulose with concentrated caustic alkali in the presence of an inert diluent and then contacting the wet cellulose with an aqueous solution of caustic soda and the etherifying agent.

Pat. 2,218,146. Chemical Composition. Oct. 15, 1940. Tributyrin as plasticizer.

Pat. 2,231,818. Plasticized Cellulose Acetate Compositions. Feb. 11, 1941. Composite plasticizers consisting of trialkyl phosphates, dimethyl phthalate and a glycol ester.

Pat. 2,236,523. Cellulose Ethers. Apr. 1, 1941. Manufacture of low substituted cellulose ethers comprising treating alkali cellulose with a mist of an etherifying agent.

Pat. 2,236,533. Cellulose Ethers. Apr. 1, 1941. Process for preparing an alkali cellulose and treating said cellulose with an etherifying agent.

Pat. 2,238,714. Purification of Alkyl Ethers of Cellulose. Apr. 15, 1941. Process for the manufacture, precipitation and purification of cellulose ethers.

Pat. 2,401,236. Apparatus for Producing Subdivided Molding Material. May 28, 1946. Cutter for screw stuffer method of producing cellulose acetate molding powder.

Pat. 2,401,272. Plasticized Cellulose Acetate Composition. May 28, 1946. Dimethyl azelate as cellulose acetate plasticizer.

Pat. 2,419,035. Manufacture of Molding Powders. Apr. 15, 1947. Screw stuffer method for making cellulose acetate molding powder.

Pat. 2,422,722. Extrusion Apparatus. June 24, 1947. Modification of the hopper assembly in screw stuffers.

Extrusion of Safety Glass Interlayer Sheeting

Pat. 1,956,564. Method of Producing Plastic Sheeting. May 1, 1934. Method of producing a continuous web by extruding a mass of cellulose derivative plastic, immersing the web in solvent removing liquid and cooling the mass.

Pat. 2,019,119. Extrusion Apparatus. Oct. 29, 1935. Apparatus for extruding a continuous thin web of cellulose derivative plastics.

Pat. 2,028,502. Seasoning Plastic. Jan. 21, 1936. Method of seasoning extruded cellulose ester sheeting comprising running the sheeting through a series of sodium chloride brine baths.

Pat. 2,083,557. Extrusion Apparatus. June 15, 1937. Extrusion apparatus having means for accurately measuring the caliper of the sheet and means for controlling the caliper of the extruded sheet.

Pat. 2,097,287. Wind-Up Mandrel. Oct. 26, 1937. Wind-up mandrel with means whereby the effective circumference of mandrel may be reduced so that materials may be slipped therefrom.

Pat. 2,122,259. Filter Press. June 28, 1938. Construction of plates and frames for a filter press adapted for filtering colloids for extrusion.

Pat. 2,146,532. Extrusion Process. Feb. 7, 1939. Extrusion process in which dissolved and entrapped air is removed from the plastic dough.

Miscellaneous Plasticizers

Pat. 1,936,093. Sorbitol Ethers. Nov. 21, 1933. Synthesis of ethers of sorbitol and other six carbon atoms hexahydric alcohols.

Pat. 1,984,283. Ester of Polycarboxylic Acids. Dec. 11, 1934. Preparation of aryl ethyl mixed esters of polycarboxylic acids.

Pat. 1,991,391. Ester of Polycarboxylic Acids. Feb. 19, 1935. Synthesis of polycarboxylic acid esters of monohydric ether alcohols.

Pat. 2,004,115. Levulinic Acid Esters and Their Preparation. June 11, 1935. Preparation of levulinic acid esters of modified polyhydric alcohols.

Pat. 2,006,555. Esters of Polycarboxylic Acids and Their Production. July 2, 1935. Production of dicarboxylic acid esters of monohydric ether alcohols.

Pat. 2,008,720. Levulinic Acid Ester. July 23, 1935. Levulinic acid ester of a monohydric open chain aliphatic alcohol.

Pat. 2,014,381. Ester of Isobutyric Acid. Sept. 17, 1935. Synthesis of polyhydric ether alcohol esters of isobutyric acid.

Pat. 2,031,603. Propionic Acid Esters and Their Production. Feb. 25, 1936. Production of propionic acid esters of polyhydric alcohols.

Pat. 2,047,664. Naphthenyl Esters of Polycarboxylic Acids and Their Production. July 14, 1936. Polybasic carboxylic acid ester wherein at least one carboxylic group is replaced by a napthenyl radical.

Pat. 2,062,917. Polycarboxylic Acid Esters. Dec. 1, 1936. Mixed polycarboxylic acid esters of aliphatic unsaturated alcohols.

Pat. 2,062,918. Polyhydric Alcohol Esters. Dec. 1, 1936. Polyhydric alcohol esters of a monocarboxylic acid.

Pat. 2,063,144. Ether Alcohol Esters of Alicyclic Carboxylic Acids. Dec. 8, 1936. Ether alcohol esters of an alicyclic carboxylic acid containing only one carbocyclic ring.

Pat. 2,118,506. Long Chain Alkoxy Alkanol Esters. May 24, 1938. A carboxylic ester of a long chain alkyl ether of a dihydric alcohol.

Pat. 2,122,716. Hydroxy Carboxylic Acid Esters of Long Chain Alcohols. July 5, 1938. Preparation of esters of long chain alcohols and saturated aliphatic hydroxy carboxylic acids.

Miscellaneous Plastics

Pat. 1,915,048. Safety Glass. June 20, 1933. Vegetable protein as safety glass adhesive.

Pat. 1,961,579. Composition of Matter. June 5, 1934. Urea-sulfonamid-aldehyde resin.

Pat. 1,978,533. Process of Preparing Molded Products. Oct. 30, 1934. Molded products from a composition comprising a polyester resin and casein.

Pat. 1,991,765. Aldehyde-Hydrogen Sulphide Reaction Product. Feb. 19, 1935. Process for thionating an aldehyde in aqueous solution.

Pat. 2,019,354. Urea-Condensation Resinous Compositions. Oct. 29, 1935. Urea-formaldehyde-hydrogen sulfide condensation product.

Pat. 2,022,001. Moldable Composition. Nov. 26, 1935. Formaldehyde treated casein-polyester mixture.

Pat. 2,035,515. Manufacture of Resins. Mar. 31, 1936. Phenol-formaldehyde cast resin.

Pat. 2,035,578. Synthetic Resin. Mar. 31, 1936. Resin comprising the condensation product of a polyhydric phenol and organic polybasic acid derivative.

Pat. 2,058,394. Resinous Compositions. Oct. 27, 1936. Polyhydric phenol-inorganic polybasic acid resin.

Pat. 2,058,649. Manufacture of Phenol-Aldehyde Resins. Oct. 27, 1936. Reduction of discoloration of phenol-formaldehyde resin by polymerizing in presence of ferrocyanide and salicylic acid.

Pat. 2,084,393. Treatment of Resins. June 22, 1937. Surface ornamentation of phenol-formaldehyde resin by immersing first in potassium hydroxide solution, then in hot water, then in cold.

Pat. 2,122,270. Pigmentation of Resinous Condensation Products. June 28, 1938. Pigmented resin produced by condensing phenol and formaldehyde in the presence of solid calcium hydroxide and calcium carbonate together.

Pat. 2,138,584. Polysulphones and Their Preparation. Nov. 29, 1938. Production of polysulphones by reacting sulfur dioxide with acetylenic hydrocarbons.

Pat. 2,146,209. Preparation of Resinous Imides of Substituted Acrylic Acids. Feb. 7, 1939. Resinous polyacrylic acid imides and N-substituted polymethacrylimides.

Pat. 2,190,829. Phenol Carboxylic Acid Amide-Formaldehyde Resins. Feb. 20, 1940. Resinous condensation products of formaldehyde and amides obtained by reacting an amino phenol and a polycarboxylic acid or its derivative.

Pat. 2,190,836. Treatment of Olefin-Sulphur Dioxide Resins. Feb. 20, 1940. Digesting olefin sulfone resins to produce stable and transparent products.

Pat. 2,327,985. Acyl Isothiocyanate and Polymer Thereof. Aug. 31, 1943. Synthesis of acyl alpha-beta-unsaturated isothiocyanates and the preparation of polymers and copolymers thereof.

Polytetrafluoroethylene

Pat. 2,392,388. Electrical Apparatus. Jan. 8, 1946. Electric motors with polytetrafluoroethylene insulation.

Pat. 2,396,629. Fabrication of Polytetrafluoroethylene Articles. Mar. 19, 1946. Sintering and cooling pressed articles in a definite cycle.

Pat. 2,400,099. Process for Obtaining Shaped Articles. May 14, 1946. Pressing and sintering molding articles.

Vinyl Polymers

Pat. 1,841,637. Azo Dyestuffs. Jan. 19, 1932.

Pat. 1,868,300. Dyeing, Printing and Like Process. July 19, 1932.

Pat. 1,880,169. Manufacture and Production of Aromatic Acid Chlorides. Sept. 27, 1932.

Vinyl Polymers

Pat. 1,896,504. Protective Agent for Meta Styrene. Feb. 7, 1933. Di-o-tolyl-guanidine as a stabiliser for polystyrene.

Pat. 1,982,676. Polymerisation of Vinyl Naphthalene. Dec. 4, 1934. Polymerisation of vinyl naphthalene by application of heat and/or catalysts.

Pat. 2,019,118. Laminated Article. Oct. 29, 1935. Polyvinyl ethinyl carbinol as a safety glass interlayer.

Pat. 2,056,796. Polyvinyl Resin Compositions and Process of Preparing Same. Oct. 6, 1936. Semi-colloiding a polyvinyl resin in a Banbury mixer.

Pat. 2,109,573. Modified Resin Composition. Mar. 1, 1938. Benzyl ether of ethyl lactate as a plasticiser for polyvinyl acetal resins.

Pat. 2,113,764. Manufacture of Laminated Glass. Apr. 12, 1938. Treatment of safety glass interlayer sheeting with water soluble material to prevent self-adhesion.

Pat. 2,122,277. Preparation of Resins. June 28, 1938. Alkyl secondary amines for the neutralization of the acid catalysts used in preparation of polyvinyl acetal resins.

Pat. 2,182,528. Stabilization of Vinyl Acetate. Dec. 5, 1939. Copper resinate as a polymerization inhibitor for monomeric vinyl acetate.

Pat. 2,202,160. Plastic Composition for Use in Interlayer Sheets. May 28, 1940. Safety glass interlayer sheeting of polyvinyl butyral containing triethylene glycol dipelargonate as a plasticizer.

Pat. 2,217,163. Plastic Composition. Oct. 8, 1940. Higher alkyl phthalates as plasticisers for polyvinyl formal resins.

Pat. 2,231,905. Aliphatic Vinyl Tertiary Amides. Feb. 18, 1941. Production and polymerization of vinyl tertiary amides.

Pat. 2,317,187. Polystyrene Plastic. Apr. 20, 1943. Pearl polystyrene produced from oriented polystyrene plastic containing an aluminum salt of an aliphatic acid.

Pat. 2,321,748. Separation of Mixtures of Methanol and Butyraldehyde. June 15, 1943. Separation of mixtures of methanol and butyraldehyde by applying heat to the aqueous mixture in a fractionating column.

Pat. 2,374,078. Vinyl Compounds and Polymers Therefrom. Apr. 17, 1945. Copolymer of divinyl formal and vinyl acetate.

Pat. 2,413,931. Pressure-Sensitive Adhesive Fabrics. Jan. 7, 1947. Adhesive fabric with polyvinyl butyral resin as pressure sensitive adhesive.

Imperial Chemical Industries, Ltd., London, England, has placed more than 1100 U. S. patents on the Register of Patents as available for license on reasonable terms. The following patents (Reg. Nos. 16,816 through 17,522) are in Group 28. Additional lists of these patents will appear in subsequent issues of the OFFICIAL GAZETTE.

Inquiries concerning these patents should be addressed to Cushman, Darby & Cushman, American Security Bldg., 730 15th St., N. W., Washington 5, D. C.

Pat. 1,840,558. New Basic and Acid Dyes of the Rhodamine Type. Jan. 12, 1932.

Pat. 1,841,621. Manufacture of Pyrazolone Compounds. Jan. 19, 1932.

Pat. 1,841,622. Intermediates and Dyes Therefrom. Jan. 19, 1932.

Pat. 1,841,623. New Pyrazolones and Dyes Therefrom. Jan. 19, 1932.

Pat. 1,841,636. Amino and Nitro Derivatives of Ortho-Hydroxy-Carboxy-Diphenyl Sulphides, and Process of Preparing Same. Jan. 19, 1932.

Pat. 1,841,637. Azo Dyestuffs. Jan. 19, 1932.

Pat. 1,842,604. Manufacture of Halogenated Dyes and Halogenated Intermediates for Dyes. Jan. 26, 1932.

Pat. 1,842,711. Manufacture of N-Thio Derivatives of Amines. Jan. 26, 1932.

Pat. 1,845,742. Method for Crystal Growth. Feb. 16, 1932.

Pat. 1,845,744. Production of Quicklime and Sulphur Dioxide. Feb. 16, 1932.

Pat. 1,848,227. Manufacture and Use of Vat Dyes of the Benzanthrone Series. Mar. 8, 1932.

Pat. 1,848,228. Method of Making Black and Grey Vat Dyes and the Products Thereof. Mar. 8, 1932.

Pat. 1,848,988. Apparatus for Carrying Out Gas Reactions at High Temperatures. Mar. 8, 1932.

Pat. 1,850,511. Manufacture of Anthraquinone Derivatives. Mar. 22, 1932.

Pat. 1,850,551. Dyeing or Printing. Mar. 22, 1932.

Pat. 1,851,419. Vulcanization of Rubber. Mar. 29, 1932.

Pat. 1,851,832. Manufacture and Production of Benzoyl Chloride. Mar. 29, 1932.

Pat. 1,855,676. Compositions Containing Alkali Metal Peroxides. Apr. 26, 1932.

Pat. 1,858,334. Production of Ortho-Amino-Halogen-Anthraquinones. May 17, 1932.

Pat. 1,858,[illegible]. Purification of Gases Containing Hydrogen Sulphid[illegible] May 17, 1932.

Pat. 1,[illegible]. Dyestuffs of the Urea-Azine Series and Process of Preparing the Same. May 24, 1932.

Pat. 1,859,527. Manufacture of Compounds of the Morpholine Series and the Products. May 24, 1932.

Pat. 1,860,560. Production of the Acid Sulphate and the Normal Sulphate of Alpha-Naphthylamine. May 31, 1932.

Pat. 1,860,751. New Triarylmethane Dyestuffs. May 31, 1932.

Pat. 1,860,753. Manufacture of Triarylmethane Dyes. May 31, 1932.

Pat. 1,861,382. Production and Manufacture of Stable Leuco-Indigo Preparations. May 31, 1932.

Pat. 1,862,786. Production of Anthraquinone Derivatives. June 14, 1932.

Pat. 1,863,265. Production of Anthraquinone Derivatives. June 14, 1932.

Pat. 1,863,331. Process of Making Colloidal Dispersions of Insoluble Colors in Organic Materials. June 14, 1932.

Pat. 1,863,332. Process of Making Colloidal Dispersions of Insoluble Colors. June 14, 1932.

Pat. 1,863,501. Storing Acetylene. June 14, 1932.

Pat. 1,866,439. Dividing Cords of Plastic or Gelatinous Material into Lengths. July 5, 1932.

Pat. 1,866,632. Manufacture of Aromatic Acids. July 12, 1932.

Pat. 1,867,076. Distillation of Water. July 12, 1932.

Pat. 1,867,962. Manufacture of M-Z-Xylidine. July 19, 1932.

Pat. 1,867,970. Means of Introducing Chemicals into Rubber or Cellulosic Materials. July 19, 1932.

Pat. 1,867,982. Morpholine Derivatives of Thiuram Tetrasulphide and the Process of Making the Same. July 19, 1932.

Pat. 1,868,300. Dyeing, Printing and Like Process. July 19, 1932.

Pat. 1,868,936. Dyeing Regenerated Cellulose Rayon. July 26, 1932.

Pat. 1,869,286. Dyes and Dyeing. July 26, 1932.

Pat. 1,869,930. Azo Dyestuffs and Method of Preparing Same. Aug. 2, 1932.

Pat. 1,872,080. Separating Gases or Vapors. Aug. 16, 1932.

Pat. 1,872,227. Manufacture of Benzyl Chloride. Aug. 16, 1932.

Pat. 1,873,277. Azo Dyes Adapted for Dyeing Regenerated Cellulose Materials. Aug. 23, 1932.

Pat. 1,873,278. Dyeing of Regenerated Cellulose Materials. Aug. 23, 1932.

Pat. 1,873,290. Manufacture of Triarylcarbinols. Aug. 23, 1932.

Pat. 1,873,300. Manufacture of Sulphonated Amino Anthraquinone. Aug. 23, 1932.

Pat. 1,873,344. Manufacture of Anthraquinone Derivatives. Aug. 23, 1932.

Pat. 1,873,345. Manufacture of Anthraquinone Derivatives. Aug. 23, 1932.

Pat. 1,873,542. Process of Producing Thermoplastic Products. Aug. 23, 1932.

Pat. 1,873,564. Production of 2-Aminoanthrahydroquinone 9:10-Disulphuric Ester and its Salts. Aug. 23, 1932.

Pat. 1,873,580. Manufacture of Emulsions. Aug. 23, 1932.

Pat. 1,874,686. Vulcanization of Rubber and New Compound Therefor. Aug. 30, 1932.

Pat. 1,875,272. Production of Anthracene Derivatives. Aug. 30, 1932.

Pat. 1,875,920. Treatment of Coal Distillation Gases. Sept. 6, 1932.

Pat. 1,875,924. Process for Separating and Recovering Olefines from Gases Containing Same. Sept. 6, 1932.

Pat. 1,875,926. Carrying out Chemical Reactions in Which Reaction Gases Are Circulated. Sept. 6, 1932.

Pat. 1,875,937. Apparatus for Degreasing Materials. Sept. 6, 1932.

Pat. 1,876,218. Catalyst for Production of Hydrocyanic Acid. Sept. 6, 1932.

Pat. 1,876,560. Process of Dyeing Viscose Rayon and the Dyed Material Thus Obtained. Sept. 13, 1932.

Pat. 1,876,848. Manufacture of New Azo Dyes. Sept. 13, 1932.

Pat. 1,877,130. Resinous Composition and Process of Making Same. Sept. 13, 1932.

Pat. 1,877,145. Apparatus for Carrying Out Reactions Continuously in the Liquid Phase Under Increased Pressure. Sept. 13, 1932.

Pat. 1,877,664. Production of Lubricating Oils. Sept. 13, 1932.

Pat. 1,877,800. Azo Dyes and Their Preparation. Sept. 20, 1932.

Pat. 1,877,847. Manufacture of Esters. Sept. 20, 1932.

Pat. 1,878,390. Production of Methanol and Other Oxygenated Organic Compounds and Preparation of Catalysts Therefor. Sept. 20, 1932.

Pat. 1,879,068. Vulcanisation of Rubber. Sept. 27, 1932.

Pat. 1,880,169. Manufacture and Production of Aromatic Acid Chlorides. Sept. 27, 1932.

Pat. 1,881,751. Manufacture of Anthraquinone Derivatives. Oct. 11, 1932.

Pat. 1,881,752. Manufacture of Anthraquinone Derivatives. Oct. 11, 1932.

Pat. 1,883,325. Secondary Disazo Dyestuffs. Oct. 18, 1932.

Pat. 1,884,880. Apparatus for Carrying Out Reactions Continuously in the Liquid Phase Under Increased Pressure. Oct. 25, 1932.

Pat. 1,885,449. Coloring Matters and Intermediates of the Benzanthrone Series. Nov. 1, 1932.

Pat. 1,885,591. Process for the Manufacture of New Xanthen Dyes. Nov. 1, 1932.

Pat. 1,885,592. Process for the Manufacture of New Xanthen Dyes. Nov. 1, 1932.

Pat. 1,886,441. Dyeing Cellulose Acetate. Nov. 8, 1932.

Pat. 1,886,947. Dye and Dyeing. Nov. 8, 1932.

Pat. 1,887,989. Shotgun Cartridge. Nov. 15, 1932.

Pat. 1,887,990. Shotgun Cartridge. Nov. 15, 1932.

Pat. 1,890,098. Production of Flavanthrone Dyestuff Intermediates. Dec. 6, 1932.

Pat. 1,890,099. Production of Dyestuff Intermediates of the Anthraquinone Series. Dec. 6, 1932.

Pat. 1,891,159. Manufacture of Amides of the Benzene, Naphthalene and Acenaphthene Series. Dec. 13, 1932.

Pat. 1,891,820. Descaling of Tubes. Dec. 20, 1932.

Pat. 1,891,843. Production of Halogenated Phthalic Anhydride. Dec. 20, 1932.

Pat. 1,891,859. Production of Carbon and Hydrogen Chloride. Dec. 20, 1932.

Pat. 1,893,530. Production of Dibenzanthrone Derivatives and the Like. Jan. 10, 1938.

Pat. 1,893,812. Production of Catalytic Material. Jan. 10, 1933.

Pat. 1,895,019. Art of Coloring. Jan. 24, 1933.

Pat. 1,895,336. Vat Dyestuff Derivatives. Jan. 24, 1933.

Pat. 1,895,382. Direct Dyeing Water Soluble Stable Derivatives of Vat Dyestuffs and Process of Making Same. Jan. 24, 1933.

Pat. 1,896,051. Shotgun Cartridge. Jan. 31, 1933.

Pat. 1,898,693. Dyes of the Anthraquinone Series. Feb. 21, 1933.

Pat. 1,898,748. Dyes of the Anthraquinone Series. Feb. 21, 1933.

Pat. 1,898,750. Manufacture of Anthraquinone Derivatives. Feb. 21, 1933.

Pat. 1,899,562. Process for the Removal of Arsenic from Sulphur. Feb. 28, 1933.

Pat. 1,901,278. Secondary Disazo Dyestuffs. Mar. 14, 1933.

Pat. 1,901,288. Manufacture of Vat Dyestuffs and of Intermediate Products Relating Thereto. Mar. 14, 1933.

Pat. 1,903,636. Production of Solid Calcium Nitrate. Apr. 11, 1933.

Pat. 1,904,240. Manufacture of Electric Detonators, Percussion Caps and Like Articles. Apr. 18, 1933.

Pat. 1,904,721. Manufacture of Sulphuric Esters of Anthrahydroquinones. Apr. 18, 1933.

Pat. 1,904,820. Azo Dye. Apr. 18, 1933.

Pat. 1,904,821. Disazo Dyestuffs and Method of Pre-

Pat. 1,925,641. Light Producing Ignitible Composition. Sept. 5, 1933.

Pat. 1,948,589. Compositions and Solutions for Use in Dyeing and Textile Printing. Feb. 27, 1934.

Pat. 1,975,223. Azo Dyes and Method for Their Preparation. Oct. 2, 1934.

Pat. 1,904,820. Aso Dye. Apr. 18, 1933.

Pat. 1,904,821. Disazo Dyestuffs and Method of Preparing Same. Apr. 18, 1933.

Pat. 1,904,822. Aso Dyestuffs and Method of Preparing Same. Apr. 18, 1933.

Pat. 1,905,290. Production of Aldol. Apr. 25, 1933.

Pat. 1,905,901. Collection of Sulphur from Gases or Vapors. Apr. 25, 1933.

Pat. 1,907,274. Process for Producing Benzene and Carbon Disulphide. May 2, 1933.

Pat. 1,908,314. Shotgun Cartridge Wad. May 9, 1933.

Pat. 1,908,372. Fusehead. May 9, 1933.

Pat. 1,908,731. Recovery of Sulphur Dioxide from Gases. May 16, 1933.

Pat. 1,908,878. Production of Sulphur from Sulphur Dioxide. May 16, 1933.

Pat. 1,911,667. Manufacture of Benzyl Chloride. May 30, 1933.

Pat. 1,911,716. Manufacture of Mercaptobenzthiazol. May 30, 1933.

Pat. 1,911,717. Manufacture of Nitroaminobenzene. May 30, 1933.

Pat. 1,914,872. Manufacture of Dyestuff Intermediates of the Anthraquinone Series. June 20, 1933.

Pat. 1,915,871. Production of Dyestuffs of the Anthraquinone Series. June 27, 1933.

Pat. 1,915,901. Manufacture of Vat Dyes. June 27, 1933.

Pat. 1,916,295. Artificial Resinous Substance. July 4, 1933.

Pat. 1,917,118. Shotgun Cartridge. July 4, 1933.

Pat. 1,917,311. Dyestuff Intermediates of the Benzoyl-Bensoic Acid Series. July 11, 1933.

Pat. 1,917,466. Compounds of the Amino-Halo-Indanthrene Series and Process of Making Them. July 11, 1933.

Pat. 1,918,624. Process for the Production of Chlorinated Hydrocarbons. July 18, 1933.

Pat. 1,919,773. Indophenols and Sulphur Dyestuffs Therefrom. July 25, 1933.

Pat. 1,920,828. Amino-Xylenols and Process of Producing Same. Aug. 1, 1933.

Pat. 1,920,829. Manufacture of Basic Dyestuffs. Aug. 1, 1933.

Pat. 1,921,078. Dyeing. Aug. 8, 1933.

Pat. 1,921,496. Production of Bensanthrone Derivatives. Aug. 8, 1933.

Pat. 1,921,497. Production of Sulphuric Anhydride Compounds of Pyridine. Aug. 8, 1933.

Pat. 1,923,625. Typewriting and Multiple-Copying Process. Aug. 22, 1933.

Pat. 1,923,911. Process of Treating Rubber and the Improved Age-Resisting Rubber Produced Thereby. Aug. 22, 1933.

Pat. 1,923,932. Vulcanisation of Rubber and Rubber-like Substances. Aug. 22, 1933.

Pat. 1,923,944. Aso Dyestuffs for Leather. Aug. 22, 1933.

Pat. 1,924,664. Production of Anthraquinone Derivatives. Aug. 29, 1933.

Pat. 1,924,774. Production of Dyestuffs and Intermediates. Aug. 29, 1933.

Pat. 1,925,641. Light Producing Ignitible Composition. Sept. 5, 1933.

Pat. 1,925,947. Manufacture of Resins Primarily Obtained from Polyhydric Alcohols and Polybasic Acids. Sept. 5, 1933.

Pat. 1,926,631. Wool Dye of the Triphenylmethane Series. Sept. 12, 1933.

Pat. 1,926,769. Sulphonated Oil Compound. Sept. 12, 1933.

Pat. 1,929,866. Production of Sulphuric Esters of Anthrahydroquinone and its Derivatives. Oct. 10, 1933.

Pat. 1,929,875. Dyestuffs and Intermediates of the Anthraquinone Series. Oct. 10, 1933.

Pat. 1,929,876. Vat Dyestuffs of the Anthraquinone Naphthacridone Series and Process of Making Them. Oct. 10, 1933.

Pat. 1,929,912. Dyes of the Pyranthrone Series. Oct. 10, 1933.

Pat. 1,930,409. Process of Preparing Anhydrous Leuco Vat Dyestuffs. Oct. 10, 1933.

Pat. 1,933,206. Manufacture of Amidines. Oct. 31, 1933.

Pat. 1,933,585. Aso Dyes and Their Production. Nov. 7, 1933.

Pat. 1,933,754. Process for Purification of Pentaerythritol Tetranitrate. Nov. 7, 1933.

Pat. 1,934,610. Process of Producing Hydrogen Cyanide. Nov. 7, 1933.

Pat. 1,936,474. Disulphuric Ester of Dihydro-3.3'-Dichlor-Dianthraquinone-1.2.2'.1'-Dihydroazine. Nov. 21, 1933.

Pat. 1,936,809. Production of Sulphur. Nov. 28, 1933.

Pat. 1,936,983. Process of Mold Fermentation and Apparatus Therefor. Nov. 28, 1933.

Pat. 1,937,718. Production of Dyestuffs and Intermediates. Dec. 5, 1933.

Pat. 1,938,162. Production of Compounds from Propylene. Dec. 5, 1933.

Pat. 1,938,360. Manufacture of Alkyl Ethers of Cellulose. Dec. 5, 1933.

Pat. 1,939,068. Recovery of Copper Minerals or Values by Froth Flotation. Dec. 12, 1933.

Pat. 1,939,218. Acylamino-Anthraquinones and Process of Producing the Same. Dec. 12, 1933.

Pat. 1,941,059. Treatment of Filling and Reinforcing Materials Used in Plastic Compositions. Dec. 26, 1933.

Pat. 1,942,889. Process of Performing Endothermic Gas Reactions. Jan. 9, 1934.

Pat. 1,943,461. Cellulose Ether and Method of Making Same. Jan. 16, 1934.

Pat. 1,943,787. Dyeing and the Like. Jan. 16, 1934.

Pat. 1,944,161. Production of Addition Product of Unsaturated Hydrocarbons. Jan. 23, 1934.

Pat. 1,944,896. Manufacture of Cellulose Ethers. Jan. 30, 1934.

Pat. 1,945,256. Deposition of Rubber. Jan. 30, 1934.

Pat. 1,947,433. Manufacture of Soluble Compositions and Their Use in Dyeing and Printing. Feb. 13, 1934.

Pat. 1,947,725. Agents for Diminishing or Suppressing Foaming and Frothing and the Application Thereof. Feb. 20, 1934.

Pat. 1,948,116. Dyestuff and Dyestuff Intermediate. Feb. 20, 1934.

Pat. 1,948,589. Compositions and Solutions for Use in Dyeing and Textile Printing. Feb. 27, 1934.

Pat. 1,949,240. Preservation of Oxidisable Organic Compounds. Feb. 27, 1934.

Pat. 1,949,299. Sulphuric Ester of the Anthraquinone Series and Process Suitable for Making the Same. Feb. 27, 1934.

Pat. 1,951,794. Shotgun Tracer Cartridge. Mar. 20, 1934.

Pat. 1,952,057. Catalyst and Method of Making the Same. Mar. 27, 1934.

Pat. 1,955,802. Manufacture of Aromatic Arylides. Apr. 24, 1934.

Pat. 1,955,890. Oxidation of Organic Compounds. Apr. 24, 1934.

Pat. 1,959,182. Cooling of Coke and Obtaining a Nitrogen Hydrogen Mixture. May 15, 1934.

Pat. 1,960,756. Production of Hydrated Lime. May 29, 1934.

Pat. 1,961,196. Sulphonation of Aromatic Amines. June 5, 1934.

Pat. 1,961,663. Sulphonation of Squalene and Oil Containing Squalene. June 5, 1934.

Pat. 1,961,867. Process for Degreasing Metallic Articles. June 5, 1934.

Pat. 1,962,142. Dyes and Dyeing. June 12, 1934.

Pat. 1,964,788. Delay Action Electric Detonator. July 3, 1934.

Pat. 1,967,551. Manufacture of Esters. July 24, 1934.

Pat. 1,967,674. Purification of Sulphur. July 24, 1934.

Pat. 1,967,912. Color Lake. July 24, 1934.

Pat. 1,968,905. Production of Aryl Mercapto Compounds. Aug. 7, 1934.

Pat. 1,968,906. Production of Aryl Mercapto Compounds. Aug. 7, 1934.

Pat. 1,969,044. Dyestuff of the Anthraquinone Series and Process of Preparing the Same. Aug. 7, 1934.

Pat. 1,969,246. Priming Composition. Aug. 7, 1934.

Pat. 1,970,083. Sulphuric Acid Ester of Anthranols. Aug. 14, 1934.

Pat. 1,970,090. Floor Covering or Like Material. Aug. 14, 1934.

Pat. 1,970,654. Sulphuric Ester of 3.3'-Difluoro-Dianthrahydroquinone-Azines. Aug. 21, 1934.

Pat. 1,970,710. Ketonic Perylene Derivative and Process of Preparing Same. Aug. 21, 1934.

Pat. 1,972,142. Process for the Production of Carboxylic Acid Amides. Sept. 4, 1934.

Pat. 1,972,918. Vulcanization Accelerator and Process of Preparing the Same. Sept. 11, 1934.

Pat. 1,972,960. Production and Use of Anthracene Dyes. Sept. 11, 1934.

Pat. 1,973,426. Apparatus for the Degreasing of Materials by Means of Volatile Solvents. Sept. 11, 1934.

Pat. 1,974,817. Vat Dyestuffs of the Dibensanthrone Series and Process of Making Same. Sept. 25, 1934.

Pat. 1,974,886. Roasting of Sulphide Ores. Sept. 25, 1934.

Pat. 1,975,061. Anthraquinone Dyestuffs and Their Application. Sept. 25, 1934.

Pat. 1,975,166. Aso Dyes and Method for Their Preparation. Oct. 2, 1934.

Pat. 1,975,223. Aso Dyes and Method for Their Preparation. Oct. 2, 1934.

Pat. 1,975,233. Aso Dyes and Method for Their Preparation. Oct. 2, 1934.

Pat. 1,975,609. Aso Dye and Method for Its Preparation. Oct. 2, 1934.

Pat. 1,975,611. Aso Dye. Oct. 2, 1934.

Pat. 1,976,689. Tetra Sulphuric Acid Esters of Indanthrones and Their Production. Oct. 9, 1934.

Pat. 1,977,627. Process of Producing Diphenylolpropane. Oct. 23, 1934.

Pat. 1,977,628. Production of Fertilisers. Oct. 23, 1934.

Pat. 1,977,632. Production of Ethyl Alcohol from Ethylene. Oct. 23, 1934.

Pat. 1,977,633. Process for Producing Alcohols. Oct. 23, 1934.

Pat. 1,977,634. Production of Alcohols from Olefines. Oct. 23, 1934.

Pat. 1,977,635. Process for the Catalytic Hydration of Olefines. Oct. 23, 1934.

Pat. 1,977,652. Manufacture of Resins for Lacquers, Varnishes and the Like. Oct. 23, 1934.

Pat. 1,977,659. Process of Recovering Ethylene from Gaseous Olefine Mixtures Containing the Same. Oct. 23, 1934.

Pat. 1,978,197. Manufacture and Application of Special Pigments Suited for the Coloring of Rubber. Oct. 23, 1934.

Pat. 1,978,247. Manufacture of Adhesive Materials from Rubber Latex. Oct. 23, 1934.

Pat. 1,978,820. Manufacture of Leuco Indigo. Oct. 30, 1934.

Pat. 1,979,505. Coloring. Nov. 6, 1934.

Pat. 1,980,483. Resin and Resin Forming Compound. Nov. 13, 1934.

Pat. 1,981,027. Textile Printing Process and Composition. Nov. 20, 1934.

Pat. 1,981,292. Emulsifying Agent. Nov. 20, 1934.

Pat. 1,981,901. Alkali Metal Salt of Elaidyl Sulphuric Ester. Nov. 27, 1934.

Pat. 1,981,926. Insecticide. Nov. 27, 1934.

Pat. 1,982,407. Process of Producing Hydrogen Cyanide. Nov. 27, 1934.

Pat. 1,983,541. Manufacture of Acetic Anhydride. Dec. 11, 1934.

Pat. 1,985,287. Production of Fast Dyeings on Textile Fibers. Dec. 25, 1934.

Pat. 1,985,424. Alkylene-Oxide Derivatives of Polyhydroxyalkyl-alkylamides. Dec. 25, 1934.

Pat. 1,986,808. Sulphonated Oil. Jan. 8, 1935.

Pat. 1,986,876. Production of Unsaturated Compounds. Jan. 8, 1935.

Pat. 1,987,260. Manufacture of Glycerine. Jan. 8, 1935.

Pat. 1,988,493. Production of Nitro-Naphthalenes. Jan. 22, 1935.

Pat. 1,990,906. Vulcanization of Rubber. Feb. 12, 1935.

Pat. 1,991,999. Squalene Derivative and Process of Making the Same. Feb. 19, 1935.

Pat. 1,992,049. Roasting of Plumbiferous Pyrites. Feb. 19, 1935.

Pat. 1,992,060. Process for Treating Cyanide Solutions. Feb. 19, 1935.

Pat. 1,993,067. Manufacture of New Green Sulphur

Pat. 2,013,295. Dentures. Sept. 3, 1935.

Pat. 2,013,300. Detergent Compositions. Sept. 3, 1935.

Pat. 2,027,150. Derivatives of Urea. Jan. 7, 1936.

Pat. 2,027,178. Disazo Dyestuffs and Their Production. Jan. 7, 1936.

Pat. 2,042,127. Apparatus for the Treatment of Gases or Vapors with Liquids. May 26, 1936.

Pat. 2,042,458. Production of Esters of Methacrylic Acid. June 2, 1936.

Pat. 1,992,060. Process for Treating Cyanide Solutions. Feb. 19, 1935.

Pat. 1,993,067. Manufacture of New Green Sulphur Dyestuffs. Mar. 5, 1935.

Pat. 1,993,089. Production of Unsaturated Esters. Mar. 5, 1935.

Pat. 1,994,641. Nitrophenylthioglycollic Acids. Mar. 19, 1935.

Pat. 1,994,931. Manufacture of Flexible Electrical Insulating Material. Mar. 19, 1935.

Pat. 1,996,937. Production of Chlorinated Rubber Products. Apr. 9, 1935.

Pat. 1,998,463. Process of Preparing Cellulose Derivatives. Apr. 23, 1935.

Pat. 1,999,315. Production of Ethers. Apr. 30, 1935.

Pat. 1,999,576. Production of Glyoxals. Apr. 30, 1935.

Pat. 2,000,051. Metal Compound Containing an Isoindole Nucleus and Process of Making the Same. May 7, 1935.

Pat. 2,000,052. Process for the Manufacture of Colored Compounds and the Product Thereof. May 7, 1935.

Pat. 2,000,118. Pyrolysis of Hydrocarbons. May 7, 1935.

Pat. 2,000,559. Wetting Preparations and Their Manufacture. May 7, 1935.

Pat. 2,003,291. Resinous Composition. June 4, 1935.

Pat. 2,003,928. Stripping and Discharging Dyed Textiles. June 4, 1935.

Pat. 2,003,960. Printing. June 4, 1935.

Pat. 2,004,728. Hydroxy Aryl Mercapto Compounds and Processes for Preparing the Same. June 11, 1935.

Pat. 2,005,499. Resinous Compounds. June 18, 1935.

Pat. 2,006,216. Inhibitor. June 25, 1935.

Pat. 2,006,538. Nitro-Amino-Alkoxy-Diphenyl. July 2, 1935.

Pat. 2,006,718. Manufacture of Indoles. July 2, 1935.

Pat. 2,008,157. Anthraquinone-Acridone Dyestuff. July 16, 1935.

Pat. 2,008,450. Manufacture of Sensitized Photographic Emulsions. July 16, 1935.

Pat. 2,008,469. Production of Fertilizers. July 16, 1935.

Pat. 2,008,489. Stable Gas-Generating Compositions. July 16, 1935.

Pat. 2,008,766. Dyeing Process. July 23, 1935.

Pat. 2,008,808. Explosive Composition. July 23, 1935.

Pat. 2,009,396. Diaminostilbene Derivatives and Methods for Their Preparation. July 30, 1935.

Pat. 2,009,397. Azo Dye and Its Preparation. July 30, 1935.

Pat. 2,011,589. Process of Producing Pentaerythrite. Aug. 20, 1935.

Pat. 2,012,991. Azo Dyes and Methods for Their Preparation. Sept. 3, 1935.

Pat. 2,012,994. Azo Dyestuff and Its Production. Sept. 3, 1935.

Pat. 2,013,052. Production of Aromatic Amines. Sept. 3, 1935.

Pat. 2,013,081. Treatment of Textile Materials. Sept. 3, 1935.

Pat. 2,013,295. Dentures. Sept. 3, 1935.

Pat. 2,013,300. Detergent Compositions. Sept. 3, 1935.

Pat. 2,013,652. Method for the Production of Nitrogen and Hydrogen by the Thermal Decomposition of Ammonia. Sept. 10, 1935.

Pat. 2,013,809. Production of Nitrogen. Sept. 10, 1935.

Pat. 2,014,207. Azo Dye and Method for Its Preparation. Sept. 10, 1935.

Pat. 2,014,421. Accelerator for the Vulcanization of Rubber. Sept. 17, 1935.

Pat. 2,014,428. Azo Derivatives and Their Use in Dyeing. Sept. 17, 1935.

Pat. 2,014,433. Azo Dye. Sept. 17, 1935.

Pat. 2,014,434. Azo Dye and Method for Its Production. Sept. 17, 1935.

Pat. 2,014,450. Azo Dye and Method for Its Preparation. Sept. 17, 1935.

Pat. 2,014,790. Compound of the Anthraquinone-Acridone Series and Process of Preparing the Same. Sept. 17, 1935.

Pat. 2,014,810. Anthraquinone Derivatives. Sept. 17, 1935.

Pat. 2,015,011. Anthraquinone Dyestuffs and Process of Preparing Them. Sept. 17, 1935.

Pat. 2,015,073. Process of Hydrating Olefines. Sept. 24, 1935.

Pat. 2,015,094. Production of Ketones. Sept. 24, 1935.

Pat. 2,015,223. Recovery of Ethylene. Sept. 24, 1935

Pat. 2,016,836. Heterocyclic Nitrogen Compounds. Oct. 8, 1935.

Pat. 2,018,764. Azo Dye and Method for Its Preparation. Oct. 29, 1935.

Pat. 2,019,124. Stripping Agent. Oct. 29, 1935.

Pat. 2,019,530. Enolic Ethereal Salts Derived from Indanthrone. Nov. 5, 1935.

Pat. 2,019,539. Manufacture of Benzyl Cellulose. Nov. 5, 1935.

Pat. 2,020,335. Degreasing. Nov. 12, 1935.

Pat. 2,020,345. Sulphur Dye and Method for Its Preparation. Nov. 12, 1935.

Pat. 2,020,385. Chemical Products. Nov. 12, 1935.

Pat. 2,021,680. Preparation of Methylene Ethers. Nov. 19, 1935.

Pat. 2,021,917. Azo Dye and Method for Its Preparation. Nov. 26, 1935.

Pat. 2,021,926. Treatment of Waxes. Nov. 26, 1935.

Pat. 2,023,614. Process of Dyeing with Azo Dyes and Cellulosic Material Dyed Therewith. Dec. 10, 1935.

Pat. 2,023,615. Green Azo Dyestuffs and Process of Making Same. Dec. 10, 1935.

Pat. 2,024,389. Manufacture of Laminated Non-splintering Glass. Dec. 17, 1935.

Pat. 2,024,406. Priming Composition. Dec. 17, 1935.

Pat. 2,025,211. Azo Dyestuffs and Process of Making the Same. Dec. 24, 1935.

Pat. 2,025,791. Production of Derivatives of an Ortho-Cyano-Aryl Amido. Dec. 31, 1935.

Pat. 2,026,629. Dyestuff Intermediates. Jan. 7, 1936.

Pat. 2,026,804. Manufacture of Acrylic Acid. Jan. 7, 1936.

Pat. 2,027,150. Derivatives of Urea. Jan. 7, 1936.

Pat. 2,027,178. Disazo Dyestuffs and Their Production. Jan. 7, 1936.

Pat. 2,027,208. Ignition Composition. Jan. 7, 1936.

Pat. 2,027,955. Intermediates for Dyes. Jan. 14, 1936.

Pat. 2,029,351. Dyeing Process. Feb. 4, 1936.

Pat. 2,029,509. Arylamides of 2,3-Hydroxynaphthoic Acids. Feb. 4, 1936.

Pat. 2,030,214. Azo Dyes and Methods for Their Preparation. Feb. 11, 1936.

Pat. 2,031,023. Rhodamine Coloring Matters and Process for Preparing the Same. Feb. 18, 1936.

Pat. 2,031,084. Blasting Assembly. Feb. 18, 1936.

Pat. 2,031,801. Burning of Pyrites. Feb. 25, 1936.

Pat. 2,031,802. Recovery of Sulphur Dioxide from Gas Mixtures. Feb. 25, 1936.

Pat. 2,032,097. Waterproofing Leather. Feb. 25, 1936.

Pat. 2,032,465. Amino-Hydroxy-Naphthonitriles and Processes of Preparing Same. Mar. 3, 1936.

Pat. 2,032,502. Polymethine Dyes Containing a Pyrazolone Nucleus and Process of Producing Them. Mar. 3, 1936.

Pat. 2,033,276. Rubber and Rubber-Like Preparations. Mar. 10, 1936.

Pat. 2,034,449. Seed Disinfectant. Mar. 17, 1936.

Pat. 2,035,190. Manufacture of Thermoplastic Resinous Materials. Mar. 24, 1936.

Pat. 2,035,459. Manufacture of Chlorinated Indanthrone Compounds. Mar. 31, 1936.

Pat. 2,035,520. Emulsions of Resins of the Polyhydric Alcohol Polybasic Acid Type and the Application Thereof. Mar. 31, 1936.

Pat. 2,036,159. Manufacture of New Azo Dyestuff. Mar. 31, 1936.

Pat. 2,036,196. Application of Dyestuffs. Apr. 7, 1936.

Pat. 2,036,202. Anthraquinone Lactam Dyestuffs. Apr. 7, 1936.

Pat. 2,036,257. Cellulose Derivative Solutions and Process of Making the Same. Apr. 7, 1936.

Pat. 2,037,909. Monoazo Dye and Its Production. Apr. 21, 1936.

Pat. 2,037,910. Dyeing Cellulose Esters and Ethers. Apr. 21, 1936.

Pat. 2,038,705. Ethers of Polyhydric Alcohols. Apr. 28, 1936.

Pat. 2,038,772. Blasting Charge. Apr. 28, 1936.

Pat. 2,041,402. Manufacture of New Enolic Sulphuric Esters of Hydroindanthrones. May 19, 1936.

Pat. 2,041,697. Azo Dyes and Method for Their Preparation. May 26, 1936.

Pat. 2,041,698. Azo Dyes and Method for Their Preparation. May 26, 1936.

Pat. 2,041,705. Amino Derivatives of O-Nitro-Phenyllactic and Thiolactic Acids. May 26, 1936.

Pat. 2,041,716. Amino-Ortho-Nitro-Aryl-Thiocarboxylic Acids and Process of Preparing Same. May 26, 1936.

Pat. 2,041,820. Production of Esters. May 26, 1936.

Pat. 2,041,838. 1-(β-Hydroxyethylamino)-5-Naphthol and Process of Preparing Same. May 26, 1936.

Pat. 2,041,851. Azo Dyestuffs and Their Preparation. May 26, 1936.

618 O. G.—43

Pat. 2,042,127. Apparatus for the Treatment of Gases or Vapors with Liquids. May 26, 1936.

Pat. 2,042,458. Production of Esters of Methacrylic Acid. June 2, 1936.

Pat. 2,042,484. Process for the Preparation of Low Substituted Cellulose Sulphates. June 2, 1936.

Pat. 2,043,078. Dichloro-Anthraquinone-Acridones and Process for Preparing the Same. June 2, 1936.

Pat. 2,044,045. N,N-Dialkylol Anilines and Process of Producing Same. June 16, 1936.

Pat. 2,044,082. Azo Dyes and Method for their Preparation. June 16, 1936.

Pat. 2,044,083. Aminohydroquinone-Di-(Beta-Hydroxyethyl) Ether and Method of Producing Same. June 16, 1936.

Pat. 2,044,084. Secondary Disazo Dyestuffs and Their Production. June 16, 1936.

Pat. 2,044,099. Treatment of Leather. June 16, 1936.

Pat. 2,044,960. Production of Sulphur, Sulphur Dioxide and Iron Oxide. June 23, 1936.

Pat. 2,045,651. Polymerization Product and Process for Molding Same. June 30, 1936.

Pat. 2,045,979. Plastic and Coating Composition. June 30, 1936.

Pat. 2,046,015. Adhesives and Products Derived Therefrom. June 30, 1936.

Pat. 2,046,174. Cellulose Derivative Solutions and Process of Making the Same. June 30, 1936.

Pat. 2,046,194. Blasting Charge. June 30, 1936.

Pat. 2,046,356. Manufacture of Diarylamine Derivatives. July 7, 1936.

Pat. 2,046,375. p-Halogen-o-Alkoxy-Aniline Derivatives and Process of Preparing the Same. July 7, 1936.

Pat. 2,047,611. Manufacture of Hydrochloric Acid. July 14, 1936.

Pat. 2,047,647. Cupriferous Azo Dyestuffs and Their Production. July 14, 1936.

Pat. 2,047,657. Manufacture of N-Substituted Cyano-Formarylides. July 14, 1936.

Pat. 2,048,038. Delay Action Electric Fuse. July 21, 1936.

Pat. 2,048,827. Blasting Charge. July 28, 1936.

Pat. 2,048,831. Blasting Explosive Cartridge. July 28, 1936.

Pat. 2,048,885. Nicotinium Salts and Process for Their Production. July 28, 1936.

Pat. 2,049,299. Azo Dyestuffs and Their Production. July 28, 1936.

Pat. 2,049,510. Azo-Anthranilic Acid and Its Production. Aug. 4, 1936.

Pat. 2,049,512. Dispersing and Emulsifying Agents. Aug. 4, 1936.

Pat. 2,049,648. Anthraquinone Dyestuffs. Aug. 4, 1936.

Pat. 2,049,657. Process and Composition for Coloring Organic Derivatives of Cellulose. Aug. 4, 1936.

Pat. 2,050,160. Gas Washing. Aug. 4, 1936.

Pat. 2,051,046. Production of Ethyl Alcohol from Ethylene. Aug. 18, 1936.

Pat. 2,052,192. Boric Acid Esters. Aug. 25, 1936.

Pat. 2,052,386. Zinc Derivatives of Diazo Salts and a Process of Making Them. Aug. 25, 1936.

Pat. 2,052,424. Azo Dyes and Their Production. Aug. 25, 1936.

Pat. 2,063,286. Naphthalene Polycarboxylic Acid Derivative and Process for Preparing the Same. Dec. 8, 1936.

Pat. 2,077,575. Azo Dyes and Their Production. Apr. 20, 1937.

Pat. 2,091,145. Dyeing Process. Aug. 24, 1937.

Pat. 2,091,182. Apparatus for Degreasing Metal and Like Non-Absorbent Articles by Means of Volatile Sol-

Pat. 2,052,424. Azo Dyes and Their Production. Aug. 25, 1936.

Pat. 2,052,612. Stripping Dyed Textiles. Sept. 1, 1936.

Pat. 2,053,343. Anthraquinone Dyestuffs. Sept. 8, 1936.

Pat. 2,053,424. Manufacture of Alkyl Sulphonic Acids. Sept. 8, 1936.

Pat. 2,054,088. Manufacture of O- and Peri-Aryl Dinitriles. Sept. 15, 1936.

Pat. 2,054,242. Manufacture of Esters of Methacrylic Acid. Sept. 15, 1936.

Pat. 2,054,628. Fuel Oil. Sept. 15, 1936.

Pat. 2,054,740. Polymerisation of Derivatives of Unsaturated Organic Acids. Sept. 15, 1936.

Pat. 2,055,607. Tri-Aryl-Methane Dyes. Sept. 29, 1936.

Pat. 2,055,929. Production of Hydrocarbon Derivatives. Sept. 29, 1936.

Pat. 2,056,255. Para-Para'-Dinitro-Diphenylureas and Process of Producing Same. Oct. 6, 1936.

Pat. 2,056,299. Derivatives of Hydroquinone. Oct. 6, 1936.

Pat. 2,056,429. Apparatus for Treating Gases with Liquids. Oct. 6, 1936.

Pat. 2,056,430. Gas Scrubber. Oct. 6, 1936.

Pat. 2,056,473. Anthraquinone Derivatives and Process of Making the Same. Oct. 6, 1936.

Pat. 2,056,593. 3.3'-Dichlorindanthrone and Process of Producing the Same. Oct. 6, 1936.

Pat. 2,056,771. Production of Esters of Methacrylic Acid. Oct. 6, 1936.

Pat. 2,056,944. Coloring Matters of the Lead Phthalocyanine Series and Their Manufacture. Oct. 13, 1936.

Pat. 2,057,063. Azo Dyes and Their Production. Oct. 13, 1936.

Pat. 2,057,600. A Coating Composition. Oct. 13, 1936.

Pat. 2,057,685. Azo Dyestuffs and Their Production. Oct. 20, 1936.

Pat. 2,059,230. Apparatus for Granulating Molten Materials. Nov. 3, 1936.

Pat. 2,059,273. Chemical Compounds Derivable from Urea and Ethylene Oxide and Useful as Textile Assistants. Nov. 3, 1936.

Pat. 2,059,619. Treatment of Benzyl Cellulose. Nov. 3, 1936.

Pat. 2,059,842. Synthetic Resinous Product. Nov. 3, 1936.

Pat. 2,060,845. N-Ethyl, N-Ethylol Cresidine and Process of Producing Same. Nov. 17, 1936.

Pat. 2,061,621. Color Stripping Process. Nov. 24, 1936.

Pat. 2,061,627. Manufacture of Nitronaphthylamines. Nov. 24, 1936.

Pat. 2,061,728. Nitration of Glycerin. Nov. 24, 1936.

Pat. 2,062,957. Process of Preparing Aliphatic Sulpho-Ethers. Dec. 1, 1936.

Pat. 2,062,958. Ether Compounds. Dec. 1, 1936.

Pat. 2,063,211. Naphthalene Derivatives. Dec. 8, 1936.

Pat. 2,063,246. Anthraquinone Dyestuffs. Dec. 8, 1936.

Pat. 2,063,286. Naphthalene Polycarboxylic Acid Derivative and Process for Preparing the Same. Dec. 8, 1936.

Pat. 2,063,594. Sulphuric Acid Esters of Indanthrone. Dec. 8, 1936.

Pat. 2,063,634. Dianthraquinonyl Dicarboxylic Acids and the Process for Preparing the Same. Dec. 8, 1936.

Pat. 2,063,982. Stabilised Rubber Latex. Dec. 15, 1936.

Pat. 2,064,116. Hydration of Olefines. Dec. 15, 1936.

Pat. 2,065,588. Fuel Oil. Dec. 29, 1936.

Pat. 2,067,237. Manufacture of Aromatic Aldehydes. Jan. 12, 1937.

Pat. 2,067,946. Process of Making Cellulose Derivatives. Jan. 19, 1937.

Pat. 2,067,971. Manufacture of Chlorinated Rubber. Jan. 19, 1937.

Pat. 2,068,124. Anthraquinone Dyes and Process for Preparing the Same. Jan. 19, 1937.

Pat. 2,069,262. Manufacture of Chlorinated Rubber. Feb. 2, 1937.

Pat. 2,069,836. Monoazo Dyestuffs and Their Production. Feb. 9, 1937.

Pat. 2,069,919. Printing Process. Feb. 9, 1937.

Pat. 2,070,292. Cupriferous Azo Dyestuffs and Their Production. Feb. 9, 1937.

Pat. 2,070,318. Manufacture of Alcohols. Feb. 9, 1937.

Pat. 2,071,898. Sensitised Photographic Silver Halide Emulsions. Feb. 23, 1937.

Pat. 2,071,899. Sensitised Photographic Film, Plate and Emulsion. Feb. 23, 1937.

Pat. 2,071,907. Preparation of Polymers in Sheet or Block Form. Feb. 23, 1937.

Pat. 2,072,237. Manufacture of Aromatic Carboxylic Derivatives. Mar. 2, 1937.

Pat. 2,072,238. Manufacture of Naphthalene Derivatives. Mar. 2, 1937.

Pat. 2,072,259. Anthraquinone Dyestuffs. Mar. 2, 1937.

Pat. 2,073,797. Manufacture of Glycerides of Fatty Acids. Mar. 16, 1937.

Pat. 2,074,032. Cartridge for Blasting. Mar. 16, 1937.

Pat. 2,074,179. Anthraquinone Dyestuffs. Mar. 16, 1937.

Pat. 2,074,181. Benzanthrone Derivatives. Mar. 16, 1937.

Pat. 2,074,197. Textile Printing. Mar. 16, 1937.

Pat. 2,074,641. Measurement of High Temperatures. Mar. 23, 1937.

Pat. 2,075,013. Acylamino Alkyl-Aryl Ethers and Their Sulphonation Products. Mar. 30, 1937.

Pat. 2,075,043. A Process for Producing a Copper Phthalocyanine Compound. Mar. 30, 1937.

Pat. 2,075,958. Quaternary Ammonium Compounds and Process of Preparing the Same. Apr. 6, 1937.

Pat. 2,075,969. Blasting Explosive Cartridge and Borehole Charge. Apr. 6, 1937.

Pat. 2,077,546. Process for Dyeing Leather. Apr. 20, 1937.

Pat. 2,077,548. Production of Dinaphthylene Oxide. Apr. 20, 1937.

Pat. 2,077,575. Azo Dyes and Their Production. Apr. 20, 1937.

Pat. 2,077,591. Mercurated Salicyl Aryl Amides. Apr. 20, 1937.

Pat. 2,078,240. Manufacture of Safety Explosives. Apr. 27, 1937.

Pat. 2,078,298. Blasting. Apr. 27, 1937.

Pat. 2,078,960. Manufacture of Naphthylamine Derivatives. May 4, 1937.

Pat. 2,079,347. Process of Preparing Unsaturated Sulphate Esters. May 4, 1937.

Pat. 2,079,350. Pigmented Products. May 4, 1937.

Pat. 2,079,606. Process for Producing Resins. May 11, 1937.

Pat. 2,079,626. Synthetic Resin Varnishes and Synthetic Resins. May 11, 1937.

Pat. 2,079,756. Acid Resisting Composition. May 11, 1937.

Pat. 2,079,777. Safety Igniter for Blasting Explosive Devices. May 11, 1937.

Pat. 2,080,419. Process for Producing Higher Fatty Alcohols. May 18, 1937.

Pat. 2,081,736. Coloring Matters. May 25, 1937.

Pat. 2,081,755. Anthraquinone Dyestuffs. May 25, 1937.

Pat. 2,081,756. Acid Dyestuffs of the Anthraquinone Series. May 25, 1937.

Pat. 2,083,012. Degreasing Apparatus. June 8, 1937.

Pat. 2,083,214. Preparing 4,4'-Dialkoxy Diphenylamines. June 8, 1937.

Pat. 2,084,386. Plastic and Coating Compositions. June 22, 1937.

Pat. 2,086,879. Gas Absorption Process. July 6, 1937.

Pat. 2,087,706. Azo Dyes and Their Production. July 20, 1937.

Pat. 2,088,327. Azo Dyestuffs and Process of Preparing Them. July 27, 1937.

Pat. 2,088,333. Azo Dyes and Their Production. July 27, 1937.

Pat. 2,088,667. Amino-Aroylamino-Benzoic Acid and Process of Making It. Aug. 3, 1937.

Pat. 2,088,726. Azo Dye. Aug. 3, 1937.

Pat. 2,088,829. Naphthalene Polycarboxylic Acid Arylides and a Process for Preparing the Same. Aug. 3, 1937.

Pat. 2,089,102. Apparatus for Cleaning or Degreasing Materials. Aug. 3, 1937.

Pat. 2,089,293. Safety Paper. Aug. 10, 1937.

Pat. 2,089,413. Production of Novel Effects on Textiles. Aug. 10, 1937.

Pat. 2,090,142. Wet Purification of Gases. Aug. 17, 1937.

Pat. 2,090,148. Gas Washing. Aug. 17, 1937.

Pat. 2,090,608. Gas-Generating Charge. Aug. 17, 1937.

Pat. 2,090,890. Textile Printing. Aug. 24, 1937.

Pat. 2,091,105. Textile Assistants and Process for Preparing the Same. Aug. 24, 1937.

Pat. 2,091,106. Compounds of the Dimethylolurea-ethylene-Oxide Condensation-Product Series. Aug. 24, 1937.

Pat. 2,091,143. Dyeing by Means of Sulphuric Esters of Indanthrones. Aug. 24, 1937.

Pat. 2,091,145. Dyeing Process. Aug. 24, 1937.

Pat. 2,091,182. Apparatus for Degreasing Metal and Like Non-Absorbent Articles by Means of Volatile Solvents. Aug. 24, 1937.

Pat. 2,091,187. Degreasing Apparatus. Aug. 24, 1937.

Pat. 2,091,367. Azo Dyestuffs and Their Production. Aug. 31, 1937.

Pat. 2,091,812. Alkyl and Alkoxy-Arylamino Anthraquinone Dyestuffs and Process for Preparing Them. Aug. 31, 1937.

Pat. 2,092,075. Monoazo Dyestuffs and Their Production. Sept. 7, 1937.

Pat. 2,092,076. Disazo Dyestuffs and Their Production. Sept. 7, 1937.

Pat. 2,092,795. Process for Separating Mixtures of Chlor-Phthalic Acid and Anhydrides. Sept. 14, 1937.

Pat. 2,092,902. Manufacture of New Phenanthrone Derivatives. Sept. 14, 1937.

Pat. 2,093,265. Process for the Manufacture of Diaryl Ureas. Sept. 14, 1937.

Pat. 2,094,078. Dyestuff Intermediate. Sept. 28, 1937.

Pat. 2,094,082. Dyeing of Cellulosic Materials. Sept. 28, 1937.

Pat. 2,094,085. Polymercurated Aromatic Hydrocarbons. Sept. 28, 1937.

Pat. 2,094,090. Benzothiazyl Sulphonium Compounds. Sept. 28, 1937.

Pat. 2,095,028. Treating Textile Materials and Articles Made Therefrom. Oct. 5, 1937.

Pat. 2,097,064. Process for the Manufacture of Hydrocyanic Acid. Oct. 26, 1937.

Pat. 2,097,264. Methyl Alpha-Beta-Dichloroiso-Butyrate and Process of Preparation of Same. Oct. 26, 1937.

Pat. 2,097,290. Roller Apparatus. Oct. 26, 1937.

Pat. 2,097,432. Acetate Artificial Silk Dyestuffs. Nov. 2, 1937.

Pat. 2,097,586. Production of Polymerised Unsaturated Compounds. Nov. 2, 1937.

Pat. 2,097,634. Method for the Production of Porous Silica Gel. Nov. 2, 1937.

Pat. 2,097,640. Quaternary Ammonium Compounds. Nov. 2, 1937.

Pat. 2,097,672. Anthraquinone Derivatives. Nov. 2, 1937.

Pat. 2,097,675. Coloring Acetate Artificial Silk. Nov. 2, 1937.

Pat. 2,098,276. Azo Dyes and Methods for Their Preparation. Nov. 9, 1937.

Pat. 2,098,964. Artificial Resins. Nov. 16, 1937.

Pat. 2,100,297. Solubilised Higher Aliphatic Sulphides and Process for Their Production. Nov. 23, 1937.

Pat. 2,100,392. Alkylarylanthraquinone Dyestuffs. Nov. 30, 1937.

Pat. 2,100,401. Manufacture of Ortho- and Peri-Aryl Dinitriles. Nov. 30, 1937.

Pat. 2,101,223. Chemical Process. Dec. 7, 1937.

Pat. 2,101,664. Diazo Salt Preparations. Dec. 7, 1937.

Pat. 2,101,821. Manufacture of Unsaturated Organic Compounds. Dec. 7, 1937.

Pat. 2,101,822. Manufacture of Unsaturated Organic Amines. Dec. 7, 1937.

Pat. 2,101,831. Sulphated Selachyl Alcohol. Dec. 14, 1937.

Pat. 2,101,910. Process for the Manufacture of Alkoxy-anthraquinones. Dec. 14, 1937.

Pat. 2,117,334. Monoazo Dyestuffs and Their Production. May 17, 1938.

Pat. 2,117,476. Anthraquinone Dyestuffs and Their Manufacture. May 17, 1938.

Pat. 2,129,677. Manufacture of New Azine Dyestuffs. Sept. 13, 1938.

Pat. 2,129,678. Azine Dyestuffs. Sept. 13, 1938.

Pat. 2,129,690. n-Propylmethacrylate. Sept. 13, 1938.

Pat. 2,143,956. Soluble Azo Dyestuffs. Jan. 17, 1939.

Pat. 2,144,647. Treatment of Leather. Jan. 24, 1939.

Pat. 2,145,954. Anthraquinone Derivatives. Feb. 7, 1939.

Pat. 2,101,831. Sulphated Selachyl Alcohol. Dec. 14, 1937.

Pat. 2,101,910. Process for the Manufacture of Alkoxyanthraquinones. Dec. 14, 1937.

Pat. 2,102,104. Manufacture of Isatin Derivatives. Dec. 14, 1937.

Pat. 2,104,068. Quaternary Ammonium Salts of Mercapto-Arylenethiazoles. Jan. 4, 1938.

Pat. 2,104,069. Process for Treatment of Solutions of Chlorinated Rubber. Jan. 4, 1938.

Pat. 2,104,695. Manufacture of Halogenated Derivatives of Methane. Jan. 4, 1938.

Pat. 2,104,760. Plastic Materials. Jan. 11, 1938.

Pat. 2,104,960. Process for the Manufacture of Dihydroxy Isodibenzanthrone. Jan. 11, 1938.

Pat. 2,105,674. Delay Action Detonator and Fuse and Delay Composition for Use Therein. Jan. 18, 1938.

Pat. 2,107,264. Process for the Production of Carbon Disulphide. Feb. 1, 1938.

Pat. 2,108,044. Plastic Materials and to Methods of Production Thereof. Feb. 15, 1938.

Pat. 2,108,489. Apparatus for Cleaning Metal Pipes. Feb. 15, 1938.

Pat. 2,109,295. Textile Fabric and Process of Making the Same. Feb. 22, 1938.

Pat. 2,109,299. Chemical Composition. Feb. 22, 1938.

Pat. 2,109,369. Dyestuff of the Indigoid Type. Feb. 22, 1938.

Pat. 2,109,599. Plastic Compositions Containing Gelatinised Nitrocellulose. Mar. 1, 1938.

Pat. 2,109,952. Method of Preparing Aminosulphonic Acid. Mar. 1, 1938.

Pat. 2,110,081. Textile Printing. Mar. 1, 1938.

Pat. 2,110,785. Production of Solid Chlorinated Rubber Products. Mar. 8, 1938.

Pat. 2,110,973. Compounds of the Triarylmethane Series and Process of Preparing Them. Mar. 15, 1938.

Pat. 2,111,183. Dyes of the Polymethine Series and Preparation of the Same. Mar. 15, 1938.

Pat. 2,111,692. Stabilized Diazo Compounds. Mar. 22, 1938.

Pat. 2,112,919. Azo Dyestuffs and Their Production. Apr. 5, 1938.

Pat. 2,112,920. Azo Dyestuffs and Their Production. Apr. 5, 1938.

Pat. 2,113,054. Anthraquinone Derivatives. Apr. 5, 1938.

Pat. 2,113,198. Wet Purification of Gases. Apr. 5, 1938.

Pat. 2,115,136. Dyeing. Apr. 26, 1938.

Pat. 2,115,149. Manufacture and Application of Azo Dyes. Apr. 26, 1938.

Pat. 2,115,758. Sulphonated Alkoxy Substituted Arylides of the Higher Fatty Acids. May 3, 1938.

Pat. 2,115,780. Treatment of Metallic Sulphides to Recover Sulphur and Metallic Oxides Therefrom. May 3, 1938.

Pat. 2,116,131. Diazo Salt Preparations. May 3, 1938.

Pat. 2,116,553. Dyeing Process. May 10, 1938.

Pat. 2,116,602. Coloring Matters of the Phthalocyanine Type. May 10, 1938.

Pat. 2,117,321. Manufacture of New Polymerisation Products. May 17, 1938.

Pat. 2,117,334. Monoazo Dyestuffs and Their Production. May 17, 1938.

Pat. 2,117,476. Anthraquinone Dyestuffs and Their Manufacture. May 17, 1938.

Pat. 2,117,699. Dyeing of Leather. May 17, 1938.

Pat. 2,118,088. Monoazo Dyestuffs and Their Production. May 24, 1938.

Pat. 2,118,089. Sulphated Polyethenoxy-Alkyl-Arylamines. May 24, 1938.

Pat. 2,118,493. Manufacture of Aniline Derivatives. May 24, 1938.

Pat. 2,118,494. Mononitroalkylanilines, Mononitroalkylacylanilines and Derivatives Thereof and Their Manufacture. May 24, 1938.

Pat. 2,118,495. Alkylanilinemonosulphonic Acids and Their Manufacture. May 24, 1938.

Pat. 2,118,807. Dyeing Apparatus. May 31, 1938.

Pat. 2,120,222. Non-Inflammable Plastic Mass. June 7, 1938.

Pat. 2,120,814. Azo Dyestuffs. June 14, 1938.

Pat. 2,121,695. Polymerization Process. June 21, 1938.

Pat. 2,121,823. Manufacture of Sulphonium Compounds. June 28, 1938.

Pat. 2,123,439. Method of Degreasing. July 12, 1938.

Pat. 2,123,562. Treating Textile Materials and Articles Made Therefrom. July 12, 1938.

Pat. 2,124,288. Fire-Resistant Composition. July 19, 1938.

Pat. 2,124,419. Process of Producing Phthalocyanine Compounds. July 19, 1938.

Pat. 2,124,742. Process for Producing Copper Phthalocyanine. July 26, 1938.

Pat. 2,125,462. Detonator, for Example, Blasting Detonator. Aug. 2, 1938.

Pat. 2,125,527. Coating of Absorbent Materials. Aug. 2, 1938.

Pat. 2,125,901. Finishing Textile Materials. Aug. 9, 1938.

Pat. 2,126,048. Intermediates for Azo Dyes. Aug. 9, 1938.

Pat. 2,127,437. Degreasing Metal Strip. Aug. 16, 1938.

Pat. 2,127,603. Gasless Igniter. Aug. 23, 1938.

Pat. 2,128,027. Recovery of Sulphur Dioxide from Gas Mixtures. Aug. 23, 1938.

Pat. 2,128,101. Manufacture and Application of Carbazole Derivatives. Aug. 23, 1938.

Pat. 2,128,107. Process for the Conversion of Metal Sulphides. Aug. 23, 1938.

Pat. 2,128,108. Manufacture of Sulphuric Acid. Aug. 23, 1938.

Pat. 2,128,325. Copper Containing Monoazo Dyestuffs and Process for Preparing Them. Aug. 30, 1938.

Pat. 2,128,576. Blasting Explosive Cartridge or Borehole Charge. Aug. 30, 1938.

Pat. 2,129,013. Copper Monochlorophthalocyanine and a Process of Making It. Sept. 6, 1938.

Pat. 2,129,014. Dyestuffs of the Anthracene Series. Sept. 6, 1938.

Pat. 2,129,367. Gelatinous or Semi-Gelatinous Blasting Explosives. Sept. 6, 1938.

Pat. 2,129,388. Blasting Explosive Device. Sept. 6, 1938.

Pat. 2,129,677. Manufacture of New Azine Dyestuffs. Sept. 13, 1938.

Pat. 2,129,678. Azine Dyestuffs. Sept. 13, 1938.

Pat. 2,129,690. n-Propylmethacrylate. Sept. 13, 1938.

Pat. 2,129,917. Manufacture of Bromonaphthoic Acid. Sept. 13, 1938.

Pat. 2,129,934. Manufacture of a New Anthraquinone Vat Dyestuff. Sept. 13, 1938.

Pat. 2,130,460. Treating Cellulosic Fiber. Sept. 20, 1938.

Pat. 2,130,878. Leucoindigo. Sept. 20, 1938.

Pat. 2,130,952. Manufacture of Derivatives of Paraffin Wax. Sept. 20, 1938.

Pat. 2,131,210. Accelerator for the Vulcanisation of Rubber. Sept. 27, 1938.

Pat. 2,131,362. Methylene Halide Derivatives of Carboxylic Acid Amides and Carbamic Esters, Respectively, and Process of Making the Same. Sept. 27, 1938.

Pat. 2,131,894. Azo Dyestuffs and Their Production. Oct. 4, 1938.

Pat. 2,132,456. Dyeing Cellulose Esters and Ethers. Oct. 11, 1938.

Pat. 2,132,458. Purification and Granulation of Pentaerythritol Tetranitrate. Oct. 11, 1938.

Pat. 2,132,468. Printing Inks. Oct. 11, 1938.

Pat. 2,132,619. Process of Coloring Oxide Films on Aluminum and Its Alloys. Oct. 11, 1938.

Pat. 2,132,620. Process for the Coloration of Artificially Produced Oxide Films on Aluminum and Its Alloys. Oct. 11, 1938.

Pat. 2,132,822. Manufacture of Gelatin. Oct. 11, 1938.

Pat. 2,133,246. Automatic Control of Variable Physical Characteristics. Oct. 11, 1938.

Pat. 2,134,521. Azo Dyestuffs and Their Production. Oct. 25, 1938.

Pat. 2,136,020. Emulsions and Process of Making Same. Nov. 8, 1938.

Pat. 2,136,217. Condensation Process. Nov. 8, 1938.

Pat. 2,136,270. Manufacture of Plastic Masses. Nov. 8, 1938.

Pat. 2,136,298. Manufacture of Sulphuric Acid by the Contact Process. Nov. 8, 1938.

Pat. 2,137,350. Manufacture of Cartridge Cases. Nov. 22, 1938.

Pat. 2,137,686. New Rubber Article and Material and the Manufacture Thereof. Nov. 22, 1938.

Pat. 2,138,602. Dyeing of Hardened Casein. Nov. 29, 1938.

Pat. 2,139,866. Production of Aqueous Dispersions of Cellulose Derivatives. Dec. 13, 1938.

Pat. 2,140,469. Production of Methacryl-Containing Compounds. Dec. 18, 1938.

Pat. 2,140,495. Bis(2,3-Hydroxy-Naphthoyl-M-Aminophenyl) Urea. Dec. 20, 1938.

Pat. 2,140,897. Manufacture of Explosives. Dec. 20, 1938.

Pat. 2,142,406. Apparatus for the Wet Purification of Gases. Jan. 3, 1939.

Pat. 2,143,924. Manufacture of Anhydrides of Unsaturated Aliphatic Monobasic Acids. Jan. 17, 1939.

Pat. 2,143,941. Process for Inhibiting Polymerisation. Jan. 17, 1939.

Pat. 2,143,956. Soluble Azo Dyestuffs. Jan. 17, 1939.

Pat. 2,144,647. Treatment of Leather. Jan. 24, 1939.

Pat. 2,145,954. Anthraquinone Derivatives. Feb. 7, 1939.

Pat. 2,146,392. Quaternary Ammonium Salts. Feb. 7, 1939.

Pat. 2,146,406. Manufacture of New Quaternary Ammonium Salts. Feb. 7, 1939.

Pat. 2,146,760. Annealing Process. Feb. 14, 1939.

Pat. 2,147,811. Quaternary Ammonium Salts. Feb. 21, 1939.

Pat. 2,149,926. Chlorinated Rubber Products. Mar. 7, 1939.

Pat. 2,150,380. Azo Dyestuffs. Mar. 14, 1939.

Pat. 2,150,389. Coloring of Leather. Mar. 14, 1939.

Pat. 2,150,741. Manufacture of Phthalocyanine Coloring Matter Soluble in Organic Media. Mar. 14, 1939.

Pat. 2,152,218. Coloring Rubber. Mar. 28, 1939.

Pat. 2,153,012. New Anthraquinone Dyestuffs. Apr. 4, 1939.

Pat. 2,153,620. Coloring Matters of Phthalocyanine Type. Apr. 11, 1939.

Pat. 2,153,627. New Monoazo Dyestuffs. Apr. 11, 1939.

Pat. 2,154,221. Charge for Gas Pressure Operated Blasting Devices. Apr. 11, 1939.

Pat. 2,154,416. Non-Detonating Blasting Explosive. Apr. 11, 1939.

Pat. 2,155,009. Manufacture of Polymerized Drying Oils. Apr. 18, 1939.

Pat. 2,155,038. Compounds of the Phthalocyanine Series. Apr. 18, 1939.

Pat. 2,155,054. Coloring Matters. Apr. 18, 1939.

Pat. 2,155,493. Monoazo Dyestuffs. Apr. 25, 1939.

Pat. 2,155,704. Stabilization of Per Compounds. Apr. 25, 1939.

Pat. 2,158,283. Dyestuffs. May 16, 1939.

Pat. 2,159,229. Manufacture of Fuse Heads for Electrical Firing. May 23, 1939.

Pat. 2,159,234. Gas-Producing Non-Detonating Composition. May 23, 1939.

Pat. 2,160,708. Electrical Apparatus. May 30, 1939.

Pat. 2,161,038. Manufacture of Rubber-Like Polymerisation Products. June 6, 1939.

Pat. 2,161,039. Manufacture of Polymerisation Products. June 6, 1939.

Pat. 2,161,627. Azo Dyestuffs. June 6, 1939.

Pat. 2,161,746. Apparatus for Decomposing Ammonia. June 6, 1939.

Pat. 2,162,507. Manufacture of Azo Dyestuffs. June 13, 1939.

Pat. 2,163,807. Basic Reaction Products. June 27, 1939.

Pat. 2,164,229. Symmetrical Aromatic Urea Suitable for Medicinal Purposes. June 27, 1939.

Pat. 2,164,248. Production of Laminated Fabrics. June 27, 1939.

Pat. 2,165,257. Coloring Acetate Artificial Silk. July 11, 1939.

Pat. 2,165,263. Cartridge for the Generation of Gas Pressures. July 11, 1939.

Pat. 2,165,356. Dry-Cleaning Fluid. July 11, 1939.

Pat. 2,165,784. Treatment of Acid Gases. July 11, 1939.

Pat. 2,166,198. Chemical Compounds. July 18, 1939.

Pat. 2,192,705. Colored Rubberized Fabrics. Mar. 5, 1940.

Pat. 2,193,337. Catalytic Oxidation of Carboniferous Materials. Mar. 12, 1940.

Pat. 2,194,351. Safety Device for Distillation Appa-

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 18, 1949

Pat. 2,165,356. Dry-Cleaning Fluid. July 11, 1939.

Pat. 2,165,784. Treatment of Acid Gases. July 11, 1939.

Pat. 2,166,198. Chemical Compounds. July 18, 1939.

Pat. 2,166,213. Coloring Matters of the Phthalocyanine Type. July 18, 1939.

Pat. 2,166,240. Heterocyclic Compounds. July 18, 1939.

Pat. 2,166,353. Anthraquinone Dyestuffs. July 18, 1939.

Pat. 2,167,514. Coloring Rubber. July 25, 1939.

Pat. 2,170,043. Coating Process. Aug. 22, 1939.

Pat. 2,170,947. Manufacture of Rubber Articles. Aug. 29, 1939.

Pat. 2,173,877. Recovery of Sulphur Dioxide From Gas Mixtures. Sept. 26, 1939.

Pat. 2,174,172. Blasting Cartridge or Borehole Charge. Sept. 26, 1939.

Pat. 2,174,568. 4,5-Dichloro-Phthalonitrile and Process of Making It. Oct. 3, 1939.

Pat. 2,174,591. Manufacture of Metal-Containing Azo Dyestuffs. Oct. 3, 1939.

Pat. 2,175,985. Automatic Control of Variable Physical Characteristics. Oct. 10, 1939.

Pat. 2,177,371. Disazo Dyes. Oct. 24, 1939.

Pat. 2,178,062. Manufacture of Ammonium Sulphate. Oct. 31, 1939.

Pat. 2,180,129. Manufacture of Electric Fuseheads Such as Are Used, for Example, in Blasting Detonators. Nov. 14, 1939.

Pat. 2,181,054. Modified Alkyd Resin. Nov. 21, 1939.

Pat. 2,181,719. Preservation of Rubber. Nov. 28, 1939.

Pat. 2,183,235. Automatic Control of Variable Physical Characteristics. Dec. 12, 1939.

Pat. 2,183,357. Manufacture of Derivatives of Unsaturated Acids. Dec. 12, 1939.

Pat. 2,183,752. Dyeing of Furs. Dec. 19, 1939.

Pat. 2,184,494. Manufacture of Gelatin. Dec. 26, 1939.

Pat. 2,184,512. Preservation of Rubber. Dec. 26, 1939.

Pat. 2,184,515. Manufacture of New Azo Dyestuffs. Dec. 26, 1939.

Pat. 2,185,632. Bleaching Surfaces Without Immersion. Jan. 2, 1940.

Pat. 2,188,273. Polymerization of Drying Oils. Jan. 23, 1940.

Pat. 2,188,322. Nitrocellulose Compositions of Reduced Inflammability. Jan. 30, 1940.

Pat. 2,189,481. Films, Filaments and Other Shaped Articles Made by Hardening Proteins Coagulated From Their Solutions. Feb. 6, 1940.

Pat. 2,189,557. Method of and Apparatus for the Production of Coiled Hanks of Wire. Feb. 6, 1940.

Pat. 2,190,460. Blasting Charge. Feb. 13, 1940.

Pat. 2,191,133. Apparatus for Heat Treating. Feb. 20, 1940.

Pat. 2,191,520. Process for Polymerising Lower Alkyl Esters of Acrylic Acid. Feb. 27, 1940.

Pat. 2,191,748. Chlorinated Rubber Product. Feb. 27, 1940.

Pat. 2,192,297. Manufacture of Textile Materials. Mar. 5, 1940.

Pat. 2,192,705. Colored Rubberized Fabrics. Mar. 5, 1940.

Pat. 2,193,337. Catalytic Oxidation of Carboniferous Materials. Mar. 12, 1940.

Pat. 2,194,351. Safety Device for Distillation Apparatus and the Like. Mar. 19, 1940.

Pat. 2,194,354. Process for Preparing Polymeric Vinyl Esters in Granular Form. Mar. 19, 1940.

Pat. 2,195,289. 2- and 2:7-Di-Alkylarylcarbamylfluorenes and Fluorene-2- and 2:7-Dicarboxylic Acids and a Process of Making Them. Mar. 26, 1940.

Pat. 2,195,965. Gas Producing Cartridge. Apr. 2, 1940.

Pat. 2,195,984. Halogenated Phthalocyanines. Apr. 2, 1940.

Pat. 2,196,719. Preservation of Rubber. Apr. 9, 1940.

Pat. 2,196,885. Readily Soluble Basic Coloring Matter. Apr. 9, 1940.

Pat. 2,197,458. Process for Producing Coloring Matters of the Phthalocyanine Series. Apr. 16, 1940.

Pat. 2,197,459. Phthalocyanine Coloring Matter. Apr. 16, 1940.

Pat. 2,199,176. Anthraquinone Dyestuffs. Apr. 30, 1940.

Pat. 2,199,557. Manufacture of Pigmented Coating Compositions. May 7, 1940.

Pat. 2,199,585. Production of Oxygenated Organic Compounds. May 7, 1940.

Pat. 2,199,597. Manufacture of Laminated Sheets. May 7, 1940.

Pat. 2,200,414. Manufacture of New Azo Dyestuffs. May 14, 1940.

Pat. 2,201,165. Manufacture of Gelatin. May 21, 1940.

Pat. 2,201,367. Coloring Acetate Artificial Silk. May 21, 1940.

Pat. 2,201,729. Degreasing Metal and Like Non-Absorbent Articles. May 21, 1940.

Pat. 2,201,760. Manufacture of Alkali Metal Cyanide. May 21, 1940.

Pat. 2,201,814. Process of Dyeing. May 21, 1940.

Pat. 2,202,124. Cellulose Derivative Composition. May 28, 1940.

Pat. 2,202,633. Coloring Matters of the Phthalocyanine Type. May 28, 1940.

Pat. 2,202,864. Quaternary Ammonium Salts. June 4, 1940.

Pat. 2,202,865. Dialkylaminobenzoates and Process of Making Them. June 4, 1940.

Pat. 2,203,257. Dry Dyestuff Preparation. June 4, 1940.

Pat. 2,203,492. Dyed Cellulosic Material. June 4, 1940.

Pat. 2,203,493. Treatment of Cellulosic Material. June 4, 1940.

Pat. 2,203,504. Manufacture of New Urea Derivatives. June 4, 1940.

Pat. 2,203,505. Quaternary Ammonium Compound. June 4, 1940.

Pat. 2,203,506. Nitrogen-Containing Organic Compound. June 4, 1940.

Pat. 2,204,749. Anthraquinone Dyestuffs. June 18, 1940.

Pat. 2,206,351. Preparation of Aliphatic Acid Nitriles. July 2, 1940.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 18, 1949

[VOL. 618. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 489,644. BOL, LTD., New York, N. Y. Filed Oct. 9, 1945.

INJEX

FOR BOTTLES AND CANS MADE OF PLASTIC AND METAL AND SOLD EMPTY IN TRADE.

Claims use since Aug. 1, 1945.

Ser. No. 500,082. HERVEY ASSOCIATES, New York, N. Y. Filed Apr. 12, 1946.

The expression "Hervey Associates" is disclaimed apart from the mark as shown.

FOR CLOSET ACCESSORIES—NAMELY, STORAGE CASES, STORAGE BAGS, AND STORAGE BOXES MADE OF TEXTILES, PLASTICS, CARDBOARD, LEATHER, AND COMBINATIONS OF SAID MATERIALS AND SERVING FOR STORING HATS, SHOES, HANDKERCHIEFS, HOSIERY, GARMENTS, BLOUSES, AND LINGERIE.

Claims use since Mar. 18, 1946.

Ser. No. 524,638. UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed June 21, 1947. Under 10-year proviso.

COLUMBIAN

FOR MERCHANDISE ENVELOPES EQUIPPED WITH METAL FASTENERS.

Claims use since the year 1893.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOCKS

Ser. No. 510,107. THE PENNSYLVANIA MANUFACTURING CO., Brooklyn, N. Y. Filed Oct. 2, 1946.

PEMCO

FOR POCKET BOOK AND HAND BAG FRAMES.

Claims use since May 15, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 509,990. GERALD J. LE BLANC, doing business as Le Blanc Laboratories & Distributing Co., Grand Rapids, Mich. Filed Sept. 30, 1946.

PERMA

SUDS

Applicant disclaims the word "Suds" except in connection with the mark.

FOR SOAP.

Claims use since Oct. 12, 1945.

Ser. No. 514,413. FRENCH VENEER MANUFACTURING CO. INC., Los Angeles, Calif. Filed Dec. 17, 1946.

Ser. No. 521,716. FREDERIK WILLEM ROLF VAN DEN BAUMEN, doing business as "Roter", Hilversum, The Netherlands. Filed May 2, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,978. SUN OIL COMPANY, Philadelphia, Pa. Filed July 8, 1947.

SUNSOL

Ser. No. 514,413. FRENCH VENEER MANUFACTURING CO. INC., Los Angeles, Calif. Filed Dec. 17, 1946.

FCVM

FOR SILVER AND METAL POLISHES.
Claims use since April 1913.

Ser. No. 518,553. THE MYSTIC FOAM CORPORATION, Cleveland, Ohio. Filed Mar. 5, 1947.

MYSTIC DRI-QUIK

The term "Dri-Quik" is disclaimed apart from the mark as shown.
FOR DRY CLEANER.
Claims use since Nov. 22, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,062. IVAN SERIC, doing business as Carah-Carah Cosmetic Co., Los Angeles, Calif. Filed July 22, 1946.

CARAH-CARAH

FOR PREPARATION FOR FACE BEAUTIFIER FOR THE TREATMENT OF THE SKIN AND RUBBING COMPOUNDS FOR USE IN MASSAGE.
Claims use since May 8, 1946.

Ser. No. 519,844. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Mar. 29, 1947.

APPRATEX

FOR ANIONIC SURFACE ACTIVE ORGANIC SUBSTANTIVE SOFTENER FOR USE IN THE FINISHING OF TEXTILES.
Claims use since Feb. 12, 1947.

Ser. No. 520,677. THE BAKER CASTOR OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Apr. 15, 1947.

PARICIN

FOR SUBSTANTIALLY SATURATED FATTY ACID ESTERS, FOR USE IN PLASTICIZING, EXTENDING, AND DILUTING PAINTS, VARNISHES, RESINS, PLASTICS, AND RUBBER, AND AS STARTING MATERIALS FOR THE PREPARATION OF SULFONATED OILS AND THE LIKE.
Claims use since Mar. 11, 1947.

Ser. No. 521,716. FREDERIK WILLEM ROLF VAN DEN BAUMEN, doing business as "Roter", Hilversum, The Netherlands. Filed May 2, 1947.

ROTER

FOR TABLETS FOR ULCER IN THE STOMACH.
Claims use since June 1, 1939.

Ser. No. 525,017. OREFRACTION INCORPORATED, Pittsburgh, Pa. Filed June 27, 1947.

FOR MINERAL CHEMICALS, PARTICULARLY ZIRCON, RUTILE, ILMENITE, GARNET, MONAZITE, TOURMALINE, AND CHROMITE.
Claims use since May 14, 1940.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 522,007. TRI-SULEX CORPORATION, Nashville, Tenn. Filed May 7, 1947.

TRI•SULEX

FOR HEAT AND SOUND INSULATING AND PROTECTIVE MATERIALS FOR METALS, APPLIED IN LIQUID OR PASTE FORM AND HAVING AN ASPHALT BASE.
Claims use since Dec. 27, 1946.

Ser. No. 524,839. UNITED DISTRIBUTORS, INC., Boston, Mass. Filed June 25, 1947.

United PLASTIC-TILE

No registration rights are claimed for the words "Plastic-Tile" apart from the mark.
FOR PLASTIC WALL TILE AND FLOOR TILE.
Claims use since May 29, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 516,099. ROBERT W. THOMPSON, Berkley, Calif. Filed Jan. 21, 1947.

E-Z

FOR KEY GUIDES FOR CONTROL VALVES FOR SPRINKLER SYSTEMS.
Claims use since July 1, 1946.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 491,311. BUDDS AERO CASTINGS, INCORPORATED, Canaan, Conn. Filed Nov. 9, 1945.

BACCO

FOR METAL CASTINGS.
Claims use since Sept. 20, 1945.

Ser. No. 517,940. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa. Filed Feb. 21, 1947.

K42B

FOR HIGH TEMPERATURE ALLOYS AS PRECIPITATION HEAT RESISTANT STEEL.
Claims use since Dec. 6, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 514,507. SUN OIL COMPANY, Philadelphia, Pa. Filed Dec. 18, 1946.

SUNICUT

FOR NON-SOLUBLE CUTTING OIL.
Claims use since December 1935.

Ser. No. 525,978. SUN OIL COMPANY, Philadelphia, Pa. Filed July 3, 1947.

SUNSOL

FOR UPPER CYLINDER LUBRICATING OIL.
Claims use since June 20, 1947.

Ser. No. 525,979. SUN OIL COMPANY, Philadelphia, Pa. Filed July 3, 1947.

SUNTUNE

FOR UPPER CYLINDER LUBRICATING OIL.
Claims use since June 20, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 524,660. EDWARD E. MENDONCA, doing business as Eddy Manufacturing Co., Hayward, Calif. Filed June 23, 1947.

EDY

FOR CHRISTMAS TREE LIGHTING OUTFITS COMPRISED OF A SERIES OF SOCKET BEARING WIRES FOR HOLDING ELECTRIC BULBS THEREIN FOR THE PURPOSE OF ILLUMINATING CHRISTMAS TREES.
Claims use since Mar. 4, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 460,460. U. S. AUTOMATIC CORPORATION, Amherst, Ohio. Filed May 6, 1943.

AUTOMATIC

No claim is made to the word "Automatic" apart from the mark shown.
FOR SCREW MACHINE PRODUCTS—NAMELY, THE FOLLOWING GOODS FOR GAS AND DIESEL EN-

GINES: LEVER BALLS, BEARINGS, CONNECTING ROD BOLTS, HYDRAULIC DUMP MANIFOLD BODIES, OIL PUMP STRAINER BODIES, BUSHINGS, CLUTCH RELEASE SLEEVE BUTTONS, SHIFTER CHECK CAPS, COVER RINGS, TIRE INFLATING DEVICE DIAPHRAGM RINGS, DRIVE SHAFT RODS, MECHANICAL SHAFTING, CLUTCH FORK BALL SUPPORT SCREWS, GREASE SCREWS, OIL PAN DRAIN SCREWS, SPIDER

Ser. No. 524,555. MODELS & PATENTS CORPORATION, New York, N. Y. Filed June 20, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

GINES: LEVER BALLS, BEARINGS, CONNECTING ROD BOLTS, HYDRAULIC DUMP MANIFOLD BODIES, OIL PUMP STRAINER BODIES, BUSHINGS, CLUTCH RELEASE SLEEVE BUTTONS, SHIFTER CHECK CAPS, CONNECTION CLEVISES, VALVE SPRING COLLARS, CRANKSHAFT CLUTCHES, WHEEL AND CLUTCH COUPLING STUD COLLETS, GOVERNOR CONTROL SPRING RETAINING CUPS, TRANSMISSION OIL PUMP DRIVE GEARS, CLUTCH SPRING ROD GUIDES, GAS VALVE DISC GUIDES, PUMP VALVE DISC HOLDERS, TRANSMISSION INTERLOCKS, STARTING CRANK JAWS, PUSHER POST LEVERS, DOG OPERATING LEVER LOCKS, SHIFT YOKE SHAFT LOCKS, ENGINE SIDE SHIELD LATCH PINS, PISTON PINS, PUSHER SHAFT PINS, REVERSE GEAR SHIFT LOCK PINS, WRIST PINS, BREATHER PIPES, FUEL PUMP DRIVE PLUGS, VACUUM PUMP DRIVE PLUGS, OIL PRESSURE REGULATOR PLUNGERS, OIL RELIEF PLUNGERS, VALVE SPRING RETAINERS, VALVE SEAT RETAINERS, PUSH RODS, TAPPET RODS, CAM ROLLERS, AND CAM SHAFT THRUST SCREWS; ALSO, THE FOLLOWING GOODS FOR COAL MINING MACHINERY: ROLLER BEARING COVER PLATES, CATERPILLAR TAKE-UP SCREWS, STARTING CRANK PAWL SCREWS, THROTTLE STOP SCREWS, BRAKE PEDAL SHAFTS, CLUTCH SHAFTS, IDLER PULLEY SHAFTS, FAN IDLER PULLEY BRACKET SHAFTS, FORCE FEED LUBRICATOR CAM SHAFTS, SAW SHAFTS, WATER PUMP SHAFTS, GOVERNOR CONTROL SPRING RETAINER SLEEVES, NECK RING ROLLER SLEEVES, CLUTCH PEDAL STUDS, CLUTCH SHAFT COUPLING STUDS, CLUTCH SHIFTER ARM SUPPORT STUDS, DRAW BAR SIDE RAIL TRANSMISSION CASE STUDS, MAIN DRIVE CHAIN TIGHTENER SPROCKET STUDS, ROCKER SHAFT STUDS, REAR WHEEL DRIVE SHAFT STUDS, TRANSMISSION STUDS, TURNBUCKLE STUDS, WEB DRIVE CHAIN IDLER SPROCKET STUDS, AND OIL SEAL RETAINER WASHERS; ALSO, THE FOLLOWING GOODS: ADAPTERS FOR MECHANICAL JOINTS, AXLES IN THE NATURE OF MECHANICAL SHAFTS FOR MACHINERY, AUTOMOTIVE BRAKE CONTROL CABLE END BALLS, BALLS FOR SPECIAL MECHANICAL USES, BALL, ROLLER, AND JOURNAL BEARINGS, BALLS AND BALL RACES (FOR BALL BEARINGS), BEARING SPACER BLOCKS FOR PUMP MACHINERY, BUSHINGS (FOR MECHANICAL JOINTS), VALVE SPRING CAPS, COLLARS (FOR MECHANICAL SHAFTS), BICYCLE ADJUSTING CONES, BICYCLE CRANK HANGER CONES, COUPLINGS (FOR MECHANICAL SHAFTS), BIB SEAT CUTTERS (FOR METAL-WORKING MACHINERY), END PIECES OR SPACERS FOR POSITIVE STOPS IN LOCATING MECHANICAL ASSEMBLIES, THREADED FERRULES (FOR USE WITH MECHANICAL SHAFTS), CYLINDER BLOCK INLET PIPE FITTINGS, ADJUSTMENT FLANGES AS PARTS OF MECHANICAL SHAFTS, GOVERNOR CAM FOLLOWERS, GEARS AND GEAR BLANKS, IDLER COMPRESSION GEARS, ROCKER-ARM SHAFT GOVERNORS, SAW GUIDES, GUIDES (FOR SPRING RODS AND VALVE STEMS OF INTERNAL COMBUSTION ENGINES), BALL HANDLES FOR ACTUATING ARMS OF MACHINES, HANGERS (FOR MECHANICAL ASSEMBLIES), HUBS FOR PRESSED STEEL PULLEYS, MOUNTING PAD INSERTS (FOR RUBBER MOLDING MACHINES), MAGAZINE MAIN SHAFT JOURNALS, CRANK KEYS, LOCKING KEYS (FOR MECHANICAL SHAFTS AND GEARS), ADJUSTING KNOBS (FOR TENSION SPRINGS FOR MACHINERY), LATCHES (FOR POSITIONING PARTS OF MECHANICAL APPARATUS), LEVERS, MANIFOLDS (FOR PUMPS AND GAS ENGINES), CYLINDER BLOCK WATER JACKET COVER STUD NUTS, CRANKSHAFT GEAR RETAINING NUTS, DIFFERENTIAL NUTS, FLYWHEEL BOLT NUTS, FUEL PUMP BODY AND BRACKET NUTS, IDLER BEARING NUTS, MAIN SHAFT BEARING LOCK NUTS, PAWLS, CAM ROLLER PINS, CLUTCH DRIVING PINS, PULLEYS, OIL PAN COVER RINGS, TIRE INFLATING DEVICE DIAPHRAGM RINGS, DRIVE SHAFT RODS, MECHANICAL SHAFTING, CLUTCH FORK BALL SUPPORT SCREWS, GREASE SCREWS, OIL PAN DRAIN SCREWS, SPIDER SET SCREWS, WEARING PLATE SCREWS, SPRING CLUTCH SEATS, (VALVE) GUIDE SOCKETS, SOCKETS (FOR SAW GUIDES), AXLE SLEEVE SPACERS, ENGINE SLIDE SHIELD LOCK PLATE SPACERS, FRESH WATER PUMP BOLT GUARD SPACERS, PUSH ROD SPACERS, SPACERS FOR USE IN FIRST SPEED GEAR NEEDLE BEARINGS, SPINDLES (FOR MACHINERY), AXLE SPINDLES, BUSHING SPINDLES, WHEEL SPINDLES, BREATHER VALVE STOPS, MOVEMENT STOPS FOR TOOLS SUCH AS LATHES AND MILLERS, BREATHER VALVE STUDS, CAM SHAFT THRUST STUDS, CARRIER HINGE STUDS, CYLINDER HEAD STUDS, FRONT WHEEL ADJUSTING SCREW BRACKET STUDS, PACKER CRANK CONNECTION STUDS, PAWL STUDS, GOVERNOR WEIGHT SUPPORTS, GEAR HOUSING TUBES AS CONDUITS FOR FLEXIBLE CABLES, CRANKSHAFT TIMING GEAR HOUSING TUBES, STRAIGHT CONNECTION ENGINE VENTILATING TUBES, HYDRAULIC CYLINDER VALVES, MECHANICAL VALVES, ROCKER ARM BRACKET STUD WASHERS, AND ROLLER WEBS AS PARTS OF PULLEYS FOR OVERHEAD CRANES.

Claims use on or about June 24, 1942.

Ser. No. 517,475. GILBERT & BARKER MANUFACTURING COMPANY, West Springfield, Mass. Filed Feb. 14, 1947.

Gilbarco

FOR REGULATED FLOW TYPE FLUID DISPENSING PUMPS NOT INCLUDING SELF-MEASURING PUMPS.

Claims use since May 10, 1934.

Ser. No. 518,704. SUGAR SHELL CORPORATION, New York, N. Y. Filed Mar. 7, 1947.

SUGARSHELL

FOR AUTOMATIC ICE CREAM CONE MACHINES AND PARTS THEREOF.

Claims use since January 1941.

Ser. No. 523,333. STEPHENS-ADAMSON MFG. CO., Aurora, Ill. Filed May 31, 1947.

JFS

FOR VARIABLE GEAR AND BELT REDUCERS FOR USE BETWEEN PRIME MOVERS AND LOADS.

Claims use since June 4, 1927.

Ser. No. 524,555. MODELS & PATENTS CORPORATION, New York, N. Y. Filed June 20, 1947.

FIRE WATCHMAN

The word "Fire" is disclaimed apart from the mark.

FOR PORTABLE, MECHANICALLY OPERATED FIRE ALARMS FOR HOUSEHOLD OR DOMESTIC USE OF THE TYPE WHICH INDICATES THE LOCATION OF A FIRE BY MAKING A NOISE AT THE LOCATION OF THE FIRE.

Claims use since Sept. 23, 1946.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 525,696. SPAULDING CHINA COMPANY, INC., New York, N. Y. Filed July 2, 1947.

Royal COPLEY

The surname "Copley" is disclaimed apart from the mark.

FOR CHINAWARE—NAMELY, JUGS, PLANTERS IN THE NATURE OF FLOWER CONTAINERS, FLOWER POTS, AND VASES.

Claims use since January 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 502,685. HUGH J. GAULEY, San Francisco, Calif. Filed May 23, 1946.

GAME BAR

FOR WHEELED CABINET FOR RETAINING THEREIN CARD TABLES AND EMBODYING SHELVES ON WHICH GAME ACCESSORIES, ETC. ARE STORED.

Claims use since Nov. 1, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 520,288. LOS ANGELES GAS APPLIANCE COMPANY, INC., Los Angeles, Calif. Filed Apr. 7, 1947.

Thermolux

FOR GAS-FUELED WATER HEATERS.

Claims use since October 1928.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 486,812. DONALD S. REINHARDT, New York, N. Y. Filed Aug. 6, 1945.

PIVOT SYSTEM

FOR MOUTH-PIECES AND REEDS FOR MUSICAL INSTRUMENTS.

Claims use since July 30, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 522,863. RICHARD HUDNUT, New York, N. Y. Filed May 22, 1947.

Hair-O-Scope

Registration rights in the word "Hair," apart from the mark as shown are disclaimed.

FOR CHARTS FOR INDIVIDUAL ANALYSIS FOR BEAUTY AND GROOMING.

Claims use since Oct. 8, 1946.

Ser. No. 523,852. NORCROSS, INC., New York, N. Y. Filed June 9, 1947.

SQUEAK

FOR GREETING CARDS AND PRINTED GREETING FOLDERS.

Claims use since June 2, 1947.

CLASS 39

CLOTHING

Ser. No. 492,474. STILLMAN & KAGAN INC., New York, N. Y. Filed Nov. 30, 1945.

Ser. No. 513,175. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed Nov. 25, 1946.

COLEFYRE

Ser. No. 525,816. FIFTH CARPET COMPANY, New York, N. Y. Filed July 3, 1947.

WOOLTURE

CHIAN AND MASTOID; NASAL INSTRUMENTS—NAMELY, KNIVES, POLYPUS FORCEPS, PROBES, PUNCHES (ANTRUM), (SEPTUM) AND (SPHENOID), RASPATORIES, RASPS, RETRACTORS (SUBMUCOUS), RONGEURS, SAWS, SCISSORS, SNARES, SPECULAE, SPLINTS, SUCTION NOZZLES, SUTURING INSTRUMENTS, SYRINGES, TUBES (ANAESTHETIC), APPLI-

CLASS 39

CLOTHING

Ser. No. 492,474. STILLMAN & KAGAN INC., New York, N. Y. Filed Nov. 30, 1945.

Gracette

FOR MISSES' AND WOMEN'S LINGERIE—NAMELY, NIGHT GOWNS OF WOVEN RAYON FABRICS.
Claims use since February 1934.

Ser. No. 494,675. JNO. W. HENSON & SONS, Greenville, Tex. Filed Jan. 12, 1946.

"CHEK"

FOR MEN'S HANDKERCHIEFS MADE OF PLAIN WHITE MATERIAL.
Claims use since Oct. 1, 1945.

Ser. No. 506,102. FALCHICK DRESS CO., INC., New York, N. Y. Filed July 23, 1946.

Bernetti

FOR LADIES' DRESSES.
Claims use since December 1933.

Ser. No. 510,976. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Oct. 16, 1946.

Synchro-SIZED

The word "Sized" is disclaimed apart from the mark.
FOR LADIES' CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, BLOOMERS, STEP-INS (UNDERDRAWERS), NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, AND BOYS' WASH SUITS OF A TEXTILE FABRIC.
Claims use since Sept. 19, 1945.

Ser. No. 513,175. GANTNER & MATTERN COMPANY, San Francisco, Calif. Filed Nov. 25, 1946.

COLEFYRE

FOR MEN'S, WOMEN'S, AND CHILDREN'S SWIMSUITS, COATS, JACKETS, SPORT SHIRTS, SHORTS, AND SWEATERS; WOMEN'S PLAYSUITS AND BRASSIÈRES; WOMEN'S AND CHILDREN'S SLACKS, UNDERWEAR, APPAREL BELTS, AND MEN'S SWIMMING TRUNKS.
Claims use since Nov. 1, 1946.

Ser. No. 524,364. WOLSEY LIMITED, Leicester, England. Filed June 17, 1947.

BLACK KNIGHT

FOR STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE AND WORK SHIRTS, VESTS, PANTS, KNICKERS, APPAREL BELTS, COMBINATIONS OF UNDERWEAR, PYJAMAS, PULLOVER SWEATERS OR BLOUSES, SWEATERS, WAIST-COATS, JERSEYS, GLOVES, MITTENS, SCARVES, CAPES, SHAWLS, BATHING COSTUMES AND BEACH COSTUMES, CARDIGANS, JACKETS, NECKTIES, ANKLETS, NIGHT-DRESSES, JUMPERS, SKIRTS, PETTICOATS, BODICES, SPENCERS, DRAWERS, CLOAKS, GAITERS, SUITS, DRESSES, GOWNS, APRONS, BERETS, BLOUSES, FOOT SOCKS, PILCHERS (BABY PANTS), COATS, CAPS, BONNETS, FROCKS, AND BREECHETTE SETS COMPRISING PANTS AND LEGGINGS, ALL FOR WOMEN, MEN, AND CHILDREN.
Claims use since Oct. 10, 1916.

Ser. No. 525,682. BEN ROSENSTEIN, New York, N. Y. Filed July 2, 1947.

Kenrose

FOR WOMEN'S WASH DRESSES.
Claims use since October 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 478,749. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio. Filed Jan. 18, 1945.

VELOPHANE

FOR TRANSPARENT OR TRANSLUCENT PLASTIC FILMS IN THE NATURE OF PIECE GOODS TO BE USED IN MAKING UP INTO HOUSEHOLD ARTICLES, WINDOW CURTAINS, TABLE COVERS, AND THE LIKE.
Claims use since Feb. 4, 1944.

Ser. No. 525,816. FIFTH CARPET COMPANY, New York, N. Y. Filed July 3, 1947.

WOOLTURF

FOR CARPETS AND RUGS, COMPOSED IN SUBSTANTIAL PART OF WOOL.
Claims use since Sept. 19, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 489,194. AKTIEBOLAGET SVENSKA DENTALINSTRUMENT, Stockholm, Sweden. Filed Oct. 1, 1945.

JOSPI

FOR DENTAL ALLOYS, DENTAL CEMENTS, DENTAL ROOT FILLINGS, DENTAL VARNISH, DENTAL INSTRUMENTS FOR DRILLING, FILLING, AND CLEANING TEETH, DENTAL ROOT CANAL INSTRUMENTS, DENTAL FORCEPS, DENTAL SYRINGES, DENTAL PLIERS, DENTAL WOUND RETRACTORS, DENTAL WOUND CURETTES, DENTAL ARTERIAL CLAMPS, DENTAL BURS, DENTAL NIPPERS, DENTAL NEEDLE CARRIERS, DENTAL SCISSORS, DENTAL KNIVES, DENTAL IMPRESSION TRAYS, DENTAL COMPOSITIONS FOR MAKING IMPRESSIONS; DENTAL DRILLS, GRINDING AND POLISHING IMPLEMENTS; DENTAL REGULATING APPLIANCES, DENTAL CHAIRS, DENTAL ENGINES; DENTAL SWITCHBOARDS USED FOR ELECTRICALLY HEATING DENTAL MOUTH WASHES, DENTAL HOT AIR SYRINGES AND DENTAL CAUTERY INSTRUMENTS AND FOR SUPPLYING ELECTRICITY TO DENTAL MOUTH LAMPS AND INSTRUMENTS; DENTAL SPITOONS, DENTAL BUR AND INSTRUMENTS STANDS, DENTAL MEDICINE BOTTLES, DENTAL MERCURY CONTAINERS, DENTAL WASTE RECEIVERS, DENTAL COTTON HOLDERS AND RECEIVERS, DENTAL GLASS WARE, DENTAL ALCOHOL LAMPS AND DENTAL LATHES.
Claims use since May 19, 1941.

Ser. No. 520,409. MISDOM-FRANK CORPORATION, New York, N. Y. Filed Apr. 9, 1947.

M-F

FOR SURGICAL AND DENTAL INSTRUMENTS AND SUPPLIES—NAMELY, INHALER FACE PIECES AND MASKS; PLASTER PARIS KNIVES; PLASTER CUTTERS, SAWS AND SCISSORS; GALL BLADDER FORCEPS; GALL STONE FORCEPS, PROBES AND SCOOPS; DUODENAL TUBES, AMPUTATING KNIVES AND SAWS; RIB SHEARS AND RONGEURS; BULLET EXTRACTING INSTRUMENTS, DERMIS INSTRUMENTS; FIXATION INSTRUMENTS—NAMELY, EYE FORCEPS AND HOOKS; ANTRUM, CRANIAL, EUSTACHIAN AND MASTOID; NASAL INSTRUMENTS—NAMELY, KNIVES, POLYPUS FORCEPS, PROBES, PUNCHES (ANTRUM), (SEPTUM) AND (SPHENOID), RASPATORIES, RASPS, RETRACTORS (SUBMUCOUS), RONGEURS, SAWS, SCISSORS, SNARES, SPECULAE, SPLINTS, SUCTION NOZZLES, SUTURING INSTRUMENTS, SYRINGES, TUBES (ANAESTHETIC), APPLICATORS, CHISELS, CLAMPS; CURETTES, CUTTING FORCEPS, DISSECTORS, DRESSING FORCEPS, ELEVATORS, FORCEPS, GOUGES, AND HEMOSTATIC FORCEPS; MOUTH GAGS, TONGUE DEPRESSORS, AND CHEEK RETRACTORS; ESOPHAGEAL INSTRUMENTS—NAMELY, BOUGIES, DILATORS, RETRACTORS, AND SUCTION TIPS; STAPHYLORRHAPY INSTRUMENTS—NAMELY, PERIOSTEOTOMES, RASPATORIES, FORCEPS, AND KNIVES; CIRCUMCISION SHIELDS, AND SCISSORS; LITHOTOMY INSTRUMENTS—NAMELY, RETRACTORS, FORCEPS, AND SPOONS; GYNECOLOGIC INSTRUMENTS—NAMELY, APPLICATORS, PACKERS, SPECULAE, RETRACTORS, DRESSING FORCEPS, SOUNDS, CURETTES, DILATORS, HYSTERESTOMY, UTERINE TENACULUM, VULSELLUM FORCEPS, POLYPUS FORCEPS, UTERINE ELEVATING FORCEPS, BIOPSY INSTRUMENTS, TENACULA, KNIVES, OVARIAN TROCARS AND SCISSORS; POST MORTEM INSTRUMENTS—NAMELY, KNIVES, SCISSORS, HOOKS, PROBES, SHEARS AND CUTTERS, BONE HOLDING FORCEPS, HAMMERS, CHISELS, SAWS, AND THUMB FORCEPS; AIRWAYS—NAMELY, NASAL AND MOUTH, INTESTINAL FORCEPS; SUTURE CLIPS FORCEPS; SUTURE FORCEPS, EYE INTRANASAL AND TONSIL; SUTURE HOOKS; SUTURE NEEDLES, ABDOMINAL, CLEFT PALATE, EYE FISTULA, GENERAL, GOITRE, HERNIA, INTESTINAL, INTRANASAL, POST MORTEM, STAPHYLORRHAPHY AND TONSILS; SUTURE SCISSORS AND SETS; BONE INSTRUMENTS—NAMELY, CHISELS, CURETTES, CUTTING FORCEPS, DRILLS, ELEVATORS, FILES, GOUGES, GOUGING FORCEPS, HOLDING CLAMPS AND FORCEPS, NAILS, PLATE HOLDING CLAMPS AND FORCEPS, RETRACTORS, RONGEURS, SAWS, SHEARS; EYE INSTRUMENTS—NAMELY, CURETTES, DILATORS, FORCEPS, KNIVES, GOUGES, LID CLAMPS (CHALAZION), NEEDLE HOLDERS, NEEDLES, PROBES, RETRACTORS, SCISSORS, SPATULAE, SPECULA, SPOONS, SPUDS, SUTURE FORCEPS AND NEEDLES, SYRINGES; EAR INSTRUMENTS—NAMELY, APPLICATORS, CURETTES, KNIVES, TIPS, SPECULA, BOUGIES, CATHETERS, DIAGNOSTIC INSTRUMENTS, FORCEPS, HOOKS, KNIVES, PERFORATORS, PROBES, SNARES, SPOONS, SPOUTS, SPUDS, SYRINGES; SINUS INSTRUMENTS—NAMELY, CANULAE, CURETTES, IRRIGATING TUBES, PROBES, AND RASPS; LARYNGEAL INSTRUMENTS—NAMELY, APPLICATORS, FORCEPS, MIRRORS, PUNCHES, SYRINGES; TRACHEOTOMY INSTRUMENTS—NAMELY, CANULAE, DILATORS, SCISSORS, HOOKS, FORCEPS, PROBES, AND DIRECTORS; DENTAL INSTRUMENTS, AMALGAM AND PLASTIC INSTRUMENTS, BURNISHERS, CARVERS, CHISELS, CURETTES, ELEVATORS, EXCAVATORS, EXPLORERS, BONE FILES, GAUZE PACKERS, SCALERS, SPATULAS; BLADDER INSTRUMENTS—NAMELY, EVACUATORS, FORCEPS, RETRACTORS, SCISSORS, SCOOPS, SNARES, AND TROCARS; OBSTETRIC INSTRUMENTS—NAMELY, DILATORS, FORCEPS, HOOKS, SCISSORS, RETRACTORS, AND PROBES; BIOPSY INSTRUMENTS—NAMELY, CURETTES, FORCEPS; AUTOPSY KNIVES AND SCISSORS; BRAIN INSTRUMENTS—NAMELY, SUTURING INSTRUMENTS, OPERATING INSTRUMENTS, CLIPS (READY FORMED), MASTOID INSTRUMENTS—NAMELY, CHISELS, CURETTES, GOUGES, MALLETS, RETRACTORS, AND RONGEURS; TONSIL INSTRUMENTS—NAMELY, FORCEPS, KNIVES, NEEDLES, SCISSORS, SEIZING FORCEPS, SNARES, CURETTES, DISSECTORS, ENUCLEATORS, FORCEPS FOR SUTURE CLIPS, HEMOSTATS, INJECTION CANULAE, LIGATURE FORCEPS, NEEDLE HOLDERS, INJECTION

NEEDLES, SUTURE NEEDLES, PUNCHES, RETRACTORS, SEPARATORS, SPONGE FORCEPS, SUCTION CUPS, SUTURING INSTRUMENTS, SYRINGES, TENACULA, WIRES FOR SNARES, TONSILLECTOMES AND TONSILLOTOMES; URETHAL INSTRUMENTS—

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 504,011. TWIN PEAKS FOOD PRODUCTS COMPANY,

Ser. No. 524,242. JOHN A. FORMAN, doing business as Philadelphia Soda Fountain Supply, Philadelphia, Pa. Filed June 16, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 511,186. ETABLISSEMENTS VITRY-VAUCLUSE, SOCIETE RESPONSABILITE LIMITEE, Seine, France. Filed

NEEDLES, SUTURE NEEDLES, PUNCHES, RETRACTORS, SEPARATORS, SPONGE FORCEPS, SUCTION CUPS, SUTURING INSTRUMENTS, SYRINGES, TENACULA, WIRES FOR SNARES, TONSILLECTOMES AND TONSILLOTOMES; URETHAL INSTRUMENTS—NAMELY, BOUGHIES, CATHETER STYLETS, CATHETERS (MALE AND FEMALE), CLAMPS, COOLERS, DILATING SOUNDS, DILATORS, DIRECTORS, FILIFORM GUIDES, FORCEPS, GUIDES (GROOVED), IRRIGATORS, SCISSORS, SHIELDS, SOUNDS, SPECULA, SYRINGES; PROSTATECTOMY INSTRUMENTS, PROSTATIC CATHETERS, COOLERS; CAESAREAN INSTRUMENTS—NAMELY, FORCEPS AND DILATORS; DISSECTING INSTRUMENTS POST MORTEM—NAMELY, KNIVES, SCISSORS, FORCEPS, FORCEPS (VEIN), NEEDLES, PROBES TENACULA; DISSECTORS—NAMELY, LACHRYMAL SAC, LID, PERIOSTEAL, SUBMUCOUS AND TONSIL DISSECTORS; DIAGNOSTIC INSTRUMENTS—NAMELY, BLOOD, EAR, EYE, GENERAL, AND STOMACH INSTRUMENTS, STETHOSCOPES, PERCUSSION HAMMERS, BLOOD LANCETS, HEAD MIRRORS, HEAD BANDS; NEURO-SURGICAL INSTRUMENTS—NAMELY, NEEDLES, SOUNDS, HEMOSTATS, SCISSORS, SAWS, SPOONS, KNIVES, FORCEPS, RETRACTORS, CLIPS, CLIP FORCEPS; MANICURE INSTRUMENTS—NAMELY, NAIL AND CUTICLE NIPPERS, SCISSORS, AND FILES; TOURNIQUETS, FORCEPS, DIRECTORS; TUBES—NAMELY, TRACHEA TUBES, SUCTION TUBES, STOMACH TUBES, INFUSION TUBES, RECTAL TUBES; PUNCHES—NAMELY, EAR PUNCHES, NOSE PUNCHES, TONSIL PUNCHES, BIOPSY PUNCHES, AND RECTAL PUNCHES; SUTURE NEEDLES, LIGATURE CARRIERS; SYRINGES—NAMELY, ANTRUM SYRINGES, EAR SYRINGES, LACHRYMAL SYRINGES, LARYNGEAL SYRINGES, TRANSFUSION SYRINGES, WOUND AND BLADDER SYRINGES, HYPODERMIC SYRINGES, DENTAL SYRINGES; SCISSORS, TROCARS, SPECULA, RETRACTORS, ANEURISM NEEDLES, SAWS, MALLETS, RONGEURS, SPATULAE, CATHETERS, SNARES, TONGUE SEIZING FORCEPS, HYPODERMIC NEEDLES, KNIVES, SHEARS, SCOOPS, PROBES, CLAMPS, AND DILATORS.

Claims use since 1939.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 522,422. A-1 BEVERAGE CORP., Philadelphia, Pa. Filed May 15, 1947.

The term "Mixer . . . Fixer" is disclaimed apart from the mark shown.

FOR MALTLESS SOFT DRINK.

Claims use since Jan. 2, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 504,011. TWIN PEAKS FOOD PRODUCTS COMPANY, Fort Worth, Tex. Filed June 15, 1946.

The drawing is lined for shading only. The woman is fanciful. The phrase "Lunch in a Minute" is disclaimed.

FOR BREAD SANDWICHES MADE OF MEAT, CHEESE, AND SANDWICH SPREADS.

Claims use since May 1, 1946.

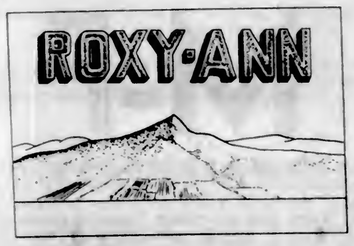
Ser. No. 515,651. BEN-GEE PRODUCTS, INC., Chicago, Ill. Filed Jan. 13, 1947.

BEN-GEE

FOR FOODS AND INGREDIENTS OF FOODS—NAMELY, CANNED CHOP SUEY, CHOW MEIN, CANNED CHOW MEIN NOODLES, CANNED BEAN SPROUTS, BEAD MOLASSES, AND SOY SAUCES FOR FOOD FLAVORING PURPOSES.

Claims use since on or about July 30, 1940.

Ser. No. 520,932. RALPH L. COOK, Medford, Oreg. Filed Apr. 18, 1947.



No claim is made to the representation of a label apart from the mark as shown.

FOR FRESH PEARS.

Claims use since Aug. 1, 1944.

Ser. No. 524,242. JOHN A. FORMAN, doing business as Philadelphia Soda Fountain Supply, Philadelphia, Pa. Filed June 16, 1947.

P.S.F.S.

FOR TOPPINGS FOR SUNDAES—NAMELY, BUTTERSCOTCH FUDGE, CARAMEL FUDGE, CRUSHED AND WHOLE CHERRIES, COLD AND HOT CHOCOLATE FUDGE, MIXED FRUITS, MARSHMALLOW, PECAN, CRUSHED PINEAPPLE, STRAWBERRIES, AND WALNUT; AND FOOD FLAVORING SYRUPS—NAMELY, IMITATION CHERRY, CHOCOLATE, MILK CHOCOLATE, COFFEE, GRAPE, LEMON, LEMON AND LIME, LIME, LIME RICKEY, PINEAPPLE, ORANGE, IMITATION RASPBERRY, ROOT BEER, STRAWBERRY, AND VANILLA.

Claims use since on or about Apr. 18, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 511,186. ETABLISSEMENTS VITRY-VAUCLUSE, SOCIETE RESPONSABILITE LIMITEE, Seine, France. Filed Oct. 19, 1946.

FAUSTAGNAN

FOR COGNACS AND ARMAGNACS.

Claims use since Sept. 19, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 513,334. THE PRETTY-SCHEFFER COMPANY, Coshocton, Ohio. Filed Nov. 27, 1946.

Pro-tect-o

FOR STOVE, SINK, FLOOR, AND BATH MATS MADE WHOLLY OR IN PART OF RUBBER AND RUBBER COMPOSITION.

Claims use since Dec. 13, 1945.

ACT OF 1946

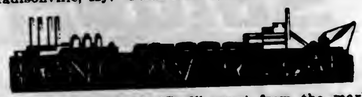
The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 540,341. TERTELING BROTHERS, INCORPORATED, Madisonville, Ky. Filed Nov. 6, 1947.



The use of the word "Coal" apart from the mark is disclaimed.

FOR COAL.

Claims use since Aug. 3, 1943.

CLASS 2

RECEPTACLES

Ser. No. 528,012. CHICAGO CARTON COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

CHICAGO CARTON COMPANY

No claim is made to the words "Carton Company."

FOR BOXES MADE OF PAPERBOARD.

Claims use since 1908.

Ser. No. 545,279. POLORON PRODUCTS, INC., New Rochelle, N. Y. Filed Dec. 23, 1947.

THERMASTER

FOR INSULATED PICNIC BOXES.

Claims use since Aug. 15, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 511,499. SHELDON E. POTTER, doing business as Visalia Stock Saddle Co., San Francisco, Calif. Filed Oct. 2, 1947; originally filed, act of 1905, Oct. 25, 1946. Under section 2f of the act of 1946.

The words "Visalia, Cal." and "Maker" are disclaimed apart from the mark.

FOR SADDLES AND PARTS THEREOF.

Claims use since 1870.

Ser. No. 541,372. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa. Filed Nov. 24, 1947.

Ser. No. 528,042. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

Kensington

Ser. No. 539,620. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Filed Oct. 31, 1947.

Ser. No. 554,458. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 12, 1948.

Ser. No. 541,372. STATIONERS' GUILD OF AMERICA, Philadelphia, Pa. Filed Nov. 24, 1947.

Guild

The drawing is lined for shading.
FOR ZIPPER BRIEF CASES, BRIEF CASES.
Claims use since Apr. 1, 1944.

Ser. No. 552,007. T. J. REGNIER, INCORPORATED, doing business as Weeks Incorporated, Springfield, Mass. Filed Mar. 15, 1948. Under section 2f of the act of 1946.

No claim is made to the representation of the luggage appearing on the drawing apart from the mark as shown.
FOR TRUNKS, HANDBAGS, SUITCASES, OVERNIGHT BAGS, MUSETTE BAGS, VALISES, AND BRIEF CASES ALL MADE OF LEATHER.
Claims use since 1930.

Ser. No. 555,795. A. BANNER, INC., New York, N. Y. Filed Apr. 29, 1948.

FLIP-FLAP

The word "Flap" is disclaimed apart from the mark.
FOR LADIES' HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since May 1, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 521,621. R. J. S. CARTER, Minneapolis, Minn. Filed July 9, 1947; originally filed, act of 1905, Apr. 30, 1947.

SCREWBALLS

FOR BALLS OF SYNTHETIC RUBBER OR OTHER RESILIENT MATERIAL FOR USE ON FLOUR SIFTING SCREENS AS SCREEN CLEANING DEVICES.
Claims use since Jan. 22, 1940.

Ser. No. 528,042. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

Kensington

Applicant claims ownership of registration No. 372,701.
FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since April 1935.

Ser. No. 529,459. DANIEL O. GRIFFITH, doing business as Gold Bond Products Company, Terre Haute, Ind. Filed July 25, 1947.

Gold-Bond

FOR AUTOMOBILE CLEANER.
Claims use since June 1, 1935.

Ser. No. 531,238. PAR SOAP COMPANY, Oakland, Calif. Filed Aug. 13, 1947.

PARADE

FOR DETERGENT CLEANING POWDER FOR HOME AND LAUNDRY USE.
Claims use since Dec. 19, 1946.

Ser. No. 532,391. THE CLEVELAND DENTAL MANUFACTURING COMPANY, Cleveland, Ohio. Filed Aug. 7, 1947.

Solubri

FOR LIQUID IN WHICH DENTAL INSTRUMENTS ARE BATHED FOR CLEANSING THE SAME.
Claims use since Apr. 24, 1924.

Ser. No. 533,688. THE GEO. L. WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 6, 1947.

NO-DERM

FOR SOAP.
Claims use since Aug. 14, 1947.

Ser. No. 538,384. ECONOMICS LABORATORY, INC., St. Paul, Minn. Filed Oct. 20, 1947.

ELECTRA-SOL

FOR DISHWASHING COMPOUND FOR USE IN ELECTRIC DISHWASHERS.
Claims use since Sept. 10, 1947.

Ser. No. 539,620. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Filed Oct. 31, 1947.

Applicant disclaims exclusive use of the words "Blackest & Quickest in the World" and "Trade Mark" apart from the mark.
FOR STOVE POLISH.
Claims use since 1911.

Ser. No. 539,621. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Co., Chicago, Ill. Filed Oct. 31, 1947.

BLACK JACK

FOR STOVE POLISH.
Claims use since 1911.

Ser. No. 539,622. ARMSTRONG PAINT & VARNISH WORKS, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Filed Oct. 31, 1947.

HAND WITCH

Applicant disclaims exclusive right to the use of the word "Hand" per se.
FOR SOAP.
Claims use since 1925.

Ser. No. 554,458. WEST DISINFECTING COMPANY, Long Island City, N. Y. Filed Apr. 12, 1948.

FOR LIQUID SOAP, SURGICAL SOAP, SOAP, LIQUID CASTILE SOAP, POWDERED SOAP.
Claims use since 1913.

Ser. No. 554,893. GENERAL ABRASIVE COMPANY, INC., Niagara Falls, N. Y. Filed Apr. 17, 1948. Under section 2f of the act of 1946.

BUFRITE

Applicant claims ownership of registration No. 422,386.
FOR CALCINED ALUMINA MATERIAL SOLD IN GRANULAR FORM IN BULK FOR BUFFING AND OTHER USES.
Claims use since May 7, 1935.

Ser. No. 555,524. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.

GLOREX

FOR DETERGENT, WHICH IS USED FOR WASHING DISHES, SMALL ITEMS OF CLOTHING, AND OTHER GENERAL HOUSEHOLD PURPOSES.
Claims use since 1943.

CLASS 5

ADHESIVES

Ser. No. 538,948. NASHUA GUMMED AND COATED PAPER COMPANY, Nashua, N. H. Filed Oct. 24, 1947. Under section 2f of the act of 1946.

SURE-HOLD

Applicant claims ownership of registrations Nos. 215,063, 293,440, and 295,238.
FOR ADHESIVELY COATED CLOTH, ADHESIVELY COATED CLOTH AND PAPER LAMINATED, ADHESIVELY COATED PAPER WITH UNWOVEN FIBER REINFORCEMENT, AND ADHESIVELY COATED PAPER TAPE.
Claims use since February 1931.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 506,353. TOM'S SCALPADE, INC., Cold Spring, N. Y. Filed Aug. 15, 1946; originally filed, act of 1905, Jan. 30, 1947.

SCALPADE

FOR A PREPARATION FOR THE SCALP.
Claims use since Jan. 30, 1947.

Ser. No. 516,614. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947.

DEXTRI-MALTOSE

FOR A DIETARY PREPARATION.
Claims use since Jan. 30, 1947.

Ser. No. 530,880. WARNER F. WILHELM, doing business as Blu Bru Company, Chicago, Ill. Filed Aug. 8, 1947.

VIOLITE

FOR A PREPARATION FOR THE HAIR.
Claims use since Aug. 1, 1947.

Ser. No. 541,505. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Nov. 18, 1947.

Vutinic

FOR A PREPARATION FOR THE TREATMENT OF THE SKIN.
Claims use since Nov. 1, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 508,353. TOM'S SCALPADE, INC., Cold Spring, N. Y. Filed Oct. 29, 1947; originally filed, act of 1905, Aug. 30, 1946. Under section 2f of the act of 1946.

SCALPADE

FOR SCALP CLEANSER AND HAIRDRESSING.
Claims use since Oct. 30, 1941.

Ser. No. 512,772. FLORALIFE, INCORPORATED, Chicago, Ill. Filed Apr. 10, 1948; originally filed, act of 1905, Nov. 18, 1946. Under section 2f of the act of 1946.

Florawax

FOR WAX EMULSION FOR COATING FLOWERS AND FOLIAGE.
Claims use since Oct. 14, 1946.

Ser. No. 516,613. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947.

DEXTRO MALTO

Applicant disclaims "Dextro" except in association with the rest of the mark.
FOR SPECIALLY PREPARED MILK MODIFIER AND DIETETIC PRODUCT.
Claims use since 1910.

Ser. No. 516,614. MEAD JOHNSON & COMPANY, Evansville, Ind. Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947.

DEXTRO MALTO de MEAD

Applicant disclaims "Dextro" except in association with the rest of the mark. Applicant claims ownership of registration No. 173,340.
FOR SPECIALLY PREPARED MILK MODIFIER AND DIETETIC PRODUCT.
Claims use since 1910.

Ser. No. 521,441. THE DOW CHEMICAL COMPANY, Midland, Mich., a corporation of Delaware, by merger from The Dow Chemical Company. Filed Apr. 26, 1948; originally filed, act of 1905, Apr. 28, 1947.

PROPOCEL

FOR CELLULOSE ETHERS AND SALTS THEREOF.
Claims use since Apr. 4, 1947.

Ser. No. 529,969. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed July 30, 1947.

DA-5

FOR MAGNESIA-SILICA GEL CATALYST USED IN THE CATALYTIC CRACKING OF HYDROCARBONS.
Claims use since July 8, 1947.

Ser. No. 529,970. THE DAVISON CHEMICAL CORPORATION, Baltimore, Md. Filed July 30, 1947.

M-S

FOR GEL CATALYST IN SPHEROIDAL FORM USED IN THE CATALYTIC CRACKING OF HYDROCARBONS.
Claims use since July 8, 1947.

Ser. No. 530,880. WARNER F. WILHELM, doing business as Blu Bru Company, Chicago, Ill. Filed Aug. 8, 1947.

VIOLITE

FOR PREPARATION FOR THE TREATMENT OF DIARRHEA.
Claims use since Apr. 17, 1947.

Ser. No. 536,836. RHODE ISLAND LABORATORIES, INC., West Warwick, R. I. Filed Oct. 4, 1947.

BLU BRU

Applicant claims ownership of registration No. 399,944.
FOR COSMETICS—NAMELY, FACE AND HAND LOTIONS, LIPSTICK, MASCARA OR EYE SHADOW, CREAM OR PASTE ROUGE, FOUNDATION OR PAN CAKE, NAIL POLISH, FACE POWDER, TALCUM POWDER AND COLD CREAM.
Claims use since Sept. 11, 1947.

Ser. No. 537,217. L. A. MOSHER COMPANY, Atlanta, Ga. Filed Oct. 8, 1947.

Lamco

FOR VETERINARY PREPARATIONS IN TABLET, LIQUID, AND POWDERED FORM FOR THE TREATMENT OF INTESTINAL INFECTIONS, FEVERISHNESS AND PHYSICAL WEAKNESS; PREPARATIONS FOR THE CONTROL OF FLEAS, TICKS, AND OTHER INSECTS; PURGATIVES AND SULFANILAMIDE TABLETS.
Claims use since September 1945.

Ser. No. 539,311. GOLD MEDAL HAARLEM OIL CORPORATION, Jersey City, N. J. Filed Oct. 28, 1947. Under section 2f of the act of 1946.

GOLD MEDAL HAARLEM OIL CAPSULES

The words "Haarlem Oil" and "Capsules" are disclaimed apart from the mark. Applicant claims ownership of registration No. 146,465.
FOR HAARLEM OIL FOR KIDNEY, LIVER, BLADDER, RHEUMATIC, AND URIC-ACID TROUBLES.
Claims use since Jan. 1, 1914.

Ser. No. 541,505. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Nov. 18, 1947.

Vytinic

FOR TONIC PREPARATION.
Claims use since Aug. 21, 1947.

Ser. No. 541,506. BRISTOL LABORATORIES INC., Syracuse, N. Y. Filed Nov. 18, 1947.

INTRAFOLIC

FOR FOLIC ACID PARENTERAL PRODUCT.
Claims use since Oct. 8, 1947.

Ser. No. 545,874. NATIONAL REMEDY COMPANY, INC., White Plains, N. Y. Filed Dec. 31, 1947.

EN-AR-CO

FOR MEDICINAL OIL, USED AS AN ANTISEPTIC, CARE OF SCALP, RELIEF OF COLDS, AND BRONCHIAL IRRITATION, AND INSECT BITES.
Claims use since Apr. 3, 1908.

Ser. No. 547,161. SOCIETE ANONYME, BIENAIME, Paris, France. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

LES CARNATIONS DE BIENAIMÉ

No claim is made to the words "Les Carnations" apart from the mark. Applicant claims ownership of French registration No. 345,425, dated May 20, 1943.
FOR PERFUMES, FACE CREAMS, ROUGE.

Ser. No. 547,454. HOWE-LEWIS, INC., Los Angeles, Calif. Filed Jan. 19, 1948. Under section 2f of the act of 1946.

fashion of hollywood

Applicant claims ownership of registration No. 309,704.
FOR FACIAL AND HAND CREAMS, SKIN LOTION,

ASTRINGENT LOTION, HAIR POMADE, HAIR CREAM, HAIR TONIC, BRILLIANTINE, BODY DEODORANT, WAVE SET, SHAMPOO, TOILET WATER, COLOGNE, LIQUID NAIL POLISH REMOVER, FACIAL PACK, AND CAKE MAKE-UP.
Claims use since Nov. 1, 1932.

Ser. No. 549,804. HENRY LABORATORIES, INC., Nashville, Tenn. Filed Feb. 16, 1948.

H.L.

Ser. No. 554,147. ARNOLD PALM, doing business as Palm Pharmacal Co., New York, N. Y. Filed Apr. 8, 1948.

Cholinoplex

Ser. No. 558,975. WESTVACO CHEMICAL CORPORATION, New York, N. Y., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed June 10, 1948.

FOOMEX

ASTRINGENT LOTION, HAIR POMADE, HAIR CREAM, HAIR TONIC, BRILLIANTINE, BODY DEODORANT, WAVE SET, SHAMPOO, TOILET WATER, COLOGNE, LIQUID NAIL POLISH REMOVER, FACIAL PACK, AND CAKE MAKE-UP.
Claims use since Nov. 1, 1932.

Ser. No. 548,418. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

Dr Scholl's

Applicant claims ownership of registrations Nos. 158,584, 275,209, 278,423, 327,406, and 341,542.
FOR ANTISEPTIC AND MEDICATED FOOT POWDERS AND LOTIONS, BALMS, AND SALVES FOR THE RELIEF OF CORNS, BUNIONS, CALLOUSES, INGROWING NAILS, CHILBLAINS, SWEATING, ITCHING, AND OTHER FOOT TROUBLES AND IRRITATIONS.
Claims use since May 1, 1916.

Ser. No. 549,138. JOHN T. BERDAN, doing business as Drought Products, La Mirada, Calif. Filed Feb. 9, 1948.

DROUGHT

Applicant claims ownership of registration No. 431,868.
FOR INSECTICIDAL CHEMICAL.
Claims use since July 1946.

Ser. No. 549,484. VAN PELT AND BROWN, INCORPORATED, Richmond, Va. Filed Feb. 11, 1948.

VIFOLIRON

FOR PREPARATION FOR THE TREATMENT OF VARIOUS TYPES OF ANEMIA IN TABLET FORM.
Claims use since Dec. 29, 1947.

Ser. No. 549,740. MICHAEL A. MAFFEY, doing business as The Mara Laboratories, East Newark, N. J. Filed Feb. 14, 1948.

Triasul

FOR MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF PNEUMOCACCIC, STREPTOCOCCIC, MENINGOCOCCIC, AND STAPHYLOCOCCIC INFECTIONS, SCARLET FEVER, RHEUMATIC FEVER, ERYSIPELAS, OTITIS MEDIA, TONSILLITIS, URINARY INFECTIONS DUE TO E. COLI, STAPHYLOCOCCUS ALBUS, PROTEUS, AND PSEUDOMONAS.
Claims use since Sept. 1, 1946.

Ser. No. 549,804. HENRY LABORATORIES, INC., Nashville, Tenn. Filed Feb. 16, 1948.

H.L. Feminine Hygiene Powder

No claim is made to the words "Feminine Hygiene Powder" apart from the mark.
FOR DOUCHE POWDER FOR FEMININE HYGIENE.
Claims use since Dec. 15, 1947.

Ser. No. 550,190. WARNER F. WILHELM, doing business as D-String Co., Chicago, Ill. Filed Feb. 19, 1948.

D- STRING

The word "String" is disclaimed apart from the entire combination.
FOR INSECT REPELLENTS.
Claims use since Dec. 6, 1947.

Ser. No. 550,294. BEAUTYMASTERS OF BEVERLY HILLS, INC., Milwaukee, Wis. Filed Feb. 21, 1948.

BHB

FOR LIPSTICKS, EYEBROW PENCILS, MASCARA, EYESHADOW, EYELID CREAM AND EYE LOTION, CREAM ROUGE, FACE POWDER, CREAM POWDER BASE, ALL-PURPOSE CREAM, NIGHT CREAM, FACE LOTION, HORMONE CREAM, FACE PACK, HAND-CREAM, CREAM SHAMPOO, BATH OIL, COLOGNE, CREAM DEODORANT, AND FOOT-SCALP-FACE-AND-HAND CREAM.
Claims use since March 1946.

Ser. No. 553,895. OPTIMUS PHARMACEUTICALS CO., INC., Taylors, S. C. Filed Apr. 5, 1948.

V-H

FOR VAGINAL HYGIENE POWDER.
Claims use since November 1947.

Ser. No. 554,063. MARVIN R. THOMPSON, INC., Stamford, Conn. Filed Dec. 5, 1947.

ELIXIR FERROUS GLYCINATE-MRT

The words "Elixir Ferrous Glycinate" are disclaimed.
FOR MEDICINAL PREPARATION USED IN THE TREATMENT OF NUTRITIONAL ANEMIA.
Claims use since October 1946.

Ser. No. 554,147. ARNOLD PALM, doing business as Palm Pharmacal Co., New York, N. Y. Filed Apr. 8, 1948.

Cholinoplex

FOR PHARMACEUTICAL PREPARATIONS FOR USE IN AILMENTS OF THE LIVER, IN PARTICULAR FATTY INFILTRATION OF THE LIVER, TOXIC LIVER EFFECTS, CYRRHOSIS OF THE LIVER, DIABETES MELLITUS.
Claims use since Jan. 12, 1948.

Ser. No. 554,460. ALLIED CHEMICAL & DYE CORPORATION, New York, N. Y. Filed Apr. 13, 1948.

STIMULIZER

FOR AQUEOUS SULFURIC ACID SOLUTIONS FOR APPLICATION TO TURPENTINE FACES (I. E. THE SLASHES IN THE BARK OF THE TRUNKS OF TURPENTINE PRODUCING TREES) TO INCREASE THE TURPENTINE FLOW FROM THE TREE.
Claims use since Feb. 4, 1948.

Ser. No. 554,690. THE NEW JERSEY ZINC COMPANY, New York, N. Y. Filed Apr. 15, 1948.

XX

FOR ZINC OXIDE, HAVING A GENERAL UTILITY IN THE INDUSTRIAL ARTS, PARTICULARLY IN COMPOUNDING RUBBER AND IN THE PRODUCTION OF ZINC YELLOW, ZINC SULFATE, AND ZINC CYANIDE SOLUTIONS.
Claims use since 1897.

Ser. No. 555,399. WALTER A. FANSLER, doing business as Fuller Pharmaceutical Company, Minneapolis, Minn. Filed Apr. 23, 1948.

BARBATIN

FOR ANALGESIC AND SEDATIVE IN TABLET FORM FOR HUMAN USE.
Claims use since Jan. 12, 1948.

Ser. No. 558,650. GREEN'S FUEL, INC., Sarasota, Fla. Filed June 7, 1948. Under section 2f of the act of 1946.

GREEN'S FUEL

Applicant disclaims the exclusive right to the use of the word "Fuel" apart from the mark as shown.
FOR LIQUIFIED PETROLEUM GASES.
Claims use since May 4, 1939.

Ser. No. 558,975. WESTVACO CHEMICAL CORPORATION, New York, N. Y., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed June 10, 1948.

FOSVEX

FOR INSECTICIDE.
Claims use since Nov. 21, 1947.

Ser. No. 558,985. AMERICAN GUM PRODUCTS COMPANY, New York, N. Y. Filed June 11, 1948.

COULAG

Applicant claims ownership of registration No. 92,500 (renewed).
FOR FILLING AGENT USEFUL IN THE MANUFACTURE OF LEATHER FROM HIDES AND SKINS CONSISTING OF A LIGNIN PITCH WHICH IS DERIVED FROM THE SULFITE PROCESS OF MAKING WOOD PULP.
Claims use since June 15, 1916.

Ser. No. 559,047. JOSEPH PECORA, doing business as Joseph's S-F-X Shampoo, Buffalo, N. Y. Filed June 11, 1948.

S-F-X Joseph's

FOR HAIR SHAMPOO.
Claims use since June 1936.

Ser. No. 559,737. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed June 19, 1948.

ULSATE

FOR PROTEINIC PREPARATION USEFUL IN THE TREATMENT AND PREVENTION OF METABOLIC DEFICIENCIES.
Claims use since June 15, 1948.

Ser. No. 559,968. THE WALTERISATION COMPANY LIMITED, Croydon, Surrey, England. Filed June 22, 1948.

CLASS 10
FERTILIZERS

Ser. No. 533,937. THE STADLER PRODUCTS COMPANY, Cleveland, Ohio, assignor to The Stadler Fertilizer Company, Cleveland, Ohio. Filed Sept. 9, 1947. Under

Ser. No. 547,175. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

GOLDSHEEN

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 500,657. HIGGINS INDUSTRIES, INC., New Orleans, La., assignor to Higgins Resources, Inc., New Orleans, La., a corporation of Louisiana. Filed May

Ser. No. 559,968. THE WALTERISATION COMPANY LIMITED, Croydon, Surrey, England. Filed June 22, 1948.

Applicant claims ownership of British registration No. 573,200, dated Nov. 25, 1936.
FOR CHEMICAL SOLUTIONS FOR THE PREVENTION OF CORROSION OF METAL AND ALLOYS AND FOR BONDING PAINT AND LACQUERS TO METAL SURFACES.

Ser. No. 560,028. ALEXANDER M. LECCAS, Jersey City, N. J. Filed June 23, 1948.

FOR LAXATIVES.
Claims use since 1926.

Ser. No. 560,103. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 24, 1948.

HAMIDRAW

FOR VISCOUS LIGHT BROWN, SELF-EMULSIFIABLE LUBRICATING PASTE USED FOR LUBRICATING THE DIE AND TO PREVENT METAL TO METAL CONTACT IN DRAWING STEEL AND ALLOYS.
Claims use since Sept. 16, 1937.

Ser. No. 564,061. CUTTER LABORATORIES, Berkeley, Calif. Filed June 11, 1948.

K-R-S

Applicant claims ownership of registration No. 434,382.
FOR VETERINARY ANTISEPTIC.
Claims use since May 1938.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 540,853. THE NAPIER COMPANY, Meriden, Conn. Filed Nov. 12, 1947. Under section 2f of the act of 1946.

NAPIER

Applicant claims ownership of registrations Nos. 144,870, 180,484, 218,316, 245,879, and 427,224.
FOR PYROPHORIC POCKET AND DESK-TYPE LIGHTERS.
Claims use since June 15, 1927.

CLASS 10

FERTILIZERS

Ser. No. 533,937. THE STADLER PRODUCTS COMPANY, Cleveland, Ohio, assignor to The Stadler Fertilizer Company, Cleveland, Ohio. Filed Sept. 9, 1947. Under section 2f of the act of 1946.

The exclusive right to the use of the word "Superior" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 238,916.
FOR FERTILIZER.
Claims use since Sept. 1, 1940.

Ser. No. 554,435. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Apr. 12, 1948.

ANCHOR BRAND

No claim is made to use of the word "Brand." Applicant claims ownership of registration No. 58,091.
FOR SUPER PHOSPHATE FERTILIZER.
Claims use since Dec. 31, 1903.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 547,169. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948.

AURORAL

FOR PIGMENT COLORS USED IN THE MANUFACTURE OF INK.
Claims use since December 1935.

Ser. No. 547,172. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

DEEPTONE

Applicant claims ownership of registration No. 38,689.
FOR PRINTING INK.
Claims use since August 1938.

Ser. No. 547,175. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

GOLDSHEEN

FOR PRINTING INK.
Claims use since Dec. 27, 1940.

Ser. No. 547,176. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948.

GOLVENEER

Applicant claims ownership of registration No. 347,812.
FOR PRINTING INK.
Claims use since July 18, 1941.

Ser. No. 547,184. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948.

SILVENEER

Applicant claims ownership of registration No. 347,812.
FOR PRINTING INK.
Claims use since July 18, 1941.

Ser. No. 547,185. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

SILVERSHEEN

FOR PRINTING INK.
Claims use since Nov. 29, 1937.

Ser. No. 547,188. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

ULTRAOPAQUE

FOR PRINTING INK.
Claims use since Jan. 6, 1938.

Ser. No. 553,967. MARKEM MACHINE COMPANY, Keene, N. H. Filed Apr. 6, 1948.

PLASTIROLL

FOR INK ROLLS FOR MARKING MACHINES.
Claims use since May 20, 1947.

Ser. No. 554,705. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Apr. 15, 1948.

REVEILLE RED

Applicant disclaims the word "Red" apart from the mark.
FOR PIGMENTS FOR USE IN COLORING INKS.
Claims use since Aug. 1, 1946.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 500,657. HIGGINS INDUSTRIES, INC., New Orleans, La., assignor to Higgins Resources, Inc., New Orleans, La., a corporation of Louisiana. Filed May 7, 1948; originally filed, act of 1905, Apr. 22, 1946.

"THERMO-CON"

FOR MIXTURE OF PORTLAND CEMENT AND OTHER MATERIALS USED IN MAKING CONSTRUCTION BLOCKS, AND FOR OTHER PURPOSES—NAMELY, INSULATING MATERIAL, AS PLASTER, AS A MORTAR, AND AS A MOISTURE REPELLANT.
Claims use since July 1943.

Ser. No. 531,323. THE FORMICA INSULATION COMPANY, Cincinnati, Ohio, now by change of name The Formica Company, a corporation of Ohio. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

Pregwood

FOR LAMINATED IMPREGNATED WOOD FOR USE AS PARTS FOR MACHINES, AIRPLANES, AND TOOLS.
Claims use since Dec. 15, 1938.

Ser. No. 537,635. THE TILE-TEX COMPANY, Chicago, Heights, Ill. Filed Oct. 11, 1947.

MURA-TEX

FOR PLASTIC WALL TILE MADE FROM RESINOUS BINDER, ASBESTOS FIBER, AND MINERAL COLORING PIGMENTS.
Claims use since July 22, 1947.

Ser. No. 542,343. PEASE WOODWORK COMPANY, Cincinnati, Ohio. Filed Nov. 25, 1947. Under section 2f of the act of 1946.

Richtone

Applicant claims ownership of registration No. 379,955.
FOR IMITATION TILE BOARD AND ASPHALT SLATE SURFACED ROOFING.
Claims use since Mar. 18, 1939.

Ser. No. 544,005. TEXAS HOUSING COMPANY, Dallas, Tex. Filed Dec. 10, 1947.

THE HOMESTEAD COTTAGE

The words "The" and "Cottage" are disclaimed apart from the mark.
FOR PREFABRICATED HOUSES.
Claims use since Apr. 1, 1947.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

GROUNDING CLAMPS WHICH CLAMP THE CABLE IN THE EYE OF A GUY ROD TO USE THE ASSEMBLY AS A GROUND, GROUND ROD CLAMPS AND CABLE WIRE CLIPS COMPRISING SPECIALLY SHAPED WIRES FOR HOOKING OVER A MESSENGER CABLE TO A SUPPORTING LEAD-COVERED CONDUCTOR.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,438. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905,

CLASS 19

VEHICLES

Ser. No. 560,917. JOSEPH POWER, doing business as Power Equipment Company, Kansas City, Mo. Filed July 8, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 509,788. NIXDORFF-KREIN MFG. CO., St. Louis, Mo. Filed July 10, 1947; originally filed, act of 1905, Sept. 26, 1946.

ELEPHANT BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR CHAINS FOR GENERAL USE, NOT INCLUDING POWER TRANSMISSION CHAINS, AND TIRE CHAINS FOR MOTOR VEHICLES.

Claims use since 1885.

Ser. No. 535,942. DARLING VALVE & MANUFACTURING COMPANY, Williamsport, Pa. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

QUIKFIX

FOR HYDRANTS.

Claims use since June 5, 1940.

Ser. No. 536,235. A. B. CHANCE COMPANY, Centralia, Mo. Filed Sept. 30, 1947.

The word "Industries" is disclaimed apart from the mark.

FOR EARTH ANCHORS—NAMELY, CURVED PLATE, EXPANDING TWO BLADE, EXPANDING FOUR BLADE AND SCREW TYPE; GUY RODS—NAMELY, SINGLE CABLE, TWO CABLE, THREE CABLE, THREADED TYPE WITH NUT AND POINTED HEAD TYPE; ANCHORS OF THE EXPANDING ROCK TYPE TO BE INSERTED IN A BORE IN A ROCK AND EXPANDED, ANCHORS OF THE CONE TYPE TO BE COVERED WITH ROCK WHICH IS SPREAD BY THE ANCHOR TO INCREASE RESISTANCE OF THE ANCHOR, ANCHORS OF THE EXPANDING POLE KEY TYPE FOR INCREASING THE LATERAL RESISTANCE OF THE BUTT END OF A LINE POLE IN THE GROUND; GUY FIXTURES—NAMELY, ANGLE EYES, EYE NUTS, STRAIGHT EYES FOR RECEIVING A BOLT, LOOP AND SADDLE FIXTURE, STRAIGHT-AWAY LOOP FIXTURE, MESSENGER DEAD-END FIXTURE, THREADED EYE BOLTS AND ANGLE EYE BOLTS; GUY CLAMPS, LOAD PLATES, BACK TRUSS HARDWARE CONSISTING OF RODS AND FIXTURES FOR FORMING A TEMPORARY CONDUCTOR SUPPORTING TRUSS, TERMINAL BRACKETS, GUY GROUNDING CLAMPS WHICH CLAMP THE CABLE IN THE EYE OF A GUY ROD TO USE THE ASSEMBLY AS A GROUND, GROUND ROD CLAMPS AND CABLE WIRE CLIPS COMPRISING SPECIALLY SHAPED WIRES FOR HOOKING OVER A MESSENGER CABLE TO A SUPPORTING LEAD-COVERED CONDUCTOR.

Claims use since Aug. 1, 1936.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 557,050. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed May 14, 1948. Under section 2f of the act of 1946.

LINCOLN

FOR WELDING WIRE AND METALLIC WELDING ELECTRODES.

Claims use since Jan. 1, 1915.

CLASS 15

OILS AND GREASES

Ser. No. 527,353. THE PURE OIL COMPANY, Chicago, Ill. Filed July 5, 1947.

Tiolene

Applicant claims ownership of registrations Nos. 84,440, 104,271, 243,164, 291,123, and 302,485.

FOR LUBRICATING OILS AND GREASES.

Claims use since January 1907.

Ser. No. 528,509. QUAKER PETROLEUM COMPANY,, also doing business as The Quaker Petroleum Co. Inc., Omaha, Nebr. Filed July 12, 1947. Under section 2f of the act of 1946.

Pennfield

Applicant claims ownership of registration No. 233,122.

FOR LUBRICATING OILS.

Claims use since June 15, 1925.

Ser. No. 538,199. TOPP OIL & CHEMICAL CO., Milwaukee, Wis. Filed Oct. 17, 1947. Under section 2f of the act of 1946.

Glo-Green

The word "Green" is disclaimed apart from the mark.

Applicant claims ownership of registration No. 270,252.

FOR LUBRICATING OILS AND GREASES.

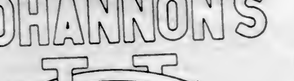
Claims use since Feb. 13, 1929.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 525,438. TAYLOR BROTHERS, INC., Winston-Salem, N. C. Filed Feb. 25, 1948; originally filed, act of 1905, July 1, 1947. Under section 2f of the act of 1946.

BOHANNON'S



HOME COMFORT

FOR PLUG, TWIST, AND SMOKING TOBACCO.

Claims use since Jan. 1, 1900.

Ser. No. 527,796. THE B. P. TOPPER CIGAR COMPANY, McSherrystown, Pa., assignor to Curtis R. Topper, Meriden, Conn. Filed July 5, 1947.

Applicant disclaims all wording which appears on the drawing except the words "Old Hermitage."

FOR CIGARS.

Claims use since June 1, 1896.

Ser. No. 544,418. WOLF BROTHERS & CO., Red Lion, Pa. Filed Dec. 15, 1947.

Rum River

No claim is made to the word "Rum" apart from the mark.

FOR CIGARS.

Claims use since June 15, 1939.

CLASS 19

VEHICLES

Ser. No. 560,917. JOSEPH POWER, doing business as Power Equipment Company, Kansas City, Mo. Filed July 8, 1948.

The CONTROLATOR

FOR COMBINATION PRESSURE BOOSTERS AND LOCKING VALVE FOR HYDRAULIC AUTOMOBILE BRAKE SYSTEMS.

Claims use since November 1941.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 499,185. AJAX ELECTRIC COMPANY, INC., Philadelphia, Pa. Filed Aug. 26, 1947; originally filed, act of 1905, Mar. 29, 1946. Under section 2f of the act of 1946.

AJAX-HULTGREN

FOR ELECTRIC FURNACES.

Claims use since Mar. 1, 1931.

Ser. No. 513,692. SPRAGUE ELECTRIC COMPANY, North Adams, Mass. Filed Nov. 14, 1947; originally filed, act of 1905, Dec. 4, 1946.

The expression "Kilo-Volt-Oil" is disclaimed apart from the mark shown on the drawing.

FOR ELECTRICAL CAPACITORS.

Claims use since Nov. 26, 1946.

Ser. No. 516,483. IDEAL INDUSTRIES, INC., Sycamore, Ill. Filed Jan. 6, 1948; originally filed, act of 1905, Jan. 28, 1947.

No claim is made to the word "Air" apart from the mark as shown.

FOR PORTABLE ELECTRIC INDUSTRIAL VACUUM CLEANERS AND BLOWERS.

Claims use since Jan. 2, 1947.

Ser. No. 526,734. DYER-GRAM MFG., CO., INC., Tampa, Fla. Filed July 5, 1947.

Ser. No. 532,863. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

Oster

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,767. ARMOUR AND COMPANY, Chicago, Ill. Filed July 5, 1947.

Ser. No. 541,037. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

BIRDIE

Ser. No. 526,734. DYER-GRAM MFG., CO., INC., Tampa, Fla. Filed July 5, 1947.

No claim is made to the words "Mfg.," "Co.," and "Tampa, Florida", apart from the mark as shown. The drawing is lined for blue, gold, and red.

FOR ELECTRICAL DISPLAY AND ADVERTISING SIGNS.

Claims use since October 1946.

Ser. No. 527,434. DYNAMATIC CORPORATION, Kenosha, Wis. Filed July 5, 1947.

VARIO-MOTOR

Applicant makes no claim to the word "Motor" apart from the mark. Applicant claims ownership of registration No. 365,866.

FOR ELECTRIC MOTORS.

Claims use since May 25, 1938.

Ser. No. 527,899. ROBBINS & MYERS, INC., Springfield, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

Robbins & Myers

FOR ELECTRIC FANS FOR CIRCULATING PURPOSES; ELECTRIC HOISTS, ELECTRIC WINCHES; ELECTRIC MOTORS, DYNAMOS, GENERATORS, AND COMBINATIONS THEREOF.

Claims use since Jan. 1, 1898.

Ser. No. 532,145. THE MAGNAVOX COMPANY, Fort Wayne, Ind. Filed Aug. 22, 1947.

Modern Symphony

No claim is made to the word "Modern" apart from the mark.

FOR RADIO RECEIVING SETS AND RADIO PHONOGRAPH COMBINATION SETS, INCLUDING CABINETS THEREFOR.

Claims use since Aug. 2, 1946.

Ser. No. 532,863. JOHN OSTER MANUFACTURING COMPANY, Racine, Wis. Filed Aug. 29, 1947. Under section 2f of the act of 1946.

Oster

Applicant claims ownership of registrations Nos. 207,269 and 368,541.

FOR PORTABLE ELECTRIC HAND OPERATED GRINDERS; ELECTRIC LATHER DISPENSING MACHINES; PORTABLE ELECTRIC HAND DRILLS; ELECTRIC MOTORS; ELECTRIC TOASTERS; ELECTRIC FOOD MIXERS; ELECTRIC DRINK MIXERS; ELECTRIC FOOD CHOPPERS; ELECTRIC FOOD LIQUIFIERS; ELECTRIC FOOD BLENDERS; ELECTRIC HAIR STYLING IRONS; ELECTRIC MARCEL IRON HEATERS; ELECTRIC FLAT IRONS; ELECTRIC FANS; ELECTRIC VACUUM CLEANERS; AND REPAIR AND REPLACEMENT PARTS FOR THE ABOVE GOODS.

Claims use since Nov. 1, 1924.

Ser. No. 535,063. MIDWEST RADIO CORPORATION, Cincinnati, Ohio. Filed Sept. 19, 1947.

MIDWEST

Applicant claims ownership of registration No. 322,011.

FOR RADIO RECEIVING SETS, COMBINATION RADIO RECEIVING SETS AND PHONOGRAPHS, RADIO CHASSIS, RADIO CABINETS, AND PORTABLE RADIO RECEIVING SETS.

Claims use since 1930.

Ser. No. 539,811. THE RAJAH COMPANY, Bloomfield, N. J. Filed July 8, 1947.

Rajah

Applicant claims ownership of registration No. 63,884.

FOR ELECTRICAL APPARATUS—NAMELY, TERMINALS, HOODS, AND RUBBER SAFETY NIPPLES FOR SPARK PLUGS.

Claims use since April 1904.

Ser. No. 545,620. DEENA PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 29, 1947.

Deena

FOR ELECTRIC LAMPS.

Claims use since Jan. 15, 1941.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 527,767. ARMOUR AND COMPANY, Chicago, Ill. Filed July 5, 1947.

DAVIS CUP

The word "Davis" is disclaimed apart from the mark.

FOR STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS.

Claims use since July 1, 1924.

Ser. No. 527,870. ARMOUR AND COMPANY, Chicago, Ill. Filed July 5, 1947.

GOLD STAR

FOR STRINGS FOR TENNIS, BADMINTON, AND SQUASH RACKETS.

Claims use since 1918.

Ser. No. 540,326. KENNETH SMITH, Kansas City, Mo. Filed Nov. 6, 1947. Under section 2f of the act of 1946.

Kenneth Smith
HANDMADE To Fit You

The words "Hand Made to Fit You" are disclaimed apart from their association with the remaining part of the mark as shown. Applicant claims ownership of registration No. 386,360.

FOR GOLF CLUBS.

Claims use since May 1933.

Ser. No. 541,035. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

05

FOR FOOTBALLS.

Claims use since 1938.

Ser. No. 541,036. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

The words "The Sign of Quality" are disclaimed. Applicant claims ownership of registration No. 247,545.

FOR BASEBALLS, BASEBALL MITTS, BASEBALL GLOVES, SOFTBALLS, SOFTBALL MITTS, SOFTBALL GLOVES, VOLLEY BALLS, BASKETBALLS, FOOTBALLS, HELMETS, SHOULDER PADS, BOXING GLOVES, SOCCER BALLS, BASEBALL BATS, AND SOFTBALL BATS.

Claims use since June 1, 1907.

Ser. No. 541,037. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

BIRDIE

Applicant claims ownership of registration No. 112,083.

FOR GOLF BALLS AND GOLF CLUBS.

Claims use since Mar. 22, 1916.

Ser. No. 541,038. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

VICTOR

Applicant claims ownership of registration No. 123,512.

FOR GOLF BALLS, GOLF CLUBS, TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, BASKETBALLS, VOLLEYBALLS, SOCCERBALLS, FOOTBALLS, TENNIS BALLS, TABLE TENNIS BATS AND TABLE TENNIS BALLS.

Claims use since Feb. 15, 1918.

Ser. No. 541,299. INDUSTRIAL LACQUER AND CHEMICAL CORPORATION, Newark, N. J. Filed Nov. 15, 1947.

"BLO-ME"

FOR PLASTIC MATERIALS ADAPTED TO BE BLOWN INTO HOLLOW BODIES AND USED FOR AMUSEMENT OR TOY PURPOSES.

Claims use since Aug. 30, 1947.

Ser. No. 541,596. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 18, 1947.

The drawing is lined for shading purposes only.

FOR TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, VOLLEY BALLS, SOCCER BALLS, FOOTBALLS, BASKETBALLS, TABLE TENNIS BATS, AND TABLE TENNIS BALLS.

Claims use since Sept. 1, 1947.

Ser. No. 541,796. ALADDIN SALES CO., New York, N. Y. Filed Nov. 20, 1947.

ALADDIN

FOR TOY PLASTIC BALLOONS, AND TOY BUBBLE-FORMING LIQUIDS AND PASTES.

Claims use since June 15, 1945.

Ser. No. 548,635. JOHN S. CAMPEN, Fort Lauderdale, Fla. Filed Feb. 3, 1948.

SHOOT

ownership of registrations Nos. 233,969, 240,932, 253,114, 253,115, 253,116, 407,390, 408,900, and 409,212.

FOR QUICK-RELEASE PORTABLE WIRE SLACK PULLERS FOR TENSIONING ELECTRIC WIRE AND CABLE, PORTABLE ADJUSTABLE REEL MACHINES FOR PAYING OUT AND TAKING UP WIRE, LAMP

Ser. No. 536,039. CHARLES BOND COMPANY, Philadelphia, Pa. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

Grundy

FOR THE PHOTOGRAPHING OF PROJECTED RÖNTGEN-IMAGES; PHOTOGRAPHIC AND CINEMATOGRAPHIC APPARATUS—NAMELY, CAMERAS, CINE-CAMERAS, FILTERS, SCREENS, LENSES AND DEVELOPING FRAMES.

Ser. No. 548,635. JOHN S. CAMPEN, Fort Lauderdale, Fla. Filed Feb. 3, 1948.

SHOOT
7 or 11

FOR BOARD GAME.
Claims use since Dec. 1, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 502,679. AMERICAN MACHINERY CORPORATION, Orlando, Fla. Filed Aug. 8, 1947; originally filed, act of 1905, May 24, 1946.

SPIRAL TEMP

The word "Temp" is disclaimed apart from the mark.
FOR INDUSTRIAL PLANT PASTEURIZERS OF THE HEAT-EXCHANGE TYPE, FOR THE TREATING OF LIQUID.
Claims use since Nov. 24, 1945.

Ser. No. 517,168. RUDD-MELIKIAN, INC., Philadelphia, Pa. Filed Aug. 4, 1948; originally filed, act of 1905, Feb. 7, 1947.

Kwik Kafe

The term "Kwik" is disclaimed apart from the mark.
FOR BEVERAGE VENDING MACHINES.
Claims use since Nov. 18, 1946.

Ser. No. 527,180. W. N. MATTHEWS CORPORATION, St. Louis, Mo. Filed July 5, 1947.

W N MATTHEWS

Applicant makes no claim to the representation of its name-plate and the word "Corporation." Applicant claims ownership of registrations Nos. 233,969, 240,932, 253,114, 253,115, 253,116, 407,390, 408,900, and 409,212.
FOR QUICK-RELEASE PORTABLE WIRE SLACK PULLERS FOR TENSIONING ELECTRIC WIRE AND CABLE, PORTABLE ADJUSTABLE REEL MACHINES FOR PAYING OUT AND TAKING UP WIRE, LAMP CHANGERS, AND INSTALLATION TOOLS FOR EARTH ANCHORS—NAMELY, AUGERS AND WRENCHES.
Claims use since about January 1905 by applicant's predecessor in title on installation tools for earth anchors including augers and wrenches, and lamp changers; since about September 1923 on wire reels; and since about 1925 on wire slack pullers.

Ser. No. 530,178. DEERE & COMPANY, Moline, Ill. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

DEERE

Applicant claims ownership of registration No. 60,812.
FOR PLOW SHARES AND CULTIVATOR SHOVELS.
Claims use since January 1877.

Ser. No. 530,310. HEWITT'S INCORPORATED, Medicine Lodge, Kans. Filed Aug. 2, 1947.

JIBO

FOR TIRE TOOLS—NAMELY, BEAD BREAKERS, AND TIRE PRESSES, JACK SADDLES, AND COIL SPRING SPACERS.
Claims use since Mar. 27, 1947.

Ser. No. 532,043. PETER J. MICHELS, INC., Brooklyn, N. Y. Filed Aug. 21, 1947. Under section 2f of the act of 1946.

MERIT

Applicant claims ownership of registration No. 169,699.
FOR CUTLERY—NAMELY, RAZORS AND SHEARS.
Claims use since Apr. 1, 1922.

Ser. No. 535,329. J. R. KRAMER MANUFACTURING COMPANY, Los Angeles, Calif. Filed Sept. 23, 1947.

KUB

FOR PENCIL SHARPENING MACHINES AND REPLACEABLE CUTTERS USED IN THE SAID MACHINES.
Claims use since Aug. 1, 1947.

Ser. No. 536,039. CHARLES BOND COMPANY, Philadelphia, Pa. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

Grundy

Applicant claims ownership of registration No. 224,776.
FOR SHAFT COUPLINGS AS USED IN POWER TRANSMISSIONS.
Claims use since November 1909.

Ser. No. 536,040. CHARLES BOND COMPANY, Philadelphia, Pa. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

MATHER

Applicant claims ownership of registration No. 224,777.
FOR SHAFT COUPLINGS AS USED IN POWER TRANSMISSIONS.
Claims use since April 1919.

Ser. No. 536,566. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Oct. 2, 1947.

WESTLINE

FOR DITCHING SPADES, SHOVELS, FURNACE SCOOPS, HAY FORKS, LOPPING SHEARS, SPADES, HOES, HEDGE SHEARS, MANURE FORKS, HAND LAWN MOWERS, POWER LAWN MOWERS, RAKES, CULTIVATORS, GRASS WHIPS, SICKLES, SPADING FORKS, AND PRUNING SHEARS.
Claims use since Apr. 7, 1941.

Ser. No. 536,694. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed Oct. 3, 1947.

FARMALL CUB

Applicant claims ownership of registration No. 404,814.
FOR TRACTORS AND PARTS THEREOF.
Claims use since July 15, 1947.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 520,508. GEVAERT PHOTO PRODUCTEN, Antwerp, Belgium. Filed Jan. 30, 1948; originally filed, act of 1905, Apr. 11, 1947.

AMPLEX

Applicant claims ownership of Belgian registration No. 13,577 (Antwerp), dated Jan. 28, 1947.
FOR PHOTOGRAPHIC PRODUCTS—NAMELY, SENSITIZED PHOTOGRAPHIC PAPERS; LITHOGRAPHIC AND PHOTOGRAPHIC LITHO PAPERS; PHOTOGRAPHIC AND GRAPHIC PLATES; ROLLFILMS; STUDIO FILMS; PORTRAIT FILMS; FLAT FILMS; PACKFILMS; X-RAY FILMS; PHOTOGRAPHIC, GRAPHIC AND CINEMATOGRAPHIC FILMS; FILMS FOR THE PHOTOGRAPHING OF PROJECTED RÖNTGEN-IMAGES; PHOTOGRAPHIC AND CINEMATOGRAPHIC APPARATUS—NAMELY, CAMERAS, CINE-CAMERAS, FILTERS, SCREENS, LENSES AND DEVELOPING FRAMES.

Ser. No. 521,010. ARTHUR A. FRIESTEDT, Chicago, Ill. Filed Feb. 13, 1948; originally filed, act of 1905, Apr. 19, 1947.

GYRO—NIZER

FOR APPARATUS FOR DETERMINING THE ANGULAR RELATION BETWEEN THE AXES OF VEHICLE WHEELS.
Claims use since Sept. 17, 1943.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 528,769. CHINA & GLASS DISTRIBUTORS, INC., New York, N. Y. Filed July 17, 1947.

The Pantry Parade Co

The representation of a teapot is disclaimed apart from the mark.
FOR CHINAWARE, POTTERY, CROCKERY, PORCELAINS AND COMBINATIONS OF THE SAME—NAMELY, COOKIE JARS, SALT SHAKERS, PEPPER SHAKERS, SUGAR BOWLS, CREAMERS, ICEBOX SETS, BEAN POTS, TEAPOTS, AND PITCHERS.
Claims use since Feb. 26, 1947.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 523,053. A. BRANDWEIN & COMPANY, Chicago, Ill. Filed Nov. 25, 1947; originally filed, act of 1905, May 26, 1947.

Bran Divan

No claim is made to the exclusive right of the word "Divan" except as a part of the mark.
FOR SOFA BEDS.
Claims use since July 15, 1940.

Ser. No. 530,386. DIEBOLD, INCORPORATED, Canton, Ohio. Filed Aug. 4, 1947.

REVELDEX

FOR ROTARY TYPE VISIBLE CARD FILING DEVICES.
Claims use since Dec. 16, 1938.

Ser. No. 536,176. UNIVERSAL MERCANTILE CORP., Newark, N. J. Filed Sept. 29, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING

Ser. No. 515,724. SOUTHWESTERN HEATER CORPORATION, Hillsboro, Tex. Filed Dec. 1, 1947; originally filed, act of 1905, Jan. 14, 1947.

Ser. No. 532,355. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

Ser. No. 536,176. UNIVERSAL MERCANTILE CORP., Newark, N. J. Filed Sept. 29, 1947.

Marvel

FOR BRIDGE TABLE PADS, CHAIR PADS, AND TABLE PADS.
Claims use since June 6, 1947.

Ser. No. 536,735. VERSAL INC., South Bend, Ind. Filed Oct. 3, 1947.

shamp-ette

FOR SHAMPOO CHAIRS.
Claims use since Apr. 6, 1946.

Ser. No. 536,783. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

ANCHOR

Applicant claims ownership of registration No. 251,477.
FOR WINDOW SHADES AND WINDOW SHADE ROLLERS.
Claims use since 1897.

Ser. No. 541,347. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

LENOX

Applicant claims ownership of registration No. 155,584.
FOR MATTRESSES.
Claims use since Oct. 23, 1900.

Ser. No. 541,348. THE STEARNS & FOSTER COMPANY, Cincinnati, Ohio. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

YORK

Applicant claims ownership of registration No. 155,586.
FOR MATTRESSES.
Claims use since July 28, 1904.

Ser. No. 545,911. TAYLOR BEDDING MFG. CO., Taylor, Tex. Filed Dec. 31, 1947.

MORNING GLORY

Applicant claims ownership of registration No. 323,855.
FOR UPHOLSTERED BOX SPRINGS, SOFA BEDS, PILLOWS, AND MATTRESSES.
Claims use since 1904 on mattresses; and since 1934 on box springs, sofa beds, and pillows.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 493,911. BELL & GOSSETT COMPANY, Morton Grove, Ill. Filed Aug. 15, 1947; originally filed, act of 1905, Dec. 27, 1945.

B G Bell & Gossett Company

The term "Bell & Gossett Company" is disclaimed apart from the mark.
FOR HEAT EXCHANGERS FOR HEATING WATER WITH STEAM OR HOT WATER, INDIRECT WATER HEATERS, EXPANSION TANKS, AIR VENTS, PRESSURE, VAPOR AND VACUUM CONTROLS FOR STEAM HEATING SYSTEMS, OIL COOLERS FOR COOLING QUENCHING OIL, QUENCH TANKS, OIL STRAINERS FOR STRAINING QUENCHING OIL, INSTANTANEOUS WATER HEATERS, STEAM CONVERTORS FOR TRANSFERRING HEAT FROM STEAM OR HOT WATER TO WATER, AND SALT WATER EVAPORATORS FOR PRODUCING POTABLE WATER.
Claims use since July 1, 1930.

Ser. No. 505,367. THATCHER FURNACE COMPANY, Garwood, N. J. Filed Feb. 4, 1948; originally filed, act of 1905, July 10, 1946. Under section 2f of the act of 1946.

THATCHER

Applicant claims ownership of registration No. 56,292.
FOR DOMESTIC COAL, GAS AND OIL FIRED HEATING FURNACES, HEATING BOILERS, AND AIR CONDITIONERS—NAMELY, STEAM, HOT WATER, AND FORCED AIR HEATING SYSTEMS INCLUDING AIR FILTERS AND HUMIDIFIERS.
Claims use since 1850.

Ser. No. 508,915. NORMAN PRODUCTS COMPANY, Columbus, Ohio. Filed Sept. 25, 1947; originally filed, act of 1905, Sept. 12, 1946. Under section 2f of the act of 1946.

NORMAN

Applicant claims ownership of registration No. 99,456.
FOR GAS CONVERSION BURNER FOR ORDINARY HOUSE HEATING FURNACES ORIGINALLY DESIGNED FOR BURNING SOLID FUEL, AND PARTS THEREOF.
Claims use since 1859.

Ser. No. 515,724. SOUTHWESTERN HEATER CORPORATION, Hillsboro, Tex. Filed Dec. 1, 1947; originally filed, act of 1905, Jan. 14, 1947.

SOUTHWESTERN

FOR GAS WATER HEATERS.
Claims use since Oct. 23, 1946.

Ser. No. 528,216. MECHANICAL HOME SYSTEMS, INCORPORATED, Chicago, Ill. Filed July 9, 1947.

The drawing is lined for burnt orange and black.
FOR GAS FIRED UNITS FOR CENTRAL HEATING OF RESIDENTIAL STRUCTURES.
Claims use since Nov. 26, 1946.

Ser. No. 530,228. MAID-O'-MIST, INC., Chicago, Ill. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

AUTO-VENT

No claim is made to the specific style of lettering employed in the drawing. Applicant claims ownership of registration No. 338,211.
FOR AUTOMATIC HUMIDIFIERS AND AUTOMATIC AIR RELIEF VALVES, SUCH AS FOR USE WITH STEAM AND HOT WATER RADIATORS.
Claims use since Aug. 1, 1934.

Ser. No. 531,576. COPPUS ENGINEERING CORPORATION, Worcester, Mass. Filed Aug. 16, 1947.

Applicant claims ownership of registration No. 378,004.
FOR GAS BURNERS, OIL BURNERS, AND COMBINATION GAS AND OIL BURNERS.
Claims use since Feb. 6, 1939.

Ser. No. 532,355. SOUTHERN HEATER CORPORATION, Compton, Calif. Filed Aug. 25, 1947.

SOUTHERN

Applicant claims ownership of registration No. 253,476.
FOR WATER HEATERS USING GAS AS A FUEL.
Claims use since July 25, 1928.

Ser. No. 534,561. SPECIALTY MANUFACTURING COMPANY, Houston, Tex. Filed Sept. 15, 1947.

LITER-LIFT

The exclusive right to the word "Liter," apart from the mark shown, is disclaimed.
FOR REPAIR KIT IN THE FORM OF A CARD OR A HOLDER CONTAINING REPAIR PARTS FOR A LIGHTER FOR GAS BURNERS CONSISTING OF WICK, FLINTS, STEEL SPRING, AND BRASS PRESSURE EQUALIZER.
Claims use since Aug. 22, 1947.

CLASS 35

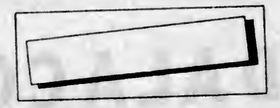
BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 501,561. H. BRAMMER & COMPANY LIMITED, Leeds, England. Filed Feb. 16, 1948; originally filed, act of 1920, May 7, 1946. Under section 2f of the act of 1946.

BRAMMER

Applicant claims ownership of British registrations Nos. 563,838 and 563,839.
FOR LAMINATED DRIVING BELTS COMPRISING A PLURALITY OF SUPERIMPOSED AND DETACHABLY CONNECTED LINKS OF LEATHER, RUBBER OR RUBBERIZED FABRIC.
Claims use since 1921.

Ser. No. 520,670. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Feb. 3, 1948; originally filed, act of 1905, Apr. 15, 1947.



Applicant claims ownership of registrations Nos. 404,752, 404,753, 404,754, 404,755, 409,919, 410,556; and 434,630.
FOR FRICTION ELEMENTS FOR BRAKES AND CLUTCHES; FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, PARTLY MADE OF RUBBER.
Claims use since Feb. 18, 1947.

Ser. No. 552,631. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Mar. 22, 1948.

Ser. No. 521,288. ROCHESTER PAPER COMPANY, Rochester, Mich. Filed Sept. 10, 1947; originally filed, act of 1905, Apr. 24, 1947.

Ser. No. 534,003. CURTIS 1000 INC., St. Paul, Minn. Filed Sept. 10, 1947.

Ser. No. 536,816. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

DYROKRAFT

Ser. No. 552,631. ATLAS SUPPLY COMPANY, Newark, N. J. Filed Mar. 22, 1948.

ATLAS

Grip-Safe Cushionaire

The words "Grip-Safe" are disclaimed. Applicant claims ownership of registrations Nos. 261,088, 288,702, 347,024, 347,559, and 436,694.
FOR RUBBER TIRES.
Claims use since Mar. 5, 1948.

Ser. No. 553,374. THE KELLY-SPRINGFIELD TIRE COMPANY, Cumberland, Md. Filed Mar. 30, 1948.

Armorubber

Applicant claims ownership of registration No. 338,587.
FOR TIRES COMPOSED WHOLLY OR PRINCIPALLY OF RUBBER AND CAMELBACK.
Claims use since Dec. 16, 1935, on tires; and since 1936 on camelback.

CLASS 37
PAPER AND STATIONERY

Ser. No. 520,934. DAYTON LAMINATING COMPANY, West Carrollton, Ohio. Filed Aug. 23, 1947; originally filed, act of 1905, Apr. 18, 1947.

DALACO

FOR LAMINATED SHEET MATERIAL CONSISTING OF LAMINATED SHEETS OF VEGETABLE PARCHMENT, OTHER PAPER, PAPER AND ALUMINUM FOIL, CELLOPHANE OR SHEETS OF ACETATE, FOR USE IN PACKING FROZEN FOODS AND OTHER PRODUCTS.
Claims use since Nov. 6, 1946.

Ser. No. 521,288. ROCHESTER PAPER COMPANY, Rochester, Mich. Filed Sept. 10, 1947; originally filed, act of 1905, Apr. 24, 1947.

No claim is made to the word "Blottings" apart from the mark as shown. Applicant claims ownership of registration No. 245,795, dated Aug. 21, 1928 (renewed).
FOR BLOTTING PAPER.
Claims use since Feb. 1, 1927.

Ser. No. 530,390. DIEBOLD, INCORPORATED, Canton, Ohio. Filed Aug. 4, 1947. Under section 2f of the act of 1946.

Card-O-Guide

Applicant claims ownership of registration No. 396,246.
FOR COMPOSITE GUIDES FOR CARD FILING EQUIPMENT.
Claims use since Mar. 5, 1941.

Ser. No. 534,001. CURTIS 1000 INC., St. Paul, Minn. Filed Sept. 10, 1947.

PRIVASEE

The lining on the drawing is for shading only. Applicant claims ownership of registration No. 262,599.
FOR CORRESPONDENCE AND MAILING ENVELOPES.
Claims use since Jan. 21, 1929.

Ser. No. 534,002. CURTIS 1000 INC., St. Paul, Minn. Filed Sept. 10, 1947.

RHINOHIDE

Applicant claims ownership of registration No. 266,397.
FOR FILING ENVELOPES.
Claims use since May 14, 1928.

Ser. No. 534,003. CURTIS 1000 INC., St. Paul, Minn. Filed Sept. 10, 1947.

POKER FACE

The picture shown on the drawing is an original design, and is not a portrait of any living individual. Applicant claims ownership of registration No. 251,138.
FOR MAILING AND CORRESPONDENCE ENVELOPES.
Claims use since July 18, 1928.

Ser. No. 534,004. CURTIS 1000 INC., St. Paul, Minn. Filed Sept. 10, 1947.

"SPEEDEE"

Applicant claims ownership of registration No. 247,047.
FOR CORRESPONDENCE ENVELOPES.
Claims use since Feb. 1, 1927.

Ser. No. 536,388. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

SEBO

FOR WRITING PAPER, LABEL STOCK, AND CONVERTING PAPER.
Claims use since November 1905.

Ser. No. 536,389. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

DUNKIRK

FOR TAG AND CONVERTING PAPERS.
Claims use since February 1940.

Ser. No. 536,393. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

SAGAMORE

FOR TAG AND CONVERTING PAPERS.
Claims use since March 1938.

Ser. No. 536,394. HOLLINGSWORTH & WHITNEY COMPANY, Boston, Mass. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

MOQUIN

FOR WRAPPING, ENVELOPE, AND CONVERTING PAPER.
Claims use since August 1904.

Ser. No. 536,816. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

PYROKRAFT

FOR COATED AND WATERPROOFED PAPER IN WHICH THE PAPER STOCK IS OF THE SULPHITE TYPE.
Claims use since 1935.

Ser. No. 537,779. THE ALMO SALES CORPORATION, Stratford, Conn. Filed Oct. 14, 1947.

INKROL

FOR MECHANICAL PENCILS AND FOUNTAIN PENS.
Claims use since Oct. 1, 1947.

Ser. No. 539,945. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Nov. 3, 1947. Under section 2f of the act of 1946.

NOBLOT

Applicant claims ownership of registration No. 356,309.
FOR INK PENCILS AND MECHANICAL PENCILS.
Claims use since August 1936 on ink pencils; and since Apr. 16, 1938, on mechanical pencils.

Ser. No. 540,608. THE ALMO SALES CORPORATION, Stratford, Conn. Filed Nov. 10, 1947.

SCROLL

FOR MECHANICAL PENCILS AND FOUNTAIN PENS.
Claims use since Oct. 22, 1947.

CLASS 38
PRINTS AND PUBLICATIONS

Ser. No. 503,688. WESTERN FAMILY PUBLISHING COMPANY, Los Angeles, Calif. Filed Sept. 16, 1947; originally filed, act of 1905, June 11, 1946. Under section 2f of the act of 1946.

WESTERN FAMILY

FOR BI-MONTHLY MAGAZINE.
Claims use since June 12, 1941.

Ser. No. 514,128. MURRAY HILL BOOKS INCORPORATED, New York, N. Y. Filed Jan. 29, 1948; originally filed, act of 1905, Dec. 12, 1946.

M-H-B Duo-Book

The words "Duo-Book" are disclaimed apart from the mark.
FOR PRINTED TEXTBOOKS.
Claims use since Aug. 1, 1946.

Ser. No. 518,313. THE OPEN ROAD PUBLISHING COMPANY, Boston, Mass. Filed Mar. 23, 1948; originally filed, act of 1905, Feb. 28, 1947. Under section 2f of the act of 1946.

Ser. No. 529,399. MONA PALMER, executrix and sole trustee of the estate of Russell Palmer, Los Angeles, Calif. Filed July 24, 1947. Under section 2f of the act of 1946.

Ser. No. 550,820. NORCROSS, INC., New York, N. Y. Filed Feb. 28, 1948.

Ser. No. 554,319. MIDWEST UTILITIES CO., INC., St. Louis, Mo. Filed Apr. 10, 1948.

FOIL, CELLOPHANE OR SHEETS OF ACETATE, FOR USE IN PACKING FROZEN FOODS AND OTHER PRODUCTS.
Claims use since Nov. 6, 1946.

Applicant claims ownership of registration No. 266,397.
FOR FILING ENVELOPES.
Claims use since May 14, 1928.

PAPER.
Claims use since August 1904.

FOR PRINTED TEXTBOOKS.
Claims use since Aug. 1, 1946.

Ser. No. 518,313. THE OPEN ROAD PUBLISHING COMPANY, Boston, Mass. Filed Mar. 23, 1948; originally filed, act of 1905, Feb. 28, 1947. Under section 2f of the act of 1946.

The SALT WATER SPORTSMAN

FOR WEEKLY NEWSPAPER.
Claims use since June 8, 1939.

Ser. No. 522,699. COMMERCE CLEARING HOUSE, INC., Chicago, Ill. Filed July 26, 1948; originally filed, act of 1905, May 20, 1947.

US Master Tax Guide

The words "U. S. Tax Guide" are disclaimed apart from the mark.
FOR PUBLICATION DEVOTED TO THE LAW AND ISSUED ANNUALLY.
Claims use since Jan. 1, 1934.

Ser. No. 528,429. CAPPER-HARMAN-SLOCUM, INC., Cleveland, Ohio. Filed July 12, 1947. Under section 2f of the act of 1946.

The OHIO FARMER

Applicant claims ownership of registration No. 56,762.
FOR BI-MONTHLY PUBLICATION.
Claims use since 1885.

Ser. No. 528,691. CAPPER-HARMAN-SLOCUM, INC., Cleveland, Ohio. Filed July 16, 1947. Under section 2f of the act of 1946.

Michigan Farmer

FOR BI-MONTHLY PUBLICATION.
Claims use since 1843.

Ser. No. 529,399. MONA PALMER, executrix and sole trustee of the estate of Russell Palmer, Los Angeles, Calif. Filed July 24, 1947. Under section 2f of the act of 1946.

WORLD PETROLEUM

Applicant claims ownership of registrations Nos. 282,769, 204,901, 217,474, and 377,090.
FOR MAGAZINE.
Claims use since November 1929.

Ser. No. 541,776. THE STECK COMPANY, Austin, Tex. Filed July 26, 1947. Under section 2f of the act of 1946.

WORKTEXT

Applicant claims ownership of registration No. 395,368.
FOR SCHOOL BOOKS.
Claims use since Mar. 1, 1941.

Ser. No. 542,377. WATCHTOWER BIBLE AND TRACT SOCIETY, INC., Brooklyn, N. Y. Filed Nov. 25, 1947.

AWAKE!

FOR MAGAZINE.
Claims use since Aug. 6, 1946.

Ser. No. 545,142. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Dec. 22, 1947.

WHO WAS WHO IN AMERICA

No claim is made to the word "America" apart from the mark shown. Applicant claims ownership of registrations Nos. 378,389, 378,391, and 378,392.
FOR PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME.
Claims use since Feb. 10, 1943.

Ser. No. 550,460. THOMAS PUBLISHING COMPANY, New York, N. Y. Filed Feb. 24, 1948. Under section 2f of the act of 1946.

INDUSTRIAL EQUIPMENT NEWS

Applicant claims ownership of registrations Nos. 305,404 and 332,611.
FOR PERIODICAL.
Claims use since February 1933.

Ser. No. 550,820. NORCROSS, INC., New York, N. Y. Filed Feb. 28, 1948.

Flower Show

The word "Flower" is disclaimed apart from the mark.
FOR GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED SEALS, AND PRINTED DECORATIVE TAGS.
Claims use since Jan. 27, 1948.

Ser. No. 551,321. SIMPLEX BINDER CO., New York, N. Y. Filed Mar. 5, 1948.

Arkay

FOR RAPID CALCULATING BOOKS.
Claims use since Mar. 1, 1918.

Ser. No. 551,874. DUN & BRADSTREET, INC., New York, N. Y. Filed Mar. 13, 1948. Under section 2f of the act of 1946.

DUN'S REVIEW

FOR MAGAZINE AND FOR PRINTED CHARTS, GRAPHS, AND TABULATIONS OF BUSINESS INFORMATION.
Claims use since Aug. 1, 1893.

Ser. No. 551,875. DUN & BRADSTREET, INC., New York, N. Y. Filed Mar. 13, 1948. Under section 2f of the act of 1946.

DUN'S Statistical REVIEW

FOR MAGAZINE.
Claims use since Mar. 1, 1937.

Ser. No. 551,921. UNITED PRINTERS AND PUBLISHERS (INCORPORATED), doing business as Rust Craft Publishers, Boston, Mass. Filed Mar. 13, 1948.

GLEAM O' GOLD

No claim is made to the word "Gold" apart from the mark.
FOR GREETING CARDS.
Claims use since February 1948.

Ser. No. 554,319. MIDWEST UTILITIES CO., INC., St. Louis, Mo. Filed Apr. 10, 1948.

MUCO

The letters in the drawing are "MUCO." The drawing is lined for green.
FOR TRADING STAMPS.
Claims use since Apr. 2, 1948.

CLASS 39

CLOTHING

Ser. No. 494,766. ACME GLOVE CORPORATION, Gloversville, N. Y. Filed Sept. 8, 1947; originally filed, act of 1905, Jan. 15, 1946. Under section 2f of the act of 1946.

ALMONDIZED Beautydoe

The word "Almondized" is disclaimed apart from the mark. Applicant claims ownership of registration No. 322,466.
FOR LADIES' GLOVES, MADE OF LEATHER, FABRIC, OR A COMBINATION OF BOTH.
Claims use since January 1942.

Ser. No. 503,997. THE SCHIFF COMPANY, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio. Filed Sept. 8, 1947; originally filed, act of 1905, June 15, 1946.

Klassy Lass for the Stylish Miss

The words "for the Stylish Miss" are disclaimed apart from the mark.
FOR SHOES MADE OF LEATHER OR FABRIC, OR COMBINATIONS THEREOF.
Claims use since Apr. 1, 1946.

Ser. No. 542,994. HERMAN HELLER, New York, N. Y.

Ser. No. 554,500. KIRBY, BEARD & CO. LTD., Birmingham,

Ser. No. 512,537. THE SCHIFF COMPANY, Columbus, Ohio, now by change of name Shoe Corporation of America, a corporation of Ohio. Filed Aug. 29, 1947; originally filed, act of 1905, Nov. 13, 1946.

Sport PALS

The word "Sport" is disclaimed apart from the mark.
FOR MEN'S SHOES.
Claims use since Oct. 4, 1946.

Ser. No. 514,473. EDWARD C. HEMPHILL, doing business as Carnan Company, San Francisco, Calif. Filed Feb. 4, 1948; originally filed, act of 1905, Dec. 18, 1946. Under section 2f of the act of 1946.

CARNAN

FOR HEAD WARMERS FORMED OF FABRIC OR THE LIKE AND ADAPTED TO BE WORN WHILE SLEEPING.
Claims use since Mar. 1, 1940.

Ser. No. 535,068. MUNSINGWEAR, INC., Minneapolis, Minn. Filed Sept. 19, 1947.

MUNSINGWEAR

Applicant claims ownership of registrations Nos. 49,004, 120,993, 147,373, and others.
FOR MEN'S, WOMEN'S, GIRLS', AND BOYS' HOSIERY; MEN'S, WOMEN'S, BOYS' AND GIRLS' KNIT SLEEPINGWEAR—NAMELY, NIGHTGOWNS, PAJAMAS, BED SOCKS, LOUNGING ROBES AND BED JACKETS; MEN'S AND BOYS' KNIT ATHLETIC OR OUTER WEAR—NAMELY, ATHLETIC SHIRTS AND T-SHIRTS; MEN'S WOVEN UNDERWEAR—NAMELY, SHORTS; MEN'S, WOMEN'S, BOYS', AND GIRLS' KNIT UNDERWEAR—NAMELY, SHIRTS, SHORTS, SUITS, DRAWERS, PANTS, CHEMISES, SLIPS, HALF-SLIPS, VESTS; AND FOUNDATION GARMENTS FOR WOMEN AND MISSES—NAMELY, GIRDLES, PANTIE GIRDLES, FULL LENGTH GARMENTS AND BANDEAUX AND BRASSIÈRES.
Claims use since Jan. 1, 1911.

Ser. No. 539,645. BURBERRYS LIMITED, London, England, Filed Oct. 31, 1947.

BURBERRY

Applicant claims ownership of registrations Nos. 259,571, 260,813, 260,886, and 261,141.
FOR CLOTHING—NAMELY, COATS AND TOPCOATS FOR MEN, WOMEN, AND CHILDREN; JACKETS FOR MEN, WOMEN, AND CHILDREN; BREECHES FOR MEN AND BOYS; SUITS FOR MEN AND BOYS; RIDING HABITS FOR WOMEN AND GIRLS; WAISTCOATS FOR MEN, WOMEN, AND CHILDREN; GAITERS FOR MEN, WOMEN, AND CHILDREN; LEGGINGS FOR MEN, WOMEN, AND CHILDREN; OVERALLS FOR MEN, WOMEN, AND CHILDREN; SKIRTS FOR OUTER WEAR FOR WOMEN AND CHILDREN; FUR COATS AND FUR JACKETS FOR MEN, WOMEN, AND CHILDREN; CAPES FOR MEN, WOMEN, AND CHILDREN; HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN; HELMETS FOR MEN AND WOMEN; BONNETS, HOODS, AND TOQUES FOR MEN, WOMEN, AND CHILDREN; NECKTIES FOR MEN, WOMEN, AND CHILDREN; STOCKINGS AND SOCKS FOR MEN, WOMEN, AND CHILDREN; BRACES AND SUSPENDERS FOR MEN, WOMEN, AND CHILDREN; BELTS FOR OUTER WEAR FOR MEN, WOMEN, AND CHILDREN; BOOTS FOR MEN, WOMEN, AND CHILDREN, OF LEATHER AND RUBBER OR COMBINATIONS OF THESE MATERIALS; SHOES AND SLIPPERS FOR MEN, WOMEN, AND CHILDREN, OF LEATHER, RUBBER, AND FABRIC, OR COMBINATIONS OF THESE MATERIALS; UNDERWEAR OF KNITTED AND TEXTILE FABRIC FOR MEN, WOMEN, AND CHILDREN; GLOVES FOR MEN, WOMEN, AND CHILDREN OF LEATHER AND FABRIC.
Claims use since 1903.

Ser. No. 541,717. TEWI LINGERIE INC., New York, N. Y. Filed Nov. 19, 1947.

Co-Bra

The word "Bra" is disclaimed apart from the mark.
FOR UNDERGARMENTS—NAMELY, SLIPS.
Claims use since Oct. 29, 1947.

Ser. No. 542,010. CROWN ZELLERBACH CORPORATION, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Filed Nov. 22, 1947.

NATA-PANTS

The word "Pants" is disclaimed apart from the mark.
FOR PAPER DISPOSABLE DIAPER HOLDERS IN THE NATURE OF PANTIES.
Claims use since Dec. 1, 1943.

Ser. No. 542,112. THE GERNES GARMENT COMPANY INC., Kansas City, Mo. Filed Nov. 24, 1947. Under section 2f of the act of 1946.

"Gay Gibson"

The name is fanciful. Applicant claims ownership of registration No. 362,841.
FOR MISSES', LADIES', AND CHILDREN'S DRESSES, PLAYSUITS, SKIRTS, BLOUSES, AND SMOCKS.
Claims use since Oct. 1, 1937.

Ser. No. 542,994. HERMAN HELLER, New York, N. Y. Filed Aug. 16, 1947.

YALE

FOR MEN'S SHORTS.
Claims use since May 13, 1913.

Ser. No. 546,021. I. NEWMAN & SONS, INCORPORATED, New Haven, Conn. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

P.N. Practical Front

The word "Front" is disclaimed apart from the mark.
Applicant claims ownership of registrations Nos. 67,189, 138,197, 146,546, 210,156, and 212,478.
FOR CORSETS.
Claims use since Dec. 30, 1914.

Ser. No. 547,241. DICKSON-JENKINS MANUFACTURING COMPANY, Fort Worth, Tex. Filed Jan. 16, 1948.

LONGHORN

Applicant claims ownership of registration No. 252,291.
FOR WESTERN STYLE CLOTHING FOR MEN AND BOYS—NAMELY, PANTS, SHIRTS, AND JACKETS, MADE OF WOOL AND COTTON.
Claims use since Sept. 15, 1922.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 509,745. UNITED LACE & BRAID COMPANY, Cranston, R. I. Filed Feb. 4, 1948; originally filed, act of 1905, Sept. 25, 1946. Under section 2f of the act of 1946.

Beaded Tip

The word "Tip" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 104,820.
FOR SHOE LACES AND CORSET LACES.
Claims use since 1905.

Ser. No. 551,699. ELIZABETH DARWIN, Hollywood, Calif. Filed Mar. 11, 1948.

Dar Wing
Shoulder Contours

Applicant disclaims the exclusive use of the words "Shoulder Contours." The mark consists of the words "Dar Wing Shoulder Contours" and the representation of a girl.
FOR SHOULDER PADS USED IN FEMININE WEARING APPAREL.
Claims use since Jan. 9, 1948.

Ser. No. 554,500. KIRBY, BEARD & CO. LTD., Birmingham, England. Filed Apr. 13, 1948.

THE FLEXOR

Applicant claims ownership of registration No. 96,228.
FOR HAIRPINS.
Claims use since December 1879.

Ser. No. 555,596. CURVEX CORPORATION, New York, N. Y. Filed Apr. 26, 1948.

SPEEDLASH

FOR HAIR CURLERS, EYELASH CURLERS, AND REFILLS FOR EYELASH CURLERS.
Claims use since Apr. 23, 1948.

Ser. No. 559,014. H. FLANZER & SON, New York, N. Y. Filed June 11, 1948.

FLANSON

FOR RUFFLINGS, NOVELTY TRIMMINGS, AND SKIRT FACINGS.
Claims use since May 15, 1948.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 525,802. DUMARI TEXTILE CO., INC., New York, N. Y. Filed Oct. 25, 1947; originally filed, act of 1905, July 3, 1947.

REXSHAM

FOR FABRICS IN THE PIECE MADE OF COTTON AND/OR RAYON.
Claims use since June 1935.

Ser. No. 536,808. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

ESSEX

FOR TAG CLOTH.
Claims use since 1914.

Ser. No. 536,809. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

GRANADA

FOR TAG CLOTH.
Claims use since 1914.

Ser. No. 536,814. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

Ser. No. 538,204. WATTS, RITTER & CO., Huntington, W. Va. Filed Oct. 17, 1947.

Ser. No. 541,081. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

WOVEN FROM EXTRUDED PLASTIC MONOFILAMENTS, WATERPROOF FABRICS FORMED BY THE COATING OF TEXTILE MATERIALS MADE OF COT-

Ser. No. 536,814. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

WARWICK

FOR LABEL CLOTH.
Claims use since 1914.

Ser. No. 536,820. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

WESTMOLE

FOR COATED AND WATERPROOFED CLOTH OF COTTON FIBERS, IN THE PIECE AND ROLL.
Claims use since 1936.

Ser. No. 536,821. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

LACQROID

FOR COATED AND WATERPROOFED CLOTH OF COTTON FIBRES, IN THE PIECE AND ROLL.
Claims use since 1936.

Ser. No. 537,872. THE CINCINNATI COTTON PRODUCTS COMPANY, Cincinnati, Ohio. Filed Oct. 15, 1947.

Applicant disclaims apart from the mark the words "Stockinettes," "Cincinnati Cotton Products Company," and the representation of the cloth apart from the mark as shown.
FOR SHROUD CLOTHS MADE OF COTTON AND SOLD BY THE PIECE OR BY THE YARD.
Claims use since Jan. 27, 1947.

Ser. No. 538,204. WATTS, RITTER & CO., Huntington, W. Va. Filed Oct. 17, 1947.

QUAKER GIRL

The representation of a lady is fanciful and fictitious.
FOR PRINTED COTTON CLOTH IN THE PIECE.
Claims use since June 1923.

Ser. No. 541,077. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

BUR-MIL

Applicant claims ownership of registration No. 383,495.
FOR PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, TABLECLOTHS, AND NAPKINS.
Claims use since June 18, 1940, on piece goods; and since July 24, 1947, on bedspreads, draperies, tablecloths and napkins.

Ser. No. 541,080. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

Applicant claims ownership of registration No. 384,236.
FOR PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, TABLECLOTHS AND NAPKINS.
Claims use on piece goods since June 18, 1940; and on bedspreads, draperies, tablecloths, and napkins since July 24, 1947.

Ser. No. 541,081. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Nov. 14, 1947.

BUR-MIL QUALITY

No claim is made to the word "Quality" apart from the mark shown. Applicant claims ownership of registration No. 400,620.
FOR PIECE GOODS OF WOOL, COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, BEDSPREADS, DRAPERIES, TABLECLOTHS, AND NAPKINS.
Claims use on piece goods since June 18, 1940; and on bedspreads, draperies, tablecloths and napkins since July 24, 1947.

Ser. No. 546,144. NYE-WAIT COMPANY, INC., Auburn, N. Y. Filed Aug. 8, 1947. Under section 2f of the act of 1946.

Jacobean

Applicant claims ownership of registration No. 341,028.
FOR TEXTILE RUGS AND CARPETS.
Claims use since Mar. 1, 1933.

Ser. No. 549,537. MARSHALL FIELD & COMPANY, Chicago, Ill. Filed Feb. 12, 1948.

PARAMOUNT

FOR BLANKETS.
Claims use since March 1941.

Ser. No. 549,583. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 12, 1948.

Applicant claims ownership of registration No. 391,044.
FOR GROUP A—WINDOW CURTAINS, DRAPERIES, DRAPERY FABRICS, SLIP COVER MATERIALS, BEDSPREADS; GROUP B—BATH MATS, TICKING; GROUP C—TOWELS, TOWELING, WASH CLOTHS, DISH CLOTHS, RUGS (MADE OF WOOL, JUTE, COTTON, RAYON AND COMBINATIONS THEREOF), COMFORTERS, COMFORTER COVERS, BLANKETS, PIECE GOODS (SATEEN, NAINSOOK, CHEESECLOTH, ETC.), SHOWER CURTAINS AND SHOWER CURTAIN FABRICS FORMED OF COATED AND WATERPROOFED CLOTH MADE OF COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, MATTRESS COVERS, BED SPRING COVERS, MATTRESS PADS, FABRICS WOVEN FROM EXTRUDED PLASTIC MONOFILAMENTS, WATERPROOF FABRICS FORMED BY THE COATING OF TEXTILE MATERIALS MADE OF COTTON, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF, TABLE PADDING; GROUP D—FURNITURE SCARVES AND SCARFING, PILLOW TICKS, TABLECLOTHS, NAPKINS; GROUP E—BED SHEETS, SHEETING, PILLOW CASES, PILLOW TUBING, ALL OF SAID ARTICLES, UNLESS OTHERWISE SPECIFIED, BEING FORMED OF TEXTILE MATERIALS MADE FROM NATURAL FIBERS, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.
Claims use since Jan. 2, 1940 for Group A; since Jan. 15, 1944 for Group B; since Jan. 15, 1946 for Group C; since July 15, 1946 for Group D; since Dec. 15, 1946 for Group E.

Ser. No. 549,728. HARRY GOLDINGER TEXTILE CORPORATION, Los Angeles, Calif. Filed Feb. 14, 1948.

CHICALINDA

FOR FABRICS COMPOSED OF ANY COTTON, WOOL, SILK, SYNTHETIC FIBRES, AND MIXTURES THEREOF.
Claims use since Jan. 7, 1948.

Ser. No. 549,730. HARRY GOLDINGER TEXTILE CORPORATION, Los Angeles, Calif. Filed Feb. 14, 1948.

Texcella

FOR FABRICS COMPOSED OF ANY COTTON, WOOL, SILK, SYNTHETIC FIBRES, AND MIXTURES THEREOF.
Claims use since Dec. 26, 1947.

Ser. No. 550,219. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Feb. 20, 1948.

KOZY-NOOK

Applicant claims ownership of registration No. 324,286.
FOR SLIP COVER MATERIAL OF COTTON AND SYNTHETIC FIBERS.
Claims use since December 1945.

Ser. No. 551,276. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Mar. 5, 1948.

WONDA WASH

The word "Wash" is disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 429,700 and 401,163.
FOR SHOWER CURTAINS.
Claims use since May 1942.

Ser. No. 554,704. REEVES BROTHERS, INC., New York, N. Y. Filed Apr. 15, 1948.

Ser. No. 560,480. KILBURN MILL, New Bedford, Mass. Filed June 30, 1948.

Ser. No. 553,075. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 26, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 554,704. REEVES BROTHERS, INC., New York, N. Y. Filed Apr. 15, 1948.

The representation of the bolt of cloth is disclaimed apart from the mark.
FOR PIECE GOODS OF COTTON, RAYON, WOOL, AND SYNTHETIC FIBRES.
Claims use since Apr. 1, 1947.

Ser. No. 560,319. CORTLEY CURTAIN CORPORATION, New York, N. Y. Filed June 28, 1948.

COR-RAY

FOR WINDOW CURTAINS.
Claims use since June 11, 1948.

Ser. No. 560,420. PORTLAND WOOLEN MILLS, INC., Portland, Oreg. Filed June 29, 1948.

Ranger

FOR BLANKETS.
Claims use since November 1947.

Ser. No. 560,451. DAN RIVER MILLS, INCORPORATED, Danville, Va. Filed June 30, 1948.

DANTUFF

Applicant claims ownership of registrations Nos. 73,907, 418,048, and others.
FOR COTTON PIECE GOODS.
Claims use since June 12, 1948.

Ser. No. 560,480. KILBURN MILL, New Bedford, Mass. Filed June 30, 1948.

KILBURNIT

Applicant claims ownership of registrations Nos. 70,372, 405,104, and 406,736.
FOR KNITTED AND WOVEN FABRICS MADE FROM COTTON, WOOLEN, OR SYNTHETIC YARNS OR FIBERS, OR COMBINATIONS THEREOF.
Claims use since Jan. 14, 1948.

Ser. No. 560,668. VANETTA VELVET CORPORATION, New York, N. Y. Filed July 2, 1948.

Vanetta

Applicant claims ownership of registration No. 231,760.
FOR PILE AND FLAT FABRICS, WOVEN, KNITTED, OR NETTED, MADE OF SILK, WOOL, OTHER ANIMAL FIBRES, RAYON, NYLON, OTHER SYNTHETIC FIBRES, AND COMBINATIONS THEREOF, SOLD IN THE PIECE.
Claims use since Mar. 1, 1923.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 512,455. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed July 13, 1948; originally filed, act of 1905, Nov. 12, 1946. Under section 2f of the act of 1946.

ADJUST-ARCH

FOR ARCH SUPPORTS.
Claims use since Apr. 5, 1936.

Ser. No. 520,891. THE OHIO TRUSS COMPANY, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc., a corporation of Ohio. Filed Nov. 26, 1947; originally filed, act of 1905, Apr. 17, 1947. Under section 2f of the act of 1946.

SOLID COMFORT

FOR TRUSSES FOR USE IN THE CORRECTION AND ALLEVIATION OF HERNIA.
Claims use since Aug. 1, 1900.

Ser. No. 553,075. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Filed Mar. 26, 1948.

FOODLAND

FOR TOOTHPICKS.
Claims use since January 1934.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 540,303. MILNER & COKE LIMITED, London, England. Filed Nov. 6, 1947.

Frudron

Applicant claims ownership of British registration No. 623,927, dated June 17, 1943.
FOR NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS AND CONCENTRATES FOR MAKING SAME.

Ser. No. 540,403. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif. Filed Nov. 7, 1947.

RIGKO

FOR CONCENTRATE MIXTURE OF APPLE AND GRAPE JUICES.
Claims use since July 1, 1935.

Ser. No. 545,560. JOHN J. THOMPSON, New York, N. Y. Filed Dec. 26, 1947.

Dixie-Du

FOR NON-ALCOHOLIC NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Nov. 6, 1947.

Ser. No. 545,807. AMERICAN BEVERAGE CORPORATION, Brooklyn, N. Y. Filed Dec. 31, 1947.

CEL-RAY

Applicant claims ownership of registration No. 293,635.
FOR CELERY BEVERAGE CONTAINING CARBONATED WATER, SUGAR, CITRIC ACID, CELERY FLAVOR, AND CARAMEL COLOR.
Claims use since Dec. 10, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 492,748. TEX-O-KAN FLOUR MILLS Co., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. Filed July 5, 1947; originally filed, act of 1905, Dec. 5, 1945. Under section 2f of the act of 1946.

The representation of a women is fanciful. No claim is made to the words "Mill and Elevator Co., Fort Worth, Texas." Applicant claims ownership of registrations Nos. 50,479, 55,938, and 502,439.
FOR WHOLE WHEAT FLOUR, CAKE FLOUR, PANCAKE FLOUR, CORN MEAL, AND CORN GRITS.
Claims use since 1940.

Ser. No. 497,193. PARROTT & Co., San Francisco, Calif. Filed Sept. 2, 1947; originally filed, act of 1905, Feb. 25, 1946.

EXPOSITION

Applicant claims ownership of registration No. 164,648.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since Apr. 1, 1913.

Ser. No. 497,195. PARROTT & Co., San Francisco, Calif. Filed Sept. 2, 1947; originally filed, act of 1905, Feb. 25, 1946.

Bountiful

Applicant claims ownership of registration No. 164,949.
FOR CANNED FRUITS, CANNED VEGETABLES, AND CANNED FISH.
Claims use since Apr. 1, 1915.

Ser. No. 508,160. JOE LOWE CORPORATION, New York, N. Y. Filed Feb. 3, 1948; originally filed, act of 1905, Aug. 28, 1946.

REVELLO

Applicant claims ownership of registration No. 326,138.
FOR VARIEGATED ICE CREAM AND FLAVORING MATERIALS FOR SUCH ICE CREAM—NAMELY, CHOCOLATE FUDGE POWDER.
Claims use since Aug. 2, 1946.

Ser. No. 539,235. TAYLOR & SLEDD, INC., Richmond, Va. Filed Oct. 31, 1947.

GRAIN ENRICHED WITH MOLASSES, HOG FEED, [illegible]

Ser. No. 521,164. GEORGE WILLIAMSON, JR., Jacksonville, Tex. Filed Oct. 28, 1947; originally filed, act of 1905, Apr. 22, 1947.

KI-BU

FOR FRESH VEGETABLES.
Claims use since November 1946.

Ser. No. 521,363. HUGO SCHEFCAK, doing business as Angel Cream Donut Flour Company, Dallas, Tex. Filed June 17, 1948; originally filed, act of 1920, Apr. 25, 1947.

Hugo's

FOR PREPARED MIX OF FLOUR, SHORTENING, DRY SKIM MILK, BAKING POWDER, EGGS, FLAVOR, FOR USE IN MAKING COOKIES AND DOUGHNUTS.
Claims use since Feb. 1, 1946.

Ser. No. 529,350. BOWMAN DAIRY COMPANY, Chicago, Ill. Filed July 24, 1947.

FOR FLUID MILK AND CREAM.
Claims use since Jan. 15, 1942.

Ser. No. 529,760. GARDEN OF THE SETTING SUN, INC., Mecca, Calif. Filed July 28, 1947.

A Desert Dream

No claim is made to the word "Desert" apart from the mark as shown.
FOR FRESH DATES.
Claims use since 1931.

Ser. No. 529,827. SEASIDE FISHERIES COMPANY, Long Beach, Calif. Filed July 28, 1947.

SEA GLADE

No claim is made to the word "Sea" apart from the mark.
FOR CANNED MACKEREL.
Claims use since 1943.

Ser. No. 530,182. FARMERS PRODUCE CO., Tripoli, Iowa. Filed Aug. 1, 1947.

EW

FOR FRESH AND STORAGE EGGS, AND DRESSED POULTRY, AND FROZEN CANNED EGGS.
Claims use since June 1, 1936.

Ser. No. 531,640. ATLANTA MILLING COMPANY, Atlanta, Ga. Filed Aug. 18, 1947.

Capitola

Applicant claims ownership of registration No. 33,487.
FOR SELF-RISING FLOUR, WHEAT FLOUR, AND FEEDS FOR LIVESTOCK AND POULTRY.
Claims use since February 1899.

Ser. No. 533,623. FRANK G. SHATTUCK COMPANY, New York, N. Y. Filed Sept. 5, 1947.

LUXURO

Applicant claims ownership of registration No. 83,360.
FOR CANDIES AND COCOA.
Claims use since Nov. 9, 1909.

Ser. No. 535,667. WESSON OIL & SNOWDRIFT CO., INC., New Orleans, La. Filed Sept. 24, 1947.

55

FOR COTTONSEED OIL.
Claims use since Feb. 3, 1903.

Ser. No. 539,235. TAYLOR & SLEDD, INC., Richmond, Va. Filed Oct. 27, 1947.

TIDEWATER

Applicant claims ownership of registrations Nos. 176,452 and 260,263.
FOR CANNED FRUITS, CANNED ORANGE JUICE AND CANNED GRAPEFRUIT JUICE, CANNED CRANBERRY SAUCE AND CANNED APPLE SAUCE, FRUIT PRESERVES, JELLIES, ORANGE MARMALADE; CANNED VEGETABLES, TOMATO JUICE, CHILI SAUCE, TOMATO CATSUP, SANDWICH SPREAD, MUSTARD, MAYONNAISE; SALT FISH PACKED IN TIN, WOOD, OR GLASS, CANNED SHRIMP, CANNED HERRING ROE, CANNED COD FISH CAKES, CANNED GRAPE JAM, AND CANNED PIMIENTOS.
Claims use since February 1922.

Ser. No. 539,495. COMMERCIAL IMPORTING CO., Seattle, Wash. Filed Oct. 30, 1947.

The picture of the man is fanciful.
FOR COFFEE, TEA, FOOD FLAVORING EXTRACTS, AND CHILI POWDER.
Claims use since 1920.

Ser. No. 539,850. THE JOHN B. CANEPA COMPANY, Chicago, Ill. Filed Nov. 1, 1947.

Applicant claims ownership of registrations Nos. 50,396, 366,388, 366,389, 398,438, and 398,439.
FOR MACARONI, SPAGHETTI, VERMICELLI; NOODLES, AND VARIETIES THEREOF CALLED ALIMENTARY PASTE GOODS.
Claims use since April 1872.

Ser. No. 539,864. ELM GROVE MILLING COMPANY, Elm Grove, Wis. Filed Nov. 1, 1947.

FOR FEED FOR DOMESTIC ANIMALS AND FOWL——NAMELY, MINERAL FEED, IODIZED SALT, GRAIN ENRICHED WITH MOLASSES, HOG FEED, DAIRY FEED AND PREPARED MASHES, MEALS AND PELLETS FOR LIVESTOCK, POULTRY, PIGEONS, AND RABBITS, RESPECTIVELY, AND WHEAT FLOUR.
Claims use since June 1926.

Ser. No. 540,628. F. M. BALL & COMPANY, Oakland, Calif. Filed Nov. 10, 1947.

Lady Like

FOR CANNED FRUITS.
Claims use since Nov. 27, 1940.

Ser. No. 542,807. CENTRAL COAST MARKETING ASSOCIATION, INC., Watsonville, Calif. Filed Dec. 1, 1947.

The representation of the man and woman is fanciful. The lining on the drawing is used to indicate the design.
FOR FRESH VEGETABLES.
Claims use since Aug. 25, 1947.

Ser. No. 542,896. MARTIN C. WAHL, INC., El Centro, Calif. Filed Dec. 1, 1947. Under section 2f of the act of 1946.

WAHL

Applicant claims ownership of registration No. 320,337.
FOR FRESH VEGETABLES AND FRESH MELONS.
Claims use since May 20, 1933.

Ser. No. 544,466. SAN FERNANDO LEMON ASSOCIATION, San Fernando, Calif. Filed Dec. 16, 1947.

LANCER

FOR FRESH CITRUS FRUITS.
Claims use since 1931.

CLASS 49

Ser. No. 537,116. WHEELING STAMPING COMPANY, Wheel-

CLASS 55

Ser. No. 542,513. ALBERT R. BENUA, Westerville, Ohio. Filed Nov. 28, 1947. SERVICE MARK.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 535,700. GORDON-O'NEILL COMPANY, Jersey City, N. J. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

LOUISVILLE CLUB

Applicant claims ownership of registration No. 344,702.
FOR WHISKEY.
Claims use since Dec. 6, 1935.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 528,952. PANCOFILM, INC., Chelsea, Mass. Filed July 19, 1947.

PANCOFILM

FOR SHEET MATERIAL OF VINYL RESIN RESEMBLING ARTIFICIAL LEATHER.
Claims use since February 1946.

Ser. No. 537,115. WHEELING STAMPING COMPANY, Wheeling, W. Va. Filed Oct. 7, 1947.

The word "Co." is disclaimed apart from the mark as shown.
FOR THREADED CAPS FOR BOTTLES, JARS, CANS, COLLAPSIBLE TUBES, AND LIP-STICK CONTAINERS.
Claims use since Oct. 1, 1937.

Ser. No. 537,116. WHEELING STAMPING COMPANY, Wheeling, W. Va. Filed Oct. 7, 1947.

FOR THREADED CAPS FOR BOTTLES, JARS, CANS, COLLAPSIBLE TUBES, AND LIP-STICK CONTAINERS.
Claims use since July 14, 1942.

Ser. No. 538,230. ALEXANDER BACKER, doing business as Alexander Backer Company, Brooklyn, N. Y. Filed Oct. 18, 1947.

ABCO

FOR ART WARE—NAMELY, FIGURINES OF HUMAN AND ANIMAL FORM, AND WALL PLAQUES.
Claims use since Jan. 1, 1933.

Ser. No. 543,000. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md. Filed Aug. 28, 1947.

Dacro

Applicant claims ownership of registration No. 83,395.
FOR PACKING-LINED METALLIC AND NON-METALLIC CAPS FOR BOTTLES, JARS, METAL CANS, AND THE LIKE.
Claims use since Dec. 2, 1910.

CLASS 55

SERVICES

Ser. No. 531,698. NATIONAL GEOGRAPHIC SOCIETY, Washington, D. C. Filed Aug. 18, 1947. SERVICE MARK. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 133,170, 242,080, and 261,240.
FOR EXPLORING AND DISCOVERING, GATHERING, COMPILING AND DISSEMINATING KNOWLEDGE OF THE SCIENCE OF THE EARTH AND ITS LIFE, EMBRACING THE LAND, THE SEA AND THE AIR, WITH PARTICULAR EMPHASIS ON GEOGRAPHICAL, EDUCATIONAL, SCIENTIFIC, NATURAL, COSMIC, ECONOMIC AND HISTORICAL SUBJECTS.
Claims use since 1888.

Ser. No. 539,168. ISABEL T. HILL, doing business as Proxy Parents, New York, N. Y. Filed Oct. 27, 1947. SERVICE MARK.

PROXY PARENTS

FOR THE SERVICES OF SUPPLYING PART-TIME COMPANIONS, NURSES, ATTENDANTS, AND ESCORTS FOR CHILDREN, INSTRUCTING YOUNG MOTHERS IN CHILDREN'S CARE; PLANNING AND MANAGING CHILDREN'S PARTIES AND ACTING AS COMPANIONS AND CHAPERONS FOR CHILDREN OF ALL AGES.
Claims use since Apr. 1, 1939.

Ser. No. 542,513. ALBERT R. BENUA, Westerville, Ohio. Filed Nov. 28, 1947. SERVICE MARK.

BENDALE FARMS

FOR BREEDING OF REGISTERED CATTLE, PARTICULARLY JERSEY CATTLE, AND IN THE BREEDING OF COCKER SPANIELS, SUCH BREEDING INCLUDING THE LETTING OF ANIMALS FOR STUD.
Claims use since 1933.

Ser. No. 548,525. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1948. SERVICE MARK.

Applicant claims ownership of registrations Nos. 167,591, 253,286, 281,281, 310,781, 378,399, 394,427, 402,468, and 436,793.
FOR GLOBAL RADIOTELEGRAPH COMMUNICATION SERVICE BOTH LAND AND SEA; COMMERCIAL RADIOPHOTO SERVICE; PROGRAM TRANSMISSION SERVICE; AND FREQUENCY MEASUREMENT SERVICE.
Claims use since 1920.

Ser. No. 548,526. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 31, 1948. SERVICE MARK.

Via RCA

Applicant claims ownership of registrations Nos. 167,591, 253,286, 281,281, 310,781, 378,399, 394,427, 402,468, and 436,793.
FOR GLOBAL RADIOTELEGRAPH COMMUNICATION SERVICE BOTH LAND AND SEA.
Claims use since 1923.

441,851. VIBRATION-CONTROL AND NOISE-CONTROL

441,865. OINTMENT. VODOL COMPANY, Chicago, Ill.,

TRADE-MARK REGISTRATIONS GRANTED
ACT OF 1905

441,830. NOVELTIES AND SPECIALTIES OF VARIOUS KINDS—NAMELY, NECKLACES MADE OF NUTS, WOOD, CORN, ANIMAL HORN, BONE, LEATHER, AND COMBINATIONS THEREOF, ETC. LE ROY SHANE, Topeka, Kans.
Filed May 20, 1943, Serial No. 460,775. Published Oct. 23, 1945. Class 28.

441,831. HOG FEED AND OVERHEAD CONVEYOR TYPE LITTER CARRIERS, ROTARY WHEEL HOG OILERS, MILKING MACHINES, HEAD TRAP TYPE HOG CATCHERS, FENCE STRETCHERS, CHAIN HOISTS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Nov. 17, 1943, Serial No. 465,082. Published Oct. 5, 1948. Class 23.

441,832. TANKS FITTED WITH LEAD LINES, VALVES AND FOR THE INDIVIDUAL CONTAINERS FOR CHEMICAL AGENTS WHICH FORM A PART OF AND ARE CONNECTED WITH SUCH TANKS IN A SYSTEM FOR FILTERING AND SOFTENING WATER. GRAY & CO., Minneapolis, Minn.
Filed Mar. 14, 1945, Serial No. 480,902. Published Sept. 7, 1948. Class 31.

441,833. TANKS FITTED WITH LEAD LINES, VALVES AND FOR THE INDIVIDUAL CONTAINERS FOR CHEMICAL AGENTS WHICH FORM A PART OF AND ARE CONNECTED WITH SUCH TANKS IN A SYSTEM FOR FILTERING AND SOFTENING WATER. GRAY & CO., Minneapolis, Minn.
Filed Mar. 14, 1945, Serial No. 480,903. Published Sept. 7, 1948. Class 31.

441,834. OIL CLARIFIERS AND EQUIPMENT AND PARTS THEREFOR, INCLUDING CLARIFIED REFILLS, FOR USE AS ACCESSORY TO INTERNAL COMBUSTION AND OTHER MOTORS, PUMPS, MACHINES AND THE LIKE. BRIGGS CLARIFIER COMPANY, Washington, D. C., assignor to The Briggs Filtration Company, Bethesda, Md., a corporation of Maryland.
Filed Aug. 17, 1945, Serial No. 487,166. Published Oct. 5, 1948. Class 31.

441,835. CHILI POWDER, CHILI PEPPERS (GROUND), CHILI PEPPERS (WHOLE PODS), GROUND OR FLAKED DEHYDRATED ONION, GROUND OR FLAKED DEHYDRATED GARLIC, PAPRIKA, AND SPICES. CHILI PRODUCTS CORPORATION, LTD., Los Angeles, Calif.
Filed Oct. 13, 1945, Serial No. 489,898. Published Apr. 22, 1947. Class 46.

441,836. MEDICAL AND DENTAL RADIOGRAPHIC AND FLUOROSCOPIC MACHINES AND APPARATUS FOR TAKING AND PROJECTING X-RAY PHOTOGRAPHS. X-RAY PRODUCTS CORPORATION, Los Angeles, Calif.
Filed Dec. 28, 1945, Serial No. 493,991. Published Oct. 5, 1948. Class 44.

441,837. SPORTING GOODS—NAMELY, BAR BELLS AND DUMB-BELLS, ETC. HEALTHWAYS, Los Angeles, Calif.
Filed Mar. 2, 1946, Serial No. 497,541. Published Sept. 21, 1948. Class 22.

441,838. WATER SOLUBLE SYNTHETIC RESINS, FOR GENERAL USE IN THE INDUSTRIAL ARTS. SHARPLES CHEMICALS INC., Philadelphia, Pa.
Filed Mar. 2, 1946, Serial No. 497,572. Published Oct. 26, 1948. Class 1.

441,839. MEDICINAL PREPARATION CONTAINING VITAMIN A. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Mar. 29, 1946, Serial No. 499,247. Published Mar. 11, 1947. Class 6.

441,840. DRENCH FOR VETERINARY USE. FORT DODGE LABORATORIES, INC., Fort Dodge, Iowa.
Filed Apr. 11, 1946, Serial No. 500,000. Published Nov. 26, 1946. Class 6.

441,841. TOYS, COMPRISING CONSTRUCTION AND PLAY BLOCKS, PULL TOYS, DOLL HOUSES AND FURNITURE, AND EDUCATIONAL TOYS COMPRISING ALPHABETICAL BLOCKS, TOY CLOCKS, TOY RADIO SETS, AND TOY TRAIN SETS. ARTOYS INC., Brooklyn, N. Y.
Filed Apr. 23, 1946, Serial No. 500,729. Published Sept. 21, 1948. Class 22.

441,842. ARTICLES FORMED OF GLASS—NAMELY, TUMBLERS AND GLASSES, VASES, BOWLS, DECANTERS, DISHES, SHAKERS, WINE SETS, AND CORDIAL SETS. SPAULDING & COMPANY, Chicago, Ill.
Filed Apr. 24, 1946, Serial No. 500,842. Published Sept. 7, 1948. Class 33.

441,843. ABSORBENT BED PADS MADE OF GAUZE-COVERED ABSORBENT PAPER FOR HOSPITAL BEDS. MINNIE CUNNINGHAM, San Mateo, Calif.
Filed Apr. 30, 1946, Serial No. 501,166. Published Oct. 12, 1948. Class 44.

441,844. FUMIGANTS, FOR USE AS PARASITICIDES—NAMELY, INSECTICIDES, FUNGICIDES, AND PLANT BACTERICIDES. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky.
Filed Apr. 30, 1946, Serial No. 501,216. Published Mar. 30, 1948. Class 6.

441,845. WATCHES. MT. VERNON WATCH CO., INC., New York, N. Y.
Filed May 4, 1946, Serial No. 501,468. Published Oct. 19, 1948. Class 27.

441,846. SPECIAL DEVICE COATED WITH DDT CRYSTALS FOR USE AS AN INSECTICIDE. JOSEPH W. LAWLOR, doing business as Atlantic Cable Splicing Co., Montrose, Calif.
Filed May 18, 1946, Serial No. 501,991.. Published Oct. 19, 1948. Class 6.

441,847. OLIVE OIL. GIACOMO FOTI, doing business as Rosa Food Products Co., Philadelphia, Pa.
Filed May 20, 1946, Serial No. 502,433. Published Sept. 28, 1948. Class 46.

441,848. TIRE INFLATION AND FIRE EXTINGUISHING UNIT COMPRISED OF A CYLINDER FILLED WITH COMPRESSED CARBON DIOXIDE. POWER-PAK PRODUCTS INC., Buffalo, N. Y.
Filed May 27, 1946, Serial No. 502,841. Published Mar. 25, 1947. Class 23.

441,849. SCREW MACHINE ATTACHMENT FOR A LATHE. DUNN ENGINEERING COMPANY, Detroit, Mich.
Filed July 13, 1946, Serial No. 505,564. Published Sept. 28, 1948. Class 23.

441,850. DEHUMIDIFYING UNITS FOR REMOVING MOISTURE FROM AIR. THOMAS H. URDAHL, Orlando, Fla., assignor to Dry Air Products Corporation, Orlando, Fla.
Filed July 16, 1946, Serial No. 505,718. Published Dec. 16, 1947. Class 34.

441,851. VIBRATION-CONTROL AND NOISE-CONTROL BLOCKS INTENDED FOR THE PROTECTION OF BUSINESS MACHINES. JARDINE ASSOCIATES, INC., New York, N. Y.
Filed July 17, 1946, Serial No. 505,753. Published Sept. 28, 1948. Class 23.

441,852. BOWLING PINS. MONUMENTAL BOWLING AND BILLIARD SUPPLY COMPANY, Baltimore, Md.
Filed July 24, 1946, Serial No. 506,188. Published Oct. 8, 1946. Class 22.

441,853. TOY MODEL KITS FOR USE IN BUILDING MODEL AIRPLANES, TRAINS, AND VEHICLES. CRAFTO INC., Denver, Colo.
Filed July 29, 1946, Serial No. 506,427. Published Sept. 21, 1948. Class 22.

441,854. CLEANING FLUID FOR CLEANING AND TREATING FURS. I. J. FOX, INC., New York, N. Y.
Filed July 31, 1946, Serial No. 506,591. Published Oct. 5, 1948. Class 4.

441,855. BOWLING BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed Aug. 2, 1946, Serial No. 506,729. Published Oct. 8, 1946. Class 22.

441,856. PIANOS. KOHLER & CAMPBELL, INC., New York, N. Y.
Filed Aug. 10, 1946, Serial No. 507,190. Published Oct. 5, 1948. Class 36.

441,857. VARIOUS TYPES OF EVAPORATORS ADAPTED FOR USE IN FOOD, PHARMACEUTICAL, CHEMICAL, METALLURGICAL, PAPER, AND OTHER PROCESS INDUSTRIES—NAMELY, CALANDRIA EVAPORATORS, ETC. WHITING CORPORATION, Harvey, Ill.
Filed Sept. 5, 1946, Serial No. 508,560. Published Sept. 28, 1948. Class 23.

441,858. DEHUMIDIFYING UNITS FOR REMOVING MOISTURE FROM AIR. THOMAS H. URDAHL, Orlando, Fla., assignor to Dry Air Products Corporation, Orlando, Fla.
Filed Sept. 16, 1946, Serial No. 509,184. Published Dec. 16, 1947. Class 34.

441,859. DRIVING AXLES FOR VEHICLES. MACK MANUFACTURING CORPORATION, New York, N. Y.
Filed Sept. 17, 1946, Serial No. 509,227. Published Sept. 28, 1948. Class 23.

441,860. CALAMINE LOTION FOR EXTERNAL APPLICATION TO THE SKIN IN RELIEVING LOCAL SKIN ABRASIONS AND IRRITATIONS, AND MINERAL OIL FOR MEDICINAL PURPOSES, TAKEN INTERNALLY. UNIT LABORATORIES, INC., Beaumont, Tex.
Filed Sept. 26, 1946, Serial No. 509,802. Published Sept. 14, 1948. Class 6.

441,861. FRESH VEGETABLES—NAMELY, GREEN ONIONS. A. V. RIANDA, JR., Salinas, Calif.
Filed Oct. 18, 1946, Serial No. 511,110. Published May 18, 1948. Class 46.

441,862. WATCHES, WATCH MOVEMENTS, WATCH-CASES, AND PARTS THEREOF. R. GSELL & CO., INC., New York, N. Y.
Filed Oct. 19, 1946, Serial No. 511,150. Published Oct. 12, 1948. Class 27.

441,863. RUNNING STITCH SEWING MACHINES, MACHINES FOR GLOVE SEWING AND ORNAMENTAL STITCHING, AND PARTS AND ACCESSORIES PERTAINING TO SUCH MACHINES, ETC. AMERICAN MACHINE AND FOUNDRY COMPANY, Brooklyn, N. Y.
Filed Nov. 9, 1946, Serial No. 512,305. Published Sept. 28, 1948. Class 23.

441,864. WATCHES AND PARTS THEREOF. ZODIAC S. A., La Chaux-de-Fonds and Le Locle, Switzerland.
Filed Nov. 30, 1946, Serial No. 513,546. Published Oct. 5, 1948. Class 27.

441,865. OINTMENT. VODOL COMPANY, Chicago, Ill., now by change of name Vodine Company, a corporation of Illinois, assignor to Benjamin Clayton, San Marino, Calif.
Filed Dec. 11, 1946, Serial No. 514,077. Published Sept. 23, 1947. Class 6.

441,866. COSMETICS AND TOILET PREPARATIONS—NAMELY, FACE POWDER, CLEANSING CREAMS, EXTRA RICH NIGHT CREAMS, DRY SKIN MIXTURES, HAIR AND SCALP PREPARATIONS. BLANCHE DUNLAP GLASS, doing business as Brown Palace Beauty Salon, Denver, Colo.
Filed Dec. 14, 1946, Serial No. 514,271. Published Oct. 19, 1948. Class 6.

441,867. PERFORATED SHEETS OF METAL, FOR MAKING LIGHTING FIXTURES, ILLUMINATED SIGNS, AND TRANSPARENCIES. THE SIGHT LIGHT CORPORATION, Deep River, Conn., assignor to Leroy C. Doane, Essex, Conn.
Filed Dec. 14, 1946, Serial No. 514,308. Published Sept. 21, 1948. Class 14.

441,868. NON-ELECTRICAL PHONOGRAPHS, AND MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE WIRE, DISC, OR TAPE TYPE. ANGLOPHONE RECORDINGS, INC., New York, N. Y.
Filed Jan. 24, 1947, Serial No. 516,247. Published Oct. 19, 1948. Class 36.

441,869. ARTICLES MADE OF CHINA, SEMI PORCELAIN AND POTTERY—NAMELY, DINNER AND BREAKFAST SETS, BOWLS, POTS, AND BAKING DISHES. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed Jan. 28, 1947. Under the act of Feb. 20, 1905, as amended June 10, 1938. Serial No. 516,501. Published Oct. 19, 1948. Class 30.

441,870. NICKEL ALLOY IN THE FORM OF WIRE, STRIPS, BARS, BILLETS, AND SHAPES. THE CARPENTER STEEL COMPANY, Reading, Pa.
Filed Feb. 7, 1947, Serial No. 517,117. Published Sept. 21, 1948. Class 14.

441,871. CHEMICAL WETTING AGENTS, EMULSIFIERS FOR PAINTS, VARNISHES, RESINS, AND OILS. ADVANCE SOLVENTS & CHEMICAL CORPORATION, New York, N. Y.
Filed Feb. 18, 1947, Serial No. 517,687. Published Oct. 12, 1948. Class 6.

441,872. WATCHES, CLOCKS, AND PARTS THEREOF; WATCHCASES, WATCH AND CLOCK DIALS. GREYGOR WATCH CO., New York, N. Y.
Filed Feb. 18, 1947, Serial No. 517,720. Published Oct. 19, 1948. Class 27.

441,873. ANIMAL BAIT IN THE NATURE OF A LURE. ANIMAL TRAP COMPANY OF AMERICA, Lititz, Pa.
Filed Feb. 21, 1947, Serial No. 517,880. Published Sept. 21, 1948. Class 22.

441,874. JEWELRY FOR PERSONAL ADORNMENT (NOT INCLUDING WATCHES)—NAMELY, NECKLACES, BRACELETS, BROOCHES, LAVALIERS, EARRINGS AND PENDANTS, ALL MADE OF PRECIOUS, OR PLATED WITH PRECIOUS METAL. HARRY MORRIS ASSOCIATES, Chicago, Ill.
Filed Mar. 4, 1947, Serial No. 518,473. Published Feb. 10, 1948. Class 28.

441,875. LIQUID FOR LOOSENING POSTAGE STAMPS FROM ENVELOPES OR OTHER PAPERS. SARA H. UPTEGRAFF, doing business under the name and style of Stampoff, Lewiston, N. Y.
Filed Mar. 24, 1947, Serial No. 519,499. Published Oct. 5, 1948. Class 6.

441,876. PREPARATIONS EXHIBITING ANTISPASMODIC AND ANTIHISTAMINIC ACTIVITY. HOFFMAN-LA ROCHE INC., Nutley, N. J.
Filed Apr. 22, 1947, Serial No. 521,132. Published Nov. 11, 1947. Class 6.

441,893. (CLASS 38. PRINTS AND PUBLICATIONS.)

441,877. COLD REMEDY. MORRIS D. ZALOWITZ, doing business as Chirothesy Enterprises, Los Angeles, Calif.
Filed June 3, 1947, Serial No. 523,724. Published Oct. 19, 1948. Class 6.

441,878. WATCHES, WATCH MOVEMENTS AND PARTS THEREOF, AND WATCHCASES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed June 7, 1947, Serial No. 523,766. Published Oct. 12, 1948. Class 27.

441,879. STUFFED TOYS—NAMELY, STUFFED DOLLS AND ANIMAL FIGURES. J. SWEDLIN, INC., New York, N. Y.
Filed June 11, 1947, Serial No. 524,027. Published Sept. 21, 1948. Class 22.

441,880. FARM IMPLEMENTS OF ALL KINDS: SPECIFICALLY: PLOWS—NAMELY, WALKING PLOWS, BRUSH BREAKERS, ROAD PLOWS, SULKY PLOWS, GANG PLOWS, DISC PLOWS, TRACTORS, TRACTOR MOULDBOARD PLOWS, TRACTOR DISC PLOWS, PLOW SHARES, PLOW BOTTOMS; CORN AND COTTON PLANTERS; ETC. COCKSHUTT PLOW COMPANY, LIMITED, Brantford, Ontario, Canada.
Filed June 18, 1947, Serial No. 524,376. Published Oct. 5, 1948. Class 23.

441,881. WATCHES. THE HECHT CO., Washington, D. C., also doing business as Hecht Bros., New York, N. Y., and the Hub, Baltimore, Md.
Filed June 23, 1947, Serial No. 524,653. Published Jan. 6, 1948. Class 27.

441,882. CLOCKS, TIME CLOCKS, CONTROL CLOCKS, AND CLOCK CONTROLLED SIGNAL SELECTORS. SELF WINDING CLOCK COMPANY, INC., Brooklyn, N. Y.
Filed June 24, 1947, Serial No. 524,726. Published Oct. 12, 1948. Class 27.

441,883. MIXER STRAINERS WHICH ARE HOUSEHOLD KITCHEN TOOLS FOR SIFTING FLOUR AND STRAINING VEGETABLE PULP AND FOR STRAINING LIQUIDS GENERALLY, EACH OF SAID MIXER STRAINERS COMPRISING A WIRE MESH BOWL WITH LATERALLY EXTENDING HANDLE TO HOLD SAME IN HAND OVER A POT, ETC. AUTOMATIC WIRE GOODS MFG. CO. INC., New York, N. Y.
Filed June 30, 1947, Serial No. 525,177. Published Oct. 5, 1948. Class 23.

441,884. FINGER RINGS. ROSENTHAL & KAPLAN, New York, N. Y.
Filed July 2, 1947, Serial No. 525,683. Published Oct. 19, 1948. Class 28.

441,885. ALLOYS FOR USE IN PREPARING, AND IN, DENTAL CASTINGS. YETTA COHEN, doing business as The Penafax Company, Philadelphia, Pa.
Filed July 3, 1947, Serial No. 525,791. Published Sept. 28, 1948. Class 44.

441,886. ELECTRO-THERAPEUTIC APPLIANCES—NAMELY, APPARATUS EMBODYING A CONTROL PANEL AND ELECTRODES FOR THE APPLICATION OF ELECTRICITY TO THE HUMAN BODY FOR USE IN THE TREATMENT OF RHEUMATISM AND ALLIED COMPLAINTS. PERCIVAL LYONS, Hove, England.
Filed June 5, 1947, Serial No. 526,328. Published Oct. 5, 1948. Class 44.

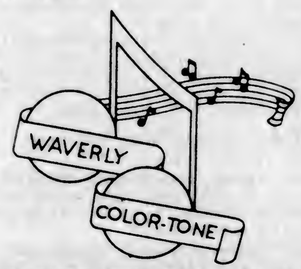
ACT OF 1920

These registrations are not subject to opposition.

441,887. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) BEVERLY SHEA, Western Springs, Ill.
Filed June 18, 1945, Serial No. 484,714.

FOR PHONOGRAPH RECORDS OF THE MECHANICALLY GROOVED TYPE.
Claims use since Oct. 15, 1943.

441,888. (CLASS 33. GLASSWARE.) WAVERLY GLASS COMPANY, New York, N.Y. Filed July 27, 1946, Serial No. 506,402.



FOR TUMBLERS, STEMWARE, JUGS, AND DECANTERS, ALL MADE OF GLASS.
Claims use since July 1, 1946.

441,889. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ERNEST SCHERER, doing business as Scherer's Rolup Ink Co., Minneapolis, Minn. Filed Sept. 3, 1946, Serial No. 508,443.

SCHERER'S

FOR ACID RESISTING PAINT ENAMEL FOR MAKING PHOTO ENGRAVINGS.
Claims use since July 1, 1937.

441,890. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) J. CLAYTON CRIDLEBAUGH, doing business as The Marvel Co., Santa Rosa, Calif. Filed Jan. 10, 1947, Serial No. 515,545.

FOR ANTI-PICKING DEVICES FOR POULTRY IN THE NATURE OF A GUARD.
Claims use since Sept. 1, 1934.

441,891. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LELAND J. ARMS, San Francisco, Calif.
Filed Mar. 18, 1947, Serial No. 519,161.

POSTAL LIBRARY

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Jan. 23, 1946.

441,892. (CLASS 38. PRINTS AND PUBLICATIONS.) WATT PUBLISHING COMPANY, Mount Morris, Ill. Filed Apr. 21, 1947, Serial No. 521,099.

Pacific POULTRYMAN

FOR MONTHLY MAGAZINE RELATING TO THE POULTRY INDUSTRY.
Claims use since January 1896.

441,893. (CLASS 38. PRINTS AND PUBLICATIONS.) STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed Apr. 23, 1947, Serial No. 521,221.

STREET AND SMITH'S WESTERN STORY

FOR MAGAZINE.
Claims use since May 31, 1940.

441,894. (CLASS 38. PRINTS AND PUBLICATIONS.) STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed Apr. 23, 1947, Serial No. 521,222.

Astounding SCIENCE FICTION

FOR MAGAZINE.
Claims use since Feb. 16, 1938.

441,895. (CLASS 38. PRINTS AND PUBLICATIONS.) SHERRY PUBLISHING COMPANY, INC., New York, N. Y.
Filed May 14, 1947, Serial No. 522,383.

JEWELERS' BUYERS GUIDE FOR THE RETAIL JEWELERS

FOR PERIODICAL PUBLICATION.
Claims use since September 1944.

ACT OF 1946, PRINCIPAL REGISTER

505,665. LUBRICATING OILS AND GREASES. CENTRAL PETROLEUM COMPANY, Cleveland, Ohio.
Filed Sept. 23, 1947; originally filed, act of 1905, July 13, 1945, Serial No. 485,751. Published Sept. 7, 1948. Class 15.

505,666. FERROUS SHEETS, STRIPS, BARS, ANGLES FOR GENERAL USE, PLATES, RAILS, AND RAILWAY TIE PLATES AND SPLICE BARS. INLAND STEEL COMPANY, Chicago, Ill.
Filed Sept. 5, 1947; originally filed, act of 1905, Jan. 4, 1946, Serial No. 494,273. Published Sept. 21, 1948. Class 14.

505,667. STEEL USED FOR DIE BLOCKS, HOT AND COLD TRIMMER DIES, HOT AND COLD COINING DIES, HOT AND COLD FORMING ROLLS IN FORGING MACHINES, HAMMERS AND PRESSES, STRAIGHTENING ROLLS. A. FINKL & SONS COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Jan. 9, 1946, Serial No. 494,490. Published Sept. 21, 1948. Class 14.

505,668. PLYWOOD. SOUTHERN BOX AND LUMBER COMPANY, Wilmington, N. C.
Filed Aug. 18, 1947; originally filed, act of 1905, Jan. 26, 1946, Serial No. 495,517. Published Sept. 7, 1948. Class 12.

505,669. PACKAGED ADSORBENT MATERIAL FOR ADSORBING EXCESS MOISTURE. POROCEL CORPORATION, Wilmington, Del., and Philadelphia, Pa.
Filed Nov. 5, 1947; originally filed, act of 1905, Feb. 19, 1946, Serial No. 496,921. Published Oct. 5, 1948. Class 6.

505,670. PRESSURE SENSITIVE ADHESIVE SHEETS USED TO PROTECT DOCUMENTS FOR MENDING AND PROTECTION PURPOSES. BEUTEX CORPORATION, Perth Amboy, N. J.
Filed Nov. 21, 1947; originally filed, Act of 1905, Apr. 4, 1947, Serial No. 498,060. Published Oct. 5, 1948. Class 5.

505,671. BASE METAL KNIVES, FORKS, SPOONS, CORKSCREWS, AND BOTTLE OPENERS. GEORG JENSEN INC., New York, N. Y.
Filed Dec. 24, 1947; originally filed, act of 1905, June 21, 1946, Serial No. 504,360. Published Sept. 28, 1948. Class 23.

505,672. LUBRICATING OILS FOR MACHINERY. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill.
Filed July 12, 1947; originally filed, act of 1905, June 26, 1946, Serial No. 504,618. Published Sept. 14, 1948. Class 15.

505,673. WATCHES—NAMELY, WRIST AND STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 19, 1947; originally filed, act of 1905, Sept. 9, 1946, Serial No. 508,710. Published Oct. 19, 1948. Class 27.

505,674. VAGINAL JELLY. HOLLAND-RANTOS COMPANY, INC., New York, N. Y.
Filed Oct. 18, 1947; originally filed, act of 1905, Sept. 19, 1946, Serial No. 509,343. Published Oct. 5, 1948. Class 6.

505,675. VARIOUS COMPOSITIONS CONTAINING CHEMICAL INGREDIENTS FOR SEALING ENGINE BLOCKS; SEALING LEAKS IN AUTOMOBILE RADIATORS, ETC. CARL J. BARTON, doing business as Barton Products Co., Chicago, Ill.
Filed Mar. 9, 1948; originally filed, act of 1905, Oct. 14, 1946, Serial No. 510,824. Published Oct. 19, 1948. Class 6.

505,676. VITAMIN PREPARATIONS—NAMELY, VITAMIN B COMPLEX; VITAMIN B COMPLEX WITH LIVER AND IRON; VITAMIN B COMPLEX WITH VITAMIN C AND LIVER, ETC. STAYNER CORPORATION, Berkeley, Calif.
Filed Aug. 26, 1947; originally filed, act of 1905, Nov. 12, 1946, Serial No. 512,463. Published Sept. 14, 1948. Class 6.

505,677. PEAT MOSS FOR USE AS HUMUS OR SOIL CONDITIONER. PEAT MOSS SALES CORPORATION, New York, N. Y.
Filed Sept. 29, 1947; originally filed, act of 1905, Nov. 25, 1946, Serial No. 513,200. Published Sept. 7, 1948. Class 10.

505,678. METAL WORKING LATHES. GISHOLT MACHINE COMPANY, Madison, Wis.
Filed July 15, 1947; originally filed, act of 1905, Dec. 7, 1946, Serial No. 513,881. Published June 22, 1948. Class 23.

505,679. RUBBER TIRES FOR VEHICLES, BICYCLES, AND AUTOMOBILES, BOTH SOLID AND PNEUMATIC; INNER TUBES FOR PNEUMATIC TIRES, PLASTERS AND PATCHES THEREFOR, TIRE COVERS AND TIRE BOOTS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed Jan. 5, 1948; originally filed, act of 1905, Dec. 12, 1946, Serial No. 514,134. Published Oct. 12, 1948. Class 35.

505,680. THIN FLEXIBLE PLASTIC SHEETS DESIGNED FOR A VARIETY OF NON-ASSOCIATED USES. THE VISKING CORPORATION, Chicago, Ill., and Richmond, Va.
Filed July 5, 1947; originally filed, act of 1905, Dec. 17, 1946, Serial No. 514,452. Published Oct. 5, 1948. Class 1.

505,681. CHEMICAL PRODUCTS DERIVED FROM CORN—NAMELY, MODIFIED WHOLE PROTEIN FROM CORN GLUTEN AND ZEIN—FOR ADHESIVE PURPOSES. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Sept. 15, 1947; originally filed, act of 1905, Dec. 28, 1946, Serial No. 514,940. Published Oct. 19, 1948. Class 5.

505,682. LAMINATED SAFETY SHEET AND PLATE GLASS. SHATTERPROOF GLASS CORPORATION, Detroit, Mich.
Filed July 14, 1947; originally filed, act of 1905, Jan. 22, 1947, Serial No. 516,152. Published Sept. 14, 1948. Class 33.

505,683. THERMAL REFLECTIVE INSULATION MATERIALS — NAMELY, REENFORCED COATED HEAT-REFLECTIVE PAPER SHEETS, ETC. SILVERCOTE PRODUCTS, INC., Chicago, Ill.
Filed Aug. 18, 1947; originally filed, act of 1905, Feb. 1, 1947, Serial No. 516,796. Published Aug. 31, 1948. Class 12.

505,684. CARBON PAPER AND TYPEWRITER RIBBONS. CODO MANUFACTURING CORP., Coraopolis, Pa., and Chicago, Ill.
Filed Jan. 7, 1948; originally filed, act of 1905, Feb. 14, 1947, Serial No. 517,456. Published Oct. 5, 1948. Class 11.

505,685. ABERDEEN-ANGUS CATTLE. OTTO V. BATTLES, Los Olivos, Calif.
Filed Nov. 20, 1947; originally filed, act of 1905, Feb. 27, 1947, Serial No. 518,195. Published Oct. 5, 1948. Class 1.

505,686. BURNER SYSTEMS FOR GAS STOVES AND RANGES COMPRISING BURNERS, VALVES, AND LIGHTERS. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 6, 1947, Serial No. 518,596. Published Oct. 12, 1948. Class 34.

505,687. GAS VALVES FOR GAS STOVE AND GAS RANGE BURNERS. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 8, 1947, Serial No. 518,723. Published Oct. 12, 1948. Class 34.

505,688. GAS BURNERS AND PARTS THEREOF FOR GAS STOVES AND GAS RANGES. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,951. Published Sept. 28, 1948. Class 34.

505,689. LEMON CREAM FOR USE AS A COSMETIC SKIN CREAM. MORTON MANUFACTURING CORPORATION, doing business as Snow White Products Company, Lynchburg, Va.
Filed Dec. 18, 1947; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,761. Published Oct. 19, 1948. Class 6.

505,690. MOTOR LUBRICATING OIL. ILLINOIS FARM SUPPLY COMPANY, Chicago, Ill.
Filed Jan. 6, 1948; originally filed, act of 1905, May 7, 1947, Serial No. 522,009. Published Sept. 14, 1948. Class 15.

505,691. LAUNDRY STARCH. THE PERFEX COMPANY, Shenandoah, Iowa.
Filed Dec. 18, 1947; originally filed, act of 1905, June 2, 1947, Serial No. 523,418. Published Oct. 12, 1948. Class 6.

505,692. MOTOR LUBRICATING OIL. FRONTIER OIL REFINING CORPORATION, Buffalo, N. Y.
Filed Apr. 5, 1948; originally filed, act of 1905, June 10, 1947, Serial No. 523,893. Published Oct. 12, 1948. Class 15.

505,693. HYDROCARBON SOLVENTS PREPONDERATELY COMPOSED OF AROMATIC HYDROCARBONS. VELSICOL CORPORATION, Chicago, Ill.
Filed Mar. 11, 1948; originally filed, act of 1905, July 2, 1947, Serial No. 525,717. Published Oct. 5, 1948. Class 6.

505,694. LIQUID CHEMICAL DEODORIZER, BLEACH, DISINFECTANT, AND STERILIZER. H. M. SINCLAIR, JR., Toledo, Ohio, trustee for The Sinclair Manufacturing Company.
Filed July 5, 1947, Serial No. 526,987. Published Mar. 30, 1948. Class 6.

505,695. SEWAGE TREATMENT EQUIPMENT—NAMELY, ROTARY DISTRIBUTORS HAVING REVOLVING SPRAY DISTRIBUTION ARMS FOR DEPOSITING SEWAGE ON A FILTER BED, SEWAGE SLUDGE DIGESTERS IN THE FORM OF TANKS HAVING COVERS AND ADAPTED TO RECEIVE AND STORE SEWAGE SLUDGE WHILE IT UNDERGOES BACTERIAL DECOMPOSITION KNOWN AS DIGESTION, ETC. PACIFIC FLUSH-TANK COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,141. Published Sept. 28, 1948. Class 23.

505,696. FERTILIZER. RUHM PHOSPHATE & CHEMICAL COMPANY, Mount Pleasant, Tenn.
Filed July 5, 1947, Serial No. 527,199. Published Sept. 28, 1948. Class 10.

505,697. LUBRICATING OILS AND GREASES. THE PURE OIL COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,282. Published Sept. 7, 1948. Class 15.

505,698. FERTILIZERS, MORE PARTICULARLY COMPLETE FERTILIZERS. JOHN R. SIMPLOT, Pocatello, Idaho.
Filed July 5, 1947, Serial No. 527,437. Published Sept. 28, 1948. Class 10.

505,699. FERTILIZERS, MORE PARTICULARLY AMMONIATED PHOSPHATE. JOHN R. SIMPLOT, Pocatello, Idaho.
Filed July 5, 1947, Serial No. 527,467. Published Sept. 28, 1948. Class 10.

505,700. FERTILIZERS, MORE PARTICULARLY SUPERPHOSPHATE. JOHN R. SIMPLOT, Pocatello, Idaho.
Filed July 5, 1947, Serial No. 527,468. Published Sept. 28, 1948. Class 10.

505,701. BATH SALTS. ROBERT H. CLARK, doing business as Robert H. Clark Company, Beverly Hills, Calif.
Filed July 5, 1947, Serial No. 527,534. Published Oct. 5, 1948. Class 6.

505,702. DAIRY PRODUCTS PROCESSING EQUIPMENT COMPRISING HOMOGENIZERS, MILK CONCENTRATORS, ICE CREAM BRICK CUTTERS, ICE CREAM PACKAGE FILLERS, AND ICE CREAM FRUIT FEEDERS. THE CREAMERY PACKAGE MFG. COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,591. Published Sept. 28, 1948. Class 23.

505,703. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 527,681. Published Sept. 14, 1948. Class 4.

505,704. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 528,016. Published Sept. 28, 1948. Class 4.

505,705. DRAWING ROOM GAME IN THE PLAYING OF WHICH THE PARTICIPANTS MANIPULATE TOKENS OR THE EQUIVALENT THEREOF ON A BOARD. ABE HENRY COHEN, Pittsburgh, Pa.
Filed July 7, 1947, Serial No. 528,086. Published Sept. 21, 1948. Class 22.

505,706. MECHANICAL RAZORS AND RAZOR BLADES. STANLY, INC., South Bend, Ind.
Filed July 8, 1947, Serial No. 528,115. Published Sept. 28, 1948. Class 23.

505,707. REFLECTIVE HEAT INSULATION MATERIALS—NAMELY, REINFORCED COATED HEAT-REFLECTIVE PAPER SHEET COATED ON ONE OR BOTH SIDES, ASPHALT LAMINATED SHEET WITH HEAT-REFLECTIVE COATED PAPER ON BOTH SIDES THEREOF, ETC. SILVERCOTE PRODUCTS, INC., Chicago, Ill.
Filed July 10, 1947, Serial No. 528,317. Published Aug. 31, 1948. Class 12.

505,708. ½ MONOPOTASSIUM PHOSPHATE AND ½ DIAMMONIUM PHOSPHATE FOR A STARTER SOLUTION FOR TRANSPLANTING VEGETABLES AND FRUITS. VICTOR CHEMICAL WORKS, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,543. Published Sept. 28, 1948. Class 10.

505,709. JEWELRY, NOT INCLUDING WATCHES—NAMELY, COLLAR PINS, COLLAR HOLDERS, COLLAR BUTTONS, BELT CHAINS, BELT BUCKLES, CUFF BUTTONS, SHIRT STUDS, TIE CLASPS, SCARF PINS, KEY CHAINS, TIE CHAINS, AND MONEY CLIPS MADE IN WHOLE OR IN PART OF PRECIOUS METALS. DOLAN & BULLOCK Co., Providence, R. I.
Filed July 16, 1947, Serial No. 528,705. Published Oct. 19, 1948. Class 28.

505,710. MECHANICALLY OPERATED DOMESTIC AND COMMERCIAL REFRIGERATORS COMPRISING WALK-IN COOLERS, REACH-IN CABINETS, AND CLOSED AND OPEN TYPE DISPLAY CASES, AND MECHANICALLY OPERATED LIQUID COOLERS. MCCRAY REFRIGERATOR COMPANY, Kendallville, Ind.
Filed July 16, 1947, Serial No. 528,732. Published Sept. 28, 1948. Class 31.

505,711. CHEMICALLY TREATED PARAFFIN FOR USE IN RESTORING FINISHING OILS TO AND IN SIZING SILK, WOOL, AND LIKE GARMENTS AFTER DRY CLEANING. COBAR LABORATORIES, INC., Akron, Ohio.
Filed July 17, 1947, Serial No. 528,778. Published Oct. 5, 1948. Class 6.

505,712. OYSTER COCKTAIL GLASSES, SHERBET GLASSES, GLASS TUMBLERS, AND OTHER GLASS ARTICLES—NAMELY, GOBLETS, JUGS, ICE TUBS, ICE TEA COASTERS, COLONIAL PERCOLATOR TOPS, AND CASTER CUPS. BARTLETT-COLLINS COMPANY, Sapulpa, Okla.
Filed July 19, 1947, Serial No. 528,906. Published Sept. 14, 1948. Class 33.

505,713. INSECTICIDES—TO WIT, INSECT SPRAY, INSECTICIDAL CONCENTRATES, AND INSECT POWDER. W. H. BULL MEDICINE COMPANY, St. Louis, Mo.
Filed July 19, 1947, Serial No. 528,908. Published Oct. 19, 1948. Class 6.

505,714. NICKEL PLATED STEEL BRACELETS. ALFRED L. WINKLER, doing business as A. L. Winkler Co., Detroit, Mich.
Filed July 19, 1947, Serial No. 528,976. Published Oct. 12, 1948. Class 28.

505,715. BITUMINOUS COAL. FRANKLIN COUNTY COAL CORPORATION, Chicago, Ill.
Filed July 21, 1947, Serial No. 528,999. Published Oct. 5, 1948. Class 1.

505,716. METAL BALLS USED IN GAMES, BEING ROLLING BALLS FOR USE IN PIN BALL MACHINES, PUZZLES, BOWLING GAMES, BASEBALL GAMES, HOCKEY GAMES, AND GOLF GAMES OF THE MACHINE TYPE. S K F INDUSTRIES, INC., Philadelphia, Pa., and elsewhere.
Filed July 21, 1947, Serial No. 529,091. Published Sept. 21, 1948. Class 22.

505,717. METAL BALLS USED IN GAMES, BEING ROLLING BALLS FOR USE IN PIN BALL MACHINES, PUZZLES, BOWLING GAMES, BASEBALL GAMES, HOCKEY GAMES, AND GOLF GAMES OF THE MACHINE TYPE. S K F INDUSTRIES, INC., Philadelphia, Pa., and elsewhere.
Filed July 21, 1947, Serial No. 529,094. Published Sept. 21, 1948. Class 22.

505,718. STEEL. INLAND STEEL COMPANY, Chicago, Ill.
Filed July 23, 1947, Serial No. 529,264. Published Sept. 21, 1948. Class 14.

505,719. SODA FOUNTAINS. ROBERT M. GREEN & SONS, INC., Philadelphia, Pa.
Filed July 26, 1947, Serial No. 529,638. Published Sept. 28, 1948. Class 23.

505,720. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,852. Published Oct. 5, 1948. Class 4.

505,721. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,854. Published Oct. 5, 1948. Class 4.

505,722. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,855. Published Oct. 5, 1948. Class 4.

505,723. MECHANICAL SIRENS. THE SIRENO COMPANY, INC., New York, N. Y.
Filed July 30, 1947, Serial No. 530,033. Published Sept. 28, 1948. Class 23.

505,724. MOTH PREVENTATIVE AND INSECTICIDE. GALBRE PRODUCTS CO., INC., New York, N. Y.
Filed Aug. 4, 1947, Serial No. 530,397. Published Oct. 5, 1948. Class 6.

505,725. ELECTRONIC MACHINES FOR USE IN THE TREATMENT OF MUSCULAR, ARTHRITIC, RHEUMATIC, AND SIMILAR AILMENTS OF THE BODY. SOUTHEASTERN DEVELOPMENT CORPORATION, Jacksonville, Fla.
Filed Aug. 4, 1947, Serial No. 530,443. Published Oct. 12, 1948. Class 44.

505,726. PLANT FOOD OR FERTILIZER. GEO. TAIT & SONS, INC., Norfolk, Va.
Filed Aug. 5, 1947, Serial No. 530,591. Published Sept. 28, 1948. Class 10.

505,727. LIQUID RADIATOR SOLDER. JULIUS GOLDNER, doing business as Warwick Laboratories Company, Brooklyn, N. Y.
Filed Aug. 9, 1947, Serial No. 530,932. Published Sept. 28, 1948. Class 6.

505,728. AUTOMOBILE AND BICYCLE TIRES AND TUBES, AND FAN BELTS. AFFILIATED RETAILERS, INC., New York, N. Y.
Filed Aug. 13, 1947, Serial No. 531,175. Published Oct. 5, 1948. Class 35.

505,730. BOTTLES AND JARS MADE OF GLASS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed Aug. 13, 1947, Serial No. 531,235. Published Oct. 12, 1948. Class 33.

505,730. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN R. GRAEF, INC., New York, N. Y.
Filed Aug. 15, 1947, Serial No. 531,465. Published Oct. 19, 1948. Class 27.

505,731. TUBES AND TIRES COMPOSED OF RUBBER AND RUBBER AND FABRIC; V-BELTS; PATCHES FOR TIRES AND TUBES; RUBBER AND FABRIC PACKING ROR TIRES AND TUBES; TIRE SECTIONS; CAMEL BACK TREAD SHEETS; TIRE BOOTS, RUBBER HOSE, ETC. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,598. Published Oct. 5, 1948. Class 35.

505,732. TUBES AND TIRES COMPOSED OF RUBBER AND RUBBER AND FABRIC; V-BELTS; PATCHES FOR TIRES AND TUBES; RUBBER AND FABRIC PACKING FOR TIRES AND TUBES; TIRE SECTIONS; CAMEL BACK TREAD SHEETS; TIRE BOOTS, RUBBER HOSE, ETC. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,601. Published Oct. 5, 1948. Class 35.

505,733. VEHICLE TIRES COMPOSED OF RUBBER AND FABRIC. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,606. Published Oct. 5, 1948. Class 35.

505,734. SILVER-PLATED FLAT-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Aug. 16, 1947, Serial No. 531,607. Published Aug. 24, 1948. Class 28.

505,735. FUEL PUMPS USED ON INTERNAL COMBUSTION ENGINES, ETC. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed Aug. 19, 1947, Serial No. 531,759. Published Sept. 28, 1948. Class 23.

505,736. CLEANSER FOR TERRAZZO, MARBLE, CEMENT, HARD TILE AND TRAVERTINE FLOORING. WALTER G. LEGGE COMPANY, INC., New York, N. Y.
Filed Aug. 22, 1947, Serial No. 532,140. Published Oct. 5, 1948. Class 4.

505,737. COFFEE BREWING URNS AND STOVES SPECIALLY ADAPTED FOR THE HEATING OR BREWING OF COFFEE. UNIVERSAL COFFEE COMPANY, Chicago, Ill.
Filed Aug. 22, 1947, Serial No. 532,178. Published Sept. 28, 1948. Class 34.

505,738. GRANULATED SOAP AND LAUNDRY SOAP. PAUL M. COOTER, doing business as The Cooter Company, Chicago, Ill.
Filed Aug. 26, 1947, Serial No. 532,429. Published Aug. 17, 1948. Class 4.

505,739. GUM ARABIC SOLUTION USED TO PROTECT LITHOGRAPHIC PLATES WHEN NOT IN USE, ETC. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 532,914. Published Oct. 19, 1948. Class 6.

505,740. GLASS JARS FOR USE IN PRESERVING FOODS. KERR GLASS MANUFACTURING CORPORATION, Sand Springs, Okla.
Filed Sept. 3, 1947, Serial No. 533,173. Published Sept. 7, 1948. Class 33.

505,741. CHEMICAL COMPOUND FOR USE AS A DRAIN CLEANER. SERVICE INDUSTRIES, Philadelphia, Pa.
Filed Sept. 4, 1947, Serial No. 533,409. Published Oct. 19, 1948. Class 6.

505,742. DETERGENTS FOR INDUSTRIAL USAGE—NAMELY, FOR CLEANING THE SURFACES OF GLASS, MARBLE, MASONRY, WOOD, AND ALL TYPES OF METAL. HAMPDEN COLOR AND CHEMICAL COMPANY, Springfield, Mass.
Filed Sept. 5, 1947, Serial No. 533,563. Published Oct. 5, 1948. Class 4.

505,743. AUTOMOBILE PLATE AND LAMINATED GLASS SOLD IN THE FORM OF RECTANGULAR SHEETS OR PLATES, AS WELL AS FINISHED PANES SHAPED TO SIZE FOR AUTOMOBILE WINDOW REPLACEMENT. GLOBE AUTO GLASS COMPANY, Chicago, Ill.
Filed Sept. 8, 1947, Serial No. 533,729. Published Sept. 14, 1948. Class 33.

505,744. FIELD SEEDS—NAMELY, SORGHUM, SORGO, CANE, SACCHARINE SORGHUM, AND NON-SACCHARINE SORGHUM. WACONIA SORGHUM COMPANY, Cedar Rapids, Iowa.
Filed Sept. 8, 1947, Serial No. 533,798. Published Aug. 10, 1948. Class 1.

505,745. FINGER RINGS. J. FIDDELMAN & SON, INC., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,099. Published Oct. 19, 1948. Class 28.

505,746. HERB TEA TO BE USED AS A LAXATIVE. JOHN E. RESPONDEK, doing business as Noxruma Products Co., Detroit, Mich.
Filed Sept. 11, 1947, Serial No. 534,190. Published Oct. 19, 1948. Class 6.

505,747. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, doing business as The Globe Soap Company, Cincinnati, Ohio.
Filed Sept. 12, 1947, Serial No. 534,339. Published Sept. 28, 1948. Class 4.

505,748. LUBRICATING OILS AND GREASES. THE OHIO OIL COMPANY, Findlay, Ohio.
Filed Sept. 13, 1947, Serial No. 534,460. Published Sept. 14, 1948. Class 15.

505,749. STERLING SILVER FLAT-WARE AND HOLLOW-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Sept. 17, 1947, Serial No. 534,785. Published Aug. 31, 1948. Class 28.

505,750. LUBRICATING MOTOR OILS. THE OHIO OIL COMPANY, Findlay, Ohio.
Filed Sept. 17, 1947, Serial No. 534,803. Published Oct. 5, 1948. Class 15.

505,751. MOTOR FUEL OIL, FUEL OIL FOR HEATING AND ILLUMINATING PURPOSES, LUBRICATING OILS, AND GREASES. THE OHIO OIL COMPANY, Findlay, Ohio.
Filed Sept. 17, 1947, Serial No. 534,804. Published Oct. 5, 1948. Class 15.

505,752. COAL. WEST KENTUCKY COAL COMPANY, Earlington, Ky.
Filed Sept. 17, 1947, Serial No. 534,846. Published Oct. 5, 1948. Class 1.

505,753. GROOVED PHONOGRAPH RECORDS. CATECHETICAL GUILD, St. Paul, Minn.
Filed Sept. 18, 1947, Serial No. 534,872. Published Oct. 5, 1948. Class 36.

505,754. TOP-OF-STOVE HEAT RESISTANT GLASS SAUCE PANS, DOUBLE BOILERS, TEA POTS, TEA KETTLES, DRIP COFFEE MAKERS, PERCOLATORS, VACUUM COFFEE MAKERS. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill.
Filed Sept. 23, 1947, Serial No. 535,884. Published Oct. 19, 1948. Class 33.

505,755. GLASS COOKINGWARE—NAMELY, VACUUM COFFEE MAKERS. CLUB ALUMINUM PRODUCTS COMPANY, Chicago, Ill.
Filed Sept. 23, 1947, Serial No. 535,387. Published Oct. 19, 1948. Class 33.

505,756. COPPER SHEET, COPPER IN ROLLS, COPPER WIRE, COPPER ANODES, BRASS SHEET, BRASS WIRE, ENGRAVERS' COPPER PLATES, COPPER AND BRASS RODS AND BARS. COPPER RANGE COMPANY, doing business under the name and style of C. G. Hussey & Company, Painesdale, Mich., and Pittsburgh, Pa.
Filed Sept. 24, 1947, Serial No. 535,490. Published Sept. 28, 1948. Class 14.

505,757. MOTOR LUBRICATING OILS. PENNSYLVANIA REFINING COMPANY, Butler, Pa.
Filed Sept. 30, 1947, Serial No. 536,280. Published Oct. 19, 1948. Class 15.

505,758. INHALERS. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed Oct. 3, 1947, Serial No. 536,717. Published Oct. 5, 1948. Class 44.

505,759. FACIAL CREAMS. ELMO, INC., Philadelphia, Pa.
Filed Oct. 7, 1947, Serial No. 537,026. Published Oct. 19, 1948. Class 6.

505,760. FACE PACKS. ELMO, INC., Philadelphia, Pa.
Filed Oct. 7, 1947, Serial No. 537,027. Published Oct. 19, 1948. Class 6.

505,761. POWDER OF IRON OR OTHER BASE METAL FOR USE IN METAL POWDER COMPACTING, CHEMICAL REDUCTION, AND CONCRETE FLOOR HARDENING. GEORGE COHEN SONS & COMPANY LIMITED, London, England.
Filed Oct. 8, 1947, Serial No. 537,157. Published Sept. 21, 1948. Class 14.

505,762. RUBBING ALCOHOL COMPOUND, VITAMIN B1, SYRUP OF COCILLANA, MINERAL OIL, ASPIRIN, HAIR TONIC, AFTER SHAVE LOTION, WAVE SET AND EPSOM SALTS. NATIONAL PACKAGE DRUGS, INC., St. Louis, Mo.
Filed Oct. 8, 1947, Serial No. 537,220. Published Oct. 12, 1948. Class 6.

505,763. ARTIFICIAL LIMB PARTS—NAMELY, BELOW KNEE JOINTS, ANKLE JOINTS, BACK CHECKS FOR ABOVE KNEE LIMBS, KNEE JOINTS FOR ABOVE KNEE LIMBS, AND FOR STUMP SOCKS. W. E. ISLE COMPANY, also doing business under the name and style of Knit-Rite Company, Kansas City, Mo.
Filed Oct. 9, 1947, Serial No. 537,379. Published Oct. 26, 1948. Class 44.

505,764. METAL LATH. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed Oct. 10, 1947, Serial No. 537,529. Published Sept. 7, 1948. Class 12.

505,765. SHEET STEEL AND ENAMELING IRON SHEETS. THE NILES ROLLING MILL COMPANY, Niles, Ohio.
Filed Oct. 13, 1947, Serial No. 537,719. Published Sept. 21, 1948. Class 14.

505,766. MEDICAMENTS FOR USE IN VETERINARY THERAPEUTICS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed Oct. 16, 1947, Serial No. 538,049. Published Oct. 5, 1948. Class 6.

505,767. HYBRID SEED CORN. THOMPSON HYBRID CORN COMPANY, INC., Belmond, Iowa.
Filed Oct. 20, 1947, Serial No. 538,468. Published Oct. 5, 1948. Class 1.

505,768. HAIR SHAMPOOS, HAIR WAVING SOLUTIONS, HAIR RINSES, HAIR TONICS, AND HAIR DRESSING. SAMUEL BONAT & BRO., INC., New York, N. Y.
Filed Oct. 22, 1947, Serial No. 538,596. Published Oct. 19, 1948. Class 6.

505,769. WELDING COMPOUND USED IN OXY-ACETYLENE PROCESS WITH CAST IRON RODS IN ORDER TO HARD-SURFACE OR HARD FACE MACHINERY PARTS OR TOOLS SUCH AS CRUSHER JAWS, DIPPER TEETH, AND THE LIKE. H. L. P. MANUFACTURING COMPANY, Houston, Tex.
Filed Oct. 25, 1947, Serial No. 539,051. Published Oct. 5, 1948. Class 6.

505,770. GALVANIZED STEEL IN SHEET FORM. INLAND STEEL COMPANY, Chicago, Ill.
Filed Oct. 28, 1947, Serial No. 539,322. Published Sept. 21, 1948. Class 14.

505,771. MEDICINAL LINIMENT RECOMMENDED FOR MUSCLE SORENESS, MUSCLE STIFFNESS, OR MUSCLE CRAMPS, DUE TO EXERTION, EXPOSURE, OR FATIGUE, NEURALGIA OR MUSCULAR STIFF NECK FROM DRAFTS OR EXPOSURE. THE C. F. SAUER COMPANY, Richmond, Va.
Filed Oct. 29, 1947, Serial No. 539,443. Published Oct. 5, 1948. Class 6.

505,772. WATER SOFTENER WITH INCIDENTAL CLEANING PROPERTIES. THE MORTON S. PINE Co., Cleveland, Ohio.
Filed Oct. 30, 1947, Serial No. 539,561. Published Sept. 21, 1948. Class 6.

505,773. LIGHTWEIGHT PLASTER AGGREGATE, LIGHTWEIGHT CONCRETE AGGREGATE, ACOUSTICAL PLASTER, HARDWALL PLASTER, AND FINE AND COARSE EXPANDED PERLITE. DANT & RUSSELL, INC., Portland, Oreg.
Filed Oct. 31, 1947, Serial No. 539,668. Published Sept. 7, 1948. Class 12.

505,774. WATCHES AND WATCH MOVEMENTS. FRECO WATCH CORPORATION, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,691. Published Oct. 2, 1948. Class 27.

505,775. OIL BURNERS, PARTS THEREOF, AND ACCESSORIES THERETO. HAYWARD MANUFACTURING COMPANY INC., Brooklyn, N. Y.
Filed Oct. 31, 1947, Serial No. 539,698. Published Oct. 12, 1948. Class 34.

505,776. WATCHES AND WATCH MOVEMENTS. SILENA WATCH CORPORATION, New York, N. Y.
Filed Oct. 31, 1947, Serial No. 539,765. Published Oct. 12, 1948. Class 27.

505,777. TENNIS RACKETS, BADMINTON RACKETS, SQUASH RACKETS, AND TABLE TENNIS BATS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 5, 1947, Serial No. 540,210. Published Sept. 21, 1948. Class 22.

505,778. TENNIS RACKETS, SQUASH RACKETS, AND BADMINTON RACKETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 5, 1947, Serial No. 540,211. Published Sept. 21, 1948. Class 22.

505,779. GOLF BALLS, GOLF CLUBS, BASKETBALLS, VOLLEY BALLS, SOCCER BALLS, FOOTBALLS, TENNIS RACKETS, SQUASH RACKETS, SHUTTLECOCKS, BADMINTON RACKETS, BASEBALL BATS, SOFTBALL BATS, TABLE TENNIS BATS, AND TABLE TENNIS BALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 5, 1947, Serial No. 540,212. Published Sept. 21, 1948. Class 22.

505,780. HOLLOW WARE INCLUDING TRAYS, DISHES, SALVERS, PLATTERS, GRAVY SETS, CANDLESTICKS, AND VACUUM ICE TUBS, MADE IN WHOLE OR IN PART OF PRECIOUS METAL. W. & S. BLACKINGTON CO., INC., Meriden, Conn.
Filed Nov. 6, 1947, Serial No. 540,244. Published Oct. 19, 1948. Class 28.

505,781. MECHANICALLY GROOVED PHONOGRAPH RECORDS. AMERICAN GLOSSITE CO., INCORPORATED, Putnam, Conn.
Filed Nov. 8, 1947, Serial No. 540,511. Published Sept. 14, 1948. Class 36.

505,782. WATCHES. HELBROS WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 10, 1947, Serial No. 540,671. Published Oct. 12, 1948. Class 27.

505,783. PREPARATION FOR TREATMENT OF IVY, SUMAC AND OAK POISONING; ALSO BEE STINGS, MOSQUITO AND OTHER INSECT BITES. EDWARD H. ACREE, Schooleys Mountain, N. J.
Filed Nov. 12, 1947, Serial No. 540,758. Published Aug. 31, 1948. Class 6.

505,784. WATCHES AND CLOCKS. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,300. Published Oct. 19, 1946. Class 27.

505,785. WATCHES AND CLOCKS. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,303. Published Oct. 19, 1948. Class 27.

505,786. SOAP, DRY CLEANING COMPOUND, GENERAL CLEANING OF WASHING COMPOUNDS FOR USE IN HOMES, FACTORIES, AND OFFICES, TOILET BOWL CLEANER, GLASS CLEANER, RUG AND CARPET CLEANER, METAL POLISH, AND COMPOUNDS FOR USE IN CLEANING AND POLISHING PORCELAIN, PAINTED, AND SIMILAR SURFACES. U. S. SANITARY SPECIALTIES CORPORATION, Chicago, Ill.
Filed Nov. 15, 1947, Serial No. 541,359. Published Oct. 12, 1948. Class 4.

505,787. TIE HOLDERS AND RELIGIOUS GOODS—NAMELY, ROSARIES AND CROSSES, MADE WHOLLY OR PARTLY OF PRECIOUS METALS, ETC. J. H. HOBSON CO., North Attleboro, Mass.
Filed Nov. 18, 1947, Serial No. 541,543. Published Oct. 19, 1948. Class 28.

505,788. SHOE KNIVES HAVING SQUARE, SHARP, ROUND, OR BEVELED POINTS, ETC. HYDE MANUFACTURING COMPANY, Southbridge, Mass.
Filed July 31, 1947, Serial No. 541,783. Published Oct. 5, 1948. Class 23.

505,789. BRASS, COPPER, AND NONFERROUS ALLOY SHEETS, RODS, AND WIRE, AND SILVER SOLDER. CHASE BRASS & COPPER CO. INCORPORATED, Waterbury, Conn.
Filed Nov. 21, 1947, Serial No. 541,916. Published Sept. 21, 1948. Class 14.

505,790. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 21, 1947, Serial No. 541,939. Published Nov. 21, 1948. Class 12.

505,791. WATCHCASES, CLOCKS, WATCHES, AND PARTS THEREOF. PARKER WATCH CO., INC., New York, N. Y.
Filed Nov. 21, 1947, Serial No. 541,959. Published Oct. 12, 1948. Class 27.

505,792. TRANSMISSION BELTING. THERMOID COMPANY, Trenton, N. J.
Filed Nov. 21, 1947, Serial No. 541,980. Published Oct. 1948. Class 35.

505,793. SILVER PLATED HOLLOW-WARE. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed Nov. 22, 1947, Serial No. 542,026. Published Oct. 12, 1948. Class 28.

505,794. VITAMIN PREPARATION. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Nov. 25, 1947, Serial No. 542,358. Published Oct. 5, 1948. Class 6.

505,795. RODS OR WIRE CONSISTING OF OR CONTAINING FERROUS METAL FOR DEPOSITING METALS BY SPRAYING OR WELDING. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,614. Published Sept. 21, 1948. Class 14.

505,796. RODS OR WIRES CONSISTING OF OR CONTAINIG COPPER FOR DEPOSITING METALS BY SPRAYING OR WELDING. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,615. Published Sept. 21, 1948. Class 14.

505,797. WIRE OR ROD USED FOR METAL COATINGS. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,617. Published Sept. 21, 1948. Class 14.

505,798. RODS OR WIRE CONSISTING OF OR CONTAINING COPPER FOR DEPOSITING METALS BY SPRAYING OR WELDING. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,618. Published Sept. 21, 1948. Class 14.

505,799. RODS OR WIRE CONSISTING OF OR CONTAINING FERROUS METAL FOR DEPOSITING METALS BY SPRAYING OR WELDING. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,619. Published Sept. 21, 1948. Class 14.

505,800. LADIES' AND MEN'S WATCHES. BERMAN'S JEWELRY STORES, INC., Charleston, W. Va.
Filed Dec. 1, 1947, Serial No. 542,810. Published Oct. 12, 1948. Class 27.

505,801. FLUOROSCOPES FOR USE WITH BABIES. BRACKE-SEIB X-RAY CO., INC., New York, N. Y.
Filed Dec. 2, 1947, Serial No. 542,905. Published Oct. 12, 1948. Class 44.

505,802. PACKING CONTAINERS MADE FROM GLASS—NAMELY, JARS, BOTTLES, AND CANS. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed Aug. 28, 1947, Serial No. 543,001. Published Sept. 14, 1948. Class 33.

505,803. YARDERS, BEING GASOLINE OR DIESEL POWERED SINGLE OR MULTIPLE DRUM HOISTS USED IN THE LOGGING INDUSTRY TO MOVE LOGS BY CABLE, ETC. SKAGIT STEEL & IRON WORKS, Sedro Woolley, Wash.
Filed Feb. 27, 1948, Serial No. 543,041. Published Oct. 12, 1948. Class 23.

505,804. SKIN LOTION. THE MENNEN COMPANY, Newark, N. J.
Filed Dec. 3, 1947, Serial No. 543,209. Published Oct. 5, 1948. Class 6.

505,805. BASIC ALUMINUM CARBONATE GEL. WYETH INCORPORATED, Philadelphia, Pa.
Filed Dec. 3, 1947, Serial No. 543,247. Published Oct. 5, 1948. Class 6.

505,806. POWDERED DETERGENT FOR USE IN SO-CALLED "WET CLEANING" OF FABRICS, RUGS, CARPETS, AND THE LIKE. ADCO, INC., Sedalia, Mo.
Filed Dec. 4, 1947, Serial No. 543,256. Published July 27, 1948. Class 4.

505,807. TOILET POWDER, TALCUM POWDER, MEDICATED POWDER, BABY OIL, SKIN BALM, AND SKIN CREAM. THE MENNEN COMPANY, Newark, N. J.
Filed Dec. 4, 1947, Serial No. 543,311. Published Oct. 5, 1948. Class 6.

505,808. IODINE PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,701. Published Oct. 12, 1948. Class 6.

505,809. JEWELRY FOR PERSONAL WEAR OR ADORNMENT—NAMELY, BRACELETS, PENDANTS, BROOCHES, AND EARRINGS, MADE OF OR PLATED WITH PRECIOUS METALS. GENERAL CHAIN COMPANY, INC., North Attleboro, Mass.
Filed Dec. 20, 1947, Serial No. 544,993. Published Sept. 28, 1948. Class 28.

505,810. LIQUID DANDRUFF REMOVER. FELTS AND GUNNELS, Clovis, N. Mex.
Filed Dec. 22, 1947, Serial No. 545,114. Published Oct. 5, 1948. Class 6.

505,811. CASTINGS AND FORGINGS MADE OF CARBON STEEL, MANGANESE STEEL AND IRON; WELDING RODS; ETC. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Feb. 3, 1948; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,666. Published Nov. 2, 1948. Class 14.

505,812. GAS FIRED FLOOR FURNACES, GAS FIRED SUSPENDED UNIT HEATERS, EVAPORATIVE AIR CONDITIONERS AND VENTILATING WINDOW FANS. CENTRAL STATES MFG. CO., INC., Arkansas City, Kans.
Filed Dec. 23, 1947, Serial No. 545,234. Published Oct. 5, 1948. Class 34.

505,813. CHEMICAL COMPOSITION FOR THE PREVENTION OF CORROSION. THE MCCAMBRIDGE & MCCAMBRIDGE CO., Baltimore, Md.
Filed Dec. 24, 1947, Serial No. 545,383. Published Oct. 5, 1948. Class 6.

505,814. RUG, FABRIC, AND AUTOMOBILE CLEANING PREPARATION. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed Dec. 26, 1947, Serial No. 545,453. Published Oct. 5, 1948. Class 4.

505,815. ANALGESIC PREPARATIONS. STANBACK COMPANY, LTD., Salisbury, N. C.
Filed Dec. 26, 1947, Serial No. 545,553. Published Oct. 5, 1948. Class 6.

505,816. WINDOWS AND DOOR FRAMES. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa.
Filed Dec. 27, 1947, Serial No. 545,582. Published Sept. 21, 1948. Class 12.

505,817. MEDICATED LOZENGES. HUDSON'S EUMENTHOL CHEMICAL COMPANY PTY. LIMITED, Glebe, Sydney, New South Wales, Australia.
Filed Dec. 29, 1947, Serial No. 545,627. Published Oct. 5, 1948. Class 6.

505,818. SOLVENT FOR USE IN DUPLICATING PROCESSES OF THE TYPE WHEREIN COPY SHEETS ARE MOISTENED WITH THE SOLVENT AND BROUGHT INTO CONTACT WITH DATA APPEARING ON MASTER SHEETS. DITTO, INCORPORATED, Chicago, Ill.
Filed Jan. 7, 1948, Serial No. 546,374. Published Oct. 5, 1948. Class 6.

505,819. BRAKE LINING SETS. THERMOID COMPANY, Trenton, N. J.
Filed Jan. 7, 1948, Serial No. 546,438. Published Oct. 5, 1948. Class 35.

505,820. DENTIFRICE. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed Jan. 9, 1948, Serial No. 546,605. Published Oct. 5, 1948. Class 6.

505,821. CUTTING ELECTRODES COMPOSED OF METAL. EUTECTIC WELDING ALLOYS CORPORATION, New York, N. Y.
Filed Jan. 10, 1948, Serial No. 546,684. Published Sept. 21, 1948. Class 14.

505,822. MECHANICAL PACKINGS AND ROD PACKINGS MADE OF ASBESTOS, FIBRE, RUBBER, SYNTHETIC PLASTIC, TEXTILE MATERIAL AND/OR COMBINATIONS THEREOF. A. W. CHESTERTON COMPANY, Everett, Mass.
Filed Jan. 13, 1948, Serial No. 546,823. Published Oct. 5, 1948. Class 35.

505,823. POWDERED SOAP AND WASHING COMPOUNDS FOR LAUNDRY PURPOSES. SCIENTIFIC SUPPLY CO., INC., Denver, Colo.
Filed Jan. 13, 1948, Serial No. 546,880. Published Oct. 12, 1948. Class 4.

Putnam, Conn.
Filed Nov. 8, 1947, Serial No. 540,511. Published Sept. 14, 1948. Class 36.

METALS BY STARTING OR WELDING. METALLIZING ENGINEERING CO. INC., Long Island City, N. Y.
Filed Nov. 28, 1947, Serial No. 542,614. Published Sept. 21, 1948. Class 14.

CHAIN COMPANY, INC., North Attleboro, Mass.
Filed Dec. 20, 1947, Serial No. 544,993. Published Sept. 28, 1948. Class 28.

Filed Jan. 13, 1948, Serial No. 546,880. Published Oct. 12, 1948. Class 4.

505,824. SULPHUR. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Jan. 22, 1948, Serial No. 547,786. Published Aug. 31, 1948. Class 6.

505,825. FERTILIZERS. PACIFIC CHEMICAL AND FERTILIZER COMPANY, Honolulu, Territory of Hawaii.
Filed Jan. 27, 1948, Serial No. 548,099. Published Sept. 28, 1948. Class 10.

505,826. DRY ROUGE, CREAM ROUGE, LIPSTICKS, AND NAIL POLISH. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed Feb. 10, 1948, Serial No. 549,261. Published June 22, 1948. Class 6.

505,827. SURFACE ACTIVE DETERGENTS FOR USE IN GENERAL, HOUSEHOLD, PROFESSIONAL, COMMERCIAL, AND INDUSTRIAL CLEANING, WASHING, AND POLISHING. ORONITE CHEMICAL COMPANY, San Francisco, Calif., and Wilmington, Del.
Filed Feb. 16, 1948, Serial No. 549,836. Published Oct. 5, 1948. Class 4.

505,828. SURFACE ACTIVE DETERGENTS FOR USE IN GENERAL HOUSEHOLD, PROFESSIONAL, COMMERCIAL, AND INDUSTRIAL CLEANING, WASHING, AND POLISHING. ORONITE CHEMICAL COMPANY, San Francisco, Calif., and Wilmington, Del.
Filed Feb. 16, 1948, Serial No. 549,837. Published Oct. 5, 1948. Class 4.

505,829. FERTILIZERS. AGRICULTURAL MINERALS COMPANY, Montgomery, Ala.
Filed Feb. 17, 1948, Serial No. 549,865. Published Aug. 24, 1948. Class 10.

505,830. INSECTICIDES. PENOLA INC., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,067. Published Oct. 19, 1948. Class 6.

505,831. INSECTICIDES AND MOTH PREVENTIVES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,086. Published Oct. 19, 1948. Class 6.

505,832. LIQUID PREPARATION FOR CLEANING GLASS, AND A GENERAL HOUSEHOLD CLEANSER IN POWDER FORM. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,501. Published Oct. 12, 1948. Class 4.

505,833. PREPARATION IN POWDER FORM FOR CLEANING CLOSET BOWLS. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,502. Published Oct. 12, 1948. Class 4.

505,834. CLEANSER PADS CONTAINING SOAP FOR CLEANING KITCHENWARE AND ALUMINUM, ETC. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,503. Published Oct. 12, 1948. Class 4.

505,835. CLEANING FLUID FOR WEARING APPAREL, FABRICS, UPHOLSTERY, AND CARPETS; AND LIQUID PREPARATION FOR CLEANING AND POLISHING SHOES. GRIFFIN MANUFACTURING COMPANY, INC., Brooklyn, N. Y.
Filed Feb. 27, 1948, Serial No. 550,693. Published Oct. 12, 1948. Class 4.

505,836. SOAP POWDER COMBINED WITH MINERAL INGREDIENTS. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed Feb. 28, 1948, Serial No. 550,792. Published Oct. 12, 1948. Class 4.

505,837. CLEANSER AND RENOVATOR FOR TERRAZZO FLOORS. CARBOLITE CORPORATION, Maywood, Ill.
Filed Mar. 4, 1948, Serial No. 551,167. Published Oct. 12, 1948. Class 4.

505,838. HAND AND SKIN BALM. MORTON MANUFACTURING CORPORATION, doing business as Chap Stick Co., Lynchburg, Va.
Filed Mar. 9, 1948, Serial No. 551,573. Published Oct. 19, 1948. Class 6.

505,839. SOAP. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,294. Published Oct. 12, 1948. Class 4.

505,840. CLEANING COMPOUND FOR GENERAL LAUNDRY, TEXTILE, AND SIMILAR INDUSTRIAL USES. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,295. Published Oct. 5, 1948. Class 4.

505,841. SHAMPOO. WHITEHALL PHARMACAL COMPANY, New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,526. Published Oct. 5, 1948. Class 6.

505,842. ANTACID PREPARATION. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y.
Filed Mar. 23, 1948, Serial No. 552,742. Published Oct. 19, 1948. Class 6.

505,843. POWDER FOR CLEANING SILVERWARE. ROSS SCHRAGER, doing business as Silver Chemical Co., Brooklyn, N. Y.
Filed Apr. 17, 1948, Serial No. 554,923. Published Oct. 5, 1948. Class 4.

505,844. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed May 12, 1948, Serial No. 556,922. Published Oct. 5, 1948. Class 6.

505,845. FUNGICIDAL OINTMENT AND FUNGICIDAL POWDER. WILLIAM C. DABNEY, JR., doing business as Dabney Pharmacal Company, Louisville, Ky.
Filed May 15, 1948, Serial No. 557,120. Published Oct. 12, 1948. Class 6.

505,846. PHARMACEUTICAL PREPARATION OF AMINO ACIDS AND POLYPEPTIDES FROM HYDROLYSED PROTEIN FOODS. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y.
Filed May 19, 1948, Serial No. 557,335. Published Oct. 12, 1948. Class 6.

505,847. LIQUID PETROLATUM, ALSO KNOWN AS WHITE OIL. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.
Filed May 24, 1948, Serial No. 557,697. Published Oct. 12, 1948. Class 6.

505,848. FACE LOTIONS. WILLIAM SAVIOU, Warren, Ohio.
Filed Apr. 16, 1948, Serial No. 557,982. Published Oct. 12, 1948. Class 6.

505,849. DRUG TO BE USED IN THE TREATMENT OF CARDIAC CONDITIONS AND ASTHMA. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa.
Filed May 28, 1948, Serial No. 558,064. Published Oct. 19, 1948. Class 6.

505,850. DRUG TO BE USED IN THE TREATMENT OF THYROID DISEASES. PHYSICIANS' DRUG & SUPPLY CO., Philadelphia, Pa.
Filed May 28, 1948, Serial No. 558,065. Published Oct. 19, 1948. Class 6.

505,851. SULFONAMIDE PREPARATION. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed June 2, 1948, Serial No. 558,265. Published Oct. 19, 1948. Class 6.

505,852. SULFONAMIDE PREPARATION FOR VETERINARY USE. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed June 2, 1948, Serial No. 558,266. Published Oct. 19, 1948. Class 6.

505,853. ALL-PURPOSE CLEANSER IN POWDER FORM. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed June 9, 1948, Serial No. 558,830. Published Oct. 5, 1948. Class 4.

505,854. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed June 17, 1948, Serial No. 559,545. Published Oct. 12, 1948. Class 4.

505,855. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed June 25, 1948, Serial No. 560,157. Published Oct. 12, 1948. Class 4.

505,856. TOILET SOAP. NETTIE ROSENSTEIN, INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,221. Published Oct. 12, 1948. Class 4.

505,857. TOILET SOAP. NETTIE ROSENSTEIN, INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,222. Published Oct. 12, 1948. Class 4.

505,858. STOVE AND LAMP NAPHTHAS AND GASOLINE. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 19, 1948, Serial No. 563,751. Published Oct. 19, 1948. Class 15.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,859. (CLASS 33. GLASSWARE.) POLAN INDUSTRIES, Huntington, W. Va. Filed Aug. 7, 1948; originally filed, act of 1905, Aug. 17, 1945, Serial No. 487,210.

FIREGLAS

FOR GLASS COOKING UTENSILS AND KITCHEN WARE—NAMELY, COFFEE MAKERS AND SAUCEPANS.
Claims use since July 26, 1945.

505,860. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) R & W WILEY, INC., Buffalo, N. Y. Filed Dec. 19, 1947; originally filed, act of 1905, Oct. 12, 1945, Serial No. 489,889.

E-Z SERVICER

505,862. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MOTTY EITINGON, INC., New York, N. Y. Filed Aug. 26, 1947; originally filed, act of 1905, Feb. 16, 1946, Serial No. 496,725.

BONMOUTON

FOR DYED LAMBSKINS.
Claims use since Jan. 24, 1946.

505,863. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MOTTY EITINGON, INC., New York, N. Y. Filed Aug. 26, 1947; originally filed, act of 1905, Feb. 16, 1946, Serial No. 496,726.

BONMOUTON

FOR DYED LAMBSKINS.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

ADDITIONAL REGISTRATIONS

506,586. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BARNES MANUFACTURING CO., Mansfield, Ohio. Filed Jan. 6, 1949; originally filed, act of 1905, May 13, 1947, Serial No. 522,325.

STREAMLUXE Barnes LINE

FOR SINK FAUCETS.
Claims use since Mar. 5, 1947.

506,587. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BARNES MANUFACTURING CO., Mansfield, Ohio. Filed Jan. 6, 1949; originally filed, act of 1905, May 13, 1947, Serial No. 522,333.

Barnes

FOR KITCHEN, BATH, AND LAUNDRY FAUCETS, AND OVERFLOW VALVES.
Claims use since Mar. 5, 1947.

724 OFFICIAL GAZETTE JANUARY 18, 1949

JANUARY 18, 1949 U. S. PATENT OFFICE 725

505,856. TOILET SOAP. NETTIE ROSENSTEIN, INC., New

Ill.
Filed Mar. 4, 1948, Serial No. 551,167. Published Oct. 12, 1948. Class 4.

York, N. Y.
Filed June 2, 1948, Serial No. 558,266. Published Oct. 19, 1948. Class 6.

505,824. SULPHUR. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Jan. 22, 1948, Serial No. 547,786. Published Aug. 31, 1948. Class 6.

505,825. FERTILIZERS. PACIFIC CHEMICAL AND FERTILIZER COMPANY, Honolulu, Territory of Hawaii.
Filed Jan. 27, 1948, Serial No. 548,099. Published Sept. 28, 1948. Class 10.

505,826. DRY ROUGE, CREAM ROUGE, LIPSTICKS, AND NAIL POLISH. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed Feb. 10, 1948, Serial No. 549,201. Published June 22, 1948. Class 6.

505,827. SURFACE ACTIVE DETERGENTS FOR USE IN GENERAL, HOUSEHOLD, PROFESSIONAL, COMMERCIAL, AND INDUSTRIAL CLEANING, WASHING, AND POLISHING. ORONITE CHEMICAL COMPANY, San Francisco, Calif., and Wilmington, Del.
Filed Feb. 16, 1948, Serial No. 549,836. Published Oct. 5, 1948. Class 4.

505,828. SURFACE ACTIVE DETERGENTS FOR USE IN GENERAL HOUSEHOLD, PROFESSIONAL, COMMERCIAL, AND INDUSTRIAL CLEANING, WASHING, AND POLISHING. ORONITE CHEMICAL COMPANY, San Francisco, Calif., and Wilmington, Del.
Filed Feb. 16, 1948, Serial No. 549,837. Published Oct. 5, 1948. Class 4.

505,829. FERTILIZERS. AGRICULTURAL MINERALS COMPANY, Montgomery, Ala.
Filed Feb. 17, 1948, Serial No. 549,865. Published Aug. 24, 1948. Class 10.

505,830. INSECTICIDES. PENOLA INC., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,067. Published Oct. 19, 1948. Class 6.

505,831. INSECTICIDES AND MOTH PREVENTIVES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Feb. 18, 1948, Serial No. 550,086. Published Oct. 19, 1948. Class 6.

505,832. LIQUID PREPARATION FOR CLEANING GLASS, AND A GENERAL HOUSEHOLD CLEANSER IN POWDER FORM. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,501. Published Oct. 12, 1948. Class 4.

505,833. PREPARATION IN POWDER FORM FOR CLEANING CLOSET BOWLS. THE GREAT AMERI-

505,838. HAND AND SKIN BALM. MORTON MANUFACTURING CORPORATION, doing business as Chap Stick Co., Lynchburg, Va.
Filed Mar. 9, 1948, Serial No. 551,573. Published Oct. 19, 1948. Class 6.

505,839. SOAP. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,294. Published Oct. 12, 1948. Class 4.

505,840. CLEANING COMPOUND FOR GENERAL LAUNDRY, TEXTILE, AND SIMILAR INDUSTRIAL USES. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,295. Published Oct. 5, 1948. Class 4.

505,841. SHAMPOO. WHITEHALL PHARMACAL COMPANY, New York, N. Y.
Filed Mar. 18, 1948, Serial No. 552,526. Published Oct. 5, 1948. Class 6.

505,842. ANTACID PREPARATION. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y.
Filed Mar. 23, 1948, Serial No. 552,742. Published Oct. 19, 1948. Class 6.

505,843. POWDER FOR CLEANING SILVERWARE. ROSE SCHRAGER, doing business as Silver Chemical Co., Brooklyn, N. Y.
Filed Apr. 17, 1948, Serial No. 554,923. Published Oct. 5, 1948. Class 4.

505,844. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed May 12, 1948, Serial No. 556,922. Published Oct. 5, 1948. Class 6.

505,845. FUNGICIDAL OINTMENT AND FUNGICIDAL POWDER. WILLIAM C. DABNEY, JR., doing business as Dabney Pharmacal Company, Louisville, Ky.
Filed May 15, 1948, Serial No. 557,120. Published Oct. 12, 1948. Class 6.

505,846. PHARMACEUTICAL PREPARATION OF AMINO ACIDS AND POLYPEPTIDES FROM HYDROLYSED PROTEIN FOODS. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y.
Filed May 19, 1948, Serial No. 557,335. Published Oct. 12, 1948. Class 6.

505,847. LIQUID PETROLATUM, ALSO KNOWN AS WHITE OIL. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif.

FOR SINK FAUCETS.
Claims use since Mar. 5, 1947.

Claims use since Mar. 5, 1947.

505,853. ALL-PURPOSE CLEANSER IN POWDER FORM. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va.
Filed June 9, 1948, Serial No. 558,830. Published Oct. 5, 1948. Class 4.

505,854. SUDSING CLEANER, CLEANSER, AND DETERGENT. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed June 17, 1948, Serial No. 559,545. Published Oct. 12, 1948. Class 4.

505,855. SOAP. ARMOUR AND COMPANY, Chicago, Ill.
Filed June 25, 1948, Serial No. 560,157. Published Oct. 12, 1948. Class 4.

505,856. TOILET SOAP. NETTIE ROSENSTEIN, INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,221. Published Oct. 12, 1948. Class 4.

505,857. TOILET SOAP. NETTIE ROSENSTEIN, INC., New York, N. Y.
Filed June 25, 1948, Serial No. 560,222. Published Oct. 12, 1948. Class 4.

505,858. STOVE AND LAMP NAPHTHAS AND GASOLINE. THE PURE OIL COMPANY, Chicago, Ill.
Filed Aug. 19, 1948, Serial No. 563,751. Published Oct. 19, 1948. Class 15.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,859. (CLASS 33. GLASSWARE.) POLAN INDUSTRIES, Huntington, W. Va. Filed Aug. 7, 1948; originally filed, act of 1905, Aug. 17, 1945, Serial No. 487,210.

FIREGLAS

FOR GLASS COOKING UTENSILS AND KITCHEN WARE—NAMELY, COFFEE MAKERS AND SAUCEPANS.
Claims use since July 26, 1945.

505,860. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) R & W WILEY, INC., Buffalo, N. Y. Filed Dec. 19, 1947; originally filed, act of 1905, Oct. 12, 1945, Serial No. 480,889.

E-Z SERVICER

FOR ELECTRIC LIGHTING FIXTURES AND PARTS THEREOF.
Claims use since Nov. 30, 1944.

505,861. (CLASS 38. PRINTS AND PUBLICATIONS.) KLEIN'S SPORTING GOODS, INC., Chicago, Ill., assignee of Klein's Sporting Goods. Filed July 20, 1948; originally filed, act of 1905, Dec. 29, 1945, Serial No. 494,079.

The
GUN
DIGEST

FOR ANNUAL PUBLICATION.
Claims use since Apr. 7, 1944.

505,862. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MOTTY EITINGON, INC., New York, N. Y. Filed Aug. 26, 1947; originally filed, act of 1905, Feb. 16, 1946, Serial No. 496,725.

BONMOUTON

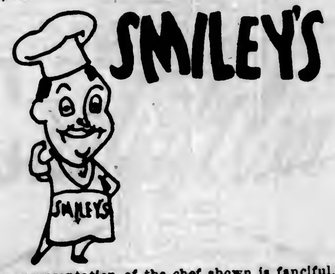
FOR DYED LAMBSKINS.
Claims use since Jan. 24, 1946.

505,863. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) MOTTY EITINGON, INC., New York, N. Y. Filed Aug. 26, 1947; originally filed, act of 1905, Feb. 16, 1946, Serial No. 496,726.

BONMOUTON

FOR DYED LAMBSKINS.
Claims use since Jan. 24, 1946.

505,864. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STEPHEN SZILAGYI, doing business as Tasty-Bits Fine Foods, Easton, Pa. Filed Feb. 16, 1948; originally filed, act of 1905, Mar. 27, 1946, Serial No. 499,083.



The representation of the chef shown is fanciful.
FOR CANDIES.
Claims use since Feb. 8, 1945.

505,878. (CLASS 34. HEATING, LIGHTING, AND

505,865. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAIRMONT CANNING COMPANY, Fairmont, Minn. Filed June 12, 1948; originally filed, act of 1905, Apr. 3, 1946, Serial No. 499,544.

ETON

FOR FROZEN PREPARED AND PARTLY PREPARED FOODS—NAMELY, ICE BOX COOKIES, PUMPKIN PIE, AND ENGLISH RAREBIT.
Claims use since Dec. 13, 1945.

505,866. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK STRAUSSER, Great Neck, N. Y. Filed Sept. 17, 1947; originally filed, act of 1905, Apr. 30, 1946, Serial No. 501,212.

CHERRYCUP

FOR CANDY.
Claims use since Apr. 23, 1946.

505,867. (CLASS 8. SMOKERS' ARTICLES NOT INCLUDING TOBACCO PRODUCTS.) NEWMAN BROS., New York, N. Y. Filed Oct. 14, 1948; originally filed act of 1905, May 9, 1946, Serial No. 501,760.

CHADWICK

FOR SMOKING PIPES AND TOBACCO POUCHES.
Claims use since May 1, 1946.

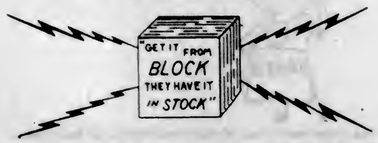
505,868. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MULLER PRODUCTS CO., INC., New York, N. Y. Filed Oct. 7, 1947; originally filed, act of 1905, June 21, 1946, Serial No. 504,377.

CIRO

FOR OLIVE OIL.
Claims use since June 15, 1946.

505,869. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BLOCK MARBLE CO., Philadelphia, Pa. Filed Nov. 4, 1947; originally filed, act of 1905, July 8, 1946, Serial No. 505,180.

"CONTAC-KIT"



FOR SERVICE KIT CONTAINING PARTS AND SUPPLIES FOR MAINTENANCE AND REPAIR OF COIN CONTROLLED ELECTRICALLY OPERATED VENDING AND AMUSEMENT MACHINES—NAMELY, CONTACT POINTS, FIBER LIFTERS, FIBER SEPARATORS, INSULATING BUSHINGS, PHOSPHOR BRONZE LEAVES, INSULATING FISH PAPERS, FLEXIBLE PIG TAIL WIRE, CONTACT POINT ADJUSTERS, HOLLOW END BRASS RIVETS, ASSORTED MADE UP SWITCHES, SOLDERING LUGS, MOUNTING BOLTS, NUTS AND LOCK WASHERS, AND SWITCH ASSEMBLY TOOLS.
Claims use since June 10, 1946.

505,870. (CLASS 38. PRINTS AND PUBLICATIONS.) LIBARDO RODRIGUES, New York, N. Y. Filed Mar. 23, 1948; originally filed, act of 1905, July 13, 1946, Serial No. 505,622.

New York Fashion Previews

FOR FASHION PERIODICALS.
Claims use since September 1943.

505,871. (CLASS 38. PRINTS AND PUBLICATIONS.) STAMATS PUBLISHING COMPANY, Cedar Rapids, Iowa, assignor to Stamats Publishing Company, Cedar Rapids, Iowa, a corporation of Iowa. Filed Oct. 14, 1948; originally filed, act of 1905, Aug. 1, 1946, Serial No. 506,699.

NATIONAL
REAL ESTATE
and BUILDING
JOURNAL

Applicant claims ownership of registration No. 211,591.
FOR MONTHLY PUBLICATION.
Claims use since Oct. 15, 1944.

505,872. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NETHERLAND AMERICAN IMPORT CORP., New York, N. Y. Filed Sept. 17, 1947; originally filed, act of 1905, Aug. 28, 1946, Serial No. 508,181.

FOR CANNED AND FROZEN FISH, CANNED FRUITS, BOTTLED PICKLES, BOTTLED ONIONS AND FROZEN VEGETABLES.
Claims use since July 8, 1946.

505,873. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 19, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,452.

Carroll HOUSE

FOR COTTON BATTS.
Claims use since Aug. 23, 1946.

505,874. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., Greenwich, Conn. Filed Nov. 16, 1948; originally filed, act of 1905, Sept. 25, 1946, Serial No. 509,699.

Mary Marvel

The name "Mary Marvel" is fictitious.
FOR MONTHLY PUBLICATION.
Claims use since Dec. 19, 1945.

505,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Aug. 12, 1948; originally filed, act of 1905, Oct. 17, 1946, Serial No. 511,050.

GUGLIELMI

FOR TOMATO PASTE, TOMATOES, TOMATO PUREE, PEAS, AND PACKAGED SPAGHETTI AND MACARONI.
Claims use since 1920.

505,876. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) INTERTYPE CORPORATION, Brooklyn, N. Y. Filed June 18, 1948; originally filed, act of 1905, Nov. 26, 1946, Serial No. 513,252.

FOTOMAT

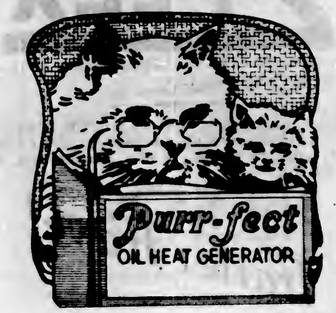
FOR TYPE-CHARACTER-BEARING ELEMENTS FOR USE IN TYPOGRAPHICAL MACHINES.
Claims use since Oct. 23, 1946.

505,877. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) EMILE A. ZATARAIN, JR., doing business as Zatarain's Pure Food Products, New Orleans, La. Filed Dec. 30, 1947; originally filed, act of 1905, Nov. 29, 1946, Serial No. 513,486.

Zatarain's

FOR ROOT BEER EXTRACT FOR MAKING MALTLESS SOFT DRINKS.
Claims use since Sept. 4, 1943.

505,878. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) HOUSEHOLD AUTOMATIC HEAT, INC., New York, N. Y., assignor to Household Fuel Corporation, New York, N. Y., a corporation of Delaware. Filed Dec. 20, 1947; originally filed, act of 1905, Feb. 11, 1947, Serial No. 517,308.



The drawing is lined to indicate yellow and blue, respectively.
FOR OIL BURNERS FOR DOMESTIC AND INDUSTRIAL HEATING PURPOSES.
Claims use since Nov. 5, 1946.

505,879. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE PARNELL COMPANY, INC., Cincinnati, Ohio. Filed Oct. 20, 1948; originally filed, act of 1905, Feb. 11, 1947, Serial No. 517,322.

FOR WHISKEY.
Claims use since Dec. 20, 1946.

505,880. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILKOR PRODUCTS, INC., Cleveland, Ohio. Filed July 30, 1948; originally filed, act of 1905, Feb. 18, 1947, Serial No. 517,759.

Carbofilm

FOR ELECTRICAL RESISTORS, RESISTANCE UNITS, PARTS THEREOF, AND ATTACHMENTS THEREFOR.
Claims use since July 25, 1946.

505,881. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN COIL CORPORATION, Atlanta, Ga. Filed July 12, 1948; originally filed, act of 1905, Feb. 24, 1947, Serial No. 518,019.

2-PLEX

FOR ELECTRICAL INSULATING TAPE.
Claims use since May 1921.

505,882. (CLASS 38. PRINTS AND PUBLICATIONS.) WOODALL PUBLISHING CO., Chicago, Ill. Filed June 24, 1948; originally filed, act of 1905, Mar. 19, 1947, Serial No. 519,307.

Trailer Travel

FOR PERIODICAL PUBLICATION.
Claims use since Mar. 3, 1947.

505,883. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) P. R. BUETTNER, doing business as Polish-Off Co., New York, N. Y. Filed July 24, 1948; originally filed, act of 1905, Apr. 9, 1947, Serial No. 520,377.

POLISH-OFF

FOR SWABS CONSISTING OF SANITARY ABSORBENT COTTON ATTACHED TO THE END OF A SMALL PIECE OF WOOD.
Claims use since Feb. 1, 1947.

505,884. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ARWOOD PRECISION CASTING CORP., Brooklyn, N. Y., by change of name from J. R. Wood Products Corporation. Filed Apr. 13, 1948; originally filed, act of 1905, Apr. 16, 1947, Serial No. 520,849.

ARWOOD

FOR METAL CASTINGS.
Claims use since Apr. 1, 1947.

505,885. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) RUFUS STEWART, doing business as Stewart's Northwood's Gift Shop, Lake Geneva, Wis. Filed Jan. 23, 1948; originally filed, act of 1905, Apr. 18, 1947, Serial No. 520,981.

STEWART'S
NORTHWOOD'S GIFT SHOP

Applicant disclaims the right to any exclusive use of the words "Gifts" and "Gift Shop" except in the association shown.
FOR DISHES, VASES, FLOWER POTS AND BOWLS, MADE OF CHINA OR POTTERY.
Claims use since 1942.

505,886. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) BERRIGLIA, INC., Kansas City, Mo., assignee of Denebeim Distilling Company. Filed Apr. 26, 1948; originally filed, act of 1905, May 5, 1947, Serial No. 521,860.

Old Method

FOR WHISKEY.
Claims use since Mar. 21, 1947.

505,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed June 9, 1948; originally filed, act of 1905, May 20, 1947, Serial No. 522,708.

AQUABLAK

FOR COLLOIDAL DISPERSIONS OF VARIOUS TYPES OF CARBON BLACKS IN WATER FOR USE IN THE INDUSTRIAL ARTS.
Claims use since Apr. 4, 1947.

505,888. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WESTERN GRINDERS, Glendale, Calif. Filed Oct. 26, 1948; originally filed, act of 1905, May 24, 1947, Serial No. 522,964.

Featherweight

FOR FISHING POLE FERRULES.
Claims use since Aug. 8, 1946.

505,889. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BINGHAM BROTHERS COMPANY, New York, N. Y. Filed Sept. 11, 1947; originally filed, act of 1905, June 17, 1947, Serial No. 524,290.

PLASTO-PRINT

No claim is made to the representation of the goods apart from the mark. The drawing is lined for shading only.
FOR INK TRANSFER ROLLERS FOR USE IN PRINTING AND LITHOGRAPHING MACHINES.
Claims use since Feb. 15, 1946.

505,890. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BINGHAM BROTHERS COMPANY, New York, N. Y. Filed Sept. 11, 1947; originally filed, act of 1905, June 17, 1947, Serial No. 524,291.

PLASTO-ROLL

No claim is made to the representation of the goods apart from the mark. The drawing is lined for shading only.
FOR INK TRANSFER ROLLERS FOR USE IN PRINTING AND LITHOGRAPHING MACHINES.
Claims use since Feb. 15, 1946.

505,891. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR F. HUEBNER, doing business as Nu-Klear, Bay City, Mich. Filed Aug. 12, 1948; originally filed, act of 1905, June 23, 1947, Serial No. 524,661.

Nu-klear

FOR WINDOW, MIRROR, FURNITURE, AND GLASS CLEANING PREPARATION.
Claims use since May 1, 1946.

505,892. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) E. CLEMENS HORST CO., San Francisco, Calif. Filed Oct. 19, 1948, Serial No. 527,458.

FRESHPACK

Applicant claims ownership of registration No. 296,572.
FOR HOPS.
Claims use since May 22, 1931.

505,893. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) RENE WEIGELT, Philmont, N. Y. Filed Oct. 26, 1948, Serial No. 528,389.

SWISS FARMS

The word "Farms" is disclaimed apart from the mark.
FOR HUMUS, SANDY SOIL, AND POTTING SOIL.
Claims use since April 1941.

505,894. (CLASS 38. PRINTS AND PUBLICATIONS.) GEO. A. PFLAUM, PUBLISHER, INC., Dayton, Ohio. Filed Oct. 23, 1948, Serial No. 529,819.

CHUCK WHITE

The mark does not identify any living individual.
FOR COMIC STRIP APPEARING PERIODICALLY.
Claims use since Mar. 12, 1946.

505,895. (CLASS 10. FERTILIZERS.) SPENCER CHEMICAL COMPANY, Kansas City, Mo. Filed Oct. 16, 1948, Serial No. 531,157.

SPENCER

FOR AMMONIUM NITRATE FERTILIZER.
Claims use since June 30, 1946.

505,896. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) APPLE GROWERS ASSOCIATION, Hood River, Oreg. Filed Aug. 26, 1948, Serial No. 531,754.

Flawless

FOR CANNED FRUITS.
Claims use since Dec. 1, 1929.

505,897. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HARLIN BROS., Indianapolis, Ind. Filed Oct. 19, 1948, Serial No. 533,223.

KALINA

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS, GUITARS AND MANDOLINS, STRINGS FOR STRINGED MUSICAL INSTRUMENTS, SOUND BARS FOR STRINGED MUSICAL INSTRUMENTS, AND PICKS FOR STRINGED MUSICAL INSTRUMENTS.
Claims use since August 1940.

505,898. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JOHN HUDSON MOORE, INC., New York, N. Y. Filed Oct. 8, 1948, Serial No. 534,145.

MOORE MARK

FOR SMOKERS' PIPES, ASHTRAYS, ASH RECEIVERS, HUMIDORS, TOBACCO POUCHES, CIGAR AND CIGARETTE HOLDERS, AND CIGARETTE PAPERS CUT TO SIZE.
Claims use since Aug. 28, 1947.

505,899. (CLASS 15. OILS AND GREASES.) ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 11, 1947, Serial No. 534,565.

ROCKWELL

Applicant claims ownership of registrations Nos. 428,477, 428,478, and 428,699.
FOR VALVE LUBRICATING GREASES.
Claims use since Dec. 13, 1945.

505,900. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRUITLAND CANNING ASSOCIATION, INC., Fruitland, Idaho. Filed Oct. 8, 1948, Serial No. 535,019.

PAYETTE VALLEY

FOR CANNED VEGETABLES.
Claims use since 1945.

505,901. (CLASS 45. SOFT DRINKS AND CARBONATED WATERS.) MASON & MASON, INC., Chicago, Ill. Filed Nov. 1, 1948, Serial No. 536,267.

MASON'S OLD FASHIONED ROOT BEER

FOR ROOT BEER.
Claims use since Aug. 20, 1947.

505,902. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEM CANNING COMPANY, Emmett, Idaho. Filed Nov. 1, 1948, Serial No. 540,536.

Earfresh

FOR CANNED CORN.
Claims use since Oct. 16, 1947.

505,903. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LANGLEY CORPORATION, San Diego, Calif. Filed Oct. 19, 1948, Serial No. 540,665.

Langley

FOR FISHING REELS.
Claims use since July 17, 1946.

505,904. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LENTINI OIL & PRODUCTS CO., INC., Brooklyn, N. Y. Filed Nov. 13, 1947, Serial No. 541,003.

LENTINI BRAND

The word "Brand" is disclaimed.
FOR MIXTURE OF OLIVE OIL AND PEANUT OIL USED FOR FOOD PURPOSES.
Claims use since Oct. 1, 1946.

505,905. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES HEDDON'S SONS, Dowagiac, Mich. Filed Oct. 21, 1948, Serial No. 541,838.

The Rod of Steel with the Bamboo Feel

FOR FISHING RODS.
Claims use since January 1934.

505,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HORN & HARDART BAKING COMPANY, Philadelphia, Pa. Filed Oct. 23, 1948, Serial No. 542,125.

LESS WORK FOR MOTHER

Applicant claims ownership of registration No. 235,886.
FOR COOKED MEATS—NAMELY, COOKED HAM, BEEF, BACON, TONGUE, PORK, AND CHICKEN; SMOKED MEATS—NAMELY, HAM, BACON, AND TONGUE; DESSERTS—NAMELY, PIES, CAKES, PASTRIES, PUDDINGS, AND ICE CREAM; BREAD, ROLLS, MUFFINS; COOKED FISH; UNCANNED SALADS—NAMELY, CHICKEN SALAD, POTATO SALAD, AND SALADS FORMED OF VARIOUS COMBINATIONS OF FRESH AND CANNED FRUITS AND VEGETABLES; COOKED VEGETABLES; MAYONNAISE, RUSSIAN AND FRENCH DRESSINGS; AND SWEET SAUCES USED ON DESSERTS; AND SANDWICHES.
Claims use since Dec. 8, 1925.

505,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLOROX CHEMICAL CO., Oakland, Calif. Filed Nov. 6, 1948, Serial No. 542,282.

THE WHITE LINE IS THE CLOROX LINE

Applicant claims ownership of registrations Nos. 102,650, 251,292, 279,405, 287,293, and 290,449.
FOR BLEACHING, CLEANSING, ANTISEPTIC AND GERMICIDAL COMPOUNDS.
Claims use since 1915.

505,908. (CLASS 37. PAPER AND STATIONERY.) HURLBUT PAPER COMPANY, South Lee, Mass. Filed Oct. 8, 1948, Serial No. 543,354.

AUDUBON

Applicant claims ownership of registration No. 366,145.
FOR WRITING AND PRINTING PAPER.
Claims use since Mar. 28, 1939.

505,909. (CLASS 38. PRINTS AND PUBLICATIONS.) COAL EXPORTERS ASSOCIATION OF THE UNITED STATES INCORPORATED, Washington, D. C. Filed Oct. 6, 1948, Serial No. 543,421.

COAL EXPORTERS ASSOCIATION OF THE UNITED STATES, INC.

FOR INFORMATION BULLETINS ISSUED AT IRREGULAR INTERVALS AVERAGING AT LEAST ONCE A WEEK.
Claims use since Sept. 22, 1947.

505,910. (CLASS 12. CONSTRUCTION MATERIALS.) A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Dec. 11, 1947, Serial No. 544,078.

MEXICO

Applicant claims ownership of registration No. 176,100.
FOR FIRE BRICK, FIRE-BRICK CEMENT, AND FIRE-CLAY TILE.
Claims use since October 1910.

505,911. (CLASS 38. PRINTS AND PUBLICATIONS.) MODERN HANDCRAFT, INC., Kansas City, Mo. Filed Oct. 11, 1948, Serial No. 549,825.

profitable HOBBIES

FOR MAGAZINE PUBLISHED MONTHLY.
Claims use since February 1946.

505,912. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Apr. 29, 1948, Serial No. 555,802.

MAKES EVERYTHING SPICK AND SPAN

Applicant claims ownership of registrations Nos. 50,697, 224,182, and 231,395.
FOR SOAP POWDER COMBINED WITH MINERAL INGREDIENTS.
Claims use since Jan. 1, 1905.

TRADE-MARK REGISTRATIONS RENEWED

23,951. "THÉ CHAMBARD" ETC. AND DRAWING. Registered Dec. 26, 1893. Aguste Sicre. Re-renewed Dec. 26, 1943 (as provided by P. L. 517, July 17, 1946), to Georges Jean Alphonse Sicre, Paris, France. A PURGATIVE TEA. Class 6.

24,438. DESIGN OF DUCKS ETC. Registered Apr. 3, 1894. F. Bapterosses & Cie. Re-renewed Apr. 3, 1944 (as provided by P. L. 517, July 17, 1946), to F. Bapterosses & Cie, Societe a Responsabilite Limitee, Paris, France, a corporation organised under the laws of the Republic of France. AGATE BEADS AND BUTTONS. Class 40.

32,739. "THE OVERLAND" ETC. AND REPRESENTATION OF TRAIN. Registered Apr. 18, 1899. S. S. Pierce Co., Boston, Mass., a corporation of Massachusetts. Re-renewed Apr. 18, 1949. CIGARS. Class 17.

50,978. KLINGERIT. Registered Apr. 3, 1906. Richard Klinger. Re-renewed Apr. 3, 1946 (as provided by P. L. 517, July 17, 1946), to Richard Klinger Aktiengesellschaft, Gumpoldskirchin, Austria, a corporation organized under the laws of Austria. PACKING MATERIALS. Class 35.

57,838. "THE SWAN BRAND" AND REPRESENTATION OF A SWAN. Registered Nov. 27, 1906. Ryff & Co. Re-renewed Nov. 27, 1946, to Ryff & Co., Ltd., Bern, Switzerland, a Swiss corporation. KNITTED UNDERWEAR. Class 39.

70,641. EN-AR-CO. Registered Sept. 22, 1908. National Remedy Co., New York, N. Y. Re-renewed Sept. 22, 1948, to National Remedy Company, Inc., White Plains, N. Y., a corporation of New York. MEDICINAL OIL. Class 6.

71,175. "LUNA LAWN" AND DRAWING. Registered Nov. 10, 1908. A. L. Reid & Co. Re-renewed Nov. 10, 1948, to William Lind, doing business as William Lind Co., New York, N. Y. LAWN. Class 42.

71,267. 'HAZELINE' SNOW. Registered Nov. 10, 1908. Henry Solomon Wellcome, London, England. Re-renewed Nov. 10, 1948, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. A SEMI-SOLID TOILET PREPARATION CONTAINING DISTILLED EXTRACT OF HAMAMELIS VIRGINIANA. Class 6.

71,460. RYTOL. Registered Nov. 24, 1908. Henry Solomon Wellcome, London, England. Re-renewed Nov. 24, 1948, to Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y., a corporation of New York. PHOTOGRAPHIC DEVELOPERS, AND PHOTOGRAPHIC ACCELERATORS. Class 6.

72,123. "PICK OF THE PACK" AND DRAWING. Registered Jan. 5, 1909. Waukesha Canning Co., Waukesha, Wis. Re-renewed Jan. 5, 1949, to The J. B. Inderrieden Co., Chicago, Ill., a corporation of Illinois. CANNED PEAS. Class 46.

FOR CANNED CORN.
Claims use since Oct. 16, 1947.

GERMICIDAL COMPOUNDS.
Claims use since 1915.

UNDERWEAR. Class 39.

72,857. BEDFORD. Registered Mar. 2, 1909. The American Thread Company, Jersey City, N. J. Re-renewed Mar. 2, 1949, to The American Thread Company, New York, N. Y., a corporation of New Jersey. SPOOL-COTTON, SEWING-COTTON, AND THREAD. Class 43.

73,356. "B" ENCLOSED BY CIRCULAR DESIGN. Registered Apr. 13, 1909. Buffalo Bolt Company, North Tonawanda, N. Y., a corporation of New York. Re-renewed Apr. 13, 1949. BOLTS AND SCREWS. Class 13.

73,551. "ALKAHN" AND DESIGN. Registered Apr. 27, 1909. Alexander L. Kahn. Re-renewed Apr. 27, 1949, to Alkahn Silk Label Co., Inc., New York, N. Y., a corporation of New York. WOVEN LABELS. Class 38.

151,004. "VEUVE CLICQUOT PONSARDIN" ETC. AND DESIGN. Registered Jan. 10, 1922. Werle et Compagnie, Reims, France. Renewed Jan. 10, 1942 (as provided by P. L. 517, July 17, 1946), to Societe Bertrand de Mun & Cie, Successeurs de Veuve Clicquot-Ponsardin, a firm of France, assignor to Joseph G. Ringwalt, New York, N. Y. CHAMPAGNE WINE. Class 47.

161,755. SÉDOL. Registered Nov. 21, 1922. Albert Buisson. Renewed Nov. 21, 1942 (as provided by P. L. 517, July 17, 1946), to Chimie & Atomistique, Societe Anonyme, Paris, France, a corporation organized under the laws of the Republic of France. SEDATIVE, ANTI-SPASMODIC ANALGESIC AND HYPNOTIC IN LIQUID FORM. Class 6.

164,876. "DE ST. MARCEAUX & CO." ETC. AND DRAWING. Registered Feb. 27, 1923. Marie Adelaide Lambey, Veuve de Philippe Joseph Heidelberger. Renewed Feb. 27, 1943 (as provided by P. L. 517, July 17, 1946), to Societe Anonyme Champagne de Saint-Marceaux, Reims, France, a corporation organized under the laws of the Republic of France. CHAMPAGNE AND SPARKLING WINES. Class 47.

171,558. REPRESENTATION OF A KEY. Registered Aug. 7, 1923. Societe en Commandite Maurice Frings & Cie, Paris, France. Renewed Aug. 7, 1943 (as provided by P. L. 517, July 17, 1946), to Societe a Responsibilite Limitee, J. Thiries Pere & Fils & Cartier Bresson, Lille, France, a corporation organized under the laws of the Republic of France. COTTON THREAD. Class 43.

174,713. 382. Registered Oct. 23, 1923. P. Raguet Fils & J. Vignes. Renewed Oct. 23, 1943 (as provided by P. L. 517, July 17, 1946), to Etablissements Raguet & Vignes, Societe a Responsabilite Limitee, Troyes, France, a corporation organized under the laws of the Republic of France. KNITTED UNDERWEAR AND HOSIERY OF COTTON, WOOL, SILK, AND ARTIFICIAL SILK AND MIXTURES OF THE SAME, FOR MEN, WOMEN, AND CHILDREN. Class 39.

175,655. INNOXA. Registered Nov. 6. 1923. Société Anonyme des Laboratoires Innoxa, Paris, France. Renewed Nov. 6, 1943 (as provided by P. L. 517, July 17, 1946), to Innoxa, Societe a Responsibilite Limitee, Neuilly-sur-Seine, France, a corporation organized under the laws of the Republic of France. TOILET POWDER, COLD CREAM, EAU DE COLOGNE, PERFUMES, DENTIFRICES, FACE AND HAIR LOTION. Class 6.

241,478. KLEER-ROOM. Registered May 1, 1928. Fulton Bag & Cotton Mills, Atlanta, Ga., a corporation of Georgia. Renewed May 1, 1948. TENTS. Class 50.

241,938. "U" WITHIN CIRCLE LINED FOR BLUE. Registered May 8, 1928. Omaha Packing Company, Inc. Renewed May 8, 1948, to Omaha Packing Company, Chicago, Ill., a corporation of Illinois. BUTTER, EGGS, PURE PORK SAUSAGE, CERVELAT SAUSAGE, AND FRANKFURTS. Class 46.

242,580. THE ELECTRICAL DEALER. Registered May 29, 1928. Bennett-Watts-Haywood Co., Lafayette, Ind. Renewed May 29, 1948, to Electrical Publications, Inc., Chicago, Ill., a corporation of Indiana. PERIODICAL. Class 38.

245,142. GUNTHER'S. Registered Aug. 7, 1928. C. G. Gunther's Sons, New York, N. Y., a corporation of New York. Renewed Aug. 7, 1948. GARMENTS AND WEARING APPAREL MANUFACTURED IN WHOLE OR IN PART FROM FURS, CONSISTING OF COATS, WRAPS, CAPES, ETC. Class 39.

245,143. GUNTHER. Registered Aug. 7, 1928. C. G. Gunther's Sons, New York, N. Y., a corporation of New York. Renewed Aug. 7, 1948. GARMENTS AND WEARING APPAREL MANUFACTURED IN WHOLE OR IN PART FROM FURS, CONSISTING OF COATS, WRAPS, CAPES, ETC. Class 39.

245,144. C. G. GUNTHER'S SONS. Registered Aug. 7, 1928. C. G. Gunther's Sons, New York, N. Y., a corporation of New York. Renewed Aug. 7, 1948. GARMENTS AND WEARING APPAREL MANUFACTURED IN WHOLE OR IN PART FROM FURS CONSISTING OF COATS, WRAPS, CAPES, ETC. Class 39.

245,229. MAGIC CLEANER MAID. Registered Aug. 7, 1928. Frederic Wilkes, doing business as Magic Maid Laboratories, Wilkinsburg, Pa. Renewed Aug. 7, 1948, to The Mystic Foam Corporation, Cleveland, Ohio, a corporation of Ohio. WASHING AND CLEANING COMPOUNDS IN LIQUID FORM EMPLOYED IN WASHING PAINTED SURFACES, CARPETS, CLOTH, ETC. Class 4.

246,886. I V O. Registered Sept. 18, 1928. Louis P. Philippi, doing business as The Irvington Company, Cable, Wis. Renewed Sept. 18, 1948, to Ivo, Inc., West Bend, Wis., a corporation of Wisconsin. OINTMENTS—NAMELY, COLD-SORE OINTMENT OR FEVER ICE, ROUGE AND LIP STICK, AND LIP STICK. Class 6.

247,011. PARADISE. Registered Sept. 18, 1928. Garcia & Maggini Company. Renewed Sept. 18, 1948, to Albert Asher, doing business as Albert Asher Company, San Francisco, Calif. DRIED FRUITS. Class 46.

248,904. ALL STAR. Registered Nov. 6, 1928. Northwestern Extract Co., Milwaukee, Wis., a corporation of Wisconsin. Renewed Nov. 6, 1948. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS AND CONCENTRATES FOR MAKING THE SAME. Class 45.

249,185. WESTERN ELECTRIC NEWS. Registered Nov. 6, 1928. Western Electric Company, Incorporated, New York, N. Y., a corporation of New York. Renewed Nov. 6, 1948. TITLE OF A MONTHLY PUBLICATION. Class 38.

249,674. CHEKO. Registered Nov. 20, 1928. The American Perforator Co., Chicago, Ill., a corporation of Illinois. Renewed Nov. 20, 1948. INDORSING-MACHINE INK. Class 11.

249,777. "PAN-TONE" AND DESIGN. Registered Nov. 20, 1928. Pan-American Drug Company, Inc. Renewed Nov. 20, 1948, to The Pan-Tone Drug Company, Jacksonville, Fla., a corporation of Florida. GENERAL TONIC AND MILD LAXATIVE. Class 6.

249,798. JOHN SMITH AND HIS CAR. Registered Nov. 20, 1928. Frederick C. Russell, West Hartford, Conn. Renewed Nov. 20, 1948. HEADING FOR NEWSPAPER ARTICLES. Class 38.

250,097. JUNO BRAND. Registered Nov. 27, 1928. The McClintock-Trunkey Co., Spokane, Wash., a corporation of Washington. Renewed Nov. 27, 1948. CANNED TUNA FISH, BUTTER, COFFEE, CANNED CLAMS, SARDINES, ETC. Class 46.

250,305. "FRENCHIE FROCKS" AND DRAWING. Registered Dec. 4, 1928. Frenchie Frocks, Inc. Renewed Dec. 4, 1948, to Nutting and Thaw, San Francisco, Calif., a partnership. LADIES', MISSES', AND CHILDREN'S WASH FROCKS, STAPLE AND NOVELTY SMOCKS, AND APRONS. Class 39.

250,552. "7 PLY" AND TRIANGLE DESIGN. Registered Dec. 11, 1928. Safepack Mills, Millis, Mass. Renewed Dec. 11, 1948, to The Ruberoid Co., New York, N. Y., and Bound Brook, N. J., a corporation of New Jersey. ROOFING AND BUILDING PAPER. Class 12.

250,583. COUNTRY SIDE. Registered Dec. 11, 1928. The Harris & Filler Co. Renewed Dec. 11, 1948, to Harris & Filler, Inc., Frederick, Md., a corporation of Maryland. CANNED VEGETABLES. Class 46.

251,047. SELF HELP. Registered Dec. 25, 1928. Earnshaw Knitting Company, Newton, Mass. Renewed Dec. 25, 1948, to The Vanta Company, Inc., Pawtucket, R. I., a corporation of Rhode Island. CHILDREN'S AND INFANTS' UNDERWEAR AND UNDERGARMENTS—NAMELY, KNITTED VESTS, KNITTED PANTIES, ETC. Class 39.

251,177. INDIVIDUALIZED PREMIUM SERVICE. Registered Jan. 1, 1929. United Profit-Sharing Corporation, New York, N. Y., a corporation of Delaware. Renewed Jan. 1, 1949. PREMIUM COUPONS. Class 38.

251,332. SAN RAMON BRAND. Registered Jan. 1, 1929. Thomas B. Bishop Company, San Francisco and San Ramon, Calif. Renewed Jan. 1, 1949, to Thomas B. Bishop Company, San Francisco, Calif., a corporation of Nevada. FRESH FRUIT—NAMELY, FRESH PEARS. Class 46.

251,904. LETHANE. Registered Jan. 15, 1929. Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Jan. 15, 1949. INSECTICIDES, FUNGICIDES, OR DISINFECTANTS. Class 6.

251,949. "TAKA-DIASTASE" AND BACKGROUND DESIGN. Registered Jan. 22, 1929. Takamine Ferment Company, New York, N. Y. Renewed Jan. 22, 1949, to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. KOJI, MOYASHI, DIASTASE, FERMENTS, AND CONVERTING AGENTS. Class 6.

252,370. DURABELUM. Registered Feb. 5, 1929. The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York. Renewed Feb. 5, 1949. NONCORROSIVE METALS FOR ARCH SUPPORTS AND SURGICAL APPLIANCES. Class 14.

253,360. UROXYL. Registered Feb. 26, 1929. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Feb. 26, 1949. DIURETICS. Class 6.

253,547. SPARTAN. Registered Feb. 26, 1929. Spartan Aircraft Company, Tulsa, Okla., a corporation of Delaware. Renewed Feb. 26, 1949. AIRPLANES AND AIRPLANE STRUCTURAL PARTS. Class 19.

253,548. HELMETED HEAD DESIGN. Registered Feb. 26, 1929. Spartan Aircraft Company, Tulsa, Okla., a corporation of Delaware. Renewed Feb. 26, 1949. AIRPLANES AND AIRPLANE STRUCTURAL PARTS. Class 19.

253,549. "SPARTAN" AND HELMETED HEAD DESIGN. Registered Feb. 26, 1929. Spartan Aircraft Company, Tulsa, Okla., a corporation of Delaware. Renewed Feb. 26, 1949. AIRPLANES AND AIRPLANE STRUCTURAL PARTS. Class 19.

253,662. LUSTRONE. Registered Mar. 5, 1929. Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware. Renewed Mar. 5, 1949. FINISHES IN THE NATURE OF WATERPROOF LACQUERS FOR USE ON LEATHERS AND ARTIFICIAL LEATHERS. Class 4.

254,268. MOR-EKO. Registered Mar. 19, 1929. John W. Mikaich, doing business as Des Moines Janitor Supply Co., Des Moines, Iowa. Renewed Mar. 19, 1949. GENERAL CLEANING PREPARATION IN POWDERED FORM WITH INCIDENTAL WATER-SOFTENING PROPERTIES. Class 4.

254,277. DEL TALKS. Registered Mar. 19, 1929. Deltox Rug Company, Oshkosh, Wis., a corporation of Wisconsin. Renewed Mar. 19, 1949. PERIODICALS. Class 38.

254,559. ANGELES 1000. Registered Mar. 26, 1929. Tobias Kotzin, doing business as A-1 Manufacturing Co., Los Angeles, Calif. Renewed Mar. 26, 1949. CLOTHING FOR MEN, WOMEN, AND CHILDREN—NAMELY, HATS, CAPS, WAISTS FOR OUTER WEAR, ETC. Class 39.

254,900. FORD. Registered Apr. 2, 1929. Ford Motor Company, Fordson, Mich. Renewed Apr. 2, 1949, to Ford Motor Company, Dearborn, Mich., a corporation of Delaware. CEMENT FOR FIXING TIRES AND TIRE STOPPING COMPOSITION. Class 5.

255,038. "DOT" AND REPRESENTATION OF DOT. Registered Apr. 9, 1929. The Janszen Company, Cincinnati, Ohio, a corporation of Ohio. Renewed Apr. 9, 1949. VEGETABLE SEEDS—NAMELY, CELERY SEED, MUSTARD SEED, AND BIRDSEED. Class 46.

255,107. DISHINE. Registered Apr. 16, 1929. Ames Harris Neville Co., San Francisco, Calif., a corporation of California. Renewed Apr. 16, 1949. DISH TOWELS OF TEXTILE MATERIAL. Class 42.

255,148. FULFLO. Registered Apr. 16, 1929. Fulflo Specialties Company. Renewed Apr. 16, 1949, to The Fulflo Specialties Company, Inc., Blanchester, Ohio, a corporation of Ohio. PUMPS, GREASE GUNS, AND BLOWERS AND PARTS THEREOF. Class 23.

255,197. TRETHYLENE. Registered Apr. 16, 1929. Davies, Rose & Company, Limited, Boston, Mass., a corporation of Massachusetts. Renewed Apr. 16, 1949. VOLATILE LIQUID FOR PAINS IN THE AREA OF THE TRIGEMINUS NERVE. Class 6.

255,207. "PLAYBOY" AND DESIGN. Registered Apr. 16, 1929. Associated Merchandising Corporation. Renewed Apr. 16, 1949, to The Associated Merchandising Corporation, New York, N. Y., a corporation of New York. BOYS' SHOES MADE OF LEATHER. Class 39.

255,442. REPRESENTATION OF RAIL SPIKE. Registered Apr. 23, 1929. The West Virginia Rail Company. Renewed Apr. 23, 1949, to West Virginia Steel and Manufacturing Company, Huntington, W. Va., a corporation of West Virginia. RAIL SECTIONS (STRUCTURAL STEEL) FOR USE IN BUILDING CONSTRUCTION WORK AND ALSO FOR USE AS ROOF SUPPORTS, ETC., IN BUILDINGS. Class 12.

255,471. Σ T. Registered Apr. 23, 1929. Sigma Tau, Lincoln, Nebr., an unincorporated association. Renewed Apr. 23, 1949. PINS, KEYS, AND MEDALS MADE OF OR PLATED WITH PRECIOUS METAL. Class 28.

255,572. LIBERTY. Registered Apr. 23, 1929. Apothecaries Hall Company, Waterbury, Conn., a corporation of Connecticut. Renewed Apr. 23, 1949. INSECTICIDES, DISINFECTANTS, REPELLANTS FOR DESTRUCTIVE BIRDS, CHEMICAL WEED DESTROYERS, ETC. Class 6.

255,936. REPRESENTATION OF POST WITH ITS TOP COLORED ALUMINUM. Registered Apr. 30, 1929. Brooke Anderson. Renewed Apr. 30, 1949, to Inland Steel Company, Chicago, Ill., a corporation of Delaware. METALLIC FENCE POSTS. Class 13.

EGGS, PURE PORK SAUSAGE, CERVELAT SAUSAGE, AND FRANKFURTS. Class 46.

TUNA FISH, BUTTER, COFFEE, CANNED CLAMS, SARDINES, ETC. Class 46.

STRUCTURAL PARTS. Class 19.

618 O. G.—47

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

71,966. TRUE BLUE. Registered Dec. 22, 1908. The International Manufacturing Co., New York, N. Y. HANDKERCHIEFS. Class 39. Corrected as follows: In the renewal certificate, line 2, name of applicant, for "Handerkerchief" read *Handkerchief*.

71,967. BANNER. Registered Dec. 22, 1908. The International Manufacturing Co., New York, N. Y. HANDKERCHIEFS. Class 39. Corrected as follows: In the renewal certificate, line 2, name of applicant, for "Handerkerchief" read *Handkerchief*.

250,530. DIPLOMAT. Registered Dec. 11, 1928. Silx Packing Company, Inc., New York, N. Y. PICKLED PIG'S FOOT TASTIES, PICKLED LAMBS' TONGUES, OX TONGUE (WHOLE, JELLY), PICKLED BONELESS PIGS' FEET, ETC. Class 46. Corrected as follows: In the renewal certificate, line 2, name of applicant, for "Diplomatic Products, Inc." read *Diplomat Products, Inc.*

350,253. GLORIETTA. Registered Sept. 21, 1937. Santa Clara Packing Company, San Jose, Calif. CANNED FRUIT COCKTAIL, ETC. Class 46. Corrected as follows: In the certificate, line 4; and in the statement, line 4, "California" should be *Nevada*.

440,382. ACI-JEL. Registered Aug. 31, 1948. Ortho Pharmaceutical Corporation, Linden, N. J. THERAPEUTIC VAGINAL JELLIES. Class 6. The drawing is hereby amended to appear as follows:

Aci-jel

503,865. FANCIFUL FIGURE AND DESIGN. Registered Nov. 16, 1948. Tuttle & Kift, Inc., Chicago, Ill. ELECTRICAL HEATING UNITS, ETC. Class 21. Corrected as follows: In the statement, column 1, lines 17 and 19, "1947" should be *1941*.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(e), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

29,814. "BETALPH" AND DESIGN. Registered Apr. 13, 1897. Benjamin Altman. WOOLEN DRY GOODS USED IN THE MANUFACTURE OF UNDERWEAR, ETC. Classes 39 and 42. New certificate under section 7(c) issued Jan. 18, 1949, to B. Altman & Co., New York, N. Y., a corporation of New York.

31,548. THE MARVEX. Registered May 17, 1898. Benjamin Altman. GLOVES. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to B. Altman & Co., New York, N. Y., a corporation of New York.

123,910. KNOX. Registered Dec. 17, 1918. Knox Hat Company, Inc. MUFFLERS, SCARFS, ETC. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

130,198. "KNOX" AND DESIGN. Registered Apr. 13, 1920. Knox Hat Company, Inc. CAPS AND HATS FOR MEN, WOMEN, AND CHILDREN; LEATHER AND FABRIC GLOVES; ETC. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

151,121. DUNLAP. Registered Jan. 24, 1922. Dunlap & Co. HATS AND CAPS, ETC. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

174,832. "DOBBS" AND DESIGN. Registered Oct. 23, 1923. Dobbs & Co. CAPS; HATS FOR MEN, ETC. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

223,738. VOYAGEUR. Registered Feb. 8, 1927. Knox Hat Company, Inc. HATS FOR MEN. Class 39. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

260,848. "KNOX" AND DESIGN. Registered Aug. 27, 1929. Knox Hat Company, Inc. FEATHER HAT ORNAMENTS; DECORATIVE HAT PIECES—NAMELY, BASE METAL PINS; ETC. Class 40. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

274,657. "DOBBS" AND DESIGN. Registered Sept. 2, 1930. Dobbs & Co. HAT BRUSHES, ETC. Class 29. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

278,084. "KNOX" AND DESIGN. Registered Dec. 2, 1930. Knox Hat Company, Inc. MEN'S LEATHER HAT BOXES, ETC. Class 3. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

279,378. "DOBBS" AND DESIGN. Registered Jan. 13, 1931. Dobbs & Co. CANES, UMBRELLAS, ETC. Class 41. New certificate under section 7(c) issued Jan. 18, 1949, to Hat Corporation of America, Norwalk, Conn., a corporation of Delaware.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 83,573. Registered Sept. 26, 1911. A. F. Gallun & Sons, Milwaukee, Wis. Republished by A. F. Gallun and Sons Corporation, Milwaukee, Wis., a corporation of Delaware.

VIKING

FOR VEGETABLE-TANNED LEATHER MADE OF CALF, KIP, AND CATTLE HIDES.
Claims use since Jan. 17, 1908.

Reg. No. 154,156. Registered Apr. 4, 1922. Springfield Seed Company, Springfield, Mo., a corporation of Missouri. Republished by registrant.

EXCHANGE

FOR FARM SEED—NAMELY, CLOVER, TIMOTHY, REDTOP, ALFALFA, CANE, MILLET.
Claims use since about June 15, 1921.

Reg. No. 284,100. Registered June 16, 1931. Blue Blaze Coal Company, Salt Lake City, Utah. Republished by Utah Fuel Company, Salt Lake City, Utah, a corporation of New Jersey.

The representation of the goods, and the words "Better Burning," "Coal," and "Blue Blaze" are disclaimed apart from the mark as shown.
FOR COAL OF VARIOUS KINDS AND SIZES.
Claims use since July 17, 1929.

Reg. No. 295,153. Registered June 21, 1932. Compania De Jarcia De Matanzas S. A., also known as Matanzas Cordage Company, Matanzas, Cuba, a corporation of Cuba. Republished by registrant, present address, Habana, Cuba.

JRA

FOR SISAL FIBRE.
Claims use since Jan. 30, 1931.

Reg. No. 295,154. Registered June 21, 1932. Compania De Jarcia De Matanzas S. A., also known as Matanzas Cordage Company, Matanzas, Cuba, a corporation of Cuba. Republished by registrant, present address, Habana, Cuba.

MTA

FOR SISAL FIBRE.
Claims use since May 8, 1931.

Reg. No. 351,287. Registered Oct. 26, 1937. Utah Fuel Company, Salt Lake City, Utah, a corporation of New Jersey. Republished by registrant.

The word "Duspruf" is disclaimed apart from the mark as shown.
FOR SLACK COAL EXPRESSLY PREPARED AND SUITABLE FOR USE IN COAL STOKERS.
Claims use since August 1935.

Reg. No. 297,959. Registered Sept. 29, 1942. Ovington's

Claims use since July 11, 1929.

Reg. No. 366,399. Registered Apr. 11, 1939. FERRY-MORSE SEED CO., Detroit, Mich., a corporation of Michigan. Republished by registrant.

The lines constituting band at each end of packet or envelop represent the color yellow; the lines constituting narrow inner edge of the wide band, represent the color green. The representation of seed envelope is used to define position of the mark and forms no part of the mark per se.

FOR SEEDS, PARTICULARLY VEGETABLE, FLOWER, AND GRASS SEEDS.

Claims use since November 1935.

Reg. No. 409,173. Registered Sept. 19, 1944. GENERAL TEXTILE MILLS, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

GENTEXITE

FOR SHEETS, PLATES, BARS, RODS, AND TUBES OF HEAT MOLDED LAMINATES OF FABRIC AND PHENOL RESINS, ADAPTED TO BE CUT INTO SHAPES, DRILLED, THREADED, AND MACHINED BY MANUFACTURERS.

Claims use since Dec. 14, 1943.

Reg. No. 434,828. Registered Dec. 9, 1947. CATALIN CORPORATION, New York, N. Y., assignee of Catalin Corporation of America. Republished by Catalin Corporation of America, New York, N. Y., a corporation of Delaware.

Catapak

FOR MOLDING POWDER COMPRISING THE REACTION PRODUCT OF PHENOL AND FORMALDEHYDE.

Claims use since Sept. 14, 1944.

Reg. No. 434,867. Registered Dec. 9, 1947. THE RESINOUS PRODUCTS & CHEMICAL COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

UFORMITE

FOR SYNTHETIC RESINOUS MATERIALS IN GRANULAR FORM AND IN SOLUTIONS, AND/OR DISPERSIONS FOR USE IN THE MANUFACTURE OF SURFACE COATINGS, INKS, AND ADHESIVES.

Claims use since Feb. 24, 1936.

CLASS 2

RECEPTACLES

Reg. No. 196,191. Registered Mar. 10, 1925. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

The word "Paper" is disclaimed apart from the mark as shown.

FOR CARTONS AND CONTAINERS CONSTRUCTED WHOLLY OR PARTLY OF PAPER, PAPER BOXES, PAPER PLATES AND DISHES, PAPER DRINKING RECEPTACLES.

Claims use since about Feb. 15, 1901.

Reg. No. 221,743. Registered Dec. 7, 1926. ADVANCE BAG AND PAPER COMPANY, INC., Boston, Mass. Republished by The Albemarle Paper Manufacturing Company, Richmond, Va., a corporation of Virginia.

DIXIE

FOR PAPER BAGS.

Claims use since 1910.

Reg. No. 359,463. Registered Aug. 23, 1938. PITMAN & KEELER, Attleboro, Mass. Republished by Pitman & Keeler, Inc., Attleboro, Mass., a corporation of Massachusetts.

American Queen

FOR BRACELETS, VANITY CASES, AND COMPACTS, MADE WHOLLY OR IN PART OF, OR PLATED WITH, PRECIOUS METAL.

Claims use since Mar. 1, 1917.

Reg. No. 361,073. Registered Oct. 4, 1938. H. & A. SELMER, INCORPORATED, Elkhart, Ind., a corporation of Indiana. Republished by registrant.

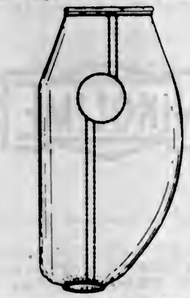
PORTA-CASE

The word "Case" is disclaimed apart from the mark as shown.

FOR SPECIALLY BUILT CONTAINER FOR PORTABLE MUSIC STANDS AND THE LIKE.

Claims use since Jan. 14, 1938.

Reg. No. 385,375. Registered Feb. 25, 1941. THE SCOTT & FETZER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.



The representation of the goods and the representation of the specific bag are disclaimed apart from the mark as shown.

FOR DUST FILTERING AND COLLECTING BAGS FORMED OF FIBROUS MATERIALS FOR SUCTION CLEANERS.

Claims use since Nov. 1, 1934.

Reg. No. 434,573. Registered Nov. 25, 1947. THE KILLINGER COMPANY, Marion, Va., a firm. Republished by registrant.

Shoe-Jacs

The word "Shoes" is disclaimed apart from the mark as shown.

FOR KNITTED TEXTILE BAGS FOR PACKING SHOES IN LUGGAGE TO PREVENT SOILING OF OTHER APPAREL.

Claims use since Apr. 23, 1946.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.

Claims use since 1912.

Reg. No. 397,959. Registered Sept. 29, 1942. OVINGTON'S GIFT SHOP, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OVINGTON'S

FOR LADIES' HANDBAGS, SUIT CASES, BILLFOLDS, EMPTY LEATHER CASES FOR MANICURE SETS, HAT BOXES OF LEATHER, PURSES, POCKETBOOKS, PORTFOLIOS, JEWELRY BOXES OF LEATHER, TRAVELING BAGS, TRAVELING CASES, TRAVELING KITS, AND TRAVELING TOILET CASES MADE OF LEATHER.

Claims use since about Jan. 1, 1895.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 57,565. Registered Nov. 13, 1906. THE MATCHLESS METAL POLISH CO., New York, N. Y., and Chicago, Ill., a corporation of Illinois. Republished by registrant, present addresses Chicago, Ill., and Glen Ridge, N. J.

TRIPOLINE

FOR MATERIAL FOR CLEANING AND POLISHING METAL, GLASS, AND MARBLE.

Claims use since August 1886.

Reg. No. 57,736. Registered Nov. 27, 1906. THE MATCHLESS METAL POLISH CO., New York, N. Y., and Chicago, Ill., a corporation of Illinois. Republished by registrant, present addresses Chicago, Ill., and Glen Ridge, N. J.

The drawing is lined for red.

FOR MATERIAL FOR CLEANING AND POLISHING METAL, GLASS, AND MARBLE.

Claims use since Sept. 1, 1889.

Reg. No. 128,458. Registered Jan. 6, 1920. THE MATCH-

Reg. No. 199,628. Registered June 16, 1925. NEWTON

Reg. No. 375,286. Registered Feb. 13, 1940. ADVANCE

Reg. No. 119,111. Registered Oct. 23, 1917. THE PIERCE COMPANY, East Rochestar, N. Y. Republished by The Pierce Oil Products Carp., East Rochester, N. Y., a corporation of New York.

The diamond figure is disclaimed apart from the mark as shown.

FOR LEATHER-DRESSING OILS.

Claims use since Apr. 9, 1917.

Reg. No. 120,136. Registered Jan. 8, 1918. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and New York, N. Y., a corporation of Illinois. Republished by registrant, present addresses Chicago, Ill., and Glen Ridge, N. J.

FOR BUFFING AND POLISHING COMPOUND IN CAKE FORM FOR METALS.

Claims use since 1912.

Reg. No. 120,137. Registered Jan. 8, 1918. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and New York, N. Y., a corporation of Illinois. Republished by registrant, present addresses Chicago, Ill., and Glen Ridge, N. J.

FOR BUFFING AND POLISHING COMPOUND IN CAKE FORM FOR METALS.

Claims use since July 1, 1887.

Reg. No. 122,273. Registered July 16, 1918. CHARLES H. GAYLORD, Chicago, Ill. Republished by The Matchless Metal Polish Co., Chicago, Ill., and Glen Ridge, N. J., a corporation of Illinois.

The word "Lime" is disclaimed apart from the mark as shown.

FOR LIME, EITHER IN LUMP OR POWDERED FORM, TO BE USED BY HAND OR APPLIED TO BUFFING-WHEELS IN THE POLISHING OF METALS.

Claims use since Oct. 1, 1917.

Reg. No. 128,458. Registered Jan. 6, 1920. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and Glen Ridge, N. J., a corporation of Illinois. Republished by registrant.

The word "Lime" is disclaimed apart from the mark as shown.

FOR BUFFING OR POLISHING COMPOSITION TO BE APPLIED ON BUFFING OR POLISHING WHEELS IN THE BUFFING OR POLISHING OF METALS OR WOOD.

Claims use since Mar. 31, 1919.

Reg. No. 157,733. Registered Aug. 15, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR CLEANING AND POLISHING MATERIALS FOR JEWELRY, METAL WARE, AND PRECIOUS METAL WARE.

Claims use since Jan. 1, 1895.

Ser. No. 167,915. Registered May 8, 1923. THE PIERCE COMPANY, East Rochester, N. Y. Republished by The Pierce Oil Products Corp., East Rochester, N. Y., a corporation of New York.

''BLENDOYL''

FOR OILS FOR TREATING ARTIFICIAL AND REAL LEATHER.

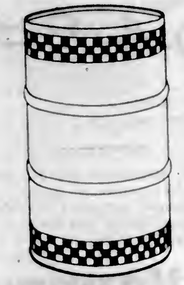
Claims use since July 1, 1922.

Reg. No. 186,271. Registered July 8, 1924. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and Glen Ridge, N. J., a corporation of Illinois. Republished by registrant.

FOR BUFFING AND POLISHING COMPOUND IN CAKE FORM FOR METALS, HARD RUBBER, AND CELLULOID.

Claims use since July 1, 1887.

Reg. No. 199,628. Registered June 16, 1925. NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo. Republished by Hillyard Chemical Company, St. Joseph, Mo., a corporation of Missouri.



The representation of the container is disclaimed apart from the mark as shown.

FOR FURNITURE-CLEANING COMPOUND WITH INCIDENTAL POLISHING PROPERTIES.

Claims use since Sept. 10, 1924.

Reg. No. 278,184. Registered Dec. 9, 1930. HENDERSON BROS. CORPORATION, Johnstown, Pa. Republished by Henderson, Inc., Johnstown, Pa., a corporation of Pennsylvania.

SHOE-GROOM

FOR SHOE DRESSING AND POLISH.

Claims use since July 1, 1930.

Reg. No. 304,696. Registered July 18, 1933. WILSON AND BUSTER, INC., Kansas City, Mo. Republished by A. Reed Wilson, Co., Kansas City, Mo., a corporation of Missouri.

FOR FLOOR AND WALL CLEANER AND LIQUID SOAPS.

Claims use since on or about Nov. 10, 1932.

Reg. No. 344,175. Registered Mar. 16, 1937. ADVANCE POLISHING WHEELS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant, present addresses Chicago, Ill., and Glen Ridge, N. J.

FOR POLISHING WHEELS.

Claims use since Jan. 1, 1932.

Reg. No. 375,286. Registered Feb. 13, 1940. ADVANCE POLISHING WHEELS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant, present address Chicago, Ill., and Glen Ridge, N. J.

The word "Core" is disclaimed apart from the mark as shown.

FOR BUFFS, BUFFING WHEELS, AND POLISHING WHEELS.

Claims use since Sept. 1, 1939.

CLASS 5

ADHESIVES

Reg. No. 368,614. Registered June 27, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, also doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

The word "American" is disclaimed apart from the mark as shown.

FOR ADHESIVE CEMENT FOR SECURING FRICTION ELEMENTS FOR USE IN BRAKES AND CLUTCHES TO THE SUPPORTS THEREFOR.

Claims use since on or about July 13, 1938.

Reg. No. 432,903. Registered Sept. 16, 1947. WUERZBURG BROTHERS, Memphis, Tenn., a firm. Republished by registrant.

FOR GUMMED SEALING TAPE.

Claims use since Feb. 11, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 45,786. Registered Aug. 29, 1905. WILLIAM W. LEE, Troy, N. Y. Republished by William W. Lee & Co., Watervliet, N. Y., a partnership.

FOR CROUP SPECIFIC.

Claims use since Sept. 26, 1889.

Reg. No. 68,085. Registered Mar. 10, 1908. H. A. METZ

Reg. No. 211,607. Registered Apr. 13, 1926. TALBOT

Reg. No. 243,312. Registered June 19, 1928. DE SOTO CHEMICAL CO., INC., Arcadia, Fla., a corporation of

Reg. No. 325,881. Registered July 9, 1935. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation

Reg. No. 68,085. Registered Mar. 10, 1908. H. A. METZ & Co., New York, N. Y. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

SOLIDOGEN

FOR CHEMICAL USED TO TREAT DYED GOODS IN ORDER TO PRODUCE MORE FAST AND STABLE RESULTS.
Claims use since Mar. 6, 1899.

Reg. No. 74,724. Registered Aug. 3, 1909. EMERGENCY LABORATORIES, New York, N. Y. Republished by Block Drug Company, Inc., Jersey City, N. J., a corporation of New Jersey.

POSLAM

FOR REMEDY FOR ERUPTIONAL SKIN DISEASES.
Claims use since Jan. 1, 1906.

Reg. No. 125,387. Registered May 20, 1919. BAIRD & MCGUIRE, INC., Holbrook, Mass., a corporation of Massachusetts. Republished by registrant.

TIC-TOX

FOR CATTLE, SHEEP, AND HORSE DIPS.
Claims use since Dec. 4, 1918.

Reg. No. 144,633. Registered July 12, 1921. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SPRA-MULSION

FOR INSECTICIDES, FUNGICIDES, GERMICIDES, AND THE LIKE.
Claims use since June 1, 1908.

Reg. No. 170,745. Registered July 24, 1923. A. J. KRANK MFG. CO., St. Paul, Minn. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

PINK BLUSH

FOR VANISHING AND MASSAGE CREAM.
Claims use since Mar. 9, 1907.

Reg. No. 181,317. Registered Mar. 18, 1924. THE WANDER COMPANY, Chicago, Ill. Republished by The Wander Company, Chicago, Ill., a corporation of Delaware.

ALUCOL

FOR COLLOIDAL HYDROXIDE OF ALUMINUM, A PREPARATION USED IN THE TREATMENT OF GASTRIC HYPERACIDITY.
Claims use since May 1, 1923.

Reg. No. 211,607. Registered Apr. 13, 1926. TALBOT MANUFACTURING CO., Los Angeles, Calif. Republished by Talbot Mfg. Co., Los Angeles, Calif., a corporation of California.

John H. Talbot

FOR INSECTICIDES.
Claims use since 1913.

Reg. No. 228,362. Registered May 31, 1927. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Leverkusen, near Cologne-on-the-Rhine, Germany. Republished by General Dyestuff Corporation, New York, N. Y., a corporation of New York.

Cellappret

FOR COMPOSITIONS FOR SIZING, STIFFENING, AND FINISHING THREAD, YARNS, AND OTHER TEXTILE MATERIALS, INCLUDING ARTIFICIAL SILKS.
Claims use since about August 1926.

Reg. No. 230,756. Registered Aug. 2, 1927. W. D. CARPENTER CO. INC., Syracuse, N. Y., a corporation of New York. Republished by registrant.

NOX-TOX

FOR INSECTICIDES.
Claims use since Mar. 10, 1927.

Reg. No. 232,438. Registered Sept. 6, 1927. BAIRD & MCGUIRE, INC., Holbrook, Mass., a corporation of Massachusetts. Republished by registrant.

CRESTALL

FOR DISINFECTANTS AND INSECTICIDES.
Claims use since Apr. 1, 1918.

Reg. No. 238,824. Registered Feb. 14, 1928. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

BULL DOG

FOR INSECTICIDE.
Claims use since 1912.

Reg. No. 241,918. Registered May 8, 1928. GENERAL DYESTUFF CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Violamine

FOR DYESTUFFS.
Claims use since April 1894.

Reg. No. 243,312. Registered June 19, 1928. DE SOTO CHEMICAL CO., INC., Arcadia, Fla., a corporation of Florida. Republished by registrant.

The word "Brand" is disclaimed apart from the mark as shown.
FOR ROACH, ANT, RAT, AND MOUSE EXTERMINATOR.
Claims use since November 1919.

Reg. No. 258,363. Registered July 2, 1929. AMERICAN COMPANY OF ARKANSAS, Little Rock, Ark. Republished by Edward S. Carmack, doing business as Zip Manufacturing Company, Little Rock, Ark.

"ZIP"
THE INSECT -GONE!!

FOR INSECTICIDES.
Claims use since Jan. 5, 1927.

Reg. No. 280,107. Registered Feb. 10, 1931. A. J. KRANK COMPANY, St. Paul, Minn. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

FACE-VALUE

FOR FACE LOTION.
Claims use since Sept. 1, 1930.

Reg. No. 299,639. Registered Dec. 13, 1932. BAIRD & MCGUIRE, INC., Holbrook, Mass., a corporation of Massachusetts. Republished by registrant.

Baird's

FOR INSECTICIDES.
Claims use since Apr. 1, 1932.

Reg. No. 315,767. Registered Aug. 7, 1934. THE KENDALL COMPANY, Boston, Mass. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

VELURE

FOR HAND LOTION.
Claims use since Mar. 8, 1934.

Reg. No. 325,881. Registered July 9, 1935. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SOLFAST

FOR DYESTUFFS, DYES, AND DRY COLORS FOR USE IN THE MANUFACTURE OF DYES.
Claims use since Dec. 6, 1934.

Reg. No. 333,669. Registered Mar. 31, 1936. BATTLE CREEK DRUGS, INC., Battle Creek, Mich. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

BonKora

FOR TONICS FOR STIMULATING THE APPETITE AND PROMOTING GASTRIC DIGESTION AND TONIC LAXATIVES.
Claims use since Feb. 1, 1931.

Reg. No. 336,486. Registered July 7, 1936. THE BIRD-ARCHER COMPANY, New York, N. Y. Republished by The Bird-Archer Company, New York, N. Y., a corporation of New York.

PREFERRED

FOR PREPARATION FOR USE ON GRATE SURFACES AND FOR THE PREVENTION AND REMOVAL OF SOOT AND FIRE SCALE DEPOSITS IN BOILERS.
Claims use since July 1, 1933.

Reg. No. 371,166. Registered Sept. 19, 1939. ALLEN H. RABIN, doing business as The Rabin Company, Los Angeles, Calif. Republished by The Rabin Company, Los Angeles, Calif, a partnership.

"Hollywood Extra"

The word "Hollywood" is disclaimed part from the mark as shown.
FOR TOILET PREPARATIONS—NAMELY, COLD CREAM, BRILLIANTINE, HAIR CREAM, HAIR OIL, AND OIL SHAMPOO.
Claims use since Jan. 1, 1935.

Reg. No. 374,966. Registered Jan. 30, 1940. LA COMPAONIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

PEXTOSE

FOR PHARMACEUTICAL PRODUCT IN THE FORM OF GRANULES, TABLETS, AND SOLUTIONS, FOR USE IN THE TREATMENT OF DISEASES OF THE STOMACH.
Claims use since Jan. 28, 1939.

Reg. No. 375,548. Registered Feb. 20, 1940. LA COM-

Reg. No. 401,928. Registered June 15, 1943. NATIONAL

Reg. No. 435,063. Registered Dec. 9, 1947. AVON PROD-

Reg. No. 176,594. Registered Nov. 27, 1923. COMPANIA

Reg. No. 375,548. Registered Feb. 20, 1940. LA COMPAGNIE PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

CADMINE

FOR CHEMICAL COMPOUND IN GRANULAR FORM OR IN ANY OTHER FORM USED AS A TONIC FOR CONVALESCENTS AND THE DEFICIENCIES OF GROWING CHILDREN.
Claims use since Oct. 1, 1938.

Reg. No. 388,123. Registered June 10, 1941. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

GEM

FOR LIGHTER FLUID.
Claims use since Oct. 26, 1940.

Reg. No. 389,678. Registered Aug. 19, 1941. KARL MALLARD, doing business as A. E. Mallard, Detroit, Mich. Republished by A. E. Mallard Laboratories, Inc., Detroit, Mich., a corporation of Michigan.

HORMOGEN-F

FOR MEDICAL PREPARATION—VIZ., PURIFIED NATURALLY OCCURRING ESTROGENIC SUBSTANCES IN OIL SOLUTION FOR INTRAMUSCULAR USE.
Claims use since Nov. 29, 1937.

Reg. No. 391,703. Registered Nov. 18, 1941. LA CIE. PHARMACEUTIQUE DESBERGERS, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

FERTINIC

FOR HEMATINIC IRON FOR ANEMIA.
Claims use since Aug. 15, 1940.

Reg. No. 401,928. Registered June 15, 1943. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

APPARATUS OXYGEN NATIONAL ACETYLENE

The words "Oxygen," "Acetylene," and "Apparatus" are disclaimed apart from the mark as shown.
FOR WELDING AND BRAZING FLUXES FOR CAST IRON, MALLEABLE IRON, BRASS, BRONZE, COPPER AND STEEL, AND ALUMINUM FLUXES.
Claims use since Mar. 25, 1938.

Reg. No. 433,996. Registered Nov. 4, 1947. THE NATIONAL DRUG COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SED-A-NAT

FOR MILD SEDATIVE CONTAINING PHENOBARBITAL.
Claims use since May 23, 1941.

Reg. No. 434,015. Registered Nov. 4, 1947. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

RAT-TROL

The word "Rat" is disclaimed apart from the mark as shown.
FOR RODENTICIDE.
Claims use since Sept. 19, 1946.

Reg. No. 434,901. Registered Dec. 9, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RED TAG

The word "Red" is disclaimed apart from the mark as shown.
FOR LIPSTICKS, ROUGES, AND NAIL POLISH.
Claims use since Oct. 3, 1946.

Reg. No. 435,002. Registered Dec. 9, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

HOPE CHEST

FOR COLOGNES AND BODY POWDER.
Claims use since Jan. 20, 1947.

Reg. No. 435,063. Registered Dec. 9, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

WISH CHEST

FOR COLOGNES AND BODY POWDER.
Claims use since Jan. 20, 1947.

Reg. No. 435,061. Registered Dec. 9, 1947. ROHM & HAAS COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

DMP

FOR SUBSTITUTED AMINOMETHYLPHENOLS.
Claims use since Nov. 25, 1946.

Reg. No. 435,075. Registered Dec. 9, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUMMER ROSE

The word "Rose" is disclaimed apart from the mark as shown.
FOR LIPSTICK, ROUGE, NAIL POLISH, AND FACE POWDER.
Claims use since Mar. 27, 1947.

CLASS 7

CORDAGE

Reg. No. 106,501. Registered Oct. 19, 1915. RAFFLOER, ERBSLOH AND COMPANY, New York, N. Y. Republished by Compania De Jarcia De Matanzas S. A., Habana, Cuba, a corporation of Cuba.

REY

FOR ROPE, BINDER, AND OTHER TWINES.
Claims use since Apr. 14, 1915.

Reg. No. 176,594. Registered Nov. 27, 1923. COMPANIA DE JARCIA DE MATANZAS S. A., also known as Matanzas Cordage Company, Matanzas, Cuba, a corporation of Cuba. Republished by registrant, present address, Habana, Cuba.

CROWN BRAND M·C·Co

The word "Brand" is disclaimed apart from the mark as shown.
FOR ROPE AND TWINE.
Claims use since Sept. 29, 1922.

Reg. No. 378,766. Registered June 18, 1940. FREYDBERG BROS., INC., Stamford, Conn. Republished by Freydberg Bros.-Strauss, Inc., New York, N. Y., a corporation of New York.

BEAU-TYE

The word "Tye" is disclaimed apart from the mark as shown.
FOR RIBBON COMPOSED OF A PLURALITY OF PARALLEL COTTON THREADS OR STRANDS ADHERED TOGETHER BY AN ADHESIVE FOR TYING PACKAGES AND OTHER USES.
Claims use since Jan. 4, 1940.

Reg. No. 431,281. Registered July 15, 1947. COMPANIA DE JARCIA DE MATANZAS, S. A., also known as Matanzas Cordage Company, Habana, Cuba, a corporation of Cuba. Republished by registrant.

SICO

FOR ROPE.
Claims use since about 1936.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 156,826. Registered July 11, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR SCARFPINS, WATCH CHAINS, CUFF LINKS; JEWELRY FOR PERSONAL WEAR, NOT INCLUDING

CLASS 12

WATCHES; PLATTERS AND PLATES MADE OF PRECIOUS METAL, SHEFFIELD WARE; VASES, BOWLS, PLATTERS, AND PLAQUES OF ENAMEL WARE ORNAMENTED WITH PRECIOUS METALS NOT INCLUDING WARE MADE OF ENAMELED STEEL; TABLE KNIVES, FORKS, AND SPOONS OF PRECIOUS METALS FOR HOUSEHOLD USE; MATCH BOXES OF PRECIOUS METALS, CIGAR AND CIGARETTE HOLDERS OF PRECIOUS METALS, CIGAR AND CIGARETTE CASES OF PRECIOUS METALS, HUMIDORS AND ASH TRAYS OF PRECIOUS METALS, CANDLESTICKS AND CANDELABRA OF PRECIOUS METALS, INKSTANDS OF PRECIOUS METALS, PEN POINTS OF PRECIOUS METALS, PEN HOLDERS OF PRECIOUS METALS, PEN STANDS AND PEN RACKS OF PRECIOUS METALS, DESK SETS OF PRECIOUS METALS, BOOKMARKS OF PRECIOUS METALS, PAPER WEIGHTS AND PAPER CUTTERS OF PRECIOUS METALS, FOUNTAIN PENS AND PENCILS OF PRECIOUS METALS.

Claims use since Jan. 1, 1895.

Reg. No. 398,290. Registered Oct. 20, 1942. OVINGTON'S GIFT SHOP, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OVINGTON'S

FOR ASH RECEIVERS AND TRAYS, CIGARETTE HOLDERS, CIGARETTE CASES, HUMIDORS, SMOKING PIPES, AND TOBACCO POUCHES.

Claims use since about Jan. 1, 1895.

CLASS 10

FERTILIZERS

Reg. No. 391,523. Registered Nov. 11, 1941. PLANTERS COTTON OIL & FERTILIZER CO., Rocky Mount, N. C., a corporation of Delaware. Republished by registrant.

FERAX

FOR PLANT FOODS USED PRIMARILY TO SIDE-DRESS CROPS SUCH AS COTTON, CORN, AND SMALL GRAINS.

Claims use since May 1, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 57,538. Registered Nov. 13, 1906. THE PARAFFINE PAINT CO., San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

MALTHOID

FOR WATERPROOF AND WEATHERPROOF BUILDING AND ROOFING MATERIALS MADE OF PAPER AND FELT IN WHOLE OR IN PART.

Claims use since Jan. 1, 1903.

Reg. No. 75,095. Registered Aug. 31, 1909. THE PARAFFINE PAINT CO., San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

PABCO

FOR WATERPROOF ROOFINGS AND BUILDING-PAPERS MANUFACTURED FROM WATERPROOF MATERIALS COMBINED WITH PAPER OR FELT OR A COMBINATION OF SUCH MATERIALS.

Claims use since July 1, 1904.

Reg. No. 273,570. Registered Aug. 5, 1930. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

MALTHOID

FOR PREPARED ROOFING, BUILDING PAPER, AND INSULATING PAPER, ALL OF WHICH COMPRISES A BODY OF FIBROUS MATERIAL IN SHEET FORM WHICH MAY OR MAY NOT BE COATED AND/OR SATURATED IN WHOLE OR IN PART WITH A BITUMINOUS OR ASPHALTIC COMPOUND.

Claims use since about May of 1903.

Reg. No. 286,057. Registered Aug. 11, 1931. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCOTITE

FOR BUILDING PAPER, THERMAL AND ACOUSTICAL INSULATING PAPER, PROTECTIVE COVERING FOR WRAPPED PIPES, DAMPCOURSE, AND ROOFING, ALL OF WHICH COMPRISE A BODY OF FIBROUS MATERIAL IN SHEET FORM WHICH MAY OR MAY NOT BE LAMINATED, AND WHICH MAY OR MAY NOT BE COATED AND/OR SATURATED IN WHOLE OR IN PART WITH A BITUMINOUS OR ASPHALTIC COMPOUND.

Claims use since Aug. 3, 1928.

Reg. No. 295,718. Registered July 12, 1932. THE LOGAN-LONG COMPANY, Chicago, Ill., a corporation of Ohio. Republished by registrant.

BATTLEDECK

FOR BUILDING MATERIAL, MORE PARTICULARLY PREPARED ROOFING AND SHINGLES OF THE TYPE COMPRISING A FIBROUS BASE IMPREGNATED WITH A WATERPROOF COMPOUND AND COVERED WITH GRIT.

Claims use since Dec. 28, 1931.

Reg. No. 374,429. Registered Jan. 9, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BLAXPHALT

FOR PLASTIC, ASPHALT OR COAL-TAR MATERIALS TO BE USED IN COATING ROOFS, DRAIN PIPES, AND SIMILAR SURFACES.

Claims use since June 13, 1939.

Reg. No. 381,202. Registered Sept. 17, 1940. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

ALUMI-SHIELD

The word "Shield" is disclaimed apart from the mark as shown.

FOR FIBROUS MATERIALS IN SHEET FORM WHICH MAY OR MAY NOT BE COATED OR SATURATED WITH A BITUMINOUS OR ASPHALTIC COMPOUND FOR USE AS PREPARED ROOFING, BUILDING PAPERS, INSULATING PAPERS, LINERS, AND PROTECTING COATINGS IN BUILDING AND CONSTRUCTION WORK AND FOR OTHER INDUSTRIAL PURPOSES.

Claims use since Sept. 8, 1939.

Reg. No. 397,210. Registered Aug. 25, 1942. CURTIS COMPANIES INCORPORATED, Clinton, Iowa, a corporation of Iowa. Republished by registrant.

OVERMATIC

FOR GARAGE DOOR AND PARTS THEREOF.

Claims use since Feb. 5, 1942.

Reg. No. 434,708. Registered Dec. 2, 1947. MCFEELY BRICK COMPANY, Latrobe, Pa., a corporation of Pennsylvania. Republished by registrant.

GRAFTEX

FOR FIREBRICKS.

Claims use since Nov. 26, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 30,910. Registered Nov. 30, 1897. H. MUELLER MANUFACTURING COMPANY, Decatur, Ill. Republished by Mueller Co., Decatur, Ill., a corporation of Illinois.

H M

FOR VALVE, COCKS, PRESSURE REGULATORS, AND TAPPING MACHINES.

Claims use since about the middle or 15th of February, 1887.

Reg. No. 65,949. Registered Oct. 29, 1907. HOWARD B. SHERMAN, Battle Creek, Mich. Republished by H. B. Sherman Manufacturing Co., Battle Creek, Mich., a corporation of Michigan.

Diamond

FOR NOZZLES.

Claims use since Dec. 14, 1903.

Reg. No. 66,513. Registered Dec. 10, 1907. H. MUELLER MANUFACTURING COMPANY, Decatur, Ill. Republished by Mueller Co., Decatur, Ill., a corporation of Illinois.

MUELLER

FOR BRASS AND IRON PIPE FITTINGS.

Claims use since on or about Mar. 1, 1887.

Reg. No. 85,269. Registered Feb. 6, 1912. H. MUELLER MANUFACTURING COMPANY, Decatur, Ill. Republished by Mueller Co., Decatur, Ill., a corporation of Illinois.

MUELLER

FOR COMBINED WASTE AND OVERFLOWS AND PARTS OF SAME, TRAPS, COMBINED TRAP SCREWS AND FERRULES, BATH AND BASIN COCKS, BATH AND BASIN COCK SUPPLIES, WASTE AND VENT CONNECTIONS, TRAP COVERS, SLIP JOINT T's, BRASS AND IRON PLUGS, ELBOWS, T's AND BENDS, TRAP SCREWS, SERVICE BOX COVERS, SERVICE BOX KEYS, SERVICE BOX INCREASERS, REDUCING T's, COMBINED T's AND ELBOWS, SLIP JOINT UNION COUPLINGS, FLOOR FLANGES, SLIP JOINT FLOOR FLANGES, BATH COCK TAIL PIECES, VALVES AND PARTS, GOOSE NECKS, DRIP CAPS, BATH AND SINK PLUGS, CHAIN STAYS, COCK HOLE COVERS, CLOSET FLOOR FLANGES, BATH AND BASIN STOPPERS, HOSE COUPLINGS AND BUSHINGS, MULTIPLE COCKS, HOPPER COCKS, CHECK VALVES, QUICK OPENING VALVES, METER COUPLINGS, BASIN CLAMPS, WATER BACK COUPLINGS, BOILER COUPLINGS, SOLDERING UNIONS, SOLDERING NIPPLES, LAVATORY TRAPS, LAVATORY STOPS, GLOBE VALVES, COMBINED SUPPLY AND BATH COCK CONNECTIONS, SLIP JOINT ELBOWS, SERVICE T PLUGS, ADJUSTABLE FLANGES, INTERCHANGEABLE COCK HANDLES, COMPRESSION VALVE FITTINGS, BRANCH CONNECTIONS, LEAD FLANGE COCKS, LEAD FLANGE UNION COUPLINGS AND PLUGS, REGULATOR UNION COUPLINGS, METER UNION

COUPLINGS, BRASS FERRULES, COMBINED BRASS

RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT

Reg. No. 345,588. Registered May 4, 1937. THE HOT-

Reg. No. 229,183. Registered June 21, 1927. WHEELOCK,

COUPLINGS, BRASS FERRULES, COMBINED BRASS AND IRON FERRULES, ANGLE VALVES, STOP AND WASTE COCKS, SWING SPOUT BASIN COCKS, QUICK OPENING BIBS AND BASIN COCKS, STRAINERS, SAND SCREENS AND STRAINERS, BALL COCKS, FLOAT VALVES, AND THREE WAY COCKS.
Claims use since on or about Mar. 1, 1887.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 122,123. Registered July 2, 1918. ALUMINUM GOODS MFG. COMPANY, Manitowoc, Wis., a corporation of New Jersey. Republished by registrant.

MIRRO
A.G.M. Co.

FOR ALUMINUM COOKING UTENSILS AND HOUSEHOLD GOODS, COMPRISING PERCOLATING COFFEE-POTS, COFFEE-POTS, TEAPOTS, DOUBLE BOILERS, TEA-KETTLES, LIPPED SAUCEPANS, BERLIN SAUCEPANS, WINDSOR SAUCEPANS, STOCKPANS, PUDDING-PANS, LIPPED FRY-PANS, MIXING-BOWLS, PRESERVING-POTS, BERLIN POTS, STOCK-POTS, PRESERVING-KETTLES, STEW-PANS, BERLIN KETTLES, STOCK-KETTLES, PIE-PLATES, JELLY-CAKE PANS, BREAD-PANS, TUBED CAKE-PANS, COLANDERS, ROASTERS, DOUBLEFRY-PANS, MUFFIN-PANS, CORN-CAKEPANS, MOUNTAIN-CAKE PANS, DRIP-PANS, DAIRY-PANS, SHALLOWCAKE-PANS, BISCUIT-PANS, TRIPLICATE SAUCEPANS, FIRELESS-COOKER POTS, DISH-PANS, KETTLE AND POT COVERS, GRIDDLES, BREAD-BOARDS, STRAINERS, COOKY-PANS, WATER-PITCHERS, GRIDDLE-CAKE COVERS, PAILS, BUCKETS, WASH-BASINS, LADLES, DIPPERS, SKIMMERS, POTATO-MASHERS, CAKE-TURNERS, FUNNELS, JELLY-MOLDS, SALT AND PEPPER-SHAKERS, LEMONADE-SHAKERS, CUPS, AND BREAD-RAISERS.
Claims use since Aug. 20, 1917.

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

Reg. No. 177,255. Registered Dec. 11, 1923. CONTINENTAL WOOD SCREW CO., New Bedford, Mass. Republished by Continental Screw Company, New Bedford, Mass., a corporation of Massachusetts.

HOLTITE

FOR WOOD SCREWS.
Claims use since Mar. 29, 1923.

Reg. No. 290,835. Registered Jan. 19, 1932. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

H-SERVICE PIPE-M

The words "Service Pipe" are disclaimed apart from the mark as shown.
FOR NON-FERROUS PIPE.
Claims use since on or about Apr. 10, 1931.

Reg. No. 321,973. Registered Feb. 19, 1935. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

Electro-Brew

The word "Brew" is disclaimed apart from the mark as shown.
FOR COFFEE POTS AND COFFEE URNS.
Claims use since Sept. 30, 1931.

Reg. No. 322,606. Registered Mar. 12, 1935. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

Thermo-Drip
COFFEE MAKER

The words "Drip" and "Coffee Maker" are disclaimed apart from the mark as shown.
FOR COFFEE POTS AND URNS.
Claims use since June 6, 1934.

Reg. No. 345,588. Registered May 4, 1937. THE HOT-STREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FILTRAP

FOR COMBINATION TRAPS AND FILTERS.
Claims use since January 1932.

Reg. No. 375,040. Registered Feb. 6, 1940. GLEN S. SLOUGH, Harrisburg, Pa. Republished by Vita Craft Corporation, Kansas City, Mo., a corporation of Missouri.

Vita Craft
PRODUCT

The word "Product" is disclaimed apart from the mark as shown.
FOR BASE METAL COOKING AND TABLE HOLLOWARE.
Claims use since May 26, 1939.

Reg. No. 381,450. Registered Sept. 24, 1940. MUELLER CO., Decatur, Ill., a corporation of Illinois. Republished by registrant.

MUELLER

FOR FAUCETS, PLUMBING VALVES, SHOWER BATH FITTINGS, BATH TUB FITTINGS, AND LAVATORY FITTINGS.
Claims use since on or about Jan. 10, 1940.

Reg. No. 402,124. Registered June 29, 1943. CARL S. PLAUT, doing business as Inerto Company, San Francisco, Calif. Republished by The Inerto Company, San Francisco, Calif., a firm.

PANATOMIZER

FOR PIPE COUPLINGS AND FEED VALVES.
Claims use since Mar. 6, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 164,829. Registered Feb. 27, 1923. STANDARD STEEL WORKS COMPANY, Philadelphia, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.

FOR SOLID FORGED GEAR BLANKS, IRON FORGINGS, STEEL CASTINGS, AND STEEL FORGINGS.
Claims use since June 1893.

Reg. No. 229,183. Registered June 21, 1927. WHEELOCK, LOVEJOY & COMPANY, INC., Cambridge, Mass., New York, N. Y., Cleveland, Ohio, and Chicago, Ill, a corporation of Massachusetts. Republished by registrant, present address Cambridge, Mass.

HY-TEN

FOR IRON AND UPON TOOL STEELS, MACHINERY STEELS, AND ALLOY AND OTHER STEELS IN BARS, SHAPES, SHEETS, STRIPS, FORGINGS, AND CASTINGS.
Claims use since Jan. 1, 1911.

Reg. No. 241,836. Registered May 8, 1928. CHICAGO STEEL & WIRE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HYBAR

FOR STAPLING WIRE.
Claims use since Feb. 16, 1927.

Reg. No. 373,742. Registered Dec. 19, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

CUMANITE

FOR FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS.
Claims use since Jan. 5, 1939.

Reg. No. 373,934. Registered Dec. 26, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

CHROMANAL

FOR FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS.
Claims use since Jan. 5, 1939.

Reg. No. 374,363. Registered Jan. 9, 1940. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

DIEWELD

FOR WELDING RODS AND METAL ALLOYS HAVING A FERROUS BASE.
Claims use since Feb. 7, 1939.

CLASS 15

OILS AND GREASES

Reg. No. 103,125. Registered Mar. 16, 1915. STANDARD OIL COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

KYSO

FOR NAPHTHA, BENZIN, GASOLENE, LUBRICATING-OIL, LUBRICATING-GREASES, AND REFINED OIL FOR ILLUMINATING, HEATING, AND POWER PURPOSES.
Claims use since July 1, 1914.

Reg. No. 414,524. Registered June 12, 1945. B. S. BALLARD, doing business as Bluegate Candle Co., Montara, Calif. Republished by Bluegate Candle Company, Montara, Calif., a copartnership.

FOR CANDLES.
Claims use since March 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 149,862. Registered Dec. 27, 1921. CALIFORNIA PAINT COMPANY, Oakland, Calif. Republished by General Paint Corporation, San Francisco, Calif., a corporation of Nevada.

PREMO

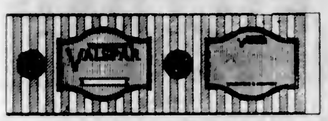
FOR MIXED AND DRY PAINT, STAINS, VARNISHES, PAINT ENAMELS.
Claims use since 1875.

Reg. No. 176,544. Registered Nov. 27, 1923. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PARA-FLAT

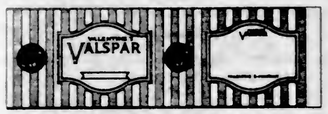
FOR FLAT UNDERCOAT PAINT FOR INTERIOR WORK.
Claims use since Feb. 1, 1923.

Reg. No. 261,569. Registered Sept. 17, 1929. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The drawing is lined to indicate the colors brown, gray, red, blue, and pink which are claimed as features of the mark. The representation of the label is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINTS.
Claims use since Feb. 9, 1929.

Reg. No. 261,570. Registered Sept. 17, 1929. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.



The drawing is lined to indicate the colors blue, gray, and red which are claimed as features of the mark. The representation of the label is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINTS.
Claims use since Feb. 7, 1929.

Reg. No. 278,147. Registered Dec. 9, 1930. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

BRITONE

FOR PAINTS (READY MIXED OR LIQUID, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, AND DRY COLOR FOR USE IN PAINTS, PAINT ENAMELS, AND LACQUERS.
Claims use since July 2, 1930.

Reg. No. 280,636. Registered Feb. 24, 1931. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

The drawing is lined to indicate the colors green, yellow, red and blue which are claimed as features of the mark. The representation of the label is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINTS.
Claims use since June 1, 1930.

Reg. No. 286,574. Registered Sept. 1, 1931. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KEM-SPAR

The name "Spar" is disclaimed apart from the mark as shown.
FOR PAINTS (PASTE, SEMILIQUID OR READY-MIXED FORM), VARNISHES, LACQUERS, PAINT ENAMELS, VARNISH ENAMELS, AND LACQUER ENAMELS.
Claims use since Mar. 27, 1931.

Reg. No. 317,828. Registered Oct. 9, 1934. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PERMANSA

FOR DRY COLORS AND PIGMENTS AND INGREDIENTS OF COLORS, FOR USE IN MAKING PAINTS, ENAMELS, AND LACQUERS.
Claims use since Aug. 24, 1933.

Reg. No. 317,946. Registered Oct. 9, 1934. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

CIN-DEK

FOR PAINT ENAMEL FOR WOOD AND METAL SURFACES.
Claims use since May 15, 1934.

Reg. No. 324,587. Registered May 21, 1935. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KEM-NAMEL

The word "Namel" is disclaimed apart from the mark as shown.
FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, AND PAINT, ENAMEL, VARNISH, AND LACQUER FILLERS.
Claims use since Nov. 21, 1934.

Reg. No. 368,660. Registered June 27, 1939. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR READY-MIXED LIQUID, PASTE, AND EMULSIFIED PAINTS; PAINT-ENAMELS; LACQUERS; VARNISHES, PIGMENTS GROUND IN OIL OR IN DRY FORM; PAINT AND VARNISH OILS; THINNERS FOR PAINTS, VARNISHES, AND OILS; UNDERCOATERS AND PRIMERS; READY TO MIX AND READY MIXED FLAKED METAL PAINTS; COLD WATER PAINTS AND CALCIMINE; PAINT, ENAMEL, AND VARNISH REMOVERS; PAINT, ENAMEL, AND VARNISH DRIERS; PUTTY; BITUMINOUS PAINTS; PRESERVATIVE, FUNGICIDAL, AND TERMITE TREATMENT PAINTS; AND PAINTS CONTAINING ASBESTOS FIBRES.
Claims use since July 1, 1904.

Reg. No. 370,582. Registered Aug. 29, 1939. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

KROMALIN

FOR PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS.
Claims use since Jan. 18, 1938.

Reg. No. 380,074. Registered Aug. 6, 1940. JOHN RALPH SULLIVAN, doing business as Aluminum Paint & Color Co., Cincinnati, Ohio. Republished by The Black Diamond Paint & Varnish Works, Inc., Cincinnati, Ohio, a corporation of Ohio.

ALPACO

FOR ALUMINUM PAINT.
Claims use since Feb. 16, 1940.

Reg. No. 407,671. Registered June 20, 1944. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Kem-Tone

FOR PAINT IN PASTE FORM.
Claims use since about Aug. 15, 1942.

Claims use since Feb. 1, 1923.

Claims use since June 1, 1930.

Claims use since Nov. 21, 1934.

Reg. No. 427,101. Registered Jan. 28, 1947. UNION CHEMICAL & OIL CO., Chicago, Ill., a firm. Republished by registrant.

Min-Ra-Lite

FOR WATERPROOF ROOF PAINT.
Claims use since May 1937.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 152,860. Registered Mar. 7, 1922. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

JOHN RUSKIN

FOR CIGARS.
Claims use since about May 1, 1893.

Reg. No. 153,227. Registered Mar. 14, 1922. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

FLOR DE MELBA

FOR CIGARS.
Claims use since about Apr. 1, 1894.

Reg. No. 301,345. Registered Feb. 28, 1933. JOSE ESCALANTE & Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR CIGARS.
Claims use since 1884.

Reg. No. 313,810. Registered June 12, 1934. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant.

No claim is made to the color of the label.
FOR CIGARS.
Claims use since 1932.

CLASS 19

VEHICLES

Reg. No. 230,294. Registered July 19, 1927. AMERICAN ROAD MACHINERY COMPANY, Kennett Square, Pa. Republished by Good Roads Machinery Corporation, Detroit, Mich., a corporation of Pennsylvania.

CHAMPION

FOR DISTRIBUTING WAGONS, DUMPING WAGONS, AND ROAD OIL DISTRIBUTORS.
Claims use since on or about Oct. 1, 1883.

Reg. No. 362,527. Registered Nov. 22, 1938. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

ABK

FOR SILLS FOR REFRIGERATOR CAR DOORS AND THE LIKE.
Claims use since on or about Dec. 21, 1936.

Reg. No. 365,624. Registered Mar. 14, 1939. HENRY COHN, Chicago, Ill. Republished by Marine Craft Corporation of America, Chicago, Ill., a corporation of Illinois.

WATER MASTER

FOR ROWBOATS AND MOTOR BOATS.
Claims use since June 1, 1937.

Reg. No. 402,088. Registered June 29, 1943. GENERAL TEXTILE MILLS, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

FOR PARACHUTES.
Claims use since Jan. 21, 1943.

Reg. No. 408,270. Registered Sept. 14, 1943. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y., now by change of name American Brake Shoe Company. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

AMERICAN BRAKEBLOK

The word "American" is disclaimed apart from the mark as shown.
FOR VEHICLE WHEELS AND TRUCK CASTER WHEELS OF COMPOSITION MATERIAL.
Claims use since on or about Mar. 18, 1943.

Reg. No. 418,501. Registered Jan. 1, 1946. GENERAL TEXTILE MILLS, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

GENTEXITE

FOR RIGID AND SEMIRIGID CASINGS, WITH REMOVABLE COVERS, FOR PARACHUTE PACKS OF VARIOUS TYPES, SUCH AS SEAT PACKS, BODY PACKS, BOMB PARACHUTE PACKS, AND THE LIKE; AND ASSEMBLED UNITS INCLUDING SUCH CASINGS AND COVERS AND THE PARACHUTES PACKED THEREIN.
Claims use since Dec. 14, 1943.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 211,469. Registered Apr. 13, 1926. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.
FOR PREPARED FLOOR COVERINGS COMPRISING A BODY OF FIBROUS MATERIAL SATURATED WITH BITUMINOUS OR ASPHALTIC MATERIAL AND HAVING A PAINTED OR PRINTED SURFACE.
Claims use since 1917.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 72,677. Registered Feb. 9, 1909. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

SILKENITE

FOR INSULATED ELECTRICAL CONDUCTORS.
Claims use since June 1908.

Reg. No. 72,678. Registered Feb. 9, 1909. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

COTTONITE

FOR INSULATED ELECTRICAL CONDUCTORS.
Claims use since June 1908.

FOR CIGARS.
Claims use since 1884.

THE LIKE.
Claims use since on or about Dec. 21, 1936.

COVERS AND THE PARACHUTES PACKED THEREIN.
Claims use since Dec. 14, 1943.

Claims use since June 1908.

Reg. No. 72,679. Registered Feb. 9, 1909. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

ENAMELITE

FOR INSULATED ELECTRICAL CONDUCTORS.
Claims use since June 1908.

Reg. No. 73,129. Registered Mar. 16, 1909. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

C A M E

FOR ELECTROMAGNETS.
Claims use since Oct. 17, 1908.

Reg. No. 214,612. Registered June 29, 19'6. ELEVATOR SUPPLIES CO., INC., Hoboken, N. J., a corporation of New Jersey. Republished by registrant, present address Perth Amboy, N. J.

FADELITE

FOR ELECTRIC POSITION INDICATOR FOR ELEVATORS.
Claims use since about Jan. 1, 1925.

Reg. No. 275,645. Registered Sept. 23, 1930. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR INSULATING VARNISHES AND INSULATING TAPE.
Claims use since May 1918.

Reg. No. 364,271. Registered Jan. 24, 1939. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

PAPERITE

FOR INSULATED ELECTRIC WIRE.
Claims use since June 17, 1938.

Reg. No. 364,272. Registered Jan. 24, 1939. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

CELENITE

FOR INSULATED ELECTRIC WIRE.
Claims use since Apr. 15, 1935.

Reg. No. 364,764. Registered Feb. 14, 1939. THE ACME WIRE COMPANY, New Haven, Conn., a corporation of Connecticut. Republished by registrant, present address Hamden, Conn.

HEATEX

FOR INSULATED ELECTRIC WIRE.
Claims use since July 8, 1938.

Reg. No. 398,176. Registered Oct. 13, 1942. OVINGTON'S GIFT SHOP, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OVINGTON'S

FOR ELECTRIC LAMPS WITH SHADES.
Claims use since about Jan. 1, 1895.

Reg. No. 411,192. Registered Jan. 9, 1945. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DAMPERTROL

FOR PRESSURE RESPONSIVE ELECTRIC CONTROLLERS FOR THE AUTOMATIC CONTROL OF DAMPERS AND THE LIKE OF HEATING, VENTILATING, AND AIR-CONDITIONING APPARATUS.
Claims use since Aug. 28, 1943.

Reg. No. 415,518. Registered Aug. 7, 1945. CORDAGE, INCORPORATED, Chicago, Ill. Republished by Koiled Kords Incorporated, Hamden, Conn., a corporation of Illinois.

FLEXELF

FOR RETRACTABLE EXTENSION CORDS.
Claims use since on or about Nov. 1, 1944.

Reg. No. 415,519. Registered Aug. 7, 1945. CORDAGE, INCORPORATED, Chicago, Ill. Republished by Koiled Kords Incorporated, Hamden, Conn., a corporation of Illinois.

SPIREX

FOR RETRACTABLE EXTENSION CORDS.
Claims use since on or about Nov. 1, 1944.

Reg. No. 434,723. Registered Dec. 2, 1947. WEBSTER ELECTRIC COMPANY, Racine, Wis., a corporation of Delaware. Republished by registrant.

TELEPAGE

FOR INTERCOMMUNICATING SOUND AMPLIFYING AND TRANSMITTING SYSTEMS AND PARTS THEREOF, COMPRISING SPEAKERS, AMPLIFIERS, MICROPHONES, INTERCONNECTING CIRCUITS, AND ENERGIZING DEVICES, WHEREBY CONVERSATION AT EITHER POINT MAY BE HEARD AT THE OTHER POINT OF COMMUNICATION.
Claims use since Nov. 4, 1946.

Reg. No. 435,055. Registered Dec. 9, 1947. THE WHITNEY BLAKE COMPANY, Hamden, Conn., a corporation of Connecticut. Republished by registrant.

TELESEAL

FOR INSULATED ELECTRIC WIRE.
Claims use since Mar. 11, 1947.

Reg. No. 435,056. Registered Dec. 9, 1947. THE WHITNEY BLAKE COMPANY, Hamden, Conn., a corporation of Connecticut. Republished by registrant.

THERMOPRENE

FOR INSULATED ELECTRIC WIRE.
Claims use since Feb. 5, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORWSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

Reg. No. 230,453. Registered July 26, 1927. JAMES HEDDON'S SONS, Dowagiac, Mich., a corporation of Michigan. Republished by registrant.

QUEEN

FOR ARTIFICIAL BAITS.
Claims use since about Sept. 1, 1926.

Reg. No. 249,951. Registered Nov. 27, 1928. GUSTAVE E. KOPPE, doing business as The Elkloid Company, Providence, R. I. Republished by The Elkloid Company, Providence, R. I., a corporation of Rhode Island.

ELK BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR DICE, DICE SHAKERS, DOMINOES, POKER CHIPS, SPINNING TOPS, HOLLOW BALLS, SCORE PADS; PLAYING CARD CASES, AND TRUMP INDICATORS FOR CARDS.
Claims use since July 1921.

Reg. No. 377,845. Registered May 14, 1940. DRISCOLL-BRUCK COMPANY, LTD., Portland, Oreg. Republished by Spearhead Fishhook Company, Bellingham, Wash., a partnership.

FOR FISHHOOKS.
Claims use since June 30, 1938.

Reg. No. 398,177. Registered Oct. 13, 1942. OVINGTON'S GIFT SHOP, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OVINGTON'S

FOR PLAYING CARDS AND PLAYING CARD CASES, POKER CHIPS, GAMES—NAMELY, TABLE GAMES PLAYED WITH MOVABLE PIECES AND A SPINNER; AND GAME SETS—NAMELY, GAMES PLAYED WITH DARTS AND A TARGET; CHESS, BACKGAMMON, AND MAHJONG.
Claims use since about Jan. 1, 1895.

FOR INSULATED ELECTRIC WIRE.
Claims use since June 17, 1938.

FOR RETRACTABLE EXTENSION CORDS.
Claims use since on or about Nov. 1, 1944.

SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

MAHJONG.
Claims use since about Jan. 1, 1895.

Reg. No. 418,761. Registered Jan. 8, 1946. LESTER M. DAVIS, Tacoma, Wash. Republished by registrant.

COWBELL

FOR FISHING TROLLS.
Claims use since June 30, 1944.

Reg. No. 421,765. Registered June 18, 1946. PENNSYLVANIA RUBBER COMPANY, Jeannette, Pa., a corporation of Pennsylvania. Republished by registrant.

P

FOR TENNIS BALLS, HAND BALLS, AND SHUTTLECOCKS.
Claims use since September 1937.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 30,910. Registered Nov. 30, 1897. H. MUELLER MANUFACTURING COMPANY, Decatur, Ill. Republished by Mueller Co., Decatur, Ill., a corporation of Illinois.

H M

FOR VALVES, COCKS, PRESSURE REGULATORS, AND TAPPING MACHINES.
Claims use since about the middle or 15th of February, 1887.

Reg. No. 67,254. Registered Jan. 28, 1908. FORTUNA MACHINE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

FORTUNA

FOR SKIVING-MACHINES AND MACHINES FOR DRILLING IRON AND STEEL.
Claims use since about Jan. 1, 1903.

Reg. No. 122,123. Registered July 2, 1918. ALUMINUM GOODS MFG. COMPANY, Manitowoc, Wis., a corporation of New Jersey. Republished by registrant.

MIRRO

A. G. M. Co.

FOR ALUMINUM COOKING UTENSILS AND HOUSEHOLD GOODS, COMPRISING PERCOLATING COFFEE-POTS, COFFEE-POTS, TEAPOTS, DOUBLE BOILERS, TEA-KETTLES, LIPPED SAUCEPANS, BERLIN SAUCEPANS, WINDSOR SAUCEPANS, STOCKPANS, PUDDING-PANS, LIPPED FRY-PANS, MIXING-BOWLS, PRESERVING-POTS, BERLIN POTS, STOCK-POTS, PRESERVING-KETTLES, STEW-PANS, BERLIN KETTLES, STOCK-KETTLES, PIE-PLATES, JELLY-CAKE PANS, BREAD-PANS, TUBED CAKE-PANS, COLANDERS, ROASTERS, DOUBLEFRY-PANS, MUFFIN-PANS, CORN-CAKEPANS, MOUNTAIN-CAKE PANS, DRIP-PANS, DAIRY-PANS, SHALLOWCAKE-PANS, BISCUIT-PANS, TRIPLICATE SAUCEPANS, FIRELESS-COOKER POTS, DISH-PANS, KETTLE AND POT COVERS, GRIDDLES, BREAD-BOARDS, STRAINERS, COOKY-PANS, WATER-PITCHERS, GRIDDLE-CAKE COVERS, PAILS, BUCKETS, WASHBASINS, LADLES, DIPPERS, SKIMMERS, POTATO-MASHERS, CAKE-TURNERS, FUNNELS, JELLY MOLDS, SALT AND PEPPER-SHAKERS, LEMONADE-SHAKERS, CUPS, AND BREAD-RAISERS.
Claims use since Aug. 20, 1917.

Reg. No. 164,992. Registered Feb. 27, 1923. SULLIVAN MACHINERY COMPANY, Boston, Mass., and Chicago, Ill. Republished by Joy Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

TURBINAIR

FOR MINING MACHINES, HOISTING MECHANISM, AND ROTARY ENGINES.
Claims use since Jan. 24, 1922.

Reg. No. 166,037. Registered Mar. 27, 1923. STANDARD STEEL WORKS COMPANY, Philadelphia, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.

FOR RINGS AND ROLLED SHELLS FOR CRUSHERS FOR REDUCING AND PULVERIZING SOLID MATERIALS.
Claims use since June 1893.

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

Reg. No. 208,520. Registered Feb. 2, 1926. THE GOOD ROADS MACHINERY COMPANY, INC., Kennett Square, Pa. Republished by Good Roads Machinery Corporation, Kennett Square, Pa., a corporation of Pennsylvania.

GOOD ROADS

FOR ROCK CRUSHERS, ELEVATORS, CONVEYERS, SCREENS, GRADERS, DRAGS, ROLLERS, AND SNOW PLOWS.
Claims use since on or about Nov. 1, 1896.

Reg. No. 248,039. Registered Oct. 16, 1928. BURNOYL HEATING CORPORATION, doing business as Automatic Equipment Co., Providence, R. I. Republished by Firetox Company, Amherst, Mass., a corporation of Rhode Island.

FIRETOX

FOR PORTABLE HAND FIRE EXTINGUISHERS AND AUTOMATIC FIRE EXTINGUISHERS.
Claims use since Dec. 29, 1927.

Reg. No. 327,290. Registered Aug. 20, 1935. MOTO-SWAY CORPORATION OF AMERICA, Chicago, Ill., a corporation of California. Republished by registrant, present address South Pasadena, Calif.

AUTO-ROCK

FOR VEHICLE ROCKING MACHINES.
Claims use since June 20, 1932.

Reg. No. 351,296. Registered Oct. 26, 1937. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

ABK

FOR COMPOSITION BEARINGS, MACHINERY SHAFT COUPLINGS, AND SLIDES FOR USE WITH RECIPROCATING PARTS OF MACHINERY, ON ELEVATORS AND THE LIKE.
Claims use since on or about Dec. 21, 1936.

Reg. No. 358,155. Registered June 28, 1938. THE IRWIN AUGER BIT COMPANY, Wilmington, Ohio, a corporation of Ohio. Republished by registrant.

HI-LITE

FOR AUGER BITS.
Claims use since Jan. 19, 1938.

Reg. No. 360,963. Registered Oct. 4, 1938. M. R. C. LIMITED, London, England. Republished by Teleflex Incorporated, Philadelphia, Pa., a corporation of Delaware.

TELEFLEX

FOR MECHANICAL REMOTE CONTROL DEVICES WITH A FLEXIBLE CABLE RUNNING THROUGH A CONDUIT, THE FLEXIBLE CABLE CONNECTED UP TO LEVER SYSTEMS AT THE ENDS AND BEING ABLE TO TRANSMIT PUSH, PULL, AND ROTARY MOTION.
Claims use since 1935.

Reg. No. 368,737. Registered June 27, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, New York, N. Y. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

A-B-K

FOR COMPOSITION BEARINGS, MACHINERY SHAFT COUPLINGS, AND SLIDES FOR USE WITH RECIPROCATING PARTS OF MACHINERY, ON ELEVATORS AND THE LIKE.
Claims use since on or about Dec. 21, 1936.

CLASS 26

Reg. No. 425,926. Registered Dec. 10, 1946. BENDIX

FOR SKIVING-MACHINES AND MACHINES FOR DRILLING IRON AND STEEL.
Claims use since about Jan. 1, 1903.

FOR REDUCING AND PULVERIZING SOLID MATERIALS.
Claims use since June 1893.

Reg. No. 368,863. Registered July 4, 1939. HERBERT H. MACK, Topeka, Kans. Republished by registrant.

MO-MAK

FOR TURNTABLES.
Claims use since on or about Jan. 18, 1937.

Reg. No. 372,414. Registered Oct. 31, 1939. ALABAMA APPLIANCE COMPANY, INC., doing business as Alabama Manufacturing Company, Birmingham, Ala. Republished by Alabama Manufacturing Company, Inc., Birmingham, Ala., a corporation of Alabama.

GEM DANDY

FOR ELECTRIC CHURNS.
Claims use since Apr. 28, 1938.

Reg. No. 377,764. Registered May 14, 1940. MUELLER Co., Decatur, Ill., a corporation of Illinois. Republished by registrant.

CEM-RES

FOR COMBINATION TOOL FOR DRILLING, TAPPING, AND REAMING IN METAL AND OTHER MATERIAL WORKING.
Claims use since on or about Dec. 2, 1938.

Reg. No. 387,820. Registered June 3, 1941. RAPID ROLLER CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

MERCURY

FOR PRINTERS' ROLLERS, COMPOSITION COATED ROLLERS, OFFSET AND LITHOGRAPH ROLLERS, ROTOGRAVURE ROLLERS, AND RUBBER ROLLERS.
Claims use since Jan. 1, 1929.

Reg. No. 399,867. Registered Feb. 2, 1943. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Kem-Tone

FOR ROLLING DEVICE FOR THE APPLICATION OF PAINTS AND KINDRED PRODUCTS.
Claims use since Apr. 15, 1942.

Reg. No. 419,119. Registered Feb. 5, 1946. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

"ADJUSTO"

FOR WRENCHES AND WRENCH SETS.
Claims use since March 1939.

Reg. No. 422,172. Registered July 9, 1946. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Bantam

FOR HYDRAULIC POWER UNITS FOR PERFORMING DIVERSE TYPES OF VEHICLE SERVICING, RECONDITIONING, AND REPAIR WORK; ATTACHMENTS FOR SUCH WORK PERFORMING UNITS INCLUDING SPREADERS, CLAMPS, PRESSES, AND PUSHING AND PULLING TOOLS FOR ADJACENT ELEMENTS; WORK ENGAGING SADDLES, BASES, BLOCKS AND HEADS; WORK PERFORMING SPOONS, WEDGES, AND TOES; FORCE TRANSMITTING TUBULAR AND SOLID STRUTS; HYDRAULIC RAMS; HYDRAULIC PUMPS; METALLIC HYDRAULIC TRANSMISSION TUBING; AND BENDING AND STRAIGHTENING TOOLS FOR PIPES, TUBES, BARS, AND PLATES.
Claims use since December 1940.

Reg. No. 424,871. Registered Oct. 29, 1946. BLACKHAWK MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

BLACKHAWK

FOR SOCKET WRENCHES; BOX WRENCHES; OPEN END WRENCHES; RATCHET WRENCHES; SCREW DRIVING WRENCHES; TORQUE INDICATING WRENCHES; TIRE RIM WRENCHES; UNIVERSAL JOINT WRENCHES; PLIERS; HYDRAULIC JACKS; HYDRAULIC RAMS; HYDRAULIC PUMPS; SWIVEL JOINTS; PORTABLE SERVICE JACKS; HYDRAULIC LIFTS; METAL STRAIGHTENING, BENDING, CLAMPING, AND SPREADING MECHANISMS AND TOOLS; PIPE, TUBE, AND ROD BENDERS; SPREADING WEDGES; REMOTE CONTROL APPARATUS FOR HYDRAULIC PRESSURE APPLYING UNITS; WHEEL PULLERS; MACHINE ELEMENT PULLERS AND PUSHERS FOR REMOVING AND INSERTING PARTS; TOOL RACKS; METAL WORKING SAWS, SHEARS, DRILLS, AND HAMMERS; METAL DRESSING FILES, SANDING, ABRADING, GRINDING, AND BUFFING TOOLS; DRIVING MECHANISMS FOR PORTABLE HYDRAULICALLY ACTUATED TOOLS; AND DRIVING MECHANISMS FOR PORTABLE MECHANICALLY ACTUATED ROTARY, RECIPROCATORY, AND OSCILLATORY TOOLS.
Claims use since about May 31, 1919.

FOR VEHICLE ROCKING MACHINES.
Claims use since June 20, 1932.

Reg. No. 425,926. Registered Dec. 10, 1946. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J., a corporation of Delaware. Republished by registrant.

ECLIPSE

FOR ENGINE STARTING MECHANISMS OF THE INERTIA, DIRECT CRANKING, MANUAL, FLUID PRESSURE AND CARTRIDGE TYPES, AIR PUMPS, VACUUM PUMPS, ENGINE DRIVEN PUMPS, ENGINE DRIVEN HYDRAULIC PUMPS, HAND HYDRAULIC PUMPS, HYDRAULIC REMOTE CONTROL UNITS COMPRISING ACTUATORS AND SLAVE PARTS FOR AIRCRAFT, OIL SEPARATORS FOR USE IN REMOVING OIL FROM AIR PRESSURE LINES IN AIRCRAFT, ELECTRO-MECHANICAL ACTUATORS FOR ACCESSORIAL USE IN AIRCRAFT OPERATION, AUTOMATIC THROTTLE AND FUEL MIXTURE CONTROLS FOR ENGINES, PROPELLER PITCH GOVERNOR CONTROLS, AUXILIARY ENGINES, AUXILIARY POWER SUPPLY SYSTEMS COMPRISING GAS ENGINES, GENERATORS, PUMPS AND THE LIKE, ACCESSORY GEAR BOXES, GEAR REDUCTION UNITS, SUPERCHARGERS, AUTOMATIC SUPERCHARGER REGULATORS, AND MECHANISM FOR THE OPERATION OF INFLATABLE ELEMENTS USEFUL IN THE PREVENTION OF THE ACCUMULATION OF ICE ON OR THE REMOVAL OF ICE FROM EXPOSED SURFACES OF AIRCRAFT, SAID OPERATING MECHANISM COMPRISING AIR PUMPS, OIL SEPARATORS, DISTRIBUTING VALVES, CONTROL VALVES, AIR VALVES, AND PRESSURE RELIEF VALVES.
Claims use since Dec. 30, 1925.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 363,564. Registered Jan. 3, 1939. HORTON MANUFACTURING COMPANY, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

Kleenette

FOR WASHING MACHINES.
Claims use since Sept. 7, 1937.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 128,449. Registered Jan. 6, 1920. MARTIN-COPELAND COMPANY, Providence, R. I., a trusteeship. Republished by registrant.

FOR SPECTACLES, SPECTACLE-FRAMES, AND MOUNTINGS FOR EYEGLASSES.
Claims use since May 1, 1898.

Reg. No. 349,248. Registered Aug. 24, 1937. FROBER FAYBOR COMPANY, Cleveland, Ohio. Republished by William O. Frohring, Chagrin Falls, Ohio.

BIO-PHOTOMETER

The word "Photometer" is disclaimed apart from the mark as shown.
FOR PHOTOMETERS.
Claims use since July 16, 1936.

Reg. No. 410,180. Registered Nov. 14, 1944. THE BALDWIN LOCOMOTIVE WORKS, Eddystone, Pa., a corporation of Pennsylvania. Republished by registrant.

SR-4

FOR STRAIN GAGES, STRAIN INDICATING AND RECORDING INSTRUMENTS AND CONTROL OF THE SAME OPERATED IN RESPONSE TO A CHANGE IN ELECTRICAL RESISTANCE ARISING FROM A CHANGE OF STRAIN IN A MEMBER.
Claims use since May 1940.

Reg. No. 423,229. Registered Aug. 27, 1946. THE COLEMAN COMPANY, INC., Wichita, Kans., a corporation of Kansas. Republished by registrant.

MODUMATIC

FOR THERMOSTATICALLY CONTROLLED REGULATING APPARATUS FOR CONTROLLING AND REGULATING THE OPERATION OF GAS, OR OTHER FURNACES.
Claims use since June 18, 1945.

Reg. No. 354,160. Registered Feb. 1, 1938. H. E. LIND-

CLASS 30

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 156,826. Registered July 11, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR SCARFPINS, WATCH CHAINS, CUFF LINKS; JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; PLATTERS AND PLATES MADE OF PRECIOUS METAL, SHEFFIELD WARE; VASES, BOWLS, PLATTERS, AND PLAQUES OF ENAMEL WARE ORNAMENTED WITH PRECIOUS METALS NOT INCLUDING WARE MADE OF STEEL; TABLE KNIVES, FORKS, AND SPOONS OF PRECIOUS METALS FOR HOUSEHOLD USE; MATCH BOXES OF PRECIOUS METALS, CIGAR AND CIGARETTE HOLDERS OF PRECIOUS METALS, CIGAR AND CIGARETTE CASES OF PRECIOUS METALS, HUMIDORS AND ASH TRAYS OF PRECIOUS METALS, CANDLESTICKS AND CANDELABRA OF PRECIOUS METALS, INKSTANDS OF PRECIOUS METALS, PEN POINTS OF PRECIOUS METALS, PEN HOLDERS OF PRECIOUS METALS, PEN STANDS AND PEN RACKS OF PRECIOUS METALS, DESK SETS OF PRECIOUS METALS, BOOKMARKS OR PRECIOUS METALS, PAPER WEIGHTS AND PAPER CUTTERS OF PRECIOUS METALS, FOUNTAIN PENS AND PENCILS OF PRECIOUS METALS.
Claims use since Jan. 1, 1895.

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE — NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

Reg. No. 262,573. Registered Oct. 15, 1929. GENERAL CHAIN COMPANY, Providence, R. I. Republished by General Chain Company, Inc., North Attleboro, Mass., a corporation of Massachusetts.

GENCO

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since August 1925.

Reg. No. 359,463. Registered Aug. 23, 1938. PITMAN & KEELER, Attleboro, Mass. Republished by Pitman & Keeler, Inc., Attleboro, Mass., a corporation of Massachusetts.

American Queen

FOR BRACELETS, VANITY CASES, AND COMPACTS, MADE WHOLLY OR IN PART OF, OR PLATED WITH, PRECIOUS METAL.
Claims use since Mar. 1, 1917.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 182,922. Registered Apr. 22, 1924. OX FIBRE BRUSH COMPANY, New York, N. Y., and Frederick, Md. Republished by Ox Fibre Brush Company, Inc., Frederick, Md., a corporation of Delaware.

OX FIBRE

The word "Fibre" is disclaimed apart from the mark as shown.
FOR BRUSHES FOR SCRUBBING, DUSTING, SWEEPING, AND CLEANING, INCLUDING HOUSEHOLD BRUSHES, HORSE BRUSHES, HAIR BRUSHES, AND HAND AND NAIL BRUSHES.
Claims use since about Feb. 1, 1896.

Reg. No. 182,923. Registered Apr. 22, 1924. OX FIBRE BRUSH COMPANY, New York, N. Y., and Frederick, Md. Republished by Ox Fibre Brush Company, Inc., Frederick, Md., a corporation of Delaware.

FOR BRUSHES FOR SCRUBBING, DUSTING, SWEEPING, AND CLEANING, INCLUDING HOUSEHOLD BRUSHES, HORSE BRUSHES, HAIR BRUSHES, AND HAND AND NAIL BRUSHES, AND ALSO FOR BROOMS.
Claims use since about Jan. 1, 1900.

Reg. No. 336,169. Registered June 30, 1936. HARRY L. WELKER, Williamsport, Pa. Republished by registrant.

BEAUTY GLOW

FOR LATEX BATH BRUSHES.
Claims use since Jan. 24, 1936.

Reg. No. 354,160. Registered Feb. 1, 1938. H. E. LINDSTROM, doing business as Acme Broom Company, Sedalia, Mo. Republished by Zephyr Manufacturing Co., Sedalia, Mo., a corporation of Missouri.

ZEPHYR

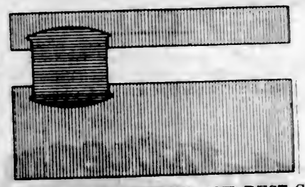
FOR BROOMS.
Claims use since on or about June 24, 1937.

Reg. No. 378,747. Registered June 18, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Quali-Craft

FOR PAINT BRUSHES, VARNISH BRUSHES, KALSOMINE BRUSHES, WHITEWASH BRUSHES, ROOF BRUSHES, STIPPLING BRUSHES, RADIATOR BRUSHES, SMOOTHING BRUSHES, MARKING BRUSHES, FLOWING BRUSHES, MOTTLING BRUSHES, FINISHING BRUSHES, TOUCH-UP BRUSHES, SHOWCARD BRUSHES, SIGNWRITERS' BRUSHES, LETTERING BRUSHES, STRIPING BRUSHES, ARTISTS' BRUSHES, SIGN PAINTERS' BRUSHES, STENCIL BRUSHES, WATER-COLOR BRUSHES, GILDING TIP BRUSHES, OUTLINING BRUSHES, ONE-STROKE BRUSHES, POSTER BRUSHES, MUSLIN BRUSHES, FITCHES, LINERS AND CUTTERS.
Claims use since Oct. 2, 1939.

Reg. No. 395,475. Registered May 26, 1942. RUBON WOODFINISHING AND PRODUCTS COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.



FOR FLOOR MOPS, DUSTERS, AND DUST CLOTHS.
Claims use since on or about Dec. 19, 1941.

Reg. No. 422,393. Registered July 23, 1946. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

The fragmentary representation of the back of the brush is disclaimed apart from the mark as shown.
FOR STREET BRUSHES AND BROOMS.
Claims use since on or about Apr. 20, 1939.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 157,169. Registered July 25, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR CHINAWARE, EARTHENWARE, AND PORCELAIN.
Claims use since Jan. 1, 1895.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 414,219. Registered May 29, 1945. CARL J. WAGNER, doing business as Marvel Trailer Parts Company, Detroit, Mich. Republished by Marvel Industries, Inc., Detroit, Mich., a corporation of Michigan.

The MARVEL LINE

FOR COMBINATION ICE AND ELECTRIC REFRIGERATORS, ICE REFRIGERATORS AND PARTS THEREOF.
Claims use since on or about Nov. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 157,732. Registered Aug. 15, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR TABLES, CHAIRS, FOR HOUSEHOLD USE, STANDS, DESKS, TEA WAGONS, STOOLS, CABINETS, CELLARETTES, PICTURE FRAMES, HAND AND WALL MIRRORS, AND BOOK ENDS.
Claims use since Jan. 1, 1895.

Reg. No. 358,599. Registered July 19, 1938. CLOPAY CORPORATION, Cincinnati, Ohio, a corporation of Maryland. Republished by registrant.

Rib-Tex

FOR WINDOW SHADES.
Claims use since Feb. 1, 1938.

Reg. No. 360,385. Registered Sept. 13, 1938. H. & A. SELMER, INCORPORATED, Elkhart, Ind., a corporation of Indiana. Republished by registrant.

PORTA-DESK

The word "Desk" is disclaimed apart from the mark as shown.

FOR COMBINATION FOLDABLE DESK AND MUSIC STAND.

Claims use since Jan. 14, 1938.

Reg. No. 380,308. Registered Aug. 20, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Quali-Craft

The word "Craft" is disclaimed apart from the mark as shown.

FOR POSTER PAPERS, SHOWCARD, POSTER BOARD, CARDBOARD, PROCESS BOARD, METALLIC BOARD, DISPLAY BOARD, FOIL PAPER, DECALCOMANIA PAPER, TRACING PAPER, MAT BOARD, MOUNTING BOARD, DRAWING PAPER IN SHEETS AND ROLLS, CRAYONS, CHARCOAL STICK CRAYONS, PENS, PENCILS, DISPLAY STANDS OR EASELS, ERASERS, DISPLAY PAPER, DECORATIVE PAPER, AND SCREEN PROCESS PAPER.

Claims use since Sept. 29, 1939.

Reg. No. 418,143. Registered Dec. 4, 1945. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa, a corporation of Iowa. Republished by registrant.

GLI-DOR

FOR KITCHEN CABINETS.

Claims use since May 23, 1945.

CLASS 33

GLASSWARE

Reg. No. 159,731. Registered Oct. 3, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR TABLE GLASSWARE, GLASS BOWLS, GLASS JARS, GLASS BOXES, GLASS TRAYS, AND VASES MADE OF GLASS.

Claims use since Jan. 1, 1895.

Reg. No. 313,303. Registered May 22, 1934. GLASS CONTAINERS, INC., Los Augeles, Calif., a corporation of California. Republished by registrant.

FOR GLASS CONTAINERS—NAMELY, GLASS BOTTLES AND JARS.

Claims use since Sept. 13, 1933.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 58,213. Registered Dec. 11, 1906. BLAKESLEY-TUTTLE STOVE CO., Kansas City, Mo. Republished by Security Manufacturing Co., Kansas City, Mo., a corporation of Missouri.

SECURITY

FOR HEATING AND COOKING STOVES AND RANGES.

Claims use since Jan. 1, 1904.

Reg. No. 127,445. Registered Nov. 11, 1919. LOUIS R. MENDELSON, Cleveland, Ohio. Republished by The Hotstream Heater Company, Cleveland, Ohio, a corporation of Ohio.

Hotstream

FOR GAS, GASOLENE, AND VAPOR WATER-HEATERS AND DRAFTHOODS THEREFOR.

Claims use since Apr. 1, 1915.

Reg. No. 160,611. Registered Oct. 24, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR NONELECTRIC OIL LAMPS, CANDLESTICKS, AND CANDELABRA MADE OF WOOD AND BASE METALS AND GLASS.

Claims use since Jan. 1, 1895.

Reg. No. 219,769. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

HOTSPRING

FOR GAS AND OIL WATER HEATERS.

Claims use since June 1, 1926.

Reg. No. 249,045. Registered Nov. 6, 1928. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Hotstream

The words "Heats in a Hurry" are disclaimed apart from the mark as shown.

FOR GAS AND OIL WATER HEATERS.

Claims use since April 1915.

Reg. No. 290,644. Registered Jan. 12, 1932. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Draft-O-Stat

The word "Draft" is disclaimed apart from the mark as shown.

FOR AUTOMATIC DRAFT CONTROLS.

Claims use since Sept. 5, 1930.

Reg. No. 300,983. Registered Feb. 14, 1933. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

Roto Type

The word "Type" is disclaimed apart from the mark as shown.

FOR GASOLINE, FUEL BURNING LAMPS AND LANTERNS.

Claims use since Oct. 1, 1931.

Reg. No. 306,788. Registered Sept. 26, 1933. BENNETT FIREPLACE CORPORATION, Norwich, N. Y. Republished by Bennett-Ireland Inc., Norwich, N. Y., a corporation of New York.

FLEXSCREEN

FOR FIREPLACE SCREENS.

Claims use since May 18, 1933.

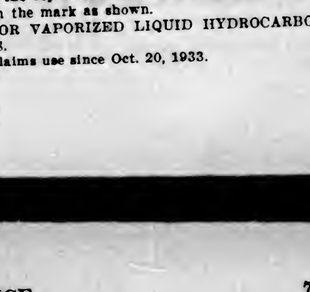
Reg. No. 311,069. Registered Mar. 13, 1934. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

BAND-A-BLU

FOR VAPORIZED LIQUID HYDROCARBON BURNERS.

Claims use since Oct. 20, 1933.

Reg. No. 311,349. Registered Mar. 20, 1934. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.



The word "Burner" and the representation of the goods are disclaimed apart from the mark as shown.

FOR VAPORIZED LIQUID HYDROCARBON BURNERS.

Claims use since Oct. 20, 1933.

Reg. No. 321,837. Registered Feb. 19, 1935. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

The representation of the band and the burner are lined for blue color and the portion forming the center of the circle of flame is lined for red color. The word "Burner" and the representation of a burner are disclaimed apart from the mark as shown.

FOR VAPORIZED LIQUID HYDROCARBON BURNERS.

Claims use since Oct. 20, 1933.

MADE OF GLASS.
Claims use since Jan. 1, 1895.

METALS AND GLASS.
Claims use since Jan. 1, 1895.

Claims use since May 18, 1933.

Reg. No. 325,549. Registered June 25, 1935. THE COLEMAN LAMP AND STOVE COMPANY, Wichita, Kans. Republished by The Coleman Company, Inc., Wichita, Kans., a corporation of Kansas.

RAYTEX

FOR FUEL BURNING MANTLES.
Claims use since Dec. 21, 1934.

Reg. No. 333,901. Registered Apr. 14, 1936. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

FOR GAS, OIL, AND ELECTRIC WATER HEATERS.
Claims use since Oct. 19, 1935.

Reg. No. 349,786. Registered Sept. 7, 1937. THE HOTSTREAM HEATER COMPANY, doing business as Pioneer Heater Company, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Pioneer

FOR GAS WATER HEATERS.
Claims use since June 1925.

Reg. No. 350,469. Registered Sept. 28, 1937. AMERICAN MANGANESE STEEL COMPANY, Chicago Heights, Ill. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

FLEXBOX

FOR HEAT TREATING BOXES.
Claims use since Apr. 5, 1937.

Reg. No. 363,992. Registered JAN. 17, 1939. RICH SIGNS CORPORATION, Wichita, Kans., assignor to Horace N. Carver. Republished by Miro-Flex Company, Inc., Wichita, Kans., a corporation of Kansas.

MIRO-FLARE

The term "Flare" is disclaimed apart from the mark as shown.
FOR PORTABLE REFLECTING ROAD SAFETY SIGNALS, OF THE TYPE COMMONLY KNOWN AS ROAD FLARES.
Claims use since Feb. 2, 1938.

Reg. No. 383,302. Registered Dec. 3, 1940. BENNETT FIREPLACE COMPANY, Norwich, N. Y. Republished by Bennett-Ireland Inc., Norwich, N. Y., a corporation of New York.

Unipull

FOR SUPPORTING FIXTURES FOR FIREPLACE SCREENS, CURTAINS, AND THE LIKE.
Claims use since Aug. 9, 1939.

Reg. No. 397,264. Registered Aug. 25, 1942. HALL-NEAL FURNACE CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

VICTORY

FOR WARM AIR HOUSEHOLD FURNACE UNITS.
Claims use since on or about Mar. 20, 1942.

Reg. No. 401,231. Registered May 4, 1943. HALL-NEAL FURNACE CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

VICTORSTOKE

FOR WARM AIR HOUSEHOLD FURNACE UNITS WITH AND WITHOUT AIR CONDITIONING EQUIPMENT, PARTICULARLY DESIGNED FOR STOKER FIRING, AND FOR INDIVIDUAL PARTS ENTERING THEREIN.
Claims use since on or about Apr. 1, 1940.

Reg. No. 401,508. Registered May 25, 1943. HALL-NEAL FURNACE CO., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

VICTOR

FOR MOTOR DRIVEN OIL BURNERS FOR FIRING DOMESTIC OR HOUSEHOLD FURNACES OF THE WARM AIR, STEAM, OR HOT WATER TYPE.
Claims use since on or about Mar. 1, 1936.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 146,728. Registered Sept. 20, 1921. DUNLOP TIRE AND RUBBER CORPORATION OF AMERICA, Tonawanda, N. Y. Republished by Dunlop Tire and Rubber Corporation, Buffalo, N. Y., a corporation of New York.

DUNLOP

FOR RUBBER TIRES AND PARTS THEREOF—NAMELY, TUBES, SHOES, AND CASINGS.
Claims use since 1893.

Reg. No. 341,795. Registered Dec. 22, 1936. THE CLEVELAND GASKET AND MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CLEGACO

FOR GASKETS.
Claims use since about July 24, 1936.

Reg. No. 346,360. Registered May 25, 1937. AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

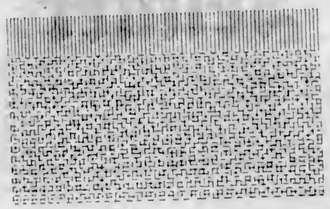
The word "Brakeblok" is disclaimed apart from the mark as shown.
FOR FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES, AND FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS MADE PARTLY OF RUBBER.
Claims use since on or about Nov. 2, 1936.

Reg. No. 348,302. Registered July 20, 1937. AMERICAN BRAKEBLOK CORPORATION, New York, N. Y., and Detroit, Mich. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.

ABM

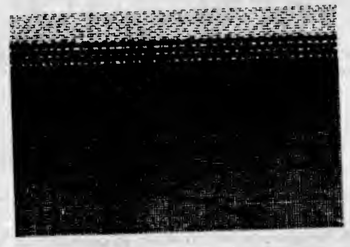
FOR FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES.
Claims use since on or about Sept. 22, 1930.

Reg. No. 365,908. Registered Mar. 21, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, also doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



The drawing is lined for red and yellow.
FOR FRICTIONAL ELEMENTS FOR BRAKES AND CLUTCHES.
Claims use since on or about Jan. 7, 1936.

Reg. No. 365,909. Registered Mar. 21, 1939. THE AMERICAN BRAKE SHOE AND FOUNDRY COMPANY, also doing business as American Brakeblok Division of the American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich. Republished by American Brake Shoe Company, New York, N. Y., a corporation of Delaware.



The drawing is lined for yellow and black.
FOR FAN BELTS, RADIATOR HOSE, AND GENERATOR COUPLINGS, MADE PARTLY OF RUBBER.
Claims use since on or about Oct. 2, 1934.

Reg. No. 394,198. Registered Mar. 24, 1942. THE CLEVELAND GASKET AND MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

HALCO

FOR GASKETS AND PLANT FIBRE SHEET PACKING MATERIAL.
Claims use since Aug. 28, 1941.

FOR HEAT TREATING BOXES.
Claims use since Apr. 5, 1937.

DOMESTIC OR HOUSEHOLD FURNACES OF THE WARM AIR, STEAM, OR HOT WATER TYPE.
Claims use since on or about Mar. 1, 1936.

CLUTCHES.
Claims use since on or about Sept. 22, 1930.

ING MATERIAL.
Claims use since Aug. 28, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 384,119. Registered Jan. 7, 1941. H. & A. SELMER, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Selmer

FOR CLARINETS, SAXOPHONES, FLUTES, OBOES, ENGLISH HORNS, BASSOONS, TRUMPETS, TROMBONES, FLUEGELHORNS, BARITONES, MUSICAL INSTRUMENT MOUTHPIECES, TRUMPET AND TROMBONE MUTES, LIGATURES, LYRES, PADS FOR WOOD-WIND INSTRUMENTS, REEDS, DOUBLE-REED INSTRUMENT ACCESSORIES, BATONS, AMPLIFIERS, PICCOLOS, AND SUPPLIES AND ACCESSORIES THEREFOR.
Claims use since 1886.

Reg. No. 389,493. Registered Aug. 5, 1941. H. & A. SELMER, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

TONEX

FOR MUSICAL INSTRUMENT PADS, AND MORE PARTICULARLY, FOR VALVE PADS FOR MUSICAL INSTRUMENTS.
Claims use since Mar. 6, 1941.

Reg. No. 396,934. Registered Aug. 11, 1942. H. & A. SELMER, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Goldentone

FOR REEDS FOR WOOD-WIND INSTRUMENTS AND MORE PARTICULARLY, FOR REEDS FOR SAXOPHONES, CLARINETS, OBOES, ENGLISH HORNS, BASSOONS, AND FOR MOUTH PIECES FOR WOOD-WIND INSTRUMENTS.
Claims use since 1933.

CLASS 37

PAPER AND STATIONERY

Reg. No. 77,115. Registered Mar. 8, 1910. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

"RELIANCE"

FOR BLOTTING-PAPER.
Claims use since 1889.

Reg. No. 126,646. Registered Sept. 30, 1919. BENJAMIN BUCHBINDER, New York, N. Y. Republished by Artcraft Wallpaper Co., Inc., New York, N. Y., a corporation of New York.

ARTCRAFT

FOR WALL-PAPERS.
Claims use since July 1, 1918.

Reg. No. 148,343. Registered Nov. 15, 1921. THE ALBEMARLE PAPER MFG. CO., Richmond, Va., a corporation of Virginia. Republished by registrant.

ALBEMARLE

FOR WRITING, PRINTING, BLOTTING, TISSUE, AND WRAPPING PAPERS.
Claims use since 1910.

Reg. No. 151,064. Registered June 24, 1922. ALBEMARLE PAPER MFG. CO., Richmond, Va., a corporation of Virginia. Republished by registrant.

DIXIE
KRAFT

The word "Kraft" is disclaimed apart from the mark as shown.
FOR KRAFT AND MANILA WRAPPING, BLOTTING, BOND PAPER FOR LETTER CORRESPONDENCE, WRITING, AND TISSUE PAPER.
Claims use since Mar. 1, 1921.

Reg. No. 155,119. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

PURA SNOW

FOR TOILET PAPER.
Claims use since Dec. 21, 1917.

Reg. No. 155,120. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

BUTTERFLY

FOR TOILET PAPER.
Claims use since May 22, 1915.

Reg. No. 155,121. Registered May 16, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

GOLD LEAF

FOR TOILET PAPER.
Claims use since Feb. 2, 1915.

Reg. No. 156,465. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

RED MILL

FOR TOILET PAPER.
Claims use since Aug. 10, 1917.

Reg. No. 156,466. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

CAMEL

FOR TOILET PAPER.
Claims use since Aug. 10, 1917.

Reg. No. 156,467. Registered June 20, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

Orange Blossom

FOR TOILET PAPER.
Claims use since Feb. 1, 1921.

Reg. No. 156,783. Registered July 11, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

White Mountain

FOR TOILET PAPER.
Claims use since Aug. 26, 1920.
618 O. G.—49

Reg. No. 156,826. Registered July 11, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR SCARFPINS, WATCH CHAINS, CUFF LINKS; JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES; PLATTERS AND PLATES MADE OF PRECIOUS METAL, SHEFFIELD WARE; VASES, BOWLS, PLATTERS, AND PLAQUES OF ENAMEL WARE ORNAMENTED WITH PRECIOUS METALS NOT INCLUDING WARE MADE OF ENAMELED STEEL; TABLE KNIVES, FORKS, AND SPOONS, OF PRECIOUS METALS FOR HOUSEHOLD USE; MATCH BOXES OF PRECIOUS METALS, CIGAR AND CIGARETTE HOLDERS OF PRECIOUS METALS, CIGAR AND CIGARETTE CASES OF PRECIOUS METALS, HUMIDORS AND ASH TRAYS OF PRECIOUS METALS, CANDLESTICKS AND CANDELABRA OF PRECIOUS METALS, INKSTANDS OF PRECIOUS METALS, PEN POINTS OF PRECIOUS METALS, PEN HOLDERS OF PRECIOUS METALS, PEN STAND AND PEN RACKS OF PRECIOUS METALS, DESK SETS OF PRECIOUS METALS, BOOK-MARKS OR PRECIOUS METALS, PAPER WEIGHTS AND PAPER CUTTERS OF PRECIOUS METALS, FOUNTAIN PENS AND PENCILS OF PRECIOUS METALS.
Claims use since Jan. 1, 1895.

Reg. No. 161,003. Registered Oct. 31, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

Tabreen

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 161,004. Registered Oct. 31, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

FEATHERDOWN

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 161,005. Registered Oct. 31, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

Mileen

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 356,232. Registered Apr. 19, 1938. THE ALBE-

FOR BLOTTING-PAPER.
Claims use since 1889.

Reg. No. 241,541. Registered May 1, 1928. THE CROMWELL PAPER COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CENTAUR

FOR TYMPAN PAPER.
Claims use since Apr. 11, 1927.

Reg. No. 242,607. Registered May 29, 1928. THE ALBEMARLE PAPER MANUFACTURING CO., Richmond, Va., a corporation of Virginia. Republished by registrant.

Defiance

FOR BLOTTING PAPER.
Claims use since 1922.

Reg. No. 291,293. Registered Feb. 9, 1932. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

Blota Pak

The word "Pak" is disclaimed apart from the mark as shown.
FOR ALL KINDS OF BLOTTING PAPER.
Claims use since July 7, 1931.

Reg. No. 298,874. Registered Nov. 8, 1932. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

VIENNA MOIRE

FOR BLOTTING PAPER.
Claims use since Oct. 10, 1905.

Reg. No. 305,580. Registered Aug. 22, 1933. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

The words "Antiseptic" and "Sanitary Tissue" are disclaimed apart from the mark as shown. The drawing is lined for blue.
FOR TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since Apr. 26, 1909.

Reg. No. 161,853. Registered Nov. 21, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

ARIEL

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 161,854. Registered Nov. 21, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

EILEEN

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 161,855. Registered Nov. 21, 1922. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

Silvette

FOR TOILET PAPER.
Claims use since Feb. 21, 1922.

Reg. No. 210,429. Registered Mar. 16, 1926. THE ALBEMARLE PAPER MANUFACTURING CO., Richmond, Va., a corporation of Virginia. Republished by registrant.

The words "Tia Rap" and the representation of a wrapped tire casing are disclaimed apart from the mark as shown.
FOR WRAPPING PAPER.
Claims use since June 1, 1925.

Reg. No. 312,479. Registered May 1, 1934. WURZBURG BROTHERS, Memphis, Tenn., a firm. Republished by registrant.

GLYD-O-FILE

The words "Glyd" and "File" are disclaimed apart from the mark as shown.
FOR CORRUGATED FIBER FILING CASES.
Claims use since Nov. 1, 1932.

Reg. No. 316,297. Registered Aug. 21, 1934. WHITE-WASHBURNE COMPANY, INC., Hinsdale, N. H., a corporation of New Hampshire. Republished by registrant.

The words "Quality Tissue" are disclaimed apart from the mark as shown.
FOR TOILET PAPER, PAPER TOWELS, AND PAPER NAPKINS.
Claims use since Sept. 2, 1930.

Reg. No. 343,793. Registered Mar. 9, 1937. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

COMPASS BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR WRITING PAPER, PRINTING PAPER, AND BOND PAPER.
Claims use since Sept. 9, 1935.

Reg. No. 350,939. Registered Oct. 12, 1937. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

MEDALIST BOND

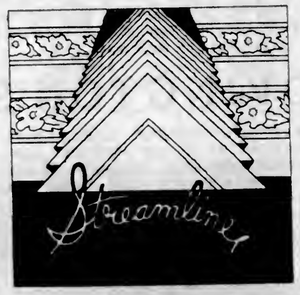
The word "Bond" is disclaimed apart from the mark as shown.
FOR PRINTING PAPER, WRITING PAPER, AND BOND PAPER.
Claims use since Mar. 18, 1937.

Reg. No. 356,232. Registered Apr. 19, 1938. THE ALBEMARLE PAPER MFG. COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

ALBEMARLE

FOR KRAFT PAPER.
Claims use since 1890.

Reg. No. 357,325. Registered May 31, 1938. GRAHAM MANUFACTURING CO., INC., Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.



FOR PAPER NAPKINS, PAPER TOWELS, AND TOILET PAPER.
Claims use since July 1936.

Reg. No. 364,633. Registered Feb. 7, 1939. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

STYLETONE

FOR MIMEOGRAPH PAPER.
Claims use since on or about Oct. 1, 1938.

Reg. No. 375,663. Registered Feb. 27, 1940. NATIONAL BLANK BOOK COMPANY, Riverside, Holyoke, Mass., a corporation of Massachusetts. Republished by registrant.

NAT-LOCK

The word "Lock" is disclaimed apart from the mark as shown.
FOR LOOSE LEAF BINDERS.
Claims use since Oct. 14, 1938.

Reg. No. 380,308. Registered Aug. 20, 1940. THE SHER-

Reg. No. 425,407. Registered Nov. 19, 1946. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.

Reg. No. 199,371. Registered June 9, 1925. THE NATIONAL LIFE AND ACCIDENT INSURANCE COMPANY,

Reg. No. 388,902. Registered July 15, 1941. SAMUEL A. PHILLIPS, doing business as Business Promotion

Reg. No. 380,308. Registered Aug. 20, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Quali-Craft

The word "Craft" is disclaimed apart from the mark as shown.

FOR POSTER PAPERS, SHOWCARD, POSTER BOARD, CARDBOARD, PROCESS BOARD, METALLIC BOARD, DISPLAY BOARD, FOIL PAPER, DECALCOMANIA PAPER, TRACING PAPER, MAT BOARD, MOUNTING BOARD, DRAWING PAPER IN SHEETS AND ROLLS, CRAYONS, CHARCOAL STICK CRAYONS, PENS, PENCILS, DISPLAY STANDS OR EASELS, ERASERS, DISPLAY PAPER, DECORATIVE PAPER, AND SCREEN PROCESS PAPER.

Claims use since Sept. 29, 1939.

Reg. No. 398,806. Registered Dec. 1, 1942. OVINGTON'S GIFT SHOP, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OVINGTON'S

FOR PENCILS—NAMELY, MECHANICAL LEAD PENCILS AND WOOD ENCASED PENCILS; PENS, STATIONERY—NAMELY, WRITING PAPER, ENVELOPES, AND SCRATCH PADS; DESK PADS, DESK SETS, AND DESK PORTFOLIOS.

Claims use since about Jan. 1, 1895.

Reg. No. 405,166. Registered Jan. 11, 1944. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill., a corporation of Illinois. Republished by registrant.

WILLOWEAVE

FOR SCRAP BOOKS AND ALBUMS.

Claims use since Mar. 27, 1943.

Reg. No. 408,720. Registered Aug. 29, 1944. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Kem-Tone

FOR WALLPAPER.

Claims use since about October 1942.

Reg. No. 413,946. Registered May 22, 1945. FRED W. TRUMBULL, Los Altos, Calif. Republished by registrant.

Redispred

FOR BLANK PERFORATED SHEETS FOR USE IN ACCOUNTING.

Claims use since June 1, 1944.

Reg. No. 425,407. Registered Nov. 19, 1946. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo. Republished by Hobby Stationers, Inc., Colorado Springs, Colo., a corporation of Missouri.

Everyday

FOR STATIONERY — NAMELY, WRITING PAPER AND NOTE PAPER OF DISTINCTIVE DESIGN SOLD IN BOXES AND CARTONS.

Claims use on or about Oct. 10, 1944.

Reg. No. 435,240. Registered Dec. 16, 1947. THE ROSENTHAL COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

ARTGUM

FOR ERASERS FOR ERASING MARKS FROM AND CLEANING DRAWINGS, TRACINGS, PICTURES, WALL PAPER, LEATHER GOODS, APPAREL, AND THE LIKE.

Claims use since 1903.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 61,410. Registered Mar. 19, 1907. NATIONAL SPORTSMAN, INC., Boston, Mass., a corporation of Maine. Republished by registrant.

NATIONAL SPORTSMAN

FOR MONTHLY MAGAZINE.

Claims use since January 1900.

Reg. No. 199,371. Registered June 9, 1925. THE NATIONAL LIFE AND ACCIDENT INSURANCE COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

FOR CALENDARS AND PERIODICAL PUBLICATIONS.

Claims use since Oct. 1, 1922.

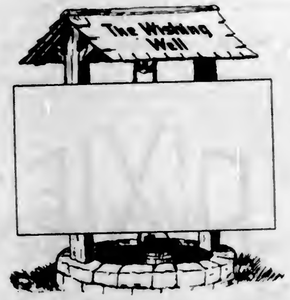
Reg. No. 226,484. Registered Apr. 12, 1927. NATIONAL SPORTSMAN, INC., Boston, Mass., a corporation of Maine. Republished by registrant, present address New York, N. Y.

HUNTING AND FISHING

FOR MAGAZINE.

Claims use since 1924.

Reg. No. 371,186. Registered Sept. 19, 1939. WILLIAM J. MILLER, Milwaukee, Wis. Republished by registrant.



FOR NEWS FEATURE.

Claims use since Oct. 4, 1937.

Reg. No. 388,902. Registered July 15, 1941. SAMUEL A. PHILLIPS, doing business as Business Promotion Service, Morgantown, W. Va. Republished by Samuel A. Phillips, Jr., Morgantown, W. Va.

PROTECTAWARD

FOR TRADING CERTIFICATE.

Claims use since February 1936.

CLASS 39

CLOTHING

Reg. No. 49,908. Registered Feb. 20, 1906. M. & C. MAYER, New York, N. Y. Republished by Lax & Burgheimer, Inc., New York, N. Y., a corporation of New York.

WARRIOR

FOR KNIT HOSIERY AND UNDERWEAR.

Claims use since Aug. 3, 1904.

Reg. No. 49,909. Registered Feb. 20, 1906. M. & C. MAYER, New York, N. Y. Republished by Lax & Burgheimer, Inc., New York, N. Y., a corporation of New York.

FOR KNIT HOSIERY AND UNDERWEAR.

Claims use since Aug. 3, 1904.

Reg. No. 65,567. Registered Oct. 8, 1907. NOVELTY KNITTING CO., Albany, N. Y. Republished by Arnold Knitwear Corporation, Cohoes, N. Y., a corporation of New York.

THOSE Arnold KNIT GOODS

FOR KNITTED UNDERWEAR, WASH-CLOTHS, SLIPPERS, NIGHT-GOWNS, APRONS, LAP AND CARRIAGE PADS, BIBS, VESTS, WRAPPERS, BOOTEES, SKIRTS, TOWELS, LEGGINGS, MOCCASINS, SUITS FOR INFANTS, NIGHT-DRAWERS, DIAPERS, PINNING-BANDS, ABDOMINAL BANDS, "SERVIETTE" BANDAGES, AND BELTS FOR WOMEN'S WEAR, ALL MADE OF KNITTED MATERIAL.

Claims use since Apr. 2, 1905.

Reg. No. 68,971. Registered May 12, 1908. PHOENIX

Reg. No. 260,721. Registered Mar. 2, 1926. INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va., a corpora-

Reg. No. 248,950. Registered Nov. 6, 1928. BERNE MFG. Co., Berne, Ind. Republished by Winner, Inc., Berne,

Reg. No. 296,637. Registered Aug. 16, 1932. FREEMAN SHOE CORPORATION, Beloit, Wis., a corporation of Wis-

Reg. No. 68,971. Registered May 12, 1908. PHOENIX KNITTING WORKS, Milwaukee, Wis. Republished by Phoenix Hosiery Company, Milwaukee, Wis., a corporation of Wisconsin.

PHOENIX

FOR KNITTED MUFFLERS.
Claims use since June 15, 1907.

Reg. No. 82,995. Registered Aug. 8, 1911. LAX & STRAUSS, New York, N. Y. Republished by Lax & Burgheimer, Inc., New York, N. Y., a corporation of New York.

Morelle

FOR KNIT UNDERWEAR.
Claims use since December 1907.

Reg. No. 161,200. Registered Nov. 7, 1922. GEORGE H. LEININGER, doing business as Industrial Hosiery Mills, Mohnton, Pa. Republished by Industrial Hosiery Mills, Inc., Mohnton, Pa., a corporation of Pennsylvania.

LENIX

FOR HOSIERY.
Claims use since May 1920.

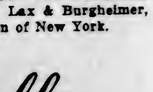
Reg. No. 174,262. Registered Oct. 9, 1923. CHIPMAN KNITTING MILLS, Easton, Pa. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

"POM-POM"

FOR HOSIERY.
Claims use since Mar. 2, 1923.

Reg. No. 201,334. Registered July 21, 1925. INNES, HENDERSON & CO., LTD., Hawick, Scotland, a corporation organized unnder the laws of Great Britain. Republished by registrant.

Braemar.



FOR KNITTED UNDERWEAR FOR MEN AND WOMEN; MEN'S TROUSERS, JACKETS AND SWEATERS; BOYS' AND GIRLS' KNITTED JERSEYS AND KNICKERS; WOMEN'S JUMPERS, DRESSES, COATS AND COSTUMES MADE OF WOOL, CASHMERE AND WOOL, SILKS, AND SILKS AND WOOL.
Claims use since July 1, 1909.

Reg. No. 269,721. Registered Mar. 2, 1926. INTERSTATE DRY GOODS SYNDICATE, Huntington, W. Va., a corporation of West Virginia. Republished by registrant.

TEA ROSE

FOR HOSIERY.
Claims use since Sept. 15, 1925.

Reg. No. 222,452. Registered Jan. 4, 1927. WILKNIT HOSIERY COMPANY, Greenfield, Ohio, a partnership. Republished by registrant.

WILKNIT

FOR HOSIERY.
Claims use since Dec. 1, 1924.

Reg. No. 238,647. Registered Feb. 14, 1928. CHAS. CHIPMAN'S SONS CO. INC., New York, N. Y. Republished by F. W. Woolworth Co., New York, N. Y., a corporation of New York.

"TOYTOWN"

FOR HOSIERY.
Claims use since Sept. 6, 1927.

Reg. No. 241,129. Registered Apr. 17, 1928. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

DIXIE

FOR HOSIERY AND GLOVES MADE OF WOVEN AND KNITTED FABRICS, ALL KINDS OF UNDERWEAR, INCLUDING ATHLETIC UNDERWEAR.
Claims use since May 1, 1894.

Reg. No. 248,950. Registered Nov. 6, 1928. BERNE MFG. CO., Berne, Ind. Republished by Winner, Inc., Berne, Ind., a corporation of Indiana.

WINNER

FOR MEN'S WORK CLOTHING—NAMELY, OVERALLS, COMBINED SUITS, PANTS, SHIRTS; CHILDREN'S SUITS, SWEATERS; COATS, SHEEP-LINED, LEATHER, OR RUBBER; WORK GLOVES MADE OF COTTON, WOOL, AND LEATHER.
Claims use since Dec. 29, 1928.

Reg. No. 276,317. Registered Oct. 14, 1930. THE SOUTHERN MILLS PRODUCTS COMPANY, South Bend, Ind. Republished by Whitehouse Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois.

WHITEHOUSE

FOR MEN'S, WOMEN'S, AND CHILDREN'S UNIFORMS, APRONS, LINEN AND COTTON JACKETS.
Claims use since Apr. 1, 1929.

Reg. No. 278,548. Registered Dec. 23, 1930. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

Slip-Tite

FOR COLLARS, DRESS AND NEGLIGEE SHIRTS, AND KNITTED AND TEXTILE UNDERWEAR FOR MEN AND BOYS.
Claims use since Sept. 23, 1929.

Reg. No. 285,153. Registered July 14, 1931. WILLIAM HAHN & COMPANY, Washington, D. C., a corporation of the District of Columbia. Republished by registrant.

"TRU-MOC"

FOR LEATHER SHOES.
Claims use since Feb. 11, 1931.

Reg. No. 296,637. Registered Aug. 16, 1932. FREEMAN SHOE CORPORATION, Beloit, Wis., a corporation of Wisconsin. Republished by registrant.

FREEMAN

FOR MEN'S AND BOYS' SHOES MADE OF LEATHER AND OF FABRIC AND OF COMBINATIONS OF LEATHER AND FABRIC.
Claims use since March 1922.

Reg. No. 302,201. Registered Apr. 4, 1933. THE STAR UNION OVERALL CO., INC., South Norwalk, Conn. Republished by The Star Union Company, New York, N. Y., a firm.

Sleepy Night

FOR MEN'S BOYS', AND CHILDREN'S BROADCLOTH AND FLANNEL PAJAMAS AND MEN'S FLANNEL NIGHTSHIRTS.
Claims use since June 1, 1932.

Reg. No. 304,386. Registered July 4, 1933. STERN-SLEGMAN PRINS COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Betty Rose

FOR WOMEN'S AND GIRLS' COATS.
Claims use since December 1926.

Reg. No. 310,054. Registered Feb. 13, 1934. FRANK L. DENISON & CO., INC., New York, N. Y. Republished by James Nelson, Limited, Nelson, Lancashire, England, a corporation of England.

Nelvo

FOR MEN'S AND BOYS' WORK, NEGLIGEE, AND DRESS SHIRTS, PAJAMAS, AND UNDERWEAR; WOMEN'S PAJAMAS; UNDERGARMENTS—NAMELY, BLOOMERS, VESTS, BANDEAUX, CHEMISES, PETTICOATS, SHORTS, SHIRTS, PANTIES, AND STEPINS (DRAWERS); DRESSES, BLOUSES, AND WAISTS.
Claims use since April 1921.

Reg. No. 324,127. Registered May 14, 1935. GOLDBERG

Reg. No. 364,044. Registered Jan. 17, 1939. WILLIAM

Reg. No. 369,710. Registered Aug. 1, 1939. JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Republished

Reg. No. 374,367. Registered Jan. 9, 1940. WILLIAM HAHN & COMPANY, Washington, D. C., a corporation of

Reg. No. 324,127. Registered May 14, 1935. GOLDBERG MILLINERY COMPANY, Dallas, Tex. Republished by Gold-Claire Hat Company, Incorporated, Dallas, Tex., a corporation of Texas.

Gold-Claire

FOR HATS FOR WOMEN.
Claims use since Feb. 1, 1934.

Reg. No. 335,746. Registered June 16, 1936. FASHION HOSIERY MILLS, INC., Boyertown, Pa., a corporation of Pennsylvania. Republished by registrant.

Fashiondale

FOR HOSIERY.
Claims use since Nov. 22, 1935.

Reg. No. 351,015. Registered Oct. 12, 1937. SOL SHERMAN, New York, N. Y. Republished by registrant.
The words "Bow" and "By Sherman" are disclaimed apart from the mark as shown.

The
CLIPPER BOW
By
SHERMAN

FOR NECKTIES, PRINCIPALLY BOW TIES.
Claims use since May 1, 1936.

Reg. No. 362,256. Registered Nov. 15, 1938. M. H. RAAB-METERHOFF CO., INC., Philadelphia, Pa., assignor to James Nelson Limited. Republished by James Nelson Limited, Nelson, Lancashire, England, a corporation of Great Britain.

NELDEN

FOR WORK AND NEGLIGEE AND DRESS SHIRTS, PAJAMAS, UNDERWEAR FOR MEN — NAMELY, SHIRTS AND SHORTS.
Claims use since February 1938.

Reg. No. 364,044. Registered Jan. 17, 1939. WILLIAM HAHN & COMPANY, Washington, D. C., a corporation of the District of Columbia. Republished by registrant.

TRI-WEAR

The word "Wear" is disclaimed apart from the mark as shown.
FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Jan. 20, 1900.

Reg. No. 364,774. Registered Feb. 14, 1939. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

ROYAL AWARD

The word "Award" is disclaimed apart from the mark as shown.
FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since July 1, 1938.

Reg. No. 364,789. Registered Feb. 14, 1939. ETTELBRICK SHOE COMPANY, Greenup, Ill., a corporation of Illinois. Republished by registrant.

LITTLE BUSYBODY

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND A COMBINATION OF SAID MATERIALS.
Claims use since July 29, 1938.

Reg. No. 367,759. Registered May 30, 1939. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Embassy

Row

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since July 1, 1938.

Reg. No. 369,710. Registered Aug. 1, 1939. JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Republished by Joseph Guttman & Bros., New York, N. Y., a firm.

JELLY BEAN

FOR LADIES' AND MISSES' SWEATERS.
Claims use since Mar. 1, 1938.

Reg. No. 373,310. Registered Dec. 5, 1939. STERN-SLEGMAN PRINS COMPANY, North Kansas City, Mo., a corporation of Missouri. Republished by registrant.

LadyRose

FOR LADIES' COATS.
Claims use since on or about Mar. 10, 1939.

Reg. No. 373,483. Registered Dec. 12, 1939. BURDINES, INC., Miami, Fla., a corporation of Florida. Republished by registrant.

The word "Shoes" and the representation of a shoe are disclaimed apart from the mark as shown.
FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING, PARTICULARLY WOMEN'S HATS, CAPS, AND BERETS, WAISTCOATS, BLOUSES, DRESSES, CULOTTES, THREE- AND FOUR-PIECE PLAYSUITS, TWO-PIECE TENNIS SUITS, OUTER SKIRTS AND UNDERSKIRTS, SASHES, GLOVES OF LEATHER AND FABRIC AND COMBINATIONS THEREOF, SWIM SUITS, BEACH COATS, JACKETS, COLLARS, JABOTS AND SCARFS, BELTS FOR OUTER WEAR; MEN'S AND BOYS' POLO SHIRTS, PAJAMAS, NECKTIES AND DRESSING ROBES; GIRLS' DRESSES; CHILDREN'S PLAYSUITS AND DRESSES, AND SHOES MADE OF LEATHER, RUBBER AND FABRIC, AND COMBINATIONS THEREOF.
Claims use since Dec. 28, 1938.

Reg. No. 374,367. Registered Jan. 9, 1940. WILLIAM HAHN & COMPANY, Washington, D. C., a corporation of the District of Columbia. Republished by registrant.

MAGIC TREAD

The word "Tread" is disclaimed apart from the mark as shown.
FOR SHOES MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Oct. 1, 1934.

Reg. No. 385,497. Registered Mar. 4, 1941. HORTEX MFG. CO., El Paso, Tex. Republished by Hortex Manufacturing Co., Inc., El Paso, Tex., a corporation of Texas.

The word "Togs" is disclaimed apart from the mark as shown.
FOR CHILDREN'S PLAY SUITS.
Claims use since Aug. 1, 1939.

Reg. No. 393,294. Registered Feb. 3, 1942. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrants.

The Topper
A
Comfo-Suit

The word "Suit" is disclaimed apart from the mark as shown.
FOR MEN'S PAJAMAS.
Claims use since Oct. 29, 1934.

Reg. No. 396,156. Registered June 30, 1942. THE ENRO SHIRT COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

RAYTONES

FOR MEN'S PAJAMAS.
Claims use since June 1936.

Reg. No. 398,235. Registered Oct. 20, 1942. ETTELBRICK

Reg. No. 435,278. Registered Dec. 16, 1947. PFEIFFER

CLASS 42

Reg. No. 359,254. Registered Aug. 9, 1938. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New

Reg. No. 398,235. Registered Oct. 20, 1942. ETTELBRICK SHOE COMPANY, Greenup, Ill., assignor to Step Master Shoes Incorporated. Republished by Step Master Shoes, Incorporated, Greenup, Ill., a corporation of Illinois.

Step-Master

FOR CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND RUBBER, AND COMBINATIONS OF SUCH MATERIALS.
Claims use since Feb. 11, 1941.

Reg. No. 398,268. Registered Oct. 20, 1942. LEE MANUFACTURING COMPANY, INC., Shreveport, La. Republished by Shreveport Garment Manufacturers, Shreveport, La., a firm.

"THE ONE FOR ALL"
RED-WHITE-BLUE
"THE ONE FOR YOU"

FOR MEN'S AND BOYS' OVERALLS, JUMPERS, WORK-PANTS, WORK-SHIRTS, AND MEN'S AND BOYS' BLOUSES.
Claims use since Mar. 28, 1942.

Reg. No. 404,239. Registered Nov. 16, 1943. STEP MASTER SHOES, INCORPORATED, Greenup, Ill., a corporation of Illinois. Republished by registrant.

MASTER STEP

FOR WOMEN'S, MISSES', GIRLS', AND INFANTS' SHOES MADE OF LEATHER, FABRIC, RUBBER, OR A COMBINATION OF THESE MATERIALS.
Claims use since Mar. 1, 1942.

Reg. No. 428,197. Registered Mar. 11, 1947. F. W. WOOLWORTH CO., New York, N. Y., a corporation of New York. Republished by registrant.

PATA-CAKE

FOR HOSE FOR CHILDREN.
Claims use since Apr. 20, 1946.

Reg. No. 429,884. Registered May 20, 1947. DAVENSHIRE, INCORPORATED, Davenport, Iowa, a corporation of Iowa. Republished by registrant.

SHIRE-TEX

FOR WOMEN'S, MEN'S, BOYS', MISSES', AND JUNIORS' SLACKS, SHORT SLACKS, LONG-SHORT SLACKS, PANTS, SLACK SUITS, SHIRTS, BLOUSES, COATS, JACKETS, AND SKIRTS.
Claims use since Feb. 1, 1936.

Reg. No. 435,278. Registered Dec. 16, 1947. PFEIFFER HOSIERY, New York, N. Y., a firm. Republished by registrant.

FABULOUS

FOR HOSIERY.
Claims use since Nov. 15, 1946.

Reg. No. 435,320. Registered Dec. 16, 1947. SOL SHERMAN, doing business as Sherman Products, New York, N. Y. Republished by registrant.

"THE LITTLE CROONER"

FOR NECKTIES, BOWTIES, AND SCARFS.
Claims use since Jan. 15, 1947.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 167,680. Registered May 8, 1923. FRANKLIN SILVER PLATE COMPANY, Greenfield, Mass. Republished by Rogers, Lunt & Bowlen Company, Greenfield, Mass., a corporation of Massachusetts.

FRANKLIN

FOR TABLEWARE—NAMELY, KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, NAPKIN MARKERS, NAPKIN BANDS, SALT AND PEPPER SHAKERS, MUFFINEERS, TEA BALLS, CUPS, BOWLS, PITCHERS, CANDLESTICKS, DISHES, POTS, PLATTERS, SERVERS, VASES, TRAYS, BOTTLES, MUGS, COASTERS, JARS, BOTTLE OPENERS, CORKSCREWS, BABY RATTLES, BELLS, ALL OF SAID ARTICLES BEING MADE OF OR ORNAMENTED WITH STERLING SILVER, SILVER PLATE, SHEFFIELD PLATE, GOLD, AND GOLD PLATE.
Claims use since 1912.

Reg. No. 370,699. Registered Sept. 5, 1939. K & K PRODUCT, Chicago, Ill. Republished by Czeslawa Kowalewski, doing business as K & K Products, Chicago, Ill.

POLKA SPIDER WEB

The words "Spider Web" are disclaimed apart from the mark as shown.
FOR HOLDER OR FRAME FOR LACEWORK AND THE LIKE.
Claims use since Sept. 26, 1938.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 65,567. Registered Oct. 8, 1907. NOVELTY KNITTING CO., Albany, N. Y. Republished by Arnold Knitwear Corporation, Cohoes, N. Y., a corporation of New York.

THOSE Arnold KNIT GOODS

FOR KNITTED UNDERWEAR, WASH-CLOTHS, SLIPPERS, NIGHT-GOWNS, APRONS, LAP AND CARRIAGE PADS, BIBS, VESTS, WRAPPERS, BOOTEES, SKIRTS, TOWELS, LEGGINGS, MOCCASINS, SUITS FOR INFANTS, NIGHT-DRAWERS, DIAPERS, PINNING-BANDS, ABDOMINAL BANDS, "SERVIETTE" BANDAGES, AND BELTS FOR WOMEN'S WEAR, ALL MADE OF KNITTED MATERIAL.
Claims use since Apr. 2, 1905.

Reg. No. 90,325. Registered Feb. 18, 1913. GRIBBON, LANGE & STEVEN, New York, N. Y. Republished by Erwin Cotton Mills Company, Durham, N. C., a corporation of North Carolina.

G. L. S. EMPRESS MILLS

FOR COTTON PIECE GOODS.
Claims use since July 14, 1912.

Reg. No. 239,150. Registered Feb. 21, 1928. CARSON PIRIE SCOTT & CO., Chicago, Ill. Republished by Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri.

Rayshan

FOR COTTON PIECE GOODS.
Claims use since about Mar. 10, 1926.

Reg. No. 359,254. Registered Aug. 9, 1938. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

"Permatized"

FOR COTTON MARQUISETTE CURTAINS FINISHED IN THE PIECE.
Claims use since Mar. 1, 1938.

Reg. No. 368,926. Registered July 4, 1939. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KENNETH Catspaw

FOR WINDOW CURTAINS.
Claims use since Dec. 1, 1938.

Reg. No. 374,005. Registered Dec. 26, 1939. NORTH AMERICAN LACE COMPANY, INC., New York, N. Y., and Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant, present address Philadelphia, Pa.

ZEPHERTONE

FOR LACE FABRICS IN THE PIECE AND LACE CURTAINS.
Claims use since Sept. 19, 1938.

Reg. No. 374,970. Registered Jan. 30, 1940. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

COOLEROY

FOR CORDUROY GOODS IN THE PIECE.
Claims use since Sept. 20, 1939.

Reg. No. 376,481. Registered Mar. 26, 1940. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Kenwash

FOR WINDOW CURTAINS.
Claims use since Sept. 23, 1939.

Reg. No. 379,272. Registered July 9, 1940. THE SHER-

Reg. No. 433,040. Registered Sept. 23, 1947. JULIUS N.

Reg. No. 327,890. Registered Sept. 10, 1935. HARRY L.

Reg. No. 350,797. Registered Oct. 5, 1937. DAVID G. EVANS COFFEE COMPANY, St. Louis, Mo., a corporation

Reg. No. 379,272. Registered July 9, 1940. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Quali-Craft

FOR SIGN CLOTH, MUSLIN, STENCIL SILK, PROCESS SILK, BOLTING CLOTH, SILK ORGANDY, PROCESS ORGANDY, AND SIMILAR CLOTHS FOR USE BY SIGN WRITERS, SIGN PAINTERS, COMMERCIAL ARTISTS, ARTISTS, AND SILK SCREEN PROCESSORS.
Claims use since Oct. 2, 1939.

Reg. No. 403,676. Registered Oct. 12, 1943. MARKS AND SPENCER SALES CORPORATION, New York, N. Y. Republished by Exchange Trading Corporation, New York, N. Y., a corporation of New York.

Marspen

FOR PIECE GOODS OF WOOL, WORSTED AND COTTON—NAMELY, COATINGS, SUITINGS, SHIRTINGS, AND DRESS GOODS, AND COTTON VELVETEENS.
Claims use since January 1941.

Reg. No. 415,861. Registered Aug. 21, 1945. GOLDENBRO FABRICS, INC., New York, N Y. Republished by Stern and Stern Textiles, Inc., New York, N. Y., a corporation of New York.

MIRASHEER

FOR PIECE GOODS OF RAYON.
Claims use since Apr. 26, 1944.

Reg. No. 416,707. Registered Sept. 25, 1945. GOLDENBRO FABRICS, INC., New York, N. Y. Republished by Stern and Stern Textiles, Inc., New York, N. Y., a corporation of New York.

MIRAMAR

FOR RAYON AND COTTON PIECE GOODS.
Claims use since January 1933.

Reg. No. 424,138. Registered Sept. 24, 1946. A. D. JUILLIARD & CO., INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

Formella

FOR WORSTED AND WOOLEN PIECE GOODS.
Claims use since Sept. 22, 1944.

Reg. No. 428,518. Registered Mar. 25, 1947. RIVERSIDE & DAN RIVER COTTON MILLS, INC., Danville, Va., now by change of name Dan River Mills, Incorporated. Republished by Dan River Mills, Incorporated, Danville, Va., a corporation of Virginia.

DREAMHOUSE

FOR SHEETS, SHEETING, AND PILLOWCASES.
Claims use since Mar. 28, 1946.

Reg. No. 433,040. Registered Sept. 23, 1947. JULIUS N. WERK FABRICS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FRISQUETTE

FOR RAYON TEXTILE FABRICS, SOLD BY THE PIECE, YARD, OR BOLT.
Claims use since March 1937.

CLASS 43

THREAD AND YARN

Reg. No. 183,858. Registered May 6, 1924. JAMES NELSON LTD., Nelson, England, a corporation of England. Republished by registrant.

NELVO

FOR MERCERIZED SEWING COTTON.
Claims use since June 28, 1923.

Reg. No. 417,955. Registered Nov. 20, 1945. FREYDBERG BROS.-STRAUSS, INC., Stamford, Conn., and New York, N. Y. Republished by Plexon, Inc., New York, N. Y., a corporation of New York.

PLEXON

FOR THREAD COATED WITH CELLULOSIC MATERIAL AND USED IN PACKAGING, WEAVING, AND FOR OTHER PURPOSES.
Claims use since Sept. 10, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 65,567. Registered Oct. 8, 1907. NOVELTY KNITTING CO., Albany, N. Y. Republished by Arnold Knitwear Corporation, Cohoes, N. Y., a corporation of New York.

THOSE Arnold KNIT GOODS

FOR KNITTED UNDERWEAR, WASH-CLOTHS, SLIPPERS, NIGHT-GOWNS, APRONS, LAP AND CARRIAGE PADS, BIBS, VESTS, WRAPPERS, BOOTEES, SKIRTS, TOWELS, LEGGINGS, MOCCASINS, SUITS FOR INFANTS, NIGHT-DRAWERS, DIAPERS, PINNING-BANDS, ABDOMINAL BANDS, "SERVIETTE" BANDAGES, AND BELTS FOR WOMEN'S WEAR, ALL MADE OF KNITTED MATERIAL.
Claims use since Apr. 2, 1905.

Reg. No. 327,890. Registered Sept. 10, 1935. HARRY L. WELKER, Williamsport, Pa. Republished by registrant.

FINGERDENT

FOR DENTAL CLEANSING AND MASSAGE ARTICLES.
Claims use since Mar. 29, 1935.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 82,444. Registered June 27, 1911. JERSEY-CREME CO., Fort Worth, Tex. Republished by The Julep Company, Chicago, Ill., a corporation of Texas.

JERSEY-CREME

FOR NON-ALCOHOLIC TONIC BEVERAGES.
Claims use since about Jan. 10, 1895.

Reg. No. 225,425. Registered Mar. 15, 1927. THE ORANGE SMILE SIRUP COMPANY, St. Louis, Mo. Republished by Orange Smile Sirup Company, St. Louis, Mo., a corporation of Missouri.

DUJLIT

FOR NON-ALCOHOLIC MALTLESS BEVERAGES AND FLAVORS THEREFOR.
Claims use since Oct. 15, 1926.

Reg. No. 324,025. Registered May 7, 1935. FRANKLIN MACVEAGH AND COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CLUB HOUSE

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, SYRUPS FOR MAKING SAID DRINKS, AND CIDER.
Claims use since January 1903.

Reg. No. 350,133. Registered Sept. 14, 1937. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

REFRESHAID

FOR POWDERED INGREDIENT FOR NON-ALCOHOLIC BEVERAGES.
Claims use since Nov. 25, 1935.

Reg. No. 350,797. Registered Oct. 5, 1937. DAVID G. EVANS COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

PICNIC SYRUP

The word "Syrup" is disclaimed apart from the mark as shown.
FOR SYRUPS FOR FLAVORING BEVERAGES AND FOR SOFT DRINKS.
Claims use since the spring of 1925.

Reg. No. 371,153. Registered Sept. 19, 1939. THE JULEP COMPANY, Chicago, Ill., a corporation of Texas. Republished by registrant.

Howel's

FOR NON-ALCOHOLIC MALTLESS BEVERAGES, SODA FOUNTAIN SYRUPS, BOTTLERS' FLAVORS, AND CONCENTRATES.
Claims use since June 1, 1912.

Reg. No. 390,048. Registered Sept. 2, 1941. TRY-IT BOTTLING CO. INC., Lackawanna, N. Y., a corporation of New York. Republished by registrant.

Wanakah Club

FOR NONALCOHOLIC, CEREAL, MALTLESS BEVERAGES, AND SYRUPS FOR MAKING THE SAME, AND CARBONATED WATER.
Claims use since Apr. 10, 1941.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 18,066. Registered June 24, 1890. NASH, WHITON & CO., New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

FOR SALT.
Claims use since Feb. 15, 1889.

Reg. No. 45,183. Registered Aug. 8, 1905. W. J. JENNISON COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

Reg. No. 67,989. Registered Mar. 3, 1908. ALTA VISTA CREAMERY COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Reg. No. 124,257. Registered Jan. 28, 1919. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING CO., Brooklyn, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation

Reg. No. 128,451. Registered Jan. 6, 1920. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

Reg. No. 45,183. Registered Aug. 8, 1905. W. J. JENNISON COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

SWEET CREAM

FOR WHEAT FLOUR.
Claims use since Jan. 1, 1895.

Reg. No. 47,828. Registered Nov. 21, 1905. MASON, AU & MAGENHEIMER CONF. MFG. CO., New York, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

FOR CANDIES AND SWEETMEATS.
Claims use since July 1, 1892.

Reg. No. 49,002. Registered Jan. 16, 1906. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

OLD JUDGE

FOR COFFEE.
Claims use since Sept. 13, 1899.

Reg. No. 50,865. Registered Apr. 3, 1906. STEPHEN F. WHITMAN & SON, Philadelphia, Pa. Republished by Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania..

WHITMAN'S

FOR CANDIES AND CHOCOLATES.
Claims use since 1842.

Reg. No. 50,866. Registered Apr. 3, 1906. STEPHEN F. WHITMAN & SON, Philadelphia, Pa. Republished by Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania..

Whitman's

FOR CANDIES AND CHOCOLATES.
Claims use since January 1903.

Reg. No. 67,989. Registered Mar. 3, 1908. ALTA VISTA CREAMERY COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Alta Vista

FOR ICE-CREAM, ICES, SHERBETS, AND FROZEN CUSTARDS.
Claims use since January 1904.

Reg. No. 95,968. Registered Mar. 24, 1914. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

The words "Chocolates and Confections" are disclaimed apart from the mark as shown.
FOR CANDY CONFECTIONS.
Claims use since Jan. 1, 1912.

Reg. No. 95,969. Registered Mar. 24, 1914. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR CANDY CONFECTIONS.
Claims use since Jan. 1, 1912.

Reg. No. 99,374. Registered Aug. 25, 1914. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Whip

FOR ARTICLE OF CONFECTIONERY OF THE FORM OF A PASTELIKE MASS FOR FILLINGS, DRESSINGS, COATINGS, SAUCES, AND TOPPINGS FOR CAKES, TARTS, PUDDINGS, ICE CREAM, SUNDAES, HOT CHOCOLATE, HOT COCOA, FRUITS, NUTS, AND DESSERTS.
Claims use since about Apr. 1, 1910.

Reg. No. 124,257. Registered Jan. 28, 1919. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING CO., Brooklyn, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

PEAKS

FOR CHOCOLATES.
Claims use since July 27, 1917.

Reg. No. 124,909. Registered Mar. 18, 1919. THE WARRENSBURG MILLS, Warrensburg, Mo. Republished by Rodney Milling Company, Kansas City, Mo., a corporation of Delaware.

FOR WHEAT FLOUR.
Claims use since Aug. 1, 1918.

Reg. No. 127,639. Registered Nov. 18, 1919. MEYER BROS. COFFEE AND SPICE CO., St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

OLD JUDGE

FOR TEAS, MUSTARD, COFFEE, GROUND BLACK PEPPER, AND FLAVORING EXTRACTS FOR FOODS.
Claims use since Jan. 18, 1919.

Reg. No. 128,451. Registered Jan. 6, 1920. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

The word "Mint" is disclaimed apart from the mark as shown.
FOR CANDIES AND CHOCOLATES.
Claims use since Jan. 29, 1918.

Reg. No. 138,141. Registered Dec. 14, 1920. EUGENE A. TUCHSCHMIDT, St. Louis, Mo. Republished by Jack Rabbit Candy Company, St. Louis, Mo., a corporation of Missouri.

The words "I Stand for Quality" are disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since Apr. 4, 1919.

Reg. No. 149,290. Registered Dec. 6, 1921. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Wonderbox

FOR CANDY.
Claims use since May 1915.

Reg. No. 149,362. Registered Dec. 13, 1921. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illinois. Republished by registrant.

FFFG

FOR WHEAT FLOUR.
Claims use since 1855.

Reg. No. 155,657. Registered June 6, 1922. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif. Repub-

Reg. No. 171,257. Registered July 31, 1923. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Reg. No. 182,629. Registered Apr. 15, 1924. RODNEY MILLING COMPANY, also doing business as Inter-City Mills, Kansas City, Mo., a corporation of Delaware. Re-

Reg. No. 198,724. Registered May 26, 1925. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Reg. No. 155,657. Registered June 6, 1922. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif. Republished by Covina Orange Growers Association (1936), Covina, Calif., a corporation of California.

ORCHARD KING

FOR ORANGES IN THEIR NATURAL STATE.
Claims use since Aug. 1, 1921.

Reg. No. 155,868. Registered June 6, 1922. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Sampler

FOR CANDY.
Claims use since Jan. 1, 1912.

Reg. No. 156,221. Registered June 20, 1922. COVINA ORANGE GROWERS ASSOCIATION, Covina, Calif. Republished by Covina Orange Growers Association (1936), Covina, Calif., a corporation of California.

Daffodil

FOR FRESH ORANGES.
Claims use since Aug. 1, 1921.

Reg. No. 164,927. Registered Feb. 27, 1923. ATLANTIC SYRUP REFINING CO., Philadelphia, Pa. Republished by Atlantic Syrup Refining Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

Quaker Maid

FOR TABLE SIRUP.
Claims use since December 1920.

Reg. No. 171,257. Registered July 31, 1923. KING CANDY CO., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

King's for CANDIES American Queens

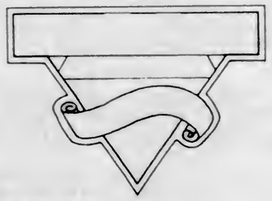
The words "King's" and "Candies" are disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since 1907.

Reg. No. 176,126. Registered Nov. 20, 1923. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Whitman's

FOR INSTANTANEOUS CHOCOLATE, MARSHMALLOW WHIP, FLASH CHOCOLATE, JIFFY MILK COCOA, BUTTER-SCOTCH DRESSING, HOT-CHOCOLATE FUDGE SAUCE, PURE POWDERED COCOA, PREMIUM CHOCOLATE, COCOA, BAKING CHOCOLATE, CHOCOLATE CAKE ICING.
Claims use since 1842.

Reg. No. 176,447. Registered Nov. 27, 1923. TAYLOR & SLEDD INC., Richmond, Va., a corporation of Virginia. Republished by registrant.



FOR CANNED FISH.
Claims use since February 1922.

Reg. No. 176,452. Registered Nov. 27, 1923. TAYLOR & SLEDD INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

TIDEWATER

FOR CANNED FISH, CANNED VEGETABLES, CANNED FRUITS, JAMS AND JELLIES, APPLE BUTTER, PEANUT BUTTER, ALIMENTARY PASTE PRODUCTS, CONDIMENTS.
Claims use since February 1922.

Reg. No. 182,629. Registered Apr. 15, 1924. RODNEY MILLING COMPANY, also doing business as Inter-City Mills, Kansas City, Mo., a corporation of Delaware. Republished by registrant.

Sno-Bread

The word "Bread" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR
Claims use since Feb. 15, 1922.

Reg. No. 183,351. Registered Apr. 29, 1924. MCKEON CANNING CO., INC., Burbank, Calif., a corporation of California. Republished by registrant.

PERMISSION

FOR CANNED FRUITS.
Claims use since July 1922.

Reg. No. 189,847. Registered Sept. 30, 1924. ORANGE-THORPE CITRUS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

ARMISTICE

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1924.

Reg. No. 189,848. Registered Sept. 30, 1924. ORANGE-THORPE CITRUS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

ARBOR

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 26, 1924.

Reg. No. 198,296. Registered May 12, 1925. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GOLDEN BRITTLE

The word "Brittle" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Jan. 2, 1907.

Reg. No. 198,724. Registered May 26, 1925. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR HARD-CANDY STICKS.
Claims use since Nov. 1, 1916.

Reg. No. 200,975. Registered July 14, 1925. BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company (1945), Seattle, Wash., a corporation of California.

FROST KING

FOR CANNED SALMON.
Claims use since about 1911.

Reg. No. 200,982. Registered July 14, 1925. BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company (1945), Seattle, Wash., a corporation of California.

ICE QUEEN

FOR CANNED SALMON.
Claims use since about 1911.

Reg. No. 218,242. Registered Sept. 21, 1926. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Pink of Perfection

The word "Perfection" is disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since Mar. 1, 1911.

Reg. No. 219,096. Registered Oct. 12, 1926. SOUTHERN

Reg. No. 221,548. Registered Dec. 7, 1926. MORTEN

Reg. No. 235,521. Registered Nov. 22, 1927. TRIGG,

Reg. No. 243,109. Registered June 12, 1928. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illi-

Reg. No. 219,096. Registered Oct. 12, 1926. SOUTHERN BISCUIT WORKS, Richmond, Va. Republished by Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia.

FOR CAKES AND CRACKERS.
Claims use since November 1925.

Reg. No. 220,193. Registered Nov. 2, 1926. THE BURRUS MILL AND ELEVATOR CO., Fort Worth, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

FOR WHEAT FLOUR.
Claims use since Jan. 19, 1926.

Reg. No. 221,548. Registered Dec. 7, 1926. MORTEN MILLING COMPANY, Dallas, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

The name "Morten Milling Co." is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since May 1906.

Reg. No. 222,561. Registered Jan. 4, 1927. KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill. Republished by Minnesota Valley Canning Company, Le Sueur, Minn., a corporation of Minnesota.

Peter Rabbit

FOR CANNED PEAS AND CORN.
Claims use since on or about Apr. 1, 1913.

Reg. No. 226,058. Registered Mar. 29, 1927. COX CONFECTIONERY COMPANY, Boston and East Boston, Mass. Republished by Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

Wynnewood

FOR CANDY.
Claims use since January 1921.

Reg. No. 235,521. Registered Nov. 22, 1927. TRIGG, DOBBS & COMPANY, Chattanooga, Tenn. Republished by Fleetwood Coffee Company, Chattanooga, Tenn., a corporation of Tennessee.

Saturday Special

FOR COFFEE.
Claims use since May 1, 1927.

Reg. No. 241,962. Registered May 8, 1928. WALTER BLAIR RODDENBERY, SR., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

MAPLE-ADE

The word "Maple" is disclaimed apart from the mark as shown.
FOR FOOD SYRUP.
Claims use since Aug. 6, 1927.

Reg. No. 242,245. Registered May 15, 1928. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PRESTIGE

FOR CANDY.
Claims use since Dec. 1, 1927.

Reg. No. 243,092. Registered June 12, 1928. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illinois. Republished by registrant.

FOR WHEAT FLOUR, SELF-RISING FLOUR, CAKE FLOUR, AND MILL FEEDS.
Claims use since 1883.

Reg. No. 243,109. Registered June 12, 1928. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illinois. Republished by registrant.

FOR WHEAT FLOUR AND SELF-RISING FLOUR.
Claims use since Jan. 2, 1913.

Reg. No. 243,220. Registered June 12, 1928. RODDENBERY BROS., Cairo, Ga. Republished by W. B. Roddenbery Company, Inc., Cairo, Ga., a corporation of Georgia.

Northwoods

FOR CANE AND MAPLE SUGAR SYRUP.
Claims use since Dec. 16, 1927.

Reg. No. 246,971. Registered Sept. 18, 1928. SAN JUAN FISHING & PACKING COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

SEA FARER

FOR FRESH, SALT, AND PICKLED FISH.
Claims use since July 21, 1927.

Reg. No. 249,958. Registered Nov. 27, 1928. PAGE MILK CO., Merrill, Wis. Republished by The Page Milk Co., Merrill, Wis., a corporation of Delaware.

Paco

FOR CANNED EVAPORATED MILK.
Claims use since June 1927.

Reg. No. 260,263. Registered Aug. 20, 1929. TAYLOR & SLEDD, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

TIDEWATER

FOR CANNED FISH, SALT FISH, CANNED VEGETABLES, AND CANNED HERRING ROE.
Claims use since February 1922.

Reg. No. 261,003. Registered Sept. 3, 1929. UNION FISH COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company, Seattle, Wash., a corporation of California.

FROST KIST

FOR CANNED AND SALT FISH.
Claims use since June 22, 1927.

Reg. No. 267,994. Registered Mar. 4, 1930. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illinois. Republished by registrant.

MALLOW BLOOM

FOR WHEAT FLOUR AND SELF-RISING FLOUR.
Claims use since November 1927.

Reg. No. 271,006. Registered May 20, 1930. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

WHITE CAP

FOR CANDY.
Claims use since July 21, 1925.

Reg. No. 273,378. Registered Aug. 5, 1930. THE JOHN C. GROUB COMPANY, Seymour and Mitchell, Ind., a corporation of Indiana. Republished by registrant.

RULER

FOR WHEAT FLOUR.
Claims use since Oct. 1, 1905.

Reg. No. 275,590. Registered Sept. 23, 1930. ANAHEIM COMMUNITY GROWERS, INC., Anaheim, Calif. Republished by Orange County Valencia Association, Anaheim, Calif., a corporation of California.

SAFEGUARD

FOR FRESH CITRUS FRUITS.
Claims use since May 15, 1930.

Reg. No. 280,844. Registered Mar. 3, 1931. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

LITTLE WONDER

FOR POP CORN IN ITS NATURAL STATE.
Claims use since 1912.

Reg. No. 282,207. Registered Apr. 14, 1931. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

LAND SEA AND AIR

FOR CANDY.
Claims use since November 1930.

Reg. No. 284,213. Registered June 16, 1931. P. D. GWALTNEY, JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

GWALTNEY'S

FOR CURED MEATS.
Claims use since 1882.

Reg. No. 284,352. Registered June 23, 1931. MARITIME MILLING CO. INC., Buffalo, N. Y., a corporation of New York. Republished by registrant.

VITAMIZED
BULL
B B

No claim is made to the term "Vitamized" apart from the mark as shown.
FOR CHICKEN FEED—NAMELY, LAYING MASH, EGG MASH, CHICKEN-STARTER RATION, BROILER AND GROWER RATION, AND CONTROL MASH.
Claims use since Jan. 1, 1929.

Reg. No. 288,134. Registered Oct. 20, 1931. CLARENCE BESSINO, Los Angeles, Calif. Republished by Fillmore Lemon Association, Fillmore, Calif., a corporation of California.

ALL YEAR

FOR FRESH CITRUS FRUITS.
Claims use since May 27, 1931.

Reg. No. 292,757. Registered Mar. 29, 1932. FILLMORE CITRUS ASSOCIATION, Fillmore, Calif., a corporation of California. Republished by registrant.

GLIDER

FOR FRESH CITRUS FRUITS.
Claims use since on or about Oct. 16, 1931.

Reg. No. 294,867. Registered June 7, 1932. FILLMORE CITRUS ASSOCIATION, Fillmore, Calif., a corporation of California. Republished by registrant.

CYCLE

FOR FRESH CITRUS FRUITS.
Claims use since on or about Jan. 1, 1885.

Reg. No. 298,361. Registered Oct. 25, 1932. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

VOLUMIZED

FOR POP CORN IN ITS NATURAL STATE.
Claims use since June 9, 1932.

Reg. No. 299,897. Registered Dec. 27, 1932. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FAIRHILL

FOR CANDY.
Claims use since July 13, 1932.

Reg. No. 300,051. Registered Jan. 3, 1933. TAPO CITRUS ASSOCIATION, Simi, Calif., a corporation of California. Republished by registrant.

Native Daughter

FOR FRESH CITRUS FRUITS.
Claims use since Feb. 28, 1918.

Reg. No. 308,140. Registered Nov. 21, 1933. WORCESTER SALT CO., New York, N. Y. Republished by Worcester Salt Company, New York, N. Y., a corporation of Delaware.

The representation of the goods and all the words are disclaimed apart from the mark as shown except the words "Worcester" and "Worcester Salt Company."
FOR SALT.
Claims use since on or about May 22, 1933.

Reg. No. 314,708. Registered July 3, 1934. ESCONDIDO CO-OPERATIVE CITRUS ASSOCIATION, Escondido, Calif., a corporation of California. Republished by registrant.

GRAND-SITE

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 27, 1934.

Reg. No. 319,039. Registered Nov. 13, 1934. ESCONDIDO CO-OPERATIVE CITRUS ASSOCIATION, Escondido, Calif., a corporation of California. Republished by registrant.

HI-STEPPER

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 27, 1934.

Reg. No. 325,343. Registered June 18, 1935. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

DOVE

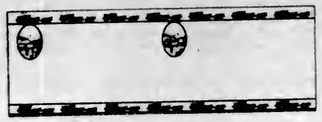
FOR PEPPER SAUCE, JELLY POWDER, COCOA, MINT SAUCE, ONION SALT, CHILI POWDER.
Claims use since Jan. 2, 1927.

Reg. No. 331,974. Registered Jan. 28, 1936. JACK BROS. & MCBURNEY CO., Brawley, Calif. Republished by Earl L. Jack, Brawley, Calif.

BLUE JACK

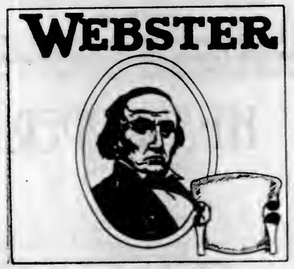
FOR FRESH CANTALOUPE, FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, AND FRESH GRAPES.
Claims use since Apr. 10, 1935.

Reg. No. 332,285. Registered Feb. 11, 1936. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.



The representation of the label is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES.
Claims use since September 1933.

Reg. No. 332,349. Registered Feb. 11, 1936. ANAHEIM COMMUNITY GROWERS, Anaheim, Calif. Republished by Orange County Valencia Association, Anaheim, Calif., a corporation of California.



No claim is made to the outline of a label.
FOR FRESH CITRUS FRUIT.
Claims use since Feb. 26, 1924.

Reg. No. 332,707. Registered Feb. 25, 1936. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

The representation of the label is disclaimed apart from the mark as shown.
FOR CANNED FRUIT.
Claims use since November 1934.

Reg. No. 333,029. Registered Mar. 10, 1936. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton and Placentia, Calif., a corporation of California. Republished by registrant, present address Fullerton, Calif.

DOÑA

FOR FRESH CITRUS FRUIT.
Claims use since Oct. 22, 1935.

Reg. No. 333,132. Registered Mar. 10, 1936. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

GOLDIELOCKS

FOR CANNED FRUITS.
Claims use since Oct. 8, 1935.

Reg. No. 333,532. Registered Mar. 24, 1936. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Republished by registrant.

No claim is made to the outline of a label.
FOR FRESH CITRUS FRUIT.
Claims use since Oct. 20, 1935.

Reg. No. 333,659. Registered Mar. 31, 1936. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

JOLLY ROGER

FOR CANNED FRUIT AND CANNED SPANISH STYLE HOT SAUCE.
Claims use since Oct. 8, 1935.

Reg. No. 335,395. Registered June 2, 1936. DONNA CITRUS ASSOCIATION, Donna, Tex., a corporation of Texas. Republished by registrant.

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 18, 1932.

Reg. No. 335,396. Registered June 2, 1936. DONNA CITRUS ASSOCIATION, Donna, Tex., a corporation of Texas. Republished by registrant.

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 18, 1932.

Reg. No. 335,401. Registered June 2, 1936. DONNA CITRUS ASSOCIATION, Donna, Tex., a corporation of Texas. Republished by registrant.

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 18, 1932.

Reg. No. 335,585. Registered June 9, 1936. TAYLOR & SLEDD, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

WILTON MANOR

FOR CANNED VEGETABLES.
Claims use since Dec. 29, 1935.

Reg. No. 335,603. Registered June 9, 1936. OTTO L. KUEHN CO., Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

RAPID RIVER

FOR CANNED FISH.
Claims use since October 1901.

Reg. No. 335,798. Registered June 16, 1936. TAYLOR & SLEDD, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

DURHAM MAID

FOR CANNED FRUITS AND VEGETABLES.
Claims use since October 1935.

Reg. No. 336,776. Registered July 14, 1936. TAYLOR & SLEDD, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

WEST-OVER

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Dec. 29, 1935.

Reg. No. 337,581. Registered Aug. 11, 1936. WILLIAM H. BURNS, doing business as Atlantic Syrup Refining Co., Philadelphia, Pa. Republished by Atlantic Syrup Refining Corporation, Philadelphia, Pa., a corporation of Pennsylvania.

MY SONS

FOR TABLE SYRUP.
Claims use since Dec. 10, 1935.

Reg. No. 338,690. Registered Sept. 15, 1936. BERCUT-RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

General Fremont

FOR CANNED FRUITS, CANNED VEGETABLES.
Claims use since Mar. 23, 1936.

Reg. No. 375,078. Registered Feb. 6, 1940. THE

FOR CANNED FRUIT.
Claims use since November 1934.

Claims use since Oct. 8, 1935.

Claims use since Oct. 18, 1932.

Reg. No. 344,419. Registered Mar. 23, 1937. BERCUT RICHARDS PACKING COMPANY, Sacramento, Calif., a corporation of California. Republished by registrant.

STATE FAIR

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED SPANISH STYLE HOT SAUCE.
Claims use since Feb. 26, 1936.

Reg. No. 346,974. Registered June 15, 1937. E. B. MOSHIER, doing business as The Instant Products Manufacturing Company, Omaha, Nebr. Republished by The Instant Products Manufacturing Company, Omaha, Nebr., a partnership.

DRINK-ADE

FOR CONCENTRATED FRUIT FLAVORS FOR USE IN PREPARING SHERBETS.
Claims use since May 10, 1935.

Reg. No. 347,630. Registered June 29, 1937. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif. Republished by Gavilan Citrus Association, Arlington, Calif., a corporation of California.

MILLION

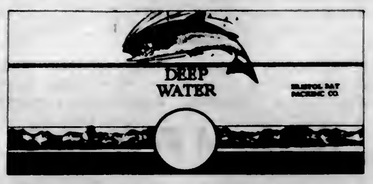
FOR CITRUS FRUITS.
Claims use since about Feb. 4, 1937.

Reg. No. 348,212. Registered July 20, 1937. H. R. SPENCER, doing business as Spencer Bakery Products Company, Richmond, Va., assignor to Southern Biscuit Company, Incorporated, a corporation of Virginia. Republished by Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia.

FAMOUS FLIGHT

FOR BISCUITS.
Claims use since Jan. 21, 1937.

Reg. No. 350,369. Registered Sept. 28, 1937. BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Republished by Bristol Bay Packing Company (1945), Seattle, Wash., a corporation of California.



The drawing is lined to indicate shading. The representation of the fish, the outline of the label, and the words "Deep Water" are disclaimed apart from the mark as shown.
FOR CANNED FISH.
Claims use since Nov. 10, 1936.

Reg. No. 350,502. Registered Sept. 28, 1937. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

REFRESHAID

FOR POWDERED PREPARATION FOR FLAVORING ICE CUBES, SHERBETS, AND DESSERTS.
Claims use since Nov. 25, 1935.

Reg. No. 351,043. Registered Oct. 19, 1937. FRANK C. PEARCE COMPANY, Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.

CLOVERLAND

FOR SALTED FISH.
Claims use since Sept. 15, 1921.

Reg. No. 355,153. Registered Mar. 8, 1938. MISSION FRUIT & VEGETABLE CO., INC., Mission, Tex. Republished by Mission Fruit & Vegetable Co., Mission, Tex., a firm.

TEX-PINK

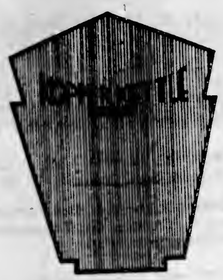
The word "Pink" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, GRAPEFRUIT.
Claims use since October 1935.

Reg. No. 359,690. Registered Aug. 30, 1938. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant.

LITTLE CHIEF

FOR FRESH CITRUS FRUIT.
Claims use since about July 1, 1937.

Reg. No. 360,337. Registered Sept. 13, 1938. J. D. ARMSTRONG, Los Angeles, Calif. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown. The drawing is lined to show letters in gold upon a red background with a border of gold.
FOR JELLIES, JAMS, FRUIT PRESERVES, MARMALADES, AND TABLE SYRUP.
Claims use since January 1934.

Reg. No. 364,521. Registered Feb. 7, 1939. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant.

NAROD CHIEF

The word "Narod" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since July 1, 1937.

Reg. No. 366,033. Registered Mar. 28, 1939. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

AIR-BONS

FOR CANDY.
Claims use since Oct. 21, 1931.

Reg. No. 368,404. Registered June 20, 1939. WEST ONTARIO CITRUS ASSOCIATION, Ontario, Calif., a corporation of California. Republished by registrant.

HIGHWAY

FOR FRESH CITRUS FRUIT.
Claims use since about 1911.

Reg. No. 371,504. Registered Sept. 26, 1939. FILLMORE CITRUS ASSOCIATION, Fillmore, Calif., a corporation of California. Republished by registrant.

LEGAL TENDER

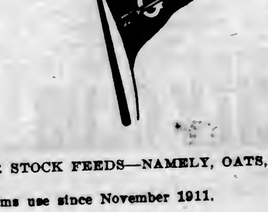
FOR FRESH CITRUS FRUIT.
Claims use since 1922.

Reg. No. 375,078. Registered Feb. 6, 1940. THE WANDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

WANDER

FOR PREPARATION OF MALTED MILK AND A CHOCOLATE FLAVORED DAIRY SYRUP.
Claims use since Aug. 2, 1939.

Reg. No. 375,421. Registered Feb. 20, 1940. MONARK EGG CORPORATION, Kansas City, Mo., a corporation of Missouri. Republished by registrant.



The word "Brand" is disclaimed apart from the mark as shown.
FOR EGGS.
Claims use since about Feb. 1, 1932.

Reg. No. 377,160. Registered Apr. 23, 1940. H. R. SPENCER, doing business as Spencer Bakery Products Company, Richmond, Va., assignor to Southern Biscuit Company, Incorporated. Republished by Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia.

MELL-O-GOLD

FOR COOKIES.
Claims use since June 15, 1939.

Reg. No. 377,622. Registered May 7, 1940. D. H. GRANDIN MILLING COMPANY, Jamestown, N. Y., a corporation of New York. Republished by registrant.

FOR STOCK FEEDS—NAMELY, OATS, CORN, BARLEY.
Claims use since November 1911.

Reg. No. 396,231. Registered June 30, 1942. FRANCIS

Reg. No. 379,766. Registered July 23, 1940. M. O. Best, Phoenix, Ariz., and El Centro, Calif. Republished by registrant, present address Phoenix, Ariz.

CREED

FOR FRESH VEGETABLES.
Claims use since Dec. 1, 1939.

Reg. No. 380,863. Registered Sept. 3, 1940. Borden Fruit Co., Anaheim, Calif., a firm. Republished by registrant.

NANCY

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 19, 1940.

Reg. No. 380,864. Registered Sept. 3, 1940. Borden Fruit Co., Anaheim, Calif., a firm. Republished by registrant.

SIREN

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 19, 1940.

Reg. No. 384,209. Registered Jan. 7, 1941. La Verne Orange Association, La Verne, Calif., a corporation of California. Republished by registrant.

LUPINE

FOR FRESH CITRUS FRUITS.
Claims use since Mar. 27, 1937.

Reg. No. 384,761. Registered Feb. 4, 1941. H. P. Coffee Company, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

CITY CLUB

FOR COFFEE.
Claims use since Jan. 3, 1912.

Reg. No. 385,640. Registered Mar. 11, 1941. The Wander Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.

OVALTINE

FOR FOOD PRODUCT MADE FROM BARLEY MALT, MILK, AND OTHER INGREDIENTS, SWEETENED OR UNSWEETENED, FOR USE IN MAKING FOOD BEVERAGES.
Claims use since Jan. 2, 1925.

Reg. No. 385,641. Registered Mar. 11, 1941. The Wander Company, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Toddy

FOR READY TO SERVE FOOD PRODUCT IN FLUID FORM CONTAINING MILK WITH SUGAR, COCOA, AND OTHER INGREDIENTS.
Claims use since Aug. 12, 1940.

Reg. No. 386,241. Registered Apr. 1, 1941. National Starch Products Inc., New York, N. Y., a corporation of Delaware. Republished by registrant.

MELOJEL

FOR FOOD STARCHES.
Claims use since May 20, 1940.

Reg. No. 386,302. Registered Apr. 1, 1941. N. C. Coan, doing business as Animal Foods Company and Amco Sales Co., San Jose, Calif., and Houston, Tex. Republished by registrant.

Bounty

FOR CANNED FOODS FOR DOGS, CATS, FOXES, AND OTHER CARNIVOROUS ANIMALS.
Claims use since Oct. 25, 1940.

Reg. No. 388,304. Registered June 17, 1941. Southern Biscuit Company, Incorporated, Richmond, Va., a corporation of Virginia. Republished by registrant.

Hunt Club

FOR BISCUITS.
Claims use since January 1934.

Reg. No. 388,956. Registered July 22, 1941. Bercut-Richards Packing Company, Sacramento, Calif., a corporation of California. Republished by registrant.

The drawing is lined for blue and gold. The representation of the label is disclaimed apart from the mark as shown.
FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since October 1937.

Reg. No. 392,262. Registered Dec. 16, 1941. The Somerset Canning Corporation, Somerset, Pa., a corporation of Pennsylvania. Republished by registrant.

TABLELAND

FOR CANNED VEGETABLES.
Claims use since Sept. 1, 1938.

Reg. No. 392,973. Registered Jan. 20, 1942. The Frank Tea & Spice Company, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

Mr. Mustard

The word "Mustard" is disclaimed apart from the mark as shown.
FOR PREPARED MUSTARD.
Claims use since March 1941.

Reg. No. 394,988. Registered May 5, 1942. Pangburn Company, Inc., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

FOR CANDY.
Claims use since Aug. 7, 1941.

Reg. No. 396,231. Registered June 30, 1942. Francis C. Stokes Company, Vincentown, N. J., a corporation of New Jersey. Republished by registrant.

STOKES

FOR APPLE JUICE FOR FOOD PURPOSES AND CANNED SWEET POTATOES.
Claims use since 1881.

Reg. No. 396,516. Registered July 21, 1942. Fillmore Citrus Association, Fillmore, Calif., a corporation of California. Republished by registrant.

AIRSHIP

FOR FRESH CITRUS FRUIT.
Claims use since December 1905.

Reg. No. 396,962. Registered Aug. 11, 1942. Bercut-Richards Packing Company, Sacramento, Calif., a corporation of California. Republished by registrant.

NANNELLA

FOR CANNED VEGETABLES.
Claims use since Jan. 16, 1942.

Reg. No. 402,666. Registered Aug. 10, 1943. Haxton Canning Company, Inc., Oakfield, N. Y. Republished by Haxton Foods, Inc., Oakfield, N. Y., a corporation of New York.

Blue Boy

FOR CANNED FRUITS AND VEGETABLES, FROZEN FRUITS, FRESH VEGETABLES, EXCEPT LETTUCE; FRESH FRUITS, EXCEPT CANTALOUPES; CANNED SAUERKRAUT, DRY BEANS, BOTTLED MILK AND CREAM, AND CANNED TOMATO JUICE.
Claims use since Jan. 26, 1904.

Reg. No. 404,934. Registered Dec. 28, 1943. Dehn & Co., Inc., Seattle, Wash. Republished by Dehn & Co., Inc. (1946), Seattle, Wash., a corporation of Washington.

DENCO

FOR CANNED SALMON.
Claims use since March 1935.

Reg. No. 404,935. Registered Dec. 28, 1943. DEHN & CO., INC., Seattle, Wash. Republished by Dehn & Co., Inc. (1946), Seattle, Wash., a corporation of Washington.

SNOW BELLE

FOR CANNED SALMON.
Claims use since April 1935.

Reg. No. 406,925. Registered May 9, 1944. KARL DEHN, doing business as Dehn & Co., Seattle, Wash. Republished by Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.

BARGE

FOR CANNED SALMON.
Claims use since Dec. 14, 1934.

Reg. No. 406,926. Registered May 9, 1944. KARL DEHN, doing business as Dehn & Co., Seattle, Wash. Republished by Dehn & Co., Inc., Seattle, Wash., a corporation of Washington.

SEAWALL

FOR CANNED SALMON.
Claims use since Apr. 26, 1935.

Reg. No. 407,530. Registered June 6, 1944. PANOBURN COMPANY, INC., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Ranch Rhythm

FOR CANDY.
Claims use since Nov. 23, 1943.

Reg. No. 409,010. Registered Sept. 12, 1944. WHIS FISH PRODUCTS COMPANY, Seattle, Wash. Republished by Whis Fish Products Company, Inc., Seattle, Wash., a corporation of Washington.

Golden Mist

FOR FISH PRODUCTS—NAMELY, CANNED FISH.
Claims use since 1939.

Reg. No. 411,663. Registered Jan. 30, 1945. DESBERGERS-BISMOL LABORATORIES, Montreal, Quebec, Canada. Republished by Desbergers Limited, Montreal, Quebec, Canada, a corporation of Canada.

NOURIC

FOR DRY GRANULAR FOOD FOR BABIES AND CHILDREN, HAVING A CEREAL BASE AND CONTAINING VITAMINS AND MINERALS.
Claims use since Jan. 10, 1941.

Reg. No. 416,853. Registered Oct. 2, 1945. CAPITAL BAKERS INC., Harrisburg, Pa. Republished by Capital Bakers Inc., Harrisburg, Pa., a corporation of Pennsylvania.

CAPITAL

FOR BREAD, ROLLS, AND CAKE.
Claims use since Jan. 12, 1945.

Reg. No. 422,192. Registered July 9, 1946. THE WANDER COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

OVALTINE

FOR FLAVORED DESSERT POWDERS FOR FOOD PURPOSES CONSISTING OF SUCROSE, COCOA, MALT EXTRACT AND OTHER INGREDIENTS; ALSO FOR FOOD PRODUCTS MADE FROM BARLEY, MALT AND OTHER INGREDIENTS, SWEETENED OR UNSWEETENED, FOR USE IN MAKING FOOD BEVERAGES.
Claims use since 1906.

Reg. No. 422,937. Registered Aug. 20, 1946. RODNEY MILLING COMPANY, doing business as The Russell Milling Co., Kansas City, Mo., and Russell, Kans., a corporation of Delaware. Republished by registrant.

RUSSELL'S BEST R

The words "Russell's Best" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since on or about May 1, 1906.

Reg. No. 424,844. Registered Oct. 29, 1946. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va., a corporation of Virginia. Republished by registrant.

PEACOCK

FOR COOKIES.
Claims use since Jan. 20, 1942.

Reg. No. 430,354. Registered June 10, 1947. ROESCH AND RHODES, Clarence Center, N. Y., a firm. Republished by registrant.

ROAPON

FOR LIVE AND DRESSED POULTRY.
Claims use since Jan. 21, 1946.

Reg. No. 432,224. Registered Aug. 26, 1947. ATKINSON MILLING COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

BEST OF ALL

FOR WHEAT FLOUR.
Claims use since 1890.

Reg. No. 434,562. Registered Nov. 25, 1947. PALMER C. MENDELSON CO., San Francisco, Calif., a copartnership. Republished by registrant.

SKY-PATH

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since Apr. 13, 1946.

Reg. No. 434,988. Registered Dec. 9, 1947. KELCO COMPANY, San Diego, Calif., a corporation of Delaware. Republished by registrant.

COCOLOID

FOR ALGIN OR ALGIN-CARRAGEENIN COMPOSITION FOR USE AS A HYDROPHILIC COLLOID POSSESSING STABILIZING, BODYING, EMULSIFYING, SUSPENDING AND WATER HOLDING PROPERTIES IN DAIRY PRODUCTS SUCH AS CHOCOLATE MILK, SYRUPS AND TOPPINGS, CONFECTIONS, CHEESE AND IN OTHER FOOD USES.
Claims use since May 20, 1933.

Reg. No. 434,999. Registered Dec. 9, 1947. UTAH-IDAHO SUGAR COMPANY, Salt Lake City, Utah, a corporation of Utah. Republished by registrant.

U AND I

FOR SUGAR IN GRANULATED AND POWDERED FORM, AND POTATOES.
Claims use since Mar. 1, 1926.

CLASS 47

WINES

Reg. No. 21,716. Registered Sept. 6, 1892. COMPANHIA GERAL D'AGRICULTURA DAS VINHAS DO ALTO DOURO, Oporto, Portugal, a limited liability company of Portugal. Republished by registrant.

FOR WINES.
Claims use since 1852.

FOR CANDY.
Claims use since Nov. 23, 1943.

ENED, FOR USE IN MAKING FOOD BEVERAGES.
Claims use since 1906.

FOR WHEAT FLOUR.
Claims use since 1890.

FOR WINES.
Claims use since 1852.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 250,347. Registered Dec. 4, 1928. JACKSON BREWING COMPANY, New Orleans, La., a corporation of Louisiana. Republished by registrant.

SABANA

FOR NONALCOHOLIC MALT CEREAL BEVERAGES.
Claims use since Apr. 25, 1928.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 47,605. Registered Nov. 14, 1905. JAS. E. PEPPER & CO., Lexington, Ky. Republished by JAS. E. Pepper & Company, Lexington, Ky., a corporation of Kentucky.

PEPPER

Jas E. Pepper & Co.

FOR WHISKY.
Claims use since 1880.

Reg. No. 57,616. Registered Nov. 13, 1906. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

WAGNER

FOR WHISKEY.
Claims use since March 1883.

Reg. No. 93,892. Registered Mar. 24, 1914. THE DISTILLERS COY. LD., Edinburgh, Scotland. Republished by The Distillers Agency Limited, Edinburgh, Scotland, a limited liability company of Great Britain.

TOP NOTCH

FOR SCOTCH WHISKIES.
Claims use since Mar. 16, 1912.

Reg. No. 312,796. Registered May 8, 1934. CRAIGHALL BONDING COMPANY, Glasgow, Scotland, a firm of Scotland. Republished by registrant.

The words "Old Scotch Whisky," "Glasgow," "London," and "Liverpool" are disclaimed apart from the mark as shown.
FOR SCOTCH WHISKY.
Claims use since Aug. 15, 1933.

Reg. No. 364,996. Registered Feb. 21, 1939. BEAR CREEK VINEYARD ASSOCIATION, Lodi, Calif. Republished by Wine Growers Guild, Lodi, Calif., a corporation of California.

CEREMONY

FOR BRANDY.
Claims use since July 30, 1938.

Reg. No. 406,220. Registered Mar. 14, 1944. BERNHEIM DISTILLING COMPANY, Louisville, Ky., a corporation of Kentucky. Republished by registrant.

I.W.HARPER

FOR WHISKEY.
Claims use since 1872.

Reg. No. 415,106. Registered July 10, 1945. PEBBLEFORD DISTILLERY COMPANY, Wilder, Newport, Ky., a corporation of Kentucky. Republished by registrant.

PEBBLE-FORD

FOR WHISKEY.
Claims use since Mar. 1, 1906.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 160,612. Registered Oct. 24, 1922. OVINGTON BROS. COMPANY, New York, N. Y. Republished by Ovington's Gift Shop, Inc., New York, N. Y., a corporation of New York.

OVINGTON'S

FOR IMITATION ART BRONZES, AND IMITATION BRONZES.
Claims use since Jan. 1, 1895.

PATENTS

GRANTED JANUARY 18, 1949

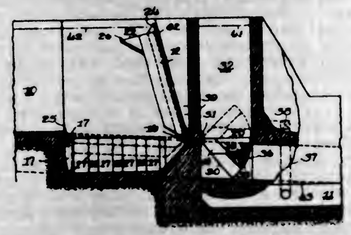
2,459,138
NICOTINE AND BETA-BETA-DICHLORETHYL ETHER INSECTICIDE
Owen T. Coffin and David J. Raden, Los Angeles, Calif., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 22, 1944, Serial No. 564,724
9 Claims. (Cl. 167—22)

2. An insecticide comprising nicotine and beta-beta-dichlorethyl ether; said nicotine and said beta-beta-dichlorethyl ether being present in a sufficient amount to provide, as compared with the separate insecticidal properties of the components, an improved insecticide that is effective over a longer period of time, that is effective under acid conditions, and that retains a greater insecticidal property at lower temperatures.

2,459,139
PROCESS FOR EXTRACTION AND PURIFICATION OF SUBTILIN
Keene P. Dimick, Redwood City, Gordon Alderton, Albany, and James C. Lewis, Berkeley, Calif., and Howard D. Lightbody and Harry L. Fevold, Chicago, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application September 26, 1947, Serial No. 776,396
5 Claims. (Cl. 260—236.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

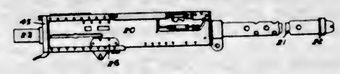
5. The method of preparing subtilin in purified form which comprises extracting a material containing subtilin with 65% to 70% ethanol, acidifying the extract with acetic acid and concentrating it to precipitate the subtilin-containing fraction, removing undesired components from this precipitate by washing with 95% ethanol, then with 85% ethanol containing about 1% acetic acid and about 1% sodium chloride, then extracting the partly purified precipitate with aqueous acetic acid which has been adjusted to a pH of 4.6 to 4.7 by the addition of alkali, removing ions from the extract and evaporating the solvents.

2,459,140
LOCK GATE SYSTEM
Christian Arne, Chicago, Ill.
Application April 5, 1946, Serial No. 659,753
21 Claims. (Cl. 61—24)



1. An automatic gate system comprising a lock, a hinged gate forming at least a part of one side of the lock and normally held upright when in closed position by the head of water within the lock, means for draining the water from the lock until the water level reaches a point where the weight of the gate overcomes the water head to lower the gate toward open position, means for applying fluid pressure to the under side of the gate when in open position for rotating the gate about its hinge toward closed position, and means for refilling the lock, said gate being forced to completely closed position by the rising head of water within the lock and said gate requiring substantially no more time to open and close than the time required for draining and refilling the lock.

2,459,141
ACCELERATION OF BREECH BOLTS IN MACHINE GUNS
Charles E. Ballcisen, Arlington, Va.
Application May 2, 1946, Serial No. 666,779
5 Claims. (Cl. 89—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a rapid fire machine gun; a receiver, a reciprocating barrel therein, a reciprocating breech bolt independently reciprocable therein, a barrel buffer and counterrecoil spring means for the barrel, a buffer and driving spring means for the bolt, positioned to be effective later in the recoil cycle than the barrel buffer, an accelerator pivotally supported in the receiver to swing against the bolt through part of the movement of the latter for accelerating the recoil of said bolt, a barrel extension having a bearing surface substantially transverse to the line of recoil and moveable in recoil to actuate said accelerator by bearing thereon during the pivotal movement thereof against the bolt, said accelerator having a leading cam edge for engagement with said barrel extension bearing surface, the contour of said leading cam edge being such as to initially fulcrum on said bearing surfaces at a radial distance from the pivotal axis of said accelerator which bears substantially the same ratio to the corresponding distance to the line of bearing between the accelerator axis of the bolt when the accelerator initially engages the bolt accelaratively as the ratio of barrel speed to bolt speed at this instant, said contour being shaped to progressively reduce said radial fulcrum distance as said barrel extension continues its recoil motion, whereby the bolt is progressively and smoothly accelerated relative to the barrel as recoil proceeds.

2,459,142
ELECTRICAL TEST APPARATUS
Mortimer F. Bates, Brooklyn, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 30, 1945, Serial No. 613,621
8 Claims. (Cl. 177—311)

4. An electric system for detecting detonation of the cylinders of an internal combustion engine having a crankshaft and a plurality of combustion cylinders, comprising a detonation pickup

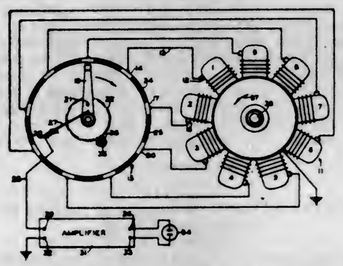
FOR SCOTCH WHISKIES.
Claims use since Mar. 16, 1912.

FOR IMITATION ART BRONZES, AND IMITATION BRONZES.
Claims use since Jan. 1, 1895.

1. An automatic gate system comprising a lock, a hinged gate forming at least a part of one side of the lock and normally held upright when in

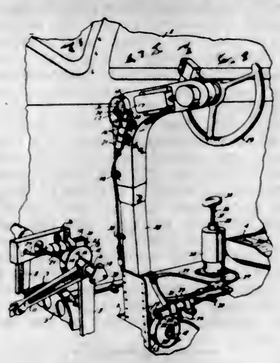
795

unit coupled to each cylinder of said engine to be tested for producing an electric signal responsive to detonation, detonation test apparatus for receiving the signal produced by a detonation pickup unit and indicating the occurrence of detonation, a rotary selector switch for rendering said test apparatus successively responsive to the detonation pickup units on said cylinders in an order determined from the engine cylinder firing order, said rotary switch having a rotary contact ele-



ment connected to said test apparatus and also having at least one cooperating stator contact element connected to each of said detonation pickup units, and coupling means interposed between said engine and said rotary contact element for driving said rotary element at a speed of rotation less than half the rotation speed of said crankshaft.

2,459,143
EMERGENCY CONTROL LOCK
John C. Beirise, Dayton, Ohio
Application November 26, 1945, Serial No. 630,965
2 Claims. (Cl. 244—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

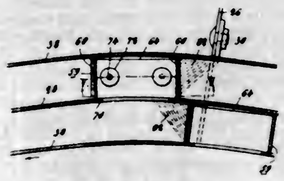


1. A control mechanism for aircraft of the type having a rudder, an elevator and ailerons, said mechanism comprising a pivotally mounted rudder control element, a pivotally mounted elevator control column, an aileron control wheel rotatably mounted on said control column, means including an axle mounted on said control column in parallel and horizontally offset relation with respect to the axis of said wheel for connecting said aileron control wheel to the aircraft ailerons, brake drums non-rotatably mounted with respect to each of said rudder control element, elevator control column and axle respectively, brake bands encircling said brake drums, hydraulic band actuating means connected to each of said brake bands and adapted to cause said bands to grip said drums on application of hydraulic pressure to the last-named means, and a single hydraulic pump connected to said hydraulic band actuating means for simultaneously locking the rudder, elevator and aileron controls of the aircraft at any desired setting thereof and thus maintain the aircraft on a predetermined flight course.

2,459,144
MANUFACTURE OF MALONIC ESTER
Charles F. Christie, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application May 19, 1947, Serial No. 749,092
3 Claims. (Cl. 260—485)

1. In the process of producing malonic ester by simultaneously hydrolyzing and esterifying sodium cyanoacetate, the step which comprises heating a mixture which comprises sodium cyanoacetate, sodium chloride, ethanol, sulfuric acid and benzene, the benzene being present in the amount of about 0.5 to about 1.5 mols per mol of sodium cyanoacetate.

2,459,145
MULTIPLE SEPARATOR CENTRIFUGE
Gustav Karl William Boestad, Lidingo, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, as trustees
Application September 29, 1944, Serial No. 556,457
In Sweden April 28, 1944
10 Claims. (Cl. 233—18)



1. Apparatus for separating solid particles from an impure gas comprising rotor structure providing a plurality of concentric radially spaced walls forming between them a plurality of radially nested annular passages, means for causing the gas to flow through the respective passages in helical paths for separation of the solid particles by centrifugal force and collection thereof on the inner surfaces of the outer walls of the respective passages, said walls having spaced apertures therein the aggregate area of which constitutes only a minor portion of the areas of the walls, means for causing adjacent walls to rotate at different angular speeds, and a plurality of scraper devices moving with the inner walls of the respective channels for causing removal of the solid material collected on the outer walls thereof through said apertures, said devices being formed to provide passages for receiving and conducting radially through the channel in which the device is located solid material removed from an inner channel.

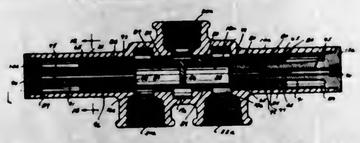
2,459,146
PURIFICATION OF GAMMA-PICOLINE
Robert S. Bowman, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 7, 1947, Serial No. 720,677
3 Claims. (Cl. 260—290)

1. The process of purifying 4-picoline which is contaminated with 3-picoline, comprising adding o-phenylphenol and a hydrocarbon solvent, cooling slowly to a temperature of about —10° C. to cause selective crystallization of the 4-picoline o-phenylphenolate, separating the solid o-phenylphenolate from the liquid, and fractionally distilling the respective o-phenylphenolates to regenerate the pyridine bases.

2,459,147
DISINTEGRATING CARTRIDGE BELT
Wilfrid M. Burgess, Cohoes, N. Y.
Application February 26, 1942, Serial No. 432,411
4 Claims. (Cl. 89—35)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. In a cartridge clip, a centrally disposed substantially flat body portion, a pair of oppositely bent ears on one longitudinal edge of said body portion for positioning the clip in a guideway, said ears being disposed at an angle with the plane of said body portion, a substantially rigid outwardly extending arcuate wing at each end of said body portion, a pair of spaced resilient arcuate fingers extending from said body portion between said wings, said wings and fingers having inner edges arranged to conform to and detachably engage cylindrical portions of a pair of spaced parallel cartridges, said body having a centrally located angularly bent portion whereby a coacting wing and finger and the adjoining part of said body are offset and parallel to the oppositely extending wing and finger.

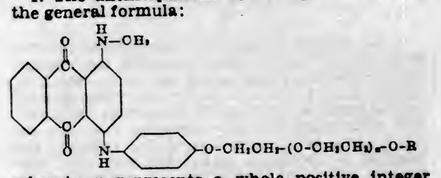
2,459,148
FLUID CONTROL APPARATUS
Niels A. Christensen, South Euclid, Ohio
Application September 20, 1944, Serial No. 554,949
3 Claims. (Cl. 137—139)



1. In a valve mechanism, the combination of a cylinder having a head at each end thereof and having a plurality of recesses arranged at spaced intervals therein, a hollow multiple piston slidably mounted in said cylinder, said piston having two cylinder-engaging portions disposed beyond the ends of the outermost recesses respectively and at least one cylinder-engaging portion disposed in the region between said recesses, said last-named portion having a width less than the width of either of the recesses, said portions having sealing means for automatically effecting a seal past the piston whenever said piston is disposed intermediate any two of said recesses, a tubular extension of smaller external diameter than the interior of the cylinder carried by one of the cylinder heads and extending into the interior of the piston, packing on the exterior of said extension coacting with the interior of the piston, and a vent from the annular space about the extension and between the piston and the head of the cylinder.

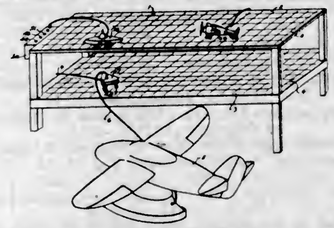
2,459,149
ANTHRAQUINONE COMPOUNDS
Harry W. Coover, Joseph B. Dickey, and Edmund B. Towne, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 1, 1945, Serial No. 597,162
2 Claims. (Cl. 260—380)

1. The anthraquinone dye compounds having the general formula:



wherein n represents a whole positive integer of from 1 to 2 and R represents an alkyl hydrocarbon group containing from 1 to 2 carbon atoms.

2,459,150
INTERCEPTION TRAINER
Carl J. Crane and George V. Holloman, Dayton, Carl W. Muller, Osborn, and Raymond K. Stout, Dayton, Ohio
Application February 26, 1940, Serial No. 320,880
6 Claims. (Cl. 35—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

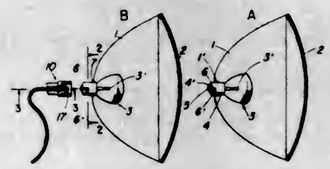


1. In an aviation ground training system, an aviation ground trainer for simulating aircraft flight, a pair of superimposed reference surfaces arranged in parallel spaced relation and at least one of said surfaces being formed of a transparent material, a course indicator associated with one of said surfaces and adapted to have a translatory movement relative thereto at a velocity proportional to an assumed velocity of said trainer and directionally controlled by said trainer, a target object simulating a land, air or water borne craft associated with the other of said surfaces and movable relative thereto at a velocity proportional to the supposed velocity of the craft to be represented and having a controlled directional heading, the said surfaces being arranged such that the instant course of said target object relative to the instant course of said course indicator is at all times apparent by visual observation through said transparent surface.

bullet-receiving port in its front side approxi-

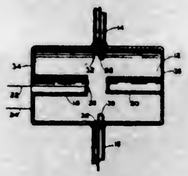
in parallel and horizontally offset relation with respect to the axis of said wheel for connecting said aileron control wheel to the aircraft ailerons, radially through the channel in which the device is located solid material removed from an inner channel.

2,459,151
SEALED LIGHTING UNIT AND ELECTRIC INCANDESCENT LAMP THEREFOR
Lorin W. Curtis, Verona, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application September 28, 1945, Serial No. 619,046
4 Claims. (Cl. 176—34)



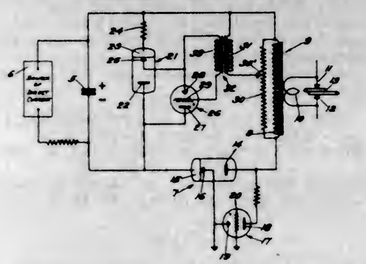
1. An incandescent lamp for a sealed lighting unit comprising a reflector having an opening therein for the reception of the lamp, said lamp having a base which is freely insertable through said opening and is sealable therein in fixed position with respect to the reflector with the end of the base projecting beyond the reflector and adapted to receive a socket-like electrical connector, said base having a fixed contact on the end thereof for supplying electrical energy to the filament of the lamp when the connector is attached and comprising a shell which contains in its outer end and adjacent said fixed contact an insulating filler material and said shell having on its outer surface an inwardly formed groove anchoring said insulating means against relative movement in the shell and adapted to accommodate an attaching and holding device carried by said socket connector, said groove beginning at the end of the base shell and extending generally longitudinally of the base and leading to a circumferentially spaced attaching and locking groove part.

2,459,152
ELECTRONIC VALVE
Delbert A. Deisinger, Long Branch, and Robert A. Kirkman, Elberon, N. J.
Application June 19, 1943, Serial No. 491,472
4 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



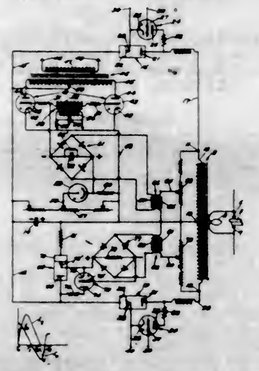
1. An electronic valve for high frequency energy comprising a cavity resonator having input and output circuit coupling means therein, a pair of spaced electrodes in said resonator, said resonator being sealed and filled with an ionizable gas, said resonator being resonant to said energy and the valve being conductive between said circuits when said gas is not ionized, an auxiliary electrode insulatedly secured on the internal exposed surface of one of said electrodes, and means connected to said auxiliary electrode to apply an external control voltage to said auxiliary electrode to ionize the gas and break down the gap between the electrodes, thereby detuning the resonator and making the valve non-conductive between the input and output circuits.

2,459,153
WELDING SYSTEM
John H. England, Wellesley Hills, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 28, 1945, Serial No. 596,119
7 Claims. (Cl. 219—4)



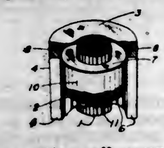
1. A welding system comprising a condenser, a welding load circuit, means for discharging said condenser through said welding load circuit in a unidirectional pulse of current during which said condenser is charged in an inverse direction, a shunt circuit across said condenser, and means responsive to the termination of said pulse of current for closing said shunt circuit to reverse the polarity of the inverse charge on said condenser thereby partially recharging the same in the original polarity.

2,459,154
WELDING SYSTEM
John H. England, Wellesley Hills, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 28, 1945, Serial No. 596,120
13 Claims. (Cl. 219—4)



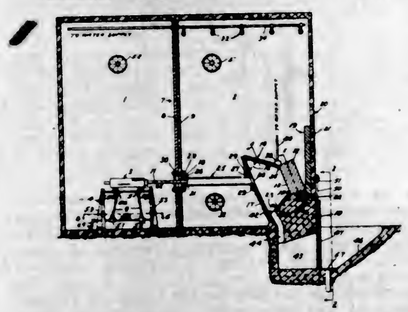
1. A welding system comprising a storage condenser, means including a rectifier tube for charging said storage condenser, a control electrode in said rectifier tube, a welding load circuit, means for discharging said condenser through said welding load circuit in a unidirectional pulse of current during which said storage condenser is charged in an inverse direction, means responsive to the flow of current through said welding load circuit for supplying a blocking potential to said control electrode of said rectifier tube, a shunt circuit across said condenser, means responsive to the termination of said pulse of current for closing said shunt circuit to reverse the polarity of the inverse charge on said condenser thereby partially recharging the same in the original polarity, and a control condenser adapted to be charged in response to said pulse of current to maintain said blocking potential on said control electrode for a predetermined time after the termination of said pulse of current.

2,459,155
PRESSURE CELL
Albert L. Erickson and James C. Kyle, Palo Alto, Calif.
Application September 19, 1945, Serial No. 617,418
1 Claim. (Cl. 171—242)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



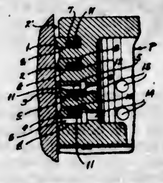
A pressure sensitive cell comprising a hollow, elongated magnetic casing open at one end, a very thin magnetic diaphragm closing said end and arranged flush therewith so that its outer surface is free and unconfined in space, an elongated magnetic core arranged axially of said casing with one end in proximity to said diaphragm to form an air gap therebetween, and a coil surrounding said core to substantially fill the space between the latter and the casing wall, said coil being spaced inwardly from said diaphragm and designed for external electrical connection.

2,459,156
GUN TEST RANGE
Ralph M. Ferguson, Dayton, Ohio
Application February 6, 1945, Serial No. 576,437
4 Claims. (Cl. 273—102.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



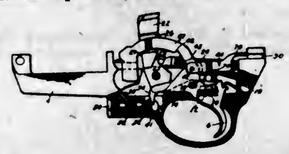
1. In a testing range for testing rate of fire and serviceability of gun actions, a gun support to hold a gun in a desired firing position, a bullet-proof bullet-receiving chamber having a bullet-receiving port in its front side approximately concentric with the axis of the bore of a gun in the support, a bullet deflecting body having a mass greatly in excess of that of the bullet so that a large part of the kinetic energy of the moving bullet may be readily absorbed by the bullet deflecting body, said mass being effective at a central point of impact on the body, said body having a forward face inclined to the said axis, said chamber having side walls united with said deflecting body and divergent forwardly, said chamber having also an eccentrically ported forward wall united with the side walls to form a closed chamber, a line central in said chamber normal to said face of the deflecting body being approximately coincident with said bore axis at said surface, said chamber having an effluent port for collected bullets, and means to cool the face of the deflecting body.

2,459,157
PISTON PACKING RING
Frank D. Frisby, St. Louis, Mo., assignor to Frisby Corporation, St. Louis, Mo., a corporation of Missouri
Application June 22, 1946, Serial No. 678,534
4 Claims. (Cl. 309—44)



4. In combination with a piston having a piston ring groove, an annular channel in the bottom of said groove, a piston packing ring comprising an annular split cylinder contacting element having no substantial inherent tension, and a helical spring element disposed within the circumferential margin of the cylinder contacting element and exerting radial pressure against all points in its circumference, said spring element being disposed within the ring groove channel.

2,459,158
HAMMER RETARDER FOR AUTOMATIC FIREARMS
John C. Garand, Springfield, Mass.
Application September 11, 1946, Serial No. 696,230
5 Claims. (Cl. 42—69)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

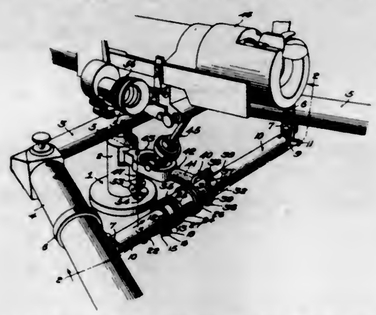


1. In an automatic firearm having a spring pressed hammer movable between a cocked and a firing position, a sear engageable with said hammer to retain said hammer in the cocked position, trigger means for moving said sear to a non-engaging position relative to said hammer, an inertia member movably mounted on the firearm and disposed in the path of said hammer as said hammer moves to its fired position, and cam

seal past the piston whenever said piston is disposed intermediate any two of said recesses, a through said transparent surface.

means on said hammer engageable with said inertia member to move it out of the path of said hammer whereby the firing movement of said hammer is delayed.

2,459,159
MECHANISM FOR TRAVERSING ARTILLERY PIECES
Nathan S. Glassman, Washington, D. C.
Application May 6, 1947, Serial No. 746,283
2 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

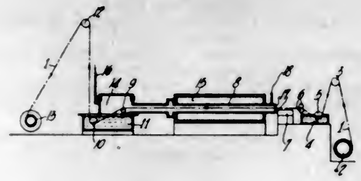


1. In a traversing mechanism for a gun mount having a rotatable gun carriage and a pair of adjustable trails, the combination of a traverse arm having one end mounted on the carriage and having a tubular portion at its other end; a traverse bar removably mounted on and connecting the trails; a sleeve slidable axially of said traverse bar; an adjustable clamp on said sleeve for fixing said sleeve on and releasing said sleeve from said bar, to prevent and permit movement of said sleeve axially of said bar; a second sleeve on said bar, and being interiorly threaded; a coupling for connecting said two sleeves, said second sleeve being rotatable in said coupling about said bar, immovable axially relative to said first sleeve, and movable with said first sleeve axially of said bar; a third sleeve slidable axially of said bar and having an exteriorly threaded portion received in said second sleeve, the threads of said second and third sleeves being meshed; and a yoke having its ends pivotally mounted on said third sleeve, and provided with a shank slidable in the tubular portion of said traverse bar.

2,459,160
TRAP
Durward B. Hampton, Sebastopol, Calif.
Application March 11, 1946, Serial No. 653,617
15 Claims. (Cl. 43—91)

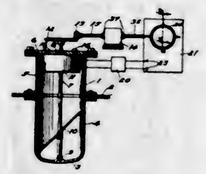
1. A trap of the character described comprising a base, a pair of jaws pivoted at one end of said base and swingable outwardly from the sides of the base to leave an unobstructed passage therebetween over said base, resilient means to swing said jaws together into trapping position, means of connection between said resilient means and said jaws exerting a force upon said jaws at dead center with respect to the pivots of said jaws when said jaws are swung apart, and tripping means on said base for tripping said jaws and said resilient means out of said dead center position.

2,459,161
METAL COATING
Arch W. Harris, Cleveland, Ohio, and Alfred H. Ward, Pittsburgh, Pa., assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey and Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application January 13, 1945, Serial No. 572,728
3 Claims. (Cl. 117—51)



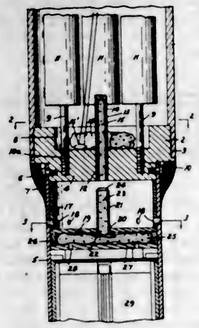
1. A ferrous metal coating method comprising wetting the ferrous metal with a water solution of ammonium chloride, drying the metal so it retains a coating of ammonium chloride, heating the metal to temperatures ranging from 660° F. to higher temperatures insufficient to melt the ferrous metal in an atmosphere containing sufficient hydrogen to make it reducing respecting the formation of iron compounds by the ammonium chloride, and subsequently coating the ferrous metal with molten metal selected from the group consisting of zinc, tin, aluminum and their alloys.

2,459,162
ACOUSTICAL SOUND LOCATING DEVICE
Harvey C. Hayes, Washington, D. C.
Application November 16, 1940, Serial No. 365,922
10 Claims. (Cl. 181—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An apparatus for determining the direction of an emitted compressional wave comprising in combination a stationary housing pervious to compressional wave energy, a receiver of compressional wave energy, a reflector disposed within said housing and rotatable therein independently of the housing for reflecting at least a part of any intercepted compressional wave energy in the direction of said receiver for incidence thereupon, and visual means controllable by said receiver and reflector for indicating the direction of the compressional wave.

2,459,163
THERMAL IGNITER
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application June 1, 1944, Serial No. 538,314
5 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



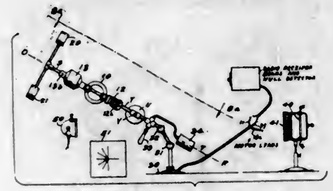
2. In a rocket projectile, a motor chamber arranged to contain a propellant charge, a load chamber arranged to receive combustible load, a wall separating said chambers, an igniting charge for said combustible load, and thermal delay means mounted in said wall arranged to conduct heat from said motor chamber to said igniting charge to ignite said igniting charge said delay means comprising a hollow tubular member having a helical reinforcing and heat transmitting fin on the surface thereof.

2,459,164
WEBBABLE, STRIPPABLE COATING COMPOSITION
William Henry Holst, United States Navy, and George Russell Hersam, Takoma Park, Md.
No Drawing. Application September 23, 1944, Serial No. 555,568
11 Claims. (Cl. 260—32.8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A webbable, strippable coating composition comprising as film-forming materials vinyl chloride-vinyl acetate copolymer having a vinyl chloride content ranging from 85 to 95 percent and from 4.7 to not more than 16.6 percent on the non-volatile components of vinylidene chloride-acrylo nitrile copolymer, said two film-forming materials ranging from 30 to 80 percent of the non-volatile components, the balance of the non-volatile components including plasticizer, said components being dissolved in a volatile solvent to give a solution of sprayable viscosity.

2,459,165
METHOD AND APPARATUS FOR DETERMINING THE THREE-DIMENSIONAL DIRECTION OF APPROACH OF AN ELECTROMAGNETIC WAVE FRONT
Joseph Y. Houghton, Chevy Chase, Md.
Application November 11, 1944, Serial No. 563,044
16 Claims. (Cl. 343—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of determining the angle of incidence of a radiant energy wave front which consists in manipulating a directional antenna in three dimensions to establish, by the determinative alignment of its principal axis therewith, the three-dimensional direction of the resultant or total flux lines of the wave front, aligning a reference axis therewith, and thereafter establishing by manipulating a phase-discriminating system



about the so-aligned reference axis as a center, the position of another line of the group comprising lines lying in the plane tangent to the wave front and lines normal to such plane, whereby the position of the tangent plane and the azimuthal and vertical angles of incidence of the wave front are determined.

2,459,166
MAIN FEED PUMP RECIRCULATING LINE EROSION CONTROL DEVICE
Leighton E. Hughes, United States Navy
Application December 20, 1944, Serial No. 569,074
3 Claims. (Cl. 138—37)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a conduit in which there is an orifice through which passes a jet of fluid under high pressure, means for dissipating the energy of the jet, comprising a member having a substantially spherical recess therein opened toward and symmetrically disposed with respect to the axis of the jet, the reentrant walls of which extend through an arc of substantially more than 180° to reverse the flow of fluid to cause it to intersect the oncoming jet in a substantially opposite direction, thereby to retard its flow.

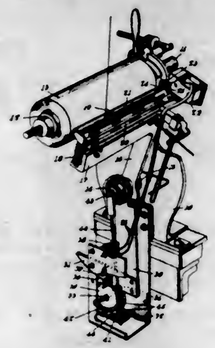
2,459,167

2,459,168

means for toasting a bread slice in the toasting

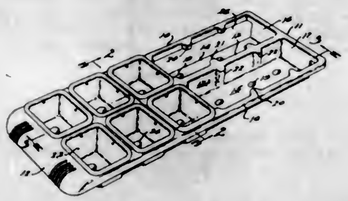
2,459,173
DEFROSTING MEANS FOR REFRIGERATION

2,459,167
WINDING MACHINE
Charles D. Jencks, Bristol, R. I., and Robert H. Lawson, Lakeport, N. H., assignors to Walter Kidde & Company, Inc., Belleville, N. J., a corporation of New Jersey
Continuation of application Serial No. 552,098, August 31, 1944. This application May 13, 1946, Serial No. 669,294. In Great Britain February 15, 1946
20 Claims. (Cl. 242—45)



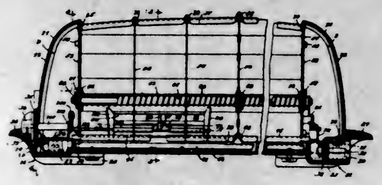
1. In a winding machine having a rotatable package support and a thread guide mounted for relative longitudinal and transverse movements; a back carrying said guide and being mounted to move freely by gravity away from said package, a package feeler mounted adjacent to the surface of the package being wound on the support, means for locking the back against movement, and means operated by said feeler for intermittently releasing the locking means.

2,459,168
ICE TRAY
Douglas L. Jocelyn, Detroit, Mich.
Application October 25, 1945, Serial No. 624,496
11 Claims. (Cl. 62—108.5)



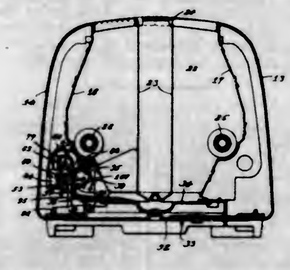
11. A liquid freezing device, comprising a generally rectangular frame having frame members extending around the four sides thereof and also having a bottom formed integrally with an upstanding rib extending centrally of the bottom the major length thereof, a number of separate individual liquid freezing receptacles adapted to rest on said bottom at opposite sides of the rib, and a plurality of spaced projections integral with the frame bottom and extending into recesses in the bottoms of the receptacles for positioning receptacles and restraining them against displacement.

2,459,169
RADIATION THERMOSTAT CONTROL FOR TOASTERS
Ludvik J. Koci, Chicago, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application January 9, 1946, Serial No. 639,934
20 Claims. (Cl. 99—331)



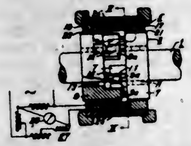
1. In a bread toaster or the like, in combination, heating means, means for holding a bread slice in toasting relation to said heating means, and control means for causing heat to be applied from said heating means to said slice for a toasting interval including radiation-sensitive means responsive in a control function to only that radiant energy emitted from the surface of the bread slice by virtue of the temperature of said surface while it is being toasted, means operated by said response to terminate the application of said heat when said radiation emission from the surface of the bread slice has increased to a predetermined value, said radiation-sensitive means comprising a relatively thin bimetallic strip, and means supporting the strip at its opposite ends with such ends restrained against angular and translational movement, shielding means providing an enclosure about the strip except for an opening which exposes to the described radiation emission the mid-portion of the strip and shields from said radiation emission the end portions of the strip, whereby said mid-portion of the strip is primarily responsive to the described radiation emission and the end portions of the strip are responsive to the ambient temperature and to the temperature of said end supporting means in a secondary or compensating action opposite from that of said primary response.

2,459,170
TOASTER CONTROL MECHANISM
Ludvik J. Koci, Chicago, Ill., assignor to Sunbeam Corporation, Chicago, Ill., a corporation of Illinois
Application March 28, 1942, Serial No. 436,649
33 Claims. (Cl. 99—331)



1. The combination in a control mechanism for toasters having a toasting oven and heating means for toasting a bread slice in the toasting oven, of a snap acting thermostat arranged to snap from a first position to a second position when heated in order to terminate a toasting interval, means for applying an external pressure on said thermostat, and means responsive to the insertion of a slice of bread into the toaster for rendering said last mentioned means effective to apply said external pressure on said thermostat to move said thermostat to said first position thereby resetting said thermostat for a subsequent toasting interval.

2,459,171
TORQUE MEASURING DEVICE FOR SHAFTS
Bernard F. Langer, Pittsburgh, and Frank W. Godsey, Jr., Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1942, Serial No. 458,378
21 Claims. (Cl. 73—136)

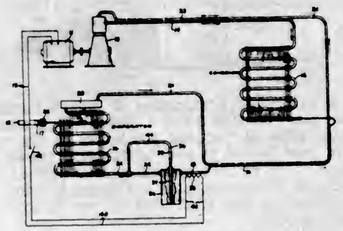


1. Apparatus for continuously measuring the torque of a shaft comprising, in combination, a rotor assembly having elements therein relatively displaceable upon circumferential distortion of said shaft due to torque, a stationary member, coil means secured to said stationary member, a source of alternating current for energizing said coil means, said coil means being adapted to induce a flow of alternating magnetic flux in said stationary member and said rotor assembly upon energization thereof, said elements in said rotor assembly being adapted to change the value of said alternating magnetic flux upon relative displacement thereof thereby changing the value of a voltage in said coil means, and means for measuring the voltage whereby the torque of said shaft is indicated.

2,459,172
BEARING
Henry W. Luetkemeyer, Euclid, and Ralph A. Schaefer, Cleveland, Ohio, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1947, Serial No. 751,574
9 Claims. (Cl. 308—237)

1. A composite bearing consisting of a steel backing layer, an intermediate layer of a high conductivity metal, a relatively thin barrier layer of a metal resistant to tin diffusion and a surface layer of a tin containing bearing alloy metal, said layers being uniformly bonded to each other all over their engaging surfaces.

2,459,173
DEFROSTING MEANS FOR REFRIGERATION APPARATUS
Graham S. McCloy, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1946, Serial No. 645,612
12 Claims. (Cl. 62—3)



1. In refrigerating apparatus, the combination of a compressor, a condenser, a vessel adapted for accumulating and holding refrigerant liquid in an inactive state during the normal operation of said apparatus, an evaporator, a first conduit connecting said compressor with said condenser, a second conduit connecting said condenser with said vessel, a third conduit connecting said vessel with said evaporator, a fourth conduit connecting said evaporator with said compressor, at least a portion of said fourth conduit being in heat exchange relationship with the refrigerant vapor compressed by said compressor, said apparatus being arranged to produce refrigeration by means of said evaporator and heat dissipation by means of said condenser during normal operation, and actuating means for producing abnormal operation of said apparatus to defrost said evaporator, said means being adapted to discharge the refrigerant liquid from said vessel through said third conduit, said vessel, when being discharged supplying sufficient refrigerant liquid to flood both said evaporator and said portion of the fourth conduit.

2,459,174
PROBE
Joseph L. McFarland, Royal Oak, and Marguerite P. Van Camp, Detroit, Mich.
Application March 1, 1945, Serial No. 580,454
3 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

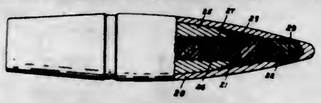
1. A sensitive element for a probe comprising a stub of dielectric material having the shape of a cylinder, provided at one end with a shallow conical surface, an anchoring means at the apex of said conical surface, a probe wire folded in half so as to form two parallel branches wound into a coil so as to form a double spiral layer covering the conical surface of said stub and a single helical layer covering its cylindrical surface, the fold of said wire being anchored by the anchoring means.

2,459,175
which the reed vibrates, an input circuit for said

periphery of a sole on the work table, a feed

at the feeding end of said digester, a sieve in said

2,459,175
EXPLOSIVE BULLET
Wiley T. Moore, United States Army, Laverne, Okla., assignor to the United States of America as represented by the Secretary of War
Application August 26, 1941, Serial No. 408,333
3 Claims. (Cl. 102—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

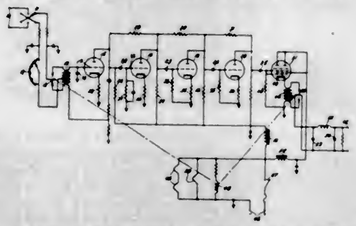


1. A projectile comprising a jacket having a hollow nose portion with a closed front end, an annular zone of reduced thickness in the inner wall of said jacket in rear of the said closed end, a hollow core in said jacket in rear of said zone of reduced thickness, and a charge in said core and extending into said zone of the hollow nose of said jacket.

2,459,176
PROCESS OF PREPARING OIL ACID MODIFIED ALKYD MATERIAL
Charles G. Moore, River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 8, 1945, Serial No. 598,406
6 Claims. (Cl. 260—22)

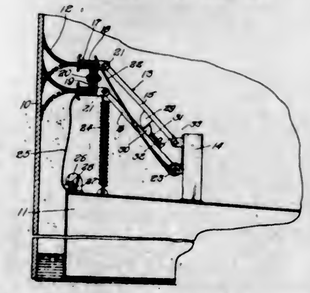
1. The process which consists essentially in intimately mixing together substantially equimolecular proportions of mono-glyceride, said mono-glyceride being one prepared by esterification of glycerin with equimolecular proportions of fatty acid selected from the class consisting of drying oil and semi-drying oil fatty acids to an acid number of not over 20, and maleic anhydride at a temperature below that at which any substantial reaction takes place, then quickly heating the mixture to 450° F., heating at this temperature until the reaction product has an acid number less than 80, then quickly cooling the reaction product to a temperature below that at which further polymerization takes place.

2,459,177
DIRECT-CURRENT AMPLIFIER
Francis L. Moseley, Osborn, and Lloyd J. Perper, Dayton, Ohio
Application March 5, 1945, Serial No. 581,018
2 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An amplifier system for amplifying low level direct current voltages to high level direct current voltages, comprising a multi-stage alternating current tube amplifier and biased to operate as a class A amplifier, a vibrator having a vibrating reed with a pair of spaced contacts between which the reed vibrates, an input circuit for said amplifier having a transformer whose primary winding is connected across said vibrator contacts, the reed of the vibrator being connected in series between the direct current source to be amplified, and the electric midpoint of said primary winding, whereby zero alternating current voltage appears in the output of the amplifier when zero direct current voltage is at said input, another vibrator having a vibrating reed and a pair of spaced contacts between which the reed vibrates, means coupling said other vibrator to the output of said amplifier for full wave rectification, the vibratory armature of the first-mentioned vibrator being conductively isolated from direct current ground in the absence of direct current input voltages, and the input terminals of the system and the output terminals of the system being effectively isolated from each other with respect to the passage of direct current.

2,459,178
SEAL FOR FLOATING ROOFS
Frederick D. Moyer, Chicago, Ill., assignor to Chicago Bridge & Iron Company
Application October 20, 1945, Serial No. 623,515
10 Claims. (Cl. 220—26)

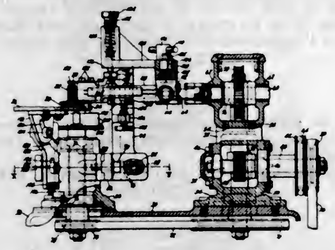


1. A storage tank comprising an outer shell, a floating roof, a plurality of circumferentially arranged pivotally mounted upstanding arms around the edge of the roof and extending toward the shell of the tank, an annular flexible sealing member carried on the outer ends of said arms, each of said arms comprising a pair of substantially parallel bars of substantially equal length mounted one above the other with their inner ends mounted on a substantially vertical post member attached to the roof and with the outer ends of said bars connected by a substantially vertical base member pivotally connected thereto and carrying the sealing member, means operating at the outer ends of said bars normally urging them down toward the roof to press the seal against the inner surface of the shell, and adjustable stop means for limiting the movement of said bars whereby pressure of the seal against the shell is limited.

2,459,179
MACHINE FOR OPERATING UPON SHOE SOLES
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 23, 1946, Serial No. 671,862
8 Claims. (Cl. 12—77)

5. A machine for operating on shoe soles comprising a work table, a tool operable upon the

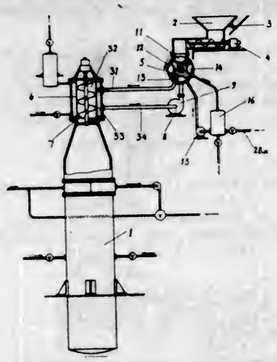
periphery of a sole on the work table, a feed wheel engageable with the upper face of the sole on the work table for advancing the sole and also pressing the periphery of the sole against said tool, a carrier for said feed wheel mounted for rising and falling movement of the feed wheel in accordance with local variations in the thickness of the sole, a pair of compression springs constructed and arranged to bear downwardly upon the feed wheel carrier to press the feed wheel down against the sole, means for limiting the downward expansion of each of said springs, said limiting means being adjustable independently for each spring, thereby enabling the limiting means to be so adjusted as to permit one spring to follow the feed wheel carrier throughout its full range of rising and falling movement and to permit the other spring to follow the feed wheel carrier throughout only the upper portion of the range of rising and falling movement of the feed wheel carrier, and a stop engageable with the feed wheel carrier to limit extreme downward movement of the feed wheel carrier and thereby to prevent contact of the feed wheel with the work table in the absence of a sole.



6. In a machine for operating on shoe soles comprising a tool operable upon the periphery of a sole, a frame, a driving member supported by said frame, driving connections from said driving member to said tool, a work feeding device constructed and arranged to advance a sole and also to hold the periphery of the sole against said tool, and a common support for said tool and said work feeding device, said common support being mounted on said frame with provision for adjustment toward and from said driving member to accommodate driving connections of greater or less speed ratio, the work feeding device and the tool being maintained in predetermined relation, notwithstanding such adjustment, by reason of their being carried by said common support.

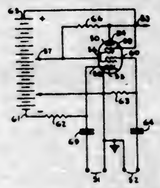
2,459,180
APPARATUS FOR CHARGING FIBROUS MATERIAL INTO A DIGESTER
Johan Christoffer Fredrik Carl Richter, Oslo, Norway, assignor to Aktiebolaget Kamyr, Karlstad, Sweden, a company of Sweden
Original application December 4, 1943, Serial No. 512,978. Divided and this application July 30, 1945, Serial No. 607,694. In Norway October 15, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires October 15, 1962
8 Claims. (Cl. 214—17)

6. In an apparatus for charging a fibrous material into the liquid-filled space of a digester under pressure, the combination of a sieve housing at the feeding end of said digester, a sieve in said sieve housing enclosing a space at the feeding end of said digester and separating said space from the interior of said sieve housing, a feeding screw in said sieve-enclosed space, a sluicing device for the fibrous material, at least two conduits connecting said sluicing device with opposite sides of



said sieve in said sieve housing and forming a closed liquid-filled circulation system through said sluicing device and said sieve housing, and a pump connected to one of said conduits so as to effect circulation of liquid from said sluicing device to said sieve-enclosed space and through said sieve into said sieve housing and from the latter back to said sluicing device.

2,459,181
GATE SUPPRESSING LINEAR RESPONSE AMPLIFIER
Milton W. Rosen and Conrad H. Hoeppner, Washington, D. C.
Application July 14, 1945, Serial No. 605,169
8 Claims. (Cl. 315—26)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In combination; a vacuum tube arranged so as to contain a reversal point in its transconductance characteristic, said reversal point being bounded by a negative transconductance region on one side thereof and a positive transconductance region on the other side thereof whereby two points of effective plate current cutoff are established, one of said points being situated in a linear portion of the positive region of said transconductance characteristic, and means biasing said tube to operate at said one of said points whereby linear operating characteristics of said tube are obtainable.

2,459,182
GRENADE MORTAR AND ADAPTER

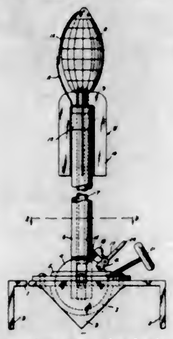
containing a quenching liquid, a link pivoted on said support and having a portion spaced from

tions to prevent a permanent change in grid bias while permitting a varying circuit voltage to pass to the grid, connections between the inner elec-

combination which comprises a vacuum tube including an anode, an output circuit associated with said vacuum tube for supplying to said de-

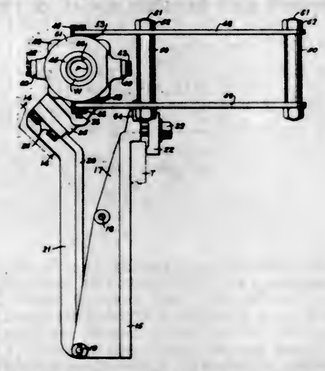
2,459,182
GRENADE MORTAR AND ADAPTER
Josiah Ross, Sunnyside, Long Island, N. Y.
Application September 27, 1945, Serial No. 618,997
4 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A grenade mortar comprising a launching barrel adapted to engage a self-ejecting car-



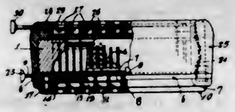
tridge, a mount therefor including a support member on said mount for elevating and depressing said barrel and to permit traversing thereof, a brake element carried by said support and operatively associated with said elevating and depressing means and said traversing means, means for exploding said cartridge, and means carried on the outside of said barrel to engage the arming member of a grenade positioned in said barrel for launching whereby said grenade is held in unarmed condition until launched.

2,459,183
FIXTURE FOR HARDENING DIES
Frank F. Roth, Jr., Philadelphia, Pa.
Application October 1, 1946, Serial No. 700,539
1 Claim. (Cl. 134—105)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



For heat treating and hardening perforated metal parts such as dies and similar articles by dipping them in a quenching liquid and by flowing the quenching liquid through the perforations in the metal parts, a fixture including, a support mounting the fixture adjacent a tank containing a quenching liquid, a link pivoted on said support and having a portion spaced from said pivot and rotatable about said pivot so as to be dipped into or be lifted out of the quenching liquid, a first body mounted on said rotatable portion of said link and having a perforated part for engagement with one end of the die so that the perforations in the die and said first body communicate, a movable body slidable on said first body and having a perforated part for engagement with the other end of the die so that the perforations in the die and in the movable body communicate when the part to be quenched and hardened is secured between the confronting portions of said bodies, means including a hose connected to one of said bodies for use in conveying the quenching liquid through the perforations in that body, through the perforations in the part being heat treated and out through the perforations in the other of said bodies, a spring stressing said movable body toward the confronting portion of said first body, a handle pivotally mounted so as to move said link about its pivot for dipping the part carried between said bodies into the quenching and hardening liquid, and a cam located between said handle and said movable body and arranged upon another movement of said handle to compress or release said spring so as to clamp or unclamp said part between the confronting portion of said bodies.

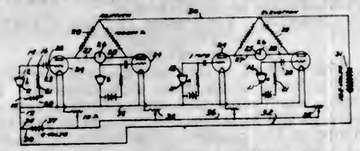
2,459,184
HARMONICA
Gabriel Ruffino, Los Angeles, Calif., assignor of one-half to Alfredo Magallon, Los Angeles, Calif.
Application January 16, 1945, Serial No. 573,053
8 Claims. (Cl. 84—377)



5. A harmonica comprising: means defining a plurality of mouth openings and at least a pair of air passages common to each mouth opening and arranged in upper and lower rows; an oscillatable gang valve including a shaft extending across said passages between said rows thereof and individual vane elements secured to said shaft and tiltable to close off the upper or lower row of passages by engagement with the upper or lower sides of said mouth openings; and reeds mounted in said air passages.

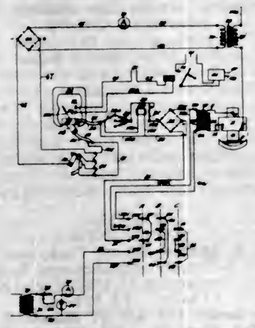
2,459,185
RADIANT ENERGY DETECTOR
William Sackville, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War
Application June 23, 1938, Serial No. 215,509
6 Claims. (Cl. 250—83.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The combination with a radiant energy detector including a container, an insulated support in the container, a plurality of oppositely paired spaced segments of material sensitive to radiant energy annularly arranged on the support, electrodes on the inner and outer marginal portions of the segments, and lead wires for the electrodes; of a pair of triodes for each pair of oppositely spaced segments, electrical connections between the outer electrodes of the segments and grids on the triodes, means interposed in said connections to prevent a permanent change in grid bias while permitting a varying circuit voltage to pass to the grid, connections between the inner electrodes of the segments and the filaments of the triodes, a source of direct current electrical sup-



ply connected to the grid and filament connections, an indicator connected across the plates of each pair of tubes, means for supplying current to the filaments and means for supplying current to the plates.

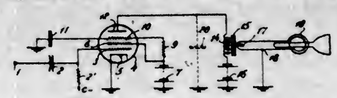
2,459,186
TESTING AND PROTECTION OF ELECTRICAL DISTRIBUTION SYSTEMS
Raphael Scheirmann, Warren, Ohio, now by change of name Ralph Sherman
Application July 19, 1943, Serial No. 495,311
10 Claims. (Cl. 175—294)



1. A protective arrangement for rendering perceptible predetermined degrees of changes of contact conditions in an electrical system having a circuit traversed by load current including a pair of conductors in contact, said protective arrangement comprising in combination with such contact and connections for connecting said contact to a useful load and for causing passage of load current through such contact, a device responsive to ratio of voltage to current having a movable element, a translating device actuated by movement of said movable element, said ratio responsive device including a voltage winding and a current winding, connections bridging the voltage winding across said contact and adapted to be connected permanently, and connections having a serial relation to said contact for energizing the current winding in proportion to the current traversing said circuit and adapted to be permanently connected.

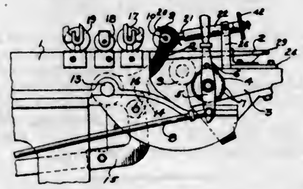
2,459,187
DEFLECTION CIRCUIT FOR CATHODE-RAY TUBES
Kurt Schlesinger, New York, N. Y., assignor to Columbia Broadcasting System, Inc., New York, N. Y., a corporation of New York
Application October 1, 1946, Serial No. 700,495
28 Claims. (Cl. 315—27)

1. In a deflection circuit for a cathode-ray tube having electromagnetic deflecting means, the combination which comprises a vacuum tube including an anode, an output circuit associated with said vacuum tube for supplying to said deflecting means deflection currents having sweep



periods alternating with relatively shorter retrace periods, and means for effecting the flow of emission currents from said anode during a portion of said sweep periods to damp out transient oscillations in said output circuit.

2,459,188
DUCTOR ROLLER CONTROL FOR PRINTING PRESSES
George H. Schultz, Elmsford, N. Y.
Application June 12, 1945, Serial No. 598,962
3 Claims. (Cl. 101—344)



1. An adjustable braking attachment adapted to be applied to a printing press having an ink fountain and a fountain roller, a reciprocating ink distributor table, a ductor roller, and means for oscillating said ductor roller for ink conveying engagement with said table and said fountain roller, comprising a bracket, an elongated member pivoted at one end to said bracket and having a longitudinal bearing at the pivoted end and a larger diameter bearing aligned with said first bearing at the other end, a rod adapted to fit slidably within said first bearing and having a larger diameter portion at one end adapted to fit slidably within the larger diameter bearing of said member and forming a shoulder between the portions of a different diameter, a U-shaped brake shoe adapted to fit over the shaft of said ductor roller attached to the larger diameter end of said rod with the axis of curvature of the braking surface substantially at right angles to said rod, a coil spring surrounding said rod and having one end against said shoulder and the other end against said smaller diameter bearing of said member, and a wheel threaded on the end of said rod and adapted to engage the other side of said bearing, whereby the sliding movement of said rod under the action of said spring is limited by the position of said wheel on said rod which position may be adjusted by rotating said wheel.

2,459,189
DUCTOR ROLLER CONTROL FOR PRINTING PRESSES
George H. Schultz, Elmsford, N. Y.
Application March 25, 1946, Serial No. 656,915
7 Claims. (Cl. 101—348)

1. An attachment for a printing press having a frame and a ductor roller, arranged to swing about an axis parallel to the shaft of said roller, comprising a brake shoe adapted to engage the shaft of said ductor roller, a base for said attach-

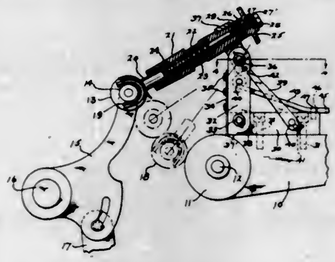
ment adapted to be secured to said frame, upright means pivotally mounted on said base, support means for said brake shoe pivotally mounted

2,459,191
SEPARATION OF PYRIDINE BASES
Kenneth H. Slagle, Mount Lebanon, and Robert

2,459,194
SUCTION CLEANER DUST CHAMBER HAVING

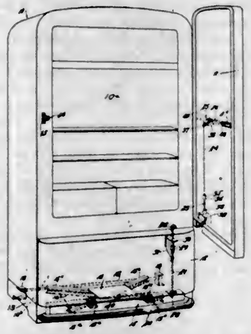
members; a cathode supported in said envelope in spaced relationship with respect to said anode members; magnet pole pieces extending into said

ment adapted to be secured to said frame, upright means pivotally mounted on said base, support means for said brake shoe pivotally mounted on said upright means, said base arranged to be mounted on said frame in such a position that the pivot of said brake shoe support means lies on a line perpendicular to said axis and within the arc of movement of said ductor roller, means asso-



ciated with said support means to cause said brake shoe to contact said ductor roller shaft for a portion only of its swing, and releasable means holding said upright means in fixed operating position with respect to said base and permitting the swinging thereof about the pivot on said base when said means is released to move said brake shoe clear of said ductor roller shaft.

2,459,190
REFRIGERATOR LATCH
Arthur C. Shuart, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 14, 1945, Serial No. 582,732
10 Claims. (Cl. 292—255)



1. Latch mechanism for a hinged door of a cabinet including a latch bolt secured to said door, a treadle mounted on said cabinet and having a tread traversing substantially the entire front of said cabinet below said door, means operatively connecting said treadle to said latch bolt, said means including a vertical element operatively connected to said treadle and passing upwardly through said door on the hinged side thereof, and a horizontal element connected at one end to said vertical element and at its opposite end to said latch bolt.

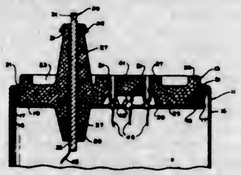
2,459,191
SEPARATION OF PYRIDINE BASES
Kenneth H. Slagle, Mount Lebanon, and Robert S. Bowman, Pittsburgh, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 7, 1947, Serial No. 720,674
5 Claims. (Cl. 260—290)

1. The method of separating a mixture of the pyridine bases 3-picoline, 4-picoline and 2,6-lutidine, which comprises adding benzoic acid and toluene to the mixture, cooling slowly to a temperature in the range −7° to −10° C., whereby the 2,6-lutidine benzoate is caused to crystallize, separating these crystals from the liquid, cooling this liquid to a temperature of about −20° C., whereby the 4-picoline benzoate is caused to crystallize, separating these crystals from the liquid, and regenerating the pyridine bases from their respective benzoates.

2,459,192
CONCENTRATION OF BETA-PICOLINE
Kenneth H. Slagle, Mount Lebanon, and Robert S. Bowman, Pittsburgh, Pa., assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 7, 1947, Serial No. 720,676
5 Claims. (Cl. 260—290)

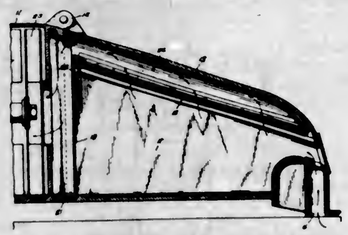
1. The process of treating a liquid mixture of 3-picoline and at least one of the other pyridine bases 4-picoline and 2,6-lutidine which comprises adding salicylic acid, cooling the mixture to a temperature low enough to cause crystallization of the salicylates other than 3-picoline but to retain 3-picoline salicylate as a liquid, separating the solid salicylates from the liquid, and recovering the pyridine bases from their salicylates.

2,459,193
CONTAINER
George R. Sparks, Asbury Park, and Carroll G. Killen, Jr., Wanamassa, N. J.
Application September 13, 1944, Serial No. 553,858
1 Claim. (Cl. 174—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



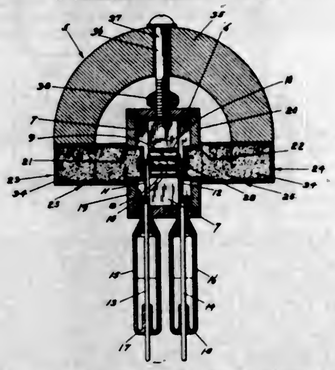
A container for an apparatus comprising a metal box open substantially throughout one entire side, the peripheral edges of the box about said open side being folded over to form an inner wall extending entirely around said open side, said inner wall being spaced slightly from the outer wall of said box and being slightly angulated thereto, a flange extending inwardly from said inner wall and completely around said open side so as to form a supporting ledge, a glass cover adapted to fit and close said open side and have its periphery abut said inner wall and have its inner surface rest against said supporting ledge, a hermetic seal of solder between the periphery of the glass cover and the inner wall to completely close and hermetically seal the open side of the box aforesaid so as to form a hermetically sealed container about said apparatus.

2,459,194
SUCTION CLEANER DUST CHAMBER HAVING A MOVABLE WALL THEREFOR
Charles H. Sparklin, Chicago, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application November 30, 1944, Serial No. 565,871
2 Claims. (Cl. 15—352)



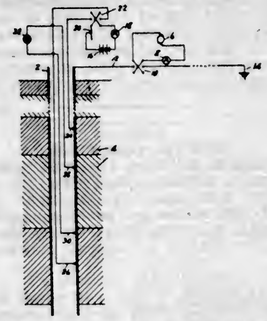
1. A suction cleaner comprising a vacuum creating portion, a nozzle portion arranged forwardly of the vacuum creating portion and hingedly attached thereto at a point on the upper part of the nozzle portion, and an air passageway between the vacuum creating portion and the nozzle portion, said nozzle portion comprising a housing, a dust screen within said housing and across said passageway, a dust chamber forming a part of said nozzle portion and located adjacent said screen, a wall hinged at its top to the nozzle portion and extending between the screen and the bottom of the dust chamber and forming a side of said chamber through which dust can be removed from said chamber, and readily-releasable locking means for normally locking said wall in airtight closed position between the vacuum creating portion and the dust collecting chamber, said nozzle and vacuum creating portions being turnable about their connecting hinge to permit pivoting of the nozzle portion upwardly to remove dust from the dust chamber.

2,459,195
ELECTRON DISCHARGE DEVICE
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 3, 1945, Serial No. 580,767
2 Claims. (Cl. 250—27.5)



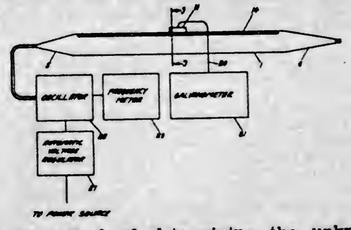
1. An electron-discharge device comprising an envelope provided with interiorly extending anode members; a cathode supported in said envelope in spaced relationship with respect to said anode members; magnet pole pieces extending into said envelope in axial alignment with said cathode; each of said pole pieces consisting of an electrically conductive, readily malleable, thin-walled shell having compacted therein finely divided magnetic material, and a magnet secured to and connecting said pole pieces exteriorly of said envelope.

2,459,196
ELECTRICAL LOGGING METHOD AND APPARATUS
William H. Stewart, Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application December 22, 1938, Serial No. 247,139
9 Claims. (Cl. 175—182)



9. An electrical process for determining the nature of the geological formations traversed by a cased drill hole comprising applying terminals of a voltage supply to the casing of the drill hole and to a remote ground, moving two exploring electrodes having a fixed spacing between them to various depths in said cased hole in electrical metallic contact with the interior of the casing thereof, and measuring voltage variations between said electrodes.

2,459,197
METHOD OF MEASURING CHARACTERISTIC IMPEDANCE OF FITTINGS FOR COAXIAL CONNECTORS
Chandler Stewart, Jr., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War
Application August 11, 1944, Serial No. 549,088
3 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of determining the unknown characteristic impedance of a pair of spaced elec-

trical conductors from a known value of characteristic impedance and four measured linear distances including the steps of supplying elec-

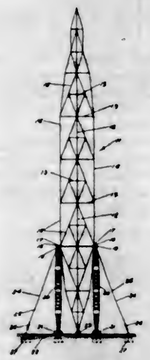
2,459,199
ARC DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to

tionable selectively in engaging and in released position, means yieldingly holding the clutch means in each of said positions, manual control mechanism embodying means common to said

mechanism of the vehicle and being adapted to maintain the pointer in register with said de-

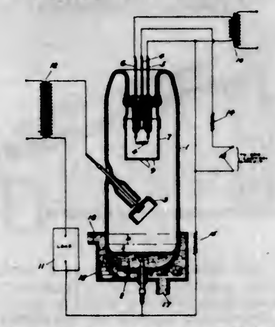
trical conductors from a known value of characteristic impedance and four measured linear distances including the steps of supplying electrical energy to one end of a measuring line of known characteristic impedance, and measuring the following distances in any order by any known means; the distance from the second end of said measuring line to the first point of voltage minimum along the line with said second end open circuited, the distance from said second end to the first point of voltage minimum along said line with said second end short circuited, the distance from said second end to the first point of voltage minimum along the line with the pair of conductors to be tested attached to said second end with the unattached end of said pair of conductors open circuited, and the distance from said second end to the first point of voltage minimum along the line with the pair of conductors to be tested attached to said second end with the unattached end of said pair of conductors short circuited, whereby the characteristic impedance of said pair of conductors may be computed from the characteristic impedance of said measuring line and the four measured distances.

2,459,198
TOWER STRUCTURE
Erastus R. St. John, Forest Hills, N. Y.
Application August 9, 1945, Serial No. 609,911
2 Claims. (Cl. 189—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



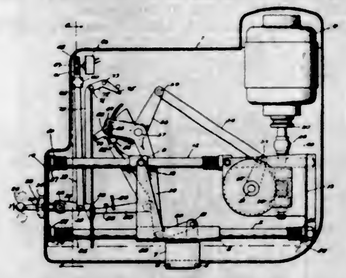
2. A tower structure comprising a ground frame embedded in the ground, said frame having a plurality of anchors exposed at the surface of the ground, a pair of elongated and rigid supports disposed in parallel spaced relation, said supports each having one end swingably attached to an anchor so that said supports can swing in parallel paths, a transverse trunnion rigidly interconnecting the ends of said supports, stays between said anchors and the ends of said supports adjacent said trunnion for securing said supports in vertical position with said trunnion extending horizontally, a tower rotatably mounted upon said trunnion and adapted to be disposed in vertical position with one end depending from the trunnion into proximity with the ground, and a lock on said ground frame for engaging said depending tower end to lock the tower in vertical position.

2,459,199
ARC DISCHARGE DEVICE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 22, 1943, Serial No. 488,305
7 Claims. (Cl. 250—27.5)



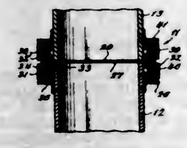
1. An arc discharge device comprising a member of non-conducting material, an anode, a liquid pool cathode consisting of mercury having a metal of the alkaline earth group incorporated therewith to thereby attenuate a portion of said mercury upon a surface of said non-conducting material projecting from said pool, a gaseous medium adjacent said cathode and means for ionizing said gaseous medium to cause ionic bombardment of said attenuated portion and thereby initiate an arc spot.

2,459,200
CONTROL APPARATUS FOR CARRIAGE DRIVE FOR RECIPROCATING CARRIAGE SLICING MACHINES
Walter Dorwin Teague, Jr., Alpine, N. J., and Robert H. Ensign, New York, N. Y., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application October 6, 1943, Serial No. 505,092
14 Claims. (Cl. 146—102)



3. A slicing machine comprising the combination, with a motor, a knife drivingly connected with said motor, and a reciprocating carriage for a substance to be sliced, of motor control means, means for connecting the carriage for reciprocation by the motor and for disconnecting the carriage for manual reciprocation comprising a driven member connected with the carriage, a driving member connected with said motor, clutch means adapted to engage said driven and driving members, said clutch means being positionable selectively in engaging and in released position, means yieldingly holding the clutch means in each of said positions, manual control mechanism embodying means common to said clutch means and motor control means for disabling said motor from operation and for throwing the clutch means to released position, said manual means being operable to another position to render the motor active when the clutch means is in a released position, and means operable by said manual means engageable with the clutch means to actuate the same into its operating position, and means for moving the manual control mechanism to normal running position when the said clutch means has been rendered active.

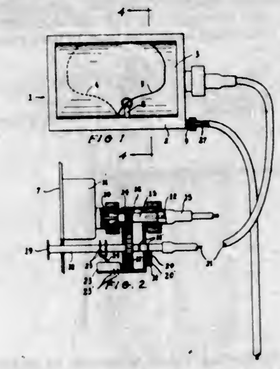
2,459,201
JUNCTION SEAL APPARATUS
Thomas R. Thomas, Baldwin, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 22, 1946, Serial No. 656,375
13 Claims. (Cl. 285—196)



1. In a joint for maintaining two wave guide tubes in pressure-tight relation and in proper electrical relation while permitting relative rotation of the tubes, for operation under a wide range of atmospheric conditions, in combination, a pair of rings having cooperating pressure-sealing faces, at least one ring being mounted adjacent the end of one tube in a manner to permit relative axial movement between the ring and tube while restraining relative rotation therebetween, an abutment on said tube adjacent said ring, an annular resilient member located between said abutment and said ring, means for holding the tubes in fixed axial relation to each other, and means for maintaining said member under an initial compression whereby to squeeze said rings together, the initial compression being sufficiently great that the member is retained in compressed condition even when subject to shrinkage by reason of extreme atmospheric conditions.

2,459,202
PARKING INDICATOR
Roy M. Thorson, Richmond, Calif.
Application August 10, 1945, Serial No. 610,114
7 Claims. (Cl. 116—31)

1. A parking guide for a motor vehicle comprising a drum turnably mounted in a visible location on the vehicle with its axis transversely thereof, a deviating line marked on the drum circumferentially thereof and representing the path of movement of the vehicle when backing into a parking space, means connecting the drum with a moving part of the vehicle to rotate the drum not more than a full revolution upon a complete parking movement of the vehicle, said means being adapted for ready installation on a standard automobile, a pointer mounted in connection with the drum for movement axially thereof and adapted to read on the line and means connecting the pointer with the steering mechanism of the vehicle and being adapted to maintain the pointer in register with said deviating line by manipulation of the steering mechanism.



2,459,203
PRODUCTION OF SHAPED ARTICLES FROM FLUORITE
George J. Vahrenkamp, Rolla, Mo., assignor to the United States of America as represented by the Secretary of the Interior
No Drawing. Application February 21, 1944, Serial No. 523,249
4 Claims. (Cl. 75—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A process for producing a shaped article from finely-divided fluorite flotation concentrates which consists in incorporating with such fluorite between 0.2 and 1.0 percent by weight of bentonite and sufficient water to form a plastic mix, then forming the resulting mixture into the desired shape and calcining the shaped mixture at an elevated temperature of between 700° C. and 1350° C.

2,459,204
BOX DUMPING MACHINE
Forest A. Van Vleck, Placerville, Calif., assignor to Food Machinery and Chemical Corporation, a corporation of Delaware
Application June 17, 1946, Serial No. 677,307
16 Claims. (Cl. 214—1.1)

1. A box dumping machine comprising an upstanding frame, an elevator on the frame adapted to engage and elevate a stack of loaded, open topped boxes, a box gripping, rocking head unit mounted on the frame for oscillating movement between a starting point in position to receive and grip the top box of each elevator supported stack at a predetermined elevation and a dumping point with said rocking head unit and box in inverted position, and power drive means arranged to operate the elevator and oscillate the rocking head unit in predetermined timed relation; there being a substantially floor-level box stack conveying mechanism disposed to deliver stacks to the elevator below said rocking head unit, said mechanism including transversely spaced conveyor chains which frictionally engage the stacks from below, a retractable stop normally disposed in the path of the lead stack whereby to prevent its advance and delivery to the elevator, the chains then slipping under the stacks, a vertically movable stack retarding member posi-

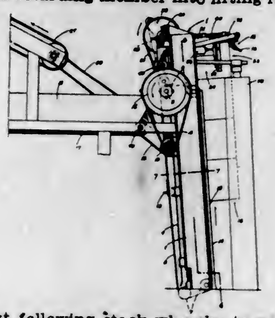
tioned in normally clearance relation below the next following stack, a lever mounted adjacent the conveying mechanism and operative when moved in one direction to retract the stop and to raise the retarding member into lifting relation to

ing; a cathode ray tube for providing a reference mark, optical means for imposing an image of said mark in the line of sight of a gunner whereby the image may be viewed simultaneously with a target, means responsive to movement of

latching engagement with said re-enforcing member, one of said latching members being pivotally mounted on each end of said supporting member, a friction gripping device secured to said supporting member adjacent each end, said

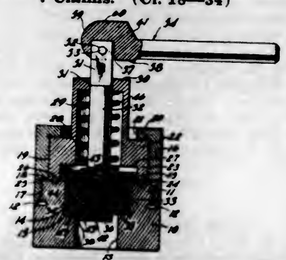
temperature to a point within the range of 2500° F. to 2750° F. for a period of time in excess of five minutes and thereafter cooling it to a temperature below 2500° F.

tioned in normally clearance relation below the next following stack, a lever mounted adjacent the conveying mechanism and operative when moved in one direction to retract the stop and to raise the retarding member into lifting relation to



said next following stack whereby to permit the lead stack to advance and deliver to the elevator while retarding movement of said next following stack so that one stack at a time is delivered to said elevator, and means operative from the elevator to so move said lever in timed relation to elevator movement.

2,459,205
MOLD FOR MAKING PLASTIC ARTIFICIAL EYES
Lee A. Wells and Charles A. Halbkat, Houston, Tex.
Application July 2, 1946, Serial No. 681,076
7 Claims. (Cl. 18—34)



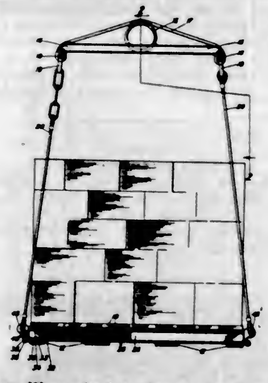
1. In a mold for making plastic artificial eyes, a base section, a cap section removably mounted thereon, a top section held on the base by means of the cap section, a plunger in the top section, a mold cup in the base section having a cavity, a plug inserted centrally in the bottom of the cup cavity and forming a recess at the top and a convex mold section on the plunger said cup and mold section having coacting faces, means in the cap section around the plunger for normally forcing the plunger into operative position and cam means engaged on the plunger and coacting with the cap section for raising the plunger.

2,459,206
CATHODE-RAY TUBE GUNSIGHT
Phillip Rood Wheeler, Alexandria, Va.
Application December 19, 1945, Serial No. 636,047
2 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An automatic compensating gunsight for establishing the line of fire of a gun comprising; a cathode ray tube for providing a reference mark, optical means for imposing an image of said mark in the line of sight of a gunner whereby the image may be viewed simultaneously with a target, means responsive to movement of the sight in the plane of train for providing an electrical signal proportional to the rate of movement of the gunsight in train, means responsive to movement of the sight in the plane of elevation

to provide an electrical signal proportional to the rate of movement of the gunsight in elevation, means for amplifying said electrical signals, means for applying the amplified signals to the cathode ray tube for displacing the reference mark upon movement of the gunsight, means for modifying said electrical signals to compensate for changes in the target range, and means linking the gunsight and the gun for movement together in train and in elevation.

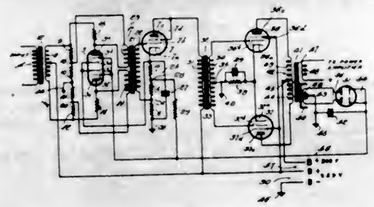
2,459,207
MATERIAL HANDLING MECHANISM
William W. Worthington, United States Navy, Cornwall Bridge, Conn.
Application April 16, 1945, Serial No. 588,520
8 Claims. (Cl. 294—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A handling device for a load-supporting platform having a transverse reinforcing member, comprising a supporting member adapted for positioning adjacent said transverse member, and a pair of gate latching members adapted for

latching engagement with said re-enforcing member, one of said latching members being pivotally mounted on each end of said supporting member, a friction gripping device secured to said supporting member adjacent each end, said latching members being pivotally movable from a disengaged position with respect to said transverse member to a latching position wherein they are each engaged by a respective one of said friction gripping devices to lock said supporting member to said transverse member.

2,459,208
MODULATION CONTROL SYSTEM
Paul Gerhard Wulfsberg, Cedar Rapids, Iowa, assignor to Collins Radio Company, Cedar Rapids, Iowa, a corporation of Iowa
Application August 23, 1944, Serial No. 550,793
3 Claims. (Cl. 179—171)

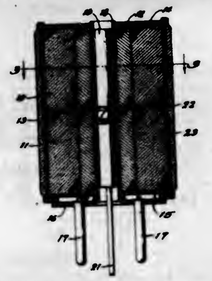


2. An amplification control system comprising a pair of balanced electron tube amplifier units, each connected in push-pull circuit arrangement and each including cathodes with associated control grid electrodes and coacting anodes, an electron tube system coupling the output of one of said balanced electron tube amplifier units with the input of the other of said balanced electron tube amplifier units said electron tube system including a cathode, a control grid, and an anode, a resistive circuit connected in series with said last-mentioned cathode, a tap on said resistive circuit connected with the grid electrodes of said first-mentioned electron tube amplifier unit, means coupled with the output circuit of said last-mentioned pair of balanced electron tube amplifier units for deriving a biasing current therefrom, and a connection from said means to the grid electrodes of said first mentioned electron tube amplifier unit for impressing compensatory bias potential on said first mentioned grid electrodes in excess of the bias potential impressed upon each of said grid electrodes from the tap on said resistive circuit, a signal input circuit connected with the first of said electron tube amplifier units, and a signal output circuit connected with the last of said electron tube amplifier units.

2,459,209
METHOD OF TREATING VITREOUS FUSED SILICA
Theodore K. Zagwyn, Waltham, and Peter R. Kosting, Belmont, Mass.
No Drawing. Application May 28, 1945, Serial No. 596,253
5 Claims. (Cl. 49—78.1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

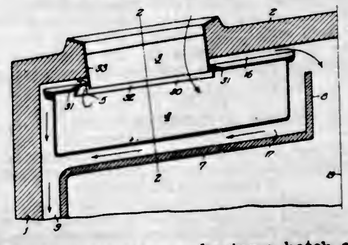
1. The method of improving the structural strength of a shaped vitreous fused silica article under high temperature conditions particularly at or about 2800° F. or above, which comprises, prior to subjecting it to said conditions, raising its temperature to a point within the range of 2500° F. to 2750° F. for a period of time in excess of five minutes and thereafter cooling it to a temperature below 2500° F.

2,459,210
VARIABLE DIFFERENTIAL TRANSFORMER
Ernest G. Ashcraft, Chicago, Ill.
Application July 21, 1944, Serial No. 546,031
3 Claims. (Cl. 171—119)



2. An electric translating device comprising a first winding having a pair of oppositely wound tubular sections connected in series and mounted coaxially end to end, a second tubular winding coaxial with said sections, a tubular casing of magnetic material enclosing the winding, annular end plates on the casing overlying the ends of the windings, a thin magnetic spacer separating the sections of the first winding and dividing the second winding and inductively related to the casing, and a magnetic core having a narrow circumferential groove about its mid section and movable axially in the opening through the windings, said groove and said magnetic spacer being of substantially the same axial dimension and in register with one another when said movable core is axially centered with respect to said tubular winding.

2,459,211
REFRIGERANT CONTAINER FOR REFRIGERATOR CARS
Edwin R. Battley and George E. McCoy, Montreal, Quebec, Canada
Original application January 26, 1945, Serial No. 574,790. Divided and this application March 17, 1947, Serial No. 735,105
3 Claims. (Cl. 62—17)



1. In a refrigerator car having a hatch opening in the roof thereof and a hatch frame therein extending below said roof container disposed below and spaced from said roof to provide air circulating space therebetween and having a filling opening therein registering with said hatch open-

ing, and means to prevent liquid within the container from surging out of the filling opening into said space during service movements of the car without preventing air communication between

other end of the fixed plate, a jaw formed across the opposite end edge of the jaw plate and adapted to move across the jaw flange when the jaw plate is swung toward the fixed plate when said

bottom wall provided with an aperture, a pin passing freely through the aperture, a seal on the pin, a spring attached to the bottom wall and to the seal, said spring normally urging the

2,459,217
ALKAMINE ESTERS OF PARA AMINO BENZOIC ACID
Arthur C. Cope, Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia,

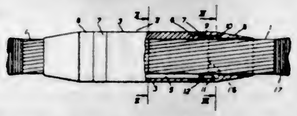
ing, and means to prevent liquid within the container from surging out of the filling opening into said space during service movements of the car without preventing air communication between said hatch opening and said air circulating space, said means comprising an upstanding flange around said filling opening and a separate collar secured to said flange in spaced relation to said frame and having a part extending into the container to retard surging of liquid therein through said filling opening, said flange and collar overlapping said hatch frame.

2,459,212

JOINTING OF CONDUCTORS OF ELECTRIC CABLES

Charles James Beaver, Bowdon, and Edward Leslie Davey, Timperley, England, assignors to W. T. Glover & Company Limited, Manchester, England, a British company

Application November 29, 1944, Serial No. 565,670
In Great Britain January 17, 1944
4 Claims. (Cl. 174—21)



1. A soldered ferrule joint between two lengths of gas filled cable conductor, comprising a longitudinally split metal sleeve having a longitudinal groove in its internal surface extending from end to end of the sleeve, a spigot portion on each end of said sleeve, a pair of metal rings each forming an inner part of an end cap for said sleeve and fitting on one of said spigot portions and having its external surface flush with the external surface of said sleeve and a through longitudinal groove in its internal surface registering with the adjacent end of the groove in the sleeve, a second pair of rings, each forming an outer part of one of said end caps and making with the free end of the adjacent inner part of the cap a spigot and socket joint of which the socket is of greater axial length than the spigot to provide between the fitted rings an annular groove and each having an external surface providing a smooth transition from the external surface of the inner part fitted on the said sleeve to that of the conductor, and solder filling the interstices within the said sleeve and within the adjacent ends of the inner parts of the end caps other than the registering longitudinal grooves therein, the annular grooves between the inner and outer parts of the end caps being clear and in communication with said registering grooves and with the interstices within the parts of the conductor surrounded by the outer parts of said end caps.

2,459,213

CLOTH CLIP

Robert A. Bellamy, Oklahoma City, Okla.

Application June 9, 1947, Serial No. 753,488
5 Claims. (Cl. 24—253)

1. A clasp of the character described, comprising a fixed plate having a jaw flange along one end edge and projecting from one side face of the plate, a hinge plate positioned against the other side face of the fixed plate, means holding the hinge plate to the fixed plate for limited rectilinear movement thereon, a jaw plate, a hinge connection between an end edge of the jaw plate and the hinge plate adjacent to the other end of the fixed plate, a jaw formed across the opposite end edge of the jaw plate and adapted to move across the jaw flange when the jaw plate is swung toward the fixed plate when said hinge plate has been moved in one direction to

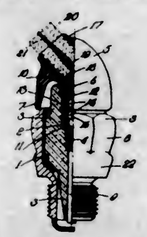
a predetermined position, the jaw plate when in the last named position having the hinge plate between it and the fixed plate, the jaw and jaw flange being locked together upon reverse movement of the jaw plate after the jaw has been moved as stated across the jaw flange.

2,459,214

SPARK PLUG

Harry Milman Bickle, Middlesex, and Ronald Albert Bailey, London, England, assignor, by mesne assignments, to Harry Milman Bickle, Heaton, Middlesex, England

Application November 29, 1944, Serial No. 565,612
In Great Britain February 2, 1944
8 Claims. (Cl. 123—169)



3. A sparking plug comprising a metal shell, surfaces on the shell for engagement by a box spanner which are so shaped as to allow to the spanner a limited universal movement with respect to the axis of the shell, an abutment on the shell limiting the extent to which the plug may enter the spanner, an insulator secured within the shell and having a recess in its outer end, a cap of insulating material covering the outer end of the insulator and having an integral tubular sleeve received in said recess, a skirt depending from the cap and spaced from the insulator, a central electrode comprising a section housed within the insulator and a section secured against removal within the tubular sleeve, means electrically connecting the two sections of the central electrode and removably securing the cap to the insulator, and means for connecting a high tension lead to the said central electrode section mounted within the tubular sleeve.

2,459,215

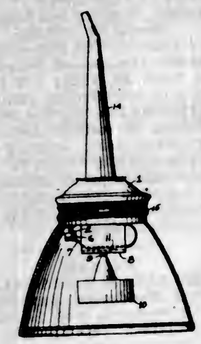
OILCAN WITH DRIP CATCHER HAVING A WEIGHT OPERATED RETURN VALVE

Marion E. Blake and Raymond A. Gartman, Fairhope, Ala.

Application February 13, 1947, Serial No. 728,336
4 Claims. (Cl. 222—110)

1. In an oil can, a catch basin adapted to be screwed into an oil can, said basin having a

bottom wall provided with an aperture, a pin passing freely through the aperture, a seal on the pin, a spring attached to the bottom wall and to the seal, said spring normally urging the



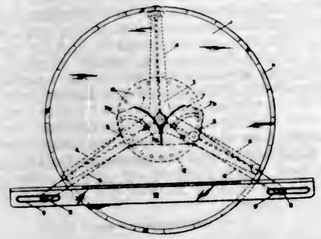
seal and pin down to open position, a bracket attached to the bottom wall, a weight supported by the bracket and arranged to bear against the spring when the oil can is tilted to close the seal and an outlet spout attached to the bottom wall.

2,459,216

DRAFTING MACHINE

Eustace Russell Booth, Staines, England, assignor of one-half to Sydney Marks, Feltham, England

Application May 30, 1945, Serial No. 596,658
In Great Britain June 6, 1944
1 Claim. (Cl. 33—78)



In a drafting machine, the combination with a drawing board having a support, of a pair of outwardly extending arms pivoted for lateral movement to the support below the board, each arm including a toothed quadrant at its inner end beyond its pivot point, the quadrants of the arms being meshed with each other so that the arms pivot about their pivot points simultaneously and to the same extent, a straight edge mounted over the board and connected to the outer ends of the pair of arms at points equidistant from the respective pivot points of the arms, the drawing board being rotatable with respect to the support, a spring-pressed pin carried by said support at the pivot point of one of said arms and adapted to engage the drawing board, and a lever pivoted to said last-mentioned arm and arranged to depress said pin.

2,459,217

ALKAMINE ESTERS OF PARA AMINO BENZOIC ACID

Arthur C. Cope, Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland

No Drawing. Application October 5, 1943, Serial No. 505,041
4 Claims. (Cl. 260—472)

1. As new therapeutic agents p-amino benzoic acid esters of secondary alkylamino butanols in which the secondary alkyl group has from 5 to 9 carbon atoms.

2,459,218

FLEXIBLE POCKET RECEPTACLE

Donald W. Corey, Springfield, Mass., assignor to Buxton, Incorporated, Springfield, Mass., a corporation of Massachusetts

Application November 8, 1946, Serial No. 708,777
2 Claims. (Cl. 150—37)

1. A purse which comprises a rear wall, a front wall including inner members connected one to each side edge of the rear wall, and folded in overlapping relation on the rear wall, and an outer member extending from the bottom edge of the rear wall and folded in superposed relation on the inner members, a flap member extending from the upper edge of the outer member and folded downwardly between the rear wall and the inner members of the front wall, a fastener element extending through said flap member, the overlapping portions of the inner members and said outer member to rivet said members together, one of the front wall members being provided with an opening giving access to the space between the front wall members for the insertion of keys, a closure flap extending from the upper edge of the rear wall and foldable over the front wall to close the compartment between the rear and front walls, and a fastener element carried by said closure flap and releasably engageable with the first mentioned fastener element when the closure flap is in purse closing position.

2,459,219

CONCENTRATION OF NONSULFIDE, NONSILICATE ORES WITH NITRIC ACID TREATED FATTY ACIDS

James B. Duke, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland

No Drawing. Application February 2, 1946, Serial No. 645,244
14 Claims. (Cl. 209—166)

1. The process of separating the components of an ore of the class consisting of non-sulfide, nonsilicate minerals mixed with silicious gangue and silicate minerals admixed with quartz, which comprises subjecting an aqueous pulp of the ore in a suitably divided state to a concentrating operation in the presence of the reaction product resulting from heating a mixture in which the

principal ingredient is unsaturated fatty acid material containing hydrocarbon chains of 7 or more carbon atoms and the minor ingredient is

2,459,222

INTRODUCTION OF AMINO GROUPS INTO CELLULOSE

and said ledge being centrally apertured, a bearing in said housing on said base plate, a shaft mounted for rotation in said bearing, a permanent magnet

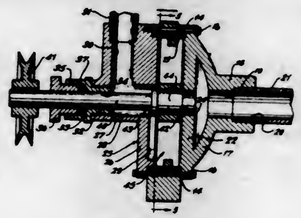
2,459,227

UNDERGROUND RESERVOIR FOR THE STORAGE OF LIQUEFIED GASES

Arthur N. Kerr, Los Angeles, Calif., assignor to

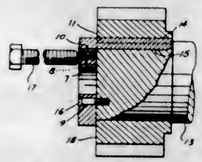
principal ingredient is unsaturated fatty acid material containing hydrocarbon chains of 7 or more carbon atoms and the minor ingredient is nitric acid.

2,459,220
CENTRIFUGAL PUMP
John A. Espy, Buechel, Ky.
Application December 13, 1945, Serial No. 634,719
3 Claims. (Cl. 103—103)



1. A pump comprising a ring shaped housing, a dome shaped cover closing one end of the housing, said cover having an axial fluid inlet opening therethrough, a web extending across the larger end of the dome shaped cover, said web having an opening extending therethrough in axial alignment with the inlet opening, a cover plate closing the opposite end of the housing, said last named cover plate having an axial discharge opening communicating with the housing and a radial discharge passage opening into the discharge opening, a bearing bushing and packing gland in the end of the discharge opening remote from the housing, an impeller shaft entering the discharge opening through the bearing housing and packing gland, the shaft extending axially through the housing and having its inner end journalled in the opening in the web, a drive pulley on the shaft adjacent its outer end and an impeller screw on the shaft within the housing.

2,459,221
COMBINED SHAFT KEY AND KEY EXTRACTOR
Charlotte M. Farrington, Flint, Mich.
Application December 31, 1946, Serial No. 719,434
3 Claims. (Cl. 287—52.05)

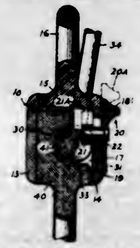


1. A combined shaft key and key extractor, comprising a flat disc having spaced screw threaded openings, a small opening and a rectangular opening disposed on a diametrical line equi-spaced from said threaded openings, said rectangular openings being arranged on the same side of the center of the disc as said threaded openings and said small opening being arranged on the opposite side of the center, and a rectangular key rigidly secured within the rectangular opening and extending axially of the disc.

2,459,222
INTRODUCTION OF AMINO GROUPS INTO CELLULOSE
John D. Guthrie, New Orleans, La., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application June 13, 1947, Serial No. 754,585
5 Claims. (Cl. 260—231)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

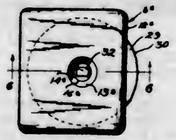
1. A process of introducing amino groups into cellulose comprising treating the cellulose with an aqueous solution of sodium hydroxide and 2-aminoethylsulfuric acid, heating the treated cellulose at a temperature from 70° to 110° C. for a minimum period from 40 minutes to 9 hours, the higher temperatures being used with the shorted periods, and then washing the cellulose to remove sodium hydroxide.

2,459,223
RELEASABLE SHACKLE
Thomas J. Henderson, Bayport, N. Y.
Application December 4, 1946, Serial No. 713,891
7 Claims. (Cl. 24—235)



1. A hollow housing, having an inner rear surface, a transverse cylindrical pin extending through the housing spaced from said surface and rotatably mounted in the housing, a part of the pin within the housing being cut away to form a flattened portion normal to a radius of the pin, a removable member having a rear surface slidable over the rear surface of the housing, said member being provided with a transverse groove in its front surface adapted to receive the transverse pin, the thickness of the part of the member above the groove being less than the minimum distance of the flattened portion of the pin from said rear surface of the housing, and manually releasable means for locking the pin against rotation.

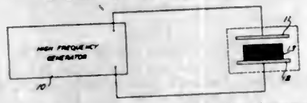
2,459,224
MAGNETICALLY OPERATED STIRRER FOR MIXING LIQUIDS
William L. Hendricks, Los Angeles, Calif.
Application August 17, 1946, Serial No. 691,217
2 Claims. (Cl. 259—108)



1. A device of the class described comprising a base plate, a housing on said base plate, said housing being provided with a central depression adapted to accommodate the lower portion of a drinking glass, said depression forming a ledge

and said ledge being centrally apertured, a bearing in said housing on said base plate, a shaft mounted for rotation in said bearing, a permanent magnet on the upper end of said shaft located for rotation in said aperture, and a hand wheel mounted on said shaft parallel to and above said base plate, said housing having a slot in one side, and a marginal portion of said wheel projecting through said slot for convenient access and manipulation.

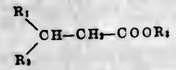
2,459,225
METHOD OF CONTROLLING HIGH-FREQUENCY HEATING OF DIELECTRIC MATERIAL
Willard H. Hickok, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application March 15, 1946, Serial No. 654,771
9 Claims. (Cl. 219—47)



1. The method of controlling the temperature of a material during the application of high-frequency electrical energy thereto which consists in mixing with the material prior to the application of said energy a substance having a phase-transition point at a temperature corresponding with the temperature to which the material is to be maintained constant for a period of time, and applying said high-frequency energy to the mixture until it passes through said point so to establish a time-interval of constant temperature of said material by utilizing the latent heat of phase-transition of said substance to prevent further rise in temperature of the material during said time-interval.

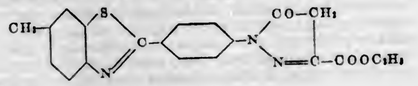
2,459,226
PRODUCTION OF PYRAZOLE-5-ONES
John David Kendall and Douglas James Fry, Ilford, England, assignors to Ilford Limited, Ilford, Essex, England, a British company
No Drawing. Application November 29, 1945, Serial No. 631,791. In Great Britain December 1, 1944
10 Claims. (Cl. 260—304)

1. Process for the production of pyrazole-5-ones which comprises reacting a diazonium compound with a compound of the general formula

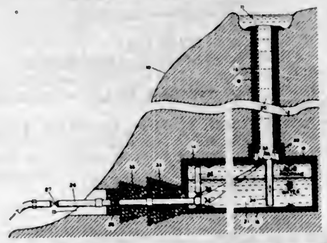


where R_1 and R_2 are organic groupings each selected from the class consisting of —COOR, —CN, —COR and —CO.NHR where R and R_3 are selected from the class consisting of hydrogen and hydrocarbon groups, the said reaction being effected in the presence of a strong base, the quantity of diazonium compound being less than two molecular equivalents per molecular equivalent of the compound of the said formula, separating the diazo compound formed, allowing it to stand to permit molecular re-arrangement, and recovering the pyrazole-5-one formed.

10. A compound of the formula

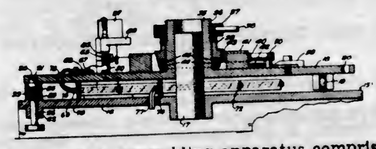


2,459,227
UNDERGROUND RESERVOIR FOR THE STORAGE OF LIQUEFIED GASES
Arthur N. Kerr, Los Angeles, Calif., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 6, 1946, Serial No. 688,761
4 Claims. (Cl. 62—1)



1. Means for storing as a liquid a normally gaseous hydrocarbon material liquefiable under pressure at normal earth temperatures which comprises, in combination, a totally enclosed subterranean storage zone, a reservoir of water the surface of which is sufficiently higher than said storage zone as to provide a hydrostatic head at least equal to the vapor pressure of said hydrocarbon material at the highest prevailing temperature of the earth surrounding said storage zone, a vertical shaft connecting said reservoir and said storage zone, a partition at the bottom of said shaft, a conduit extending through said partition to the bottom of said storage zone whereby water can freely flow between said reservoir and said storage zone, a man hole in said partition which is normally closed, a conduit leading from the top of said storage zone for introduction and removal of liquid hydrocarbon material and a conduit extending into the bottom of said storage zone for emptying of said storage zone, a valve in each of the last said two conduits, and means connected with each said valve and operable from the bottom of said shaft for opening and closing said valves.

2,459,228
ARTICLE ASSEMBLING APPARATUS
Frank Konicek, Baltimore, and Harald J. Vennes, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1943, Serial No. 502,410
6 Claims. (Cl. 175—183)



1. An article assembling apparatus comprising rotatable means for supporting an annular element of the article for rotation, means provided on the rotatable means for aligning the annular element coaxially with the axis of rotation of the supporting means including an annular cam, a plurality of locating pins actuated by said cam for engaging the inner surface of the annular element and spacing it equi-distant from the center of the supporting means at all points of contact, removable clamping means for attaching a resistance element around the annular element

at a plurality of equally spaced points, means for positioning the rotatable supporting means in predetermined rotative positions in registry with the clamped points of the resistance element,

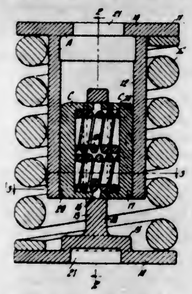
tachment having radially disposed scraper arms secured to an attachment ring adapted to en-

tudinally extending groove disposed to receive the cutting edge of the blade when said legs are moved toward one another against the resiliency of the coiled spring, and gripping jaws forming

flame will act thereon to seal the same, an endless belt cooperating with said conveyer to restrict

at a plurality of equally spaced points, means for positioning the rotatable supporting means in predetermined rotative positions in registry with the clamped points of the resistance element, and pivotally mounted contacting means engageable with the resistance element at each clamped point thereof when the rotatable means is in one of its rotative positions.

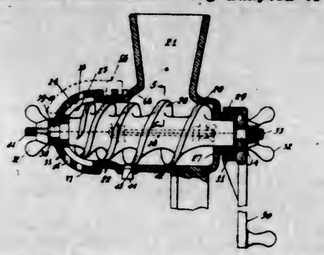
2,459,229
FRICTION SHOCK ABSORBER
Edward H. Lehman, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 11, 1944, Serial No. 525,976
2 Claims. (Cl. 267—9)



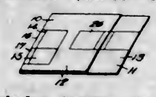
1. In a friction shock absorber, the combination with a friction casing having a follower flange at the outer end thereof, said casing having lengthwise extending friction surfaces parallel to the central longitudinal axis of the mechanism; of a yoke having a follower member at the outer end thereof, said yoke extending into the casing, and said yoke and casing being relatively movable in lengthwise direction, said yoke having a transverse guide opening therethrough at right angles to said longitudinal axis; a pair of oppositely disposed, laterally displaceable friction shoes within the opening of said yoke, said shoes having sliding frictional engagement with the interior friction surfaces of the casing; spring means interposed between said shoes for spreading the same apart, said spring means being under constant compression; and a spring surrounding said casing and yoke and bearing at opposite ends on the follower flange of the casing and the follower member of the yoke.

2,459,230
FOOD CHOPPER WITH ROTARY FORCER SCREW
Fred W. Litten, Zelienople, Pa.
Application December 8, 1944, Serial No. 567,190
2 Claims. (Cl. 146—182)

2. A food chopper comprising a cylindrical barrel having a forcer-screw rotatably supported therein and a crank for turning the same; a hemispherical, hollow rear end for said barrel provided with exit openings; a rotary cutting member removably secured to the front end of said forcer-screw and in superposed relation bearing against the exterior surface of the hemispherical rear end of said barrel; said rotary cutting member having exit openings for the passage of food and means attached to the barrel for removing the food usually adhering to the exterior surface of said rotary cutting member during the chopping operation, said means comprising a scraper attachment having radially disposed scraper arms secured to an attachment ring adapted to engage coincident lugs on the barrel to secure same removably thereon.

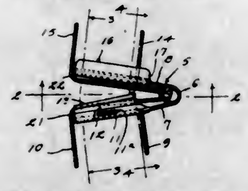


2,459,231
COMBINATION QUIZ DEVICE
Charles Lorber, Louisville, Ky.
Application June 21, 1946, Serial No. 678,495
4 Claims. (Cl. 35—48)



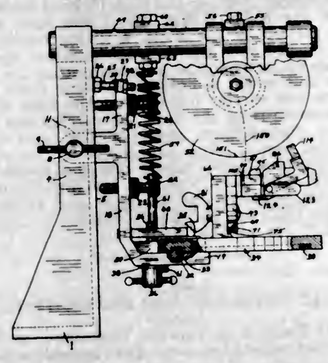
1. In a knowledge testing device, a pair of newspaper sections, one being superimposed on the other to form upper and lower sections, the upper section being freely slidable bodily on the lower section, the upper section having a first page carrying a marginally disposed unbroken and imperforate spaces bearing a series of printed knowledge tests and the lower section having a first page carrying a correspondingly marginally disposed unbroken and imperforate spaces bearing a series of printed informations giving the truth or falsity of replies made to said tests, the marginally disposed tests and the marginally disposed information being of equal vertical dimension and each information space being correspondingly positioned and of equal vertical dimension to the test relating thereto.

2,459,232
COMBINATION FRUIT OR FLOWER CUTTER AND HOLDER
Willis R. Mabrey, Oildale, Calif.
Application March 28, 1947, Serial No. 737,949
9 Claims. (Cl. 30—135)



1. In a holder and cutter for fruit and flowers or the like, a coiled spring having legs projecting from the ends thereof in normally diverging relationship, finger engaging portions projecting outwardly from each of the legs, a blade carried by one of said legs extending longitudinally thereof and disposed with its cutting edge facing toward the other of said legs, said other leg being provided with a finger guard having a longitudinally extending groove disposed to receive the cutting edge of the blade when said legs are moved toward one another against the resiliency of the coiled spring, and gripping jaws forming extensions of the legs and disposed in offset, substantially parallel relationship to the blade and guard and adapted to be actuated simultaneously therewith for grasping the stem of a flower or fruit as it is severed by the cutting blade.

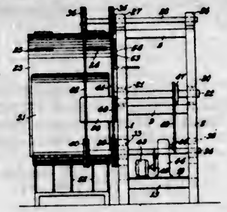
2,459,233
SAW SHARPENER
Arthur William Mall, Flossmoor, Ill., assignor to Mall Tool Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1944, Serial No. 556,231
18 Claims. (Cl. 51—98)



3. A device for sharpening saw teeth comprising a support member, a grinding wheel carried thereby, a bracket member carried by the support member and movable relative thereto in a direction upwardly and downwardly relative to the grinding wheel, said bracket member also being movable in a rectilinear direction from side to side relative to the grinding wheel, a turntable carried by the bracket member and rotatively adjustable relative thereto, a wall extending upwardly from the turntable, a carrying member secured to the wall and rotatively adjustable relative thereto and means associated with the carrying member for temporarily anchoring the saw tooth to be sharpened.

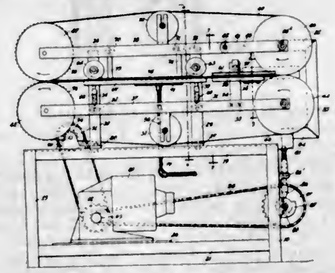
2,459,234
FLAME SEALING APPARATUS
Robert McDowall, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application October 18, 1945, Serial No. 622,983
3 Claims. (Cl. 154—42)

1. An apparatus for flame sealing thin walled thermoplastic tubing, which comprises a rotary drum conveyer having cleats in spaced relationship circumferentially thereof and against which the tubing is disposed, a guide to position the tubing transversely of said drum and expose the end of the tubing to be sealed a predetermined distance beyond the edge of said conveyer, means to clamp the positioned tubing onto said conveyer, a burner disposed adjacent said edge of said conveyer and in position to provide a flame in the path of travel of said exposed end whereby as said tubing is conveyed the exposed end will pass through the zone of action of said flame and the flame will act thereon to seal the same, an endless belt cooperating with said conveyer to restrict



the action of said flame to said exposed end, and means to discharge the sealed tubing from the apparatus.

2,459,235
FLAME SEALING APPARATUS
Alfred G. Hewitt, La Grange Park, and Sylvester F. Clement, Chicago, Ill., assignors to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application April 5, 1946, Serial No. 659,970
9 Claims. (Cl. 154—42)



1. An apparatus for flame sealing thin-walled thermoplastic tubing which comprises a pair of driven belts located one above the other and adapted to contact with each other, cam actuated means to separate said belts periodically at the feed end of the machine to permit insertion of the tubing to be sealed between said belts, means to position said tubing between said belts whereby only a small portion of the end of the tubing is exposed beyond the edges of the belts, and a burner providing an open flame in the path of travel of the exposed end of said tubing whereby said end is sealed as it is conveyed through said flame by said belts.

2,459,236
REMOVING SHINE FROM FABRICS
Ralph H. McKee, New York, N. Y.
No Drawing. Application September 28, 1944, Serial No. 556,299
4 Claims. (Cl. 26—29)

1. The process of treating worn fabric which comprises applying thereto a neutral aqueous solution of an organic fabric-softening wetting agent which is water-soluble, neutral in reaction, which is not salted out of aqueous solution by brines and whose dilute water solution has a surface tension less than two-thirds that of pure water, said wetting agent being selected from the group consisting of sulfates and sulfonates of organic esters, organic alcohols, ethers and amines, permitting the fabric to which said solution has

been applied to stand for a short period, thereafter raising the nap of the fabric by a non-abrading brushing action, and thereafter drying the treated fabric.

2,459,240
ASBESTOS FIBERIZING
Lee C. Pharo, Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford Mines West, Quebec, Canada
Application October 12, 1943, Serial No. 505,999

bottom, an upwardly opening flint tube extending through an opening near one end of the bottom of the recess, the bottom of the recess having a tapped hole leading to the fuel chamber and located farther from said end of the recess, a rectangular box-like carrier member having side

system comprising a valve chamber having an intake at its base and an air outlet passage, and housed within the valve chamber, a float in the form of an open bottomed hollow member, a syphon tube and a thermostatically expansible bellows, said expansible bellows operatively con-

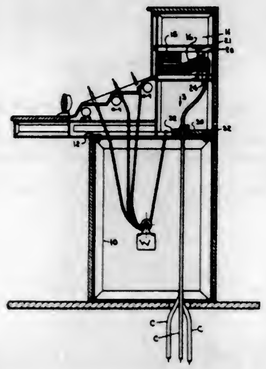
been applied to stand for a short period, thereafter raising the nap of the fabric by a non-abrading brushing action, and thereafter drying the treated fabric.

2,459,237

SELF-CONTAINED SWITCHBOARD AND CABLE CONNECTIONS THEREIN

Eugene L. Mentor, Westminster, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts

Application November 26, 1945, Serial No. 630,915
6 Claims. (Cl. 179—91)



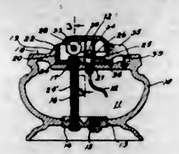
5. In a self-contained switchboard, a front portion having a large number of jacks and jack connections, and a plurality of multiple terminal blocks positioned rearward of but adjacent to said front portion, each multiple terminal block comprising a jack section and a plug section, said switchboard having a plurality of outside connection cables, said jack connections being grouped and secured to one section of each terminal block and the wires in one of said cables being connected to the corresponding other section of said terminal block, and means effective to force said terminal block sections together and also to separate said sections.

2,459,238

TABLE LIGHTER

Harry Negbaur, New York, N. Y., assignor to H. Negbaur & Co., New York, N. Y., a copartnership composed of Harry Negbaur and Dorothy B. Negbaur

Application August 28, 1946, Serial No. 693,393
2 Claims. (Cl. 67—4.1)



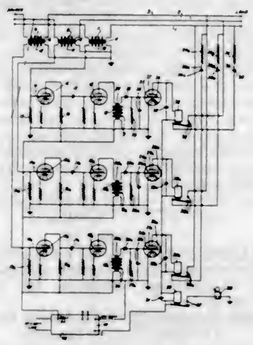
1. A lighter comprising a hollow, fuel-chamber-forming body having a top wall with an upper substantially flat surface outside a rectangular riser and a rectangular, upwardly opening recess within the riser, the recess having a bottom, an upwardly opening flint tube extending through an opening near one end of the bottom of the recess, the bottom of the recess having a tapped hole leading to the fuel chamber and located farther from said end of the recess, a rectangular box-like carrier member having side walls and end walls receivable in the recess, a top flange overlying the riser and a bottom wall spaced above the bottom of the recess, the bottom wall of the carrier member having a flint receiving opening in line with the flint tube and a hole in line with the tapped hole, a tubular headed member extending through the last mentioned hole and threaded into the tapped hole for securing the carrier member in place with the flange against the top of the body, a wick in the tubular member, a flint in the flint tube, a horizontal shaft extending between the side walls of the carrier member and with its ends below the top of the body, a flint wheel and flint wheel cover carried by the shaft, a spring urging the cover toward open position, a flint wheel operating ratchet mechanism interconnecting the flint wheel and cover, a horizontal latch shaft carried by the carrier member on the side of the wick remote from the flint, the carrier and riser having aligned latch receiving slots, and a depressible, spring returned-latch lever carried on the latch shaft and having one end cooperable with the flint wheel cover for latching the cover in closed position and its other end extending through the slots and above the flat surface of the body for manual actuation.

2,459,239

FAULT DETECTOR FOR TRANSMISSION LINES

Herbert Payne, New York, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 22, 1947, Serial No. 749,773
5 Claims. (Cl. 177—311)



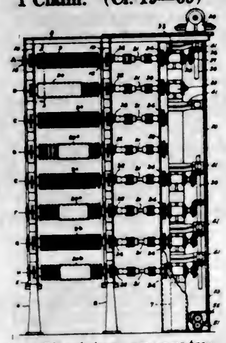
1. In a fault detecting means for alternating current transmission lines which differentiates between absence of current due to no load and an absence thereof due to a fault, the combination of means associated with said lines and responsive to current flow therein, means including a high impedance coacting with the first named means and activated by an absence of current in said transmission lines to establish a high impedance load and cause a small current to flow, and signaling means coacting with the last named means and operable when said high impedance means fails to cause a current to flow.

2,459,240

ASBESTOS FIBERIZING

Lee C. Pharo, Thetford Mines, Quebec, Canada, assignor to Johnson's Company, Thetford Mines West, Quebec, Canada

Application October 12, 1943, Serial No. 505,999
1 Claim. (Cl. 19—65)



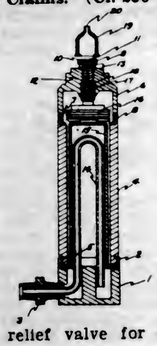
An asbestos fiberizing apparatus, comprising, a plurality of sets of rolls aligned to act successively on masses of asbestos during their passage through the apparatus, each set including a pair of companion rolls presenting inter-fitting longitudinal extending ribs and grooves, each set also including an alternate pair of companion rolls presenting interfitting circumferentially extending ribs and grooves, there being such sets of rolls wherein the distance on the surfaces of the rolls between the apices of adjacent ribs is about 2½ inches and the ribs and grooves are effective to flex the longest spicules without injury to the fiber, succeeding sets of rolls having a distance on the surfaces of the rolls between the apices of adjacent ribs of about 1½ inches whereby the ribs and grooves are effective to flex fibers of intermediate length without injury to the longer fibers, and final sets of rolls having a distance on the surfaces of the rolls between the apices of adjacent ribs of about ½ inch whereby the rolls are adapted to flex fibers of the shortest length without injury to the longer or intermediate fibers.

2,459,241

AIR RELIEF VALVE FOR HEATING SYSTEMS

Frank C. Risselt, Cincinnati, Ohio, assignor to Josephine M. Risselt, Cincinnati, Ohio

Application October 27, 1944, Serial No. 560,571
3 Claims. (Cl. 236—62)



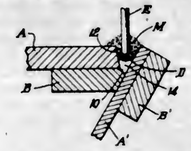
1. An air relief valve for a steam heating system comprising a valve chamber having an intake at its base and an air outlet passage, and housed within the valve chamber, a float in the form of an open bottomed hollow member, a syphon tube and a thermostatically expansible bellows, said expansible bellows operatively connected with a valve for closing said air outlet passage, and being in such position within the valve chamber as to be elevatable by contact with said float, said syphon tube having a discharge into the intake and a neck extending up throughout the height of the float when said float is in its lowermost position.

2,459,242

BLANKETED ELECTRIC WELDING WITH A FUSIBLE TROUGH TO SUPPORT THE COMMINUTED MINERAL COMPOSITION ABOVE THE BOTTOM OF THE WELDING ZONE

Frank Rothe, Niagara Falls, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio

Application June 30, 1945, Serial No. 602,555
6 Claims. (Cl. 219—10)



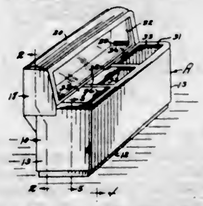
1. In the art of electric welding work composed of metal parts with an electrode of fusible metal under a blanket of comminuted mineral composition, the improved process which comprises providing a welding groove between the parts to be welded which groove is separated by a thin partition of fusible metal into upper and lower portions, supplying comminuted mineral composition to the upper portion only of the welding groove, so that the lower portion of the welding groove is substantially empty prior to the welding operation, completing a welding circuit under such mineral composition through the electrode and work, moving the electrode longitudinally with respect to the groove, and progressively melting said electrode and partition under the mineral composition as the welding operation progresses along the groove to complete the weld in both portions of the groove in a single pass.

2,459,243

REFRIGERATED DISPLAY CABINET

Max W. Schwartz, New Castle, Pa.

Application May 21, 1945, Serial No. 595,037
5 Claims. (Cl. 62—89.5)



1. A cabinet of the character described, comprising a lower body section having horizontally disposed and transversely slidable lids provided with transparent portions, an upper section extended above the lower section including a com-

partment separated from the lower section and having a permanent transparent front panel, refrigerating means positioned in the lower section,

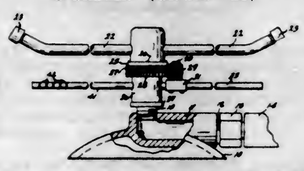
ber, an L-shaped lever member having the free end part of its lower horizontal portion pivoted to said lug and its vertical portion provided with an

thereof a pair of upwardly and inwardly extending flanges arranged in gripping relation with the lower portions of the sides of the article,

with said brace member and having vertically extending sections adapted to abut on the front end of said member, said hook elements having

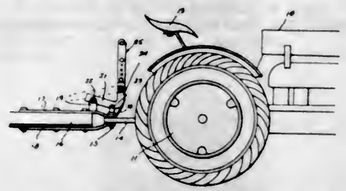
partment separated from the lower section and having a permanent transparent front panel, refrigerating means positioned in the lower section, and means for circulating cold air from the lower section to the upper section, said cabinet having a passage for the return of the air to the lower section.

2,459,244
SQUARE LAWN SPRINKLER
Leonard D. Sellars, Culver City, Calif.
Application October 30, 1946, Serial No. 706,551
3 Claims. (Cl. 299—18)



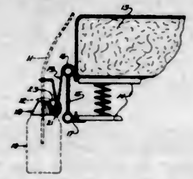
1. A device of the character described, comprising a base, a water inlet for said base, a tubular standard mounted in said base and communicating with said inlet, a head rotatably mounted on the upper end of said standard, a sleeve secured to the inner walls of said head, a sleeve fixed to the upper end of said standard, having loose contact with the sleeve within said head, ports in said sleeves adapted to aline with each other during the rotation of said head, water distributing arms mounted in said head in horizontal alinement with each other, and in diametrically opposed relation to each other, a gear secured to said head surrounding said standard, a gear of the same size but having one tooth less than the gear on said head mounted on said standard below the gear on said head, in parallel relation therewith, a sleeve rotatably mounted on said standard below the gear secured thereto, water distributing arms secured to said sleeve and gear mounting means on one of said arms a gear rotatably mounted on said last means, said last mentioned gear adapted to mesh with said first mentioned gears to cause rotation of said first gear when water is distributed by said last mentioned arms.

2,459,245
TRACTOR HITCH PIN DEVICE
Basil E. Seward, Elk Point, S. Dak.
Application November 1, 1946, Serial No. 707,213
2 Claims. (Cl. 280—33.15)



1. A hitch device for connecting an implement to the drawbar of a vehicle comprising, a horizontally-extending tongue member, upper and lower plate members secured to the upper and lower sides of said tongue member having vertically-spaced extensions on their forward ends which are apertured to receive a vertically-extending and upwardly-movable hitch-pin, a lug extending upwardly from the upper plate member, an L-shaped lever member having the free end part of its lower horizontal portion pivoted to said lug and its vertical portion provided with an aperture through its upper end part, means intermediate the opposite ends of said lever member for pivotally connecting said lever member to a hitch pin, an auxiliary arm member having its lower end portion pivotally secured to said vertical portion of said lever member, an extension secured to the upper part of said auxiliary member, a handle on the upper end of said extension for facilitating manual swinging of said auxiliary arm member and extension between a vertical position substantially coplanar with said vertical portion of said lever member and a relatively horizontal position, the adjacent faces of said vertical portion of said lever member and said extension being formed to have complementary serrations, and spring means normally urging said serrated faces into engaging relation.

2,459,246
BOTTLE SUPPORT
Orie I. Sinclair, Wilmington, Calif.
Application November 25, 1947, Serial No. 788,030
3 Claims. (Cl. 248—312)



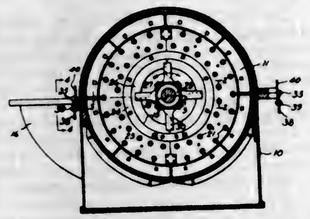
2. A bottle support comprising an annular band of thin flexible material adapted to surround a bottle neck and having apertured end portions, and a bracket having an apertured lug insertible between the apertured end portions of said band, a hook on said bracket adapted to engage the structure of a bed or stand, a tube clip on said bracket between said lug and said hook and positioned to overlie said band, and a screw fastener inserted through the apertured end portions of said band and said apertured lug to operatively connect said band to said bracket.

2,459,247
COMBINED CONTAINER AND HOLDER FOR BLOCKLIKE ARTICLES
John F. Skold, Chicago, Ill.
Application September 10, 1947, Serial No. 773,171
6 Claims. (Cl. 206—56)

1. As a new article of manufacture, a holder adapted for use with a block-like article and comprising a U-shaped piece embodying a pair of upstanding, spaced apart, substantially parallel sides, each with a vertical series of horizontally extending, open ended, inwardly facing grooves in alignment with the grooves in the other side, and a rectangular slide piece positioned under the article and having at the sides

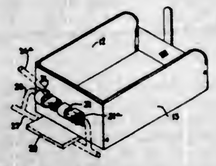
thereof a pair of upwardly and inwardly extending flanges arranged in gripping relation with the lower portions of the sides of the article, spaced laterally apart and shaped substantially conformably to the grooves in the sides of the U-shaped piece, and adapted to be brought into and out of seated relation with any one pair of opposed grooves by sliding the slide piece longitudinally relatively to the U-shaped piece.

2,459,248
REJECTOR-BLADE WEAR-COMPENSATING-RING, FOR DISCHARGE OF ROTARY BEATER MILL
Eric H. Smith and Oscar A. Johnson, Worcester, Mass., assignors to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application January 31, 1947, Serial No. 725,440
3 Claims. (Cl. 241—186)



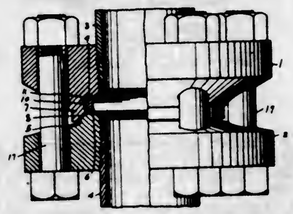
1. In a pulverizing apparatus of the type having a casing divided internally by a partition into a pulverizing zone and a fan chamber, the partition having an opening therethrough in which a ring is supported to define an outlet opening for the escape of pulverized material from the pulverizing zone to the fan chamber, and revoluble rejector blades with their outer ends overlapping the entrance side of the ring to prevent the escape of coarse particles of material therethrough, an improved mechanism for counteracting the effect of rejector blade wear comprising two rods extending substantially radially outward from opposite sides of the ring, handles connected to the outer ends of the rods to turn them about their axes, and means connecting the inner ends of the rods to the ring in such a manner as to move the ring axially in the partition opening as the rods are turned.

2,459,249
TRICYCLE CART
Joseph J. Sternad, Cleveland, Ohio
Application August 16, 1947, Serial No. 768,971
2 Claims. (Cl. 280—202)



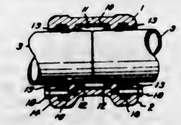
1. An attachment adapted to be removably attached to a tricycle having a frame including an elevated brace and a step below the brace at the rear of the tricycle, which attachment comprises a box-like member having an open top, a pair of upwardly open hook elements adapted to engage with said brace member and having vertically extending sections adapted to abut on the front end of said member, said hook elements having vertically extending slots formed in the vertical sections thereof, and means releasably engaging with said slots and hook elements to position said hook elements in adjustable relation to the box-like member.

2,459,250
DOUBLE SEAL FLANGE UNION
Crawford K. Stillwagon, Houston, Tex., assignor to Well Equipment Mfg. Corp., Houston, Tex., a corporation of Texas
Application March 11, 1944, Serial No. 526,052
2 Claims. (Cl. 285—137)



1. A union comprising aligned flanges, one of said flanges having an annular, inwardly converging, seat and having an annular end face within said seat, the inner side of the other flange being formed with an annular rib provided with a flared, annular seat, said seats fitting closely together when the flanges are assembled, the inner side of the rib being countersunk, annularly, and thus presenting an inside wall which is parallel with said end face and spaced therefrom and also presenting an outer side wall which converges toward the inner margin of the flared seat thus providing an inside annular groove when the flanges are assembled, a gasket fitted in said groove and clamp bolts securing said flanges in assembled relation with said seats fitting together and with the gasket under compression between said inside wall and the end face.

2,459,251
THREADLESS PIPE COUPLING
Crawford K. Stillwagon, Houston, Tex., assignor to Well Equipment Mfg. Corp., Houston, Tex., a corporation of Texas
Application June 30, 1945, Serial No. 602,560
5 Claims. (Cl. 285—194)



2. A coupling for the adjacent ends of a rod or pipe comprising, a housing formed of two sections shaped to closely surround said adjacent ends, said housing having inside, annular grooves formed with recesses, arcuate, plate-like dogs nested in the grooves and shaped to fit around, and engage, said adjacent ends and said dogs having lugs on their outer margins which project into the recesses, bolts screwed into said sections and extending through said lugs.

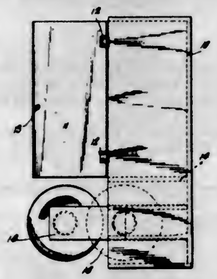
2,459,252
BOLLED TOILET PAPER CABINET AND DISPENSER
Charles J. Strahan, Milton, Pa.

2,459,254
PROCESS AND APPARATUS FOR THREADING UP CONTINUOUS SPINNING MACHINES
Anne van der Mei, Arnhem, Netherlands, assignor

2,459,256
DESULFURIZING MOLTEN FERROUS METAL
Frederick W. White, New Brighton, and Edward B. Story, Bethel Township, Allegheny County,

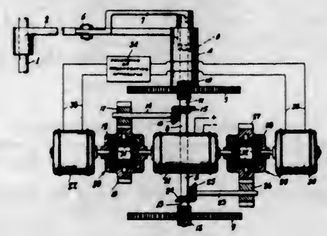
then forward and terminating in a horizontal section, a back member, vertical tubes secured to the back member into which the upper ends of the lengths of rod material are disposed, se-

2,459,252
ROLLED TOILET PAPER CABINET AND DISPENSER
Charles J. Strahan, Milton, Pa.
Application August 14, 1945, Serial No. 610,826
3 Claims. (Cl. 242—55.2)



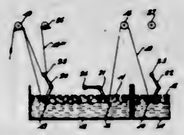
1. A roll paper dispenser comprising a box-like chamber open at its front and having side walls, one of said side walls having a channel extending longitudinally thereof, a plate slidable in said channel, a cantilever paper roll supporting spool extending from said plate, said spool and paper roll being partially recessed in said chamber when said plate is at its innermost channel position and supported exteriorly of said chamber when said plate is at its outermost channel position.

2,459,253
REPRODUCING APPARATUS
Joseph M. Tyrner, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application November 29, 1944, Serial No. 565,759
5 Claims. (Cl. 318—8)



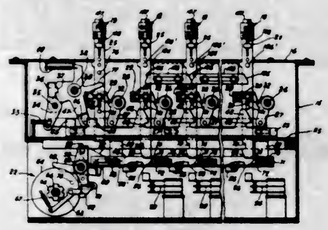
1. Apparatus of the kind described comprising a tracing element for use in tracing a given pattern, a pair of alternating current generators, means for normally driving said generators at a substantially constant speed so that they have a normal predetermined output frequency, said last named means comprising differential gearing for each generator through which such generator is driven, the differential gearing for each generator having a rotary housing, means actuated by the movement of said tracing element when tracing a pattern for rotating said housings in accordance with the movement of the tracing element to thus vary the speed of the generators and their output frequency, and means for recording on a record the alternating currents thus generated and varied in frequency.

2,459,254
PROCESS AND APPARATUS FOR THREADING UP CONTINUOUS SPINNING MACHINES
Anne van der Mei, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application November 14, 1946, Serial No. 709,750
In Germany May 26, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1961



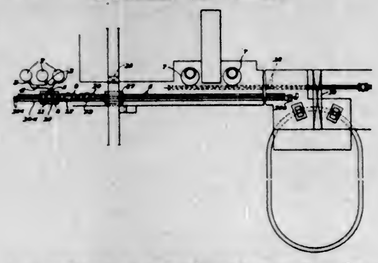
5. In the continuous spinning of rayon yarn that includes simultaneously delivering successive portions of a plurality of yarns to an after-treatment bath in the form of a warp, simultaneously withdrawing successive portions of said warp from said baths while passing said warp under a guiding element in said bath; the method of threading-up an individual yarn after breakage that includes controlling the broken end of yarn issuing from the point of delivery and leading it under a guiding element disposed outside of said bath to a point of temporary collection outside said bath, and substituting said outside guiding element for said bath guiding element to restore said broken yarn to normal position in said bath while avoiding disturbance of said running warp.

2,459,255
SWITCHING APPARATUS FOR FIRE CONTROL SYSTEMS
William Von Glahn, Richmond Hill, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 22, 1947, Serial No. 781,306
11 Claims. (Cl. 74—483)



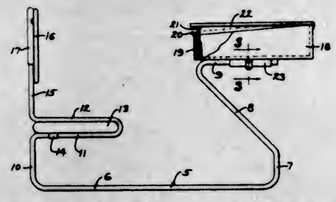
1. Switching apparatus comprising, in combination, keys arranged in columns and opposed to each other, a common locking bail for the keys in one column actuated by any depressed key therein to lock the same in its depressed position, a movable control member having a normal position from which it is actuated by a depressed key projecting therethrough, and means on said control member controlled by the movement thereof and by contact with said depressed key for preventing the full depression of a key in the other column opposed to the first named key.

2,459,256
DESULFURIZING MOLTEN FERROUS METAL
Frederick W. White, New Brighton, and Edward B. Story, Bethel Township, Allegheny County, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a corporation of of Pennsylvania
Application January 11, 1947, Serial No. 721,659
4 Claims. (Cl. 75—55)



1. A method of desulphurizing molten ferrous metal comprising heating to a temperature about that of the molten ferrous metal to be desulphurized a quantity of previously unused desulphurizer which gasifies upon being heated to melt and decompose the desulphurizer to drive off substantially all gaseous matter formed and, after thus preparing the desulphurized, intimately associating the desulphurizer and the molten ferrous metal to effect desulphurization of the molten ferrous metal by pouring the molten ferrous metal and desulphurizer into a single chamber receptacle wherein throughout the pour all molten ferrous metal in the receptacle forms a single pool all portions of which are in mixable contact with the desulphurizer, the desulphurization in said receptacle being characterized by minimization of foaming which would be caused by release of gaseous matter and by enhancement of interface reaction between the desulphurizer and all portions of the metal.

2,459,257
CHAIR, TABLE, AND DESK COMBINATION
Halbert M. Wood, Madison, Wis.
Application August 12, 1946, Serial No. 690,058
1 Claim. (Cl. 155—124)

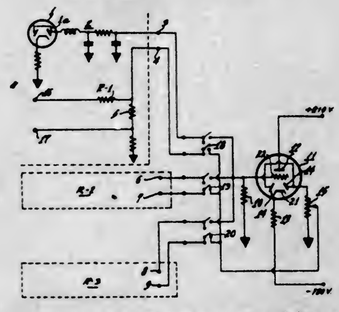


A combined desk and chair comprising identical frame sections arranged parallel to each other, each frame section embodying a length of rod material constructed with upstanding ends to form a back and then bent forward at right angles therewith and then bent backward in a U shape to provide spaced parallel members, a seat held between the parallel members of the frame sections, said parallel members frictionally engaging the upper and lower surfaces of the seat, the rod at the lower rear end of the U shape then bent downward to form a rear leg for the chair, then forward to form a floor engaging section, then upward to form a leg for the desk, then forward and terminating in a horizontal section, a back member, vertical tubes secured to the back member into which the upper ends of the lengths of rod material are disposed, securing the back to the back section, the forwardly extended ends of the sections being fitted in tubes of a desk, securing the desk to the frame sections, at the front ends thereof.

2,459,258
METHOD OF CONSTRUCTING SLIPPERS
Benjamin Wunsch, New York, N. Y., assignor of one-half to Isidor Wunsch, Bronx, N. Y.
Application January 8, 1947, Serial No. 720,792
2 Claims. (Cl. 12—142)

1. The method of forming footwear of the class described, which comprises first uniting side wall portions of the upper, then attaching the outwardly extending peripheral flanges at lower edges of the side walls to the corresponding edges of a soft insole, then attaching lower edges of the upper and peripheral edges of the insole to peripheral edge portions of a hard sole by a single line of stitching, and stretching the upper and insole in stitching the same together to size the upper and insole to the size determined by said hard sole.

2,459,259
DIVERSITY RADIO RECEIVING SYSTEM
Charles Percy Beanland, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application December 7, 1944, Serial No. 567,014
In Great Britain October 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 25, 1963
4 Claims. (Cl. 250—20)



1. A radio receiving system comprising a plurality of constituent receivers each including signal detecting means and an automatic gain control circuit, each of said receivers having a terminal connected to said detecting means to receive the output thereof and a terminal connected to said automatic gain control circuit to feed an automatic gain control voltage thereto, a combining circuit having an input and an output, means for coupling all of said detecting

means terminals to said combining circuit input and means for coupling all of said automatic gain control circuit terminals to said combining circ-

reached in said tank, and an electrical indicator lamp in said circuit said lamp having a filament

rately formed for cooperation with suitable sorting and tabulating machines and being provided at the upper and lower edges of the check with

2,459,266
ARTICLE FOR REPRODUCING DRAWINGS ON BLANKS
George B. Crouse, Wading River, N. Y., assignor,

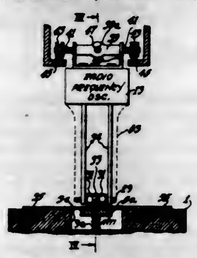
means terminals to said combining circuit input and means for coupling all of said automatic gain control circuit terminals to said combining circuit output, said combining circuit including a thermionic discharge tube having a plurality of cathode to anode discharge paths therein and a control electrode for influencing the cathode to anode current in one of said paths, said combining circuit input being connected to said control electrode.

2,459,260

HIGH-FREQUENCY ELECTRICAL BONDING APPARATUS FOR BONDING WIDE LAYERS OF DIELECTRIC MATERIALS

George H. Brown, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application August 23, 1943, Serial No. 499,599
5 Claims. (Cl. 219—47)



1. In electrical apparatus for bonding together a plurality of dielectric parts with the aid of heat, the combination of a work supporting member for supporting said parts, said member having an opening therein, an assembly including (1) a source of high frequency electrical energy, (2) a pair of electrodes cooperating as a unit and electrically insulated from each other, and (3) a transmission line coupling each electrode of said pair to said source, said assembly being mounted above said work supporting member and being so arranged relative thereto that said electrodes are disposed in alignment with and in close proximity to said opening, a third electrode mounted below said work supporting member also in alignment with said opening whereby said unit and said third electrode are arranged in opposed relation and are adapted to receive said parts therebetween, means associated with said electrodes for effecting engagement of said electrodes with said parts, said third electrode bridging said pair of electrodes and cooperating therewith for the establishment therebetween of a high frequency electric field for producing dielectric losses in said parts whereby to heat said parts, and track means above said work supporting member on which said assembly is movably mounted.

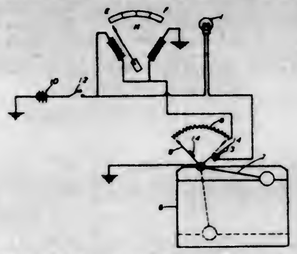
2,459,261

FUEL LEVEL INDICATOR SYSTEM

Donald Bennion Browne, Harpenden, England, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 2, 1946, Serial No. 645,219
In Great Britain February 15, 1945
3 Claims. (Cl. 177—311)

2. An electrical indicator system for a fuel tank for an internal combustion engine comprising a float in said tank, an electric circuit, contacts in said circuit controlled and adapted to be closed by said float when a low fuel level is reached in said tank, and an electrical indicator lamp in said circuit said lamp having a filament



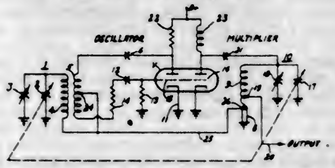
and a heat dissipating mass in contact therewith such that the filament lights up only when said contacts are firmly and completely closed by said float.

2,459,262

OSCILLATION GENERATOR AND FREQUENCY MULTIPLIER

Alan P. Buffington, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application March 13, 1946, Serial No. 654,046
7 Claims. (Cl. 250—36)



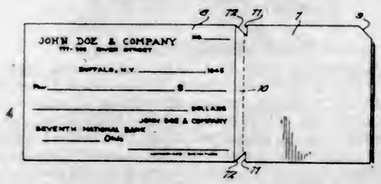
1. In combination, a high frequency oscillator comprising a tube having cathode, plate and grid electrodes, said oscillator including a tunable frequency-determining network and plate-cathode and grid-cathode circuits, a frequency multiplier having an output circuit tunable to a harmonic of the oscillator frequency, means for applying the oscillator output to the multiplier, and means for applying a portion of the output of said multiplier to the grid-cathode circuit of the oscillator.

2,459,263

BANK CHECK

Neil D. Callanan, Buffalo, N. Y.

Application February 15, 1945, Serial No. 577,991
4 Claims. (Cl. 235—61.12)



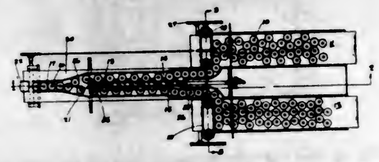
2. A check made of two parts, one part being of card material and the other part being of paper and having a check form thereon, said parts being arranged lengthwise of the check and secured together intermediate of the ends of the check, said card part of the check being accurately formed for cooperation with suitable sorting and tabulating machines and being provided at the upper and lower edges of the check with inwardly extending edge portions by means of which said card portion may be fed to sorting and tabulating machines with the edge of the card portion located at one end of the check leading and with the paper portion of the check trailing.

2,459,264

TRANSFER MECHANISM

Richard C. Cerruti, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York

Application July 16, 1946, Serial No. 683,919
1 Claim. (Cl. 198—32)



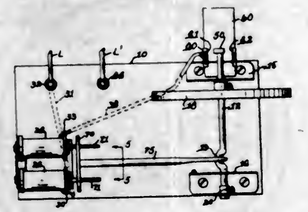
In a mechanism for transferring articles, a rotatable screw having a pitch larger than the width of said articles, a pair of movable article loading platforms arranged on opposite sides of the rotatable axis of said screw and movable in a direction substantially parallel thereto, an article guideway slightly larger than the width of said article extending from each of said platforms to and along side of said screw, auxiliary article moving means associated with each one of said platforms arranged to move articles transported thereon into the corresponding guideway, each of said guideways converging at one end of said screw to form a single guideway having a width slightly larger than the width of said article, stationary article abutment means arranged in proximity to said screw and on a prolongation of its axis, and article moving means arranged to move said articles when in said guideways.

2,459,265

MAGNETIC IMPULSE MOTOR

Elmer Keith Crosby, Worcester, Mass.

Application March 22, 1947, Serial No. 736,544
2 Claims. (Cl. 172—126)



1. In a magnetic impulse motor, a magnetic unit, an armature mounted to slide toward and away from said unit, non-magnetic and non-magnetized means to support and guide said armature for substantially straight-line movement, a shaft formed with a crank and having a fly wheel mounted thereon, a connecting rod having one end fixed to said armature and having the other end directly pivoted on said crank, and circuit-control means effective to periodically make and break the magnetic circuit.

2,459,266

ARTICLE FOR REPRODUCING DRAWINGS ON BLANKS

George B. Crouse, Wading River, N. Y., assignor, by mesne assignments, to Photo-Positive Corporation, New York, N. Y., a corporation of New York

Original application July 8, 1941, Serial No. 401,440. Divided and this application August 30, 1944, Serial No. 551,929
4 Claims. (Cl. 95—8)

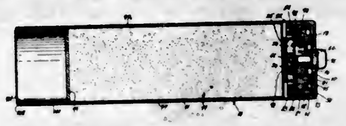
1. A composite transfer sheet comprising in combination a bottom base sheet of paper; a sheet of photo-sensitive emulsion coated on the upper face of said base sheet; a coating of nitrocellulose on the upper face of said emulsion; and a top layer of thermoplastic substantially transparent adhesive on the upper face of the nitrocellulose coating, said nitro-cellulose coating acting as a bonding between the adhesive and emulsion and permitting the emulsion to be activated by light falling on the top layer.

2,459,267

SELF-CONTAINED EMERGENCY SIGNALING DEVICE ADAPTED TO BE OPERATED AUTOMATICALLY AFTER BEING LAUNCHED

Martin Dwyer, Hewlett Harbor, and Philip B. Edwards, Port Washington, N. Y., assignors to Aerial Products, Inc., Merrick, N. Y., a corporation of Delaware

Application July 16, 1947, Serial No. 761,310
10 Claims. (Cl. 177—329)



1. A signalling device of the character described comprising a container, a signal within said container, explosive means within said container to expel said signal from said container, electrically operated means to fire said explosive means, chemical means distintegrable on contact with water to prevent operation of said electrically operated means for a predetermined time after contact with water, and frangible means to prevent access of water to said chemical means until said frangible means is destroyed.

2,459,268

BOREHOLE PRESSURE GAUGE

Lincoln F. Elkins, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application April 24, 1944, Serial No. 532,399
10 Claims. (Cl. 73—300)

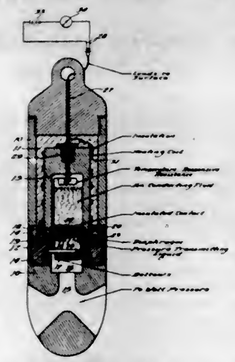
1. A pressure gauge for use in bore holes comprising a housing adapted to be lowered into a bore hole and having a first compartment containing a non-compressible liquid and a second compartment containing a known quantity of a compressible fluid, means for subjecting the liquid in said first compartment to the pressure existing in said bore hole, means for heating the fluid in said second compartment to increase the pressure thereof, a diaphragm disposed between said compartments, said diaphragm being responsive to difference between the pressures in said compartments, means actuated by said diaphragm for controlling said heating means, a

retaining the aforesaid members in alignment, and adjustable compression means mounted on the said pivot pin for regulating the degree of

away from each other so as to provide a continuous passageway for the free circulation of air between said plates and between and around

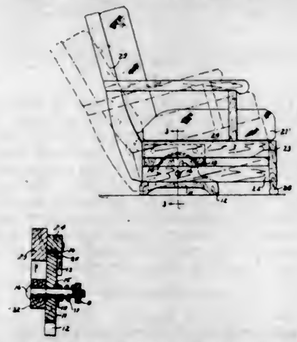
size receivable between the upper and lower molar teeth of a human being, said exposed handle portion being positioned to lie over the tongue of the patient, and a pair of spaced pro-

sponsive to difference between the pressures in said compartments, means actuated by said diaphragm for controlling said heating means, a source of electric energy, a temperature responsive resistance located within said second com-



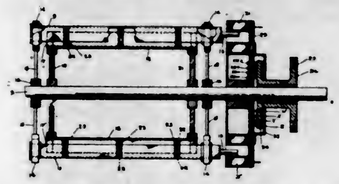
partment and connected to said source of electric energy, and means responsive to said temperature responsive resistance for indicating the temperature of the fluid within said second compartment whereby the pressure of the fluid may be determined.

2,459,269
RECLINING CHAIR
Ralph H. Ellsworth, Willoughby, Ohio, assignor to The Wolwin Chair Company, Willoughby, Ohio
Application October 12, 1944, Serial No. 558,320
3 Claims. (Cl. 155—77)



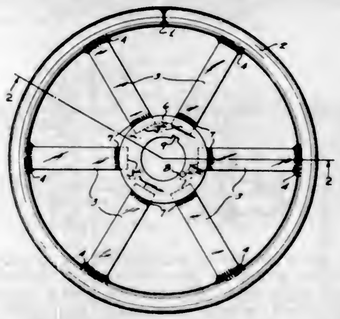
1. In a reclining chair, a base member having a first pivot hole therethrough and including a first friction surface perpendicular to the said pivot hole and a convex top concentric with the said pivot hole, a seat member having a second pivot hole therethrough aligned with the aforesaid first pivot hole, said seat member also having a lateral portion having a concave bottom concentric with the convex top and spaced therefrom and including a second friction surface perpendicular to the said pivot hole and frictionally engageable with the said first friction surface, the said lateral portion also having a depending flange adjacent to the said bottom portion and slidably engageable with the said base member, a pivot pin mounted in the aforesaid pivot holes retaining the aforesaid members in alignment, and adjustable compression means mounted on the said pivot pin for regulating the degree of frictional engagement between the said first and second friction surfaces.

2,459,270
ADVANCING REEL
William G. Esmond, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application June 21, 1947, Serial No. 756,179
10 Claims. (Cl. 28—71.7)



10. A reel for advancing helices of yarn axially, comprising a bearing, a rotatable shaft journaled in said bearing, springs carried by said shaft for rotation therewith, a plurality of spaced, circumferentially arranged, longitudinally extending bars for carrying the yarn along the reel mounted on said springs, spiders mounted on said shaft for rotation therewith, solenoids carried by said spiders for operating said bars, springs operatively connected to said bars, a plurality of solenoids mounted on said shaft, a plurality of concentric commutator strips for energizing said solenoids, and brushes electrically connected to said solenoids and said commutator strips whereby rotation of said reel effects the radial and axial reciprocation of said bars.

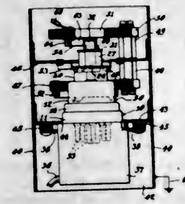
2,459,271
HANDWHEEL
Fred C. Fantz, Lima, Ohio, assignor to Midwest Piping & Supply Company, Inc., St. Louis, Mo., a corporation of Missouri
Application June 27, 1946, Serial No. 679,601
1 Claim. (Cl. 74—552)



A hand wheel comprising a rim, a series of inwardly extending spokes each welded at an end thereof to the inner circumference of said rim, and a pair of apertured plates forming the hub of said hand wheel, the inner ends of said spokes being positioned between said plates and spaced

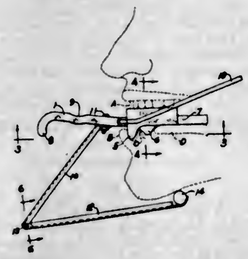
away from each other so as to provide a continuous passageway for the free circulation of air between said plates and between and around said inner ends of said spokes.

2,459,272
SOCKET
Roy C. Fox and Thomas N. Massey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 17, 1945, Serial No. 611,140
14 Claims. (Cl. 250—27.5)



1. A socket as characterized for support of an electronic tube, comprising a plurality of mountings in spaced parallelism to each other and each having an opening therein, said openings being disposed on a common axis, elongated band contact elements supported at longitudinal edges thereof by and bearing slidably upon said mountings and standing edgewise next said openings, said contact elements being rigid in an edgewise direction thereof and having parts thereof projecting inwardly of the openings and movable radially of the openings by flexing of said elements, whereby axial moment of force applied to an element by introducing a tube into said element toward the opening of the mounting is counteracted in rigid direction of the element by engagement of the element with the mounting and spreading of the element is obtained by the slidable bearing of said element on the mounting and flexing of the element.

2,459,273
SHOCK THERAPY MOUTH GUARD
Jacob Freedland, Detroit, Mich.
Application November 14, 1946, Serial No. 709,722
9 Claims. (Cl. 128—12)

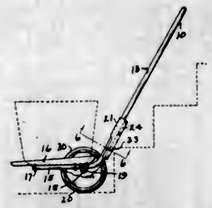


9. A shock therapy mouth guard comprising a rigid handle, a rubbery pad mounted thereon between the ends thereof and leaving the rear end portion of the handle exposed, said pad being of a size receivable between the upper and lower molar teeth of a human being, said exposed handle portion being positioned to lie over the tongue of the patient, and a pair of spaced projections from the lower surface of said pad, one of said projections being adapted to enter between the lower forward teeth and the tongue and the other between the lower forward teeth and the lower lip of the patient, and an adjustable clamp extending downwardly from said handle forward of said pad and adapted to engage beneath the chin of the patient.

2,459,274
MANDOLIN PICK
Hyman Galetsky, New York, N. Y.
Application January 10, 1945, Serial No. 572,195
3 Claims. (Cl. 84—320)

1. A mandolin pick comprising a relatively stiff resilient sheet member having a central large portion, a small sharp prong on the bottom of said central portion, and a small handle portion on the top of said central portion, said sheet member being formed of separate front and back layers and means for adjustably connecting them together to vary the stiffness of said prong.

2,459,275
HAND TRUCK WITH STAIR CLIMBING SHOE
John C. Gates, Indianapolis, Ind.
Application September 27, 1947, Serial No. 776,459
4 Claims. (Cl. 280—47)



1. A hand truck comprising a wheel mounted frame having a pair of side rails normally upwardly extending, and a shiftable shoe on each of said rails, each shoe comprising a box-like member encircling the rail to have a forward side slidably engaging the rail and a rear or under bearing side, and a spring interconnecting said rail and said member in a manner to increase the tension on the spring upon relative downward travel of the shoe along the rail, whereby the spring will tend to return the shoe to an upper normal position of rest.

2,459,276
PRESS AND DIE THEREFOR
Lee Granat, San Francisco, Calif.
Application November 7, 1945, Serial No. 627,236
1 Claim. (Cl. 101—4)

In apparatus, for impressing inscriptions on the internal surface of an annular member, having a supporting frame, a bolster plate fixed on

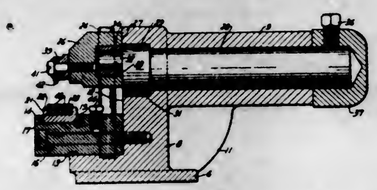
the frame provided with a guide groove traversing the longitudinal axis of the frame, and a die

2,459,278
DEVICE FOR CONVERTING A SAW-TOOTH-SHAPED VOLTAGE OF A COMPARATIVELY

hingedly mounted on the base, capable of being folded there-against, and including a transverse guide pin mounted therein opposite the hinge,

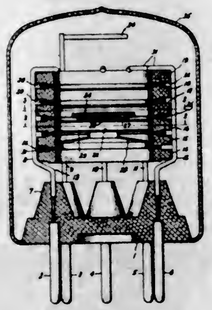
2,459,282
RESISTOR AND SPARK PLUG EMBODYING SAME
Edgar C. McDougal, Flint, Karl Schwartzwalder, Dayton, and Robert E. Wilson, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 31, 1945, Serial No. 638,511
5 Claims. (Cl. 123—169)

the frame provided with a guide groove traversing the longitudinal axis of the frame, and a die adapted to enter said annular member and positioned above and movable in a linearly vertical path intersecting said bolster plate guide groove; a die block in and slidable longitudinally of said guide groove, said die block having therein a plurality of aligned recesses shaped to conform with and to receive dissimilar chordal masses of respective annular members, a leaf spring having a portion thereof secured in said guide groove and



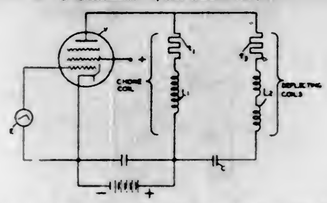
engaging said die block to frictionally resist movement of the die block in the guide groove, said die having an impression element thereon engageable with said annular member and said die block recesses being successively registrable with the path of movement of the die when the die block is moved along the guide groove, and a stop element threadedly engaged with the bolster plate and interposed between the latter and the die for variably regulating the degree of relative approach of the die and die block.

2,459,277
ELECTRODE SUPPORT STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
Gerald G. Halstead and Richard B. Russ, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application December 3, 1946, Serial No. 713,796
14 Claims. (Cl. 250—27.5)



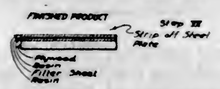
1. An electric discharge device including an envelope, a plurality of lead-in conductors sealed through said envelope and supported in a generally circular array, a plurality of insulating spacers mounted in a stack within said array of conductors, a plurality of electrodes having marginal portions received respectively between adjacent insulators of said stack, and means at the upper end of said conductors engaging the upper end of said stack holding said insulators and said electrodes in assembled relation.

2,459,278
DEVICE FOR CONVERTING A SAW-TOOTH-SHAPED VOLTAGE OF A COMPARATIVELY LOW FREQUENCY INTO A SAW-TOOTH-SHAPED CURRENT
Johan Haantjes, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee.
Application July 16, 1946, Serial No. 684,081
In the Netherlands March 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires March 20, 1962
3 Claims. (Cl. 315—27)



1. A device for converting a sawtooth-shaped voltage of comparatively low frequency into a sawtooth-shaped current in the deflecting coils of a cathode ray tube preferably serving for the image deflection, the sawtooth-shaped voltage being supplied to a discharge tube having a high internal resistance whose output circuit includes the deflecting coils which have connected in parallel with them a choke-coil through which flows at least part of the direct-current component of the sawtooth-shaped output current of the discharge tube, in which device the inductance of this choke coil is approximately equal to $10r_2T$, r_2 representing the resistance of the deflecting coils and T the period of the sawtooth-shaped current.

2,459,279
PROCESS FOR PLASTIC COATING
Robert W. Holden, Burbank, Calif., assignor to Laminating Specialties, Inc., Burbank, Calif., a corporation of California
Application June 24, 1947, Serial No. 756,659
9 Claims. (Cl. 154—99)

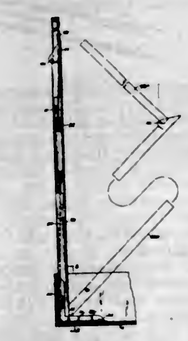


1. A process for producing a laminated article, comprising the steps of coating a flat or contoured platen with a polyester base resin in liquid form, exposing the resin to ultra-violet light to harden the resin as a pre-jell against the platen while the exposed surface of the resin remains "tacky," bringing a base into contact with the exposed resin surface, heating the resin while maintaining it under pressure between the base and the platen, and subsequently stripping the platen from the resin and base.

2,459,280
FOLDING SUPPORT
Morris Lange, University Heights, and Martin Spiegel, Shaker Heights, Ohio, assignors to Superior Funeral Supply Corporation, Cleveland, Ohio, a corporation of Ohio
Application November 6, 1946, Serial No. 708,100
2 Claims. (Cl. 248—159)

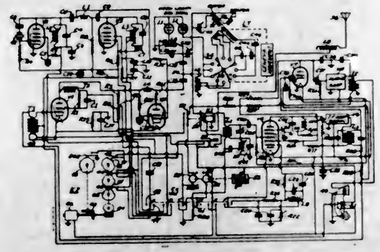
1. A folding support comprising in combination, a base, a hollow support having one end

hingedly mounted on the base, capable of being folded there-against, and including a transverse guide pin mounted therein opposite the hinge, and an axially extending open shoe formed on the other end thereof, a hollow arm hingedly mounted on the end of the support within the open shoe and limited to 180° flexing movement



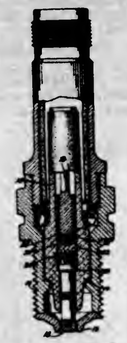
with reference to the said support by the said shoe, and a coil spring positioned within the hollow support, having one end attached to the arm opposite the hinge and the other end attached to the base after passing over the guide pin and capable of causing the support and arm to assume a co-axial position perpendicular to the base when released from their folded condition.

2,459,281
TWO-WAY RADIO EQUIPMENT FOR LIFEBOAT SERVICE
Joseph F. McDonald, Bronx, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 8, 1945, Serial No. 571,904
8 Claims. (Cl. 250—13)



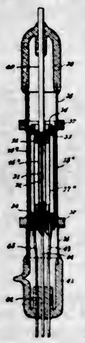
7. In the receiver portion of a two-way radio communication system a plurality of tube stages having an automatic gain control circuit connected to their input electrodes, a hand-set of the type which includes a microphone and an earphone, a push-to-talk switch for conditioning the transmitter of said system to emit a carrier wave modulated by voice signals which originate at said microphone, and means including a self-biasing circuit associated with at least one of the tubes in said transmitter for supplying a bias potential to said gain control circuit, whereby the receiver tube stages are blocked during the operation of said transmitter.

2,459,282
RESISTOR AND SPARK PLUG EMBODYING SAME
Taine G. McDougal, Flint, Karl Schwartzwalder, Holly, and Alexander S. Rulka, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1943, Serial No. 488,114.
22 Claims. (Cl. 315—58)



1. The combination of a sleeve of ceramic insulating material, a resistance within and closing the passage through the sleeve and comprising a mixture of glass and carbon black fused in place and thermally bonded to the sleeve, and a seal comprising a mixture of glass and conducting material overlying one end of the resistance element fused in place and thermally bonded to the resistance and to the sleeve and protecting the element from the atmosphere.

2,459,283
POSITIVE GRID OSCILLATOR
John W. McNall, East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 13, 1944, Serial No. 530,889
11 Claims. (Cl. 315—5)



1. A positive grid oscillator having electrodes in parallelism to each other, said electrodes comprising a cathode, an electron pulling electrode and two grids therebetween of which one is a control grid adapted to be positive with respect to the cathode and the other is a selector grid, the spacing of said electrodes being related to the electron transit time and oscillating cycle such

that round-trip electron transit time from selec-

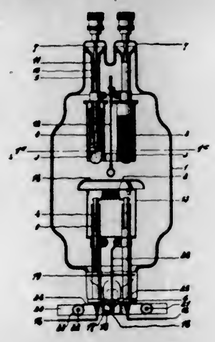
2,459,285
COMBINATION TOOTHBRUSH AND

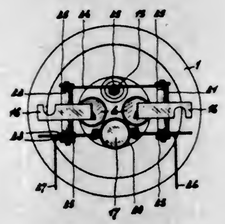
gagement with said shoulders, each of said insulators being provided with a central bore, said housing being provided with an aperture there-

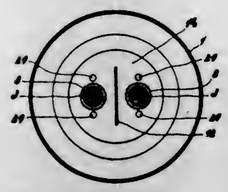
which the acid radical of the salt is in quantity of from over three to less than six equivalents, and magnesium sulphate in the proportion of over

that round-trip electron transit time from selector grid to electron pulling electrode and back to said selector grid is substantially the same time required for 180° phase shift of the said selector grid.

2,459,284
DEVICE COMPRISING A CURRENT CONVERTING TUBE
Johannes Gijsbertus Wilhelm Mulder, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application July 20, 1946, Serial No. 685,208
In the Netherlands January 30, 1943
3 Claims. (Cl. 250—27.5)





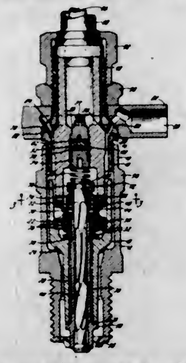


1. A gaseous discharge current converting tube comprising a closed vessel having a gaseous filling, and containing a cathode, a plurality of anodes, and a cathode screen mounted between the cathode and the anodes, the cathode screen having a number of sections corresponding to the number of anodes, a voltage-divider connected between the cathode and each anode, and means connecting each cathode screen section to an intermediate point of the corresponding voltage-divider between the cathode and the associated anode.

2,459,285
COMBINATION TOOTHBRUSH AND DENTIFRICE RECEPTACLE
Donard Murphy, New York, N. Y.
Application February 23, 1946, Serial No. 649,479
3 Claims. (Cl. 132—84)

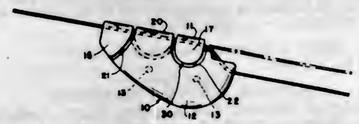
1. For use with a dentifrice container, a fully enclosed combination toothbrush and dentifrice receptacle comprising a separable toothbrush, a brush protecting tube removably secured thereto, a cap, the toothbrush having a bristled head, a short shank and a tubular handle removably secured at one end to the shank, the other end of the tubular handle being open and being capable of admitting the dentifrice container within the bore of the handle, said tubular handle having a longitudinal groove in its bore and a longitudinal slot extending through its wall and being provided with a dentifrice ejector consisting of a plate positioned within the handle, an ejector shank joined at one end to the plate and extending through the slot, and a knob on the outer end of the ejector shank, whereby the knob can be grasped and moved in the slot toward the open end of the tubular toothbrush handle, thus moving the plate and ejecting the dentifrice container, the cap closing the open end of the handle and being removably secured thereto, and the brush protecting tube having an open end and fitting about the bristled head and the shank of the toothbrush.

2,459,286
COMBINATION SPARK PLUG AND FUEL INJECTOR
Hector Rabezzana, Flint, Mich., and Francis J. Wiegand, Ridgewood, N. J., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 27, 1944, Serial No. 537,602
15 Claims. (Cl. 123—169)



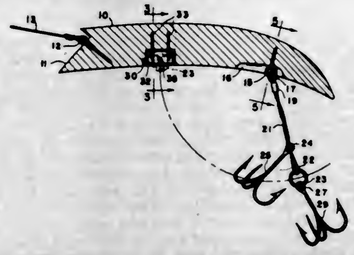
6. In a fuel injection spark plug the combination of a tubular housing having inwardly extending shoulders adjacent its ends, insulators in the ends of the housing, each in sealing engagement with one of said shoulders, the adjacent ends of said insulators being spaced from each other to provide a passage therebetween, means yieldingly urging the insulators into engagement with said shoulders, each of said insulators being provided with a central bore, said housing being provided with an aperture therethrough communicating with the passage between said insulators, a combination center electrode and fuel injector in one of said bores, an electrode on the housing cooperating with said center electrode, and a conductor in the other of said bores in conducting relation with the said center electrode.

2,459,287
RELEASABLE WEIGHT
Sam E. Robbins and Frank L. Larson, Seattle, Wash.
Application December 18, 1944, Serial No. 568,668
4 Claims. (Cl. 43—52)



1. A releasable weight for fishing lines, comprising: a body member having a longitudinal passage therethrough for the threading therein of fishing line, and releasable clamp means adjacent an end of said passage and disposed wholly within the surfaces of said body for gripping a line threaded through said passage.

2,459,288
RELEASABLE HOOK MEANS FOR FISH LURE
Sam E. Robbins and Frank L. Larson, Seattle, Wash.
Application December 18, 1944, Serial No. 568,669
2 Claims. (Cl. 43—46)

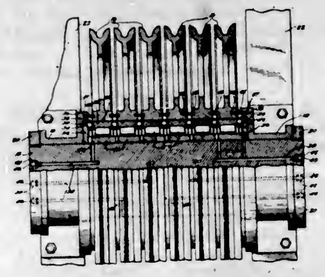


2. A fishing plug, comprising: an elongated body having an under socket adjacent the forward portion thereof, a snood having one end attached to the rear portion of said body and a ring on the other end, means in said socket to receive and releasably retain said ring whereby the snood is stretched below and along said body, hook means slidably carried by said snood, and hook means carried by said ring.

2,459,289
BASIC ALUMINUM SALT SOLUTIONS
Victor H. Rochrich, St. Paul, Minn.
No Drawing. Application March 24, 1945, Serial No. 584,731
3 Claims. (Cl. 167—90)

3. A composition of matter comprising an aqueous solution of a basic aluminum salt in which the acid radical of the salt is in quantity of from over three to less than six equivalents, and magnesium sulphate in the proportion of over one-third molecule of magnesium sulphate for each two atoms of aluminum.

2,459,290
PULLEY BLOCK AND BEARING ASSEMBLY
Joseph J. Roxner, Chicago, Ill., assignor to Aetna Ball & Roller Bearing Company, Chicago, Ill., a corporation of Illinois
Application August 30, 1945, Serial No. 613,501
2 Claims. (Cl. 254—192)



1. In a multiple pulley block and bearing assembly, the combination comprising a shaft; substantially rigid support means secured to and carrying the ends of the shaft; a plurality of sheaves having hubs; bearing means supporting the sheaves in side-by-side relationship upon the shaft for rotation relative thereto and relative to one another, said bearing means for each of the sheaves including an outer roller race secured in the hub of the sheave and having integral end flanges thereon extending inwardly in a radial direction, a plurality of rollers mounted within each of said races and axially positioned between said end flanges, means providing inner races for said rollers so that the radial forces of the sheaves are carried thereby, said outer roller races having adjacently disposed annular ball bearing races in the ends thereof, end thrust ball race rings carried by said substantially rigid support means at opposite ends of the plurality of outer races and having ball bearing races therein aligned with the ball races in the ends of said outer races, series of ball bearings mounted between said adjacently disposed ball races and between said end thrust ball race rings and the adjacent outer races so that end thrust forces are transmitted to and carried by said substantially rigid support; spacer rings for each series of ball bearings for maintaining the ball bearings of each series in relatively uniform circumferentially spaced relationship; means comprising a series of annular rings individually carried by the support means at one end of the plurality of sheaves and by each of said sheaves and extending into annular recesses in adjacent ones of the sheaves and the support means at the other end of the plurality of sheaves for retaining lubricant around said bearings; and means including a plurality of passages in said shaft in approximate alignment with each of said series of ball bearings for lubricating the bearings.

2,459,291
MANUFACTURE OF SHAPED TEXTILE

photo-electric cathodes and an anode, an output circuit for said photocell, said circuit including

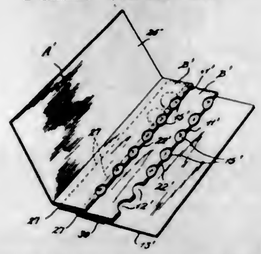
the edges thereof, a pressure chamber around said envelope, and means for establishing fluid

discharge tube adapted to break down upon application of a predetermined voltage, and the

2,459,291
MANUFACTURE OF SHAPED TEXTILE MATERIALS
George Schneider, Montclair, N. J., and Alfred J. Steinberger, Jamaica, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 9, 1946, Serial No. 653,431
16 Claims. (Cl. 18—47.5)

1. The method of producing shaped articles from formed textile materials containing a thermoplastic organic derivative of cellulose, which comprises treating said formed textile materials with a solution of a plasticizer for the organic derivative of cellulose in a volatile solvent for the plasticizer, drying the plasticized textile materials, extracting the plasticizer from the textile materials, and then processing the extracted materials to shape.

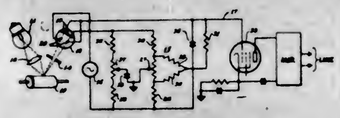
2,459,292
HOLDER FOR CARFARE TOKENS
William A. Sherbondy, Shaker Heights, Ohio
Application May 2, 1945, Serial No. 591,470
1 Claim. (Cl. 206—56)



A one-piece holder and dispenser for disk-like articles comprising, a single sheet of material reversely folded a plurality of times intermediate its ends to provide a plurality of fold portions of different widths adapted to lie upon each other in staggered relationship and integral front and back portions adapted to cover said fold portions thereby forming a substantially book-like folder, the said fold portions each being adapted to receive disk-like articles between the two sides thereof, the staggered folded edges of the said fold portions having apertures spaced longitudinally thereof, the dimensions of said apertures longitudinally of said folded edges being less than the diameter of the disk-like articles so that the articles placed within the fold portions are held therein with portions of their edges exposed through said apertures, the said folded edges being constructed to rupture adjacent the said apertures on the application of force to the exposed portions of the disk-like articles, and means for securing the two sides of each of the fold portions together adjacent the unexposed edges of the articles therein thereby preventing accidental displacement of the articles.

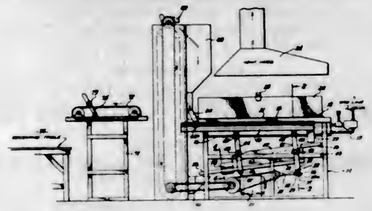
2,459,293
SIGNAL GENERATOR OR MODULATOR
John R. Shonnard, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application August 15, 1946, Serial No. 690,822
3 Claims. (Cl. 250—41.5)

1. In a photocell modulator, in combination, a photocell provided with electrodes including two photo-electric cathodes and an anode, an output circuit for said photocell, said circuit including one of said cathodes, a source of alternating electromotive force and means comprising a balancing network connected between said source and said output circuit for generating a modulated



carrier in said output circuit upon equal light modulation of both of said cathodes, said network including the space paths between electrodes of said photocell and also including external impedances connected to said source and the electrodes of said photocell.

2,459,294
SHINGLE DIPPING MACHINE
Webster S. Sidwell, Los Angeles, Calif., assignor to Evertite Roof Corporation, Los Angeles, Calif., a corporation of California
Application February 25, 1946, Serial No. 650,086
12 Claims. (Cl. 91—46)

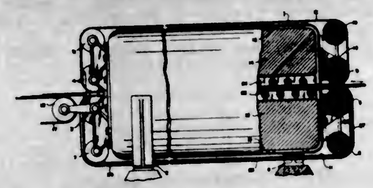


1. In a machine for dipping shingles, the combination of: a vessel for holding liquified asphaltic compounds; means within said vessel for limiting the depth to which a shingle may be dipped therein; a trough having an inlet end and an outlet end, and adapted to hold mineral granules wherein said shingles may be subsequently dipped; agitating means operatively connected with said trough for arcuate oscillation thereof in a vertical plane whereby said granules are maintained in a fluid state receptive to said shingles and are moved toward said outlet end; screening means adapted to receive said granules from said outlet end and to separate from said granules any asphaltic-granule agglomerates resulting from dipping shingles into such granules, said screening means being operatively connected to said agitating means for agitation thereby; and means for conveying said separated granules from said screening means to said inlet end of said trough.

2,459,295
APPARATUS FOR THE FLOW MANUFACTURE OF SHEET MATERIAL
Per F. Skeog, Olympia, Wash.
Application May 6, 1944, Serial No. 534,492
8 Claims. (Cl. 154—1)

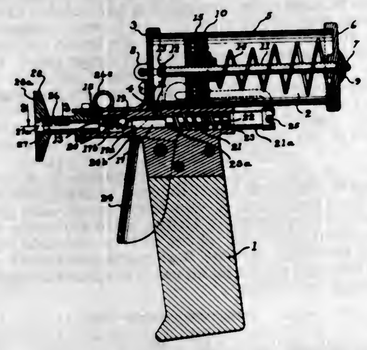
1. A press having two endless belts with portions thereof placed in opposition to form a flowing envelope, endless sealing strips flowing with said belts, each strip having a portion placed between opposed faces of said belts and adjacent

the edges thereof, a pressure chamber around said envelope, and means for establishing fluid



under pressure in said chamber and on the exterior sides of said envelope.

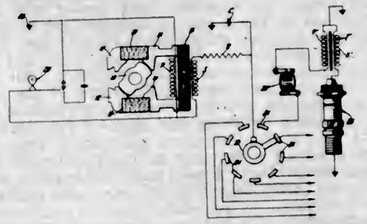
2,459,296
FILLER GUN
Willis E. Smith, Springfield, Oreg.
Application August 25, 1945, Serial No. 612,649
1 Claim. (Cl. 18—3.5)



A plastic applying device comprising, in combination, a reservoir, a dispensing nozzle, means for expressing plastic material from said reservoir through said dispensing nozzle, a plastic applicator nozzle pivotally attached to said dispensing nozzle, a notched flange extending radially from said applicator nozzle, a pair of spaced lugs extending radially from the end of said dispensing nozzle and adjacent said flange, and a spring fixed relative to said dispensing nozzle and having a free end extending longitudinally thereof, the free end of said spring being biased to nest between said lugs and in a selected notch in said flange to lock said applicator nozzle relative to said dispensing nozzle.

2,459,297
IGNITION SYSTEM
Lucian B. Smith, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 29, 1945, Serial No. 625,245
5 Claims. (Cl. 315—255)

1. An ignition circuit comprising a source of alternating current, a step-up transformer having its primary in series with the source, a damping resistance and a condenser in series with the secondary of the transformer, a second step-up transformer, and a discharge circuit for the condenser comprising a distributor, an electrical discharge tube adapted to break down upon application of a predetermined voltage, and the

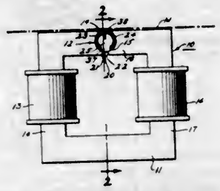


primary of said second step-up transformer, the secondary of said second transformer having a spark discharge device in series therewith.

2,459,298
PLASTIC COMPOSITIONS MADE WITH VULCANIZED, POLYETHYLENE GLYCOL ESTERS AS PLASTICIZERS
Paul Stamberger, Stamford, Conn.
No Drawing. Application November 17, 1944, Serial No. 563,989
2 Claims. (Cl. 106—180)

1. A plastic composition consisting of a thermoplastic film-forming material from the class consisting of cellulose esters and cellulose ethers and as a plasticizer, vulcanized polyethylene glycol ester of an unsaturated long chain fatty acid having at least 16 carbon atoms in the chain and at least one double bond.

2,459,299
MAGNETIC TRANSDUCER WITH SEPARABLE POLE FACES
William P. West, Philadelphia, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application July 20, 1946, Serial No. 685,049
11 Claims. (Cl. 179—100.2)

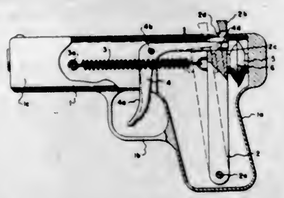


10. A magnetic head comprising a yoke structure including a magnetic core with a gap therein, said gap having a generally circular shaped portion and a generally rectangular shaped portion, the latter providing the core with end sections disposed in generally parallel confronting relationship, a generally cylindrical pole-piece unit mounted in said circular shaped portion of the gap and including a pair of substantially C-shaped pole pieces and a generally cylindrical member supporting said pole pieces with their end portions in adjacency, a shim disposed on said support and extending radially therefrom and in engagement with adjacent end portions of the pole pieces to establish a definite spacing there-

between, a boss disposed on said support and projecting radially therefrom and in engagement with other adjacent end portions of the pole pieces to separate said other end portions and to effect seating engagement between the first-mentioned end portions and the shim, and an element provided on said boss and extending in the rectangular portion of the gap between the mentioned end sections of the core to prevent the pole-piece unit from rotating beyond desired limits in said circular gap portion.

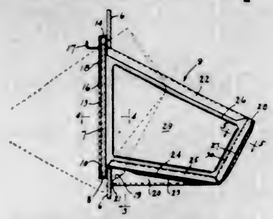
11. For a magnetic head including a magnetic core provided with a gap having a generally circular portion and a generally rectangular portion, the latter providing the core with end sections disposed in generally parallel confronting relationship, a generally cylindrical pole-piece unit mountable in said circular portion of the gap and including a pair of substantially C-shaped pole pieces and a generally cylindrical member supporting said pole pieces with their end portions in adjacency, a shim disposed on said member and extending radially therefrom and in engagement with adjacent end portions of the pole pieces to establish a definite spacing therebetween, a boss disposed on said support and projecting radially therefrom and in engagement with other adjacent end portions of the pole pieces to separate said other end portions and to effect seating engagement between the first-mentioned end portions and the shim, and an element provided on said boss and adapted for insertion in the rectangular portion of the gap between the end sections of the core to guide the mounting of the pole-piece unit in the circular portion of the gap and to prevent the pole-piece unit, when so mounted, from rotating beyond desired limits in relation to the circular gap portion.

2,459,300
NOISEMAKING DEVICE
Darwin M. Wolf, Long Beach, Calif.
Application November 4, 1946, Serial No. 707,613
2 Claims. (Cl. 46—174)



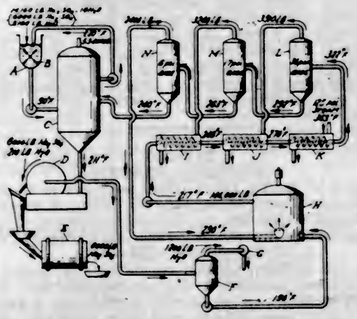
1. In a noise producing toy of the class described the combination of a frame in the form of a pistol, a lever pivoted in said frame, a vacuum cup in rigid connection with said frame, a second vacuum cup in connection with said lever engageable face to face with said first mentioned vacuum cup, a spring in connection with said lever tending to force said vacuum cups apart, a trigger pivotally connected with said frame and having a sear portion engageable with said lever, arranged to hold said lever in cocked position with said vacuum cups engaging each other, firing operation of said trigger releasing said lever from said cocked position, the tension of said spring then causing the lever to suddenly separate the engaged vacuum cups and thereby to produce a sharp smacking noise.

2,459,301
TILTABLE BIN
Ralph D. Adams, Inglewood, Calif., assignor of one-half to Thomas A. Feeney, Los Angeles, Calif.
Application May 26, 1945, Serial No. 596,041
3 Claims. (Cl. 312—155)



3. In a cabinet having upper and lower panels defining an opening, the combination of a bin provided with sides having rearwardly converging top and bottom edges, with a bottom and with a front plate overlapping the outside of the upper and lower panels, the forward edges of the tops of the sides of said bin being normally free of the bottom edge of said upper panel, and the forward part of the bottom of said bin normally resting on said lower panels and pivoting the bin, the bottom of said bin being provided with tapering projections normally bearing against the rear of the lower panel and spaced from the portion of the plate overlapping the front of the lower panel a distance to accommodate the lower panel thereby to pivot said bin on the upper edge of said lower panel, said projections cooperating with the plate engaging the outside of the upper panel to form the sole support for, and prevent horizontal movement of, the bin, said bin being movable to open and closed position by tilting.

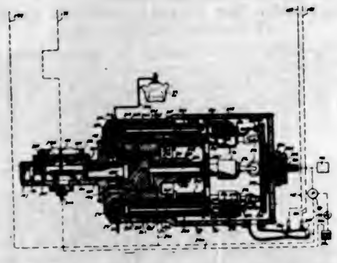
2,459,302
CONCENTRATION OF SALTS HAVING MINIMUM SOLUBILITIES AT TEMPERATURES ABOVE THOSE OF THE INITIAL SOLUTIONS
David Aronson, Pine Bluff, Ark., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application December 10, 1942, Serial No. 468,531
15 Claims. (Cl. 23—121)



1. The process of separating a solute from a solution thereof in a solvent in which the solute has solubility characteristics including a point

of minimum solubility corresponding to a temperature above that of the initial solution and a concentration less than that of the initial solution and having increasing solubility with increasing temperature above the point of minimum solubility comprising diluting the solution to a solute concentration less than that corresponding to its minimum solubility and heating the solution while maintaining the concentration below saturation to a temperature above that corresponding to its minimum solubility, and then evaporating at least sufficient solvent therefrom that crystallization of the solute would normally occur on changing its temperature to the point of minimum solubility.

2,459,303
FLUID METERING SYSTEM
Thomas A. Baker, Logansport, Ind.
Original application May 12, 1942, Serial No. 442,711. Divided and this application December 24, 1942, Serial No. 470,014
7 Claims. (Cl. 103—37)



1. A variable capacity pump comprising, in combination, a pump chamber, means for entrapping fluid in said pump chamber and discharge same therefrom, variable means associated with the pump chamber for varying the amount of fluid entrapped in and discharged from said chamber, positionable means for operating the variable means through a range of positions to govern the quantity of fluid flowing into and out of the pump chamber, first control means responsive to the quantity of fluid flowing to the pump chamber, operable control means, fluid pressure actuating means for governing the moving and the repositioning of the positionable means, fluid valve means including a fluid valve having two relatively movable parts for controlling the fluid pressure actuating means, means for actuating one of said valve parts by the first control means and for actuating the other of said valve parts by the operable control means, whereby said fluid pressure actuating means and the positionable means are governed both by the fluid flowing into the pump chamber and by the operable control means.

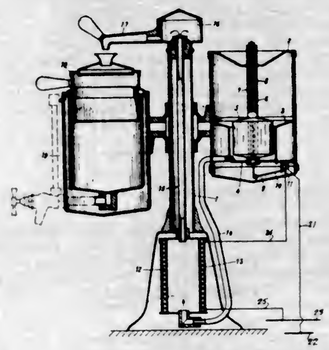
2,459,304
MEDICAL VIAL STOPPER FOR INSURING STERILE NEEDLE PUNCTURES
Frederick Blank, New York, N. Y.
Application August 28, 1946, Serial No. 693,542
8 Claims. (Cl. 128—272)

1. A hygienic vial closure for multiple injections, comprising a container stopper of soft, pliable and impervious material with a plurality

of individual sterile areas distributed over its upper surface, and cover means normally protecting the individual areas to retain normally

their sterility and adapted for removal individually to expose areas in succession when it is desired to pierce the stopper therethrough.

2,459,305
APPARATUS FOR MAKING INFUSIONS
Willi Brandl, Zurich, Switzerland
Application March 30, 1945, Serial No. 585,618
5 Claims. (Cl. 99—281)



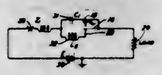
1. In an apparatus for making infusions, such as coffee or tea, a vertical hollow column, a heating chamber provided with an electric heating element arranged in the lower portion of said hollow column, a vertical pipe extending from said heating chamber upwardly toward the upper end of said hollow column, a discharge spout for heated water rotatably mounted on the upper end of said hollow column and in continuous communication with said vertical pipe, an open cold water container extending laterally from said column and fixedly secured thereto at an elevation above said heating chamber, a pipe connecting the bottom of said cold water container with the bottom of said heating chamber for conducting water by gravity into said heating chamber, a float in said cold water container, an electric switch, means operatively connecting said float with said electric switch whereby said switch will be automatically opened when the float touches the bottom of said cold water container and will be automatically closed when the float is lifted from said bottom, as by water poured into said open cold water container, and conductor means connecting said switch in circuit with said electric heating element and with a source of electric power.

the engaged vacuum cups and thereby to produce a sharp smacking noise.

has solubility characteristics including a point

618 O. G.—54

2,459,306
CONTACT PROTECTION FOR MERCURY WETTED SWITCH CONTACTS
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 21, 1944, Serial No. 545,985
2 Claims. (Cl. 175—294)



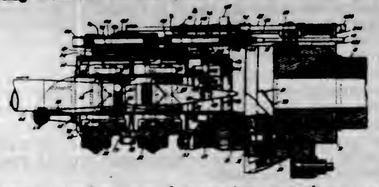
1. In combination, contacts for making and breaking an electrical circuit, a pool of mercury, means leading from said pool of mercury to one of said contacts for supplying mercury to said contacts, the surfaces of said contacts being formed to retain mercury thereon, means for moving said contacts toward and away from each other whereby the resistance between said contacts while in contact with each other is extremely low due to the thickness of the column of mercury formed therebetween but which varies through a wide range to a comparatively high value during the movement apart of said contacts due to the drawing out of a fine thread of mercury before a complete break in contacts between said contacts, and an electrical network providing means for transiently limiting the flow of current through said contacts during the said transient high resistance periods of the operation of said contacts, said network including an inductance element in series with said contacts, and a capacitor bridged about the said series combination of contacts and inductance element.

2,459,307
CABLE AND THE LIKE SUPPORTING STRUCTURES
Wilmer H. Churchill, Saugus, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application April 29, 1944, Serial No. 533,418
6 Claims. (Cl. 248—74)

1. A cable harness clamp comprising a resilient band having an intermediate base portion and terminal ends adapted to be connected to form a closed loop for engaging an article therein, a mounting member having a bridge portion and a spaced base portion, a swivel connection between said bridge portion and band base, the base of said mounting member being slotted to receive part of a tongue-type fastener member for attaching the mounting to a support.

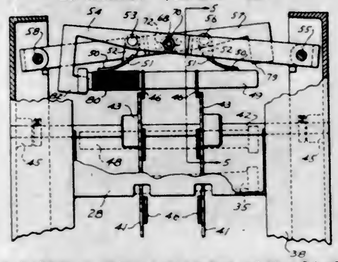
2,459,308
FUSE SETTING AND RAMMING MECHANISM
Frank E. Cole, Manchester, William V. Goodhue, Ipswich, and Roland Heeley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application October 30, 1945, Serial No. 625,516
12 Claims. (Cl. 89—6.5)

1. In combination, a breech-loading gun, a fuse-setting and a ramming device mounted in tandem on said gun, said devices being constructed and arranged to act successively upon a round of two-part ammunition, the fuse-setting device being nearest to the gun, said ramming device



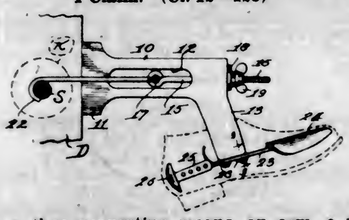
having similar round-engaging members positioned serially behind the fuse-setting device and spaced by a sufficient distance so that said members will engage the two parts of the round respectively.

2,459,309
BOBBIN SORTING APPARATUS
Louis M. Cotchett, Hingham, Mass., assignor to Foster Machine Company, Westfield, Mass., a corporation of Massachusetts
Application July 11, 1944, Serial No. 544,451
16 Claims. (Cl. 209—72)



1. A bobbin sorting apparatus of the kind described and including in combination conveying means for directing the bobbins to be sorted toward a sorting station. detecting means engageable with a bobbin and moveable longitudinally thereof for progressively exploring the surface of each bobbin at said sorting station, and selective means rendered operative by said detector means for directing bobbins in one direction when said bobbins contain any residual yarn, and in another direction when said bobbins are bare of residual yarn.

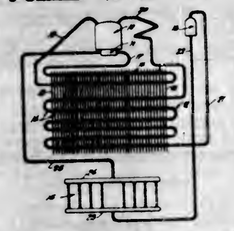
2,459,310
SHOE POLISHING BRACKET AND TREE
Ira B. Crow, Los Angeles, Calif.
Application August 12, 1947, Serial No. 768,211
1 Claim. (Cl. 12—123)



In a shoe supporting means, an arm, a pair of door knob spindle-engaging hooks, releasable

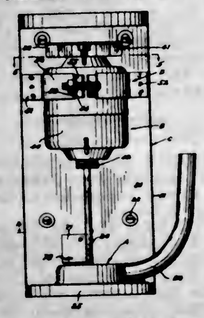
means on said arm adapted to draw said hooks into engagement with a door lock spindle and clamp the end of said arm against the edge of a door and means provided to extend within a shoe carried by the outer end of said arm for supporting the shoe.

2,459,311
MOTOR COOLING SYSTEM
Gordon M. De Jarlais, Evansville, Ind., assignor to Seeger Refrigerator Company, a corporation of Minnesota
Application May 15, 1946, Serial No. 669,756
5 Claims. (Cl. 62—115)



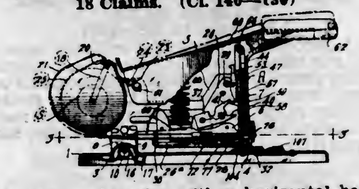
1. The method of refrigeration which comprises withdrawing vapor from an evaporator directly into a compressor located outside of a motor housing, compressing the vapor and discharging the superheated and compressed vapor directly from the compressor into a preliminary cooling condenser, partially condensing the vapor and consolidating the oil entrained therewith into droplets in said condenser and conducting the partially condensed vapor and oil from the condenser into an upper part of the housing of a motor driving said compressor and having a housing separate from said compressor, causing the condensed liquid refrigerant and oil to run down in the motor housing to cool the motor parts, the refrigerant again evaporating in this cooling operation, and the oil being separated and collected in an oil sump, and discharging the vapor substantially without oil from the top of the motor housing into a main condenser, where it is cooled and liquefied for use in the evaporator.

2,459,312
LIQUID CIRCULATOR
Bryant Essick, Los Angeles, Calif.
Application September 15, 1945, Serial No. 616,513
2 Claims. (Cl. 103—87)



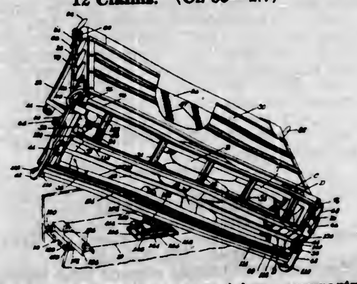
1. In combination a vertical frame member, a motor carried by the frame member and having a depending shaft, a liquid handling pump carried by the frame below the motor and including a case member with a central inlet opening into which the shaft extends with clearance and a rotor in the case member driven by the shaft, there being a peripheral outlet opening in said case, a vertically disposed baffle plate above the case member carried by one of the members and extending radially relative to the shaft to a point in the vicinity of the inlet opening to check circular motion of liquid in the vicinity of said opening.

2,459,313
STAPLING MACHINE
Frederick Franz, West Haven, Conn., assignor to The Bates Manufacturing Company, West Orange, N. J., a corporation of New Jersey
Application May 25, 1945, Serial No. 595,677
18 Claims. (Cl. 140—130)



1. The combination with a horizontal base, a frame thereon, a device mounted on said frame for vertical reciprocatory movement to act upon wire, and a support for a wire supply, of means above said base for pulling wire from said supply and for feeding it to a predetermined position to be acted upon by said device, said means including a plurality of cooperative wire-gripping elements normally to grip said wire between them, said elements being relatively bodily movable in planes substantially parallel to said base so that they may be moved apart and the wire may be manually grasped with one hand and while the grasp is retained may be pulled from said supply and placed in proper relation to said elements to be gripped between them when they are moved toward each other, means for actuating at least one of said elements to feed said wire from said supply to said predetermined position, and means holding said wire-gripping elements normally in wire-gripping relation.

2,459,314
ROCKET LAUNCHER
William V. Goodhue, Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 15, 1946, Serial No. 683,674
12 Claims. (Cl. 89—1.7)



1. A rocket launcher comprising a magazine, a

fuse-setting and a ramming device mounted in

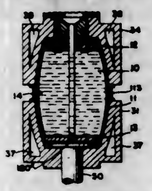
of door knob spindle-engaging hooks, releasable

launching way arranged to support a rocket in firing position, said magazine being inclined downwardly toward said launching way whereby rockets are fed by gravity into firing position from said magazine, means for firing a rocket when in firing position, said means comprising a firing circuit having terminals arranged to be engaged by corresponding terminals on the rocket in firing position, a switch, and means actuated by a rocket during its movement into firing position for closing said switch.

2,459,315
PROCESS FOR PREPARING METAL SALTS OF PENICILLIN
Moses Wolf Goldberg, Upper Montclair, and Sidney Teitel, Rutherford, N. J., assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 19, 1945, Serial No. 606,024
7 Claims. (Cl. 260—302)

1. A process for preparing penicillin salts of alkali and alkaline earth metals which comprises reacting penicillin dissolved in a substantially anhydrous organic solvent with an organo metallo compound of the group consisting of alkali metal and alkaline earth metal dialkyl malonates, alkyl acetoacetates and acetylacetone.

2,459,316
METHOD FOR MANUFACTURING BILGE BARRELS
Clarence U. Grameispacher, Jasper, Ind.
Application October 29, 1945, Serial No. 625,357
4 Claims. (Cl. 29—160)

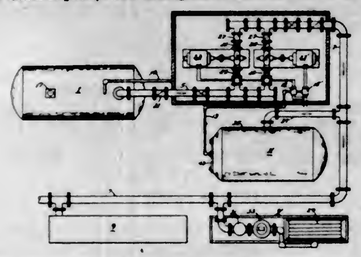


1. A method of manufacturing a barrel-shaped vessel which includes precutting sheets of wood or the like to form in each sheet a plurality of joined staves, arranging a plurality of said sheets in face engagement with adhesive therebetween, disposing the engaged sheets in the form of a cylindrical shell loosely around a closed metal container, positioning heads of wood or the like adjacent the closed ends of said metal container and within the wood-sheet shell, disposing the thus arranged metal container, heads, and shell between dies having their interior surfaces of a barrel-shaped form, closing the dies to contract the ends of the wood-sheet cylinder and retain the said heads therein, applying pressure within the metal container to expand and permanently deform the same against said retained heads and the assembly of wood sheets and simultaneously to expand the said sheets outwardly against the interior surfaces of the closed dies, and causing the adhesive to set while maintaining the assembly in its final shape.

2,459,317
FUELING SYSTEM
Albert J. Granberg, Oakland, Calif.
Application February 7, 1944, Serial No. 521,467
2 Claims. (Cl. 103—25)

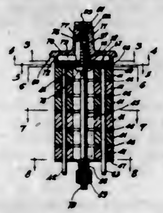
1. A pressure and liquid storage tank assembly comprising a tank having an inlet and outlet for

liquid to be stored therein, an independent removable chamber in said tank having flexible walls exposed to said liquid to provide a cushion for said liquid, said independent removable cham-



ber having an initial volume approaching that of said storage tank in the absence of liquid in said tank, and an outlet connection through a wall of said tank from said independent removable chamber for connection to a pressure switch.

2,459,318
FILTER
William W. Hallinan, Racine, Wis.
Application June 10, 1946, Serial No. 675,765
6 Claims. (Cl. 210—120)



1. A filter assembly comprising a supporting member said member comprising a disc having an axially extending lug, said lug being provided with a filter assembly outlet leading to the lower side of said disc, a centrally located rod threaded into said member and having a threaded member providing a retaining shoulder, a supporting plate having an aperture for said rod and engaged by said shoulder, said plate also having filtrate apertures, a lug depending from said supporting member surrounding said rod and a depending cylindrical wall carried by said supporting member, and a filter screen having an annular gasket surrounding said rod and a second annular gasket located at the edge of said screen to be clamped between said cylindrical wall and said plate when the gasket surrounding said rod is clamped between said lug and said plate.

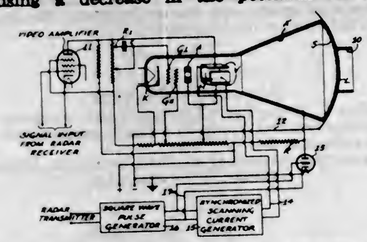
2,459,319
CATHODE-RAY OSCILLOSCOPE
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 11, 1944, Serial No. 558,200
19 Claims. (Cl. 315—30)

3. The method of operating a cathode ray oscilloscope having a fluorescent target and a second anode, which comprises applying periodically recurring signal waves to an electrode of said oscilloscope, raising the potential on said second anode during periods in which said signals

a motor carried by the frame member and hav-

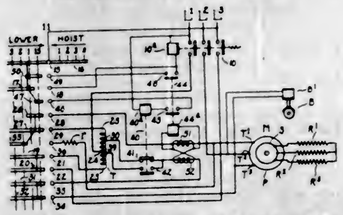
1. A rocket launcher comprising a

are being applied to said oscilloscope, and causing a decrease in the potential on said



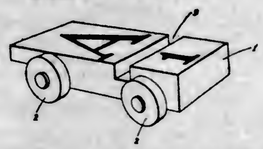
second anode during intervals between said periods.

2,459,320
CONTROLLER FOR ALTERNATING CURRENT MOTORS
Richard B. Hunter and Eric Pell, Shorewood, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 14, 1945, Serial No. 634,943
13 Claims. (Cl. 318—363)



1. In combination, a polyphase alternating current motor subjected to overhauling loads, a power supply circuit therefor, an autotransformer, means to connect said autotransformer between the primary of said motor and said supply circuit to effect voltage unbalance of the motor primary, causing said motor at zero speed to produce a small torque in a direction opposite to that in which the overhauling load tends to move, and means associated with the former means to establish motor connections including said autotransformer which afford for spotting or checking the load a substantial increase in the aforesaid motor torque.

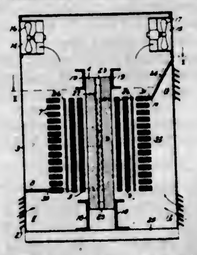
2,459,321
EDUCATIONAL TOY
Dorothy E. Johnson, Sacramento, Calif.
Application October 5, 1946, Serial No. 701,556
1 Claim. (Cl. 35—69)



In combination, a plurality of toy units, each unit comprising a relatively flat block, wheels journaled on the sides of the block and supporting the same, the block being provided with a groove cut downwardly from the upper face of the block and in substantial parallelism with the wheel axes transversely of the longitudinal axis of the block,

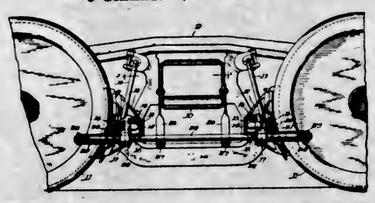
and a bar to be positioned in said slots to line the blocks up in side by side parallel relation; the top faces of the blocks containing selected educational indicia.

2,459,322
STATIONARY INDUCTION APPARATUS
Gorman J. Johnston, Bellevue, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 16, 1945, Serial No. 583,053
9 Claims. (Cl. 175—361)



3. Stationary induction apparatus comprising a core provided with windings thereon, said windings being spaced to provide lateral and longitudinal passages therebetween, said windings being arranged substantially symmetrically about a longitudinal plane through said core and windings, a casing surrounding said core and said windings and provided with an inlet in a first portion thereof and an outlet in a second portion thereof, and a baffle structure having a substantially step-shaped cross section in a plane normal to said longitudinal plane, said baffle structure extending between walls of said casing and having an aperture in alignment with said longitudinal passages, the edge of said aperture being adjacent said windings whereby said baffle and said windings cooperate to separate said casing portions, said longitudinal passages providing a rectilinear path for the flow of cooling fluid between said casing portions.

2,459,323
BRAKE BEAM SAFETY SUPPORT
Lawrence W. Kass, Chicago, Ill., assignor to Grip Nut Company, Chicago, Ill., a corporation of Illinois
Application February 28, 1945, Serial No. 580,145
6 Claims. (Cl. 188—210)



1. In a brake beam safety support for brake rigging comprising a pair of brake beams, each including a compression member and a tension member and swingable hangers for supporting the brake beams, the combination of single piece brackets, one adjacent each hanger and each having a body portion disposed between the compression and tension members and extending down below the same, each said bracket being

formed with a laterally projecting horizontal flange at its upper end resting on the associated

exert a force on said field structure in the direc-

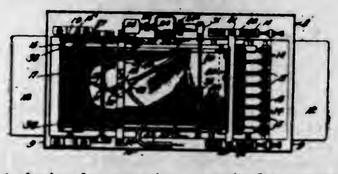
restraining said lock-out means, automatic means

section being adapted to cover the inner surfaces, the tops and the exterior surfaces of the

1. A pressure and liquid storage tank assembly comprising a tank having an inlet and outlet for

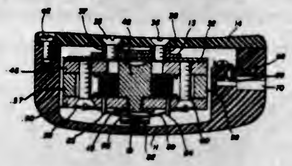
formed with a laterally projecting horizontal flange at its upper end resting on the associated compression member, and each said bracket having a hook-like seat member arranged to underlie the associated tension member, said seat member having a concave seat paralleling the tension member, brake beam positioning rods extending through the brackets below the brake beams and locking them upon the brake beams, with the compression member confined between said flange and positioning rod, and auxiliary supporting means for supporting the positioning rods in the event of failure of a hanger.

2,459,324
PAN GREASING MACHINE
Paul Kellner, New York, N. Y., assignor to Dukay Machinery Corporation, New York, N. Y., a corporation of New York
Application July 18, 1946, Serial No. 684,399
7 Claims. (Cl. 91—44)



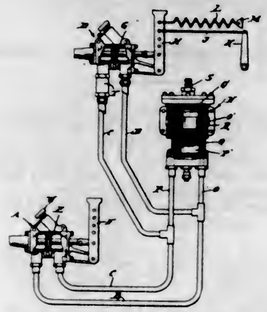
1. A device for greasing receptacles comprising a movably mounted belt of foraminous material, means for imparting longitudinal movement to the belt, a source of grease supply, means for distributing liquid grease on the foraminous belt so as to be carried thereby, means for supporting the receptacles to be coated on one side of the foraminous belt and means for imparting an air blast to the other side of the foraminous belt to spray liquid carried by the belt onto the receptacles.

2,459,325
BONE CONDUCTION UNIT
Hugh S. Knowles, River Forest, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application October 27, 1944, Serial No. 560,667
2 Claims. (Cl. 179—107)



1. A bone conduction unit including a driving structure and a casing surrounding said driving structure, said driving structure including a magnetic field structure, a pole piece supported in said field structure and an armature supported on said magnetic field structure in normally spaced relationship to said pole piece to permit vibration of said armature in response to those variations in density of magnetic flux from said pole piece corresponding to audio signal currents impressed on said field structure, said armature being connected to a first region on said casing to transmit vibrations to said casing, a spring element interposed between a second region on said casing and on the side of said field structure opposite said armature and positioned to exert a force on said field structure in the direction of said armature, and an adjusting element associated with said spring to vary the force exerted on said field structure.

2,459,326
PULSATOR SYSTEM
Arthur E. Kremiller, Glendale, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application November 19, 1945, Serial No. 629,646
2 Claims. (Cl. 60—54.5)

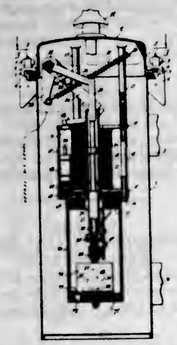


1. In a pulsator system for actuating a spring loaded control element, a transmitter unit including a cylinder and piston assembly and a means for reciprocating said piston; a receiver unit including a cylinder and piston assembly in which the piston is adapted for operative connection with said control element so that the spring load thereon is imposed on said piston, fluid lines connecting the cylinders of said units so that the receiver piston will move responsive to movement of said transmitter piston; a tubular valve body member connected in one of said lines, an annular elastic valve seat of circular cross section mounted in the bore of said body member, a valve member movable from a seated position within said seat in either direction to open the bore of said body member to the passage of fluid therethrough, and a pair of springs mounted in said body member for holding the valve member seated against forces externally applied to said receiver piston when the transmitter unit is not in operation and arranged so that one or the other will yield and allow the valve to open when the transmitter unit is operated to force fluid through said one line in one direction or the other.

2,459,327
AUTOMATIC RECLOSING CIRCUIT BREAKER
William D. Kyle, Jr., Milwaukee, and Carl Schindler, Wauwatosa, Wis., assignors to Line Material Company, a corporation of Delaware
Original application June 6, 1941, Serial No. 396,850. Divided and this application July 17, 1943, Serial No. 495,117
8 Claims. (Cl. 200—89)

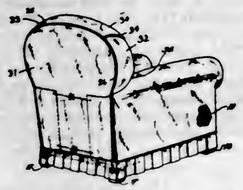
1. In a device of the class described, an electric switch normally biased towards closed position, normally inactive lock-out means for moving said switch to open position and for locking said switch in open position, biasing means biasing said lock-out means towards switch open position, a latch, said lock-out means having a latching lever normally engaged by said latch for

restraining said lock-out means, automatic means for moving said latch to release said latching lever, and manual means for moving said latch-



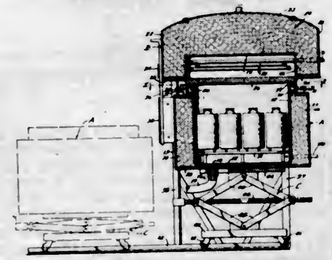
ing lever with reference to said latch to release said latching lever while said latch remains stationary.

2,459,328
SLIP COVER
Lionel C. Lens, Chicago, Ill., assignor to Sam Pass, Chicago, Ill.
Application October 4, 1945, Serial No. 620,309
1 Claim. (Cl. 155—182)



A slip cover for an article of stuffed furniture provided with front and back legs, a seat, arms and a back rest, said cover comprising two separately positionable and unconnected cover sections, the first of said sections comprising a baglike enclosure including connected front and rear panels and shoulder cover panels adapted to be drawn down over the back rest of the article to cover the front and rear surfaces and shoulders of the back rest and having surplus material at the lower edge of the forward panel adapted to be tucked into the space between the rear edge of the seat of the article and the adjacent portion of the back rest, said rear panel extending down to the lower portion of the rear of the chair and having a tubular piping extending over the top of the rear panel and down its sides to terminate at the bottom corners thereof, the lower edge of each shoulder cover panel and the lower portion of the adjacent side edges of the forward panel being free and adapted to be tucked into the spaces between the forward face of the back rest and the rear ends of the arms of the article, the second section of the slip cover comprising connected panels for covering the front of the article and the seat and the arms thereof, the seat cover panel of said second section being provided with a flap at the rear edge adapted to be tucked into the space between the rear of the seat and the lower portion of the back rest of the article, the arm cover panels of said second section being adapted to cover the inner surfaces, the tops and the exterior surfaces of the arms of the article and being provided with rear extensions adapted to be drawn partially across the rear of the article beneath said rear panel of said first section and having means for securing said extensions together at the rear of the article for preventing forward displacement of the said second section with respect to the article, the rear edges of the arm cover panels that cover the inside and top portions of the arms of the article being adapted to be tucked into the respective spaces between the rear and ends of the arms and the contiguous portions of the back rest of the article, and drawstrings extending loosely through the piping of the rear panel of said first section and projecting from the ends for securing said rear panel of the first cover section to the rear chair legs and over the rear extensions of said second cover section and for holding said rear panel under tension and preventing upward displacement of said first cover section.

2,459,329
DEHYDRATION DEVICE
Sidney O. Levinson and Franz Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation, a corporation of Illinois
Application May 29, 1944, Serial No. 537,780
2 Claims. (Cl. 34—76)



1. A device adapted for use in the drying of frozen materials, comprising a container having heat insulated walls and adapted to contain the materials to be treated, a closure for said container and having heat insulated walls, said container and closure being provided with sealing surfaces which are frusto-conical in shape, a resilient sealing member between said surfaces, means within said closure for refrigerating the interior of said container when said closure is in place thereon, and means for positioning said closure with respect to said container so that said sealing surfaces are positioned with respect to each other, said poistioning means including a wall exterior of and spaced from the interior wall of said container so as to provide an insulating space therebetween, said wall of the positioning means having at its top edge an inclined surface which is adapted to engage said closure to position the container with respect to the closure.

2,459,330
CONTROL SWITCH FOR SYNCHRONIZERS AND THE LIKE
George Albert Ley, Chicago, Ill.
Application October 23, 1944, Serial No. 559,987
5 Claims. (Cl. 200—153)

1. In a manually actuable circuit control switch, a housing, a pair of terminal members mounted

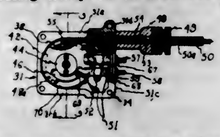
on said housing and having a pair of flexible contact elements extending into said housing, one

site sides of said annulus, one of said coatings extending from the outer edge of said annulus

the auxiliary air compressor, and optionally controlled means whereby air under pressure may

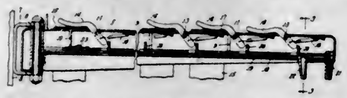
latches when the latches are in predetermined positions and the hub is in a position holding the collapsible reel segments in uncollapsed posi-

on said housing and having a pair of flexible contact elements extending into said housing, one of said contact elements being longer than the other; a non-conductive rotatable member journalled in said housing; a spring connected to said rotatable member and adapted to impel the same into contacting position; a metal switch plate on the peripheral portion of said rotatable member, said plate being adapted to connect said contact



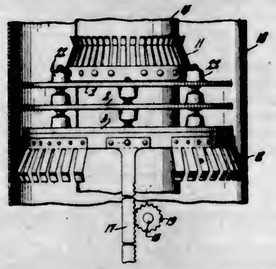
elements when said rotatable member is released in one direction; an outwardly curved cam member on said rotatable member, said cam member, on retracting movement of said rotatable element, being adapted to engage and flex outwardly one of said contact elements and thereby prevent said switch plate from closing the circuit of said contact elements during such return movement.

2,459,331
RACK FOR NECKTIES
Jack Linenthal, Chicago, Ill.
Application April 27, 1946, Serial No. 665,487
4 Claims. (Cl. 211—89)



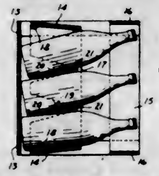
1. A necktie rack comprising a supporting bar, a series of necktie gripping elements pivotally mounted on the bar and having gripping portions overlying the bar, means individual to each gripping element yieldingly urging the overlying portions toward the bar, means carried by the bar to lift the overlying portions away from the bar to permit removal of a necktie held therebetween, and latch means operable to latch said gripping portions in lifted position.

2,459,332
CONDENSER
William E. McCown, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 5, 1946, Serial No. 659,707
9 Claims. (Cl. 175—41)



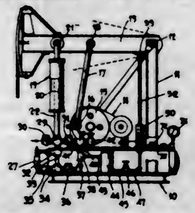
1. A condenser comprising an annulus of dielectric material, coatings of highly electrically conducting metallic material deposited on opposite sides of said annulus, one of said coatings extending from the outer edge of said annulus to a circular marginal area free of said coating and located adjacent the central aperture of the annulus, the other coating extending from the central aperture of the annulus to a circular marginal area free of said coating and located adjacent the outer edge of the annulus, said annulus having its inner and outer edges free of metallic material, an annular brush mechanically linked and electrically connected to one coating, and another annular brush mechanically linked and electrically connected to the other coating, said annular brushes having different diameters.

2,459,333
COMBINED SHIPPING AND DISPLAY CASE FOR BOTTLES
Floyd C. McKinley, Shaker Heights, Ohio
Application December 29, 1945, Serial No. 637,914
14 Claims. (Cl. 217—19)



1. A bottle case having an open top and a side upon which it may be stood, bottle positioning members within the case spaced from the bottom and sides and defining spaces to receive rows of bottles, said members forming fulcrums about which bottles may tilt by gravity to inclined positions when the case is stood upon its side, and spacers interposed between rows of bottles below said fulcrum members, said spacers being mounted for lateral movement with the bottles toward said side wall.

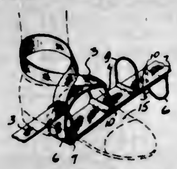
2,459,334
METHOD AND MEANS FOR PUMPING AIR IN AIR BALANCED PUMPING UNITS
Edgar W. Patterson and Clifford D. Spracher, Downey, Calif.; said Spracher assignor to said Patterson
Application October 9, 1944, Serial No. 557,870
17 Claims. (Cl. 74—41)



1. In combination with a pump jack having a walking beam; a balance cylinder and piston interposed between said beam and a fixed support whereby air may be compressed within the cylinder as the beam oscillates, a conduit through which said air under pressure may be discharged, a storage tank receiving said air under pressure, an auxiliary air compressor actuated by oscillation of the walking beam, a conduit leading from the auxiliary air compressor to the storage tank, a conduit connecting the balance cylinder and

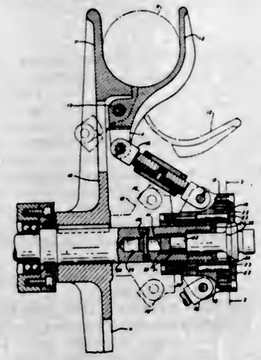
the auxiliary air compressor, and optionally controlled means whereby air under pressure may be delivered from the balance cylinder to the auxiliary air compressor to complete a multistage compression of air delivered from the compressor to the storage tank.

2,459,335
HOLDING ATTACHMENT IN COFFINS OR THE LIKE
Oscar C. Pope, Petaluma, Calif.
Application January 27, 1947, Serial No. 724,660
2 Claims. (Cl. 27—1)



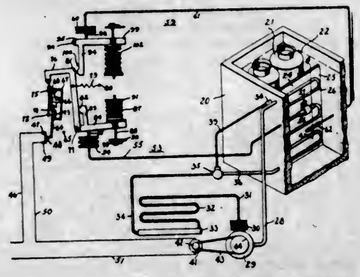
1. A coffin attachment for preventing displacement of a body in the coffin, comprising a strap made of flexible material, a pair of spaced rings on one side of the strap adapted to extend between the feet of said body; a pair of rings on the other side of the strap and spaced outside the respective first rings and located outside each foot when said strap is wound around the respective feet and through said rings in sequence, and securing elements on the strap for connection with the sides of the coffin.

2,459,336
COLLAPSIBLE REEL
Paul R. Powell, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,819
6 Claims. (Cl. 242—111)



1. A collapsible reel, which comprises a shaft, a rigid reel section carried by the shaft, a plurality of collapsible reel segments carried by the rigid reel section, said collapsible reel segments being movable between collapsed positions and uncollapsed positions, a hub mounted slidably on the shaft, a plurality of links for connecting the hub to the collapsible reel segments, a plurality of rigid latches carried by the hub for pivotal movement with respect to the hub, said shaft having portions serving to interlock with the latches when the latches are in predetermined positions and the hub is in a position holding the collapsible reel segments in uncollapsed positions, means for urging the latches toward said predetermined positions, said latches being pivotable to positions in which they clear the shaft, each of the latches being provided with a camming portion, and a plunger having camming portions for engaging the camming portions of the latches to move the latches out of interlocking engagement with the interlocking portions of the shaft.

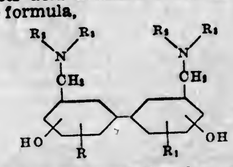
2,459,337
LIQUID COOLER INCLUDING CONTROL APPARATUS FOR LIMITING ICE FORMATION THEREON
Estel C. Raney, Delaware, Ohio, assignor to Ranco Incorporated, Columbus, Ohio, a corporation of Ohio
Application June 1, 1945, Serial No. 597,040
4 Claims. (Cl. 62—7)



2. The method of operating a refrigeration system, including a heat absorber immersed in a body of a normally liquid medium and a circulator connected to said absorber to supply refrigerant thereto, said method comprising controlling the operation of said circulator by variations in the temperature of said absorber as long as the medium, at a predetermined point spaced from the heat absorber, is in the solid phase and causing the presence of the medium in liquid phase at said point to cause operation of the circulator until the liquid is converted at said point into the solid phase.

2,459,338
AMINO METHYL PHENOLS
Albert L. Rawlins, Grosse Pointe Woods, Walter F. Holcomb, Detroit, Eldon M. Jones, Grosse Pointe Woods, Frank H. Tendick, Grosse Pointe Park, and Joseph H. Burckhalter, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application April 22, 1944, Serial No. 532,372
7 Claims. (Cl. 260—570.9)

2. A compound of the class consisting of a free base and its acid addition salts, said free base having the formula,



where R is a member of the class consisting of

alkyl and alkenyl, R_1 is a member of the class consisting of alkyl, and alkenyl, and R_2 and R_3 are alkyl containing not more than 6 carbon

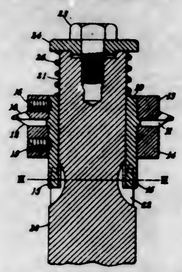
electron tubes connected in circuit with said source and the motor armature for alternately conducting successive half-waves of energy from

ures between about 10% to about 30% of the original mass by weight and said comminuted infusible residue measuring from 70–90% by

formed out of said nozzle, the openings of said nozzle and gas-collecting tube lying substantially

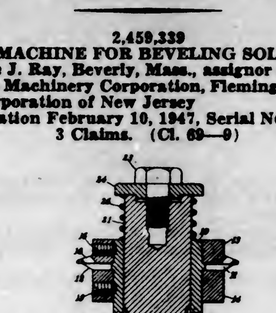
alkyl and alkenyl, R_1 is a member of the class consisting of alkyl, and alkenyl, and R_2 and R_3 are alkyl containing not more than 6 carbon atoms.

2,459,339
MACHINE FOR BEVELING SOLES
Eugene J. Ray, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application February 10, 1947, Serial No. 727,703
3 Claims. (Cl. 69—9)



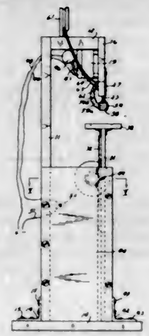
1. In a machine for beveling unattached soles, a work-supporting table, a rotating supporting means arranged to rotate about an upright axis, a cutter surrounding said rotating supporting means in telescopic relation thereto and arranged to slide up and down with respect thereto, the cutter having peripheral cutting teeth above the plane of the table and a hub extending above and below said teeth, a collar affixed to said hub above said teeth and extending radially beyond them to ride on the upper face of a sole and thereby support the cutter, and another collar carried by said hub below said teeth to guide the perimeter of the sole, said rotating supporting means and said hub having interengaged elements arranged to drive the cutter and permit it to slide up and down in response to variations in the thickness of the margin of the sole.

2,459,340
ELECTRONIC ENERGY CONVERSION AND CONTROL SYSTEM
James B. Reeves, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 14, 1944, Serial No. 531,090
25 Claims. (Cl. 318—345)



25. In combination, an alternating current source, a direct current motor, a pair of gaseous electron tubes connected in circuit with said source and the motor armature for alternately conducting successive half-waves of energy from said source to said armature during the positive half cycles of the alternating current voltage impressed upon the respective tube by said source, each of said tubes having a cathode, an anode and a control electrode, means to provide a periodic potential varying substantially linearly from a minimum to a maximum during said voltage half cycles and to drop substantially instantaneously to said minimum at the end of said half cycles, means to superimpose a unidirectional potential upon said periodic potential, and means to impress the resultant of said last-named potentials between the cathode and control electrode of each tube for varying the moments when each such tube becomes conducting during the respective positive half cycles.

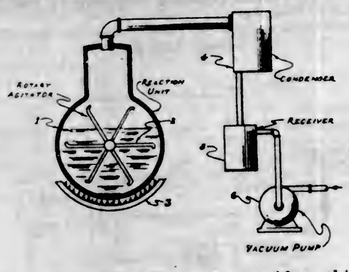
2,459,341
FLUXMETER
Valoran Russell, Morton Grove, Ill.
Application August 13, 1945, Serial No. 610,610
7 Claims. (Cl. 175—183)



1. In apparatus for determining the flux density in the air gap of a permanent magnet speaker comprising means for supporting a permanent magnet speaker with its diaphragm and voice coil removed, means simulating the removed voice coil, means for linearly vibrating said simulating means in the air gap of said speaker through a substantially constant stroke and at a substantially constant frequency, and means responsive to the effective value of the induced voltage in said simulating means for indicating the relative flux density in said air gap.

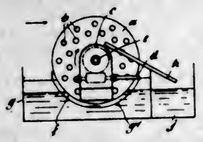
2,459,342
COMMINUTED DRYING OIL RESIDUES
William F. Schaufelberger, Pleasant Grove, N. J., assignor to Irvington Varnish and Insulator Company, a corporation of New Jersey
Application March 8, 1944, Serial No. 525,615
8 Claims. (Cl. 260—407)

1. Method of obtaining a comminuted, infusible residue from a drying oil having an iodine number in excess of 120 (Wijs) and substantially free of conjugated double bonds which comprises distilling such an oil at a temperature between 610°–700° F. under reduced pressure ranging downwardly from 5 inches of mercury pressure and with continuous agitation until the quantity by weight of distillate removed therefrom measures between about 10% to about 30% of the original mass by weight and said comminuted infusible residue measuring from 70–90% by weight of the original oil is obtained.



7. A comminuted infusible residue obtained from a drying oil having an Iodine No. in excess of 120 (Wijs) and substantially free of conjugated double bonds, said residue produced by distilling said oil at a temperature between 610° F. to about 700° F. under reduced pressure ranging downwardly from 5 inches of mercury pressure and with continuous agitation until the quantity of distillate removed therefrom is between about 10%–30% of the original mass by weight and said residue measuring between about 70%–90% by weight of the original mass is obtained.

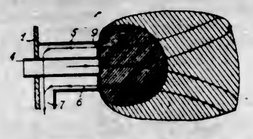
2,459,343
MEANS OF AUTOMATICALLY REMOVING FERROUS AND OTHER PARTICLES FROM LIQUID
Arthur Scrivener, Birmingham, England
Application September 14, 1944, Serial No. 554,120
In Great Britain April 25, 1944
1 Claim. (Cl. 210—1.5)



A device of the class described comprising, in combination, a rotatable disk, means for driving said disk continuously in one direction, a conduit for carrying in contact with a portion of said disk a stream of liquid containing magnetizable particles, magnetized rods extending transversely through said disk and having their ends on one side of the disk substantially in a single plane and their ends on the other side of the disk substantially in a single plane, and scrapers for removing particles from the ends of the rods after they emerge from the stream of liquid.

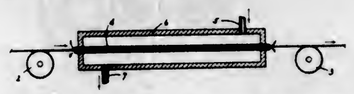
2,459,344
GAS PRODUCER
Fernand Sepulchre, Paris, France
Application March 17, 1945, Serial No. 583,340
In France January 28, 1943
2 Claims. (Cl. 48—118.5)

1. In combustion with an air gas producer, the provision of a furnace, a nozzle adapted to inject combustive material continuously into said furnace and a gas-collecting pipe mounted coaxially with said nozzle and adapted to remove the gases formed out of said nozzle, the openings of said nozzle and gas-collecting tube lying substantially



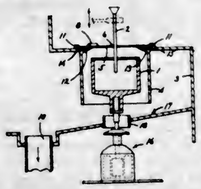
in the same plane perpendicular to the axis of the nozzle.

2,459,345
METHOD OF DRYING FIBROUS MATERIAL
Wayne A. Sisson, Silverside, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 14, 1945, Serial No. 582,713
29 Claims. (Cl. 34—23)



1. The method of drying fibrous articles of indefinite length and having at least one small dimension comprising continuously passing the moisture-laden article through a substantially closed channel having an entrance and exit for the article, maintaining the walls of the channel at a temperature above the boiling point of the liquid carried by the article at the prevailing atmospheric pressure in the vicinity of the entrance and exit of the channel, evaporating the liquid on the article as it passes through the channel while maintaining the vapor in contact therewith until the moisture-content throughout the article closely approaches an equilibrium condition with respect to the vapor in the channel and discharging the article from the channel while enveloped with some of the vapor into an unheated atmosphere in which the vapor is freely dissipated while leaving the article in a dry condition but with an appreciable amount of moisture therein.

2,459,346
LOCK LID FOR BOX COMPARTMENTS
Donald C. Thompson, Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application November 12, 1946, Serial No. 709,389
9 Claims. (Cl. 57—76)



1. In combination, a centrifugal spinning pot, means for guiding filamentary material into the pot, a protective member surrounding the pot, a cover for the protective member, a recess around the upper rim of the protective member, a flange extending downwardly from said cover seating in said recess, and means for clamping said flange against its seat in said recess.

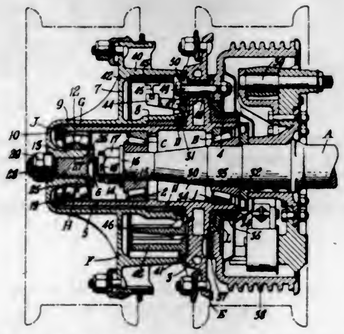
2,459,347
DUAL WHEEL ASSEMBLY

2,459,349
MOTOR CONTROL SYSTEM WITH LATCHING

means responsive to operation of said auxiliary device for maintaining said driving means in driving operation irrespective of subsequent

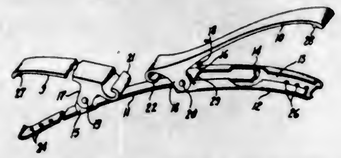
united to the outer layer, the lower end of the tibial section being closed, a foot rest block of wood attached to the closed lower end of the

2,459,347
DUAL WHEEL ASSEMBLY
Charles P. Tolman, Kew Gardens, N. Y., assignor to Differential Wheel Corporation, Detroit, Mich., a corporation of Delaware
Application May 25, 1946, Serial No. 672,326
1 Claim. (Cl. 301—36)



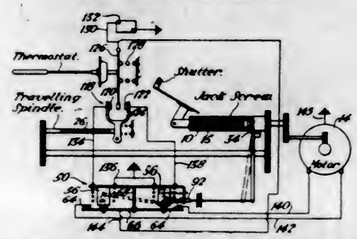
In a dual wheel structure for vehicles, an axle, an inner wheel having a hub surrounding and rotatively mounted on the axle and having interiorly of its outer end a bearing, a lock ring for preventing outward movement of said bearing, an outer wheel having a hub surrounding and rotatively mounted on the inner wheel hub, said outer wheel hub having an end rotatively supported on the interiorly positioned bearing of the inner wheel hub, a stud having an inner end engaging the bearing and an outer end removably carrying a head abutting and clamping the outer face of the outer end of the outer wheel hub, whereby the outer end of said outer wheel hub is held against outward movement from said bearing and the bearing is held against inward movement longitudinally of said inner wheel hub.

2,459,348
SHOE FASTENER
Richard Webb and Charles V. Webb, Los Angeles, Calif.
Application March 19, 1947, Serial No. 735,697
6 Claims. (Cl. 24—68)



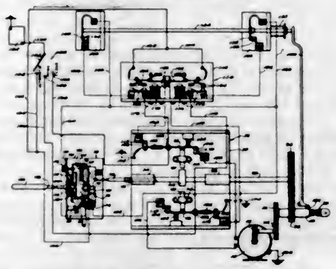
1. A pair of levers having juxtaposed curled ends adapted to be brought into a clasping relation with each other, means each having one end portion secured to an eyelet on each side of a cleft portion of a shoe, the other end portions of said means having a telescopic interlocking relation with each other, a pair of upstanding ears carried by one of said means intermediate its ends, a pair of upstanding ears carried by the other means adjacent its unattached end, pairs of flanges depending from the side edge portions of said levers adjacent their curled ends and embracing said pairs of ears, and means pivotally securing said pairs of ears and flanges together.

2,459,349
MOTOR CONTROL SYSTEM WITH LATCHING RELAYS
Victor Weber, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application May 31, 1943, Serial No. 489,180
15 Claims. (Cl. 318—31)



1. In a driving mechanism, the combination with a direct current electric motor, a control switch therefor, means for operating said switch with gradual action, of a rotatable shaft driven by said motor, an electromagnetic device for relaying current between said switch and motor, said device having an armature movable to attracted position upon operation of said switch and being subject to chattering during said gradual action, latching means operatively engageable with said armature for maintaining said armature in attracted position, means biasing said latching means toward latching position, and means operated intermittently from said shaft into operative engagement with said latching means for overcoming said biasing means to release said armature.

2,459,350
AUTOMATIC REVERSING CONTROL FOR ELECTRIC MOTORS
Victor Weber, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Application August 6, 1943, Serial No. 497,613
4 Claims. (Cl. 318—31)



1. A control system for cowl flap or shutter actuators, comprising driving means for the actuator, a control device movable between positions for starting and stopping said driving means actuating means for said control device and being operable to stop said driving means, thermally responsive means for operating said control device between said positions to start said driving means, an auxiliary control device operable in response to movements of the first said device from one position to another,

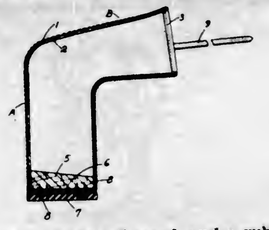
means responsive to operation of said auxiliary device for maintaining said driving means in driving operation irrespective of subsequent movement of said control device by said actuating means from said one position to another to stop said driving means, means operated from said driving means and cooperable with said control device for rendering said maintaining means ineffective after a predetermined period but being adapted to cause said driving means to stop only when said control device is in position to stop said driving means, and a position limit control operable from said driving means for stopping operation of said driving means and concurrently causing another operation of said auxiliary control device to render said maintaining means ineffective independently of said control device.

2,459,351
ILLUMINATED TEST DEVICE
Maurice Weincord, Chicago, Ill.
Application August 14, 1944, Serial No. 549,471
1 Claim. (Cl. 175—183)

A circuit continuity tester comprising a tubular housing member having a visibility opening at one end and an accessibility opening at its other end, an illumination bulb disposed adjacent said visibility, an electrically conductive wire helix having its intermediate convolutions constricted for screw threaded engagement with the filament contact base of said bulb and having its extreme convolutions radially and longitudinally distended for compressive engagement with the internal forward wall of said housing on the one hand and with the foremost end of a battery of cells constituting a power unit on the other hand, an electrically conductive prod bar secured to the foremost ones of said distended convolutions and extending through a journal opening of said housing whereby said helix may be compressed during abutment engagement of said prod bar, and a closure plug for said housing having an electrically conductive terminal plug to engage the rearmost end of said battery of cells and including in electrical engagement therewith a flexible lead wire terminating with a test engagement terminal element, said plug being screw adjustable throughout a distance to permit contactual engagement between said illuminating bulb and the foremost terminal of a battery cell in opposition to the tension of said helix spring or to be spaced therefrom so that the device may be used as a prod controlled illumination tester or as a contions of test requirements.

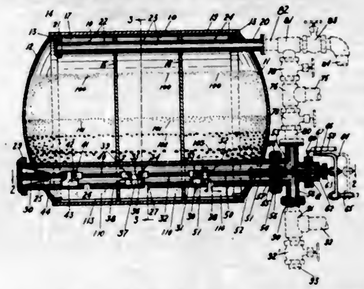
2,459,352
LEG WARMER BAG
Gertrude C. Williams, Cleveland, Ohio
Application October 28, 1946, Serial No. 706,179
6 Claims. (Cl. 2—69)

1. As a new article of manufacture, a leg warming garment comprising a leg covering made of pre-shaped integral tibial and thigh leg sections normally disposed at an angle to each other conforming with the angle of the tibial portions and thighs of the legs of a person when sitting, and means to fasten the covering about the legs of a wearer, the sections including an outer layer of water impervious material, and an inner layer of warming material of the nature of wool united to the outer layer, the lower end of the tibial section being closed, a foot rest block of wood attached to the closed lower end of the



tibial section inwardly thereof, and a rubber pad or section vulcanized to the outer under face of the impervious layer at the closed end of the tibial section.

2,459,353
LIQUID FILTER
Clayton W. Woods, Omaha, Nebr.
Application July 8, 1946, Serial No. 682,069
4 Claims. (Cl. 210—144)



1. In a filter having three chambers each provided with an outlet: means for governing a flow of backwash water through said chambers and outlets, said means comprising a conduit-pipe having closed ends adapted to be connected to a source of supply of water under pressure, said pipe being provided with an opening for and in communication with each chamber; a shoe for each opening, said shoes each being of a larger size and of a complemental transverse shape with respect to the walls of their respective openings for sealing the latter at desired times, said shoes being longitudinally slideably disposed in said pipe; means connecting said shoes together, the middle shoe being provided with an aperture therethrough adapted to align with the walls of its opening at times; and means slideable with respect to said pipe and secured to one of said shoes and extending outwardly of said pipe for causing said shoes to slide longitudinally of said pipe.

2,459,354
DOOR LATCH
Richard T. Anderson, Stacy, Minn.
Application June 21, 1944, Serial No. 541,344
7 Claims. (Cl. 292—163)

2. A door latch comprising a casing, a handle extending through said casing, means pivotally supporting said handle for pivotal or swinging movement thereof, means on said handle spaced from the axis thereof engageable with said cas-

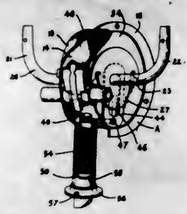
ing upon pivotal movement of said handle in either direction to cause a swinging movement of said handle, resilient means urging said handle to one extreme position, a link looped about

trol grid, a circuit connected to said anode and said cathode, loading means in said circuit, a step-down transformer having its primary in parallel with said loading means, the trans-

constituting a relatively fixed base, a power plant mounted on said framework and including a drive shaft, a complemental driven shaft mounted on said framework, a pulley on said drive shaft, a

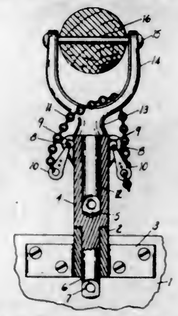
2,459,361
TORQUE RESPONSIVE CLUTCH
Harold E. Carnagua and Clifford L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois

ing upon pivotal movement of said handle in either direction to cause a swinging movement of said handle, resilient means urging said handle to one extreme position, a link looped about



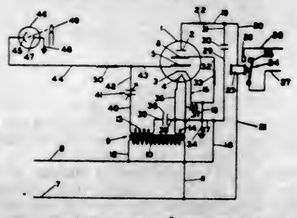
said handle at a point spaced from said pivotal supporting means, the swinging movement of said handle sliding said link, and a slidable latch bolt connected to said link to move therewith.

2,459,355
OARLOCK EXTENSION
Max W. Arcaux, Paw Paw, Mich.
Application December 5, 1946, Serial No. 714,333
10 Claims. (Cl. 9—26)



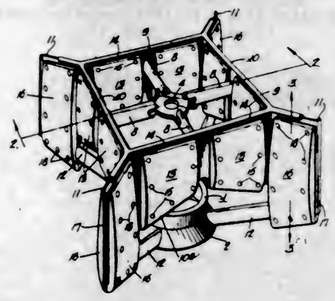
10. A rowing aid comprising a body member defining a central recess adapted to receive the stud portion of an oarlock, and an auxiliary stud formed on the opposite end of said body from said recess and adapted to fit within the oarlock socket of a boat, said stud being axially aligned with said recess.

2,459,356
ELECTRIC CONTROLLING SYSTEM
Fred B. Aubert, Detroit, Mich.
Application June 19, 1946, Serial No. 677,873
2 Claims. (Cl. 250—41.5)



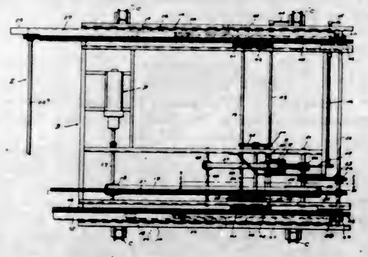
1. In an electric controlling system, an electro tube having an anode, a cathode and a control grid, a circuit connected to said anode and said cathode, loading means in said circuit, a step-down transformer having its primary in parallel with said loading means, the transformer secondary having one end isolated from ground and having its other end connected to said grid, a condenser interposed between said transformer other end and said grid, a photocell, a conductor connecting the photocell cathode to said grid, and a resistor in said conductor.

2,459,357
BOMB FIN STRUCTURE
Richard A. Bell, Penn Wynne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 30, 1944, Serial No. 528,749
1 Claim. (Cl. 102—2)



In an aerial bomb of the type including radio apparatus, a fin structure constituting an antenna for said apparatus and comprising a plurality of active fin elements of thin metal, and vibration-inhibiting pads secured to the faces of said elements, said pads lending stiffness to the said elements and being composed of wood having a stiffness-to-mass ratio substantially in excess of that of the metal of said fin so as to increase the stiffness-to-mass ratio of the composite fin element as a whole.

2,459,358
LUMBER STACKING MACHINE
Boswell M. Birkhead, Ola, Ark.
Application September 14, 1945, Serial No. 616,348
3 Claims. (Cl. 198—118)



1. In a lumber handling and stacking machine of the class described, an open-style framework

constituting a relatively fixed base, a power plant mounted on said framework and including a drive shaft, a complemental driven shaft mounted on said framework, a pulley on said drive shaft, a second pulley on said driven shaft, a propulsion belt trained over said pulleys for operating said driven shaft, a lumber conveying, elevating and stacking unit embodying a pair of complementail arms located one on each side of the framework, the forward ends of said arms being hingedly mounted on the forward end portion of said framework, a sprocket shaft mounted in the rear upper ends of said arms, sprocket wheels mounted at opposite ends of the latter shaft, a second sprocket shaft mounted on the forward end portion of said framework beyond and in advance of the hinged ends of said arms, sprocket wheels keyed on the opposite end portions of said second named sprocket shaft, endless conveyor chains disposed in parallelism with each other and spaced from one another and trained over respective coacting sprocket wheels on the end portions of the sprocket shafts, an operating connection between said driven shaft and said second named sprocket shaft, means for raising and lowering said arms in respect to the framework, said means embodying levers, said levers being similarly arranged one on each side of the intermediate portion of the framework and said levers being pivotally anchored at their lower ends on said framework, idling rollers mounted on the upper ends of said levers and in rollable camming contact with intermediate portions of said arms, a pair of sheaves, one for each lever, links pivotally attaching the respective sheaves to the upper portions of the respective levers, cables securely anchored at corresponding ends on the upper portion of the front end of said framework, intermediate portions of said cables being trained over said sheaves, a horizontal cable winding shaft mounted for operation on said framework on a plane below the anchored ends of said cables and provided with cable winding drums, said cables being reelable at their remaining ends on the drums, and an operating connection between the winding shaft and the aforementioned driven shaft.

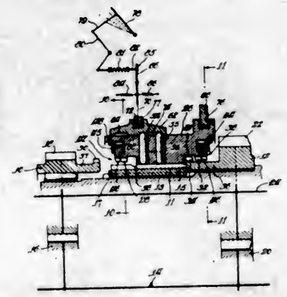
2,459,359
PURIFICATION OF BETA-PICOLINE
Robert S. Bowman, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 7, 1947, Serial No. 720,675
9 Claims. (Cl. 260—290)

1. The process of purifying 3-picoline that is contaminated with at least one of the bases 4-picoline and 2,6-lutidine, comprising heating to a temperature not exceeding about 100° C. for about one-half hour to about two hours the contaminated 3-picoline with formaldehyde and an acid salt of a secondary amine adding water and extracting and recovering 3-picoline having a purity at least of approximately 95% from the reaction products.

2,459,360
LACTONE DERIVATIVES OF 2-PYRIDONE COMPOUNDS
William F. Bruce, Penfield, Pa., assignor to Wyeth Incorporated, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 3, 1945, Serial No. 586,439
3 Claims. (Cl. 260—295.5)

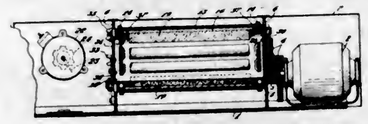
1. The lactone of 3-carboxy-4-hydroxymethyl-5-hydroxy-6-methyl-2-pyridone.

2,459,361
TORQUE RESPONSIVE CLUTCH
Harold E. Carnagua and Clifford L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 26, 1943, Serial No. 492,378
16 Claims. (Cl. 192—48)



1. In a coupling device, a pair of coupling members, one rotatable relative to the other, adapted for positive coupling connection with each other, at least one of said coupling members being shiftable to effect said connection, torque responsive means for shifting said shiftable coupling member into and out of said connection in response to torque transmitted therethrough in opposite directions, and operator controlled shift means connected with said shiftable coupling member for moving the same from a non-torque responsive position to a position from which said shiftable coupling member may shift torque responsively, said shift means being adapted for free movement with said shiftable coupling member during torque responsive shifting thereof.

2,459,362
PHOTOGRAPHIC PRINTING APPARATUS HAVING A ROTARY LIGHT-TRANSMITTING CYLINDER AND AN ENDLESS BELT BEARING AGAINST THE CYLINDER
Francis H. Cary, Warwick, R. I., assignor to Builders Iron Foundry, Providence, R. I., a corporation of Rhode Island
Application June 2, 1945, Serial No. 597,186
3 Claims. (Cl. 95—77.5)



1. Apparatus for printing light sensitive sheets from record sheets comprising rollers disposed at the corners of an intervening space, a hollow light-transmitting cylinder disposed in said space adjacent two of said rollers, and an endless belt trained around said rollers and looped into said space between said two rollers and around the cylinder in supporting relation to said cylinder, the diameter of the cylinder being greater than the distance between the two rollers and the cylinder being free to be drawn into juxtaposition to the two rollers when the belt is taut, the belt having marginal flanges which straddle the cylinder to keep it centered on the belt.

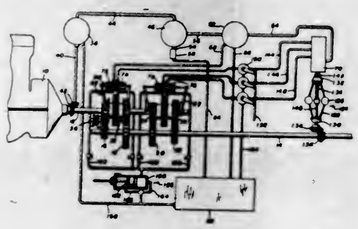
2,459,363
AUTOMATIC TRANSMISSION
Jerry C. Chamberlain, Phoenix, Ariz., assignor of one-fourth to H. S. Chamberlain and one-

of the crepe, creping to produce a high ratio crepe above 1½:1 and heating the paper to polymerize the resin, the amount of the resin in the paper being sufficient to impart elastic return thereto

2,459,367
1,4-DI(HETEROCYCLIC SUBSTITUTED) PIPERAZINES
John Joseph Denton, Somerville, and Kenneth

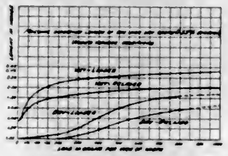
into a holder, engaging the opposite end of the pear at the calyx to determine a reference axis through the pear corresponding substantially with the stem of the pear and holding the pear so

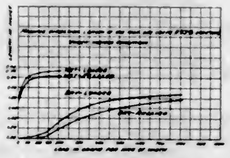
2,459,363
AUTOMATIC TRANSMISSION
Jerry C. Chamberlain, Phoenix, Ariz., assignor of one-fourth to H. S. Chamberlain and one-fourth to Dorothy Chamberlain, both of Phoenix, Ariz.
Application April 11, 1947, Serial No. 740,949
3 Claims. (Cl. 74—336.5)



1. A hydraulic gear shift for variable speed gearing including a source of pressurized fluid connected to a selector valve, clutches operatively associated with gearing and having the selective engagement thereof controlled by said selector valve, and a governor controlling said selector valve, said source being connected to a reservoir for said fluid, said gearing including reverse gears, and a three-way valve operable to direct said pressurized fluid selectively to said reservoir, to the one of said clutches associated with said reverse gears, and to said selector valve.

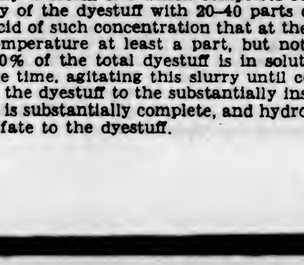
2,459,364
CREPED PAPER AND METHOD OF MAKING
Robert F. Charles, South Acton, and Frank W. Durgin, Natick, Mass., assignors to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application December 5, 1944, Serial No. 566,746
8 Claims. (Cl. 154—33.05)





1. The method of making crepe paper which comprises impregnating a sheet of paper with an aqueous solution of a polymerizable synthetic resin selected from the group consisting of aldehyde condensation products of urea, phenol and melamine, said resin capable of wetting paper fibres, of adhering firmly thereto, and of imparting to the paper a sharp elasticity with respect to even slight distortion of shape as well as throughout the complete opening out of the folds of the crepe, creping to produce a high ratio crepe above 1½:1 and heating the paper to polymerize the resin, the amount of the resin in the paper being sufficient to impart elastic return thereto when both wet and dry but insufficient to produce brittleness and stiffness whereby the flexible crepe paper may be stretched when both wet and dry and will return considerably to its original crepe length upon release of such stretching tension.

2,459,365
ELECTROLYTIC PROTECTIVE SURFACE TREATMENT OF MAGNESIUM BASE ALLOYS
Geoffrey Edward Coates, Swansea, Wales, assignor, by mesne assignments, to The Permanente Metals Corporation, a corporation of Delaware
Application February 21, 1944, Serial No. 523,296
In Great Britain April 3, 1942
1 Claim. (Cl. 204—56)



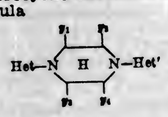
A process for the electrolytic protective surface treatment of magnesium base alloy which consists of treating said alloy in an electrolytic cell wherein said alloy is the anode, the electrolyte in said cell consisting of a solution in water of from 0.2 to 0.5 mol per liter of dichromate ion, from 0.1 to 1.5 mols per liter of sulfate ion, a buffer mixture consisting of acetic acid and sodium acetate and being adapted to maintain the pH of the electrolyte within the range pH4 to pH6, the acetate ion being present in a concentration of 0.2 to 1.0 mol per liter, and the electrolyte constituents being so selected that within this pH range their cations remain in stable solution, the current density in said cell being from 10 to 20 amperes per square foot of anode surface.

2,459,366
ACID TREATMENT OF PYRANTHRONE VAT DYESTUFFS
John F. Cullinan and Lawrence D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 13, 1944, Serial No. 526,345
8 Claims. (Cl. 260—360)

1. The method of converting a vat dyestuff characterized by the presence of the pyranthrone nucleus into very finely divided particles of substantially uniform size which comprises forming a slurry of the dyestuff with 20–40 parts of sulfuric acid of such concentration that at the reaction temperature at least a part, but not more than 10% of the total dyestuff is in solution at any one time, agitating this slurry until conversion of the dyestuff to the substantially insoluble sulfate is substantially complete, and hydrolyzing the sulfate to the dyestuff.

2,459,367
1,4-DI(HETEROCYCLIC SUBSTITUTED) PIPERAZINES
John Joseph Denton, Somerville, and Kenneth Leon Howard, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 12, 1947, Serial No. 785,527
7 Claims. (Cl. 260—251)

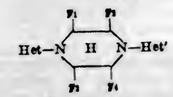
1. 1,4-diheterocyclic substituted piperazines of the type formula



in which Het and Het' are members selected from the group consisting of the pyridyl, pyrimidyl, pyridazyl and pyrazyl radicals, the bond being to a

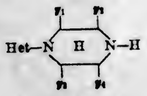
linkage, and γ_1, γ_2, γ_3 and γ_4 are selected from the group consisting of hydrogen and the lower alkyl radicals, and salts of said piperazines.

6. A method of preparing 1,4-diheterocyclic piperazines of the type formula



in which Het and Het' are members selected from the group consisting of the pyridyl, pyrimidyl, pyridazyl and pyrazyl radicals, the bond being to a

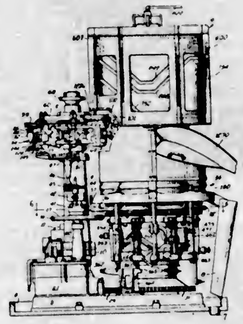
linkage, and γ_1, γ_2, γ_3 and γ_4 are selected from the group consisting of hydrogen and the lower alkyl radicals, which comprises reacting, in the presence of a basic acceptor for hydrogen halides, a substituted piperazine of the type formula



and a ring halogenated member of the group consisting of pyrimidine, pyridazine, and pyrazine, separating the resultant disubstituted piperazine

2,459,368
PEAR PEELING, CORING, AND SPLITTING METHOD AND APPARATUS
Guy A. Dunn, Oakland, Calif., assignor to California Packing Corporation, San Francisco, Calif., a corporation of New York
Application September 9, 1940, Serial No. 355,988
12 Claims. (Cl. 146—238)

6. In a continuous method of preparing pears for canning, the steps of positioning a pear in a fruit circuit by feeding the neck end of a pear into a holder, engaging the opposite end of the pear at the calyx to determine a reference axis through the pear corresponding substantially with the stem of the pear and holding the pear so positioned, transferring the pear into a continuously moving operating cycle, passing a stemming



tube during transfer along the reference axis so determined, and then peeling the pear while supported on the stemming tube, and then splitting and coring the pear while guidingly supporting the pear on the core axis formed by the stemming tube along the said reference axis.

2,459,369
METHOD OF EXTRACTING RUBBER FROM PLANTS
Howard Tint and Charles W. Murray, Salinas, Calif., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application January 13, 1947, Serial No. 721,829
10 Claims. (Cl. 260—818)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of extracting rubber from guayule plants, comprising comminuting the green, lush, freshly harvested, defoliated guayule shrub and then subjecting the said comminuted, green, lush, freshly harvested, defoliated guayule shrub to extraction with a water-miscible organic solvent which dissolves the resins therein and not the rubber, removing the solvent, and thereafter removing the rubber from the shrub.

2,459,370
PACKING ASSEMBLY
William C. Ferguson and Paul Sussenbach, St. Louis, and Frank L. Limn, University City, Mo., assignors to The Presstite Engineering Company, St. Louis, Mo., a corporation of Missouri
Application May 15, 1946, Serial No. 669,978
4 Claims. (Cl. 288—13)

1. A packing comprising two plugs, each plug comprising an ungulate wedge having end surfaces, a partial cylindrical surface and a planar wedge surface inclined at an acute angle to the longitudinal axis of said cylindrical surface, said wedge surface intersecting said end surfaces, said

plugs forming a cylinder when assembled with said wedge surfaces in coextensive engagement, each of said wedge surfaces having a groove

carrier, a tension member pivotally supporting said carrier for rocking movement about its longitudinal axis, disposed centrally longitudinally

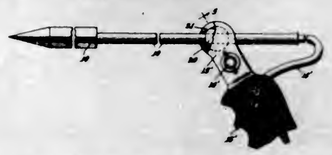
said cores and having a threaded end and a nut thereon, and a rod located at each of the ends of said cores within said recesses, each rod ex-

on the side toward said housing with a conduit communicating with one part and with the housing adjacent its inner face and being provided with another conduit communicating with the

plugs forming a cylinder when assembled with said wedge surfaces in coextensive engagement, each of said wedge surfaces having a groove therein opposite the groove in the other, said

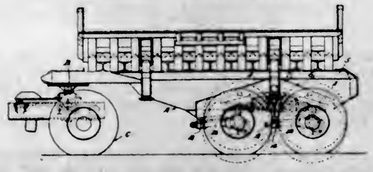
grooves providing an inclined passage along said engaged surfaces and between the end surfaces for a conduit or the like through the packing when said plugs are so assembled.

2,459,371
ADJUSTABLE SOLDERING IRON
Allen T. Foster, Chicago, Ill., assignor to Electric Soldering Iron Co., Inc., Deep River, Conn., a corporation of New York
Application December 19, 1946, Serial No. 717,129
4 Claims. (Cl. 219—26)



1. An adjustable electric soldering iron, comprising in combination a relatively flat, finger-grip type handle composed of two edgewisely united parts provided with longitudinal cavities for accommodating a conductor, one end of the handle parts being adjustable in respect to each other and forming means for the reception of and for adjustably holding an iron casing, and means at that one end of the handle parts for fixing the casing in its desired, adjusted position, said casing holding means comprising a pair of spaced handle extensions having substantially annular termini, and means for drawing the latter toward each other for clamping between them a portion of the iron casing.

2,459,372
TANDEM AXLE RUNNING GEAR FOR TRAILERS OR THE LIKE
George D. Fraunfelder, Easton, Pa., assignor to Easton Car & Construction Company, Easton, Pa.
Application July 18, 1945, Serial No. 605,796
18 Claims. (Cl. 280—104.5)

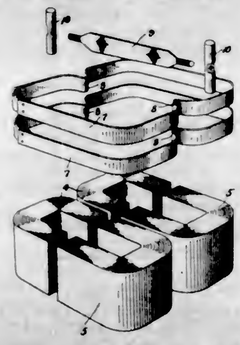


1. In a land vehicle running gear, a frame, a pair of wheels arranged side by side on a single axle disposed horizontally and tranversely with respect to the intended line of travel, a single carrier, a tension member pivotally supporting said carrier for rocking movement about its longitudinal axis, disposed centrally longitudinally between said wheels, means pivotally supporting said tension member at its advance end extremity on said frame for swinging movement in a vertical longitudinal plane, means mounting said axle at the free trailing end of said carrier, and a single spring means disposed centrally between said wheels and yieldably resisting upward movement of the free trailing end of said tension member.

2,459,373
V-BELT CLUTCHING DEVICE
William W. Gettys, Greeley, Colo.
Application June 8, 1945, Serial No. 598,367
4 Claims. (Cl. 74—242.14)

1. A V-belt clutching device comprising: a drive shaft; a V-belt drive pulley on said drive shaft; a driven shaft; a V-belt driven pulley on said driven shaft; an endless V-belt surrounding both pulleys; means for causing said shafts to approach each other when desired; and a guide member positioned in spaced relation to the outer face of said belt intermediate said pulleys, said guide member being pivoted at its one extremity; and means operable from said means for causing said shafts to approach each other and connected with said guide member for swinging the latter on its pivot toward said belt to prevent said belt from moving outwardly as said shafts approach each other.

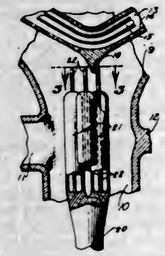
2,459,374
CORE CLAMPING MEANS
Earl F. Goodrich, Grand Rapids, Mich., assignor to Kirkhof Manufacturing Corporation, Grand Rapids, Mich., a corporation of Michigan
Application December 23, 1946, Serial No. 717,949
2 Claims. (Cl. 175—356)



1. In a transformer structure including two cores located side by side, each of said cores being divided between its ends, the ends of said cores at adjacent sides being rounded to form outwardly opening recesses, two strong flexible bands extending completely around both of said cores in spaced relation, a bolt extending between

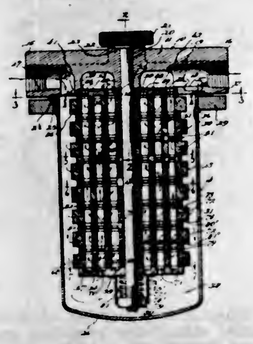
said cores and having a threaded end and a nut thereon, and a rod located at each of the ends of said cores within said recesses, each rod extending between and engaging said bands and said rods being engageable with said bolt at opposite ends thereof, whereby manipulation of said nut on said bolt will draw said bands into said recesses and tighten them about said cores.

2,459,375
MICROFRACTIONATION STILL WITH CAPILLARY TUBE OFFTAKES FOR CONDENSATE
Clark Webster Gould, Jr., Pasadena, Calif., assignor to California Institute Research Foundation, Pasadena, Calif., a corporation of California
Application September 15, 1944, Serial No. 554,314
10 Claims. (Cl. 202—202)



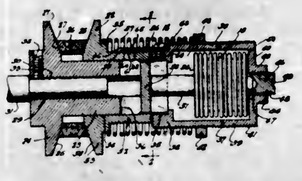
1. An apparatus for the microdistillation of liquids comprising: a boiler; a condenser shell communicating therewith; a condenser mounted within said shell and spaced from the walls thereof and having a condensing surface; a collector tip depending from said surface; a receiving cup; and a capillary tube loosely positioned in said cup and adapted to contact said tip.

2,459,376
FILTER
William W. Hallinan, Racine, Wis.
Application February 9, 1944, Serial No. 521,598
5 Claims. (Cl. 210—120)



1. In a filter assembly, the combination of a supporting body provided with outlet and inlet ports, with a housing member carried by said body, the said housing projecting laterally from one side of said body, said body being provided on the side toward said housing with a conduit communicating with one part and with the housing adjacent its inner face and being provided with another conduit communicating with the other port and communicating with the interior of said housing adjacent the central portion of the housing, said two latter conduits being separated by a wall and said wall being recessed to receive an end plate, said body having a centrally located bore for receiving a threaded member projecting into said housing, a threaded member located in said bore and housing and having a manual actuating member located outside said housing, and a plurality of filter elements and pressure plates carried by said threaded member, the filter elements being located between alternate pressure plates, one of said pressure plates constituting an end plate having apertures communicating with the conduit leading to one of said ports and another of said pressure plates constituting another end plate having apertures communicating with the interior of said housing, all the other pressure plates and the filter elements being provided with a plurality of series of through apertures adapted to communicate with apertures in adjacent filters and pressure plates to form conduits communicating with predetermined apertures in said end plates, the said filters comprising thick fibrous members with the said apertures pre-formed in said filters, the walls of certain of said apertures acting as filtering surfaces.

2,459,377
VARIABLE-SPEED PULLEY
William W. Hallinan, Racine, Wis.
Application February 8, 1946, Serial No. 646,267
2 Claims. (Cl. 74—230.17)



1. In a variable diameter pulley, the combination of a pulley section provided with a cylindrical hub and adapted to be secured to a shaft with a second pulley section having a cylindrical bore, whereby it is slidably mounted on said hub, said pulley sections being provided with circular belt-engaging flanges having opposed frusto-conical faces for engaging the sides of a tapered belt, thermostatic means carried by one section and reacting against said section and acting against the other section for urging the pulley sections toward each other, the pressure of the belt between said opposed frusto-conical flanges urging the sections apart, and resilient detent means acting between said sections for resisting movement of one section relative to the other until a predetermined force is built up adapted to overcome said resilient means to move the sections into any of a plurality of definite positions for predetermined speeds, said resilient means comprising a spring finger carried by one section and notches formed in the other section and adapted to be engaged by a laterally turned end portion on said spring finger, said notches being curved to provide a camming formation whereby the laterally turned portion of the spring finger may be cammed out of a notch by axial pressure exerted between the sections in either direction.

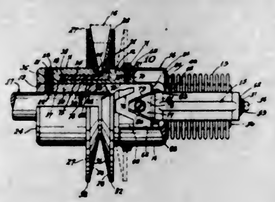
2,459,378
VARIABLE-SPEED PULLEY

2,459,380
CLOTHESLINE HOLDER

and elongated recesses on their outer sides, the

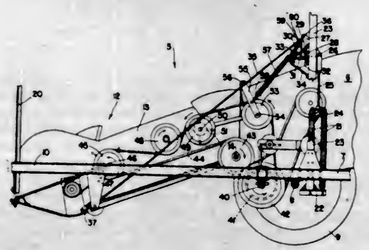
clamping a bale or other compact mass of material to hold the same on the base, an open-ended,

2,459,378
VARIABLE-SPEED PULLEY
William W. Hallinan, Racine, Wis.
Application June 10, 1946, Serial No. 675,764
11 Claims. (Cl. 74—230.17)



3. In a thermostatically controlled pulley, the combination of a pair of pulley sections movably mounted for axial movement relative to each other with a thermostat adapted to react against one section and to act on the other section to move the sections toward each other or apart in accordance with changes of temperature, the said thermostat comprising a bellows having one end secured to a frame member carried by one pulley section, the opposite end of the bellows having an end plate provided with a pair of axially extending flanges which are fixedly secured to the other pulley section, the end of the bellows reacting on the first mentioned pulley section being fixedly secured in a frame, and said frame surrounding said bellows and being secured by an axial securing device to said first mentioned section.

2,459,379
BELT-TIGHTENING DEVICE
Fredrick C. Hanson, Cordova, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 10, 1944, Serial No. 544,288
9 Claims. (Cl. 74—242.11)

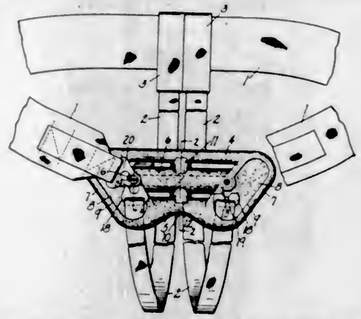


1. In combination, a pair of frames connected together by means providing for relative shifting movement therebetween, a rockshaft mounted on one of said frames and connected with the other of said frames by means causing said rockshaft to rock coincidentally to said relative shifting movement, power transmitting mechanism including a sheave journaled on said other frame, an idler mounted on said one frame by means providing for shifting movement toward and away from said sheave, a power transmitting belt trained over said sheave and said idler, and a connection between said idler and said rockshaft for shifting said idler coincidentally with relative movement of said frames, to maintain a substantially constant belt tension.

2,459,380
CLOTHESLINE HOLDER
Willis C. Hess, Kenmore, N. Y., assignor of one-third to Leo C. Krazinski, New York, N. Y.
Application February 20, 1946, Serial No. 648,956
6 Claims. (Cl. 24—241)

1. A clothes line holder comprising a ring-shaped body having a transverse slot for admitting a clothes line into the central space in the body; a screw extending from the outer edge of the body for securing the body to a support; a pair of discs engaging the opposite outer sides of the body; means to center the discs on the body; members loosely connecting the discs together for preventing their relative rotation, the discs being provided with slots extending from their peripheries toward the centers and registering with each other, the width of the slots corresponding to the width of the slot in the ring, the depth of the slots being sufficient to form an opening for the clothes line between the bottoms of the slots and the inner edge of the body, whereby the clothes line is held firmly between said bottoms and said inner edge; and threaded means centrally disposed on said discs for tightening the discs against the outer sides of the body, so as to limit the rotational movement of the discs relative to the body between the open and closed positions of the slot in the body.

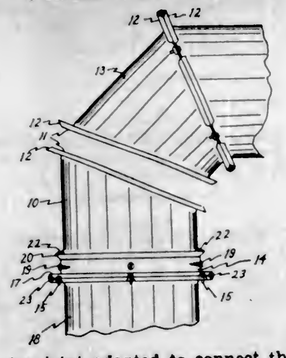
2,459,381
TRUSS
Fred Hollingsworth, Grand Rapids, Mich., assignor to Doctors Truss Company, Grand Rapids, Mich., a corporation of Michigan
Application October 30, 1946, Serial No. 706,767
4 Claims. (Cl. 128—95)



1. In a truss, a body member of molded yieldable material comprising vertically spaced top, bottom, and intermediate horizontal members, and downwardly converging end members integral therewith, the end members substantially exceeding the horizontal members in width, and having downwardly converging elongated pads on their inner sides molded integrally therewith

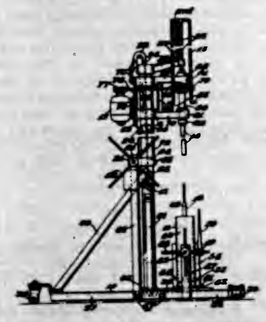
and elongated recesses on their outer sides, the horizontal members being integrally connected centrally thereof, a springable blade-like reinforcing member imbedded in the intermediate horizontal member with its ends at the inner edges of said recesses, and attaching studs engaged with the ends of said reinforcing member and projecting to the outside of said body member and adapted to be connected to supporting straps for said truss.

2,459,382
DEMOUNTABLE SEALED STOVEPIPE JOINT
Arthur Hollub, Chicago, Ill.
Application September 14, 1946, Serial No. 697,070
6 Claims. (Cl. 285—130)



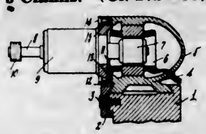
1. A pipe joint adapted to connect the adjacent ends of two or more pipe sections, an annular flange on one pipe section having a plurality of spaced holes therein; a metal collar having outwardly bent flanges integral with both its edges; said collar being securable on an end of a pipe, one of said collar flanges having spaced holes therein and being bent at an angle to form a V-shaped groove with said first mentioned flange; fastening elements extending through the holes of said flanges; and a removable sealing ring of mastic material in said groove.

2,459,383
SAMPLING DEVICE
Robert M. Levy, Brevard, N. C., assignor to Ecusta Paper Corporation, a corporation of Delaware
Application December 7, 1945, Serial No. 633,546
6 Claims. (Cl. 73—421)



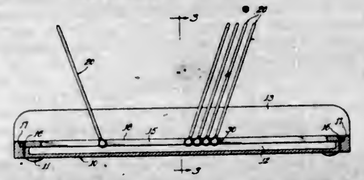
1. In a bale sampler and the like, a wheeled supporting base, means for positioning and clamping a bale or other compact mass of material to hold the same on the base, an open-ended, interiorly unobstructed, vertically moveable, motor-driven, rotatable core-taking tube located vertically above the bale or mass supporting area of the base, the tube having an annular, forward, cutting end, to penetrate the underlying positioned material and take a core of the material into the tube, manually operable means for raising and lowering said core-taking tube at will, and manually operable ejector means for removing the entire core of material taken into the tube, said ejector means comprising an elongated, vertical rod of excess length and approximate tube-bore diameter, cooperatively positioned normally above and in axial alignment with and enterable endwise and movable lengthwise in said core-taking tube, an inverted, substantially U-shape operator element rigidly secured at its middle to the upper end of said ejector rod, with the legs of said operator element depending in spaced, parallel relation on opposite sides of said rod and having hand grasp portions at their lower ends for the downward and upward manipulative actuation of the rod, and means for releasably holding said ejector rod in its raised, normally inactive position.

2,459,384
MOTOR-DRIVEN TOOL MECHANISM
Thor H. Ljunggren, Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application September 11, 1943, Serial No. 501,949
3 Claims. (Cl. 172—36)



1. In combination, a unit comprising a spindle, a motor rotor on one end of said spindle, a device at the opposite end of said spindle, and a spindle bearing casing between said rotor and device and within which said spindle is journaled, a support, a motor stator comprising a core and frame carried by said support, and means for removably securing said unit with the motor rotor in operative relation to said stator.

2,459,385
VERTICAL FILE
Alfred M. Martin, Park Ridge, Ill.
Application July 28, 1944, Serial No. 546,961
14 Claims. (Cl. 129—15)



1. A file of the class described comprising a base to receive file cards thereon, a central channel extending longitudinally of said base, a longitudinal guide rod carried by the base in the channel, a plurality of follower-supports for the file cards associated with the base transversely of the guide rod, each follower-support having a

with the cutting edge portion of the knife blade

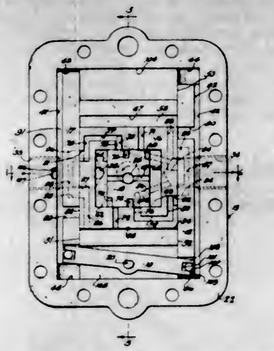
mount part depending therefrom and received in said channel, a slot in each mount passing the guide rod therethrough, said slot and rod being cooperatively arranged for limited tilting of the follower-support from a vertical position rearwardly and forwardly thereof, a spring barrel on the mount on each side of said rod, said barrels being open at their ends adjacent the rod and at least partially closed at their outer ends, a coil spring in each spring barrel abutted therein adjacent said outer end, a spring plunger in the said open end of each spring barrel and pressed by said spring against said rod to frictionally resist relative sliding movement of the mount with respect to the rod and sliding movement of the follower-support with respect to the base while permitting said sliding movement when said follower-supports are in vertical position and when increased numbers of file cards are received between two adjacent follower-supports.

2,459,386
TROLLEY WIRE HANGER
Samuel S. Matthes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 19, 1945, Serial No. 623,216
5 Claims. (Cl. 287—14)

1. An article of manufacture comprising, a body member provided with means for attachment to another body member, the first said body member having fixed longitudinally projecting spaced lugs with substantially smooth inner faces, an arm having one end positioned in the space between the lugs, the lugs and the said one end of the arm having transversely disposed registering openings, a pintle extending through the openings by means of which the arm may be moved in a longitudinally disposed plane to change its angular relation with the longitudinal axis of the body member, the pintle provided with spaced bearing portions positioned in the lug openings whereby the pintle is rotatable relative to the lugs, means on the pintle intermediate the said spaced portions and means on the arm cooperating with the last said means whereby the arm is non-rotatable relative to the pintle but the pintle may be moved axially of the arm, means at one end of the pintle and other means on the other face of one lug to cooperate with the last means to prevent relative rotation of the pintle and lug and prevent the said angular movement of the arm relative to the said longitudinal axis and means on the other end of the pintle to engage the outer face of the other lug to prevent axial movement of the pintle and to maintain said cooperation of the said means on the pintle and on the lug.

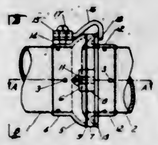
2,459,387
METHOD OF CONDENSING ORGANOSILICOLS
Rob Roy McGregor, Verona, and Earl L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application October 5, 1942, Serial No. 460,830
10 Claims. (Cl. 260—46.5)

1. The method of condensing an organo-silicol whose organic substituents consist essentially of hydrocarbon radicals attached to silicon through carbon-silicon linkages, there being less than



three hydrocarbon radicals per silicon atom which comprises dehydrating said silicol in the presence of boron trifluoride.

2,459,388
VARIABLE DELIVERY PUMP
David J. Munroe and John C. McAlvay, Racine, Wis., assignors to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application July 23, 1945, Serial No. 606,619
15 Claims. (Cl. 103—41)



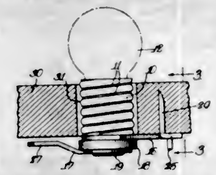
1. In a fluid pump of the reciprocating type, the combination of a supporting body provided with a rotating shaft having an eccentric trunnion extending into a pump cavity in said body, with a reciprocating member engaged by said trunnion and adapted to be reciprocated in said cavity by said trunnion, said body being formed with inlet and outlet ports and said reciprocating member being formed with passageways and ports adapted to be alternatively connected to provide communication between the inlet and a pumping space and between the outlet and said pumping space, and adjustable valve means interposed between the outlet port and passageways extending from the pumping space to the outlet port, whereby a predetermined amount of the output may be diverted from the output to effect a predetermined measured discharge of said pump, said body being provided with passageways for conducting the fluid which is diverted from said outlet port back to the inlet of said pump.

2,459,389
PIPE COUPLING
Henry Bowford Leslie Newman, Rockhampton, Queensland, Australia
Application April 12, 1947, Serial No. 741,045
In Australia October 11, 1946
3 Claims. (Cl. 285—91)

1. An improved pipe coupling consisting of a socket for attachment to an end of a pipe, said

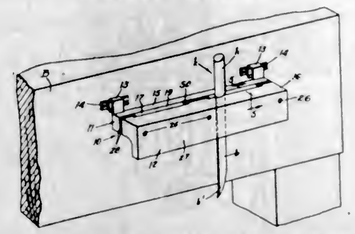
socket having, at its rim, a rigid ring provided with a concave seating; and a spigot for attachment to the abutting end of an adjacent pipe, said spigot having a convex flange adapted to seat in the said ring; a flexible ring extending from said socket to the said convex flange; and a spring clip attached to said socket, the hook of said clip adapted to lie behind the flange on said spigot when the coupling is assembled.

2,459,390
SOCKET TERMINAL MOUNTING
Harry A. Olson, Park Ridge, Ill., assignor to Micarta Fabricators, Inc., Chicago, Ill., a corporation of Illinois
Application June 6, 1946, Serial No. 674,777
3 Claims. (Cl. 173—339)



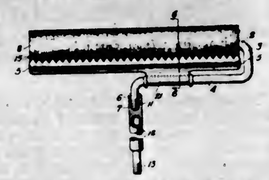
1. In a socket assembly of the character described, comprising a tubular lamp socket body, a contact mounted in said body in insulated relation thereto, and a pair of axially spaced apart, laterally extending terminal arms insulated from each other and connected respectively to said body and said contact, at the bottom end of the body, one of said arms having a sharp pointed prong formed integrally therewith and extending upwardly therefrom, and adapted to be projected into a panel of material for supporting said socket assembly on the panel, said one arm having a down turned ear constituting a soldering lug.

2,459,391
KNIFE RACK AND EDGER
Samuel S. Otis, Winnetka, Ill.
Application May 24, 1947, Serial No. 750,344
6 Claims. (Cl. 76—82)



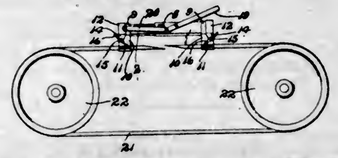
1. In a knife rack and edger, a metal wall member provided with a slot intended for reception of a knife blade, said wall member having an edging element at one side of said slot, and a lip at the other side of said slot extending from said wall member at an angle thereto bendable toward and away from said edging element, said lip having at its free edge an edging element defining with said first edging element the sides of said slot, the effective width of said slot being adjustable by bending said lip toward and from said first edging element, said edging elements being disposed for edging contact of one thereof with the cutting edge portion of the knife blade when the latter is moved lengthwise through said slot with its back edge in contact with the other of said edging elements.

2,459,392
STIPPLER
Augustine Power, New York, N. Y.
Application July 17, 1945, Serial No. 605,567
5 Claims. (Cl. 41—5.5)



1. In a stippler having a handle, a spindle secured to said handle, a handle connection substantially parallel to said spindle and a roller rotatable on said spindle, a cutter swingingly mounted on said handle connection and a roll of paper removably secured to said roller, said roll of paper having a plurality of adhesive strips spaced apart substantially equal to circumference of said roll of paper to secure the end of the paper to said roll of paper after the outer layer of paper has been severed by said cutter from said roll of paper, whereby the outer layer of paper may be cut off after stippling and the remaining outer layers held secure to said roll of paper for rotating on said spindle until all of said outer layers and said roll of paper have been used up for stippling whereby an unused outer layer of paper is exposed after the used outer layer has been removed.

2,459,393
V-BELT TENSIONING CLAMP
Francis F. Raniville, Grand Rapids, Mich., assignor to Ton-Tex Corporation, Grand Rapids, Mich., a corporation of Michigan
Application April 16, 1945, Serial No. 588,557
3 Claims. (Cl. 254—52)



1. A belt clamp comprising, two telescoping members of channel form, a plate secured at the outer end of each channel member and depending therebelow and formed at its lower end portion into a belt receiving trough open at its upper side, a second plate located over the first plate and permanently secured therewith to its respective channel member and having an outturned intermediate section and terminating in a downturned section, a pivot pin extending through the downturned section and an opposite portion of the first plate, a spring actuated dog mounted on said pivot pin over said channel, manually operated means mounted on one of said channels and connected with the other channel for adjusting said channel members longitudinally with respect to each other, and means for releasably securing said channel members in any position to which adjusted.

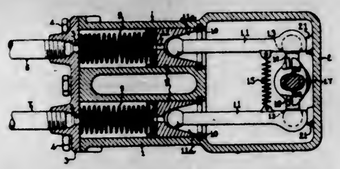
2,459,394

horizontal plane, a work-conveying belt with an

2,459,399
AIRWAYS TRAFFIC CONTROL SYSTEM

2,459,401
FISHING DEVICE

2,459,394
LIQUID PRESSURE BRAKE MECHANISM
Charles A. Sawtelle, Rosedale Gardens, Mich.
Application June 7, 1944, Serial No. 539,101
5 Claims. (Cl. 74—99)

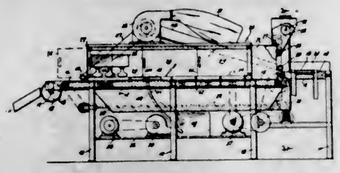


1. In a liquid pressure brake mechanism, the combination with two substantially parallel cylinders and pistons reciprocable in such cylinders, of springs for retracting the pistons, push rods for advancing the pistons, an actuator for the push rods, a lever pivoted on the actuator and forming arms oppositely projecting from the actuator, such arms having a ball and socket engagement with the push rods, and a tie connection between the push rods maintaining said ball and socket engagement.

2,459,395
PISTON RING
Dallas M. Smith, Kirkwood, Mo., assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo., a corporation of Delaware
Application May 13, 1943, Serial No. 486,759
1 Claim. (Cl. 309—44)

A piston ring comprising an annular member having an axis, the cross section of said member having a radial dimension on the order of twice its axial dimension, said member having an external face entirely out of parallel with the axis and having inwardly converging upper and lower sides, the angular relationship between said face and said sides being nearer to perpendicular at the upper side than at the lower side, and a conical surface at the inside of said member, said surface being inclined with reference to the axis in the opposite sense and in substantially greater degree than said external face.

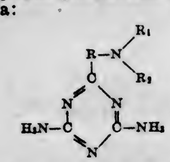
2,459,396
FLOCKING DEVICE
Carlos G. Solana, Brooklyn, and Joseph Casingena, New York, N. Y., assignors to Herbert B. Levine, New York, N. Y.
Application June 7, 1945, Serial No. 598,082
9 Claims. (Cl. 91—8)



5. In a device for the purpose indicated, a work-receiving belt disposed in a substantially horizontal plane, a work-conveying belt with an enclosure over its entire upper run disposed in a plane lower than that of the work-receiving belt, and a work-discharge belt in the plane of the work-conveying belt, a vibratory sheet beneath that upper run portion of the conveyer belt which is in near adjacency to said work-receiving belt, said vibratory sheet serving for vibrating said upper run portion, thus causing the moving work supported thereon to vibrate.

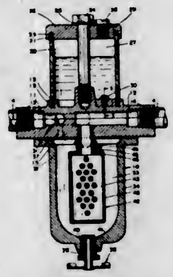
2,459,397
AMINO ALIPHATIC GUANAMINES
Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,154
6 Claims. (Cl. 260—249.5)

1. Aminoaliphatic guanamines having the following formula:



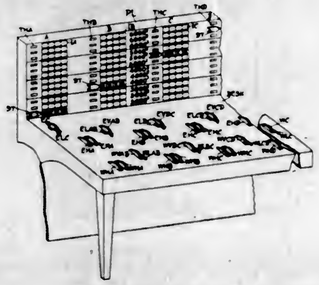
in which R is an acyclic radical united to the 2 carbon atom of the triazine ring by a carbon to carbon bond and R_1 and R_2 are radicals included in the group consisting of hydrogen, alkyl, aryl, aralkyl, acyl, sulfonyl and a portion of a saturated heterocyclic ring.

2,459,398
COMPRESSED AIR TREATMENT DEVICE
Wyeth C. Walters, Glendale, Calif., assignor to CCA Products Engineering Company, Glendale, Calif., a copartnership
Application July 12, 1946, Serial No. 683,258
5 Claims. (Cl. 184—55)



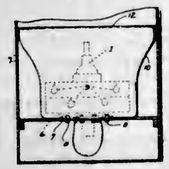
1. A device for installation in a compressed air line, comprising a body portion having an inlet and an outlet, an oil supply chamber, a threaded passage communicating between the oil supply chamber and the outlet, a valve screw loosely threadedly mounted in said passage and having a portion thereof adapted to close said passage on a predetermined movement of said valve screw, said valve screw having the head thereof exposed to the oil in said oil supply chamber to move said valve from open to closed position on a predetermined unbalance of pressure between the oil in said oil chamber, and said outlet.

2,459,399
AIRWAYS TRAFFIC CONTROL SYSTEM
Sedgwick N. Wight and Oscar S. Field, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application December 24, 1942, Serial No. 470,018
34 Claims. (Cl. 235—61)



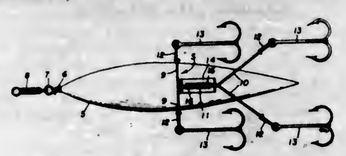
1. In a schedule calculating means for a conveyance travelling over a route separated into sections by spaced check points, a time indicator for each point, an operator operatively connected to each indicator and effective to move each indicator the same amount to establish the starting time, a calculator organization so operatively connected to each indicator as to move each indicator from its starting time setting an amount proportional to its distance from the entrance end of the route and divided by speed of travel of a conveyance over the route, and an adjusting means individually associated with each point and acting on said calculator organization to move its associated indicator amounts corresponding to travel control factors existing between it and the next preceding point toward the entrance end of the route and at the same time moving the indicators for all succeeding points toward the exit end of the route a corresponding amount.

2,459,400
AIRPLANE ENGINE PACKAGE AND METHOD OF PACKAGING THE SAME
John C. E. Williams, Englewood, N. J., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application March 12, 1942, Serial No. 434,333
4 Claims. (Cl. 206—46)



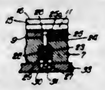
1. In combination an airplane engine with a back plate, a shipping case with a support for the engine attached thereto, a flexible, moisture-proof sheet which encloses the engine substantially completely, and fastening means which pass through the sheet and join the plate to the support.

2,459,401
FISHING DEVICE
Elmer Wiitala, Kaleva, Mich., assignor of thirty-three and one-third per cent to Reino Wiitala and thirty-three and one-third per cent to Leo Mannila, both of Kaleva, Mich.
Application March 18, 1947, Serial No. 735,499
4 Claims. (Cl. 43—46)



1. A fishing device embodying an artificial bait and a multiple fish hook spreader pivotally attached to the bait for limited lateral oscillation relative to the latter, said spreader including front and rear pairs of laterally extending arms having means to attach fish hooks to their outer ends, said arms co-acting with the bait to limit the oscillation of the spreader.

2,459,402
MOLD
Eric H. Zahn, Pound Ridge, N. Y., assignor to Austenal Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 26, 1944, Serial No. 524,025
3 Claims. (Cl. 22—154)



1. In a casting mold of the class described, in combination, a plurality of complementary mold sections each consisting of an outer hard and wear resistant reinforcing shell member and an inner lining of low fusing cast metal softer than said outer reinforcing member and fitting tightly within said outer wear resistant shell member, the face of at least one of said relatively soft linings which is opposed to the cooperating face of the other lining having a casting cavity of a shape for casting the desired object, said linings completely enclosing and defining the casting cavity throughout its entire extent so that none of the surfaces of said outer members is exposed to said cavity, registering ingate openings one in said lining and the other in at least one of said outer members through which the molten material to be cast is introduced into the casting cavity in said lining from outside said outer members with the mold sections assembled in casting relation, ejector means slidingly mounted in and guided by at least one of said outer members and operable through its softer lining into engagement with the object cast in said cavity to eject same from the casting cavity, said ejector means being normally constrained to a position projecting from the outer surface of the adjacent outer reinforcing member, and a removable guard plate fitting against the outer surface of said outer member in position covering said ejector means and having a recess for receiving said ejector means to guard said ejector means against actuation and permit application of the guard plate to said outer member without actuating said ejector means.

whose organic substituents consist essentially of

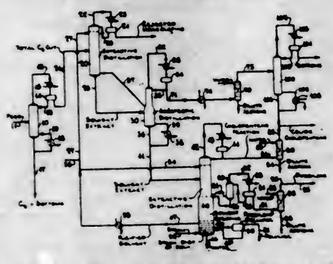
socket for attachment to an end of a pipe, said

2,459,403

SEGREGATION OF C_5 HYDROCARBONS BY EXTRACTIVE AND AZEOTROPIC DISTILLATION

George L. Ahrens, Scotch Plains, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 20, 1944, Serial No. 545,814
2 Claims. (Cl. 202—39.5)



1. The process of separating isoprene and transpiperylene from a debutanized refinery cracked stock of about 5 to 10% isoprene and transpiperylene content, which comprises fractionally distilling the debutanized cracked stock to separate a fraction containing the isoprene and transpiperylene in about 15 to 30% concentratiou, subjecting said fraction in an extractive distillation zone to an extraction distillation in the presence of a solvent having substantial effect upon the relative volatilities of the hydrocarbons present in said fraction, said solvent being aqueous acetone containing about 8% by weight of water and being used in the ratio of between about 2 and 3 parts by volume to 1 part by volume of said fraction, separating a distillation residue containing isoprene and transpiperylene of increased concentration by said extractive distillation, subjecting said residue to azeotropic distillation in which an overhead fraction stream consisting essentially of an azeotropic mixture of isoprene and solvent is obtained, redistilling a resultant residue from said azeotropic distillation in the presence of an added quantity of solvent to separate a distillate stream of transpiperylene and solvent from residual excess solvent, stripping residual hydrocarbons from said excess solvent, recycling the thus stripped solvent into the first mentioned extractive distillation zone for distilling the fraction containing isoprene and transpiperylene of about 5 to 30% concentration, and recovering the separated isoprene and transpiperylene from their respective streams.

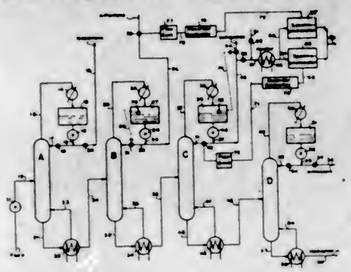
2,459,404

METHOD AND APPARATUS FOR CONTROLLING MULTICOMPONENT SEPARATION PROCESS IN ACCORDANCE WITH LIGHT ABSORPTION CHARACTERISTICS

James A. Anderson, Jr., Goose Creek, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application March 15, 1946, Serial No. 654,574
8 Claims. (Cl. 202—160)

1. In a process involving at least a first stage and a second stage in which a feed stream comprising at least three components is separated to obtain at least first, second, and third successive product streams the predominant component of each of which streams has a unique absorption characteristic for different wave lengths of light, the steps of continuously analyzing at least said second product stream and obtaining therefrom at least two electrical potentials, the first of said potentials being a function of a unique light absorption characteristic at a predetermined wave length of light for the predominant component in said first product stream and the second of said potentials being a function of a unique light absorption characteristic at a different predetermined wave length of light for the predominant component in said third product stream, employing said first potential to control the first stage and said second potential to control the second stage in the process of separating said feed stream into said product streams.



2,459,405

KEY RING

Olof V. Anderson, Cowesett, R. I.

Application November 8, 1944, Serial No. 562,497
5 Claims. (Cl. 70—459)

1. In a key ring, a hollow top, a key retainer comprising a wire element having one end secured in the top and the other end extending upwardly and towards the top, a cooperating closure element pivotally mounted in the top and having a portion extending towards the key receiving end of the wire element, a spring device normally urging said closure element into aligned contact with said key receiving end and yieldingly resisting turning movement of the closure element, whereby to permit insertion of a key over said key receiving end, and a latch device comprising a U-shaped frame, and a cross rod in said frame extending through aligned slots in the sides of the top, said closure element having a notch for releasably holding the frame cross rod.

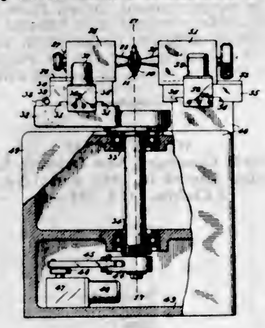
2,459,406

OSCILLATING RACEWAY GRINDER AND METHOD OF GRINDING RACEWAYS

Warren D. Anderson, Glenbrook, Conn., assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn., a corporation of New York

Application June 26, 1946, Serial No. 679,400
20 Claims. (Cl. 51—97)

1. In an oscillating raceway grinder having a workhead rotating a workpiece, a wheelhead rotating a grinding wheel, and a power driven mechanism for oscillating the workpiece about an axis of oscillation, the combination of a power driven mechanism for feeding the workpiece relative to the axis of oscillation, a mechanism for feeding the wheel relative to the axis of oscillation, and a control mechanism integral with the grinder for coordinating said feed mechanisms.

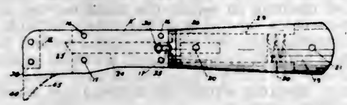


2,459,407

ROOFER'S KNIFE

Daniel C. Beaver, Mason City, Iowa

Application September 5, 1947, Serial No. 772,259
5 Claims. (Cl. 30—337)



5. A cutting implement comprising a pair of elongated plate members, means securing the plate members in parallel spaced relation, a front spacer plate between the forward end portions of the plate members, the bottom edge of said front plate being spaced upwardly from the bottom edges of said plate members, upper and lower spacer plates between the intermediate portions of the plate members, a plunger member slidably positioned between the opposed inner edges of said upper and lower spacer plates and between said plate members, spring means carried between the rear portions of said plate members biasing said plunger member forwardly, a cutting blade having a holding portion adapted to be received in the space between said front spacer plate and the forward edges of said upper and lower spacer plates, said holding portion being formed at its rear edge with a notch adapted to lockingly receive the forward end of the plunger member and with a shoulder at its forward edge adapted to underlie the front spacer plate, one of the plate members being formed with a longitudinal slot, and a pin carried by said plunger member projecting through said slot.

2,459,408

METHOD OF PROLONGING THE USEFUL LIFE OF AQUEOUS ALUMINUM-CASEIN COATING COMPOSITION

John Alfred Bicknell, Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass., a corporation of Massachusetts

No Drawing. Application January 14, 1946, Serial No. 641,172
9 Claims. (Cl. 106—146)

2. The method of preparing the aqueous paper coating composition comprising casein and finely divided aluminum, which comprises dissolving casein in water with the aid of sodium pyrophosphate and a solvent for casein of the group consisting of urea and substituted urea compounds exerting alkaline reaction in aqueous solution, the sodium pyrophosphate being used in an amount insufficient by itself to solubilize the casein and incorporating the finely divided aluminum uniformly through the resulting casein solution.

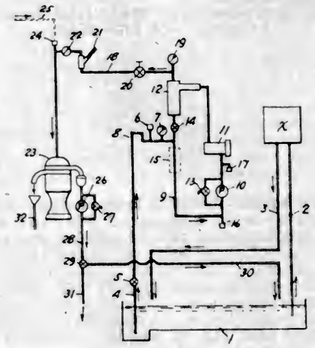
8. An aqueous paper coating composition whose solids content consists essentially of finely divided aluminum, casein, about 5 parts by weight of sodium pyrophosphate per each 100 parts by weight of casein, and urea in an amount at least sufficient to complete solution of the casein.

2,459,409

METHOD FOR PURIFYING USED OILS

Curt Roger Adolf Magnus Björnstjerna, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden

Application February 4, 1946, Serial No. 645,471
In Sweden February 17, 1945
3 Claims. (Cl. 196—16)



1. A method for the continuous purification of used oil, which comprises pumping oil through an endless circuit and heating the oil in a heating locus during its passage through the circuit, continuously flowing oil to be purified from a source of supply into said circuit at a rate less than the rate of flow through the heating locus, continuously releasing a part of the oil flowing through said circuit while reconveying through said circuit the part of the oil not so released, and purifying the released oil and returning it to the supply.

2,459,410

AZEOTROPIC DISTILLATION OF 2,3-DIMETHYLBUTADIENE FROM METHYL PENTADIENE

Richard C. Brandon, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

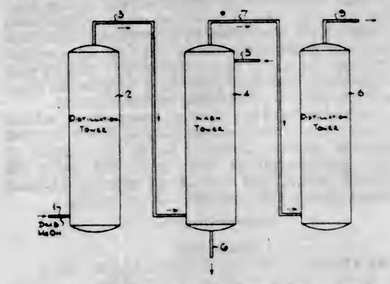
Application March 7, 1947, Serial No. 733,177
2 Claims. (Cl. 202—42)

1. A process for separating 2,3-dimethylbutadiene from its mixtures with methyl pentadiene which comprises adding methanol to the mixture

cured to the adjacent supports whose longitudinal axes are in parallel relationship with the sup-

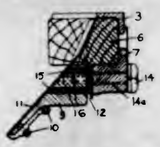
necktie-holding fingers, individual spring clamps on the upper surface of each of said fingers, a

of dimethylbutadiene and methyl pentadiene and distilling the resulting mixture to separate the di-



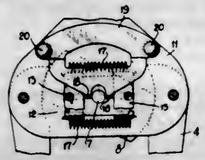
methyl butadiene as an azeotrope with the methanol.

2,459,411
PICKER STICK GUIDE FOR LOOMS
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application September 18, 1946, Serial No. 697,681
7 Claims. (Cl. 139—255)



1. In a bobbin-changing loom having a lay including a lay beam, a lay sword, a lay end, and a shuttle box including part of said lay end as the bottom thereof, there being an ejected bobbin slot in said lay end at the bottom of said shuttle box; an ejected-bobbin guide support unit positioned below and forwardly of said slot, means securing said unit to said lay, and a plurality of set screws positioning said unit on said lay, certain of said screws being adjustable and determining the angular relationship of said unit with respect to the lay.

2,459,412
SELF-STARTING IMPULSE TYPE ELECTRIC MOTOR
George E. Canham, West Orange, N. J., assignor to Schick Incorporated, Stamford, Conn., a corporation of Delaware
Application October 28, 1947, Serial No. 782,507
6 Claims. (Cl. 172—36)



1. In an impulse type motor having field poles, an armature, a shaft therefor and make and break contact mechanism actuated from the shaft, said mechanism being timed to provide for self-starting of the motor from a predetermined position of the shaft upon excitation of the field poles, the improvement which comprises a centrifugal brake operatively associated with the said shaft, including fly weight means driven from the shaft and adapted to contract and expand into and out of braking position, respectively, and a stop located for engagement by the fly weight means when the shaft is at rest in its said self-starting position.

2,459,413
WRIST BAND
David Canovsky, New Orleans, La.
Application August 30, 1944, Serial No. 551,819
2 Claims. (Cl. 224—4)

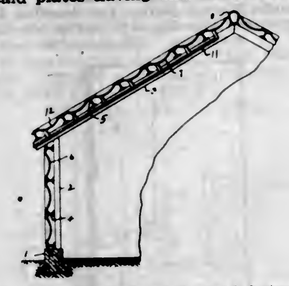
2. A wrist band comprising in combination: a two part band formed with a series of openings in a portion thereof; a second portion overlapping with the opening provided portion a traveller carried by an end of said opening-provided portion, freely slidable on the second portion of the band; a hook pivoted directly on the remaining end of the second portion, engageable with a selected opening to retain the band on the wrist of a wearer; a second traveller freely slidable on said opening-provided portion; and a second hook pivotally carried by said second traveller adapted to overlap said first named hook and engage an adjacent opening while the first-named hook is in holding position.

2,459,414
PRODUCTION OF SODA ASH
Egbert Wendell Carrier, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 7, 1942, Serial No. 464,835
2 Claims. (Cl. 23—63)

1. Process for the manufacture of soda ash, which comprises maintaining a fluidized mass of previously manufactured soda ash in a rising carbon dioxide gas stream within a confined reaction zone, introducing sodium bicarbonate into said reaction zone, decomposing said bicarbonate while in said zone into soda ash, carbon dioxide and water vapor, withdrawing soda ash solids from said reaction zone, separating the soda ash solids withdrawn from the reaction zone into two streams, heating one of said streams to a temperature substantially higher than the temperature in said reaction zone, returning the thus heated stream of soda ash solids directly into said reaction zone to maintain the decomposition temperature for decomposing the sodium bicarbonate therein, and cooling the other stream of withdrawn soda ash solids to recover the desired soda ash product.

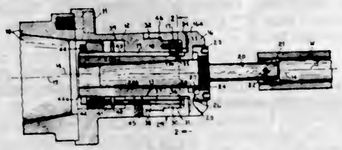
2,459,415
ROOF AND WALL STRUCTURE
Alois Cibulka, Highlands, Tex.
Application April 13, 1945, Serial No. 588,137
2 Claims. (Cl. 108—13)

1. In building construction, an inclined roof framework having spaced supports whose longitudinal axes are horizontal, a series of sheet metal plates arranged in adjacent relationship between the supports and whose margins are secured to the adjacent supports whose longitudinal axes are in parallel relationship with the supports, said plates having end flanges and being



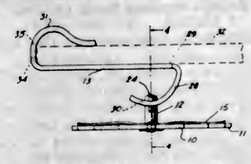
concavo-convex from end to end between said flanges with the concave sides upwardly forming troughs.

2,459,416
ADAPTER FOR BORING BARS
Adolph H. Davis, Norwood, Ohio, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 22, 1948, Serial No. 22,659
3 Claims. (Cl. 77—58)



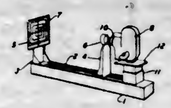
1. In an adjustable boring tool support having a rotatable tool spindle member, a tool shank, and means for mounting said tool shank on said rotatable member including, means to affect an axial adjustment of said tool shank in an acute angular relationship to the axis of rotation of said tool spindle so as to affect an accurately controlled radial adjustment of the tip of a cutting tool bit on said tool shank, micrometer nut means, a resilient back-lash free connection from said tool shank member to one side of said nut means, and a direct positive connection from said shank member to the opposite side of said nut means so that rotation of said nut means affects minute and accurately controlled positions of axial adjustment of said tool shank while a constant contact pressure is maintained at said connections for any position of said adjustment.

2,459,417
PORTABLE NECKTIE RACK
Ralph E. Dodge, Takoma Park, Md.
Application February 28, 1947, Serial No. 731,594
3 Claims. (Cl. 211—89)



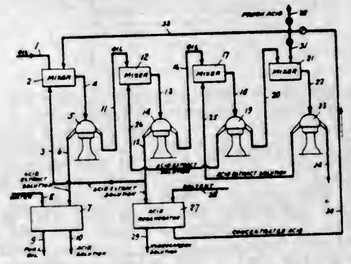
1. In a portable necktie rack, the combination, which comprises a wheel with radially extending necktie-holding fingers, individual spring clamps on the upper surface of each of said fingers, a vertically disposed centrally positioned post extending upward from the upper surface of the wheel, means rotatably mounting the wheel on the post, a bracket with a spring clip at one end and a slotted arcuate element at the other end, and means comprising projections on the sides of the post slidably mounting said post retainably in the slot of said arcuate element.

2,459,418
LIGHT SPOT AND REFLECTOR MEANS FOR ALIGNMENT OF CAMERAS FOR TITLE PURPOSES
George D. Ellis, Los Angeles, Calif.
Application December 8, 1945, Serial No. 633,610
4 Claims. (Cl. 88—24)



1. In a device for photographing titles, the device including an elongated base with a camera lens supported at one end and a target card with lines forming rectangles supported at the other end, the axis of the lens and the center of the card being substantially in alinement, a removable cap attached to the lens and having a mirror therein which is perpendicular to the axis of the lens and in a plane which is parallel to the plane of the card, an aperture in a predetermined position along one of the lines on the card through which light rays can pass and be directed to the mirror and reflected back onto the card to an opposite line for lens alining purposes.

2,459,419
METHOD OF REFINING HYDROCARBON OIL
Bruno Kuno Engel, Hoglandstorget, and Fredrik Teodor Emanuel Palmqvist, Stockholm, Sweden, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden
Application December 8, 1945, Serial No. 633,768
1 Claim. (Cl. 196—40)



The process of refining mineral oils and mineral oil products, which comprises continuously introducing, in a primary treating step, fresh and concentrated sulphuric acid into a stream of oil to be refined, and in which primary treating step the acid is caused to act upon the oil at a temperature not exceeding 20° C. and during a period not exceeding four minutes, whereby by means of acid only the more unstable components of the oil are dissolved, while substantially inhibiting water yielding reactions by the same, passing the oil

and acid mixture through a locus of centrifugal force to separate the mixture into two phases, one of which is a pre-refined oil product whereas the other is an acid solution of said more unstable components of the oil, and subjecting said pre-refined oil to a further treatment comprising a plurality of steps each of which involves addition of an acid refining agent and in which the acid refining agent is caused to act upon the oil in counter-current thereto, each counter-current step involving centrifugal separation of the mixture into a refined oil product and an acid solution containing the less unstable soluble components of the oil.

2,459,420

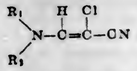
β-AMINO-α-CHLOROACRYLONITRILES AND METHODS OF PREPARATION

John G. Erickson, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 7, 1947, Serial No. 767,345

7 Claims. (Cl. 260—465)

1. β-amino-α-chloroacrylonitriles of the general formula



wherein R_1 and R_2 are chosen from the group consisting of hydrogen, alkyl, aryl.

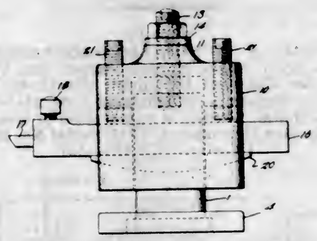
2,459,421

TOOL POST FOR LATHES

Isham H. Fann, Washington, D. C.

Application September 20, 1946, Serial No. 698,207

1 Claim. (Cl. 82—37)



A tool post for use in a lathe carriage having a T-slot therein comprising a rectangular washer adapted to slidably fit in said slot and provided with an internal undercut wall, a longitudinally slotted stud extending out of said washer and adapted to project upwardly of said carriage, said stud having a base flange fitting in said washer and locked therein by said wall of the washer, a sleeve fitting over said stud and provided with opposed side slots registering with the slot in said stud, a tool holder bar slidably extended through said slots, means to clamp said bar in the side slots of said sleeve, and means to feed said sleeve along said stud toward said washer adapting said sleeve to clampingly engage said carriage and said washer to similarly engage the top of said T-slot, the first-mentioned means comprising a rocker bar extending through said slots below said tool holder bar, and set screws in said sleeve extending into said side slots and bearing against the top of the tool holder bar.

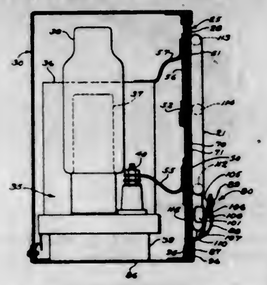
2,459,422

EXCITING MEANS FOR HIGH-FREQUENCY DISPLAY TUBES

Charles Harvey Fuller, Los Angeles, Calif.

Application May 31, 1947, Serial No. 751,545

8 Claims. (Cl. 315—248)



1. Means for exciting a gaseous discharge tube of substantially plane configuration, said means comprising means for positioning the tube in a given plane, two electrodes spaced from each other and having a relatively high electrical capacity relation with respect to ionized gas in the positioned tube, a third electrode intermediate the said two electrodes and having a relatively low electrical capacity relation with respect to ionized gas in the positioned tube, the third electrode being electrically connected to one of the said two electrodes, and electrical circuit means for applying a high frequency oscillating voltage between the other of the said two electrodes and the pair of connected electrodes.

2,459,423

REACTION OF ORGANIC COMPOUNDS WITH HYDROGEN HALIDES

Arthur Ira Gebhart, Union, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

No Drawing. Original application April 8, 1942, Serial No. 438,075. Divided and this application November 13, 1943, Serial No. 510,219

10 Claims. (Cl. 260—663)

1. The process of reacting organic compounds with a hydrogen halide which comprises intimately contacting a hydrogen halide from the group consisting of hydrogen chloride and hydrogen bromide with an organic reactant while at least one of said halide and said reactant is dissolved in liquid sulphur dioxide.

2,459,424

ANTHRIMIDE CARBAZOLE DYESTUFFS

Hermann Hauser, Binningen, and Max Bommer, Riehen, Switzerland, assignors to the Swiss firm of Ciba Limited

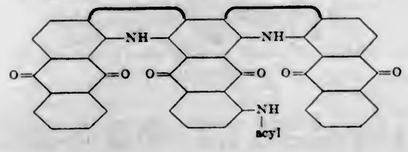
No Drawing. Application April 20, 1943, Serial No. 483,804. In Switzerland April 18, 1942

Section 1, Public Law 690, August 8, 1946

Patent expires April 18, 1962

2 Claims. (Cl. 260—316)

1. An anthrimide-carbazole of the formula:



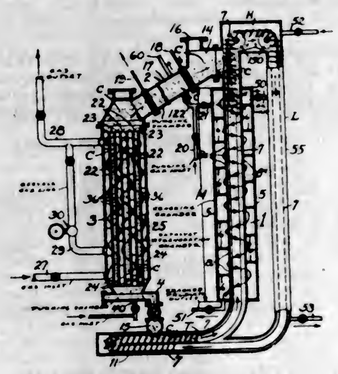
2,459,425

APPARATUS FOR CONTACTING GASEOUS FLUIDS WITH SOLIDS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Original application April 1, 1939, Serial No. 265,288. Divided and this application December 11, 1942, Serial No. 468,624

2 Claims. (Cl. 23—288)



1. An apparatus of the character described including in combination an elongated vertical vessel, a continuous conveyor adapted to move upwardly through said vessel for moving granular catalyst upwardly through said vessel, a gas inlet communicating with the upper portion of said vessel, an outlet communicating with the lower portion of said vessel, a second vertical vessel including a casing containing a plurality of vertical shafts having perforated side walls, alternate shafts having caps on the top thereof, tubular means connecting the upper portion of said first vessel with the upper portion of said second vessel, a second inlet for introducing gas into the lower portion of said second vessel, horizontal baffles arranged only in alternate capped vertical shafts to direct gas introduced through said second inlet to flow transversely through the uncapped perforated vertical shafts, a second outlet for removing gas from the upper portion of said second vessel and tubular means connecting the bottom portions of said vessels.

2,459,426

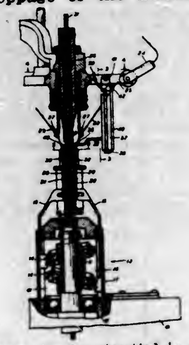
AUTOMATIC STOP MOTION FOR KNITTING MACHINES AND THE LIKE

George E. Henning and Clay E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 14, 1947, Serial No. 747,976

13 Claims. (Cl. 66—166)

1. In a knitting machine arranged to knit a textile covering around a continuously advancing core which oscillates excessively upon the occurrence of a faulty knitting operation of the machine, a potential generating element arranged to be actuated by the oscillatory movement of the core, and means electrically connected to said potential generating element for effecting a stoppage of the knitting machine



when a predetermined potential is generated by said element.

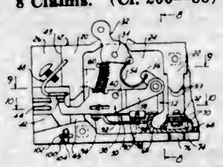
2,459,427

CIRCUIT BREAKER

Harold Albert Humpage, Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J., a corporation

Application May 24, 1945, Serial No. 595,556

8 Claims. (Cl. 200—88)



7. In a circuit breaker having relatively movable companion contacts engageable with and disengageable from each other and a flexible bimetallic current-carrying strip, the combination with a movable one of said contacts and with said strip of electro-magnetic means operable in response to the current carried by said strip to flex said strip for effecting relative movement of said contacts, said electro-magnetic means comprising a magnetic member positioned in such relation to said current-carrying strip that the latter constitutes the energizing current-conductor of said magnetic member, and an armature mounted so that said magnetic member moves toward said armature when a current of predetermined strength flows in said strip, said magnetic member being operatively connected to said strip to flex the latter in response to said movement of the magnetic member toward said armature, said strip and said magnetic member and its armature being all secured together as a unit with said movable one of said relatively movable contacts.

2,459,428

AIR CLEANER

Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

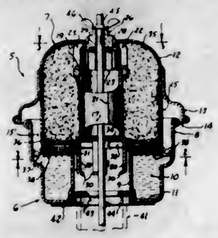
Application April 19, 1945, Serial No. 589,197

3 Claims. (Cl. 183—15)

1. In an oil bath air cleaner for carburetors having an upwardly opening air inlet duct and provided with means for drawing the air cleaner down onto the mouth of its air inlet duct: a

slots and bearing against the top of the tool holder bar.

casing comprising opposed upper and lower cup-like sections, the latter providing a reservoir for a quantity of oil and being adapted to rest on the mouth of the carburetor inlet duct; the contiguous open ends of the cup-like sections being radially spaced to provide an annular air inlet into the cleaner casing; a discharge duct for cleansed air disposed axially within the casing with its inlet end adjacent to the top of the upper casing section, and its outlet end connected to and opening through the bottom of the lower casing section for delivery of cleansed air to the carburetor inlet duct, said discharge duct defining a closed passageway so that oil contained in the reservoir



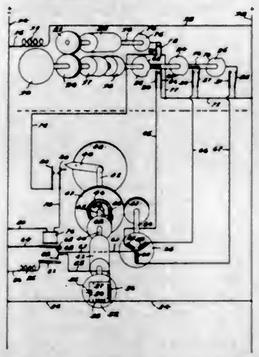
is precluded from entering the duct; filter means within the casing between the air inlet into the casing and the inlet to the discharge duct; means providing a permanently fixed connection between the top wall of the upper casing and the inlet end of the discharge duct whereby the upper casing section is supported by the discharge duct, said means having a surface spaced from the adjacent top wall of the upper casing section to receive the downward thrust of the means by which the cleaner is held down onto the mouth of the carburetor air inlet duct and for transferring the force of said downward thrust onto the discharge duct and thereby relieving the walls of the upper casing section of forces likely to produce distortion thereof.

2,459,429

CONTROL APPARATUS FOR TRAFFIC SIGNALING SYSTEMS

Walter M. Jeffers, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York

Application March 23, 1942, Serial No. 435,770
4 Claims. (Cl. 177—337)



1. A traffic signal control apparatus for an inter-connected signal system comprising a master timer and a secondary timer, said secondary timer including a driving motor, motion transmitting means including compensating gearing connecting said motor to the timer, a series of switches periodically operable by the master timer in a predetermined succession, an electro-responsive impulse device connected to said gearing and said device having a series of driving coils, each coil being connected in circuit through one of said switches, and said device being cooperable with said gearing as each coil is connected in circuit to vary the speed of the secondary timer.

2,459,430

PRODUCTION OF ETHYLENE CYANOHYDRIN

Albert W. Jefts and Joseph A. Schmidlein, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 4, 1946, Serial No. 667,488
2 Claims. (Cl. 260—465.6)

1. A method of producing ethylene cyanohydrin which comprises bringing ethylene oxide together with hydrocyanic acid into contact with a heated aqueous suspension of a compound selected from the group consisting of magnesium oxide, magnesium hydroxide, and magnesium cyanide in which the aqueous suspension is maintained at a temperature within the range of 40 to 100° C.

2,459,431

COLD PROCESSED FRUIT SPREAD

Gestur Johnson, Albany, and Mildred May Boggs, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application April 26, 1946, Serial No. 665,038
13 Claims. (Cl. 99—132)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process of preparing gelled fruits in which a fruit of the group consisting of fruit juice, pureed fruit, pureed fruit containing crushed fruit, and pureed fruit containing sliced fruit, is mixed with an amount of powdered high-methoxyl pectin not to exceed 1 percent of the finished product by weight, and with an amount of sugar such that the mixture at this stage does not contain in excess of 30 percent of soluble solids by weight; stirring the mixture at room temperature until the pectin is hydrated; adjusting the pH of the mixture to 3.5 or below by adding a fruit acid, when the pH of the mixture is above 3.5; then adding more sugar in an amount to total 40 to 55 percent of added sugar and to result in a finished product having from 45 to 60 percent of soluble solids, the mixture being allowed to stand at about 70° F. to 100° F. until gelled.

2,459,432

SEPARATION OF CINEOLES FROM HYDROCARBONS OF SIMILAR BOILING RANGE BY AZEOTROPIC DISTILLATION WITH PHENOLS

Harold E. Johnson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Continuation of application Serial No. 726,958, February 6, 1947. This application August 20, 1948, Serial No. 45,443
9 Claims. (Cl. 202—42)

1. The process of separating the cineole and hydrocarbon constituents of a mixture containing cineoles and hydrocarbons of similar boiling range which comprises subjecting said mixture to fractional azeotropic distillation in the presence of phenol as the azeotropic agent.

2,459,433

SEPARATION OF CINEOLES FROM HYDROCARBONS OF SIMILAR BOILING RANGE BY AZEOTROPIC DISTILLATION WITH PHENOLS

Harold E. Johnson, Wilmington, and Harold M. Spurlin, Marshallton, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 6, 1947, Serial No. 726,958
3 Claims. (Cl. 202—42)

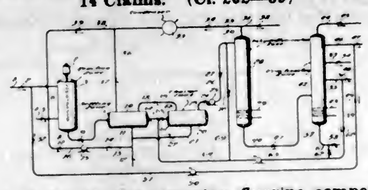
1. The process of separating the cineole and hydrocarbon constituents of a mixture containing cineoles and hydrocarbons of similar boiling range which comprises subjecting said mixture to fractional azeotropic distillation in the presence of phenol as the azeotropic agent, recovering hydrocarbon-phenol and cineole-phenol azeotropes as separate fractions, and subjecting each individual azeotrope to fractional steam distillation with water reflux.

2,459,434

DISTILLATION OF HYDROCARBONS TO REMOVE FLUORINE COMPOUNDS

Elmer R. Kanhofer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application August 31, 1944, Serial No. 552,127
14 Claims. (Cl. 202—39)



1. A process for removing fluorine compound as hydrogen fluoride from a mixture of reaction products comprising unconverted reactant, higher boiling reaction product and fluorine compound, which comprises fractionally distilling said mixture to separate hydrogen fluoride from the unconverted reactant and higher boiling reaction product, thereafter separating by fractionation the unconverted reactant from the higher boiling reaction product, and recycling at least a portion of the said higher boiling reaction product to the first mentioned fractional distillation step.

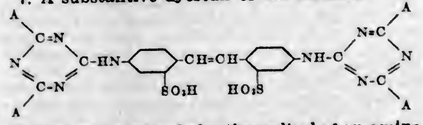
2,459,435

SUBSTANTIVE TRIAZINE AZO DYES

Ernst Keller and Reinhard Zweidler, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm

No Drawing. Application August 28, 1944, Serial No. 551,622. In Switzerland September 1, 1943
10 Claims. (Cl. 260—153)

7. A substantive dyestuff of the formula



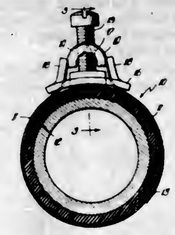
wherein each A stands for the radical of an amine

2,459,436

HOSE CLAMP

Rudolf G. Krasberg, Chicago, Ill.

Application December 22, 1945, Serial No. 636,591
6 Claims. (Cl. 24—19)



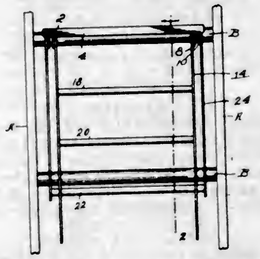
1. A clamp, which comprises a circular banding member having overlapping portions, a yoke member having a central opening therethrough, one of said overlapping portions forming a loop which passes through the opening in said yoke, and means carried by said loop and held in spaced relation with respect to said other overlapping portion to draw the loop through said opening to decrease the size of said banding member to tighten the same against objects to be clamped together, and to maintain the circular arrangement of said banding member whereby to bring equalized pressure to bear on objects to be clamped by said banding member only.

2,459,437

ADJUSTABLE LADDER ATTACHMENT

Earl E. Kreissler and Francis C. Wilkinson, Kansas City, Mo.

Application October 26, 1945, Serial No. 624,698
1 Claim. (Cl. 248—238)



An attachment for ladders comprising a platform adapted to rest at one end upon a rung of the ladder and provided at said end with depending means for engaging one side of the rung, lugs fixed to the underside of the platform and spaced to extend downward adjacent to the other side of the rung, arms operably connected to the lugs and extending downwardly to bear against a lower rung of the ladder, a transverse rung fixed to and uniting the lower portions of the arms,

1. A traffic signal control apparatus for an inter-connected signal system comprising a

9 Claims. (Cl. 202—42)

1. The process of separating the cineole and hydrocarbon constituents of a mixture contain-

wherein each A stands for the radical of an amine

dow-handle engaging loop in the central area of said article-supporting portion, and fabric-engaging elements secured to the under-surface of the edge of said article-supporting portion from which said intermediate portion extends.

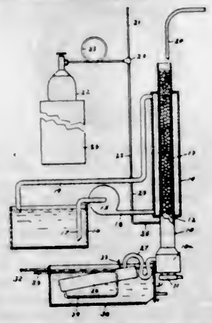
legs spaced inwardly from the arms and operably connected at their upper portions to the platform near the opposite end from the depending means and having their lower portions adjustably engaging said transverse rung, said legs having forwardly extending knees at their upper portions, a transverse rung uniting the knees, and a rung spaced intermediate the last-mentioned rung and the rung uniting the lower portions of the arms, said rungs on the arms and legs being spaced to give ready access to the platform.

2,459,438
MANUFACTURE OF HYDROFLUORIC ACID

Harry C. Kremers, Cleveland Heights, and Irwin E. Johnson, Cleveland, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio

Application August 23, 1945, Serial No. 612,286

2 Claims. (Cl. 23—153)



1. A process of continuously producing aqueous HF of uniform HF content comprising the steps of producing a mixture of gaseous anhydrous HF containing SO_2 as an impurity with a gas inert thereto in the proportion of from ¼ to 5 volumes of inert gas for each volume of HF, passing the resulting gaseous mixture at a constant rate into a packed, vented column whereby it may pass upwardly therethrough, passing water downwardly through said packed column also at a constant rate whereby it absorbs HF from said gaseous mixture but the SO_2 is flushed out by the inert gas, maintaining the temperature in the hottest portion of said packed tower approximately constant, and removing the resulting aqueous HF.

2,459,439
POLYMERIC MATERIALS FROM ISO- AND ISOTHIOCYANATES WITH ACRYLIC ACIDS

Joy G. Lichty, Stow, and Nelson V. Seeger, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 16, 1943, Serial No. 502,634

7 Claims. (Cl. 260—79)

1. A process of forming a solid rubbery polymeric material which comprises reacting from one to two mols of a monomer selected from the group consisting of acrylic acid, alpha methacrylic acid, alpha ethacrylic acid, alpha phenyl acrylic acid, alpha chloroacrylic acid, alpha bromoacrylic acid, alpha methoxyacrylic acid and alpha beta dichloroacrylic acid with one mol of a material selected from the group consisting of organic diisocyanates having as the sole functional constituents two isocyanate radicals and organic diisothiocyanates having as the sole functional constituents two isothiocyanate radicals at a temperature between 100°–150° C.

2,459,440
PROCESS OF PRODUCING WAX ESTERS OF HYDROCARBON SULFONATES

Eugene Lieber, West New Brighton, N. Y., and Aloysius F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 1, 1943, Serial No. 471,014

7 Claims. (Cl. 260—456)

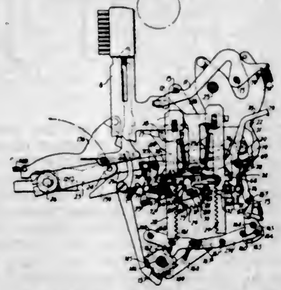
1. The process which comprises reacting a thiourea with a halogenated organic compound having the general formula RX_n in which R is a hydrocarbon radical of at least 8 carbon atoms and containing an aliphatic group, X represents halogen connected to R by linkage to aliphatic carbon and n represents the number of halogen atoms, converting the resulting pseudo-thiourea product by means of water and halogen into the corresponding sulfonyl halide, treating the latter with a basic metal neutralizing agent to form the corresponding metal sulfonate derivative, and finally condensing the latter with chlorinated petroleum wax to produce an oil-soluble wax ester of a hydrocarbon sulfonate.

2,459,441
COMPUTING MACHINE

Walter E. Lippert, Jackson Heights, N. Y., assignor to Underwood Corporation, a corporation of Delaware

Application December 20, 1938, Serial No. 246,856

1 Claim. (Cl. 235—60)



In a calculating machine having cycling mechanism, a totalizer, sets of actuators respectively at opposite sides of said totalizer, means for shifting the totalizer into engagement with one or the other of said actuator sets and to a neutral position between them, a mechanism operable to effect tens-transfers by an extra step of movement of said actuators, total-taking control means, and means operated by said cycling mechanism prior to total-taking for moving the totalizer to neutral position and restoring actuators that have been moved an extra step; the combination with the foregoing of supplemental means for restoring actuators that have been moved an extra step when the totalizer moves from one set of actuators to the other in conditioning the machine for total-taking, comprising movable means positioned opposite the actuators, a rotatable member having cams, a connection from said rotatable member to said means

for shifting the totalizer from one set of actuators to the other, means preventing rotation of said rotatable member except when said total-taking control means operates to condition the machine for total-taking and enabling rotation of said member to cam-operate said connection and said movable means upon subsequent cycling of the machine.

2,459,442
SEPARATION OF HYDROCARBONS

Moses Robert Lipkin, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey

No Drawing. Application December 5, 1945, Serial No. 633,037

4 Claims. (Cl. 260—677)

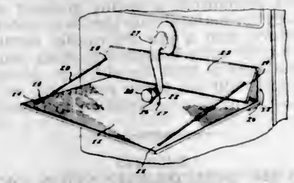
1. A cyclic process for separating an unsaturate non-aromatic hydrocarbon from a hydrocarbon mixture containing the same together with at least one saturate hydrocarbon which comprises treating said mixture in liquid phase with silica gel to preferentially adsorb said unsaturate hydrocarbon therefrom and to yield a liquid of higher saturate content, then washing the used adsorbent, at ordinary temperature and without heating, with an essentially saturate hydrocarbon liquid other than said liquid of higher saturate content, in sufficient amount to substantially desorb the unsaturate hydrocarbon and to simultaneously reactivate the adsorbent for re-use, said essentially saturate hydrocarbon liquid being the sole desorbing agent employed, withdrawing from the adsorbent a liquid mixture of desorbing agent and unsaturate hydrocarbon, and then, while the adsorbent is still wet with desorbing agent, directly re-using the adsorbent for further separation of unsaturate hydrocarbon in the manner specified.

2,459,443
TRAY

Steve M. Mabry, Yokena, Miss.

Application April 1, 1947, Serial No. 738,669

2 Claims. (Cl. 311—22)



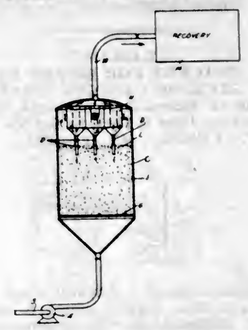
2. A tray arranged to be mounted on the inner side of a vehicle door having a window-operating handle comprising a rectangular piece of sheet material including an article-supporting portion, an intermediate portion folded along one edge of said article-supporting portion to a position substantially perpendicular thereto, and a flap portion folded along the outer edge of said intermediate portion toward said article-supporting portion, said article supporting portion having an aperture in each outer corner thereof and a pair of closely-spaced apertures in the central area thereof, a cord secured at its ends to the opposite ends of said flap portion and extending through the apertures in the outer corners of said article-supporting portion and through the apertures in the central area of said article-supporting portion to provide a respective brace between each outer corner of said article-supporting portion and the corresponding end of said flap portion and a win-

2,459,444
HYDROCARBON SYNTHESIS

Thomas C. Main, San Antonio, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application November 8, 1946, Serial No. 708,626

8 Claims. (Cl. 260—449.6)



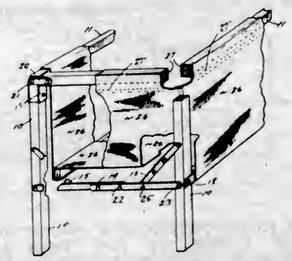
1. The method of synthesizing hydrocarbons and oxygenated hydrocarbons from a gaseous feed containing carbon monoxide and hydrogen which comprises forcing a mixture of carbon monoxide and hydrogen into a reaction zone containing a bed of fluidized iron catalyst, maintaining elevated temperatures and pressures in the reaction zone, insuring good fluidization of the iron powder therein by mixing with the iron a quantity of a powdered inert material having a particle size larger than that of the powdered iron but of lower density than said iron whereby classification of the two materials is avoided and a homogeneous mixture thereof is obtained in said reaction zone and withdrawing from the reaction zone a product containing a normal liquid hydrocarbon.

2,459,445
FOLDING INFANT'S CRIB

William M. McClintock, New Kensington, Pa., and Chester N. McCandless and Dean E. McCandless, Youngstown, Ohio

Application September 11, 1946, Serial No. 696,078

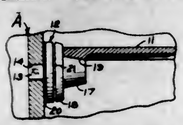
6 Claims. (Cl. 5—99)



1. A folding structure comprising four straight legs, a pair of upper side rails, a pair of lower

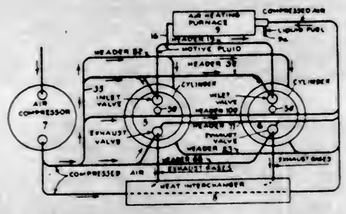
side rails, a pair of upper end rails, and a pair of lower end rails, each of said upper side rails being supported at its ends on two of said legs, each upper side rail being secured at one end to its supporting leg by a pivotal connection, the center of which is offset from said leg and at the other end to its supporting leg by a pivotal connection the center of which is offset from said rail, said upper end rails being detachably secured at each end to the ends of said upper side rails, said lower side rails being detachably secured at each end to one of said legs, and each of said lower end rails being pivotally secured at each end to one of said legs and comprised of two members having a central knee joint.

2,459,446
ROLLER BRACKET FOR ROUND REFRIGERATOR OR CABINET SHELF
Joe H. Meredith, Springfield, Mo.
Application June 1, 1945, Serial No. 597,105
1 Claim. (Cl. 308—231)



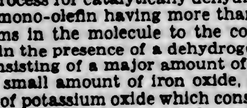
The combination of a movable shelf, a bracket comprising a disc shaped member having diametrically opposed bearing members formed thereon at the center thereof, one of said bearing members being square shaped in cross section and adapted to be detachably seated in a support, the other of said bearing members being circular in cross section, a roller journalled on said circular bracket for the engagement of the shelf therewith to permit free rotation of the roller, a flange on said roller of the same diameter as said disc shaped member, said roller being downwardly tapered on the contact edge thereof, a rubber washer on the square shaped bearing member and a steel washer on the circular bearing member to permit free rotation of said roller, and a track on said shelf conforming to the taper of the contacting surface of said roller to permit smooth sliding motion of said shelf.

2,459,447
APPARATUS FOR CONVERTING HEAT ENERGY INTO USEFUL WORK
Humphreys Milliken, Mount Royal, Quebec, Canada
Application March 4, 1944, Serial No. 525,034
9 Claims. (Cl. 60—44)



6. An engine comprising a cylinder, a piston operating therein, an inlet valve chamber through which motive fluid is delivered to said cylinder to operate said piston, an inlet valve in said chamber controlling the opening through which the motive fluid enters said cylinder, a motive fluid inlet header partially surrounded by a cooling jacket and provided with an outlet through which motive fluid passes from said header to said chamber, means for supplying to said header a hot gaseous motive fluid at a high temperature and pressure and means for intermittently supplying to the cooling jacket of said header a cooling medium consisting of compressed air at a temperature below the temperature of the motive fluid.

2,459,448
BALL-AND-SOCKET VEHICLE COUPLING
William Moffet Murray, North Balclutha, New Zealand
Application June 26, 1945, Serial No. 601,652
In New Zealand January 31, 1945
1 Claim. (Cl. 280—33.17)

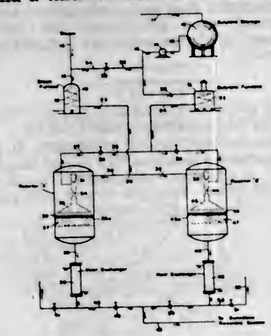


A trailer or like hitch, including a body formed at one end for one connection of the hitch and at the opposite end with a part ball receiving socket, a block swingingly supported in the body and formed to cooperate with the body part of the socket to complete the ball receiving portion of the hitch, the completed socket having a ball entrance materially less in width than the diameter of the ball, and the ball part of the socket formed in the body having an integral restricted retaining lip to underlie the second hitch connecting element received in the socket, said hitch connecting element being in the form of a ball, means carried by the ball for connecting the ball to the second element of the hitch, a lever pivotally mounted in the body and connected to and for operating the block relative to its socket formation, a spring pressed element in the body for maintaining the lever under yielding pressure, and a pin removably mounted in the body to directly engage the block independent of the lever to hold the block in socket forming relation, said pin being removable to permit block movement in one direction to free the ball member.

2,459,449
CATALYTIC DEHYDROGENATION OF OLEFINIC HYDROCARBONS WHILE MAINTAINING THE POTASSIUM CONTENT OF THE CATALYST
Eugene H. Oliver, Baytown, and Charles F. Van Berg, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 10, 1946, Serial No. 675,813
10 Claims. (Cl. 260—680)

1. A process for catalytically dehydrogenating a normal mono-olefin having more than three carbon atoms in the molecule to the corresponding diolefin in the presence of a dehydrogenating catalyst consisting of a major amount of magnesium oxide, a small amount of iron oxide, and a small amount of potassium oxide which consists of passing a mixture of said mono-olefin and steam at a reaction temperature through a bed consisting of a thin first layer of said dehydrogenating catalyst

containing a relatively large amount of potassium oxide and a thick second layer of said dehydrogenating catalyst containing a relatively small amount of potassium oxide.

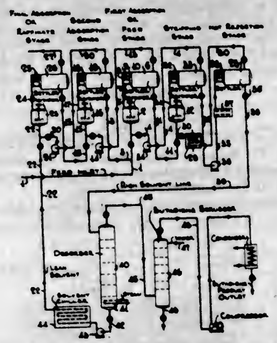


2,459,450
NONREFILLABLE BOTTLE
William F. Owen, Daytona Beach, Fla.
Application February 23, 1946, Serial No. 649,558
7 Claims. (Cl. 215—25)

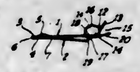
1. The combination of a bottle having a neck with fluted inner walls and spaced valve seats, valves mounted on the seats, one valve being a float valve and the other a non-float valve, a cap having an outlet passage and being permanently fixed to the neck, together with means in the neck and upon the cap for permanent fixture of the cap on the neck, said passage being U-shaped, an inclined tube connecting therewith, an air passage for permitting air to enter the bottle, said cap having an annular flange sealed to the bottle neck, a gap in said air passage, said tube forming a spout and projecting beyond the outer surface of the cap.

2,459,451
BUTADIENE EXTRACTION
John W. Packie, Green Village, and Edwin M. Glasier, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 2, 1945, Serial No. 575,817
8 Claims. (Cl. 260—681.5)

1. In the liquid phase solvent extraction of an olefin from a mixture of olefins and saturated hydrocarbons in a plurality of stages each stage comprising a turbine-type agitator and a settling chamber in which (1) the solvent passes through the stages in progressively increasing concentration of the olefin content and the hydrocarbon mixture passes through the stages in progressively decreasing content of the olefin, (2) fresh hydrocarbon is intimately contacted with a preferential solvent for an olefin in a feed stage, (3) the mixture of hydrocarbon and solvent is first passed to the turbine type agitator of the feed stage and then to the settling chamber of the feed stage to form a solvent phase and a hydrocarbon phase, (4) the solvent phase after being separated is contacted with a hydrocarbon phase, having a higher olefin concentration than the hydrocarbon phase from which it was separated, (5) the hydrocarbon phase after being separated is contacted with a solvent phase, having a lower olefin content than the one from which it was separated, (6) the solvent phase after passing through the turbine type agitator and settling chamber of the last stage is heated and passed to a settling chamber to expel in the liquid phase substantially all hydrocarbons except the desired olefin, (7) the expelled hydrocarbons are separated from the solvent phase in the said settling chamber, (8) the separated hydrocarbons are recycled to the solvent phase passing to the turbine type agitator and settling chamber of the last stage and (9) the olefin is expelled from the said solvent phase, from which substantially all of the hydrocarbon except the desired olefin was expelled, by heating to a sufficiently high temperature to vaporize the olefin, the improvement which comprises increasing the speed of agitation in each turbine-type agitator succeeding the feed stage in the direction of hydrocarbon flow and maintaining the speed of the agitation in each turbine-type agitator succeeding the feed stage in the direction of solvent flow at substantially the same rate as that in the final stage following the feed stage in the direction of hydrocarbon flow.



2,459,452
CLAMP
Kenneth Reiner, Los Angeles, and Armand Braga, Eagle Rock, Calif.; said Braga assignor to said Reiner
Application July 24, 1946, Serial No. 685,995
10 Claims. (Cl. 132—46)



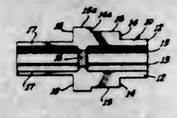
1. In a clamp of the kind described, the combination of two members having clamping jaws, said members having correlated means integral respectively with said members, said means engaging each other and enabling the said members to rock upon each other toward an open position, one of said members having a resilient integral extension projecting toward the clamping jaws, engaging the other member and urging the jaws toward their closed position.

for receiving the compressed air which balances

operating therein, an inlet valve chamber through which motive fluid is delivered to said cylinder to operate said piston, an inlet valve in said chamber controlling the opening through

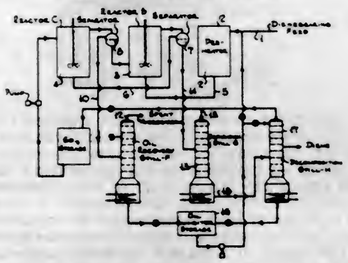
ing a mixture of said mono-olefin and steam at a reaction temperature through a bed consisting of a thin first layer of said dehydrogenating catalyst

2,459,453
EXPANDING ARBOR
William K. Rieber, Los Angeles, Calif.
Application June 1, 1945, Serial No. 597,113
10 Claims. (Cl. 279—2)



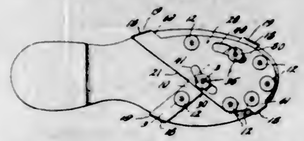
1. An expanding arbor which comprises a plurality of fingers of arcuate cross section resiliently held in spaced parallel relation about a common fulcrum disposed intermediate their ends and forming a substantially complete tubular shell around said fulcrum, whereby radial movement of said fingers on one side of said fulcrum causes reciprocal movement of said fingers on the other side of said fulcrum.

2,459,454
CONCENTRATION OF PIPERYLENE
Richard F. Robey, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1945, Serial No. 638,520
2 Claims. (Cl. 260—681.5)



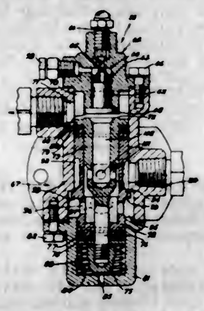
1. A continuous process for recovering piperylene from a mixture of hydrocarbons containing five carbon atoms to the molecule by reacting piperylene with liquid sulfur dioxide to form piperylene monosulfone comprising the steps of passing an anti-oxidant treated hydrocarbon mixture containing piperylene in sequence through a first and second reaction zone, contacting the mixture in the first reaction zone with an excess of a liquid sulfur dioxide phase containing dissolved piperylene monosulfone formed in the second reaction zone, passing the reaction products from the first reaction zone to a first separation zone wherein the reaction products separate into a piperlyene monosulfone phase and an unreacted hydrocarbon phase, passing the unreacted hydrocarbon phase to the second reaction zone, contacting the unreacted hydrocarbon phase in the second reaction zone with an excess of anti-oxidant treated liquid sulfur dioxide, maintaining the unreacted hydrocarbon phase and liquid sulfur dioxide in the second reaction zone at a reaction temperature of about 100° C., passing the reaction products from the second reaction zone to a second separation zone wherein the reaction products separate into said liquid sulfur dioxide phase containing dissolved piperylene monosulfone which is passed to the first reaction zone and a second unreacted hydrocarbon phase, removing said second unreacted hydrocarbon phase from the second separation zone for recovery of hydrocarbons therefrom, and passing the piperylene monosulfone phase from the first separation zone to a decomposition zone in which the piperylene monosulfone is decomposed to piperlyene and sulfur dioxide.

2,459,455
DETACHABLE SHOE CLEAT
Melvin A. Robinson, Washington, D. C.
Application November 3, 1947, Serial No. 783,731
5 Claims. (Cl. 36—7.7)



1. A detachable shoe cleat comprising a pair of elements: one a sole plate, the other an elongated strip swingably mounted on the sole plate; said strip being mounted on and extending across said plate with end portions protruding therefrom; calks carried by said plate; the plate and strip each having two sole engaging clips, said sole plate having two arcuate slots guiding the relative swingable movement between said elements, said strip having two openings, one coincident with each of said slots, means passing through each of said coincident slots and openings, said means serving to assemble said elements, and means coacting with said last named means to secure said elements firmly in adjusted position.

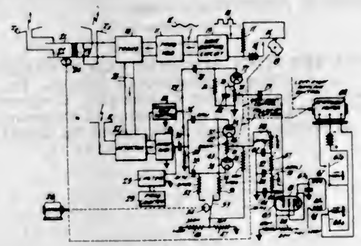
2,459,456
FLUID PRESSURE VALVE
Edward A. Rockwell, Cleveland, Ohio
Original application June 4, 1943, Serial No. 489,713. Divided and this application April 6, 1944, Serial No. 529,866
10 Claims. (Cl. 121—46.5)



1. A modulator valve, provided with a casing, having a connection to a supply of compressed air, a hydraulically operated connection for operating the valve, a plunger, having a cylinder, operated from the hydraulic connection, an outlet valve member connected to said plunger, a plunger valve having an element, provided with a discharge chamber, cooperating with the outlet valve member to control the exhaust, and a plunger sleeve fixedly connected to the plunger valve element having an inlet valve thereon, said plunger sleeve having a chamber around the same

for receiving the compressed air which balances the plunger sleeve in both directions from the casing and being provided with a chamber within the same communicating with the discharge chamber within the plunger valve element.

2,459,457
COMPARATOR CIRCUITS FOR RADIO LOCATORS
Royden C. Sanders, Jr., Hightstown, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 20, 1944, Serial No. 527,292
16 Claims. (Cl. 343—7)



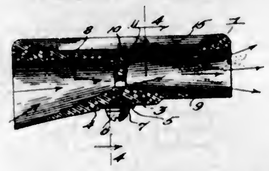
12. In combination, a radio locator system comprising a transmitter for transmitting a radio signal to a reflecting object and a receiver for receiving said signal after reflection from said object, said system also comprising a directive antenna system and means for angularly displacing its region of maximum field strength during successive switching periods to each side of the region defining the equi-signal axis, a rectifier connected to rectify the output of said receiver during one of said switching periods, an output impedance unit for said rectifier, switching means for making said rectifier pass current through said impedance unit during said one antenna switching period, means for establishing a comparison voltage during the next antenna switching period whereby a square wave voltage having an alternating-current axis at a certain voltage level appears across said output impedance unit when the region defining the equi-signal axis is directed toward but to one side of said reflecting object and whereby a square wave voltage having an alternating-current axis at a different voltage level appears across said impedance unit when said region defining the equi-signal axis is directed to the opposite side of said reflecting object, a filter connected to smooth out said square wave to obtain its direct-current component, a reversible motor, relay means for controlling the direction and amount of rotation of said motor in accordance with the direct-current output of said filter, means for controlling the direction in which said equi-signal axis region is pointed, and a servo connection between said motor and said last means for turning said antennas toward said reflecting object in response to said equi-signal axis region pointing to one side of said object.

2,459,458
TRAILER TOW-POLE AND HITCH
Philip J. Schmitz, Sleepy Eye, Minn.
Application April 7, 1947, Serial No. 739,737
1 Claim. (Cl. 280—33.14)

A towing hitch of the character described comprising, an elongated open ended cylindrical tube, internal and external threads formed inwardly for a spaced distance from each of said ends, an elongated circular rod slidably carried within and extending from each end beyond said tube, a pair of circular collars carried about said rod each at an equally spaced distance inward from the adjacent end of said tube, a pair of coil springs carried one about each end of said rod without and in abutment with the adjacent collar, a threaded coupling secured about each end of said tube, a

reducer carried by each coupling abutting with and compressing said springs against said collars while permitting the sliding extension of said rod, means carried by one end of said rod adapting it to be quickly detachably coupled to a powered vehicle, and means carried by that end of said tube opposite said rod end adapted to be rigidly secured to the steering tongue of a trailer wagon in the manner and for the purpose described.

2,459,459
SELF-EMPTYING ASH TRAY FOR AUTOMOBILES
Elliston P. Seaman, Williamsport, Pa.
Application July 1, 1946, Serial No. 680,662
1 Claim. (Cl. 206—19.5)



An ash disposal receptacle for automotive vehicles comprising a unitary body having a recess in its upper surface forming an ash tray, a longitudinally extending oppositely tapered bore in said body beneath said tray having air adit and exit portions, an integral apertured rib in said body and separating said portions, said tray having an opening in the bottom thereof communicating with said exit portion only, and means for removably attaching said receptacle to a quartered window of the automotive vehicle, said means including a longitudinally recessed seat at the lower edge of said body for engagement with a side and lower edge of a quartered window, a spring clip, and a pin engageable with the lower end of said rib for retaining said clip upon said body.

2,459,460
CASE FOR CIRCLE SAWS
Arthur R. Segal, Milwaukee, Wis.
Application September 20, 1947, Serial No. 775,282
5 Claims. (Cl. 206—46)

3. A protective case for a circle saw having teeth provided with carbide tips wider at their cutting faces than the thickness of the saw, comprising: a substantially flat body section having a circular well formed in one face of a diameter to receive the saw and of a depth substantially equal to the thickness of the body of the saw and consequently less than the edge-to-edge dimension of the carbide tips measured across the face of the tips; a cover flatwise applicable to said face of the body section to close said well; and securing means for drawing the cover tightly down toward

said face of the body section so as to cause the

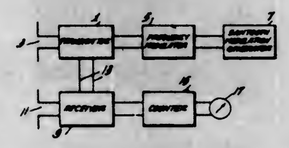
said signal potentials for changing said ratio,

its cyanide content, and subjecting the liquor, at

tending return bend therein and terminating in a downwardly extending portion passing through

side of the cover and the bottom of the well and thereby preclude shifting of the saw in the case.

2,459,461
FREQUENCY MODULATION DISTANCE INDICATOR
Ray G. Shankweiler, Cranbury, and Daniel Blitz, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application June 23, 1945, Serial No. 601,128
3 Claims. (Cl. 343—14)

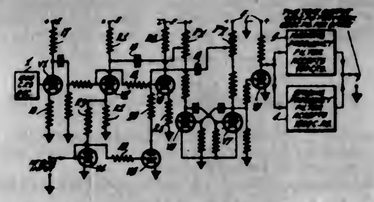


1. A distance measuring system including means for transmitting a high-frequency signal to an object whose distance is to be measured, means for varying cyclically the frequency of operation of said transmitter between two values f_1 and f_2 as a sawtooth function of time at a rate f_m, with the periods of increase of frequency much longer than the periods of decrease of frequency, means adjacent said transmitting means for receiving said signal as transmitted and after reflection by said object, and responsive thereto to provide a beat signal only during increase in frequency of said signal both as transmitted and after reflection, a frequency responsive indicator having a time lag t_L, and means for applying said beat signal to said indicator, wherein

$$t_L = 2\frac{f_2 - f_1}{f_2 + f_1} f_m$$

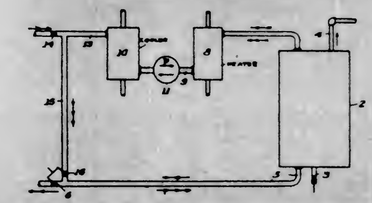
2,459,462
TWO-TONE KEYER
Eugene R. Shenk, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 16, 1946, Serial No. 655,004
9 Claims. (Cl. 250—36)

1. In a signalling system, a source of alternating voltage of substantially fixed frequency the durations of the alternations of which, above and below respectively a base value, are of a first ratio, a source of signalling potentials the magnitude of which changes, means coupled to said source of alternating voltage and controlled by said signal potentials for changing said ratio, and wave filters, arranged to select alternating



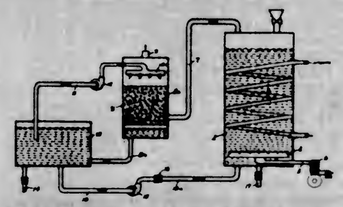
voltages of different frequencies, coupled to said source of alternating voltage.

2,459,463
GAS TREATING METHOD AND APPARATUS
George L. Simpson, Coraopolis Heights, Pa., assignor to Delaware Engineering Corporation, Pittsburgh, Pa., a corporation of Delaware
Application May 5, 1944, Serial No. 534,211
6 Claims. (Cl. 34—13)



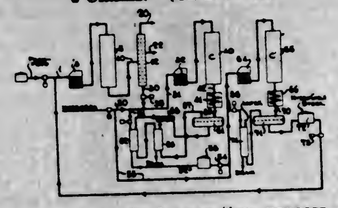
5. The method of reconditioning a gas dryer, which dryer comprises an adsorber unit having a gas inlet end and a gas outlet end, said method comprising the steps of first supplying heated gas to the unit with the gas being continuously changed and with the heated gas flowing into the outlet end of the dryer and emerging from the inlet end of the dryer, and thereafter continuously recirculating cooled gas through the unit, the same gas being recycled and entering the inlet end thereof and leaving the unit at the dry gas discharge end thereof.

2,459,464
DETOXIFICATION OF CYANIDE-CONTAINING INDUSTRIAL WASTE LIQUORS
Allen S. Smith, Ann Arbor, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application November 6, 1945, Serial No. 626,989
8 Claims. (Cl. 23—150)



1. The process of detoxifying a waste cyanide liquor which comprises adjusting the composition of said liquor to such extent as may be necessary to give it a pH of from 5 to 8 and ensure the presence therein of ammonium ion in concentration greater than is chemically equivalent to its cyanide content, and subjecting the liquor, at a temperature not substantially below 60° C., to oxidizing conditions effective to decompose most of its cyanide content, with formation of ammonia and carbon dioxide.

2,459,465
TWO-STAGE HYDROGENATION TREATMENT FOR HYDROCARBON OILS
Warren M. Smith, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 11, 1945, Serial No. 593,124
3 Claims. (Cl. 196—53)



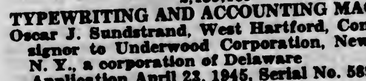
1. A two-stage hydrogenation process which comprises feeding a hydrogen-containing gas and a gas oil containing aromatics, sulfur and nitrogen to a reaction zone maintained at a temperature of from 700 to 900° F. under a pressure of from about 200 to 1000 pounds per square inch, and containing a sulfactive catalyst selected from the group consisting of the sulfides of metals of groups VI and VIII of the periodic system and mixtures of such sulfides, permitting the said gas oil to remain resident in the reaction zone for a sufficient period of time to convert the nitrogen and sulfur compounds in the said feed stock to volatile compounds, withdrawing the reaction products from said reaction zone, removing volatile nitrogen and sulfur compounds therefrom, passing the substantially sulfur and nitrogen free product to a second reaction zone where it is contacted with hydrogen and a sulfur-sensitive catalyst at temperatures of from 500 to 700° F. while under pressures of from about 200 to 1000 pounds per square inch for a sufficient period of time to effect simple hydrogenation of olefins and aromatics in the said oil, and recovering from the said second zone a product of lower aromaticity than the original feed stock, but having substantially the same boiling range as the original feed stock.

2,459,466
MEASURING SCOOP OR LADLE
Charles C. Spreen, Detroit, Mich., assignor to Richard W. Lewis, Walled Lake, Mich.
Application May 14, 1946, Serial No. 669,728
1 Claim. (Cl. 73—426)

A measuring scoop or ladle comprising a bowl having a flat handle integral therewith and projecting rearward therefrom with its upper face flush with the upper edge of the bowl, a tongue struck downward from a center portion of said handle forming a slot therein, said tongue being parallel to the handle in a plane below the same, a wiper bar extending transversely of said handle directly in rear of said bowl and having a rearwardly extending portion with an upwardly extending return bend therein and terminating in a downwardly extending portion passing through said slot, and a coil spring sleeved upon said tongue with its rear end abutting against said downwardly extending portion whereby said upwardly extending return bend may be operated by the thumb or finger of a hand grasping the handle to move said wiper across the upper face of said bowl against the resilient pressure of said spring.

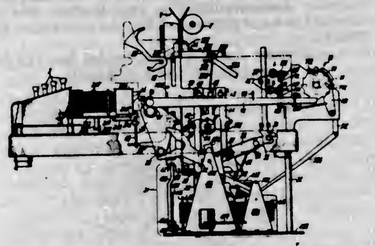
2,459,467
POLYAZO BENZIDINE DYES
Fritz Straub, Kaiseraugst, near Basel, and Jakob Brassel, Basel, Switzerland, assignors to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application August 23, 1943, Serial No. 499,706. In Switzerland September 2, 1942
15 Claims. (Cl. 260—159)

1. A dyestuff of the formula



wherein R_1 and R_2 stand for radicals of coupling components selected from the class consisting of coupling components of the benzene, naphthalene and pyrazolone series, x stands for an alkoxy group, and R_2 contains a hydroxyl group in a position vicinal to the azo group.

2,459,468
ACCOUNTING MACHINE
Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Corporation, a corporation of Delaware
Application June 24, 1941, Serial No. 399,461
13 Claims. (Cl. 235—60.29)



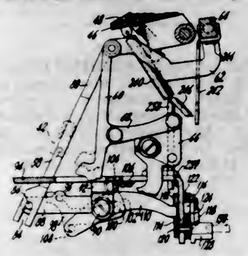
1. In a machine of the class described, two separate groups of type bars, indexing mechanism for each group of type bars, a totalizer, adding actuators arranged to enter numbers in the totalizer by actuating the totalizer in one direction only, subtracting actuators arranged to enter numbers in the totalizer by actuation of the totalizer in a reverse direction only, means for connecting said adding actuators only with the type bars of one group for movement therewith and means for connecting said subtracting actuators only with the type bars of the other group for movement therewith.

2,459,469
TYPEWRITING AND ACCOUNTING MACHINE
Oscar J. Sundstrand, West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y., a corporation of Delaware
Application April 23, 1945, Serial No. 589,766
20 Claims. (Cl. 235—59)

1. A machine of the class described comprising a register and actuating mechanism for the reg-

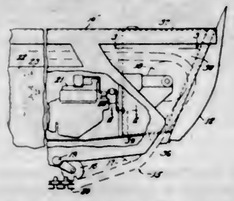
a silica hydrogel activated with minor amounts

ister, relatively movable to shift the actuating mechanism in an advance direction into and out of the zone of a register and from denomination to denomination of the register and to return relatively the actuating mechanism and the register, locking means normally in unlocking condition for preventing relative return movement from being imparted to the register and the actuating mechanism when the actuating mechanism



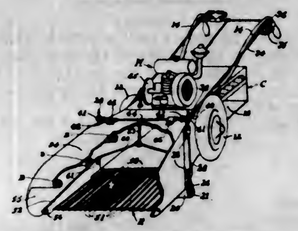
is in the zone of a register and means controlled by the relative positions of the register and the actuating mechanism and in accordance with the digit entering action of the actuating mechanism for shifting said locking means into locking condition when the actuating mechanism is in the zone of a register after a digit has been entered in the register and for maintaining said locking means in locking condition until the differential mechanism leaves the register zone.

2,459,470
MOTOR VEHICLE FUEL TANK
Benjamin A. Swennes, Rockford, Ill., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 5, 1944, Serial No. 529,630
4 Claims. (Cl. 280—5)



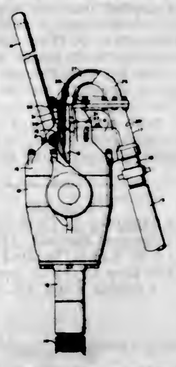
1. In a vehicle, the combination of a vehicle body, means for propelling said vehicle and including a motor in said body, said body having a well therein comprising side walls and a bottom formed by certain structural portions of the body, a tank for motor fuel disposed in said well and having sheet metal sides and a bottom which lie adjacent and parallel to the walls and the bottom of the well, sheets of yielding material between said walls and the adjacent sides of said tank and between the bottom of the well and the bottom of the tank for cushioning the tank from shocks from the walls and bottom of the well or from racking of the opposite walls of the well with respect to each other and for supporting the tank with respect to the structural portions forming the well, fuel conveying means connected between said tank and said motor, and means which permits relative movement of the tank and fuel conveying means with respect to said structural portions.

2,459,471
CRANBERRY PICKING MACHINE
Eugene L. Tebbetts, Holliston, Mass., assignor of one-half to Harold E. Cole, Boston, Mass.
Application December 19, 1946, Serial No. 717,217
7 Claims. (Cl. 56—328)



6. A machine of the class described comprising supporting means, a scoop supported by said means embodying a rake having two outside teeth at opposite sides and other teeth intermediate thereof, said outside teeth being pivotally attached to said scoop at their front half portions, all of said teeth being connected at their rear portions, and movable mechanism supported by said supporting means and operably connected to said outside teeth adapted upon actuation to raise and lower portions of said teeth, said intermediate teeth extending to a point approximately laterally opposite the points of attachment of said outside teeth to said scoop.

2,459,472
ROTARY SWIVEL
Guglielmo R. Tremolada, Los Angeles, Calif., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif., a corporation of California
Application March 23, 1945, Serial No. 584,372
19 Claims. (Cl. 255—25)

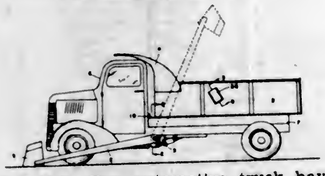


1. In a rotary swivel, the combination of: a shell and a rotatable body, said shell having a laterally projecting hollow wall, the interior of which communicates with the interior of said shell so as to form an oil chamber, and a mud inlet duct supported by said hollow wall at one side of said shell and having the outer end thereof prepared for connection to a rotary hose, whereby the weight of said rotary hose will be transmitted directly to the side of said shell, and said body having a mud passage therein for connection to the upper end of a string of drill pipe;

a swivel fluid connection at the upper end of said passage; and a detachable mud conveying member removably secured on the top portion of said shell for conveying mud from said mud inlet duct member to said swivel fluid connection said mud conveying member being removable from its operative position without disconnection of said inlet duct member from said shell.

3. In a swivel fluid connection unit for a rotary swivel, the combination of: a cylindric wash pipe having a ring of rubbery material on one end thereof, said ring providing a forwardly faced shoulder, said wash pipe having a cylindric layer of hard material on its other end; a clamping ring to engage said shoulder; and a packing element surrounding said layer of hard material on said wash pipe, said packing element comprising a shell forming a packing space, a packing means in said space and a compressing ring of rubbery material in the outer end of said space, said compressing ring having a cylindric wall to engage the wall of said shell, an inwardly directed sealing lip at the outer end of said compressing ring and an inwardly directed sealing lip at the inner end of said compressing ring, there being a bead on the inner end of said compressing ring to engage said packing means.

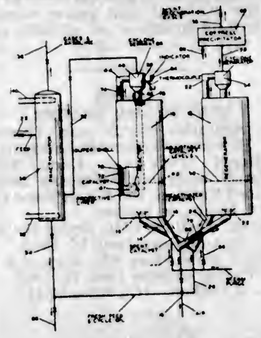
2,459,473
SELF-LOADING AUTOMOTIVE TRUCK
Lester L. Troutman, El Monte, Calif.
Application October 30, 1946, Serial No. 706,622
2 Claims. (Cl. 214—78)



1. A self-loading automotive truck having a chassis and a dump body mounted thereon, brackets depending from the chassis, a shaft extending through the brackets and the opposite sides of the chassis, arms rigidly secured respectively to the outer ends of the shaft, a scoop connected to the outer ends of the arms and adapted to be extended forwardly of the truck to pick up material and to be lifted by the arms over the front of the truck to deposit the material in the dump body, said shaft having a large gear thereon between the brackets, a double acting fluid cylinder device connected to the chassis and having a rack adapted to be extended onto the large gear to rotate the same, said gear having a projection offset from the side of the same, a booster cylinder device connected to the chassis below the double acting cylinder adapted to engage the projection of the large gear when the scoop is in its lowered position ahead of the truck, and adapted to assist the double acting cylinder device to effect the upward rotation of the arms to lift the scoop.

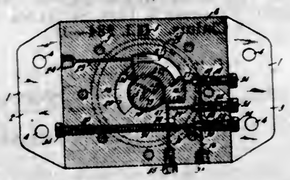
2,459,474
PROCESS UTILIZING MOVING SOLID CATALYST
John D. Upham, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 1, 1943, Serial No. 489,276
3 Claims. (Cl. 196—52)

1. In a catalytic conversion process wherein a moving powdered porous catalyst prepared from a silica hydrogel activated with minor amounts of alumina is utilized, the method of preventing the introduction of extraneous matter into the reaction system through erosion or corrosion of portions of the apparatus caused by action of the moving catalyst, while maintaining a desired substantially constant level of catalytic activity, which comprises preparing a hydrated silica having a substantially higher silica content than that used in preparing said mobile catalyst, activating same with minor amounts of alumina, applying the thus treated hydrogel under about 1000 pounds pressure to the surface of an apparatus element normally erodable by action of the moving catalyst, slowly heating the thus-applied material to a temperature above those employed in



the conversion to produce a hard, dense compacted protective coating for said element having little catalytic activity at the surface compared to said mobile catalyst but having substantial catalytic activity when comminuted, contacting said powdered porous catalyst with reactants at conversion conditions, effecting movement of said powdered porous catalyst such that said protective coating is eroded to an extent sufficient to provide at least a portion of the make-up powdered catalyst required in said process in the form of catalytic powder abraded from said coating, and removing from the process an amount of powdered catalyst at least equivalent to the make-up catalyst thus supplied, to maintain a desired level of catalytic activity.

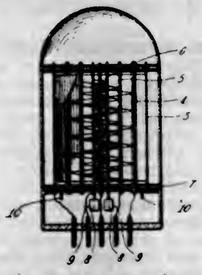
2,459,475
DIFFERENTIAL PRESSURE FLUID SERVOMOTOR
Fred K. van Almelo, Nassau, N. Y.
Application December 2, 1943, Serial No. 512,657
2 Claims. (Cl. 121—44)



1. A fluid motor of the differential pressure type adapted for use as a closure operator comprising a body, a shaft mounted to oscillate therein, vanes connected to said shaft and disposed in two axially

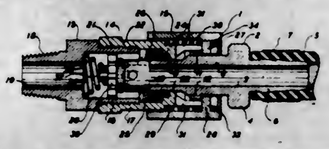
spaced pairs with the vanes in each pair symmetricaly disposed with respect to the axis of said shaft to form a balanced shaft-vane assembly; said body being provided with separate chambers for each vane within which said vanes are closely fitted but may oscillate with said shaft, and also with separate passages for conveying fluid under pressure to and from each of said chambers, respectively; said passages communicating with said chambers on opposite sides of the respective vanes therein; whereby the fluid pressure on one pair of said vanes will function, as a force couple, to turn said shaft in a direction opposite the force couple created by the fluid pressure on the other pair of said vanes; the combined areas of the vanes forming one of said pairs being substantially in excess of the combined areas of the vanes forming the other of said pairs; whereby with equal unit fluid pressure on all said vanes said shaft will turn in one direction.

2,459,476
ELECTRODE SPACER
Johannes Antonius Maria van Liempt, Frits Prakke, Hendricus Johannes Landsbergen, and Jules Henri Marie van Uden, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application April 26, 1946, Serial No. 665,012
In Germany June 16, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires June 16, 1962
6 Claims. (Cl. 250—27.5)



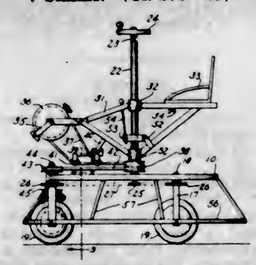
1. An electric discharge tube comprising an envelope, electrodes within the envelope, and means maintaining a predetermined spacing between said electrodes comprising a metallic member within the envelope having surface portions coated with a superficial insulating layer.

2,459,477
VALVE COUPLING
John Van Schuyver, Los Angeles, Calif.
Application February 5, 1946, Serial No. 645,567
2 Claims. (Cl. 284—18)



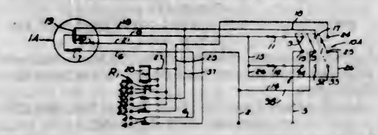
1. In a valvular coupling device consisting of a pair of complementary parts, one part comprising a male insert having a passage therethrough from end to end, and the other part comprising a female receiver having a passage therethrough from end to end, the insert having means at one end for making connection with a fluid conductor and the other end adapted to enter the receiver, the end adapted to enter the receiver consisting of a projected teat-like element with spaced radial projected fingers spaced from the ends thereof, the receiver including a body having means at one end for making connection with a fluid conductor, a slidable outer sleeve with inwardly directed fingers at the other end thereof, resilient means for continuously urging the sleeve in a direction away from the other end of the receiver, valve means in the passage of the receiver adapted to be opened by the teat-like end of the insert, spaced axially directed arms extending from the body within the sleeve providing slide-ways between them for the fingers, the distal ends of the arms having inturned flanges, said slide-ways being sized to guide the fingers of the insert and the fingers of the sleeve so that the sleeve can readily reciprocate and the fingers of the insert enter the receiver to be latched behind the flanges of the arms when the sleeve is retracted.

2,459,478
VEHICLE
Kenneth J. Watson, North Hollywood, Calif.
Application May 29, 1947, Serial No. 751,195
7 Claims. (Cl. 272—29)



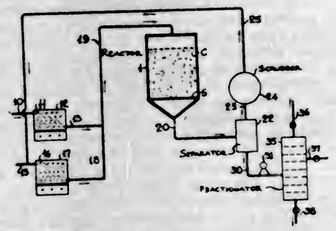
7. A vehicle comprising a base, wheels supporting said base, a frame supported on said base for rotation thereon, driving means carried by said frame, means operatively connecting said driving means with said base and at least one of said wheels to render said driving means effective to rotate said frame relative to said base or drive said vehicle, and means operatively connected between said frame and said base to selectively render said driving means effective to drive said vehicle or rotate said frame.

2,459,479
SPLIT-PHASE MOTOR REVERSING CIRCUIT
Clarence E. Weinland, Pasadena, Calif., assignor to General Tire and Rubber Company of California, Pasadena, Calif., a corporation of California
Application September 27, 1946, Serial No. 699,676
4 Claims. (Cl. 318—207)



1. In a reversing circuit means for a so-called split-phase motor having a starting winding and a running winding together with a switch member operable to open position to disconnect the starting winding when the motor has attained a predetermined running condition, and pole-changing switch means; circuit means including relay means having an actuating coil electrically connected to said switch member and adapted to cause energization of said starting and running windings upon closing said switch means when said switch member is closed; and contact means associated with said relay means and adapted upon operation of said relay means to retain energization of said running winding independent of said switch member so long as said switch means remains closed; said actuating coil being connected to said starting winding through said switch member whereby operation of said switch member to open position opens a circuit connection between said actuating coil and said starting winding when said motor has attained said predetermined running condition.

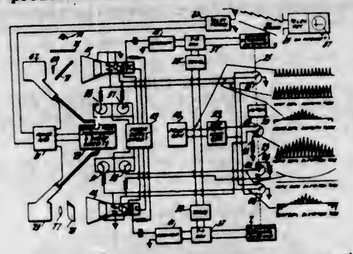
2,459,480
METHOD OF CONDITIONING A CATALYST FOR USE IN HYDROFORMING OF NAPHTHAS
Albert B. Welty, Jr., Mountainside, and Clinton H. Holder, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 11, 1945, Serial No. 610,343
8 Claims. (Cl. 196—50)



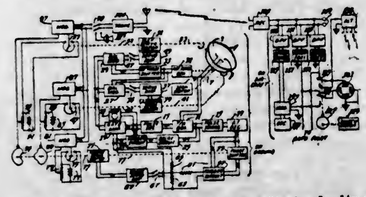
1. The method of hydroforming a virgin naphtha which comprises contacting said naphtha at elevated temperatures and pressure and in the presence of added hydrogen with a catalyst consisting essentially of a heavy metal oxide selected from the class of group V and group VI heavy metal oxides, carried on a suitable support, the said catalyst before use having been subjected to a series of about 720 cycles of oxidation and reduction at an elevated temperature.

2,459,481
INSTRUMENT LANDING SYSTEM
Irving Wolff and Philip J. Herbst, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application October 18, 1945, Serial No. 623,106
9 Claims. (Cl. 343—6)

6. An instrument ground approach system for aircraft including means for producing a map-like visual indication of the azimuth and range of an aircraft with reference to a predetermined point on the ground, means for producing a further visual indication of the elevation and range of said craft with reference to said point; means for varying the relationship to range of said second indication as a predetermined function of said elevation, whereby said two indications of range correspond only when said craft is in a predetermined line, and means for superimposing said two visual indications to provide a single composite image.

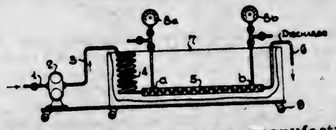


2,459,482
INSTRUMENT LANDING SYSTEM
Donald S. Bond, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1945, Serial No. 632,061
7 Claims. (Cl. 343—6)



6. A system for guiding aircraft, including, at a ground station, a radio locator system providing substantially continuously information as to the direction and range of an aircraft from said ground station, means responsive to said range information to modify said direction information in accordance with the characteristics of a predetermined flight path, means for converting said modified direction information into characteristic signals, and means for transmitting said signals to said aircraft.

2,459,483
CONTINUOUS METHOD FOR DETERMINING THE APPARENT VISCOSITY OF A GREASE
John C. Zimmer, Union, and Alan Beerbower, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 6, 1944, Serial No. 566,904
2 Claims. (Cl. 73—55)

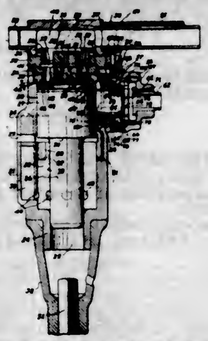


1. In a continuous grease manufacturing process, a method of continuously determining the apparent viscosity of a freshly prepared grease in a flowing stream which comprises passing a portion of the grease from said stream in streamline flow and under constant temperature and constant volume rate continuously through a flow-retarding device of measurable length and radius, so that the rate of shear will be in the

end to end, and the other part comprising a split-phase motor having a starting winding and

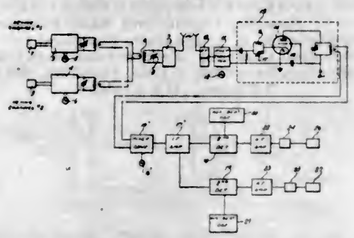
range of 10–1000 reciprocal seconds, and measuring the difference in pressure between two points spaced substantially apart along the flow-retarding device.

2,459,484
ROCK DRILL
Paul A. Bancel, Montclair, J. D. Ditson, Phillipsburg, and Alfred D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application October 20, 1945, Serial No. 623,532
12 Claims. (Cl. 121—18)



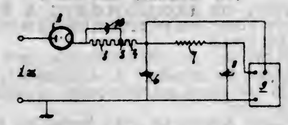
1. A pressure fluid actuated rock drill, comprising a casing having a piston chamber and an exhaust port therefor, a reciprocatory piston in the piston chamber having a pressure surface subjected to the force of an elastic medium compressed by the piston in one end of the piston chamber for moving said piston in one direction, valve means for controlling the flow of compression from the other end of the piston chamber, and a valve controlled by the piston for admitting pressure fluid into the said other end of the piston chamber for moving the piston in the opposite direction.

2,459,485
MULTIPLEX RADIO SYSTEM
Forrest A. Bartlett, Gardena, Calif., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application August 30, 1944, Serial No. 551,848
6 Claims. (Cl. 250—9)



1. In a signalling system of the carrier frequency-shift type, means to transmit from a common transmitter a plurality of carrier frequencies each representing a different signal and with the frequency difference between the carriers confined to the audio-frequency band, receiving means for said carriers comprising means to convert said carriers into corresponding intermediate frequency carriers, means to subject said intermediate frequency carriers to selective harmonic amplification to produce carriers having a frequency spacing which is a multiple of said frequency difference, means to reconvert said amplified harmonics to corresponding intermediate frequency carriers while preserving said multiplied frequency spacing, and detector means to detect in separate channels the signal modulations in the said reconverted intermediate frequency carriers.

2,459,486
POWER SUPPLY SYSTEM
Hendrikus Gerardus Alphonsus Bax, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 4, 1946, Serial No. 714,692
In the Netherlands September 28, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 28, 1965
5 Claims. (Cl. 171—97)



5. A power supply for furnishing a filtered direct voltage to a load and adapted for connection to the terminals of an alternating current or direct current line, said power supply comprising a rectifier tube having a low internal resistance, a resistance element, a filter capacitance, said tube being connected in series with said element and said capacitance to said line terminals, and a by-pass condenser shunted across a portion of said resistance element, the unshunted portion of said element having a value substantially equal to the internal resistance of said tube, the shunted portion of said element having a value at which substantially the same magnitude of direct voltage is established across said load both in the case of connection to an alternating current line and in the case of connection to a direct current line.

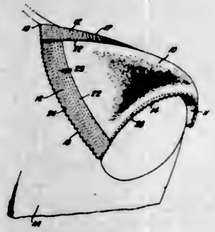
2,459,487
ELECTRIC DISCHARGE DEVICE
James E. Beggs, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 27, 1946, Serial No. 657,408
8 Claims. (Cl. 250—27.5)

1. An electric discharge device including an envelope, a plurality of electrodes supported within said envelope including an anode, a cathode, a control grid, means supporting said anode from one end of said envelope, means supporting said control grid from the other end of said envelope, said envelope including a metal side wall insulated with respect to the supports for said anode and control grid and connected with said cathode with respect to high frequency voltages, a heater element in heat exchange relation with said cathode, and a plurality of terminals sealed through the side wall of said envelope and connected respectively with the terminals of said heater element and said cathode for supplying direct current voltages thereto.

2,459,488
POLYVINYL ACETAL RESINS
Keith F. Beal, Berwyn, and Clifford J. B. Thor, Western Springs, Ill., assignors to The Visking Corporation, Chicago, Ill., a corporation of Virginia
No Drawing. Application April 18, 1945, Serial No. 589,084
4 Claims. (Cl. 260—73)

1. A thermoplastic, water-insoluble polyvinyl acetal resin comprising the reaction product of a polyvinyl alcohol and an aldehyde selected from the class consisting of n-propoxyacetaldehyde, n-butoxyacetaldehyde, iso-butoxyacetaldehyde, sec-butoxyacetaldehyde and diethylmethoxyacetaldehyde, said resin being at least 80% acetalized and having at room temperature an elongation of at least 100% and a tensile strength of at least 1500 lbs. per square inch whereby said resin is self-plasticized.

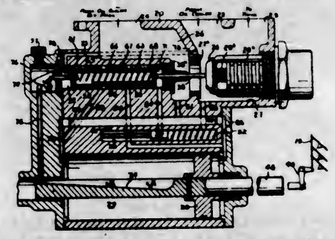
2,459,489
SHOULDER PAD
Samuel Bloom, Brooklyn, N. Y.
Original application August 7, 1946, Serial No. 689,000, now Patent No. 2,425,227, dated August 5, 1947. Divided and this application August 2, 1947, Serial No. 765,789
4 Claims. (Cl. 2—268)



1. A molded shoulder pad composed of a substantially triangular flexible fabric bottom fitted to the wearer's shoulder with the apex of the triangle at the neck line, an overlying molded felt top shaped to the desired contour and an intermediate filling of wadding sewn to said fabric base with shirring at the side opposite said apex, said filling being of increasing thickness from the edges adjoining the apex of the pad to the base of said pad with a wedge cut from the lower face thereof extending from said base towards the apex to permit the bottom of the pad to assume a concavity conforming to the convexity of the shoulder while the top may assume a convexity conforming to that of the molded felt top, and lines of stitching joining the felt top to the fabric base along the three sides thereof.

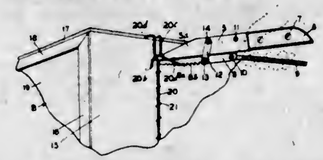
2,459,490
THERMOSTATIC SHUTTER CONTROLLER
Harry T. Booth, Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application December 5, 1942, Serial No. 467,993
5 Claims. (Cl. 257—2)

1. A controller for scavenged oil from an internal combustion engine which is returned to an oil reservoir under pressure, comprising, a thermostatically controlled valve beyond the cooler and its warm-up jacket for controlling the proportion of oil flow through a cooler and its by-pass warm-up jacket in the returned flow to the reservoir, means for controlling the passage of air through the cooler, an operating cylinder having a piston therein for operating said air controlling means, means for operating said piston in the operating cylinder by the passage of the scavenged oil under pressure into opposite ends of the operating cylinder and controlling the flow of the oil therefrom, said oil flow control means including a longitudinally



movable selector valve composed of two elements, a connection between one of said selector valve elements and the operating cylinder piston whereby the two members are proportionately moved with respect to each other, means for moving the other member by movements of said thermostatically controlled valve in accordance with the temperature of the scavenged oil as it is returned to the reservoir, and interacting means between the two members of the selector valve whereby the first-named member will follow the movements of said second member in response to passage of oil therethrough from one end or the other of the operating cylinder.

2,459,491
WIRE BOUND BOX CLOSING TOOL
George T. Boyd and Henry T. Boyd, Albert Lea, Minn., assignors of one-fourth to Gerard A. Thompson, Minneapolis, Minn., and one-fourth to Robert I. Davies, Albert Lea, Minn.
Application April 2, 1946, Serial No. 658,950
3 Claims. (Cl. 140—123)



1. A wire bound box closing tool comprising a fulcrum bar having a forward portion terminating in a notched forward end and having a handle forming rear end, a wire hooking bar extending longitudinally of said fulcrum bar along one side thereof and having a number of wire receiving notches in its outer edge, said forward portion of the fulcrum bar tapering forwardly toward the side adjacent which said wire hooking bar extends, means guidably mounting said hooking bar on said fulcrum bar for longitudinal sliding movement and a hand-grip lever operable from the rear end of said fulcrum bar for longitudinally sliding said hooking bar relative to said fulcrum bar.

2,459,492

to said control wires, circuit means for connect-

inder secured to one side of said U-shaped frame,
a piston within said cylinder, a piston rod slid-

2,459,498
COFFEE MAKER
Robert T. Cameron, Knoxville, Tenn.

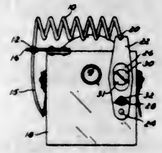
2,459,492
ALUMINUM COPPER ALLOY
Tennyson Fraser Bradbury, Darley Abbey, England, assignor to Rolls-Royce Limited, Derby, England
No Drawing. Application February 8, 1945, Serial No. 576,903. In Great Britain February 25, 1944
4 Claims. (Cl. 148—32.5)

1. An aluminium alloy of the following composition:

	Per cent of the whole
Copper	5.0 –7.0
Titanium	0.01–0.5
Manganese	0.01–1.0
Silicon and iron not exceeding together	0.8
Aluminium the remainder,	

in the worked state when subjected to the following heat treatment, namely a solution treatment of from 535 to 545° C. for a period at least of 10 hours, followed by quenching in water of a temperature above room temperature but less than 100° C. and ageing at a temperature of about 200° C. for at least 10 hours.

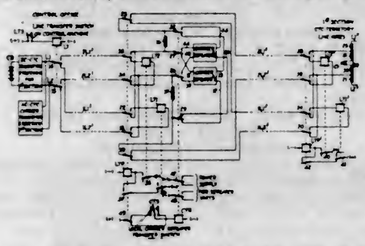
2,459,493
TUNING MEANS COMPRISING VARIABLE CONDENSER AND ADJUSTABLE INDUCTOR OF THE MECHANICALLY DEFORMABLE TYPE
William O. Bradford and Emil G. Zapor, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 26, 1945, Serial No. 618,748
4 Claims. (Cl. 250—40)



1. In combination with a variable capacitor having a conductive end plate electrically connected to a rotor insulated from a stator, an inductive winding, electric insulating means mechanically securing one end of said inductive winding to said end plate, means electrically connecting said one end of said winding to said stator, and electrically conductive means carried by and electrically engaging said end plate, said conducting means being secured to the remaining end of said inductive winding and movable with respect to said end plate to vary the length of said winding.

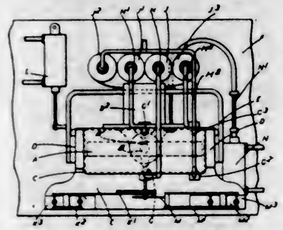
2,459,494
LINE CIRCUIT COMMUNICATION SYSTEM
Frederick W. Brixner, Gates, and William M. Barker, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application January 26, 1948, Serial No. 4,418
6 Claims. (Cl. 177—353)

1. In a line circuit communication system for applying communication energy to a pair of control wires at a location remote from a control office, a normal and a standby pair of line wires extending from the office to the location, manually operable means at the office for selectively applying energy to either said normal or said standby pair of line wires, normally deenergized transfer and stick relays at said location normally effective to connect said normal pair of line wires to said control wires, circuit means for connecting said transfer relay across said standby pair of line wires whereby said transfer relay is picked up upon the application of energy to said standby pair of line wires at the office by said manually operable means, circuit means for energizing said



stick relay in response to the picking up of said transfer relay, and means responsive to the picking up of said stick relay for disconnecting said transfer relay and for transferring the connection of said pair of control wires from said normal pair of line wires to said standby pair of line wires.

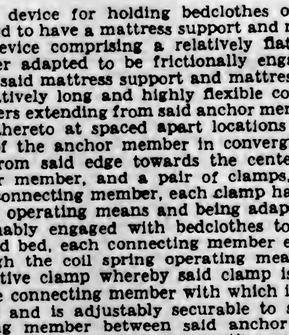
2,459,495
GYROSCOPIC CONTROL APPARATUS
John Pollock Brown, Croydon, England
Application July 14, 1944, Serial No. 544,943
In Great Britain April 30, 1943
11 Claims. (Cl. 74—5)



1. Gyroscopic apparatus for use in the control of air and other craft comprising in combination a rotor, a spindle through which the rotor is driven having on the end thereof a ball on which the rotor is carried, means for driving this spindle, a support for the spindle, a base, means by which the said support is carried by the said base so that the support is movable about at least one control axis with respect to the base, at least two jet nozzles carried on the said support and through each of which fluid can be delivered in a jet directed against a face of the rotor, and valve means for controlling the delivery of fluid thereto independently of the movement of said craft.

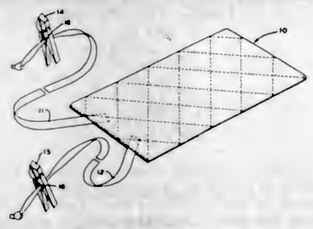
2,459,496
INSTRUMENT CAGING MECHANISM
Lysle D. Cahill, South Euclid, and Walter T. Buhl and Alfred S. Horwitz, Shaker Heights, Ohio, assignors, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application December 5, 1945, Serial No. 632,934
5 Claims. (Cl. 74—5)

1. A caging mechanism for use with gyroscopic assemblies having a gimbal frame, comprising a substantially U-shaped mounting frame, a cylinder secured to one side of said U-shaped frame, a piston within said cylinder, a piston rod slidably extending from said piston and from said cylinder through both legs of the U-shaped frame, a sleeve fixedly secured to said U-shaped frame for guiding the piston rod, a collar on the pis-



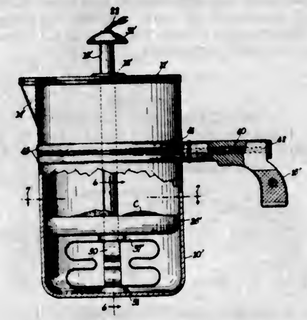
ton rod, positioned between the legs of the U-shaped frame, a spring held under compression between the collar and the sleeve for said piston rod in locked position with said gimbal frame to cage the same, and a passage in the frame for leading pressure fluid into the cylinder to overcome said spring and uncage the gyro.

2,459,497
BEDCLOTHES HOLDER
Helen D. Calabro, Lexington, Mass.
Application August 7, 1946, Serial No. 689,001
3 Claims. (Cl. 24—72.5)



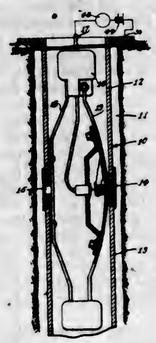
1. A device for holding bedclothes on a bed adapted to have a mattress support and mattress, said device comprising a relatively flat anchor member adapted to be frictionally engaged between said mattress support and mattress, a pair of relatively long and highly flexible connecting members extending from said anchor member and fixed thereto at spaced apart locations near an edge of the anchor member in converging relation from said edge towards the center of the anchor member, and a pair of clamps, one for each connecting member, each clamp having coil spring operating means and being adapted to be detachably engaged with bedclothes to be held on said bed, each connecting member extending through the coil spring operating means of its respective clamp whereby said clamp is slidable on the connecting member with which it is associated and is adjustably securable to said connecting member between said anchor member and the free end of the connecting member by the tieing of said connecting member to said clamp.

2,459,498
COFFEE MAKER
Robert T. Cameron, Knoxville, Tenn.
Application March 25, 1946, Serial No. 656,984
4 Claims. (Cl. 99—287)



1. In a coffee maker including a container within which coffee may be brewed and a cover therefor, in combination with said cover of an aperture centrally therethrough, a tubular handle removably inserted through said aperture in said cover and positioned centrally of said container, heating means removably supported within said handle for heating the coffee making water, agitating means within said container and operatively connected with said handle, and means supported within said container by said handle for filtering coffee grounds from the coffee brew.

2,459,499
CASING JOINT LOCATOR
Jacques H. Castel, Houston, Tex., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application December 17, 1943, Serial No. 514,647
8 Claims. (Cl. 177—311)



3. A device for determining the distance between the bottom of a well and a joint in a casing therein formed of a plurality of casing sections connected by joints of different internal diameter than the internal diameters of said casing sections, comprising a support adapted to be lowered into said casing, guide means on said support engageable with said casing, an electrically actuated indicator, joint locating means associated with said guide means, electrically connected with said indicator, and responsive to variation

in the internal diameter of said casing at said

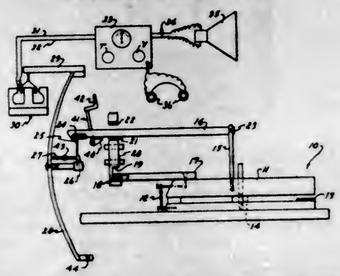
said body, adjacent to the shoulder, having a side wall which is rounded about an up and down axis

with said gear and coaxial with the pivotal connection of said arm on said body whereby rota-

chassis of the tractor, means mounted on said tractor for moving said traveler lengthwise of the chassis, a fifth wheel mounted for vertical

in the internal diameter of said casing at said joints for controlling the supply of electrical energy to actuate said indicator, bottom locating means movably mounted at the lower end of said support and movable in response to engagement thereof with the bottom of the bore hole, and a switch actuated by said bottom locating means and electrically connected to said indicator for actuating said indicator.

2,459,500
MUSICAL INSTRUMENT
John Chapo, Long Island City, N. Y.
Application March 25, 1946, Serial No. 656,995
2 Claims. (Cl. 84—408)



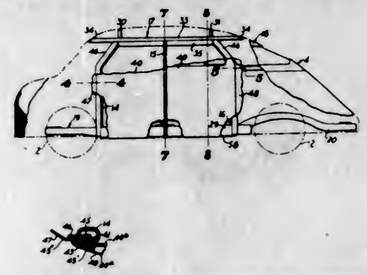
1. A musical instrument comprising a series of reeds having projecting vibratable end portions, a series of keys for actuating said reeds, a contact pad connected to each key and normally resting on each associated reed, a lifting rod for each contact pad actuated by its associated key to disengage said contact pad from the associated reed after the pad has moved over said reed, means to transmit a rubbing movement to each and every reed with the associated key to produce the tone of any reed.

2,459,501
POLYMERIC MONO-ISOOLEFINIC MATERIALS AND PROCESS OF MAKING SAME
John Melvin Coon, Verona, and John B. Rust, West Orange, N. J.
No Drawing. Application June 19, 1944, Serial No. 541,100
10 Claims. (Cl. 260—78.5)

6. The method of producing polymerization products which comprises preparing a mixture consisting of a mono-isoolefin and an unsaturated aliphatic alcohol ester of an alpha beta olefin discarboxylic acid, the alcohol being selected from the group consisting of allyl, methallyl, crotyl, butenyl, propargyl and butinyl alcohols, in the ratio of 10:1 to 10:5 by weight and subjecting said mixture while liquid to the action of a Friedel-Crafts catalyst at a temperature below —40° C. to form a soft, elastic and rubbery product.

2,459,502
DOOR DEVICE
Burnie J. Craig, Los Angeles, Calif.
Original application February 12, 1940, Serial No. 318,397. Divided and this application April 17, 1944, Serial No. 531,453
5 Claims. (Cl. 296—47)

1. An automotive vehicle construction including a body, said body having a framed door opening with one edge of the opening defined by a portion having an outwardly directed shoulder, said body, adjacent to the shoulder, having a side wall which is rounded about an up and down axis and a door, coacting guide means on the door and body to mount the door for sliding movement, said door including an outer panel which is rounded about an up and down axis at the one end which trails when the door is being closed, said door at the one end having an inwardly directed shoulder engageable with said outwardly directed body shoulder, said door having an inner panel spaced from the outer panel, said door being slidable across the framed opening in such a manner that the inwardly directed shoulder on the door may slide outwardly and clear of the rounded body side wall in a continuous path without the use of offsetting tracks or link-hinges.

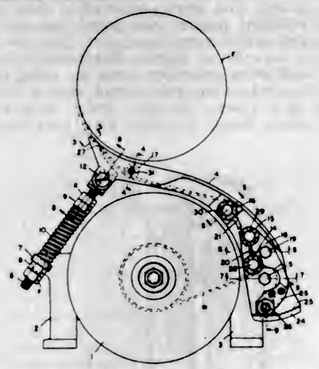


2,459,503
BRACKET
Eric T. G. Dahlstrom and Michael Caplan, Chicago, Ill., assignors to Henry Hildebrandt, Chicago, Ill.
Application June 11, 1945, Serial No. 598,842
1 Claim. (Cl. 248—262)

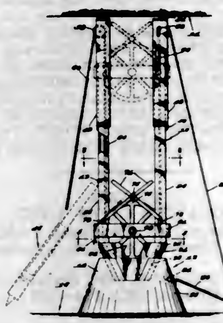
In window hanging means, a bracket support including a vertical mounting plate, a vertical arm bent forwardly therefrom and a horizontal ear bent laterally from the arm, a substantially U-shaped holder having a stop plate at one side thereof, and a pin extending through the horizontal ear and the bottom of the U-shaped holder for pivotally mounting the holder about its central axis on the horizontal ear.

2,459,504
WIRE SPREADER AND TENSIONER FOR CIRCULAR LOOMS AND THE LIKE
Anselm De Ghetto, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application February 18, 1947, Serial No. 729,388
9 Claims. (Cl. 140—133)

1. A device of the character described, comprising a body, an arm pivotally connected between its ends to said body, guide means on one end of said arm so arranged that wire or the like drawn thereover is successively subjected to bending in opposite directions, and a gear rotatable at the other end of said arm, said body being formed with a gear segment in engagement with said gear and coaxial with the pivotal connection of said arm on said body whereby rotation of said gear effects pivotal movement of said arm on said body.



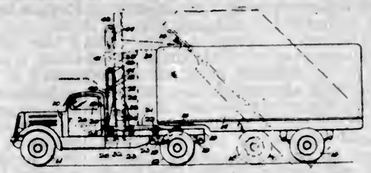
2,459,505
JACK HOIST
Huram Clyde Delph, London, Ky.
Application March 6, 1946, Serial No. 652,280
7 Claims. (Cl. 254—143)



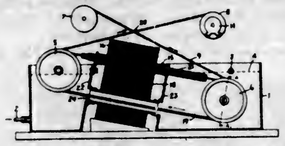
1. A jack hoist comprising a base, a pair of standards detachably secured to said base, a pivotal section on one of said standards, a cradle slidable between said standards and means carried by said standards for elevating and lowering said cradle, said means comprising a pulley on said cradle, a pulley on said pivotal standard, an anchorage on said fixed standard, and a cable operatively connected to said pulleys and terminating on said anchorage.

2,459,506
ELEVATING MECHANISM FOR FIFTH WHEELS
George R. Dempster and Harry W. Jones, Knoxville, Tenn., assignors to Dempster Brothers, Incorporated, Knoxville, Tenn., a corporation of Tennessee
Application July 15, 1946, Serial No. 683,734
10 Claims. (Cl. 298—22)

1. In a mechanism of the type described including a tractor having a chassis, a traveler mounted for fore and aft axial movement on the chassis of the tractor, means mounted on said tractor for moving said traveler lengthwise of the chassis, a fifth wheel mounted for vertical movement on said traveler and means on said traveler for imparting vertical movement to said fifth wheel.

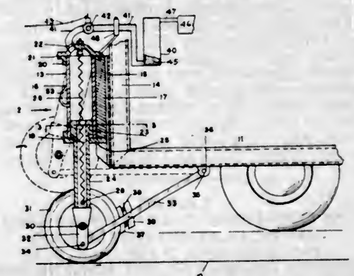


2,459,507
METHOD OF INDUCTION HEATING CONTINUOUSLY MOVING WIRE
Robert H. Denham, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 18, 1944, Serial No. 568,703
4 Claims. (Cl. 219—13)



1. The method of heating electrically conducting wire which consists in passing the wire continuously in a loop having two turns at each end in electrically conducting engagement with each other while maintaining the ends of the wire in separated electrically insulating relation with each other thereby to form a loop having two electrically connected turns at opposite ends with a single wire length on one side of the loop and a double wire length on the other side of the loop, and inducing in said loop by magnetic induction a heating current flowing through said single and double wire lengths in series with each other so that heat is generated mainly in said single wire length to heat the wire to a predetermined temperature.

2,459,508
HYDRAULIC JACK FOR AUTOMOBILE TRAILERS
George J. Dourte, Long Beach, Calif.
Application March 18, 1946, Serial No. 655,232
2 Claims. (Cl. 254—86)



1. A hydraulic jack assembly comprising, a frame having a horizontal and a vertical frame

member, a cylinder pivotally connected, near its upper end, with the vertical frame member, guide means comprising a member attached to the ver-

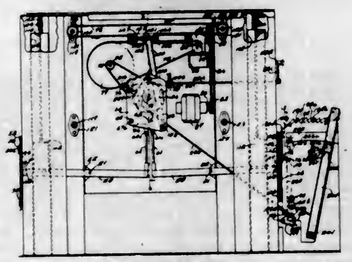
internal non-magnetic sleeve received in said bore, a permanent magnet projecting within said sleeve, a soft iron core also within said sleeve,

upsetting another portion of the arbor to form a button, and means mounting said head and said burners and upsetting means for bringing them into operative relationship.

2,459,512
PETROLEUM EXPLORATION BY SOIL ANALYSIS
Ralph H. Fash, Fort Worth, and John G. Camp-

member, a cylinder pivotally connected, near its upper end, with the vertical frame member, guide means comprising a member attached to the vertical frame member and another connected with the cylinder for resisting lateral forces, one of said members having a channel and the other a web adapted to jackknife in the channel, a piston in the cylinder, a piston rod connected at its upper end with the piston, the lower end extending through the lower end of the cylinder, an axle block secured to the lower end of the piston rod, a shaft extending transversely of the block, a wheel on each end of the shaft, a strut having one end pivoted to the axle block, between the wheels, the other end being pivoted to the horizontal frame member, forming means for resisting longitudinally acting forces, and means comprising a spring having one end connected with the lower end of the piston rod and the upper end connected with the cylinder, for normally holding piston and wheel in elevated position.

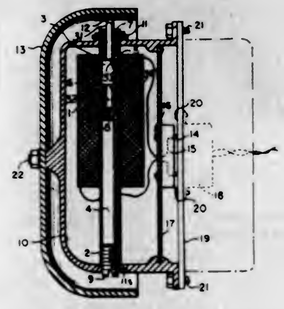
2,459,509
FILM PROCESSING MACHINE
Glen M. Dye, Ralph B. Maddock, Robert Sardeson, and Edward H. Savela, Minneapolis, Minn., assignors to Pako Corporation, Minneapolis, Minn., a corporation of Delaware
Application March 25, 1943, Serial No. 480,488
27 Claims. (Cl. 95—89)



1. A film treating machine having in combination, a plurality of aligned liquid containers, a pair of members extending along the sides respectively of said containers, each having transversely aligned upwardly extending projections at their top sides, a second pair of members extending along the sides respectively of said containers also having transversely aligned upwardly extending projections at their top sides, a film-carrying holder extending between said pairs of members carrying a film disposed in one of said containers, said holder being supported by said members in the recesses between said projections, said projections having downwardly inclined sides along which said holder will move by gravity, said inclined sides in said pairs of members being longitudinally offset and means for periodically relatively moving said pairs of members rectilinearly vertically to alternately lift said holder so that it is alternately supported by the members of said pairs and slides forwardly longitudinally on said inclined sides and is thus progressed.

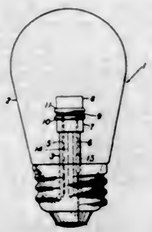
2,459,510
ALTERNATING CURRENT SOLENOID RECIPROCATING MOTOR UNIT
Jack I. Ellmann, Washington, D. C.
Application December 26, 1947, Serial No. 793,960
12 Claims. (Cl. 172—126)

1. In an alternating current reciprocating motor unit, a solenoid having an axial bore and an internal non-magnetic sleeve received in said bore, a permanent magnet projecting within said sleeve, a soft iron core also within said sleeve, a first resilient means interposed between said permanent magnet and said soft iron core, the soft iron core being axially displaceable in said sleeve and being provided with an axial extension extending to the exterior of said sleeve, the end of said sleeve through which said extension projects being provided with apertured re-



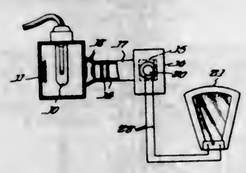
taining means, a second resilient means surrounding said extension and bearing against said retaining means and a portion of the said soft iron core nearest the end of said sleeve through which the extension projects, holding means for fixing the permanent magnet in position in the other end of said tube, said permanent magnet being substantially entirely contained within said sleeve, whereby energization of the winding of said solenoid by alternating current causes reciprocating movement of said axially displaceable core.

2,459,511
NEGATIVE GLOW LAMP
Duryea E. Elmendorf, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application October 4, 1946, Serial No. 701,383
8 Claims. (Cl. 176—122)



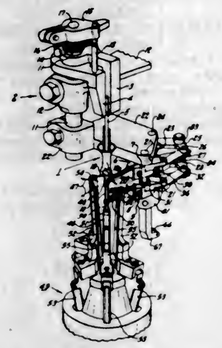
1. An electrode structure for an electric discharge device comprising in combination a vitreous stem, a pair of electrodes comprising spaced axially aligned bands of conductive material, a pair of lead-in wires fused through said stem and having transversely extending inner end portions secured to said electrodes within indentations therein.

2,459,512
PETROLEUM EXPLORATION BY SOIL ANALYSIS
Ralph H. Fash, Fort Worth, and John G. Campbell, Houston, Tex., assignors to Ralph H. Fash, trustee, Fort Worth, Tex.
Application November 6, 1944, Serial No. 562,238
17 Claims. (Cl. 250—71)



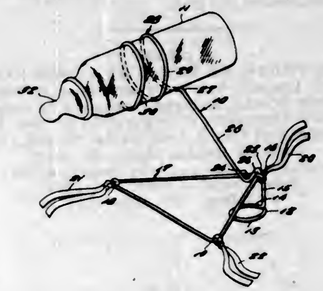
1. An oil exploration method which comprises extracting from a measured sample of earth material by a measured amount of an oil solvent the petroleum and such non-petroleum substances as are soluble in said solvent, effecting major separation of the non-petroleum component from the petroleum component in the extract by a separating procedure which includes the utilization of preferential adsorption, and arriving at an index of the petroleum content of the earth material sample by utilizing the residual soluble constituents in an extract containing them.

2,459,513
APPARATUS FOR MAKING SPIDERS FOR ELECTRIC LAMPS
John Flaws, Jr., East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application June 4, 1946, Serial No. 674,337
16 Claims. (Cl. 49—2)



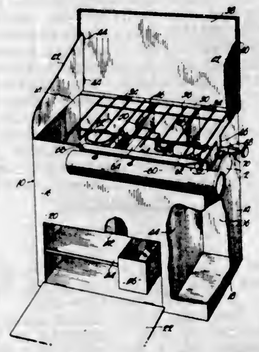
1. Apparatus for forming a spider on a vitreous arbor extending from a stem comprising a head having jaws for gripping and supporting a stem and having movable jaws readily adjustable with respect to said first-mentioned jaws for holding and positioning an end portion of an arbor extending from the stem, burners and means for heating and then upsetting a portion of the arbor to form a button, means engaging the head for adjusting the position of the movable jaws with respect to the said first-mentioned jaws to reposition said movable jaws along the arbor, and means for heating and thereafter upsetting another portion of the arbor to form a button, and means mounting said head and said burners and upsetting means for bringing them into operative relationship.

2,459,514
NURSING BOTTLE HOLDER
Howard B. Fliekinger, Ashtabula, Ohio
Application May 16, 1945, Serial No. 594,075
1 Claim. (Cl. 248—107)



In a device as described a bottle holder and a support therefor formed of a single piece of spring metal, said holder including a pair of spaced flat members of unequal size, the larger member being a triangle and constituting a base, an inclined bottle holding arm extending from one corner of the triangle, a clamp connecting the arm to said corner of the triangle, said clamp forming a resilient support for the arm, a coil spring terminating the upper end of the arm and forming a bottle holder, and cord means whereby the triangle may be secured from a plurality of points thereof.

2,459,515
PORTABLE CAMPING STOVE
Elgie C. Flinner, Kansas City, Mo.
Application January 15, 1945, Serial No. 572,805
3 Claims. (Cl. 126—38)



1. A portable camping kitchen comprising an open top case including side walls, end walls and a bottom; vertical and horizontal partitions in the case dividing the same into a number of com-

partments; a cover mounted on the case for movement to and from a position closing the top

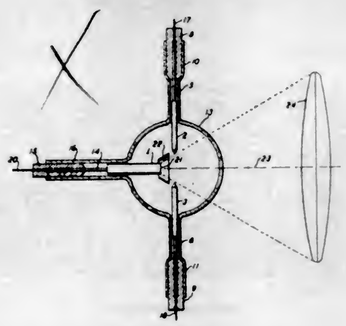
whereby an intermediate group of the slats are

in one position and to restrict passage of fluid in another position, said movable member in-

from the class consisting of those of the following formulae:

partments; a cover mounted on the case for movement to and from a position closing the top of the case; a grill swingably carried for disposition over at least a portion of the open top of the case; and a heat generating assembly proportioned to be received in one of the compartments of the case and having means for securement to the upper edge of the case when the cover is moved from the closed position, certain of the vertical partitions in the case having notches to receive the heat generating assembly when the same is supported in the operative position by the partitions below the grill.

2,459,516
HIGH-PRESSURE MERCURY VAPOR LAMP
Victor J. Francis, Aylesbury, and Evan H. Nelson, Harrow Weald, England, assignors to General Electric Company, a corporation of New York
Application July 9, 1946, Serial No. 682,176
In Great Britain March 22, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 22, 1964
4 Claims. (Cl. 176—122)



1. In combination, a high pressure mercury vapor discharge lamp comprising an envelope, and a plurality of electrodes positioned within said envelope including a single electrode of one polarity having a free end affording an operating electrode face and a plurality of electrodes of opposite polarity having their principal axes lying in a plane transverse to the longitudinal axis of said single electrode and longitudinally spaced therefrom, the distance between any pair of electrodes between which an arc discharge passes in normal operation being less than the distance of either electrode of the pair from said envelope and said plurality of electrodes being radially and symmetrically positioned to produce with said single electrode a conical array of electric discharges.

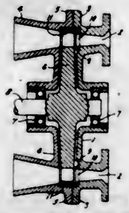
2,459,517
VENETIAN BLIND
Roy E. Gearhart, Kansas City, Mo.
Application September 4, 1944, Serial No. 552,693
8 Claims. (Cl. 160—115)

3. In a Venetian blind construction including a plurality of slats supported in vertically spaced relation on a pair of ladder tapes and having manually controlled means for simultaneously tilting all of the slats in the same direction, manually controlled means operable to tilt a lower group of the slats in one general direction, and manually controlled means operable whereby an intermediate group of the slats are tiltable to any desired degree in the opposite general direction independently of the slats thereabove.

2,459,518
PARENTERAL SOLUTIONS OF RIBOFLAVIN AND THE LIKE
Tillman D. Gerlough, Highland Park, and Emil L. Smith, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 27, 1946, Serial No. 679,857
5 Claims. (Cl. 167—81)

1. A parenteral solution essentially comprising water, a pharmacodynamically-unobjectionable indole, and a 9-polyhydroxyalkyl-iso-alloxazin in a concentration higher than that obtainable in the absence of the indole.

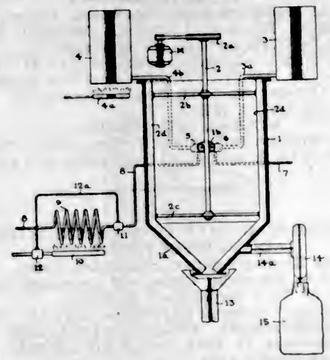
2,459,519
SPEED LIMITING ARRANGEMENTS FOR TURBINE ROTORS
Douglas H. Graham, Coventry, Bengt E. G. Forsling, Rugby, and George Tabberer, Coventry, England, assignors to General Electric Company, a corporation of New York
Application March 16, 1948, Serial No. 15,234
In Great Britain June 16, 1947
4 Claims. (Cl. 253—59)



1. In a turbine comprising a casing, a bladed rotor rotatably supported in the casing, and nozzle means for directing motive fluid through the turbine rotor, the combination of speed limiting means including a movable member supported in the casing between the nozzle means and the rotor, means adapted to locate said member axially and radially while permitting limited angular movement relative to the nozzle means, said member defining at least one opening adapted to effect free passage of motive fluid to the rotor

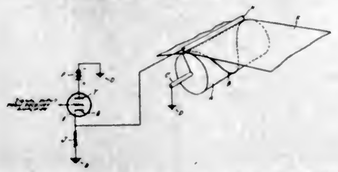
in one position and to restrict passage of fluid in another position, said movable member including an axially extending portion radially spaced from a peripheral portion of the rotor, said rotor portion being adapted to stretch radially upon attaining a predetermined speed into engagement with said axially extending portion whereby the movable member is caused to move to the fluid restricting position.

2,459,520
METHOD OF MIXING BITUMINOUS MATERIALS WITH FILLERS
Bruce D. Greenshields, New York, N. Y.
Application August 22, 1944, Serial No. 550,656
4 Claims. (Cl. 106—283)

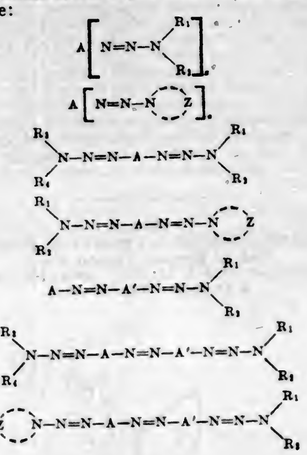


1. The method of mixing bituminous material with finely divided filler which consists in forming a water slurry of the filler material, atomizing the slurry into a cloud, heating the bituminous material to liquefy the same, atomizing the liquid bitumen by an air spray heated to a temperature of the order of 250° F., and introducing a cloud of said atomized bitumen into the same space with the atomized slurry cloud.

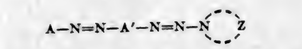
2,459,521
ELECTROLYTIC RECORDING
Harold G. Greig, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1944, Serial No. 558,717
12 Claims. (Cl. 204—2)



1. The process of producing colored images on a relatively stable background on only one side of a travelling fibrous carrier by the electrolytic facsimile recording method which comprises impregnating the carrier with an aqueous alkaline azo dye forming composition comprising as its essential ingredients a diazoamino compound stable to light and air oxidation in an alkaline medium and splitting under the influence of the electrolytic recording current to yield diazonium ions, said compound being selected from the class consisting of those of the following formulae:

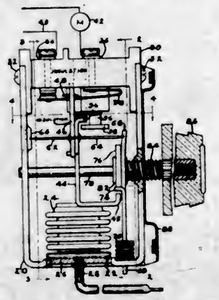


and



wherein R_1 and R_3 are selected from the class consisting of hydrogen, aliphatic, araliphatic, cycloaliphatic and aromatic radicals, R_2 and R_4 are selected from the class consisting of aliphatic, araliphatic, cycloaliphatic and aromatic radicals, A and A' are aromatic radicals, Z represents the atoms necessary to complete a nitrogenous heterocyclic ring system, and x is selected from the class consisting of 1 and 2, a water soluble inorganic salt as the electrolyte in an amount sufficient to facilitate the passage of the electrolytic recording current, and a sufficient quantity of a coupling component to react with said diazonium ions when formed to produce an azo dye, and subjecting the so treated carrier to the action of an electrolytic recording current.

2,459,522
SWITCH FOR REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 30, 1944, Serial No. 560,996
3 Claims. (Cl. 200—83)



1. A bellows-operated control comprising a U-

shaped metal frame, a block of electrical insulating material extending between the ends of the legs of the U-shaped frame and fastened

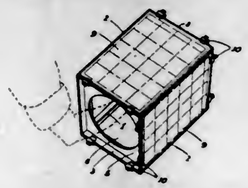
a level for sliding movement into one of said tray carrying supports, manually controlled means for moving said uppermost one of the

a flexible diaphragm and each connected at its inner ends to a common coaxial tubular member, the ends of said tubular member extending into said chambers and forming a seat for said dia-

sitions for preventing turning movement of said shafts, and an operating lever associated with each shaft and having a portion engageable with its latch device whereby initial turning move-

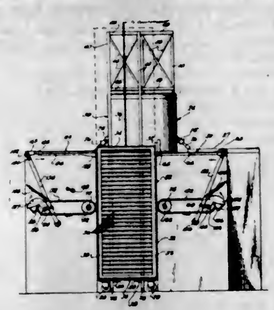
shaped metal frame, a block of electrical insulating material extending between the ends of the legs of the U-shaped frame and fastened thereto, a switch mechanism mounted upon the in-turned side of the block and having terminals extending through the block to one of the other faces; a metal bellows fastened to the yoke of the frame, a bellows follower operatively connecting said bellows and said switch mechanism, and a range adjusting means mounted upon one of the legs of the U-shaped frame for acting upon the bellows follower to vary the range of the control.

2,459,523
RECORD SHEET SUPPORTING DEVICE
Harold Hansen, Fresno, Calif.
Application March 31, 1947, Serial No. 738,474
6 Claims. (Cl. 281—44)



1. A manually portable device for supporting a plurality of record sheets exposed for selective use, the device comprising a multi-sided support, each side being a flat board adapted for engagement on the outside by a separate record sheet, means to releasably secure the record sheets to said boards, and a handle on the support in position for manual carrying of the device and rotation thereof to position the sheets uppermost selectively; the support being a box having an access opening in one end thereof, and the handle being mounted within the box.

2,459,524
TRAY MOVING APPARATUS
Merle E. Hanson, Chicago, Ill.
Application December 5, 1945, Serial No. 632,981
17 Claims. (Cl. 214—38)



5. In candy manufacturing apparatus, the combination comprising rack means having a plurality of spaced tray carrying supports, means adjacent one side of the rack for supporting a stack of empty trays, one on top of the other, with the uppermost tray in a position to be filled and at a level for sliding movement into one of said tray carrying supports, manually controlled means for moving said uppermost one of the trays from the stack toward and onto said one of the tray carrying supports in steps of selected lengths, means operable after the movement of said uppermost one of the trays onto the rack for raising said stack a distance equal to the thickness of a tray, and means for moving the rack to a position for receiving the next succeeding tray from the stack on the next succeeding tray carrying support thereof in like manner.

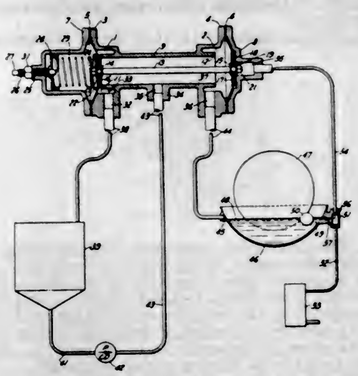
2,459,525
TRIPHENYLMETHYL BUTYL ETHER AS AN INSECTICIDE
Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application May 31, 1940, Serial No. 338,047. Divided and this application October 23, 1944, Serial No. 560,028. In Canada April 9, 1941
5 Claims. (Cl. 167—30)

2. An insecticidal composition including a toxic amount of triphenylmethyl butyl ether and a distender.

2,459,526
1-NAPHTHYLMETHYL TETRADECYL ETHER AS AN INSECTICIDE
Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application May 31, 1940, Serial No. 338,047. Divided and this application October 23, 1944, Serial No. 560,029. In Canada April 9, 1941
5 Claims. (Cl. 167—32)

1. A method of combating insect pests which includes exposing them to a toxic quantity of 1-naphthylmethyl tetradecyl ether.

2,459,527
VALVE FOR OVERFLOW SYSTEMS
Elmer H. Herbert, Oakland, Calif., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application December 27, 1945, Serial No. 637,363
3 Claims. (Cl. 137—144)

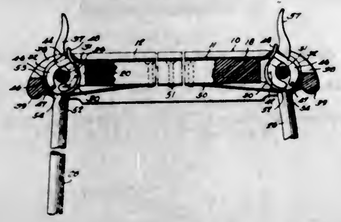


1. A valve comprising: a pair of opposed coaxial chambers each closed at its outer end with a flexible diaphragm and each connected at its inner ends to a common coaxial tubular member, the ends of said tubular member extending into said chambers and forming a seat for said diaphragms; a connecting rod extending through said tubular member for interconnecting said diaphragms so that the movement of one of said diaphragms will be imparted to the other of said diaphragms, the length of said connecting rod being substantially greater than the length of said tubular member; a port formed in each of said chambers and a port formed in said tubular member intermediate its ends; and means for subjecting one of said diaphragms to an external pressure.

2,459,528
APPARATUS FOR TAKING RADIOGRAPHS
Harry H. Hook, Los Angeles, Calif.
Application May 13, 1944, Serial No. 535,419
3 Claims. (Cl. 250—65)

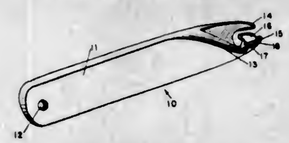
1. An insert for a cassette, said insert comprising means transparent to X-rays for supporting two intensifying screens on its opposite sides about ¼" apart.

2,459,529
TRAY TABLE
Walter E. Jogwick, Parkersburg, and Eli H. McLaughlin, Vienna, W. Va.
Application February 15, 1946, Serial No. 647,841
3 Claims. (Cl. 311—85)



1. A tray-table comprising a normally horizontal body, parallel shafts arranged beneath said body each adjacent one end thereof, a pair of legs fixed to each shaft to swing therewith, said legs being movable between inoperative positions beneath and approximately parallel to said body and operative positions projecting downwardly from said body to support said body as a table, latch devices for holding said shafts against turning movement when said legs are in said inoperative positions, a lever device adjacent each end of said body engageable with the associated latch device whereby turning movement of said lever devices will release said latch devices whereby said legs will swing downwardly by gravity to said operative positions, said latch devices being operative when said legs are in said operative positions for preventing turning movement of said shafts, and an operating lever associated with each shaft and having a portion engageable with its latch device whereby initial turning movement of said operating levers in one direction will release said latch devices, said operating levers having mechanical connection with said shafts whereby turning movement of said operating levers in said direction, after said latch device has been released, will swing said legs to said inoperative positions.

2,459,530
BAG AND CONTAINER TYING DEVICE
Lewis E. Johnston, Winter Garden, Fla.
Application November 21, 1946, Serial No. 711,265
2 Claims. (Cl. 289—17)



1. A knot-tying implement for tying closure cords of containers, wherein the ends of the closure cord are tied with a knot of the slip-knot type to produce a temporary closure of the container releasable by drawing upon the free ends of the cord, said implement comprising a generally flat body-portion having one end zone formed as a nose for positioning the closure cord end zones thereon with the latter including a portion having a convolution relation to the body proper and with such cord end zones arranged to produce the knot by movement of the applied zones relative to the direction of length of the implement, said implement having its nose zone of decreasing width toward the end of the nose with such nose zone bifurcated, the opposite side walls of the bifurcation being substantially symmetrical and spaced apart to provide an open-ended recess portion having the width of its open end sufficient to permit the free passage of a formed loop therethrough and with the recess enlarged rearwardly of such open end, one of the side walls of the recess carrying a hook formation projecting into the enlarged zone of the recess with the projected length less than the width of such enlarged zone, said hook having a rear face positioned remote from the end of the nose a distance greater than the width of the enlarged zone of the recess, whereby after the cord end zones have been applied to the nose end zone of the implement with such cord end zones extending through the recess enlarged zone in rear of the rear hook face and the applied formation tightened to place the implement in close proximity to the container, sudden withdrawal movement of the implement lengthwise will develop the knot formation with the knot bight and free cord ends external of the recess and with a closed loop mounted on the hook and releasable therefrom for free passage through the open end of the recess with the loop intact, the distance dimension of the hook rear face and the position of the implement relative to the container prior to the withdrawal movement causing the knot to be formed with its loop length and free cord end portions projecting on opposite sides of the knot bight with the projected lengths amply sufficient to maintain knot integrity in the absence of intentional release of the loop of the knot by drawing on the free ends of the cord.

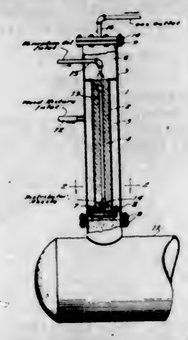
2,459,531
CATALYST ABSORPTION
Edwin E. Jones, Bates City, Ohio, assignor to

spaced relation, temporarily mounting a focus-determining member in fixed relation to the gap between said electrodes, adjusting said electrodes

2,459,535
SERVO UNIT TEST STAND
Andrew F. Kopischiansky, Maple Heights, Ohio,

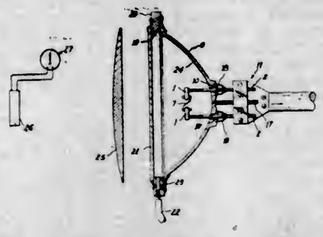
each strip during substantially its entire travel from supply reel to arbor along an arcuate path whose curvature is reverse with respect to the

2,459,531
CATALYST ABSORPTION
Edwin K. Jones, Ponca City, Okla., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 1, 1945, Serial No. 571,007
5 Claims. (Cl. 261—94)



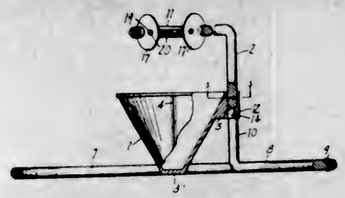
1. An apparatus for the recovery of a desired component by selective absorption comprising inner and outer shells providing thereby an inner chamber and an outer chamber, means forming said inner chamber into upper and lower sections, and to maintain separate said outer chamber from the upper section of said inner chamber, a conduit for vapor communicative with the upper portion of said outer chamber and leading to a distributing nozzle positioned in the lower end of said inner chamber, means providing gas and liquid contact in the lower section of said inner chamber, an inlet conduit for liquid connected to said outer chamber, an inlet conduit for liquid and an outlet conduit for vapor connected to the upper section of said inner chamber, each of said chambers having liquid outlet means from the lower ends thereof and discharging into a common conduit.

2,459,532
METHOD OF FOCUSING REFLECTOR-TYPE ELECTRIC DISCHARGE LAMPS
Lynn S. Ickis, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application March 31, 1948, Serial No. 18,203
5 Claims. (Cl. 316—23)



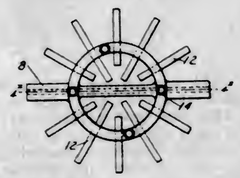
1. The method of mounting a pair of electrodes in an electric lamp envelope having a reflector surface incorporated therein which comprises the steps of holding said electrodes in predetermined spaced relation, temporarily mounting a focus-determining member in fixed relation to the gap between said electrodes, adjusting said electrodes and focus-determining member as a unit relative to said reflector surface to obtain by reflection of light from said reflecting surface an indication of the presence of said focus-determining member at the focus of said reflector surface, sealing said electrodes to said envelope in their adjusted position and removing said focus-determining member.

2,459,533
HOLDER FOR CHRISTMAS TREES, FLAGSTAFFS, AND THE LIKE
Ward M. Irvin, Battle Creek, Mich.
Application March 23, 1948, Serial No. 16,408
11 Claims. (Cl. 248—38)



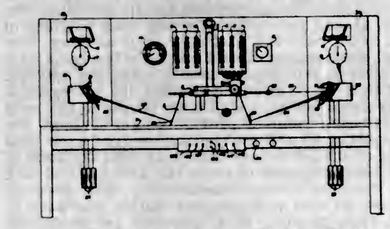
6. A holder of the class described comprising, a socket member, a loop-like base, an upright carried by said base, an annular support on said upright vertically spaced from said base, means on said upright engageable with said socket to laterally support the same from the upright while permitting it to rest on the surface on which the base is supported, a plurality of gripping elements rotatably mounted on said support member in angularly spaced relation thereon and having gripping edges eccentric to the cross section of said support, and coil spring elements connecting said gripping elements to yieldingly urge them inwardly.

2,459,534
MAGNETIC SEPARATOR FOR FLUID SYSTEMS
Thomas A. Kennedy, Erie, Pa., assignor to J. A. Zurn Mfg. Co., Erie, Pa.
Application March 23, 1945, Serial No. 584,316
4 Claims. (Cl. 210—1.5)



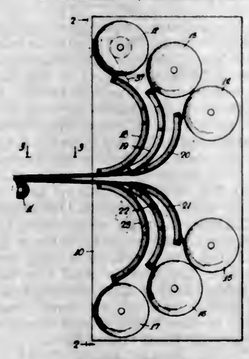
2. The combination with a fluid circulating system embodying a vertically extending collection chamber having an upper inlet port and a lower outlet port, of a supporting ring of non-magnetic material located crosswise of the chamber below the inlet port and provided with radial notches in its upper face, an overlying clamping ring on said supporting ring and a series of radially extending bar magnets mounted in said notches and secured between the rings.

2,459,535
SERVO UNIT TEST STAND
Andrew F. Kopischiansky, Maple Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application May 14, 1945, Serial No. 593,618
7 Claims. (Cl. 73—37)



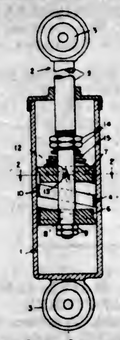
2. In a test stand for multiple cylinder and piston servo units, a plurality of hydraulic lines adapted to be connected to opposite cylinder ends of a servo unit to be tested, hydraulic pressure and relief lines, a plurality of calibrated gage glasses equal to the number of cylinder ends in the servo unit to be tested, a first plurality of solenoid valves for connecting said pressure and relief lines with said hydraulic lines so as to admit pressure in predetermined ends of the servo unit cylinders and to connect the low pressure cylinder ends to the relief lines, and a second set of solenoid valves operable to connect said gage glasses with the low pressure ends of the servo unit cylinders and to disconnect the relief lines therefrom to measure internal leakage in each of said servo unit cylinders individually.

2,459,536
METHOD AND APPARATUS FOR WINDING COILED BODIES
Ernst A. Nordberg, Southport, Conn.
Application July 21, 1945, Serial No. 606,452
9 Claims. (Cl. 242—76)



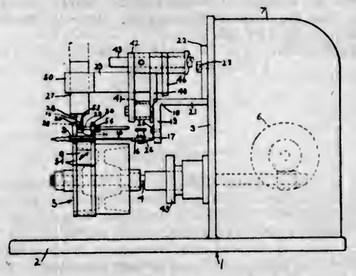
1. In the process of winding a plurality of strips in superposed relationship onto a winding arbor, the steps which consist in mounting the several strips in the form of supply reels upon superposed axes parallel to the arbor axis, arranging the edges of said reels in predetermined lateral relationships to one another, threading the strip ends into engagement with the arbor, rotating the arbor to draw selected strip lengths from said supply reels to said arbor, and guiding each strip during substantially its entire travel from supply reel to arbor along an arcuate path whose curvature is reverse with respect to the curvature of said strip on its supply reel.

2,459,537
DAMPENING DEVICES FOR SHOCK ABSORBERS AND THE LIKE
Peter B. Oberstadt, Wickliffe, Ohio
Application May 27, 1946, Serial No. 672,550
11 Claims. (Cl. 188—129)



1. A shock absorber element comprising a rod, spaced heads on said rod rotatable relative to one another, a member connected to said heads expandible in response to relative rotation of said heads in one direction, and means normally tending to rotate said heads relative to one another in said direction.

2,459,538
MACHINE FOR MARKING ON CYLINDRICAL ARTICLES
Charles F. Robbins, Keene, N. H., assignor to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application November 14, 1944, Serial No. 563,329
6 Claims. (Cl. 101—38)



1. A machine for making imprints on cylindrical articles comprising a printing roll, a stationary holder for the cylindrical article to be printed situated directly above the printing roll and having a vertical opening extending entirely therethrough from the top to the bottom, which opening is of a size and shape to freely receive between its sides the cylindrical article to be printed with the axis of said article extending parallel to that of the printing roll, said holder being sufficiently close to the printing roll so that a cylindrical article situated between the

sides of the opening and resting on said printing roll is held from horizontal movement of translation by the sides of the opening, and means to

tially equal to the width of said transversely disposed notches in said reversely bent side edge portions, said slots in side elevation being curved

providing a reentrant flange defining an aperture and a plastic disc molded within said aperture with the edge portion of said flange embedded in the peripheral edge of said disc, which method comprises shaping a cup-shaped metallic shell

2,459,546
BABY BOTTLE HOLDER
Irving Selden, Brooklyn, N. Y.
Application February 3, 1947, Serial No. 726,147
7 Claims. (Cl. 248—103)

sides of the opening and resting on said printing roll is held from horizontal movement of translation by the sides of the opening, and means to rotate the printing roll and by the frictional engagement between it and the cylindrical article occupying said opening and resting thereon, to rotate said cylindrical article within said opening thereby to make a printed impression on the article.

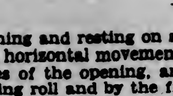
2,459,539
PREPARATION OF ALKYL-SUBSTITUTED HALOGENOSILANES
Eugene G. Rochow, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 22, 1947, Serial No. 749,875
9 Claims. (Cl. 260—448.2)

1. The method of forming an alkyl-substituted halogenosilane which comprises reacting with silicon at an elevated temperature a mixture comprising (1) an ether corresponding to the general formula ROR' where R and R' are each an alkyl group having from 1 to 4 carbon atoms and (2) a hydrogen halide.

2,459,540
SEPARATION OF ALKYL-ALKOXYPHENOL MIXTURES
Robert H. Rosenwald, Western Spring, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application October 1, 1947, Serial No. 777,369
6 Claims. (Cl. 260—613)

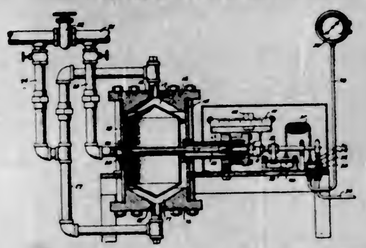
6. A process for concentrating and separating an o-tertiarybutyl-p-alkoxyphenol from a m-tertiarybutyl-p-alkoxyphenol which comprises dissolving the mixture of phenols in a water-immiscible organic solvent and thereafter contacting the resulting phenol-solvent solution with an aqueous caustic solution to form a raffinate phase and an extract phase, separating said phases and recovering said phenols from each of said phases.

2,459,541
SWIVEL RING BINDER
Alfred R. Russell, Grosse Pointe, Mich., assignor to The Burkhardt Company, Detroit, Mich., a corporation of Michigan
Application May 29, 1944, Serial No. 537,796
1 Claim. (Cl. 129—1)



In a swivel ring type binder, in combination, a plate member, reversely bent side edge portions on said plate member providing a pair of opposed and spaced channels each of partially circular cross-sectional configuration, said reversely turned side edge portions having transversely disposed notches opening onto the free edges thereof and said notches being aligned with each other transversely of the length of the said plate member, a flexible split ring member distortable under manual pressure and within the elastic limits of the material thereof to vary the distance between the free ends thereof, each free end portion of said ring member being provided with a slot in each side thereof, said slots being arranged in opposed relation with respect to each other and the slots in each of said free end portions being spaced from one another by a distance substantially equal to the width of said transversely disposed notches in said reversely bent side edge portions, said slots in side elevation being curved into conformance with the cross-sectional curvature of said reversely bent side edge portions and being of a width substantially equal to the thickness of the material of said reversely bent side edge portions whereby said free end portions may be removably received in the notched portions of said reversely bent side edge portions of said plate member and said ring member may pivot about either of said reversely bent side edge portions of said plate member when the opposite end thereof is disengaged from its correspondingly reversely bent side edge portions, the ends of said ring member providing cam surfaces engageable with the corresponding free edge portions of said reversely bent side edge portions of said plate member to force the free ends of said ring member toward one another upon pressure applied to said ring member during assembly to said plate member in a direction perpendicular to the general plane of thickness of said plate member and in a direction towards the latter.

2,459,542
DENSITY MEASURING APPARATUS
Albert J. Rosenberger, Chicago, Ill., assignor to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1944, Serial No. 547,114
7 Claims. (Cl. 73—33)



1. Density measuring apparatus comprising a pivoted balance beam, a fluid chamber into which one end of the beam extends, a fluid displacement member secured to said one end of the beam and lying in the chamber to exert a tilting force on the beam, pressure responsive means connected to the beam to exert an opposing tilting force thereon, means controlled by tilting of the beam to produce a regulated pressure and connected to the pressure responsive means, means forming a set of ports at the opposite ends of the chamber, means forming a set of ports in the central portion of the chamber, a pipe connecting the ports at the ends of the chamber and having a flow connection at its mid point whereby flow resistance between the flow connection and the end ports will be the same, and a flow connection to the other set of ports, one of the flow connections supplying fluid to the chamber and the other connection discharging fluid therefrom.

2,459,543
BASE FOR AN ELECTRIC DEVICE
John F. Schmerheim, South Euclid, Ohio, assignor to General Electric Company, a corporation of New York
Application June 14, 1947, Serial No. 754,731
2 Claims. (Cl. 176—32)

1. A method for constructing a base structure for an electric device comprising a metallic shell

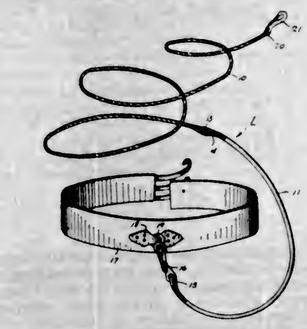
providing a reentrant flange defining an aperture and a plastic disc molded within said aperture with the edge portion of said flange embedded in the peripheral edge of said disc, which method comprises shaping a cup-shaped metallic shell to provide a deformable frusto-conical shaped

flange defining an aperture and the surface of which lies within a 30 to 60 degree angle of the vertical axis of said shell, inserting plastic molding material within said aperture and compressing said plastic molding material to deform said flange and embed said flange within the peripheral edge of said disc.

2,459,544
ALKYL NORCAMPHANYL ETHERS
Louis Schmerling, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 30, 1945, Serial No. 591,219
8 Claims. (Cl. 260—611)

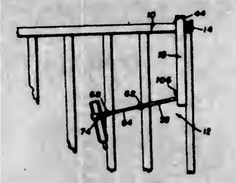
4. A process for producing an alkyl norcamphanyl ether which comprises reacting as the sole reactants in the process an alkanol and a 2-halo-bicyclo-(2,2,1)-heptane at a temperature of from about 100° to about 300° C.

2,459,545
LIFE LINE
Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware
Application April 5, 1946, Serial No. 659,779
2 Claims. (Cl. 227—49)



1. In a life line of the character described, a relatively non-elastic, non-stretchable section, fastening means carried at the free end of said section, a section made from undrawn synthetic plastic fibers joined to said first section, fastening means at the free end of said section of undrawn synthetic plastic fibers and means adapted to be worn by a person coupled with said last-named fastening means, whereby when said first-named fastening means is secured to a support and the weight of said person is applied to the line, said undrawn fibers elongate permanently and while so elongating absorb energy and serve as a shock absorber.

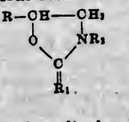
2,459,546
BABY BOTTLE HOLDER
Irving Seiden, Brooklyn, N. Y.
Application February 3, 1947, Serial No. 726,147
7 Claims. (Cl. 248—103)



1. An article support comprising a channel shaped base, a telescoping arm, a pivot for securing said arm to said base, flexible fingers swiveled at one end of said arm and means for locking said arm in predetermined pivoted positions upon said base, said last named means including an axle rotatably journaled in said channel shaped base, a drum rigidly secured to said axle, said arm detachably connected to said drum.

2,459,547
CELLULOSE OXAZOLIDONE ETHERS AND METHOD OF MAKING SAME
Frank K. Signaigo, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 8, 1946, Serial No. 702,076
19 Claims. (Cl. 260—213)

1. A method of preparing cellulose oxazolidones wherein the oxazolidone nucleus is attached to the cellulose unit by an ether link, which comprises reacting, in the presence of alkali, a cellulosic substance selected from the class which consists of cellulose and low substituted cellulose ethers with an oxazolidone having the following general formula:



wherein
R is a halogenalkyl radical selected from the group which consists of chloroalkyl and bromoalkyl;
R_1 is selected from the group which consists of O and NH; and
R_2 is a radical selected from the group which consists of alkyl, aryl, aralkyl, and hydrogen.

2,459,548
CORN GERM REMOVAL
Philip A. Singer and Harold J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc., a corporation of Indiana
Application December 6, 1944, Serial No. 566,852
6 Claims. (Cl. 127—67)

1. The method which comprises supplying only sufficient water to corn to bring the moisture content thereof to 20–30% by weight, maintaining the corn in the presence of the added moisture for a short period sufficient to distribute the moisture substantially uniformly through the corn, cracking the corn to loosen the germ, supplying additional moisture to the corn to form a starch liquid, violently agitating the corn in the presence of the added moisture to produce a

starch liquid having a higher specific gravity than that of the corn germ, and separating the germ

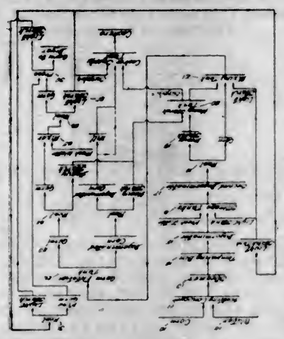
the chamber for conveying the organic material to, through, and from the bath, comprising an upper and a lower endless conveyor screen no coarser than about 80 mesh, adapted to confine and convey the organic material therebetween; the screens being mounted for movement in the

between said additional devices, and one of said additional devices being variable for shifting the phase of the electromotive force applied to the grid circuit for varying the output of the tube.

---

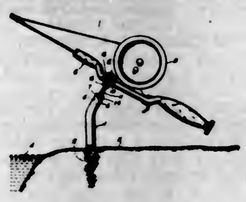
tubular member having at its bottom end a sealing section complementary to said seat and adapted to seat thereon, a fixed weight attached to said tubular member biasing it into engagement with said seat, a plurality of inner telescopically arranged valve seat members mounted within and telescoping with said tubular member and having

starch liquid having a higher specific gravity than that of the corn germ, and separating the germ



by flotation from the corn in the presence of said starch liquid.

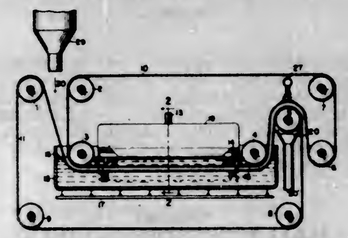
2,459,549
FISHING ROD HOLDER
J L Smith, Birmingham, Ala.
Application December 29, 1945, Serial No. 637,944
1 Claim. (Cl. 248—42)



In association with a fishing rod formed with a transversely extending aperture adjacent the handle thereof, a holder comprising a cylindrical standard terminating at one end in a pointed extremity adapted for insertion in the ground, the remaining end portion of said standard being formed with a blind, axial bore and with a pair of diametrically opposed, open-ended slots in the wall of said bore, an adapter bar having one end portion thereof removably secured in the aperture of said rod, and a transversely extending pin secured adjacent the remaining end of said bar, the pin-equipped end portion of said bar being removably receivable in said bore and said slots receiving the end portions of said pin.

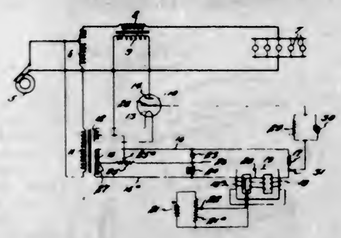
2,459,550
DESTRUCTIVE DISTILLATION OF SOLIDS IN A LIQUID BATH
Alfred J. Stamm, Madison, Wis.; dedicated to the free use of the People in the territory of the United States
Application January 10, 1947, Serial No. 721,336
7 Claims. (Cl. 202—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. An apparatus for the rapid continuous destructive distillation of subdivided solid organic material comprising; a chamber containing a molten metal bath; means mounted partly within the chamber for conveying the organic material to, through, and from the bath, comprising an upper and a lower endless conveyor screen no coarser than about 80 mesh, adapted to confine and convey the organic material therebetween; the screens being mounted for movement in the same direction longitudinally of and beneath the surface of the molten metal and for withdrawal



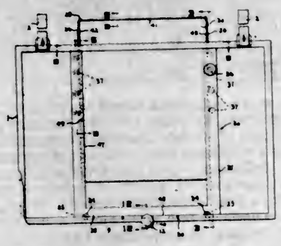
together from the bath; both screens being substantially impermeable to flow of the molten metal to prevent admixture of the molten material with the organic material confined therebetween, the upper conveyor being permeable to flow of vapor; and condenser means mounted adjacent to the surface of the molten metal to condense the vapors distilled from the organic material.

2,459,551
VOLTAGE AND PHASE CONTROL
Stephan Steinitz, New York, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application April 12, 1946, Serial No. 661,546
3 Claims. (Cl. 323—89)



1. Electric controlling apparatus comprising a gas filled three-element tube, an alternating current source for supplying energy to said tube, an output circuit connected in the plate circuit of said tube, impedance devices of different character from each other connected in series across said source for establishing an electromotive force out of phase with the electromotive force of said source between an intermediate point of said devices and said source, an impedance device connected between said intermediate point and said source, one side of the grid circuit of said tube being connected to an intermediate point of said last named device, additional impedance devices of different character from each other connected in series across said source for establishing an electromotive force out of phase with said source between an intermediate point of said additional devices and said source, the other side of said grid circuit being connected to a point between said additional devices, and one of said additional devices being variable for shifting the phase of the electromotive force applied to the grid circuit for varying the output of the tube.

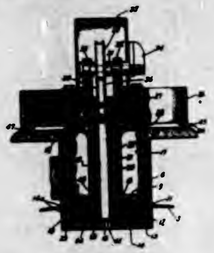
2,459,552
APPARATUS FOR PRODUCING PHOTOGRAPHIC MULTIPLE COPIES
Justus S. Stoner, El Cajon, and Alvin H. Luitjens, San Diego, Calif.
Application August 7, 1945, Serial No. 609,398
1 Claim. (Cl. 88—24)



An outfit for producing multiple photographic copies from an original by multiple exposure of a sensitized surface arranged in the focal plane of a stationary camera, comprising a movable holding plate for the original covering an area which is a multiple of the area covered by the original and which is completely covered by a non-actinic surface, said holding plate being adapted to fixedly hold and carry the original on the surface facing the camera, in a plane parallel to the focal plane at a distance at which the image of the original on the work plate covers merely a fraction of the sensitized layer in the camera, a frame holder, a frame slidably arranged therein, means for slidably holding the holding plate within said slidable frame for a longitudinal movement along said frame, the direction of movement of the frame within the frame holder being perpendicular to the direction of movement of the holding plate within the frame, means for moving said frame and for fixing it in a predetermined position within said frame holder, means for moving said holding plate within said frame and for fixing it in a predetermined position, a scale on said slidable frame, a fixed indicator marker cooperating with said scale, a further fixed scale associated with said fixed indicating marker, and a gliding marker on said last named scale, adapted to be adjusted on the latter to mark in advance the extent of the shifting movement.

2,459,553
SAFETY AND RELIEF VALVE
Earle C. Sullivan, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 31, 1945, Serial No. 625,900
2 Claims. (Cl. 137—53)

1. A pressure relief valve comprising a housing having a pressure relief passage one end of which is adapted for connection with a source of pressure, and the other end of said passage constituting a release port, a valve seat at said other end opening into said port, a valve seating on said seat to close said port, said valve having an outer tubular member having at its bottom end a sealing section complementary to said seat and adapted to seat thereon, a fixed weight attached to said tubular member biasing it into engagement with said seat, a plurality of inner telescopically arranged valve seat members mounted within and telescoping with said tubular member and having



at their lower ends sealing sections complementary to said seat and adapted to seat thereon in sealing relation, and operating means for selectively moving said tubular member and said inner members vertically out of engagement with said seat so as to vary the effective area of said valve exposed to the pressure in said passage.

2,459,554
DRAWING SCALE
Stephen V. Tomko, McKeesport, Pa.
Application December 2, 1946, Serial No. 713,592
3 Claims. (Cl. 33—138)

3. A device of the class described comprising a pair of spool housings, an inverted T-shaped connecting arm, extending between said housings adapted to keep said housings in spaced apart relation, a pair of shafts journaled in said housings for rotation, a longitudinal key on said shafts, a pair of spools, longitudinal bores having key slots in said spools adapted to receive the shafts and the keys carried by said shafts, finger knobs carried by one end of said shafts, a substantially circular nut adjustably carried by the opposite ends of said shafts, said nuts being tightened against the housings for preventing rotation of said shafts, recesses in the outer faces of said housings adapted to receive said finger knobs and circular nuts carried by the shafts, and a graduated flexible tape carried by said spools and adapted for longitudinal adjustment under said connecting arm, the lower portion of said connecting arm being transparent and bearing on the upper face of said tape.

2,459,555
LUMINESCENT MARACA
Raymond J. Tossas, New York, N. Y.
Application July 11, 1946, Serial No. 682,899
1 Claim. (Cl. 46—193)

In a sound producing instrument consisting of a pair of hemispherical transparent shells joined together so as to form a hollow spherical member and being provided with a handle, the combination of a layer of self-luminous substance attached to the inner side of one of said shells,

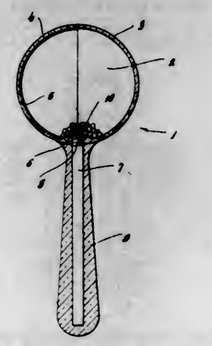
with a plurality of hard particles enclosed within said spherical member, said self-luminous sub-

2,459,557
WAVE LENGTH MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a cor-

disc having a notch opening through the edge thereof facing the concave side of said fold line and extending toward the same, said notch consisting of an outer portion laterally bounded by a

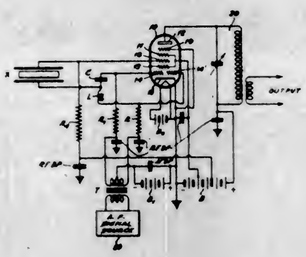
tioned adjacent the top of the can whereby the metal of the can engaged by said V-shaped face of said cutter will be forced into engagement with

with a plurality of hard particles enclosed within said spherical member, said self-luminous sub-



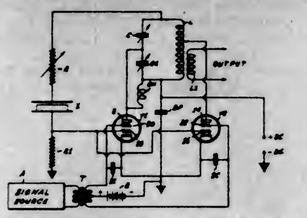
stance being soft and adapted to be transferred to said particles when the latter touch the layer.

2,459,556
ANGULAR VELOCITY MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1943, Serial No. 505,927
1 Claim. (Cl. 179—171.5)



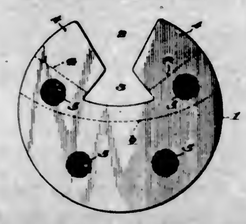
In an oscillation generating and angular velocity modulating system, an electron discharge device having electrodes including a plurality of grids, one of which serves as an anode, an anode, shielding electrodes interposed between said anode and grids, and a cathode, a piezoelectric crystal in a holder having two terminals, phase shifting networks coupling one of the crystal terminals to two of the control grids, a coupling between the other crystal terminal and said grid serving as an anode, resistive connections between said grids and the cathode of said device for supplying operating potentials to said grids to generate oscillations in said device and couplings, a tank circuit connected with the anode of said device, said tank circuit and anode being coupled to said oscillation generating couplings by the electron stream in said device, and connections for differentially modulating corresponding electrodes in said device in accordance with signals.

2,459,557
WAVE LENGTH MODULATION
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 11, 1944, Serial No. 526,008
5 Claims. (Cl. 179—171.5)



1. In a wave generating and wave length modulating system, a tank circuit having parallel branches, one of which branches comprises series capacitors and the other of which branches comprises an inductor, two electron discharge devices each having an anode, a control grid and a cathode, an alternating current coupling between the anode of one device and a point on said capacitive branch intermediate the series capacitors thereof, an alternating current coupling between the anode of the other device and a point on said inductor of said inductive branch of said circuit, an alternating current coupling between the cathodes of said devices and a third point on the parallel branched tank circuit, a piezoelectric crystal in a holder having two terminals, a variable resistor connecting one terminal of said crystal holder to a fourth point on said parallel branched circuit, an alternating current circuit coupling the other terminal of said holder to the control grids of said devices, direct current biasing circuits for said control grids, direct current charging circuits for said anodes and a source of modulating potentials coupled differentially between corresponding electrodes of said devices.

2,459,558
HYGIENIC PROTECTOR APPLICABLE TO DRINKING VESSELS FOR AVOIDING CONTAMINATION BY THE MOUTH
Maruja Gonzalez Villegas de Oribe, Montevideo, Uruguay
Application March 9, 1945, Serial No. 581,846
In Uruguay January 19, 1945
1 Claim. (Cl. 65—13)



A hygienic protector applicable to drinking vessels for avoiding contamination of the mouth, comprising, a disc of deformable relatively stiff water resistant material, an arcuate fold line provided on said sheet for substantially registering with the brim of a drinking vessel after folding said sheet at an angle of at least 90° along said fold line over said brim and into said vessel, said

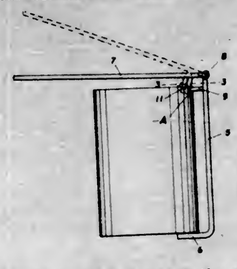
disc having a notch opening through the edge thereof facing the concave side of said fold line and extending toward the same, said notch consisting of an outer portion laterally bounded by a pair of inwardly converging edges of said sheet, and also bounded by a pair of inwardly diverging edges of said sheet and terminating in an arcuate edge spaced from and conforming substantially to the aforesaid fold line, and a pair of straight fold lines on said sheet leading outwardly at right angles from the edges of the inwardly diverging edges of the notch to the outer edge of the disc and defining flaps adapted to be bent upwardly from the portion of the disc lying within the vessel, thereby to engage the cheeks of the user to assist in holding the protector in use on the vessel and also to direct the contents of the vessel through the bottom of the notch to the lips of the user.

2,459,559
GOLF PUTTING TARGET
Robert E. Watkins, Kansas City, Mo.
Application March 31, 1945, Serial No. 585,838
1 Claim. (Cl. 273—36)

A practice golf putting cup comprising, a base having a central opening and a recessed bottom portion, a post extending through the central opening and rotatable therein, means engaging the lower end of the post for retaining the post in said opening, a plate having an upwardly extending boss adapted to engage the upper face of said base, said plate and boss having a central opening through which the post extends, means for rigidly securing the post to said boss so the post and plate will rotate together on said base, a cup member, and means mounting the cup member on said plate, said cup member extending to the side of the base substantially even therewith and adapted to be rotated around said base.

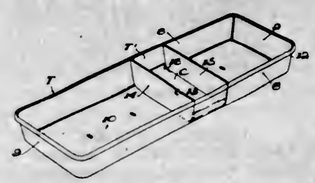
2,459,560
CAN OPENER
Oscar C. Williamson, San Francisco, Calif.
Application January 30, 1946, Serial No. 644,298
1 Claim. (Cl. 7—14.2)

In a can opener, a pair of pivoted members, one of said members being positioned parallel to the side of the can to be opened and having a foot portion underlying the can, the other of said members overlying the can and having an angularly disposed forming cutter secured thereto, one face of said cutter being V-shaped, said first mentioned member having a forming die positioned adjacent the top of the can whereby the metal of the can engaged by said V-shaped face of said cutter will be forced into engagement with



said forming die to form a spout, the apex of said spout lying within the same plane as the side of the can.

2,459,561
ADJUSTABLE AND REMOVABLE COMPARTMENT AND PARTITION FORMING DEVICE FOR TRAYS
Harvey H. Yawman, Le Roy, N. Y., assignor to Union Steel Chest Corporation, Le Roy, N. Y., a corporation of New York
Application June 29, 1944, Serial No. 542,758
5 Claims. (Cl. 220—20)



5. The combination of a tray having a bottom, side and end walls and provided with a plurality of spaced openings in its bottom, and an adjustable and removable partition forming device consisting of a bottom, integral upwardly extending spaced walls and extending transversely of the tray from one side wall to the other to form a compartment, the side edges of the upstanding walls conforming to the configuration of the side walls of the tray and the bottom of the device being provided in the space between the upstanding walls with resilient upwardly extending tongues yieldably engaging the side walls of the tray and clamping the device therein, the bottom of the device being also provided with an integral locking tab struck from the bottom of the device and adapted to be interchangeably positioned in the spaced openings in the bottom of the tray and cooperating with the resilient tongues in holding the device against accidental displacement.

2,459,562
CUP WASHER
Ludger E. La Brie, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application August 27, 1945, Serial No. 612,944
4 Claims. (Cl. 309—33)

1. In a fluid pressure braking system, a flexible cup washer having a lip of a size greater than the diameter of the cylinder in which it is to operate, a base portion having a normal diameter of less than that of the cylinder in which it is to

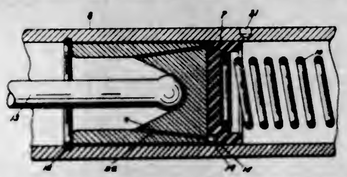
operate, and a split ring surrounding a portion of the base of the flexible cup washer and having

2,459,565
DISPLAY BOX
William Raymond Lee, San Mateo, Calif.

2,459,567
POSITIVE COLUMN LAMP
Eugene Lemmers, Cleveland Heights, Ohio, as-

2,459,569
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.

operate, and a split ring surrounding a portion of the base of the flexible cup washer and having a normal diameter slightly less than the diameter

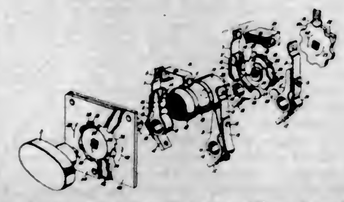


of the cylinder in which it is to operate, the rubber of the cup washer being sufficiently yielding to expand the split ring against the cylinder wall under fluid pressure.

2,459,563
FLAVORING MATERIALS
Roy F. Larson, Robert Winston Liggett, and Wayne C. Mussulman, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application May 19, 1947, Serial No. 749,084
11 Claims. (Cl. 99—145)

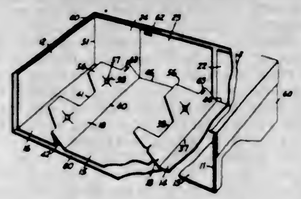
1. In the production of chemically prepared, fermented soy sauce-type condiment, the improvement which comprises fermenting a sugar-containing solution until it develops an aroma and a flavor compatible with said condiment and adding to said condiment a relatively small proportion of the fermented solution, whereby the aroma and flavor of the condiment are improved.

2,459,564
CONTROL DEVICE
Isaac R. Latta, Drexel Hill, Pa., assignor to General Electric Company, a corporation of New York
Application April 17, 1946, Serial No. 662,674
9 Claims. (Cl. 200—5)



2. An electric switch comprising a member mounted for rotation and translation, a switch adapted to be closed upon translatory movement of said member in a predetermined direction and to be opened upon reverse translatory movement of said member, a plurality of switches adapted to be closed consecutively upon rotary movement of said member in one direction and to be opened reversely upon rotary movement of the member in the opposite direction, and means for preventing rotary movement of said member in said one direction until translatory movement thereof in said predetermined direction and for preventing the opposite rotary movement of the member until the reverse translatory movement thereof comprising a ratchet device having two sets of running pawl surfaces in reverse order and a cooperating pawl mounted for movement with said member and relatively to said pawl recesses.

2,459,565
DISPLAY BOX
William Raymond Lee, San Mateo, Calif.
Application April 10, 1946, Serial No. 660,964
1 Claim. (Cl. 206—45.19)



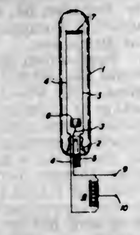
In a display filler adapted to be placed within a box, a flat sheet blank, a longitudinal side strip at each side of said blank adapted to be folded vertically with respect to said blank, alternate rectangular spacing portions parallel to said longitudinal side strips, a plurality of gusset portions separated by said spacing portions, each gusset portion being scored to form a fold line parallel with and intermediate the edges of the spacing portions adjacent thereto and separating each said gusset portion into two panels of unequal width, spaced U-shaped cuts extending from each of said fold lines into the panel of less width of said two panels with their legs terminating on said fold lines, said gusset portions being adapted to be folded along the fold lines to extend upwardly from the plane of said spacing members and to be parted along the cuts to provide a plurality of tabs extending upwardly from the upper edge of said gussets, said gusset portions and the floor of said box forming acute triangular sections generally inclined with respect to the floor of the box whereby the front face of one gusset and its plurality of tabs is substantially parallel with the rear face of the adjacent gusset and tabs, end tabs extending from those spacing portions not adjacent said longitudinal side strips adapted to be folded vertically with respect to said spacing portions, end tabs on said longitudinal side strips which are adapted to be folded inwardly when said side strips have been folded vertically to form a corner and to be secured to the vertically folded end tab extending from the adjacent spaced spacing portion.

2,459,566
PENETRATING AQUEOUS SULFUR COMPOSITION FOR THE TREATMENT OF SKIN DISORDERS SUCH AS ACNE
Slaughter Warren Lee, Princeton, N. J., assignor to Wallace Laboratories, Inc., New Brunswick, N. J., a corporation of Delaware
No Drawing. Application June 12, 1946, Serial No. 676,359
1 Claim. (Cl. 167—58)

An aqueous therapeutic solution for the treatment of acne and other skin disorders and containing sulfur in an active therapeutic form, comprising the following ingredients in amounts ranging 25% below and above the following optimum amounts:

	Parts by weight
Sulfur	0.75
Sodium alkyl benzene sulfonate	11.00
Antipyrine	5.40
Triethanolamine	10.00
Propylene glycol	56.00
Water	16.85

2,459,567
POSITIVE COLUMN LAMP
Eugene Lemmers, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 21, 1946, Serial No. 717,719
4 Claims. (Cl. 176—122)

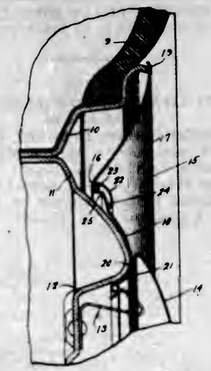


1. A positive column gaseous electric discharge lamp comprising a sealed tubular envelope the walls of which define the discharge path, an ionizable gaseous atmosphere in said envelope at a pressure of a few millimeters of mercury, an anode having a work function not materially lower than that of carbon and an activated thermionic cathode at opposite ends of said envelope, a plurality of lead-in conductors hermetically sealed through the end of said envelope adjacent said anode, one of said conductors extending to said anode and another of said conductors extending the length of the positive column to said cathode, said last mentioned cathode conductor being of bare metal exposed to the positive column, the lamp being proportioned to have a voltage gradient below a limiting value at which the anode and lead-in conductors would conduct an appreciable amount of current as a cathode.

2,459,568
METHOD OF MAKING WHEEL BALANCING WEIGHTS
George Albert Lyon, Allenhurst, N. J.
Application April 10, 1944, Serial No. 530,357
2 Claims. (Cl. 29—148)

2. The method of making wheel balancing weights adapted to be assembled with a wheel structure including an angularly shouldered annular retainer opposing in weight-receiving spaced relation an annular axially extending flange on the wheel structure so as to receive a wheel balancing weight wedged therebetween, which comprises the steps of forming soft metal into a strip of substantial length and of such rounded cross-sectional shape as to facilitate wedging assembly thereof laterally between the retaining shoulder and opposing wheel flange, bending the strip into substantially flat-lying open spiral form on a radius substantially the same as the annular flange and retaining shoulder, forming a groove longitudinally on the inner side of the strip for interlockingly engaging the retainer shoulder, and providing the strip with scorings partially severing it into individual weights adapted to be separated from the strip.

2,459,569
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application November 24, 1944, Serial No. 564,972
6 Claims. (Cl. 301—37)

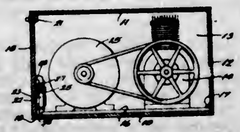


1. A cover for a wheel structure including a tire rim and a load supporting body part defining a relatively deep outwardly opening groove therebetween, a cover member comprising integral rim concealing and body concealing portions divergingly related with the annular junction thereof arranged to extend rearwardly into said groove, one of said portions having an annular shoulder protruding outwardly adjacent to said juncture, and a reinforcing ring member having inturned engagement edge means in pressed-on engagement with the juncture side of said shoulder.

2,459,570
METHOD OF REFINING SULFATE TURPENTINE
George H. McGregor, International Falls, Minn., assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn.
No Drawing. Application June 27, 1947, Serial No. 757,679
5 Claims. (Cl. 92—2)

2. A method of refining crude sulphate turpentine to obtain commercially usable turpentine which comprises, extracting from said crude sulphate turpentine odor producing compounds with an aqueous solution containing sodium hydroxide, sodium carbonate and sodium sulfide.

2,459,571
CABINET WITH DEVICE FOR LOCKING AN INSTRUMENT BASE
Emery Mihalek and Charles Sxyper, Chicago, Ill., assignors to O. D. Jennings & Company, Chicago, Ill., a corporation of Illinois
Application August 23, 1945, Serial No. 612,242
8 Claims. (Cl. 312—186)



3. In a cabinet, walls forming a cabinet structure adapted to contain a unit and having an

opening therein, a closure to fit into the opening, a latch in the cabinet adjacent the opening to engage the unit and hold it in the cabinet, and

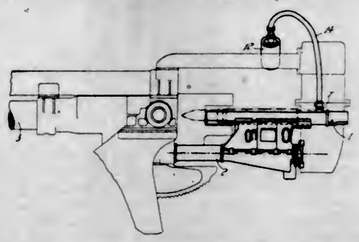
tric with and engaging said boss to prevent movement of the clip lengthwise of the hand piece, and resilient tangs engaging over the said out-

disposed within the well, said holder comprising a matte, having a view opening of less area than the well, a stiff back and means uniting the back

contact electrode and a movable electrode spaced apart in said envelope for a glow discharge therebetween, said movable electrode comprising a movable contact, a slide member carrying said

opening therein, a closure to fit into the opening, a latch in the cabinet adjacent the opening to engage the unit and hold it in the cabinet, and a pivoted operating member for the latch having an end portion formed to project into the opening to prevent insertion of the cover therein when the operating member is in latch releasing position.

2,459,572
BREECH-LOADING MECHANISM FOR ORDNANCE
Desmond Walter Molins, Deptford, London S. E. 8, England, assignor to Molins Machine Company Limited, London, England
Application March 13, 1943, Serial No. 479,119
In Great Britain August 20, 1941
4 Claims. (Cl. 89—47)



1. Breech loading mechanism for ordnance of the kind described comprising a loading tray movable between a loading position and a ramming position relative to a gun, a guide track on the loading tray, a carriage arranged to reciprocate along said guide track and adapted to act as a ram to propel a cartridge or shell into the breech on the forward stroke, an electric motor for driving said carriage mounted at a position remote from said loading tray and relative to which the loading tray can move, means for energizing the motor throughout the ramming stroke of said carriage and for automatically de-energizing the motor only after the carriage has completely rammed the cartridge or shell into the breech, and a mechanical coupling between the motor and the carriage, said coupling including a resilient torsional drive means so constructed and operatively connected to the motor and carriage as to reduce the shock on the motor and other parts when the carriage is abruptly brought to a stop at the end of a rapid ramming stroke.

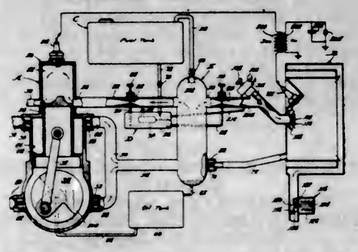
2,459,573
DENTAL DRILL SPRAY
Harry R. Morrow, Chicago, Ill.
Application November 25, 1946, Serial No. 712,098
2 Claims. (Cl. 32—28)

1. In combination with the hand piece of a dental drilling apparatus, the end portion of which includes a tool retaining chuck formed with outwardly bulging side walls and having a circular boss on the under side which surrounds a drill receiving opening, of a spray device for removable attachment to the hand piece including a resilient clip having a portion arranged concentric with and engaging said boss to prevent movement of the clip lengthwise of the hand piece, and resilient tangs engaging over the said outwardly bulged side walls.

2,459,574
FLAVORING MATERIALS
Wendell W. Meyer, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application May 19, 1947, Serial No. 749,087
2 Claims. (Cl. 99—145)

1. In the production of chemically prepared soy sauce-type condiment which comprises providing a base of unfermented chemically prepared liquid flavoring material, providing a sugar-containing solution and adding thereto protein hydrolytic products to the extent of 0.1 to 5 per cent based on the sugar solids, fermenting said solution until it develops an aroma and flavor compatible with said base material, and adding to said base material a relatively small proportion of said fermented solution, whereby the aroma and flavor of the condiment are improved.

2,459,575
HEATING DEVICE
George E. Neumann, St. Clair Shores, and Eugene F. Farrell, Grosse Pointe Woods, Mich., assignors to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application November 5, 1943, Serial No. 509,076
6 Claims. (Cl. 237—12.1)



3. In a portable self-powered heating device comprising a heat exchanger adapted to heat ambient air and defining a combustion chamber, the combination of a prime mover, means furnishing fuel to both the prime mover and the chamber, independent air fuel ratio control means for the prime mover and the chamber, said prime mover serving as an air compressor means conducting the air under pressure to both the prime mover and the chamber for operating the same, and means comprising a cooling fan for said engine blowing air to be heated by said heat exchanger over the heat radiating surfaces of said heat exchanger, whereby the heat from the engine is contributed to the heat from the chamber in warming the said air traversing said heat exchanger.

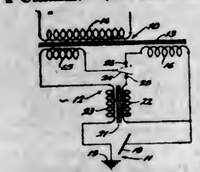
2,459,576
PICTURE MOUNT
Gordon E. Nichols, Middleboro, Mass., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass., a corporation of Massachusetts
Application November 30, 1946, Serial No. 713,197
10 Claims. (Cl. 40—152)

1. A picture mount comprising a frame member having therein a well and a picture holder

disposed within the well, said holder comprising a matte, having a view opening of less area than the well, a stiff back and means uniting the back and matte at their lateral edges, the matte and back being separable at their lower edges to provide a slot for the admission of a picture

between them, and attaching means uniting the holder to the frame, the attaching means being so constructed and arranged that the lower part of the holder may be sprung rearwardly out of the well to expose the slot for the admission of a picture.

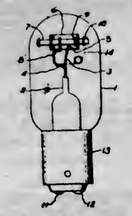
2,459,577
WELDING APPARATUS
Clayton P. Nielsen, Chicago, Ill., assignor to Mid-States Equipment Corporation, a corporation of Illinois
Application May 15, 1947, Serial No. 748,236
4 Claims. (Cl. 315—277)



1. A control system for a welding apparatus having transformer means with first and second secondaries for supplying voltage and current to the welding arc gap, comprising a relay having switch means and a pair of energizing coils, electrical connections for connecting the first transformer secondary, the switch means and the pair of energizing coils in series across the welding arc gap to apply a relatively low voltage to the welding arc gap when the welding arc is extinguished, to maintain the relay deenergized when the welding arc is extinguished and to energize the relay when the welding arc gap is closed for establishing the welding arc, and electrical connections for connecting both the first and second transformer secondaries, the switch means and one of the energizing coils in series across the welding arc gap to supply a relatively large current to the welding arc gap when the welding arc is established and to maintain the relay energized when the welding arc is established.

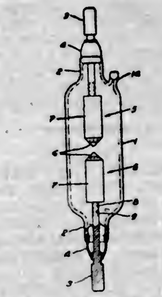
2,459,578
GLOW SWITCH
Sidney Howard Noble, Harrow Weald, England, assignor to General Electric Company, a corporation of New York
Application May 1, 1947, Serial No. 745,329
In Great Britain May 13, 1946
5 Claims. (Cl. 200—113.5)

2. A glow starter switch comprising a sealed envelope containing an ionizable medium, a fixed contact electrode and a movable electrode spaced apart in said envelope for a glow discharge therebetween, said movable electrode comprising a movable contact, a slide member carrying said movable contact and mounted for reciprocable



movement to carry said movable contact into and out of engagement with said fixed contact electrode, and a bimetallic member connected by a lost motion coupling to said slide member and arranged to be heated by the glow discharge to effect actuation of said slide member.

2,459,579
ELECTRODE STRUCTURE
Edward B. Noel, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application August 6, 1947, Serial No. 766,560
2 Claims. (Cl. 250—27.5)



1. An electrode construction for an electric discharge device comprising a metallic body member supported by a lead-in conductor and having a truncated tapered end aligned with the discharge path of said device, a recess in said end, and a metallic arc supporting element comprising refractory metal and alkaline earth metal seated in said recess and having a tapered tip extending therefrom and forming with said end a tapered electrode face for supporting an arc discharge at the apex of said element.

2,459,580
ANIMAL TRAP
Olof H. Oleen, St. Helens, Oreg.
Application August 20, 1946, Serial No. 691,714
1 Claim. (Cl. 43—85)

A rodent trap comprising a pair of side arms, a spring connecting said arms together at one end thereof and tending to spread said arms apart, a pair of arcuate rigid jaws on the other ends of said arms extending laterally therefrom in opposed oppositely curving relation and in substantially right angular relation thereto for movement toward each other by spreading of

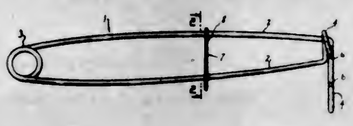
said side arms to clampingly engage a rodent passing between the same, said jaws being crossed for interlapping relation to limit spreading movement of said side arms, and a latch arm swing-

2,459,583
COMBUSTION APPARATUS
Gustave C. Peter, Wauwatosa, Wis.
Application June 29, 1944, Serial No. 542,709

ink past the same upon downward movement thereof, a stylus attached to and depending from the valve head and projecting through the central opening of the barrel, a piston rod attached to the piston body and extending toward the up-

retaining-ring having a plurality of approximately radial diffuser-type ventilating-openings

said side arms to clampingly engage a rodent passing between the same, said jaws being crossed for interlapping relation to limit spreading movement of said side arms, and a latch arm swingable on one side arm across the other side arm with a terminal hook for engaging over said

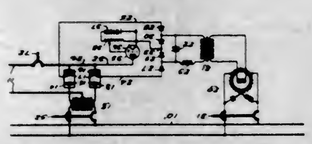


other side arm to prevent said side arms from spreading apart, said latch arm being swingable into releasing position and being provided with a right angled latch swinging arm on said hook for contact by the rodent while the rodent is between said jaws.

2,459,581
RESINOUS MIXED ESTERS CONTAINING A PENTAERYTHRITOL
Frank G. Oswald, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 20, 1944, Serial No. 569,109
14 Claims. (Cl. 260—26)

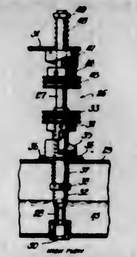
1. A stable, oil-soluble, resinous mixed ester of a pentaerythritol esterified with only a rosin acid and sebacic acid, said rosin acid being combined with all except from 0.1 to 2 of the hydroxyl groups presented by the pentaerythritol and the sebacic acid being combined with 50% to 100% of the remaining hydroxyl groups.

2,459,582
VAPOR ELECTRIC DEVICE
William E. Pakala, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 735,991
19 Claims. (Cl. 315—201)



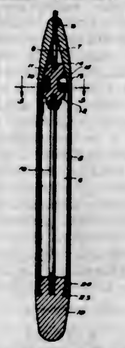
1. In an electric current translating system, for transferring electric energy between two dissimilar electric circuits, having at least a pair of alternately conducting electric valves, a control system comprising a capacitor, circuits for charging said capacitor alternately in opposite polarity, an exciting electrode in each of said valves, a discharge circuit connecting said exciting electrodes to opposite terminals of said capacitor, a common connection between said exciting electrodes, polarity responsive circuit means connected to both terminals of said capacitor, a return circuit from said common connection to an intermediate point of said polarity responsive circuit means, a controlled electric valve in said return circuit and a polarity selective device connected in series circuit relation between each of said exciting electrodes and said capacitor.

2,459,583
COMBUSTION APPARATUS
Gustave C. Peter, Wauwatosa, Wis.
Application June 29, 1944, Serial No. 542,709
4 Claims. (Cl. 251—34)



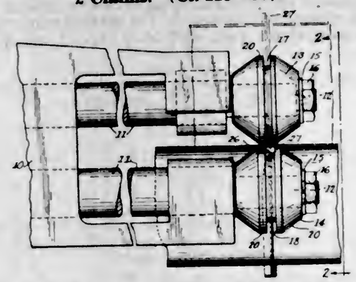
1. A fuel flow control valve adapted to be connected to a float valve container for use with a combustion apparatus of the type that employs a fuel vaporizer having means to regulate the amount of air flowing upwardly therethrough, which comprises a valve member adapted to be mounted in a wall of said container and to extend therethrough to an opposite wall having a fuel outlet therein, said valve member having an opening in one end communicating with said outlet, a flow control member slidably mounted upon said valve member and adapted to extend from within said container through said first named wall and to regulate the area of the opening in said valve member, and means connected to said control member disposed exteriorly of said first named wall to actuate said control member with respect to the opening in said valve member selectively to vary the amount of fuel permitted to flow through said opening to provide high and low fire operation of said apparatus.

2,459,584
FOUNTAIN PEN
Herbert Q. Quan, Los Angeles, Calif.
Application February 1, 1945, Serial No. 575,609
6 Claims. (Cl. 120—47)



1. A fountain pen including a hollow barrel having a central opening and an internal valve seat at its lower end, a valved barrel-refilling piston movable in the barrel and including a body having a bottom valve head arranged to cooperate with said valve seat to control the flow of ink from the barrel, said valved piston being constructed to draw ink into the barrel upon upward movement thereof and to permit passage of ink past the same upon downward movement thereof, a stylus attached to and depending from the valve head and projecting through the central opening of the barrel, a piston rod attached to the piston body and extending toward the upper end of the barrel, and means operable from the upper end of the barrel to actuate the piston rod for longitudinally adjusting or reciprocating the valved piston.

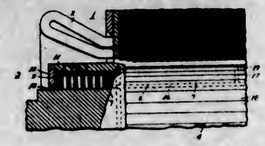
2,459,585
ROTARY DIES
Liddell G. Robinson, Corcoran, Calif.
Application February 7, 1945, Serial No. 576,593
2 Claims. (Cl. 113—37)



1. In a die device for crimping an outwardly angulated flange on one pipe section into gripping engagement with an outwardly extending flange of less diameter on a second pipe section, a pair of rotary female dies beveled toward both their axial ends, cylindrical peripheral portions located between the beveled portions, and grooved rectangular recesses extending into said cylindrical portions at approximately the mid-line of said cylindrical portions, the cylindrical portions on one die providing an anvil for work extending into the grooved recess of the other die, the grooved recess of one die being wider than that of the other die, means for rotatably supporting said dies in cooperative positions opposite each other with the anvil surfaces of one die overlapping the anvil surfaces of the other die, whereby the wider grooved recess die may be used with the other die as an anvil for making a preliminary heavy joint in heavy gauge work and the narrower grooved recess die is then used with the first die as an anvil for making the final tight joint, and in light gauge work, only the narrower grooved recess die is used with the first die as an anvil for making the complete tight joint.

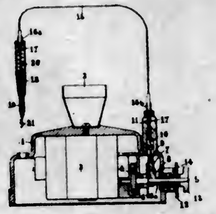
2,459,586
ROTOR VENTILATION FOR TURBOGENERATORS
Malcolm D. Ross, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 13, 1947, Serial No. 747,683
2 Claims. (Cl. 171—252)

1. A turbogenerator having a rotor comprising a slotted rotor-core having rotor-teeth between the rotor-slots, a concentric field-winding having coil-sides in the rotor-slots and having end-turns extending beyond each end of the rotor-core, a retaining-ring surrounding the end-turns at each end of the rotor, and an end-plate at the end of each retaining-ring, each end-plate having a centrally disposed gas-inlet opening for the admission of a gaseous ventilating-medium, and each retaining-ring having a plurality of approximately radial diffuser-type ventilating-openings



therethrough, being of widening diameters as the gaseous ventilating-medium passes out through said ventilating-openings in the retaining-rings.

2,459,587
STOCKING MENDING MACHINE
Méropée Sagnier, Paris, France
Application November 28, 1945, Serial No. 631,340
In France May 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 21, 1963
3 Claims. (Cl. 66—1.5)



1. A machine for mending hosiery articles comprising a casing, a driving mechanism within said casing, a needle-carrying sleeve, a needle assembly slidably received in said sleeve, flexible connecting means between said needle and the driving mechanism and a drum stretcher secured on said casing and serving to support the article to be mended.

2,459,588
CIRCUIT INTERRUPTER
Jerome Sandin, Pittsburgh, Joseph K. Kraft, Wilkinsburg, and Herbert L. Rawlins, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 30, 1944, Serial No. 528,674
25 Claims. (Cl. 200—88)

1. In a multi-pole circuit breaker, relatively movable contacts for each pole, an operating

mechanism for said contacts, a trip bar common to at least two of the poles, said trip bar being operable to cause a circuit opening operation of said mechanism, electroresponsive means for each pole operable in response to predetermined

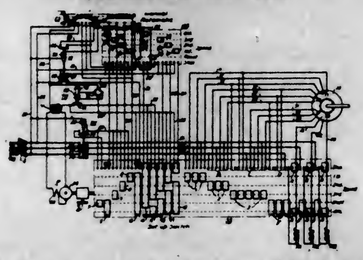
eral gores being cut so that both its warp and weft threads lie at an appreciable bias to the longitudinal center line of the gore, and stitched into the garment with the gores correspondingly

of its fulcrum point; a scraper blade mounted between the blade lever portions; a ground engaging wheel mounted on the forward extremity of each wheel portion; a spring lever extending upwardly from each rocking lever; a connecting rod extending forwardly from each spring lever;

from the cathode during the peak portion only of a half-cycle of the field within said other resonator in which it is of a polarity to add energy to the electrons, the strengths of said fields moving said liberated electrons toward said anode with a speed causing them to pass through said one reso-

mechanism for said contacts, a trip bar common to at least two of the poles, said trip bar being operable to cause a circuit opening operation of said mechanism, electroresponsive means for each pole operable in response to predetermined circuit conditions in the corresponding pole to operate said trip bar, and a single time delay device actuated by said trip bar to prevent tripping operation of said trip bar in response to sudden shocks and to inversely retard tripping operation of said trip bar by said electroresponsive means in accordance with the magnitude of an overload occurring in any pole of the breaker.

2,459,589
CONTROL SYSTEM FOR MULTISPEED ALTERNATING-CURRENT MOTORS
Walter Schaelchlin and Amos J. Winchester, Jr., Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,798
8 Claims. (Cl. 318—552)



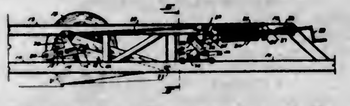
1. A motor control system comprising a multispeed alternating-current motor having a plurality of terminal groups for operating with different numbers of field poles at different respective speeds depending upon which terminal group is energized at a time, line terminals for supplying alternating current, an electromagnetic contactor having a coil circuit and having contacts controlled by said coil circuit and disposed between said line terminals and said terminal groups, a setup switch adjustable to a plurality of positions and having a plurality of contact means arranged for sequential operation and disposed between said contactor contacts and said terminal groups for connecting said contacts to one of said groups at a time depending upon the selected position of said setup switch, said setup switch having other contact means connected with said coil circuit for temporarily opening said contactor contacts during moving intervals of said setup switch from one to another position so that the interruption of the load current supplied from said line terminal to said motor occurs at said contactor contacts.

2,459,590
SLIP
Herman C. Seldin, St. Louis County, Mo., assignor to Sel-Mor Garment Co. Inc., St. Louis, Mo., a corporation of Missouri
Application February 7, 1945, Serial No. 576,519
1 Claim. (Cl. 2—73)

As an article of women's wear, a slip including a skirt portion comprised of eight gores of substantially uniform size and shape, each of which is stitched to the adjacent gores, each gore being of increasing width from its upper margin downwardly and gradually toward its lower margin so that, in assembly, the skirt portion is characterized by a pronounced flare, each of the several gores being cut so that both its warp and weft threads lie at an appreciable bias to the longitudinal center line of the gore, and stitched into the garment with the gores correspondingly biased and each gore characterized by an upper margin which is approximately rectilinear, and the gores being stitched together so as to result in a substantially horizontal waist line approximately coincident with the waist line of the wearer; a midriff or bandeau just above the skirt portion, the lower margin of the midriff being stitched to the upper margins of the several front gores along the substantially straight waistline of the garment, the upper margin of the frontal section of the midriff being cut along arcuate lines intersecting centrally of the front of the garment, and each concavely presented below one of the bust regions of the wearer, the midriff being biascut so that its warp and weft threads lie at an

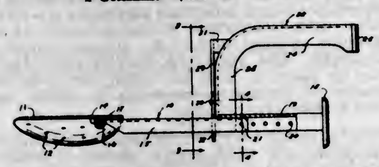
acute angle to the horizontal and with the threads thereof at a substantial angle to the corresponding threads of the front gores of the skirt portion, hence being biased oppositely thereto; a brassière portion, the frontal part of which is comprised of a pair of bust-receiving pockets each formed of a doubled fabric, each pocket having a lower margin conforming to and being stitched along one of the said arcuate lines of the midriff portion, a connection between the pockets at their uppermost point of juncture; a single back panel above the rear gores of the skirt portion, joined thereto by a substantially horizontal rear waistline seam, the back panel being characterized by upwardly extended strap points and the back panel joined to both the midriff and brassière portion by side seams, and supporting shoulder straps connected at the rear to the points of the back panel and at the front of the garment to the bust pockets.

2,459,591
LAND LEVELING MACHINE
Lawrence E. Shumaker and Harold G. Davis, Denver, Colo., assignors to Eversman Mfg. Co., Denver, Colo.
Application February 14, 1947, Serial No. 728,648
4 Claims. (Cl. 37—146)



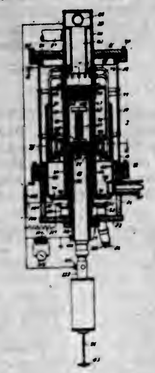
1. In a land leveling machine of the type having an elongated, rigid, horizontal frame with means for supporting the frame above the ground, at its front and rear extremities means for leveling the ground between the front and rear supports comprising: a rocking lever rotatively mounted at each side of said frame and having a wheel lever portion extending forwardly and a blade lever portion extending rearwardly

of its fulcrum point; a scraper blade mounted between the blade lever portions; a ground engaging wheel mounted on the forward extremity of each wheel portion; a spring lever extending upwardly from each rocking lever; a connecting rod extending forwardly from each spring lever; cam levers pivoted to and extending upwardly from said frame forwardly of said wheels to a hinged connection with said connecting rods; a roller riding on the rearward face of each cam lever; swinging levers extending forwardly and downwardly from each roller to a hinged connection on said frame; and spring means urging said swinging levers forwardly to cause said rollers to travel upwardly along said cam levers to force said wheels against the ground.

2,459,592
SHOE TREE
Robert H. Slavin, Dayton, Ohio
Application July 29, 1946, Serial No. 686,994
4 Claims. (Cl. 12—128.6)

1. A shoe tree of the kind described, comprising a toe member, a heel member, a rearwardly extending U-shaped toe member supporting bar pivotally connected to said toe member, a forwardly extending U-shaped heel member supporting bar fixed to said heel member, said toe member supporting bar telescopingly engaging said heel member supporting bar, means pivotally connecting said bars together at selected positions along the length thereof, an L-shaped handle fixed to the forward end of said heel supporting member extending upwardly and rearwardly therefrom, a transversely rockable bar locking member rockably carried by said handle for locking said bars against pivoting movement in aligned position and means fixed to the rear end of said handle for attaching said shoe tree to a wall bracket.

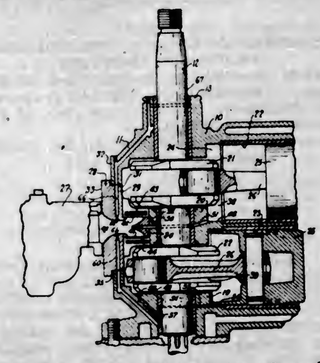
2,459,593
FEED-BACK SYSTEM FOR ELECTRONIC TUBES COMPRISING HOLLOW BODY RESONATORS
David H. Sloan, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 17, 1944, Serial No. 526,882
2 Claims. (Cl. 315—6)

1. An electronic tube apparatus comprising a pair of hollow body resonators adapted to have electromagnetic field oscillations established therein, an anode mounted within one of said resonators, a cathode mounted within the other of said resonators, said pair of resonators being adjacent each other with openings therein between said anode and cathode permitting a flow of electrons from said cathode to said anode, a control grid between said cathode and anode, circuit means connected to said anode and cathode for establishing a direct current potential field therebetween tending to liberate electrons from said cathode and move them toward the anode, additional circuit means connected to said grid and cathode for establishing a direct current potential field permitting electrons to be liberated from the cathode during the peak portion only of a half-cycle of the field within said other resonator in which it is of a polarity to add energy to the electrons, the strengths of said fields moving said liberated electrons toward said anode with a speed causing them to pass through said one resonator to said anode while the field therein opposes their motion and absorbs energy therefrom, and a feed-back coupling between said resonators for supplying energy from said one resonator to said



other resonator to maintain the field therein at substantially the same frequency but displaced in phase relative to the field of the second resonator, said coupling comprising a conductor connected at one end to said cathode and extending into said one resonator with the other end thereof adjacent to, but spaced from, said anode to form a capacity connected between said anode and cathode, and tuning means connected to one of said resonators for adjusting the resonant frequency thereof whereby the amount of said phase displacement may be adjusted.

2,459,594
MANIFOLD FOR TWO-CYCLE CRANKCASE COMPRESSION ENGINES
Jay W. Smith, Algonac, Mich., assignor to Chris-Craft Corporation, Algonac, Mich., a corporation of Delaware
Application January 2, 1946, Serial No. 638,642
9 Claims. (Cl. 123—73)



6. An intake manifold for internal combustion engines, comprising a body attachable to a part

of an internal combustion engine and having a passage therethrough for fuel mixture, a projection extending from the body and having discharge ports at opposite sides respectively communicating with the fuel mixture passage, a deflector carried by the projection between the

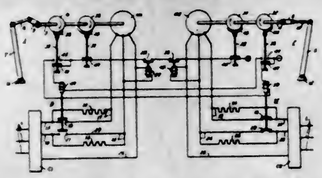
ply-circuit means associated with the second and third input-terminals for causing another impedance to be traversed by the sum of that phase and one of the other phases of the input-current, supply-circuit means associated with the third and fourth input-terminals for causing the third

tially within the orifice beyond the said one ring-shaped contact during the interruption process

2,459,601
INFANT'S COLLAPSIBLE AND PORTABLE CHAIR
John P. Tiritilli and Thomas L. Jones, Chicago, Ill.
Application January 21, 1947, Serial No. 723,406
4 Claims. (Cl. 155—31)

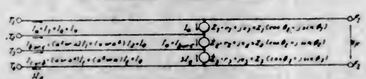
of an internal combustion engine and having a passage therethrough for fuel mixture, a projection extending from the body and having discharge ports at opposite sides respectively communicating with the fuel mixture passage, a deflector carried by the projection between the discharge ports and shaped to direct uniform quantities of fuel mixture to the discharge ports, a passage extending through the deflector for returning raw fuel mixture to said passage, and reed type valve members respectively secured to opposite sides of the projection and having portions normally closing said discharge ports.

2,459,595
BALANCED LOOM OPERATION
Frederick D. Snyder, Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,414
7 Claims. (Cl. 318—74)



7. In an industrial application where a large number of like motors separately operate an equal number of like relatively heavy reciprocatory loads at about the same speed of means for operating the motors in pairs, preferably adjacent or aligned pairs, such that when one load of one motor moves in one horizontal direction the load of the other motor will move in an opposite horizontal direction, in combination, a control circuit, switching means that close said circuit when one load has moved beyond its extreme position in one direction and is returning while the other load has not yet arrived at its opposite extreme position, means, operable by the energization of the control circuit, for decreasing the energy supply for a relatively short time interval of the motor driving the leading load, and means for controlling the length of said time interval as a function of the magnitude of the lead of the leading load.

2,459,596
COMPOSITE SEQUENCE FILTER FOR CURRENT CIRCUITS
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 4, 1947, Serial No. 739,469
4 Claims. (Cl. 171—97)

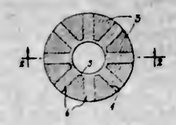


1. A sequence-segregating current-network comprising four input-terminals for a three-phase current and a return-current conductor, respectively, two output-terminals, three separate impedances having substantially no mutual reactance therebetween, supply-circuit means associated with the first and second input-terminals for causing one of said impedances to be traversed by an input-current of one phase, supply-circuit means associated with the second and third input-terminals for causing another impedance to be traversed by the sum of that phase and one of the other phases of the input-current, supply-circuit means associated with the third and fourth input-terminals for causing the third impedance to be traversed by the return-current, and output-circuit means associated with the three impedances for causing the two output-terminals to be supplied with the sum of the voltage-drops in the three impedances.

2,459,597
DI-ALKYLATED MONO-HYDROXY PHENOL
Gordon H. Stillson, Oakmont, and David W. Sawyer, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application May 16, 1945, Serial No. 594,175
2 Claims. (Cl. 260—624)

1. The process of producing 2,6-di-tertiary-butylphenol which comprises alkylating a p-halophenol with isobutylene in the presence of an alkylation catalyst to 2,6 - di - tertiary - butyl-4-halophenol, and removing the halogen therefrom by reaction with an alkali metal in the presence of anhydrous ammonia to obtain said 2,6-di-tertiary-butylphenol.

2,459,598
BEARING
Louis L. Stott, Reading, Pa., assignor to The Polymer Corporation, Reading, Pa., a corporation of Pennsylvania
Application October 5, 1945, Serial No. 620,488
4 Claims. (Cl. 308—238)



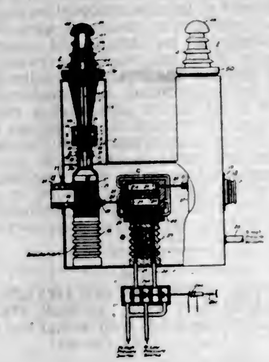
1. A bearing comprising a sleeve provided with radial perforations opening through both the inner and outer surfaces of the sleeve, and integrally molded plastic material infilling said perforations and lining the interior of the sleeve, the said plastic material comprising a synthetic linear condensation polyamide, and the thickness of the bearing lining being from about .008" to about .050".

2,459,599
CIRCUIT INTERRUPTER
Albert P. Strom, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 20, 1944, Serial No. 554,898
8 Claims. (Cl. 200—150)

1. In a circuit interrupter of the fluid blast type, means at least partially of insulating material defining an orifice, a pair of ring-shaped contacts positioned on opposite sides of the orifice at least in the fully open circuit position of the interrupter, means for drawing an arc through the orifice with its terminal ends disposed at the ring-shaped contacts, means for rotating the arc around the ring-shaped contacts while it is positioned within the orifice, means for forcing a blast of fluid through the orifice, and an insulating fluid directing member fixed to one of the ring-shaped contacts and extending at least partially within the orifice beyond the said one ring-shaped contact during the interruption process

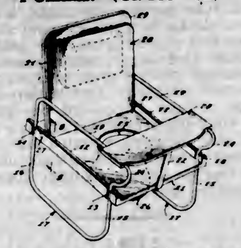
to symmetrically direct the fluid blast on all sides of the last-mentioned contact.

2,459,600
COMPRESSED GAS CIRCUIT INTERRUPTER
Albert P. Strom, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,104
18 Claims. (Cl. 200—148)



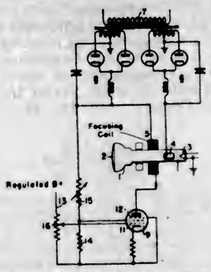
1. In a circuit interrupter of the gas-blast type, means defining a chamber filled with a gas under pressure, means defining an outlet through a wall of the chamber and carrying a stationary orifice-type contact at its inner end, a bushing extending into the chamber carrying a piston chamber at its interior end, a blast valve, a piston movable within the piston chamber and carrying the blast valve, a movable contact cooperable with the orifice-type stationary contact to draw an arc, a lost-motion mechanical connection interconnecting the movable contact and the blast valve, disconnect means disposed within the chamber and serially related to said arcing contacts, piston means for actuating the disconnect means, and independent conduit means extending through the wall of the chamber to transmit gas for actuating the piston means.

2,459,601
INFANT'S COLLAPSIBLE AND PORTABLE CHAIR
John P. Tiritilli and Thomas L. Jones, Chicago, Ill.
Application January 21, 1947, Serial No. 723,406
4 Claims. (Cl. 155—31)



4. A nursery chair comprising a generally rectangular centrally apertured base member formed with raised ribs at its side edges, a flexible moisture proof bag, means detachably securing said bag to the under surface of said base member around the central aperture therein, a closure plate pivotally secured between the rear portions of the ribs and adapted to overlie the aperture, each of the side edges of the base members being formed with a pair of notches defining vertical outwardly facing channels at their lower portions and traversing the ribs at their upper portions, a pair of frame-like side support members made of tubular metal, each side member having a pair of vertical bar portions received in the notches at a side edge of the base member, means pivotally securing said vertical bar portions at their intermediate portions to the ribs for swinging movement therearound, a tray pivotally secured to the top portion of one side member and adapted to interlock with the top portion of the other side member, means for detachably securing said tray in interlocking position, a generally rectangular back support plate pivoted to the rear portions of the ribs rearwardly of and above the pivotal axis of the closure plate, and stop means on the rear upper portions of the side members for limiting rearward swinging of said back support plate.

2,459,602
CIRCUIT FOR STABILIZING FOCUS OF MAGNETICALLY FOCUSED CATHODE-RAY TUBES
Lynn J. Ulman, Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 24, 1946, Serial No. 718,196
3 Claims. (Cl. 315—31)



1. In combination with means for producing an electron beam by means of an accelerating anode,

a focusing magnet for said electron beam, a power supply and means for impressing voltage therefrom on said accelerating anode, means for impressing voltage on said focusing magnet from a current source energized by said power supply

open at its bottom and having open-ended slots in two opposed depending walls to receive a reach of cable therein to thereby bridge the interior space in the housing, said housing having open-ended slots in two opposed depending walls to

2,459,607
REGULATING SYSTEM
Raymond L. Witzke, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,809

and disposed between said ring and the flange of the nut, said metal ring being initially frusto-conical shaped with the outer portion thereof in engagement with the body member and the inner portion of said ring in engagement with the gasket whereby the turning of the nut onto

a focusing magnet for said electron beam, a power supply and means for impressing voltage therefrom on said accelerating anode, means for impressing voltage on said focusing magnet from a current source energized by said power supply in series with said focusing magnet and with an electron tube having an anode, a cathode, a first control electrode adjacent said cathode and a second control electrode between said first control electrode and said anodes, means for impressing voltage derived from said supply on said second control electrode, and means for so adjusting the voltage impressed on said control electrodes that the fractional change in current energizing said focusing magnet due to changes in said power source is substantially one-half the fractional change in the voltage impressed on said accelerating anode.

2,459,603
UNIVERSAL CABLE-CLAMPING DEVICE
Leo L. Verkuil, Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application July 26, 1946, Serial No. 686,480
11 Claims. (Cl. 24—81)

1. A clamping device for clamping a cable and for clamping another part comprising a housing open at its bottom and having open ended slots in two opposed depending walls to receive a reach of cable therein to thereby bridge the interior space in the housing, said housing having aperture means in the top wall, two clamping levers having means pivotally supporting them from the interior of the housing and for biasing them in opposite directions, said lever arms having portions extending upwardly through said aperture means to form finger pieces for manually actuating them from the exterior of said housing and having clamping portions extending downwardly beyond the plane of the bottom of the housing for clamping a part other than said bridging cable reach, and clamping means within the housing and actuatable by said two levers respectively and of an extent to engage and clamp substantially only said bridging cable reach.

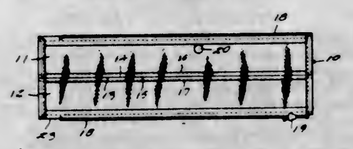
2,459,604
UNIVERSAL CABLE-CLAMPING DEVICE
Leo L. Verkuil, Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn., a corporation of New York
Application July 26, 1946, Serial No. 686,481
15 Claims. (Cl. 41—81)

1. A clamping device for clamping a cable and for clamping another part comprising a housing open at its bottom and having open-ended slots in two opposed depending walls to receive a reach of cable therein to thereby bridge the interior space in the housing, said housing having open-ended slots in two opposed depending walls to receive a finger piece member in each, a clamping unit receivable into the housing through its open bottom end and comprising two pairs of clamping elements of which one pair is of a length to extend beyond said open bottom end and the other pair is of a length to engage a reach of cable bridged through the housing in said first mentioned slots, two finger piece members for said clamping unit for actuating at least one pair of clamping elements and respectively enterable into said second mentioned slots upon entry of said clamping unit into said housing, and mechanical interconnections between said finger pieces and said clamping unit held against disconnection by entry of said finger pieces respectively into said second mentioned slots.

2,459,605
INDUCTION COIL
Elmer Warnken, Colerain Township, Hamilton County, Ohio
Application December 4, 1945, Serial No. 632,676
4 Claims. (Cl. 171—242)

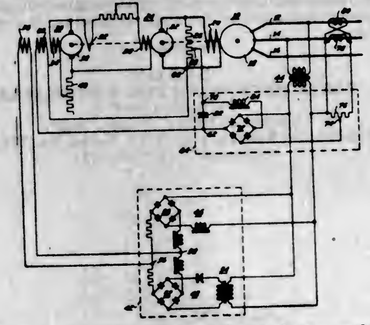
1. As a new article of manufacture, an electric coil devoid of internal supporting form comprising convolutions of insulated wire wound to hollow cylindrical formation, the convolutions thereof being fixed relative to one another by a hardened binding material to render the coil rigid and self-sustaining, notwithstanding the absence of a stationary core, and a cylindrical sleeve of insulating material having an internal diameter closely approximating the inside diameter of the coil, fixed to an end of the coil in axial alignment therewith, the innermost convolutions of the wire being included in the circumference of a coaxial imaginary cylinder which includes the inner surface of the sleeve.

2,459,606
INNER TUBE TESTING DEVICE
Louis Herbert Wink, Leesburg, Fla.
Application November 5, 1945, Serial No. 626,605
2 Claims. (Cl. 73—50)



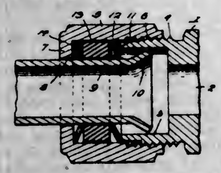
2. A device for testing inner tubes having a valve stem comprising an elongated loosely woven fabric covering having free ends and side edges, correlated inter-engaging fastening elements on the opposite side edges, including a slider therefor, one end of said fastening elements terminating in spaced relation to the adjacent end of said covering whereby said covering may be secured about a tube with the ends of said covering in overlapping relation.

2,459,607
REGULATING SYSTEM
Raymond L. Witzke, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,809
5 Claims. (Cl. 322—24)



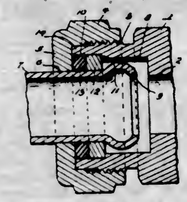
1. In a regulating system for a dynamo-electric machine disposed to supply a load circuit, in combination, an exciter for supplying the field excitation of the dynamo-electric machine, a control field winding for the exciter disposed to be directionally energized, means responsive to a change in condition of the load circuit supplied by the dynamo-electric machine disposed to control the directional energization of the control field winding, means for producing a direct current voltage which is a measure of the watts output of the dynamo-electric machine, means for producing a direct current voltage which is a measure of the voltage across the field winding of the dynamo-electric machine, and means responsive to said first direct current voltage only when said first direct current voltage is in excess of said second direct current voltage to provide excitation of the exciter to maintain the field excitation of the dynamo-electric machine at not less than a predetermined minimum value.

2,459,608
COUPLING FOR TUBES
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1945, Serial No. 572,026
2 Claims. (Cl. 285—122)



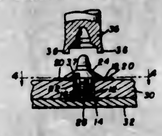
1. A coupling for tubes having an enlarged end comprising a body member, a nut having a threaded engagement therewith, said body member having a counterbore adapted to receive the enlarged end of the tube, said nut having a flange at its outer end spaced away from the end of the body member and forming an annular recess within the nut, an annular metal ring surrounding said tube and disposed between the end of the body member and the flange of the nut, a deformable ring gasket surrounding the tube and disposed between said ring and the flange of the nut, said metal ring being initially frustoconical shaped with the outer portion thereof in engagement with the body member and the inner portion of said ring in engagement with the gasket whereby the turning of the nut onto the body member will cause said ring to flatten into a plane substantially at right angles to the wall of the tube, said ring being dimensioned so as to make gripping contact with the tube when in flattened position and also cause the ring gasket to be deformed into tight sealing contact with the tube.

2,459,609
COUPLING FOR TUBES
John N. Wolfram, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application February 15, 1945, Serial No. 578,076
2 Claims. (Cl. 285—122)



1. A coupling for tubes comprising a body member having a bore therethrough and a counterbore forming a recess to receive the enlarged head on a tube, said body member having a threaded portion on the outer surface thereof, a nut telescoping said body member and having a thread on the interior thereof adapted to cooperate with the thread on the body member, said nut having a flange at its outer end extending inwardly of the threaded portion and having an opening therethrough for the tube, said body member having a second counterbore providing a shoulder at its inner end, a metal ring disposed in the second counterbore and contacting with said shoulder, said ring being dimensioned so as to engage the tube in rear of the enlargement therein for securing the tube to the coupling, and a deformable sealing gasket in said second counterbore between the ring and the flange on the nut, said second counterbore being dimensioned so that the flange on the nut engages the end of the body member when the coupling is closed.

2,459,610
GOLF SHOE SPIKE OR CALK
Arthur F. Zadina, Long Island City, N. Y.
Application May 5, 1947, Serial No. 746,139
10 Claims. (Cl. 36—67.5)



10. A golf shoe spike comprising a stud having an enlargement with slots therein, a first collar engaging the under surface of said enlargement, a substantially rectangular outer sleeve attached to said first collar, a second collar, a substantially rectangular inner sleeve attached to said second collar slidably received within the bore of said

first mentioned outer sleeve, said stud having a threaded shank adjustably received within the bore of said inner sleeve, and a resilient prong integral with said first collar engaging said slots to lock said sleeves and stud in assembled posi-

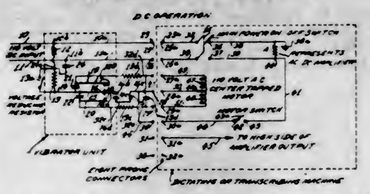
means extending through each bushing, a traverse member within said container movable into and out of bridging relation with respect to said conducting means, valve means disposed in each bushing actuated by said member to permit an

through adjacent portions of said members transversely of the axis thereof to permit angular movement therebetween, a piston reciprocably disposed in one of said knuckle members carrying a thrust member engageable with the other

tions connected in series, an auxiliary primary winding on the stator member physically displaced from the main primary winding and connected in parallel with one section of the main primary winding, a current-responsive relay for controlling the circuit of said auxiliary primary

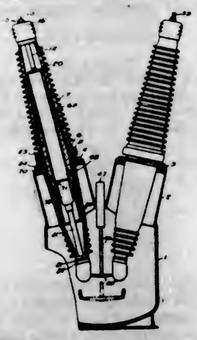
first mentioned outer sleeve, said stud having a threaded shank adjustably received within the bore of said inner sleeve, and a resilient prong integral with said first collar engaging said slots to lock said sleeves and stud in assembled position entirely from one side of the first collar.

2,459,611
INVERTER MOTOR
Arthur Leonard Anderson and Richard C. Burns, New Haven, Conn., assignors to The Soundscriber Corporation, New Haven, Conn., a corporation of Connecticut
Application August 23, 1945, Serial No. 612,276
9 Claims. (Cl. 171—97)



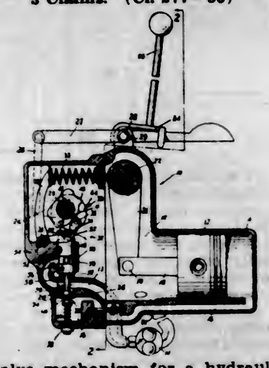
1. In an apparatus for operating an A. C. electric motor with D. C., a stator having a split field comprising four coils located at 90 degree intervals, each pair of opposed coils being connected in a separate series circuit, a center tap connected with both circuits, an inverter-vibrator having a central movable contact tuned to oscillate at 60 cycles per second connected to one terminal of a source of D. C., a pair of outer fixed contacts alternately engaged by said central movable contact and connected to the outer terminals of said separate field coil circuits, resistance means to cut in half the voltage supplied to said separate fields, and means to oscillate said central contact between said fixed contacts whereby the D. C. supply will be converted into alternating current pulses in opposite directions and combined to produce A. C. for operating said motor.

2,459,612
COMPRESSED GAS CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1944, Serial No. 569,349
8 Claims. (Cl. 200—148)



1. In a gas blast circuit interrupter, a container containing gas under pressure, two bushings extending into the container, conducting means extending through each bushing, a traverse member within said container movable into and out of bridging relation with respect to said conducting means, valve means disposed in each bushing actuated by said member to permit an exhausting of gas from the container out through each bushing, and contact means disposed within each bushing opened upon a predetermined rise of pressure as a result of opening the valve means.

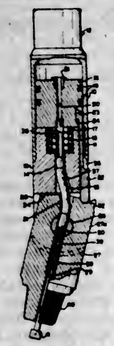
2,459,613
VALVE MECHANISM FOR A HYDRAULIC POWER UNIT
Gerald T. Baker, Neligh, Nebr.
Application February 26, 1947, Serial No. 731,135
3 Claims. (Cl. 277—53)



1. A valve mechanism for a hydraulic power unit including a casing formed with a high pressure fluid passage having a fluid discharge port at its terminal end and a fluid port intermediate its ends, said mechanism including a by-pass valve member co-axial with said intermediate port and reciprocally movable relative to said discharge port to control the flow of high pressure fluid through said discharge port, said by-pass valve being formed with a fluid passage therein having a fluid outlet opening and a fluid inlet opening which is movable into and out of registration with said fluid discharge port, a check valve for controlling the flow of fluid through said intermediate port, means for yieldably holding said check valve in a closed position therefor, and means for operating said check valve and by-pass valve in a complementary relation such that said check valve is opened by said operating means, when said by-pass valve is moved to a first position in which said fluid inlet opening is in registration with said fluid discharge port, and by the pressure of the fluid in said high pressure fluid passage when said by-pass valve is moved to a second position in which said fluid inlet opening is out of registration with said fluid discharge port, with said check valve being closed by said yieldable means on movement of said by-pass valve to a third position, intermediate said first and second positions therefor, in which third position said fluid inlet opening is in partial registration with said discharge port.

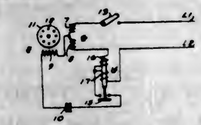
2,459,614
KNUCKLE JOINT
Cicero C. Brown, Houston, Tex.
Application October 13, 1947, Serial No. 779,576
6 Claims. (Cl. 285—93)

1. A knuckle joint, comprising, a pair of axially aligned knuckle members, a pivot pin extending through adjacent portions of said members transversely of the axis thereof to permit angular movement therebetween, a piston reciprocably disposed in one of said knuckle members carrying a thrust member engageable with the other of said knuckle members for rocking the latter about said pivot pin, a fluid conduit having one end rigidly connected to said piston and extending through said knuckle members and said pivot



pin and movable axially of said knuckle members in response to the movements of said piston, said conduit including a flexible section extending across the adjacent ends of said knuckle members, a passageway of restricted cross-sectional area through said piston communicating with said conduit, and means for admitting pressure fluid into the knuckle member containing said piston.

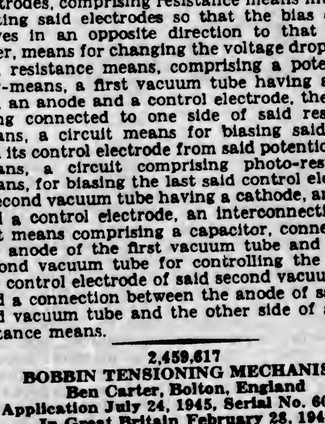
2,459,615
DUAL-VOLTAGE SINGLE-PHASE MOTOR
Lloyd W. Buchanan, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 21, 1946, Serial No. 711,285
8 Claims. (Cl. 318—225)



1. A single-phase induction motor having a stator member and a rotor member, a main primary winding on said stator member, said main primary winding comprising two similar sections adapted to be connected either in series or in parallel for operation on different voltages, an auxiliary primary winding on the stator member physically displaced from the main primary winding and adapted to be connected in parallel with at least one section of the main primary winding, and a current-responsive relay having a contact connected in series with said auxiliary primary winding, said relay having an operating coil divided into two sections, means for connecting one section of said operating coil to carry the same current as one section of the main primary winding, and means for connecting the other section of the operating coil to carry the same current as the other section of the main primary winding.

4. A single-phase induction motor having a stator member and a rotor member, a main primary winding on said stator member, said main primary winding comprising two similar sections connected in series, an auxiliary primary winding on the stator member physically displaced from the main primary winding and connected in parallel with one section of the main primary winding, a current-responsive relay for controlling the circuit of said auxiliary primary winding, said relay having a contact connected in series with the auxiliary winding and having an operating coil divided into two sections, means for connecting one section of said operating coil in series with said one section of the main primary winding, and means for connecting the other section of the operating coil in series with the other section of the main primary winding.

2,459,616
CONTROL APPARATUS FOR INDUCTION HEATING SYSTEMS
Stephen L. Burgwin, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1944, Serial No. 547,050
1 Claim. (Cl. 250—41.5)



Control apparatus of a type described comprising a pair of discharge tubes, each having a control electrode, voltage biasing means for said electrodes, comprising resistance means interconnecting said electrodes so that the bias on one moves in an opposite direction to that of the other, means for changing the voltage drop across said resistance means, comprising a potentiometer-means, a first vacuum tube having a cathode, an anode and a control electrode, the anode being connected to one side of said resistance means, a circuit means for biasing said anode and its control electrode from said potentiometer-means, a circuit comprising photo-responsive means, for biasing the last said control electrode, a second vacuum tube having a cathode, an anode and a control electrode, an interconnecting circuit means comprising a capacitor, connected to the anode of the first vacuum tube and to said second vacuum tube for controlling the bias of the control electrode of said second vacuum tube, and a connection between the anode of said second vacuum tube and the other side of said resistance means.

2,459,617
BOBBIN TENSIONING MECHANISM
Ben Carter, Bolton, England
Application July 24, 1945, Serial No. 606,845
In Great Britain February 28, 1944
9 Claims. (Cl. 242—156)

1. A bobbin carrier for a braiding machine comprising a base, an upright extending from said base, co-axial guide pulleys at the top of said upright, other co-axial guide pulleys slid-

able along said upright, their axis being generally at right angles to the axis of the first-named guide pulleys, means on the base below said upright for removably holding a bobbin, frictional

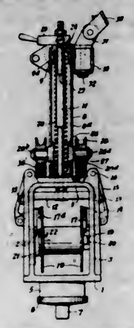
---

2,459,619
COMBINATION CURTAIN, DRAPERY, AND SHADE FIXTURE
Neil Chatterton, Oswego, N. Y., assignor to The

to the length of the latter while advancing the lap section at substantially the same speed in the direction in which the strip material is fed thereto, forming from said lap section and strip

parallel spaced electric fields, unaccompanied by corona discharge, between spaced pairs of electrodes connected to a source of high frequency alternating current, moving said electrodes and the resultant electric fields and advancing the

able along said upright, their axis being generally at right angles to the axis of the first-named guide pulleys, means on the base below said upright for removably holding a bobbin, frictional braking means tending to restrain rotation of



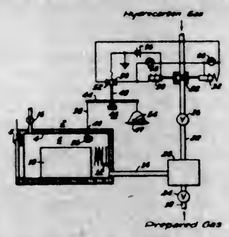
the bobbin, spring means tending to drive the said slidable guide pulleys to the bottom of said upright, an outlet guide in line with one of the slidable guide pulleys and means for releasing the braking means to facilitate removal and insertion of the bobbin.

2,459,618

HEAT-TREATING MEANS UTILIZING CONTROLLED CARBONACEOUS GASEOUS ATMOSPHERES

Harold E. Cartier, White Bear, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 5, 1947, Serial No. 759,274
2 Claims. (Cl. 266—2)



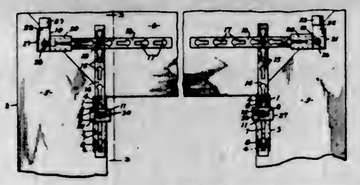
1. Apparatus of a type described comprising, in combination, a furnace having walls defining a treating chamber in which work can be heat-treated while the chamber is permeated by a gaseous atmosphere, an inlet pipe connected to said furnace, a mixing chamber connected to said inlet pipe for feeding a gaseous atmosphere to said inlet pipe, a plurality of gas-pipes to said mixing chamber through which different gases are adapted to be supplied to said mixing chamber, which gases make up the last said gaseous atmosphere, supporting means for supporting a work-sample in said treating chamber, said supporting means comprising a member passing through an opening in a wall of said furnace, weighing mechanism outside the treating chamber and associated with said member of said supporting means for weighing the work-sample, and means comprising a valve operated by changes in said weighing mechanism for changing the flow of gas through one of said gas-pipes, for changing the composition of the last said gaseous atmosphere.

2,459,619

COMBINATION CURTAIN, DRAPERY, AND SHADE FIXTURE

Neil Chatterton, Oswego, N. Y., assignor to The Neil Chatterton Associates, Oswego, N. Y., a copartnership

Application October 18, 1946, Serial No. 704,240
6 Claims. (Cl. 248—252)



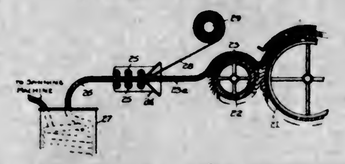
1. A fixture of the class described, comprising an anchor plate having an elongated slot formed therein and terminating at each of its opposite ends in a rearwardly offset enlarged opening for the reception of the head of a headed screw fastening, the body of the screw fastening being free to slide in the slot aforesaid and being flattened on at least two sides to prevent rotation of the screw fastening when disposed in the slot, a bracket having an opening therethrough for receiving the body of the screw fastening, a nut threadedly engaging the body of the screw fastening for clamping the bracket to the anchor plate in selective positions of adjustment lengthwise of the slot, a bar slidably mounted in the anchor plate and having a plurality of longitudinally spaced openings therein selectively registrable with the slot in the anchor plate for receiving the screw fastening, a second bar having a plurality of corresponding longitudinally spaced openings, each of which is selectively registrable with the openings in the first bar, with the second bar disposed transversely of the first bar, a screw fastening engageable through the registered openings of the bars for securing the same together, a second bracket, and another screw fastening selectively engageable with the openings in either bar for attaching the latter bracket thereto.

2,459,620

PROCESS OF MANUFACTURING TEXTILE MATERIALS

Roy Cleeland, Meadowbrook, Louis J. Kelley, Upper Darby, and Walter S. Davis, Roxborough, Pa.

Application February 12, 1946, Serial No. 647,076
2 Claims. (Cl. 28—73)



1. A process of manufacturing a wear resisting fibrous fabric containing fibrous threads bonded firmly together, which process comprises the steps of combining with a lap section obtained by carding spinnable fibers, during condensation of the lap section into a sliver, a curable strip material selected from the group consisting of the vulcanizable natural and synthetic rubbers by feeding said strip material to the lap section parallel

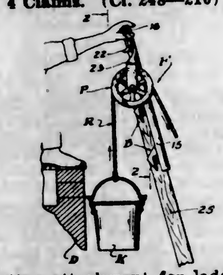
to the length of the latter while advancing the lap section at substantially the same speed in the direction in which the strip material is fed thereto, forming from said lap section and strip material a composite sliver, spinning the composite sliver into a substantially fibrous thread having the curable strip material extending along the longitudinal axis thereof, forming a fabric containing said thread, and curing said fabric under heat and pressure so as to cause a diffusion of portions of the curable strip material through adjacent fiber layers and a bonding together of adjacent threads in the fabric without any substantial impairment of the fibrous nature of the latter.

2,459,621

HOISTING ATTACHMENT FOR LADDERS

Charles L. Cobb, Los Angeles, Calif.

Application June 30, 1945, Serial No. 602,528
4 Claims. (Cl. 248—210)



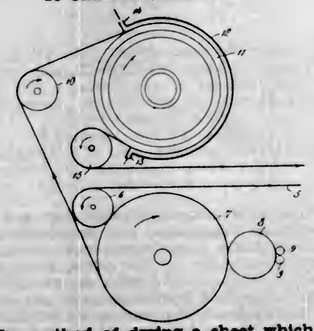
1. A hoisting attachment for ladders, including: a frame of inverted U-form; a plurality of rung-engaging brackets fixed to the parallel portions of said frame for supporting said frame on the upper end of a ladder when it is substantially vertical, and with its bight portion above said upper end; and means on the bight portion of said frame affording means from which a pulley may be suspended between said parallel portions.

2,459,622

METHOD OF AND APPARATUS FOR DRYING SHEET MATERIALS BY HIGH-FREQUENCY ELECTRIC FIELDS

Wallace P. Cohoe, Riverdale-on-Hudson, and Mitchell Wilson, New York, N. Y., assignors to Fred'k H. Levey Co., Inc., New York, N. Y., a corporation of New York

Application March 18, 1944, Serial No. 527,122
15 Claims. (Cl. 219—47)



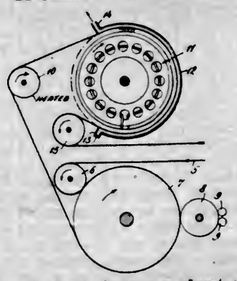
6. The method of drying a sheet which comprises maintaining a plurality of substantially parallel spaced electric fields, unaccompanied by corona discharge, between spaced pairs of electrodes connected to a source of high frequency alternating current, moving said electrodes and the resultant electric fields and advancing the sheet relatively to said electrodes over and in peripheral contact with them at a rate different from that at which the electrodes are moving, whereby the region of greatest intensity of said electric fields is caused to deviate from its normal path directly between said electrodes and to pass through said sheet.

2,459,623

METHOD AND APPARATUS FOR DRYING SHEET MATERIALS

Wallace P. Cohoe and Max R. Saslaw, New York, N. Y., assignors to Fred'k H. Levey Co., Inc., New York, N. Y., a corporation of New York

Application May 5, 1945, Serial No. 592,210
14 Claims. (Cl. 219—47)



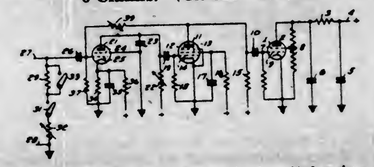
2. The method of drying a sheet which comprises establishing a plurality of parallel, spaced electric fields, unaccompanied by corona discharge, by connecting alternate parallel, spaced electrodes, in succession, to the opposite poles of a source of high frequency, alternating current which are at the same potential with respect to ground, maintaining the sheet in peripheral contact with the corresponding sides of said electrodes causing the region of greatest intensity of said electric fields to deviate from its normal path directly between said electrodes and to pass through said sheet, and causing relative movement between said sheet and said electrodes while the region of greatest intensity of said electric field is passing through said sheet.

2,459,624

CONTROL CIRCUIT

Thomas K. Collins, Jr., Fort Benton, Mont., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 29, 1945, Serial No. 585,564
6 Claims. (Cl. 315—238)



1. In combination, an input circuit having intermittent voltage pulses impressed thereon, an electrical discharge tube having a control electrode connected to said input circuit and having an output circuit, a capacitor in said out-

put circuit, a source of voltage and an impedance serially connected to charge said capacitor, a luminous electrical discharge device having a control circuit, means for impressing a voltage varying with the voltage drop across

ble on occasional supports and comprising pairs of parallel arms rigid with the table and a clamping screw threaded through one arm in each pair.

---

is retracted in the running position of said apparatus, a second loop forming device between the projection gate and the sound detector of said apparatus, said second device comprising a support pivotally secured to said supporting plate, two rollers and an intermediate tension roller

2,459,631

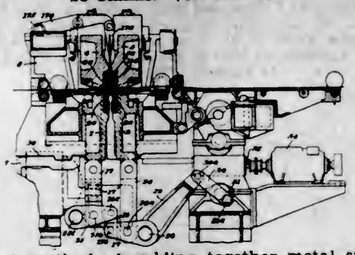
TRAIN-LINE CONTROL SYSTEM

William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 15, 1946, Serial No. 676,869
7 Claims. (Cl. 171—97)

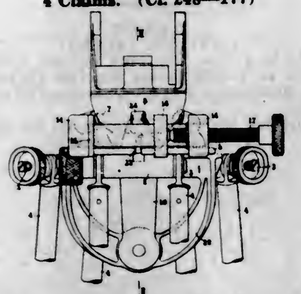
put circuit, a source of voltage and an impedance serially connected to charge said capacitor, a luminous electrical discharge device having a control circuit, means for impressing a voltage varying with the voltage drop across said impedance across said control circuit, and means for feeding back to said input circuit a voltage varying with said voltage drop.

2,459,625
WELDING TOGETHER METAL STRIP ENDS
Warren F. Copp, St. Clairsville, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application November 1, 1946, Serial No. 707,141
28 Claims. (Cl. 219—4)



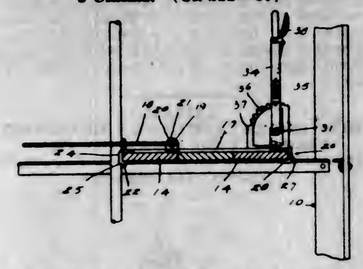
1. A method of welding together metal strip ends comprising disposing metal strip ends in non-parallel but generally coplanar relation with the metal of one strip adjacent the end thereof transversely straight and the metal of the other strip adjacent the end thereof transversely buckled, progressively forming a line flash weld joining the strip ends and before hardening of the weld relatively advancing the strip ends and turning the end of the second mentioned strip relatively to the end of the first mentioned strip to eliminate the buckle in the second mentioned strip and produce a weld which is substantially uniform along the joint.

2,459,626
TRIPOD HEAD WITH A REMOVABLE CAMERA SUPPORT
André Clément Coutant and Jacques Mathot, Paris, France
Application March 8, 1947, Serial No. 733,320
In France March 13, 1946
4 Claims. (Cl. 248—177)



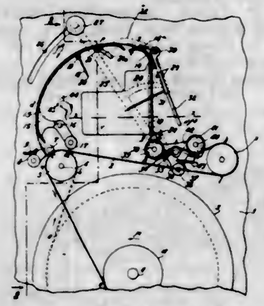
1. The combination of an annular tripod head formed with three peripheral bosses for the hinging of the legs with a circular camera-supporting table adapted to rest removably on said head, means to secure a camera on said table and fastening means adapted to secure said table on occasional supports and comprising pairs of parallel arms rigid with the table and a clamping screw threaded through one arm in each pair.

2,459,627
TUBING RACK
Drexel M. Cox, Tuleta, Tex.
Application June 30, 1947, Serial No. 758,083
3 Claims. (Cl. 211—60)



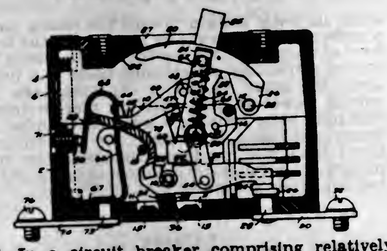
1. A pipe rack comprising a frame, a rod mounted across said frame intermediate the length thereof, pipe supporting rods pivotally mounted on said first rod, a notched member on said frame parallel to and spaced from said first rod, each of said pipe supporting rods engageable in one of said notches in said member in one position and rockable therefrom to an opposite position, a fixed clamping jaw on said frame, a movable clamping jaw carried by said frame coacting with said fixed jaw for clampingly securing said frame on a support therefor, and means rockably carried by said frame for moving said movable jaw.

2,459,628
CINEMATOGRAPH PROJECTION AND SOUND-REPRODUCING APPARATUS
Julien Antoine Descombes, Paris, France, assignor to Societe d'Etudes et de Realisation des Brevets Descombes, Paris, France
Application January 15, 1947, Serial No. 722,256
In France May 22, 1946
3 Claims. (Cl. 88—16.2)



1. In a kinematograph projection and sound reproduction apparatus, the combination of a supporting plate, a projection gate located in a plane perpendicular to said plate, a retractable presser in front of said gate, an arcuate guide located before said projection gate and enabling in its operative position and by its external convex surface a large loop to be formed in the film, said loop being floating when said arcuate guide is retracted in the running position of said apparatus, a second loop forming device between the projection gate and the sound detector of said apparatus, said second device comprising a support pivotally secured to said supporting plate, two rollers and an intermediate tension roller mounted on said support, one of said two rollers forming in the film a loop which remains floating in the retracted position of said roller, the other roller forming a presser against said sound detector, and a rocking lever pivotally mounted on said plate and provided with fingers forming movable abutments for actuating said arcuate guide, said second loop forming device and said presser in such a sequence that said presser is removed from said gate after the arcuate guide and the second loop forming device have been placed in their operative positions and returned to said gate to hold said film stationary in its position before said arcuate guide and said second loop forming device are retracted.

2,459,629
CIRCUIT BREAKER
Hiller D. Dorfman, Pittsburgh, and Gerald J. Freese, East McKeesport, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1945, Serial No. 610,104
10 Claims. (Cl. 200—116)

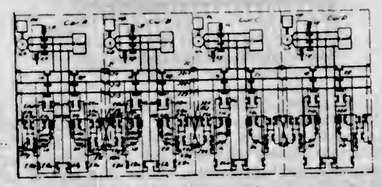


1. In a circuit breaker comprising relatively movable contacts and releasable operating mechanism for said contacts, a U-shaped bimetal element having legs of unequal length normally restraining said operating mechanism against movement, said bimetal element having one leg rigidly secured to a fixed member, and a fixed abutment cooperating with the other leg of said bimetal element to prevent movement of said bimetal in releasing direction in response to sudden shocks or jarring forces.

2,459,630
RECTIFIER
Charles S. Duncan, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 29, 1945, Serial No. 625,452
4 Claims. (Cl. 175—366)

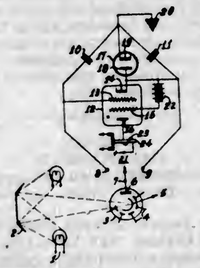
1. The method of heat treating oxidized copper units exhibiting unilateral conductivity which comprises reducing their temperature from that of oxidation to that at the end of the annealing during a period of about 3 hours, dropping to the neighborhood of 450° C. in a period in the order of 21 minutes, then dropping to a temperature in the neighborhood of 400° C. in a period in the order of 13 minutes, then dropping to about 350° C. in about one hour and 40 minutes, and remaining at the last mentioned temperature until the expiration of the three hour period whereupon the units are reduced rapidly to room temperature.

2,459,631
TRAIN-LINE CONTROL SYSTEM
William F. Eames, Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1946, Serial No. 676,869
7 Claims. (Cl. 171—97)



3. In a train-line control system, in combination, a plurality of cars, a generator on each car, means for driving the generators, a load circuit for each car, switching means for connecting each generator to its load circuit, means responsive to the generator voltage for controlling the operation of said switching means, a plurality of train-line conductors on each car, jumpers interconnecting the conductors on adjacent cars, additional switching means for connecting the load circuit for each car to the train-line conductors, relay means responsive to the generator voltage for so controlling the operation of said additional switching means that the load circuit on a car is connected to the generator on one of the adjacent cars through said conductors and said jumpers upon failure of the generator voltage on said car, and interlocking means on the additional switching means cooperating with said relay means in controlling the operation of said additional switching means to prevent a generator from supplying power to more than two cars at a time, said additional switching means being actuated by power received through said train-line conductors.

2,459,632
COMPARISON CONTROL SYSTEM
Ralph W. Engstrom, East Petersburg, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 26, 1947, Serial No. 794,006
14 Claims. (Cl. 250—41.5)



1. A comparison system comprising in combination a plurality of symmetrically arranged electrical storage devices, an energy translating device sequentially energizing each of said storage devices, and an electro-responsive device connected between said symmetrical arrangement of electrical storage devices.

2,459,633
FLUORESCENT LAMP
Clarence E. Farris, Fort Monroe, Va.
Application July 14, 1947, Serial No. 760,782

wardly toward the air inlet into the casing, means for delivering liquid to flow downwardly over the top wall of the casing and over the front face of said inlet baffle to fall as a curtain across the air

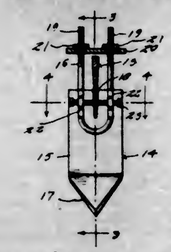
tator having an impact blade carried by said shaft within said tank, a dispersing jet carried by said agitator and having a small opening positioned at a substantial distance from the axis of rota-

transformer portions being so connected and phased that said oscillatory voltage is stepped up therein, said anode being connected to said auto-transformer at the high voltage point thereon for providing a unidirectional voltage output

2,459,633
FLUORESCENT LAMP
Clarence E. Farris, Fort Monroe, Va.
Application July 14, 1947, Serial No. 760,782
3 Claims. (Cl. 176—122)

1. A gaseous discharge tube comprising an outer evacuated envelope, a closed tube within said envelope and spaced therefrom providing a restricted space between said tube and envelope, a pair of spiral electrodes about said closed tube and within said restricted space, a thorium oxide coating about said electrodes, and a fluorescent coating about said closed tube and said electrodes.

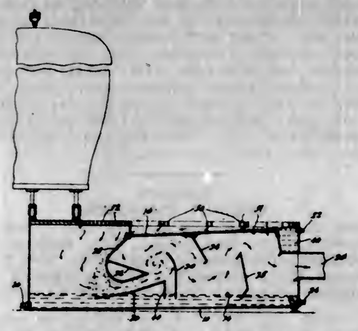
2,459,634
CORN PLANTER SHOVEL ATTACHMENT
Otley Farley, Murray, Ky.
Application November 23, 1945, Serial No. 630,222
1 Claim. (Cl. 97—225)



A shovel attachment for a corn planter sword blade comprising a shovel blade, said shovel blade formed with a V-shaped sword blade receiving opening on the upper edge thereof, upwardly extending bolts fixed on said shovel blade on opposite sides of said opening and extending upwardly beyond the upper edge of said shovel blade, threaded fittings on said blade spaced from the opposite sides of said opening and spaced rearwardly from said blade, means engaging said bolts and said sword blade for securing said shovel blade at a selected position along the length of said sword blade, and set screws engaging through said fittings engaging the opposite sides of said sword blade for holding the shovel blade locked in its selected position.

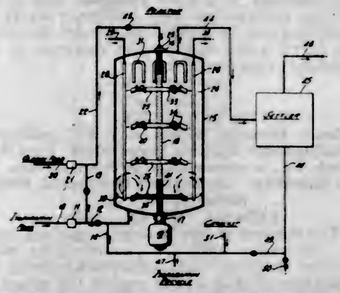
2,459,635
GAS WASHER
Orrin E. Fenn, Detroit, Mich., assignor to Peters-Dalton Inc., Detroit, Mich., a corporation of Michigan
Application August 30, 1945, Serial No. 613,559
9 Claims. (Cl. 261—118)

1. A gas washer comprising a casing defining a generally horizontally extending air passageway having an air inlet at one end and an air outlet at the opposite end, the lower portion of the casing constituting a liquid containing sump, a baffle extending downwardly from the top wall of the casing adjacent to the inlet and terminating at the bottom spaced above the liquid level in the sump, said top wall of the casing sloping downwardly toward the air inlet into the casing, means for delivering liquid to flow downwardly over the top wall of the casing and over the front face of said inlet baffle to fall as a curtain across the air inlet into the casing, a floor grill extending spaced above the top wall of the casing permitting the flow of liquid over said top wall below said grill, means for causing air to enter the casing and flow therethrough and air flow deflecting baffles disposed transversely within the casing above the liquid level therein, said inlet baffle being bent



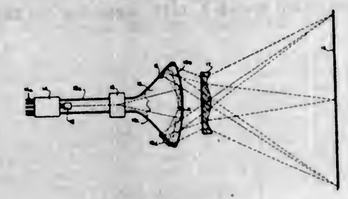
along its lower margin toward the casing outlet, a baffle extending upwardly from below the liquid level and spaced above the floor of the casing and spaced rearwardly of said inlet baffle to a height above the lower margin of the inlet baffle and curved forwardly along its top margin toward said inlet baffle forming a washing chamber between said baffles, and means for maintaining a liquid level within said casing above the lower margin of said upwardly extending baffle and below the lower margin of said inlet baffle.

2,459,636
ALKYLATION METHOD AND APPARATUS
William N. Fenney, New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 25, 1945, Serial No. 590,214
9 Claims. (Cl. 260—683.4)



1. Continuous alkylation apparatus of the character described, comprising a tank adapted to confine a reaction zone, a supply line at one end of said tank adapted for introducing liquid organic compound and liquid alkylation catalyst into said reaction zone, a discharge line at the opposite end of said tank adapted for the discharge of reaction products, a central hollow rotary shaft mounted within said tank, an agitator having an impact blade carried by said shaft within said tank, a dispersing jet carried by said agitator and having a small opening positioned at a substantial distance from the axis of rotation of said shaft and immediately in advance of an impact portion of said blade in the direction of rotation of said agitator, said shaft and agitator having communicating passages between the space within said hollow shaft and said jet opening, a supply line for liquid alkylating agent, a floating connection between said supply line and one end of said hollow shaft, power means connected to the other end of said shaft for rotating the same, whereby liquid alkylating agent is supplied to said hollow shaft and thence to said jet and is discharged from the latter in a manner to be immediately impacted by said blade, and a refrigeration coil mounted within said tank and closely surrounding said agitator so as to be positioned between the circular path of said jet and the wall of said tank, said refrigeration coil being spaced from the tank wall.

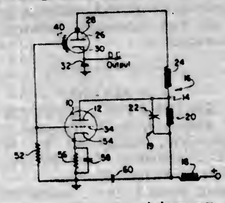
2,459,637
CATHODE-RAY IMAGE-TRANSLATING DEVICE
Henry Neil Frihart, Wilbur C. Jackson, and Fredrick B. Williams, Chicago, Ill., assignors to Motorola, Inc., a corporation of Illinois
Application November 29, 1944, Serial No. 565,770
3 Claims. (Cl. 250—164)



1. A cathode-ray image-translating device comprising, an evacuated envelope of insulation material having a concave end surface, a conductive reflecting film deposited on said concave end surface of said envelope and adapted to function as an accelerating anode, an image-forming screen deposited on said conductive film, means for developing a cathode-ray beam and scanning said screen therewith, said beam striking the concave surface of said screen, and an annular optical reflecting surface formed on the inner surface of said envelope and facing the scanned surface of said screen and effective to transmit an image from said scanned surface of said screen.

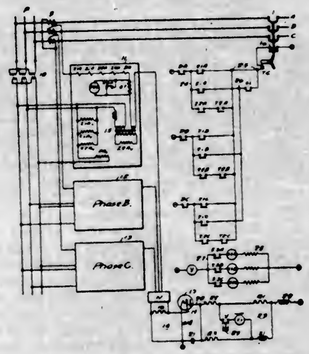
2,459,638
HIGH-VOLTAGE POWER SUPPLY
George W. Fyler, Lombard, Ill., assignor to Motorola, Inc., Chicago, Ill., a corporation of Illinois
Application April 7, 1948, Serial No. 19,482
2 Claims. (Cl. 250—36)

2. In a direct current power supply system for providing the voltage required for the anode of a cathode ray tube, the combination including an oscillator circuit providing an oscillatory voltage, an auto-transformer having two portions with one portion electrically connected into said oscillator circuit, a rectifier tube having a cylindrical glass envelope and concentric rectifying elements within said envelope, said rectifying elements including an inner cathode and an outer tubular anode spaced from said glass envelope, said auto-transformer portions being so connected and phased that said oscillatory voltage is stepped up therein, said anode being connected to said auto-transformer at the high voltage point thereon for providing a unidirectional voltage output and means for providing energy feed-back to



said oscillator circuit comprising an electrically conductive tension coiled spring adjustably mounted on the outside of said glass envelope and capacitively coupled to said tubular anode, said spring being electrically connected to said oscillator circuit and providing feedback therefor.

2,459,639
HIGH-SPEED SEQUENTIAL RELAYING SYSTEM
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 8, 1945, Serial No. 627,500
19 Claims. (Cl. 175—294)



1. Terminal protective-relay equipment for controlling a terminal-located circuit-interrupter means in a section of a transmission-line of a type having an electrical line-quantity which is subject, at times, to two increments, one when a fault first occurs on the line, and the other when the fault is first cleared by a circuit-interrupter means at some point beyond the fault, as viewed from the relaying terminal, said terminal equipment comprising the combination, with said terminal-located circuit-interrupter means, of a first relaying means, for quickly responding to fault-conditions out on the protected line-section, with only sufficient sensitivity, in general, to respond to faults within the protected line-section, and for quickly effecting an opening operation of the terminal-located circuit-interrupter means, a second relaying means, for responding to fault-conditions out on the line, with sufficient sensitivity, in general, to respond to faults beyond the far end of the

protected line-section, increment - responsive means, for selectively responding to said incre-

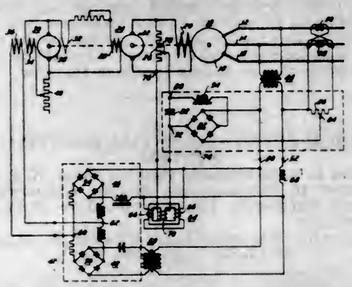
into the bore and along an angular line with respect to the axis of the bore within the bore

with a tubular conduit, a hollow stud mounted for movement about its axis in said sleeve and having

downwardly folded outer portions of said corner locking end flaps of said side wall panels being each formed with a notch and a tongue, the

protected line-section, increment - responsive means, for selectively responding to said increments in said line-quantity, and fault-detector means, operative only after a time-delay, for obtaining a joint response to said second relaying means and said increment-responsive means, and for thereupon quickly effecting an opening operation of the terminal-located circuit-interrupter means.

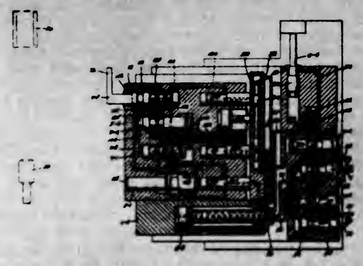
2,459,640
REGULATING SYSTEM
Samuel B. Griscom and Raymond L. Witske, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 2, 1947, Serial No. 751,810
7 Claims. (Cl. 322—24)



1. In a regulating system for a dynamo-electric machine disposed to supply a load circuit, in combination, a self-excited exciter for supplying the field-excitation of the dynamo-electric machine, a control field winding for the exciter disposed to be directionally energized, a voltage network comprising a non-linear impedance circuit and a linear impedance circuit connected to be simultaneously supplied from the load circuit and disposed when unbalanced to control the directional energization of the control field winding, means for producing a direct current voltage which is a measure of the watts output of the dynamo-electric machine, means for producing a direct current voltage which is a measure of the voltage across the field winding of the dynamo-electric machine, and means responsive to the differential of said direct current voltages only when said first direct current voltage is in excess of said second direct current voltage, said last responsive means being disposed in circuit relation with at least one of said impedance circuits for modifying the operation of the voltage network to maintain at least a predetermined minimum excitation of the dynamo-electric machine.

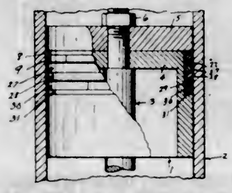
2,459,641
APPARATUS FOR DRESSING THE GRINDING WHEEL OF AN INTERNAL GRINDER
Mervil Hallead, Detroit, Mich., assignor to Superior Machine and Engineering Company, Detroit, Mich., a corporation of Michigan
Application June 13, 1945, Serial No. 599,216
25 Claims. (Cl. 125—11)

1. Dresser mechanism for an internal grinder having a rotatable wheel dressing element and a work holder adapted to support a piece of work having a cylindrical bore comprising, in combination, a wheel dressing element, a gaging element, means for advancing the gaging element along a line parallel to the axis of the bore and into the bore and along an angular line with respect to the axis of the bore within the bore into contact with the surface of the bore, and means automatically responsive to the engage-



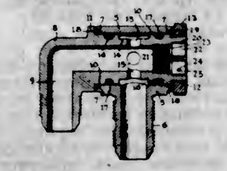
ment of the gaging element with the bore to position the wheel dressing element in alignment with the gaging element on a line parallel to the axis of the grinding wheel.

2,459,642
SEAL
Roy C. Hamilton, San Francisco, and Edward S. Rothchild, San Mateo, Calif., assignors to Rodpak Manufacturing Co., San Francisco, Calif., a corporation of Nevada
Application March 1, 1943, Serial No. 477,554
5 Claims. (Cl. 309—28)



1. In a seal of the character described, a metal ring transversely divided into separate segments, the adjacent ends of said segments being each formed with a slot opening outwardly of the same lateral side of the ring and opening outwardly of the end of each segment; a coil spring extending between each pair of adjacent ends of said segments and into the slots in said ends through the end openings of said slots; means carried by said segments integral therewith removably securing the ends of said springs in said slots.

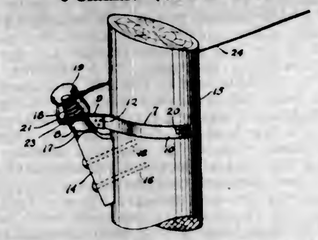
2,459,643
SWIVEL COUPLING
Emmett C. Hartley, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1945, Serial No. 589,499
8 Claims. (Cl. 285—96.3)



1. A swivel coupling comprising a hollow sleeve having a hollow extension adapted for connection

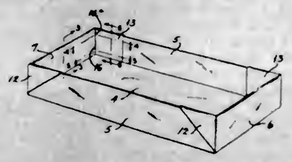
with a tubular conduit, a hollow stud mounted for movement about its axis in said sleeve and having a hollow extension adapted for connection with a tubular conduit and porting affording communication between said extensions regardless of adjusted relative positions thereof, said sleeve having outwardly flared end portions, and bevelled bearing surfaces movable with the stud and engaged in the ends of the sleeve with said flared end portions of the sleeve in a manner for constituting the sole bearing support of the stud in said sleeve.

2,459,644
DEAD-END BACK TIE
Abraham Quincy Heidebrecht, Burrton, Kans.
Application September 13, 1946, Serial No. 696,913
6 Claims. (Cl. 174—158)



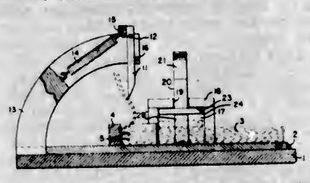
1. A dead-end back-tie adapted for attachment to an insulator bracket in supporting relationship therewith, comprising an elongated shank portion having opposed ends, one of the ends including an aperture for the reception therethrough of fastening means, and a loop portion on the shank extending from the end opposite the apertured end, said loop portion being substantially frusto-conical in shape, the axis of the loop extending upwardly and outwardly from the longitudinal axis of the shank.

2,459,645
FOLDED-BLANK BOX TRAY
Claude H. Hensley, Dallas, Tex., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application July 5, 1946, Serial No. 681,552
2 Claims. (Cl. 229—34)



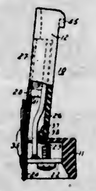
1. A rectangular folded-blank box tray comprising a bottom panel, two side wall panels having inturned end flaps, and two end wall panels disposed alongside of said inturned end flaps against the outer faces thereof and having upper marginal flaps folded downwardly over said inturned end flaps against the inner sides thereof, said end wall panels having corner locking end flaps with inner portions that are folded around said side wall panels against the outer sides thereof and outer portions that are folded downwardly over the upper edges of said side wall panels and against the inner faces thereof, the adjacent ends of said downwardly folded upper marginal flaps of said end wall panels and said downwardly folded outer portions of said corner locking end flaps of said side wall panels being each formed with a notch and a tongue, the tongue of each of said adjacent ends fitting within the notch in the other of said adjacent ends, said folded-blank box tray being made from a one-piece rectangular blank which is divided by slits and score lines into said bottom panel, said side wall panels and their end flaps and said end wall panels and their upper marginal flaps and corner locking end flaps, said adjacent ends of said upper marginal flaps and said outer portions of said corner locking end flaps being defined at each corner of said blank by a single slit which is offset laterally intermediate between its ends to provide said interfitting notches and tongues at the corresponding corner of said folded-blank box tray.

2,459,646
GUIDE CUTTER AND STUB HOLDER
Walter P. Hodges, Knoxville, Tenn.
Application July 21, 1947, Serial No. 762,447
6 Claims. (Cl. 206—40.6)



4. In a manually operated paper tearing appliance, the combination with a base and a workholder, and a slotted housing, of an inverted T-shaped presser unit reciprocable in the housing, said unit including an upright blade having spaced finger notches and projecting through the slotted housing and a horizontally disposed presser plate rigid with the blade and forming a tearing gage, a retracting spring connected to the unit, and a bowed leaf spring mounted within the housing for supporting the unit.

2,459,647
LAMP HOLDER FOR FLUORESCENT LAMPS
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application August 31, 1944, Serial No. 552,119
9 Claims. (Cl. 173—328)



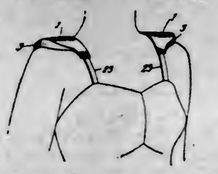
1. A lamp holder for use with tubular lamps having spaced contact pins at the ends thereof comprising, a mounting base portion having contact terminals mounted therein and an opening in the top thereof, a separate lamp-supporting portion mounted upon the base portion over the top opening, a pair of flexible contact fingers mounted upon the contact terminals in the base portion and having free ends extending into the lamp-supporting portion through said opening to be

another, and thin, flexible, round, pressure-sealing seal means bearing edgewise on one of said

and extending both inwardly and outwardly beyond the ring-support in edgewise pressure-seal-

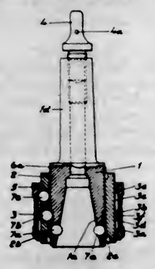
engaged by the lamp pins, and a leaf spring member mechanically connecting the base and lamp-supporting portions together, said spring member serving as a flexible joint between said portions and functioning to bias the lamp-supporting portion to a tilted position with respect to the base portion.

2,459,648
SHOULDER PAD
Anne Ingalls, Chicago, Ill.
Application January 12, 1946, Serial No. 640,740
7 Claims. (Cl. 2—268)



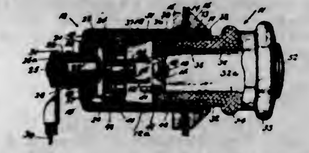
1. A shoulder pad of the class described, comprising a flexible material envelope embodying top and bottom walls having outer and end edges secured together, said bottom wall having an inner edge adjacent the inner edge of the pad and free of attachment to said top wall to form an opening affording access to the inside of the envelope, the top wall having an inner edge flap extension folded to underlie the inner marginal portion of said bottom wall to close said access opening, the pad being tapered in thickness from its outer edge toward its inner edge and said access opening, and means carried by said flap for interconnecting the pad and a shoulder strap of a garment to thereby position the pad.

2,459,649
CHUCK
Erik Torsten Wilhelm Jahrl, Orebro, Sweden
Application June 2, 1945, Serial No. 597,188
In Sweden June 8, 1944
12 Claims. (Cl. 279—75)



3. A chuck comprising a core formed with an inwardly conically tapering opening for receiving the correspondingly shaped end portion of a tool to be mounted in the chuck, a series of holes through its peripheral wall and a depression in the outer surface of the latter, a set of locking elements seated in said holes displaceable therein to engage with their inner ends depressions formed in the end portion of the tool, an inner locking sleeve surrounding said core and being axially displaceable thereon in one direction towards a locking position and in an opposite direction towards an unlocking position, an outer locking sleeve surrounding said inner locking sleeve and axially displaceable thereon.

2,459,650
CIGAR LIGHTER
Arthur A. Johnson, Bridgeport, Conn., assignor to Automatic Devices Corporation, Bridgeport, Conn., a corporation of Connecticut
Application January 17, 1936, Serial No. 59,488
7 Claims. (Cl. 219—32)



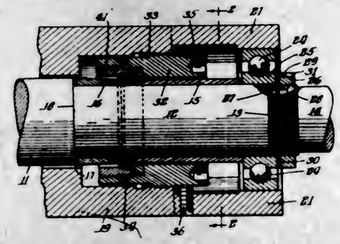
6. In an electric cigar lighter, the combination of a holding device comprising a metallic shell having a base contact insulatedly mounted therein, a removable igniting unit supported on the holding device and movable therein to operative and inoperative positions, said igniting unit having a metallic sleeve slidably engaging the shell, a body longitudinally slidable within the sleeve between limits and having a knob thereon, and an electric heating coil insulatedly mounted on the inner end of the sleeve, a ferrule surrounding the coil and electrically connected thereto, said base contact comprising a clip adapted to snap over the ferrule and thereby lock the igniting unit in operative position; and switch means including thermostatic latch contacts within the igniting unit for closing a circuit from the heating coil to the metallic sleeve to energize the coil when the body is moved to the inner limit on the sleeve.

2,459,651
SYNTHETIC RESINS DERIVED BY REACTING A CRESOL-FORMALDEHYDE CONDENSATE WITH A MONOHYDRIC ALCOHOL ESTER OF ROSIN
William D. Jones, West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 17, 1946, Serial No. 684,259
14 Claims. (Cl. 260—25)

1. A synthetic resin comprising the reaction product of a drying oil-insoluble, alkali-condensed methylphenol-formaldehyde condensate which has not passed the B stage of polymerization and a liquid monohydric alcohol ester of rosin in the weight ratio of from about 0.5 to about 2.5 parts of rosin ester per part of condensate, said methylphenol-formaldehyde condensate being the reaction product of methylphenol with from about 0.7 to about 1.3 moles of formaldehyde per mole of methylphenol, the monohydric alcohol residue of said rosin ester being free of substituents which are reactive with the methylphenol-formaldehyde condensate, said synthetic resin being characterized by substantial drying oil-insolubility, hydrocarbon insolubility and grease resistance.

2,459,652
PRESSURE SEAL
Walter Kasten, Franklin, Mich., assignor to Renniks Company, Detroit, Mich., a copartnership
Application May 10, 1945, Serial No. 593,086
1 Claim. (Cl. 286—11.13)

In a pressure-sealing construction for a bearing and a hollow housing and a circular member in said bearing and housing, said housing and circular member being rotatable relative to one another, and thin, flexible, round, pressure-sealing reed-means bearing edgewise on one of said relatively rotatable elements, and means between said housing and circular member mounting said reed-means at an oblique-angle to the axis of the element on which it edgewise bears, whereby fluid-pressure on the obtuse-angle face of said reed-means tends to flex the same into firmer engagement with the element on which it edgewise bears, the novel improvement being that the surface of said element on which said reed-means edgewise bears is tapered longitudinally of the axis of said element, that said reed-means is composed of a plurality of closely nested, truncated cone-shaped, continuous, metal reeds in direct contact with one another, and that said means mounting said reed-means is adjustable lengthwise the axis of the housing in the direction of the larger diameter of said element to compensate for wear.

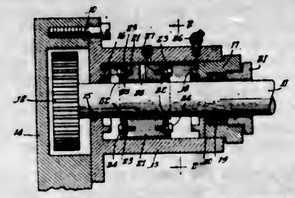


2,459,653
INSULATED CONDUCTOR
John J. Keyes, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 8, 1945, Serial No. 615,171
2 Claims. (Cl. 174—120)

1. An insulated conductor comprising, in combination, a conductor, polymerized tetrafluoroethylene applied to the conductor, an exterior layer of an inorganic fibrous material applied about the polymerized tetrafluoroethylene, and a silicone resin applied to the fibrous material to impregnate and bond the whole.

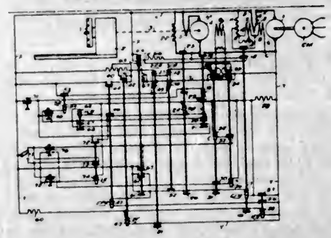
2,459,654
REED SEAL FOR ROTATING EQUIPMENT
Warren C. Kellogg and Ernest Hanshaw, Detroit, Mich., assignors to Renniks Company, Detroit, Mich., a copartnership
Application May 31, 1946, Serial No. 673,651
3 Claims. (Cl. 286—9)

1. In a pressure-seal between an internally cylindrical housing and an externally cylindrical member in said housing concentric with and spaced from one another and rotatable with relation to one another, the novel improvement that said seal includes in combination a rigid ring-support in and concentric with the annular space between said housing and member and spaced from both, a pair of annular, nested, thin, resilient, sheet-metal reeds truncated-cone shape in cross-section mounted in conforming correspondingly shaped cavities in the opposite ends of said ring-support, facing in opposite directions, and extending both inwardly and outwardly beyond the ring-support in edgewise pressure-sealing engagement with both said member and housing and with sufficient contact with the rotary element of the two to revolve on its axis, tapering rings occupying the cavities of said pair of nested



reeds at both ends of the structure, and means fastening said rings in said reeds to said ring-support for suitable mounting thereon, said ring-support and its sealing reeds being free to rotate about their axis, said reed-equipped ring-support being slidable lengthwise on said member and housing.

2,459,655
ADJUSTABLE SPEED DRIVE
George E. King and Martin H. Fisher, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 15, 1945, Serial No. 635,349
9 Claims. (Cl. 318—151)



1. An adjustable speed drive, comprising a direct-current motor, a generator having an armature circuit for providing voltage for said motor and field means for varying said voltage, a relay system disposed for controlling the speed of said motor and having relay means for controlling the excitation of said field means and relay means for controlling the connection of said motor with said generator armature, circuit means connecting said relay system with said armature in order to provide energization for said relay means by voltage generated by said generator, resistance means series-connected with said circuit means, and a relay connected with said armature circuit and having contact means connected with said resistance means for controlling the latter to reduce the effective resistance value when said generator is controlled by said field means to generate voltage below a given magnitude.

2,459,656
POCKET AUTOMATIC ELECTRIC LIGHTER
Donald Jack Kirschner, Miami Beach, Fla.
Application August 19, 1946, Serial No. 691,548
5 Claims. (Cl. 219—32)

1. An electric lighter including a container, a battery in said container, an electric ignition

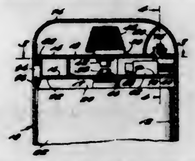
element mounted on said container, aligned and

2,459,658
DETACHABLE HANDLE

2,459,660
STRAINING DEVICE

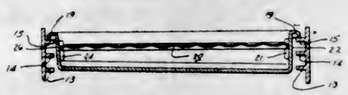
end to said base and having a free end movable between said stops and a thrust seat ar-

element mounted on said container, aligned and axially spaced contacts on said ignition element and said battery, a switch member engageable with both of said spaced contacts, a cover for said ignition element hinged to said container, and direct connecting means between said cover



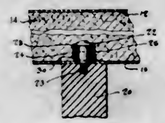
and said switch for positively moving said switch into and out of engagement with said contacts upon movement of said cover, said connecting means including a pivot for said cover, a gear on said pivot and rotatable with said cover, and a rack in mesh with said gear and reciprocable thereby for actuating said switch.

2,459,657
ADJUSTABLE BROILER
Gustav Klein, Melrose Park, Pa., assignor to Caloric Stove Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 7, 1948, Serial No. 971
2 Claims. (Cl. 99—393)



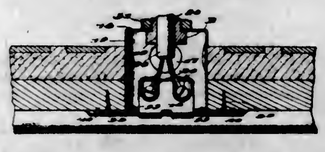
1. For use in an oven, a cooking device including a drip pan having vertical side and end walls and a bottom wall, said drip pan being adapted to be mounted in said oven in vertically adjustable relation relative to a source of heat, a grid for supporting food to be cooked above the bottom of said drip pan, said grid being of a size to pass freely between the vertical walls of said drip pan, and means for varying the height of said grid relative to said source of heat, without changing the position of said drip pan, said means including a pair of inverted T-shaped bosses projecting inwardly from each of two opposite vertical walls of said drip pan, with the bosses on one of said walls out of alignment with the other pair of said bosses, the transverse heads of said bosses being near the bottom of said drip pan and the ends of the stems of said bosses being near the top of said drip pan, said grid having notches in corresponding walls thereof, said notches corresponding, respectively, to said bosses and being large enough to permit passage of only the stems of the bosses but not the transverse heads thereof whereby when said grid is lowered, in one position, towards the bottom wall of said drip pan, the stems of said bosses register with and pass through said notches and said grid occupies a position in close proximity to the bottom of said drip pan, and whereby when said grid is lowered, end to end, in reversed position, toward the bottom wall of said drip pan, said stems of said bosses, are out of registration with said notches and said grid is supported by said stems near the top of said drip pan, said drip pan having a bottom well formed near a corner thereof for collecting liquids exuded from the food being cooked, and said grid having diagonally opposite corner notches one of which registers with said well in either position of the grid relative to the drip pan.

2,459,658
DETACHABLE HANDLE
Gustav Klein, Melrose Park, Pa., assignor to Caloric Stove Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 13, 1947, Serial No. 785,675
3 Claims. (Cl. 16—114)



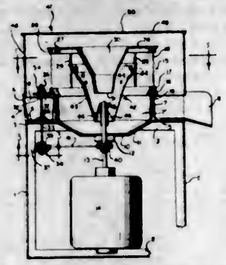
1. Means for detachably securing a handle to a panel, said means including an elongated fastening element having a head, a shank, and an end portion adapted to engage a side of said handle, a guide member including a cylindrical side wall and an apertured end wall said guide member being carried by said element with said shank extending longitudinally within said cylindrical side wall passing through the opening in said end wall, and a coil spring confined between said end wall and the head of said fastening element and urging said guide member away from said head, there being an opening in said panel through which said fastening element and said guide member may be freely inserted, said panel also having a slot adjacent to, and communicating with, said opening, the width of said slot being such that only said shank can pass through it, so that, when said fastening element and said guide member are passed through the opening in said panel and the handle is moved in the direction of said slot, said shank will pass through said slot, said panel will be interposed between the end wall of the guide member and the abutting side of the handle, and the spring will be compressed, the open end of said cylindrical wall being located near said head and having an internal diameter only very slightly greater than the diameter of the adjacent portion of said head to limit axial tilting of said guide relative to said shank.

2,459,659
CONVENIENCE OUTLET
Walter G. Kolb, Washington, D. C.
Application July 23, 1945, Serial No. 606,675
5 Claims. (Cl. 174—48)



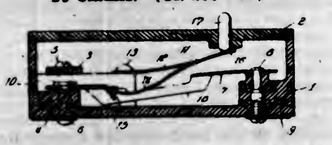
3. An outlet box and wiring device assembly comprising a cylindrical box having a closed bottom and smooth, unobstructed external walls for reception in a close fitting drilled opening in a wall, a wiring device having a mounting strap thereon, means within the diameter of the box attaching said strap across the open face of the box with the device wholly in the box and the strap ends extending radially beyond the walls thereof, and means in the extended ends of said strap to receive fastening means for attaching the assembly to a wall.

2,459,660
STRAINING DEVICE
Lila L. Lange, Chicago, Ill.
Application November 5, 1947, Serial No. 784,247
8 Claims. (Cl. 210—149)



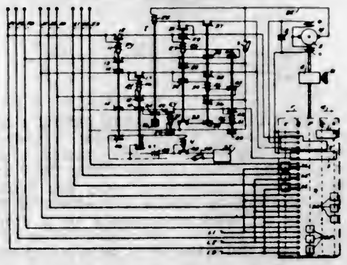
1. A fluid straining device comprising a base, a motor mounted centrally in and to said base and having an elongated drive shaft extending in a vertical plane; a cylindrical casting open at its upper end and having a bottom wall, said casting being positioned on the upper end of said base and provided with a diagonally extending peripheral wall and a vertically extending inner dividing wall, whereby to form a trough between said walls, the bottom wall within the area of said inner wall lying in a plane below that of said bottom wall of said trough and having a portion thereof lying in a diagonal plane, whereby to form a bowl; a tubular cylindrical screen cage having its wall positioned above and in line with said dividing wall and without the area of said trough; a cover plate for said screen cage having an axially positioned funnel extending downwardly and having its discharge opening located below the plane of the lower marginal edge of said screen cage; a pump comprising an impeller and a hollow casing attached thereto secured to the upper end of said drive shaft and extending into said bowl, means for rotating said pump and adapted to draw into the interior of said pump any material to be strained falling into said bowl, said pump being located partially within said bowl and partially within the inner area of said screen and spaced away therefrom, the upper end of said funnel being positioned within the upper area of said screen and the remainder of said funnel being positioned within and spaced away from said hollow casing; means for simultaneously vibrating said screen while said pump is being rotated; and a cylindrical cover housing for said screen.

2,459,661
ELECTRIC SNAP SWITCH
Allison M. MacFarland, Freeport, Ill., assignor to W. T. Neiman, Freeport, Ill.
Application July 11, 1945, Serial No. 604,382
16 Claims. (Cl. 200—67)



1. A snap switch comprising a switch base, a pair of fixed stops at least one of which is an electrical contact mounted in said base, an electrically conductive contact bar anchored at one end to said base and having a free end movable between said stops and a thrust seat arranged near said free end and facing the anchored end thereof, spring means for actuating said contact bar, said spring means comprising substantially parallel leaf spring separate compression and tension strips rigidly joined together at one end thereof, the free end of a tension strip being anchored on said base and the free end of a compression strip being stepped in the thrust seat upon said contact bar whereby vertical and longitudinal components of force are applied to said contact bar at the thrust seat, and means responsive to external manipulation for depressing the joined ends of said spring strips to actuate the switch.

2,459,662
BUS TRANSFER APPARATUS
Kurt Mahnke, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 8, 1948, Serial No. 19,846
9 Claims. (Cl. 171—97)



9. Bus transfer apparatus, comprising load buses, three groups of supply buses, a selector switch attached to said load buses and supply buses and having a switch member rotatable through three positions and three sets of contact means closed in said respective positions for electrically connecting said load buses to one of said respective groups of supply buses at a time, three voltage relays connected to said respective groups of supply buses and sequentially interlocked with each other so that one of said relays when energized prevents energization of the subsequent relays and when deenergized permits energization of the next relay, a reversible motor in driving connection with said switch member and having two energizing circuits for controlling said motor to run in forward and reverse directions respectively, three pairs of control relays, the relays of each pair being mutually interlocked and having two respective control contacts connected with said two circuits respectively so that the running direction of said motor depends upon which of the two control relays is energized, each pair of control relays having two respective coil circuits for controlling said respective control contacts, said two coil circuits of each pair being controlled by a different one of said respective voltage relays so that only one of said pairs is operative at a time, and control means forming part of said switch member and being disposed in said respective coil circuits for closing and opening said coil circuits, said control means appertaining to the respective coil circuits of each pair being angularly displaced relative to each other and disposed so that in two of said three positions of said switch member either one of the coil circuits of said operative pair of control relays

is closed while in the third position both coil circuits are open, said third position for the two coil circuits of each pair of control relays being coincident with the switch portion in which said

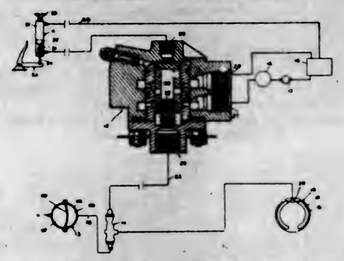
the valve chamber with the portion of smaller area exposed to said first port and with the portion of greatest area exposed to said second port.

2,459,667
CONTROL CIRCUITS
Burle C. Mason, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pitts-

2,459,669
REGULATING SYSTEM
Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pitts-

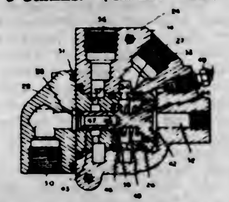
is closed while in the third position both coil circuits are open, said third position for the two coil circuits of each pair of control relays being coincident with the switch portion in which said load buses are connected to that group of supply buses whose voltage relay controls the same pair of control relays.

2,459,663
HYDRAULIC BRAKING SYSTEM
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,658
11 Claims. (Cl. 188—152)



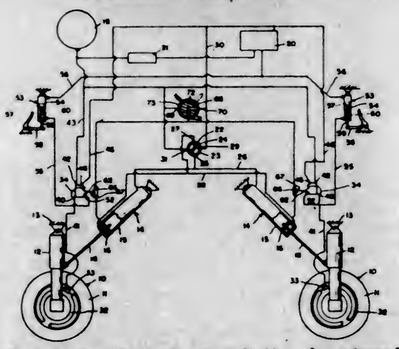
1. A hydraulic braking system having a brake provided with brake friction means, a hydraulic actuator for the brake friction means, a pressure producing device for supplying fluid under pressure to the actuator to apply the brake, a chamber adapted to receive a quantity of fluid, and means operable in response to a drop in pressure at the pressure producing device to bypass fluid from the brake actuator into said chamber.

2,459,664
HYDRAULIC VALVE
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,659
5 Claims. (Cl. 137—153)



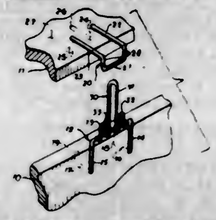
3. A power valve for hydraulic brake systems comprising a body provided with a cylindrical valve chamber and having an outlet port at one end of the chamber, a port at the opposite end of the chamber adapted for receiving a hydraulic braking fluid, spaced inlet and outlet ports in said body between the first and second ports for respectively receiving a braking fluid under a higher pressure than the first source and for exhausting braking fluid, and means in the valve chamber responsive to variations in pressure at the first port above and below a predetermined value to alternatively register the first port with the inlet and outlet ports, said means comprising a longitudinally movable valve member having portions of differential areas positioned within the valve chamber with the portion of smaller area exposed to said first port and with the portion of greatest area exposed to said second port.

2,459,665
COMBINED RETRACTING AND BRAKING SYSTEM FOR AIRCRAFT LANDING GEAR
Ludwig A. Majneri, Grosse Pointe, Mich., assignor to The Warner Aircraft Corporation, Detroit, Mich., a corporation of Michigan
Application December 26, 1944, Serial No. 569,787
14 Claims. (Cl. 244—102)



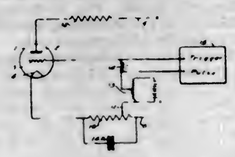
1. A hydraulic brake installation for aircraft having a retractable ground engaging wheel, comprising a brake having a hydraulic actuator, a source of fluid under relatively high pressure, a valve between the hydraulic actuator and source of fluid under relatively high pressure, and means responsive to retracting movement of the ground engaging wheel for operating said valve to connect the hydraulic actuator to said source of fluid pressure supply for applying the brake.

2,459,666
CLOSURE FASTENER
Michael Marus, Plant City, Fla.
Application May 2, 1946, Serial No. 666,622
4 Claims. (Cl. 292—246)



1. A closure fastener comprising two wire staple members having substantially straight intermediate portions, and a latch member pivoted on the intermediate portion of one of said staple members and comprising an intermediate portion of hairpin shape, and end portions wrapped about the staple member loosely enough to include the intermediate portions of both staple members therein, whereby said hairpin shaped intermediate portion of the latch member may be inserted through the other of said staple members and turned downwardly to include both staple members in the loops of the wrapped end portions of said latch.

2,459,667
CONTROL CIRCUITS
Ruric C. Mason, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1945, Serial No. 572,668
5 Claims. (Cl. 315—237)

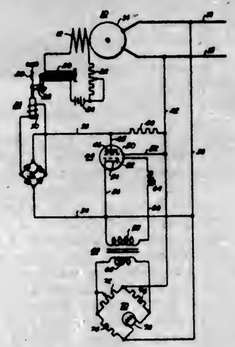


1. In combination a gaseous electrical discharge tube having an anode, a cathode and a control electrode, a source of voltage connected to supply current flow through said anode and said cathode, a first resistor connected between said cathode and said source of voltage, a capacitor and a second resistor connected in series in a circuit shunting said anode and said cathode, and a connection between said control electrode and a point on said first resistor, the portion of said first resistor between the last-mentioned point and said cathode being at least equal to 10% of the resistance of said second resistor.

2,459,668
VALVE CASING
Joseph F. Melichar, Cleveland, Ohio, assignor to The Parker Appliance Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1944, Serial No. 535,119
1 Claim. (Cl. 285—55)

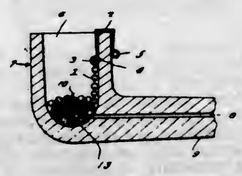
A fluid tight joint comprising a pair of interengaging parts having an annular gasket chamber therebetween, said gasket chamber comprising an outer cylindrical wall portion adjacent an end of one of said parts, an inner cylindrical wall portion in the other of said parts spaced from and parallel to said outer wall and a smooth end wall integral with said inner wall and extending radially outward from said inner wall beyond the outer wall and serving to completely close said chamber when the parts are connected with said end wall in firm metal to metal engagement with the end of the first named part, an elastic ring gasket in said chamber, said gasket and said chamber being dimensioned so that the distance between the inner and outer walls is less than the normal radial section of the gasket whereby the gasket when enclosed in said chamber will solely by its own expanding force be held in tight contact with said inner and outer walls of the chamber and whereby liquid entering the inner end of the chamber will force the gasket bodily into contact with the outer end wall of the gasket chamber, thereby causing the gasket to be further expanded laterally into tighter sealing contact with the inner and outer walls of the chamber.

2,459,669
REGULATING SYSTEM
Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 8, 1947, Serial No. 733,346
8 Claims. (Cl. 322—28)



1. In a regulating system for maintaining a predetermined voltage across load conductors supplied by a generator having field windings, the combination comprising, a pressure responsive pile rheostat connected in circuit with the field windings to control the excitation of the generator, means disposed for operation to control the pressure applied to the pile rheostat, means disposed to be energized in response to the voltage across the load conductors to effect an operation of the pressure control means, a vacuum tube valve connected in circuit relation with said energized means to inversely affect the energization thereof as the conducting period of the valve is changed, and means responsive to deviations of the voltage across the load conductors from the predetermined value for controlling the conductivity of the valve, the valve thereby cooperating with said energized means to modify the energization thereof to compensate for changes in the pile rheostat and insure correct excitation of the generator to maintain the predetermined voltage.

2,459,670
TOBACCO PIPE ATTACHMENT
Adrian K. Morris, Jacksonville, Fla.
Application February 28, 1944, Serial No. 524,270
2 Claims. (Cl. 131—184)



1. A tobacco pipe attachment comprising a chain, a filter detachably secured on one end of the chain insertible in the bowl of a pipe, and means on the other end of the chain for securing same to the bowl, said chain being of sufficient length for a portion thereof to rest loosely on the filter in the bowl.

2,459,671
OVERHEAD VALVE TAPPET CLEARANCE ADJUSTING WRENCH
George S. Morris, North Hollywood, Calif.

handle means on the outer extremity thereof; and locking means for locking said plate against rotation when said socket wrench is in alignment with any of said nuts.

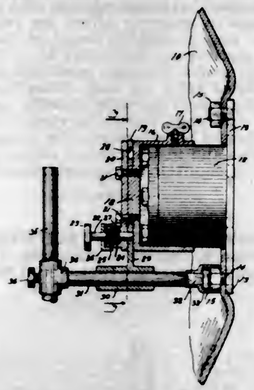
temperature, separate means for quickly solidifying the coating, means for continuously moving the strip under tension and means for controlling the tension in the strip through the ap-

the pedestal, a stem having a male thread on the end thereof adapted to pass through one side of the bracket and through the extension of the pedestal and engage with the threaded recess in

2,459,671
OVERHEAD VALVE TAPPET CLEARANCE ADJUSTING WRENCH
George S. Morris, North Hollywood, Calif.
Application June 21, 1945, Serial No. 600,751
2 Claims. (Cl. 81—56)

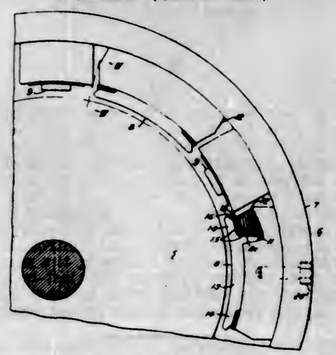
1. A device of the character described, comprising a substantially square shaped wrench head formed of upper and lower and front and rear plates, means for removably joining said plates to form the head, a socket wrench mounted in the lower plate of said head, a screw-driver perpendicular to said head having a handle attached to one end thereof, the other end thereof terminating in the socket of said socket wrench, a tubular handle bearing formed integral with said rear plate at right angles thereto, and means for rotating said screw driver, said last mentioned means comprising a handle slidably and rotatably mounted in the handle bearing and cooperating disengageable means on the inner end of the handle and on the screw-driver to rotate said screw-driver upon rotation of said handle.

2,459,672
HUB-MOUNTED WHEEL WRENCH
Jesse J. Morsch, Douglas, Wyo.
Application May 16, 1947, Serial No. 748,519
4 Claims. (Cl. 81—121)



4. A wheel wrench for removing wheel nuts from a wheel having an annular series of wheel nuts surrounding a central, projecting hub, comprising: a hub cup arranged to slip over the projecting extremity of said hub; a concentric bearing boss projecting from said cup; an annular, rotatable plate mounted on said boss; a cap member holding said plate on said boss; a wrench bearing sleeve carried by said plate; a wrench shaft slidably and rotatably mounted in said bearing sleeve parallel to the axis of said hub and in alignment with said nuts; a socket wrench on the inner extremity of said wrench shaft; and handle means on the outer extremity thereof; and locking means for locking said plate against rotation when said socket wrench is in alignment with any of said nuts.

2,459,673
DYNAMOELECTRIC MACHINE
Erich O. Mueller, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 2, 1945, Serial No. 602,868
3 Claims. (Cl. 171—252)

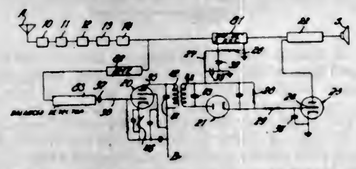


1. A dynamo-electric machine comprising a rotor member and a salient-pole stator member, a plurality of salient poles of said stator member each comprising a pole-shank portion, a coil-means on each of said pole-shank portions, a pole-face portion comprising circumferentially extending coil-supporting extensions along the full length of each longitudinal side of each of said pole-shank portions, and a coil-supporting spring-means for each of said plurality of salient poles, each spring-means comprising two longitudinally extending sheet-material strips, each extending over the full length of one of the coil-supporting extensions for that coil-means, between said coil-supporting extensions and the coil-means, each of said two longitudinally extending sheet-material strips being smoothly dished crosswise thereof, and being subjected to arching compression so as to present an almost flat coil-supporting surface when the spring-means is deflected into its compressed condition, each of said spring-means comprising means for retaining said two sheet-material strips in position on their associated salient pole.

2,459,674
CONTINUOUS TINPLATE BRIGHTENING APPARATUS
John S. Nachtman, Beaver, Pa.
Application December 30, 1939, Serial No. 311,929
14 Claims. (Cl. 266—3)

1. In apparatus for treating electroplated coatings on continuous metal strip, means for preheating the strip to a temperature below the fusing temperature of the coating thereon, separate means for briefly heating the coating to a fusing temperature, separate means for quickly solidifying the coating, means for continuously moving the strip under tension and means for controlling the tension in the strip through the apparatus, whereby a uniform smooth bright tin surface is provided on the strip.

2,459,675
INTERFERENCE REDUCING RADIO RECEIVER
Daniel E. Noble, Chicago, Ill., assignor to Motorola, Inc., a corporation of Illinois
Original application April 5, 1941, Serial No. 386,989, now Patent No. 2,343,115, dated February 29, 1944. Divided and this application April 5, 1943, Serial No. 481,821
10 Claims. (Cl. 250—20)



8. In combination with an amplitude modulation wave signal receiving system which includes a signal transmission channel and a signal responsive device, a control channel coupled to said signal transmission channel and including apparatus operative to transmit noise signals appearing in said signal channel in the total absence of a received amplitude modulated carrier signal and also operative, without any tuning of the system, to reduce the noise transmitted thereby below a predetermined value when a desired amplitude modulated signal is received, means included in said control channel for selecting noise transmitted by said apparatus, and means coupled to said noise selecting means and responsive to the noise selected by said noise selecting means for preventing said device from responding to noise or signals appearing in the system so long as the noise transmitted by said apparatus exceeds said predetermined value.

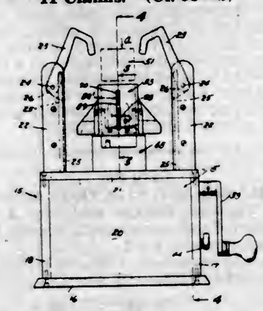
2,459,676
UNIVERSAL COUPLER FOR SUPPORTING CAMERAS ON TRIPODS
Harold J. Axtell, Rochester, N. Y.
Application January 12, 1948, Serial No. 1,765
5 Claims. (Cl. 248—177)

1. A coupling adapted to connect a camera to a tripod, said coupling having a base plate, a cylindrical boss on top of the base plate, a pedestal having a hollow cylindrical base adapted to engage with the boss and its base, said pedestal having an upward extension having two parallel male sides, a bracket having two parallel female sides extending downwardly therefrom adapted to engage with the male sides of the pedestal, a hole through one of the downwardly extending sides of the bracket, a recess in the other side of the bracket, a hole through the upward extension of the pedestal, a stem having a male thread on the end thereof adapted to pass through one side of the bracket and through the extension of the pedestal and engage with the threaded recess in the other side of the bracket to hold the bracket on the pedestal and permit the bracket to rock on the pedestal, said bracket having a cup shaped recess on top thereof, a cover for said bracket having a plate on top thereof and a hub extension downward therefrom and engaging in said cup shaped recess.

2,459,677
PROCESS FOR THE PREPARATION OF ACRYLIC ACID
Seaver A. Ballard, Orinda, and Bradford P. Geyer, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 15, 1947, Serial No. 728,961
4 Claims. (Cl. 260—526)

1. The cyclic process for converting acrolein to acrylic acid which comprises, eliminating carbon-to-carbon unsaturation of the acrolein by adding a molecule of acetic acid thereto at the olefinic bond, oxidizing the product of the addition to convert the formyl group thereof to carboxyl by treatment with molecular oxygen in the presence of an oxidation catalyst, and then removing the molecule of acetic acid from the oxidation product by pyrolysis thereof to obtain acrylic acid and returning the acetic acid to the first-stated step of the process.

2,459,678
CARTON OPENER
Samuel H. Berch, Beverly Hills, Calif., assignor to Arden Farms Co., Los Angeles, Calif., a corporation of Delaware
Application February 7, 1947, Serial No. 727,266
11 Claims. (Cl. 93—2)



1. A carton opening machine for use in unwrapping cartons filled with a product, and which carton is made from a one-piece blank folded to form a six-sided package having overlapping gussets on two opposing sides and a cover member formed with a tang introduced into certain of said gussets to hold the package sealed; said machine comprising a supporting plate upon which the sealed carton may be placed, a pair of guide members at opposite sides thereof between which the carton is moved onto said plate, means associated with said guide members for engaging contiguous side walls of the carton positively, a pair of unfolding fingers disposed adjacent to the two remaining opposite edges of the platform, means carried at the ends thereof

to pass into the folds beneath the gussets, a support for said supporting plate, individual

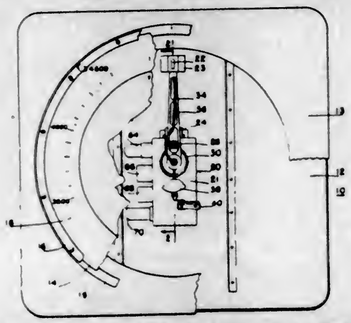
their free ends, said molding apparatus including a mold, an ejector mechanism, and means car-

axially movable sleeve, the latter sleeve member having ball retaining pockets for the balls of the

under pressure, and finally drying the resulting shape and firing it to a temperature of at least 1500° F.

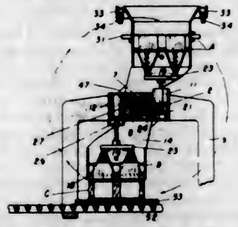
to pass into the folds beneath the gussets, a support for said supporting plate, individual pivotal connections between each of the guide members and unfolding fingers and said support, whereby said members and fingers may swing outwardly and downwardly from their normal vertical positions, and synchronized operating means for swinging said guide members and unfolding fingers outwardly and downwardly to open the carton and partially uncover the product.

2,459,679
SOUND RANGING TRAINING APPARATUS
Carlton M. Beyer and Ernest M. Bohse, San Diego, Calif., assignors to the United States of America as represented by the Secretary of the Navy
Application April 8, 1946, Serial No. 660,320
3 Claims. (Cl. 35—1)



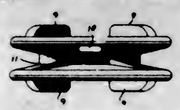
1. In a sound ranging training apparatus, means for producing a plurality of high frequency sound impulses simulating a signal and its echo, means for producing a low frequency control impulse simultaneously with said high frequency signal simulating impulse, a motor, means responsive to said low frequency impulse to start said motor, an indicator normally in a zero position rotatable by said motor, and means for deenergizing said motor when the indicator returns to said zero position after production of said high frequency echo simulating impulse.

2,459,680
MOLD FILLING AND EJECTING APPARATUS
Forrest L. Cantrall, Benicia, and John A. Carlisle, San Rafael, Calif., assignors to Shasta Volcolite Company, Benicia, Calif.
Application February 11, 1946, Serial No. 646,742
4 Claims. (Cl. 25—41)



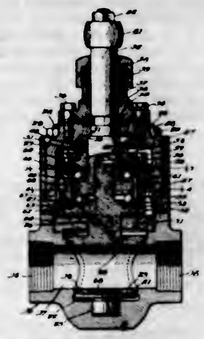
1. A molding machine comprising a pair of spaced supports, a shaft carried by said supports, spaced end-plates mounted on said shaft and serving to support a molding apparatus adjacent their free ends, said molding apparatus including a mold, an ejector mechanism, and means carried by said shaft for actuating said ejector mechanism while one of said molds is in inverted dumping position, said means including a hydraulically actuated ejector plate, slideably mounted between said end-plates.

2,459,681
DRAW CLAMP
Albert Carden, Bell, Calif.
Application October 29, 1946, Serial No. 706,428
2 Claims. (Cl. 144—297)



1. A clamp for pressing metal sheets together, comprising a pair of jaws arranged in opposed relation with respect to each other, a vertical web connected to said jaws adjacent one end thereof, said jaws diverging outwardly from said web to form a space therebetween for the reception of said sheets therein, and spaced ribs on the inner face of one of said jaws converging toward said web, the faces of said ribs being beveled to provide sharp edges thereon for engagement with the face of said sheet complemental thereto.

2,459,682
ROTARY PLUG VALVE
William D. Carrie, Lisle, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 12, 1943, Serial No. 510,052
7 Claims. (Cl. 74—22)



1. An operating mechanism for a valve of the rotary type having a casing, a plug, and an actuating stem therefor substantially axially immovable, the stem having upper and lower cam surfaces the stem being journaled for rotational movement and having cam follower members comprising a sleeve and a cup-shaped portion cooperating with the upper and lower cam surfaces respectively, balls therefor, the said sleeve cooperating with the said stem and mounted for axial movement thereon while held against rotational movement, abutment means for preventing the rotational movement of the sleeve by engagement therewith, the said cup shaped portion also cooperating with the stem and having a bottom and annular wall portions, a flange member secured to the latter wall portion and engaging the

axially movable sleeve, the latter sleeve member having ball retaining pockets for the balls of the lower cam surfaces of the actuating stem, stop lugs cooperating with the wall portion of the said cup-shaped member, guide means to receive the said stop lugs, the contour of the cam surfaces of the said actuating stem determining the axial movement of the said cup-shaped portion while rotational movement thereof is inhibited by the said guide means.

2,459,683
KEY LOCKED FASTENING FOR ATTACHÉ CASES AND THE LIKE
Charles William Cheney, Soho, Birmingham, England
Application April 25, 1945, Serial No. 590,143
In Great Britain February 25, 1944
4 Claims. (Cl. 70—67)

1. In key-locked fastenings of the kind described, a bolt-member combining a casing, a bolt in the casing, bolt-locking devices within the casing, a seating in the casing for the forward end of the key to engage, a hollow stationary knob on the face of the casing and which is open at its back and has a circular and notched hole through its front wall; a revolvable key-supporting piece within the knob and hole, fixed key-selecting projections within the knob at the back of the key supporting piece, and means for hand retracting the bolt including an additional member slidable on the face of the casing and connected with the bolt.

2,459,684
ESTER LACTONES
Willard J. Croxall, Bryn Athyn, and Harry T. Neher, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 11, 1945, Serial No. 615,708
3 Claims. (Cl. 260—344.6)

3. A method of forming esters of cis-3,6-endomethylene hexahydrophthalyl lactone which comprises heating a half ester of cis-3,6-endomethylene-Δ^4-tetrahydrophthalic acid and a monohydric aliphatic alcohol of three to twelve carbon atoms with a small proportion of water and of sulfuric acid.

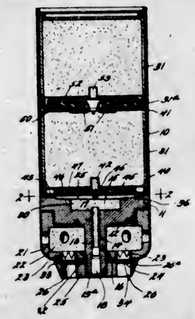
2,459,685
MANUFACTURE OF STRUCTURAL SHAPES
Arthur B. Cummins, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 3, 1944, Serial No. 533,971
2 Claims. (Cl. 106—40)

1. A method of manufacturing hard, microporous shapes which are substantially volume stable at temperatures below 1500 F. which comprises, forming crystalline hydrous magnesium silicate by reacting magnesia and finely divided micro-porous silica in the molal ratios of 1-2:3 and in the presence of water, forming a stiff aqueous paste of the resulting finely divided hydrous magnesium silicate, molding said paste under pressure, and finally drying the resulting shape and firing it to a temperature of at least 1500° F.

2,459,686
ACETOXY-ALIPHATIC AMIDES
Harold S. Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 13, 1947, Serial No. 754,587
4 Claims. (Cl. 260—490)

1. A method of preparing a member of the group consisting of α-acetoxy propionamide, β-acetoxy propionamide, α-acetoxy butyramides and β-acetoxy butyramides comprising reacting the corresponding hydroxy aliphatic nitrile with glacial acetic acid and hydrogen chloride under substantially anhydrous conditions using substantially equimolar amounts of all three reactants and a temperature within the range of about 0°–50° C.

2,459,687
AERIAL SIGNAL
Josef B. Decker, Elkton, Md., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 22, 1937, Serial No. 149,741
Renewed May 29, 1939
16 Claims. (Cl. 102—37.7)



1. A signal device of the kind described, including a casing having a chamber for explosive material and openings in the rear wall of said chamber, a lock nut arranged rearwardly of said rear wall and having openings therein, a sealing disk clamped between said wall and nut, said nut having a flange around the margin thereof to press against said disk, whereby a space is formed between the surface of said nut and said disk.

2,459,688
INSULATING TUBULAR COVERING AND METHOD OF MAKING THE SAME
Cornelius A. de Vyver, Chappaqua, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application June 1, 1946, Serial No. 673,801
10 Claims. (Cl. 66—190)

1. A flexible, tubular covering composed of a felted, preformed, self-sustaining, fibrous mate-

rial forming a tubular layer, and an enclosing and confining sheath comprising a seamless

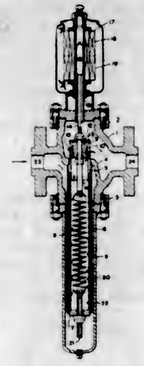
lected from the group of cycloaliphatic hydrocarbons and cycloparaffin alcohols having from 5 to

portion formed along one side with a longitudinal split so that the cylindrical portion may be ex-

into an integral seamless sheet, the strips having incorporated therein colored fluorescent pig-

rial forming a tubular layer, and an enclosing and confining sheath comprising a seamless sleeve.

2,459,689
FLUID RATE OF FLOW MEASURING APPARATUS
Paul S. Dickey, East Cleveland, and Jack F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company, a corporation of Delaware
Application September 22, 1944, Serial No. 555,258
4 Claims. (Cl. 73—208)

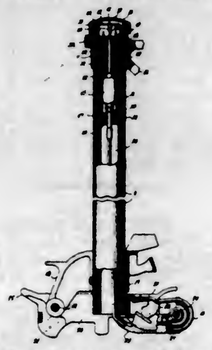


1. A fluid flow meter comprising, in combination, a housing having axially aligned inlet and outlet openings and a separating partition therebetween, a ported member secured within an opening in said partition and having an elongated tubular portion extending from one side of said partition with its axis lying in a plane perpendicular to the axes of said inlet and outlet openings, said tubular portion having openings along its length for connecting its interior in communication with the housing portion receiving fluid from said inlet opening, a valve plug positionable relative to said ported member for controlling the flow of fluid therethrough, a tension spring secured at one end to said valve plug and adjustably connected at its other end to said tubular portion, said spring extending axially through said tubular portion and operating to urge said valve plug toward its closed position, and a rate of flow transmitter supported by said housing and having a winding energized from a source of A.-C., a plurality of windings inductively coupled to said first winding, and a magnetic core piece connected to said valve plug and movable relative to said windings for varying the inductive coupling in correspondence with changes in the rate of fluid flow.

2,459,690
OXIDATION OF CYCLOALIPHATIC HYDROCARBONS AND ALCOHOLS
Thomas F. Doumani, Los Angeles, Clarence S. Coe, Long Beach, and Edward C. Attané, Jr., Inglewood, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application May 2, 1945, Serial No. 591,568
9 Claims. (Cl. 260—533)

8. A process for the preparation of organic acids which comprises establishing a vertical column of a liquid cycloaliphatic derivative selected from the group of cycloaliphatic hydrocarbons and cycloparaffin alcohols having from 5 to 8 carbon atoms, maintaining said liquid cycloaliphatic derivative at an elevated temperature and pressure, preheating nitric acid so as to decompose a portion thereof with production of a gaseous phase comprising nitrogen dioxide and an aqueous liquid phase comprising nitric acid, contacting said gaseous phase with said cycloaliphatic derivative in the upper part of said column and thereby forming a liquid nitration reaction product comprising nitrocycloaliphatic derivatives and unreacted cycloaliphatic derivatives, contacting said liquid nitration reaction product in the lower part of said column with said aqueous liquid phase comprising nitric acid, and thereby oxidizing said nitrocycloaliphatic derivatives to form organic acids.

2,459,691
HIGH-VOLTAGE CIRCUIT INTERRUPTER
Ralph H. Earle, Wauwatosa, and Roald H. Amundson, Milwaukee, Wis., assignors to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application January 29, 1944, Serial No. 520,180
11 Claims. (Cl. 200—120)



1. A circuit interrupter comprising a body portion provided with an arc channel, interrupting means adapted to interrupt a circuit under overload and form an arc in said arc channel, gas liberating means adapted to liberate a gas when acted upon by an arc, said gas liberating means being spaced axially of said body portion from said interrupting means, said body portion being tubular and having a portion extending beyond said gas liberating means in a direction away from said interrupting means and having a permanently open end, and an expellable apertured plug through which said arc is formed and through which the liberated gas passes to extinguish said arc, said plug being normally positioned and retained in said arc channel solely by friction, said plug remaining in place in said arc channel for moderate overloads to provide a restricted passage and being expelled on heavy overloads to provide a larger passage.

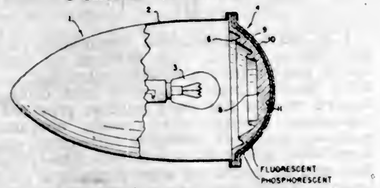
2,459,692
SUPPORT FOR NEON TUBES
Milton Fletcher, New York, N. Y.
Application December 21, 1944, Serial No. 569,207
2 Claims. (Cl. 248—50)

1. An article of the class described, comprising a clip of resilient material including a cylindrical

portion formed along one side with a longitudinal split so that the cylindrical portion may be expanded to permit the insertion and removal of one end portion of a rod, said cylindrical portion being elliptical in cross-section, and a rod having an end portion engaged in said cylindrical portion, said end portion engaged within said cylindrical portion being formed with spaced circumferential grooves dividing said end portion into sections, one of said sections being offset laterally in one direction and the other being offset laterally in the opposite direction to combine to

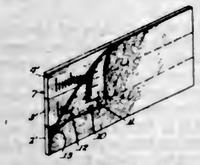
give said end portion an elliptical configuration conforming to the elliptical cross-sectional shape of said cylindrical portion, whereby said end portion of said rod is inserted into said cylindrical portion with the major axis of its elliptical formation parallel to the major axis of the elliptical cylindrical portion after which said rod is turned through ninety degrees to extend the major axis of the elliptical formation of said end portion parallel to the minor axis of the cylindrical portion to be more rigidly gripped by said cylindrical portion.

2,459,693
LAMINATED PHOSPHORESCENT FLUORESCENT ARTICLE
Joseph M. Gordon, Chicago, Ill.
Application August 14, 1944, Serial No. 549,366
6 Claims. (Cl. 250—71)



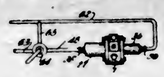
1. A signal lamp light transmitting cover comprising a transparent body at least a part of which comprises a transparent layer containing phosphorescent material overlaid on opposite sides by light-pervious fluorescent materials.

2,459,694
STRUCTURE FOR FLUORESCENT DIAL PANEL AND METHOD OF MAKING THE SAME
Joseph M. Gordon, Chicago, Ill.
Application September 2, 1944, Serial No. 552,459
3 Claims. (Cl. 250—72)



1. A fluorescent sheet of light pervious material comprising strips united together edge to edge into an integral seamless sheet, the strips having incorporated therein colored fluorescent pigments, the pigments in successive strips being of different colors, and a scale formed on each strip by an opaque film which covers one surface of the sheet and has dial mark openings therein whereby the colors of the respective scales are the different colors of the respective strips.

2,459,695
CLOSURE OPERATOR
Percy M. Griffin, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application September 21, 1943, Serial No. 503,302
4 Claims. (Cl. 121—44)



1. In a fluid actuated closure operator of the differential pressure type including a cylinder having a piston mounted for reciprocation therein, a unitary valve for reducing the rate of fluid discharge from said cylinder as said piston approaches the end of its fluid-exhausting stroke comprising an elongated element having a tubular portion and provided with means adapting it to be fixedly secured to said cylinder with said tubular portion extending therein and also with passage means for the flow of fluid therethrough to and from said cylinder, means slidably mounted in said tubular portion for reducing the effective cross-sectional area of said passage means and means, including resilient means, separate from said area-reducing means adapted to cooperate with said piston and with said area-reducing means for actuating the latter as said piston approaches the end of its fluid-exhausting stroke.

2,459,696
PROCESS FOR THE PREPARATION OF NORNICOTINE
Paul G. Haines and Abner Eisner, Philadelphia, and Charles F. Woodward, Abington, Pa., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application July 12, 1944,
Serial No. 544,618
5 Claims. (Cl. 260—251)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

3. A process for manufacture of nornicotine in which the starting material is myosmine, comprising reacting the myosmine with hydrogen in the presence of a catalyst chosen from the group consisting of platinum oxide, palladium oxide, and a mixture of platinum oxide and palladium oxide, buffering the reaction mixture during the reduction to nornicotine to maintain it at pH 6 to 9, and recovering the nornicotine from the reaction mixture.

2,459,697
BROACHING MACHINE
Carl J. Halborg, New Baltimore, Mich., assignor to Colonial Broach Company, Warren Township, Macomb County, Mich., a corporation of Delaware
Application January 25, 1945, Serial No. 574,509
27 Claims. (Cl. 90—33)

6. In a surface broaching machine, a reciprocating broaching ram adapted to carry a broaching tool, a work supporting table mounted for

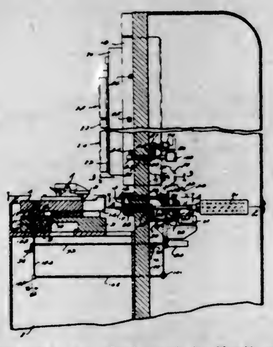
movement toward and from the path of movement of the ram, means for moving the work-

at a frequency *f*, means for developing high frequency pulses substantially at a frequency *nf*,

engagement with the interior of the channel, said spring element being connected with said key portion and adapted to maintain the latter in its clutched position while yielding under knob

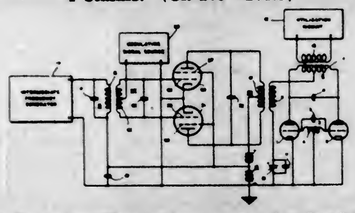
2,459,704
TELEMETRIC DEVICE
Henry H. Johnson, Glendale, Calif.
Application March 26, 1946, Serial No. 657,309

movement toward and from the path of movement of the ram, means for moving the worktable toward the ram and exerting a force on the table during the broaching stroke sufficient to overcome the thrust of the broaching tool,



means forming an abutment to limit movement of the worktable toward the ram, and means for shifting said abutment means during the broaching stroke of the ram in order to permit said first means to feed the work toward the ram during the broaching stroke.

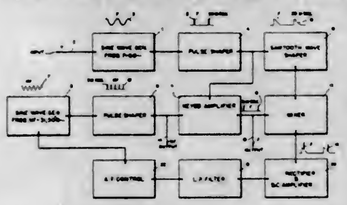
2,459,698
MODULATION SYSTEM
Clyde E. Hallmark, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 20, 1944, Serial No. 564,310
4 Claims. (Cl. 179—171.5)



1. In a signalling system, means for developing intermediate frequency energy modulated in accordance with a signal, power converting means having an output circuit including a resonant network tuned to a radio frequency, means for exciting said network at said radio frequency, means for amplifying the voltage of said intermediate frequency energy, means for supplying said voltage-amplified intermediate frequency energy to said network as the primary source of power for said network, and means for deriving from said network radio frequency energy modulated in amplitude in accordance with said signal-modulated intermediate frequency.

2,459,699
SYNCHRONIZING SYSTEM
Clyde Edwin Hallmark, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application February 1, 1946, Serial No. 644,872
11 Claims. (Cl. 250—36)

1. A synchronizing system comprising means for developing low frequency pulses substantially at a frequency f, means for developing high frequency pulses substantially at a frequency nf, where n is an integer, means rendered operative only by said low frequency pulses for selecting groups of said high frequency pulses at recurring time intervals equal to the reciprocal of said frequency f, means for shaping said low fre-



quency pulses to develop a pedestal wave having the same frequency as said low frequency pulses, means for mixing said selected groups of high frequency pulses with said pedestal wave to derive a frequency control signal, and means for controlling the frequency of one of said pulses in accordance with said frequency control signal.

2,459,700
CONTROL VALVE
Elmer E. Harper, Monrovia, Calif.; Esther Pardee Harper executrix of Elmer E. Harper, deceased
Application June 7, 1944, Serial No. 539,049
2 Claims. (Cl. 251—126)

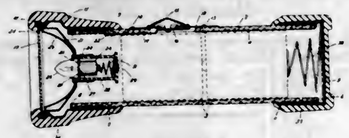
1. A valve construction comprising, a valve seat having a thin edge defining an upwardly facing valve orifice, a rocking valve having operative floating movement over said orifice and formed with a flat body portion provided with depending counterweight means operative to maintain said body portion in fulcruming engagement with said thin edge at one side of the orifice, and an operating arm forming a rigid extension from said body portion and projecting therefrom along a line substantially below the level of said orifice.

2,459,701
MECHANICAL INSTRUMENT HOLDER
Elmer E. Harper, deceased, late of Monrovia, Calif., by Esther Pardee Harper, executrix, Monrovia, Calif.
Application July 16, 1945, Serial No. 605,384
1 Claim. (Cl. 120—19)

Mechanical holder means of the type described comprising, a body member in pencil form and constructed with a channel portion having a longitudinal slot and providing a longitudinal instrument bore having an end outlet opening, and a propelling device operative along said slot and comprising a knob provided with a spring element projecting through the slot into position for engaging and propelling the instrument along said channel, and also a key portion adapted for rocking into and out of clutching

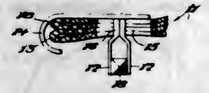
engagement with the interior of the channel, said spring element being connected with said key portion and adapted to maintain the latter in its clutched position while yielding under knob pressure to permit rocking of said key portion out of clutching engagement with the interior of the channel.

2,459,702
FLASH LAMP
Harry T. Hipwell and Harry H. Hipwell, Pittsburgh, Pa.
Application May 20, 1946, Serial No. 671,098
1 Claim. (Cl. 240—10.66)



The combination with a flash lamp case for supporting battery cells, of a removable cap member for the forward end of the case, having an annular groove at its forward end, a lens and a lamp-supporting shell having annular edge portions fitting in the groove and thereby held in unitary relation with the cap, a reflector disposed within the shell, a sleeve extending into the rear ends of the reflector and the shell and having a groove which receives the adjacent edges of the reflector and the shell, to thereby support the reflector, the sleeve having an interiorly formed bead adjacent to the groove, a lamp socket having a shoulder seating against the bead and removable through the rear end of the sleeve, and adapted to carry a lamp bulb which can be passed through the sleeve, and a cap insertable through the rear end of the sleeve, in circumferential relation to the lamp socket and with its forward end abutting the rear side of the said shoulder.

2,459,703
CUFF LINK FOR FRENCH TYPE CUFFS
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application June 10, 1948, Serial No. 32,192
7 Claims. (Cl. 24—97)

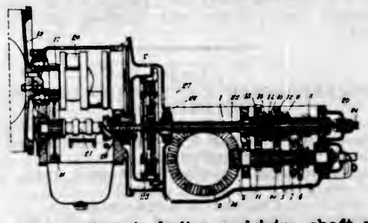


1. A cuff link comprising a first head member having a first portion in generally a single plane to engage one outer surface of a cuff with an end portion extending transversely to said first portion and then back over said first portion beyond a perpendicular to said plane at the joint of juncture of said plane with said transverse end portion to extend about the edges of the cuff and over the opposite outer surface thereof, a post secured at one of its ends to said head member to pass through all of the buttonholes of the cuff and a second head member at the other end of the post to extend over the said opposite outer surface of the cuff to assist in retaining the post in the buttonholes of the cuff, said second head member being spaced from said first head member when in holding position in the cuff.

2,459,704
TELEMETRIC DEVICE
Henry H. Johnson, Glendale, Calif.
Application March 26, 1946, Serial No. 657,309
5 Claims. (Cl. 177—351)

1. In a telemetric device, a support of magnetic material having a bottom flange, a top plate of magnetic material attached to said support which is almost parallel to but slopes gradually in a longitudinal direction with respect to the bottom flange, a magnetic member movable between said bottom flange and said top plate, and a pair of coils mounted on said movable magnetic member.

2,459,705
TRANSMISSION SYSTEM FOR AUTOMOBILE VEHICLES
Maurice Francois Alexandre Julien, Paris, France
Application March 9, 1945, Serial No. 581,893
In France June 9, 1943
5 Claims. (Cl. 74—326)
Section 1, Public Law 690, August 8, 1946
Patent expires June 9, 1963



1. In a system including a driving shaft and a driven part, a change speed transmission for transmitting the movement from the first of said shafts to the other with at least two different gear ratios the higher of which is at most equal to 1 to 1, this transmission comprising, in combination, a change speed gear of the type including an input shaft and an output shaft having their axes at a distance from each other, with gears carried by said shafts for directly interconnecting them, said change speed gear being constructed to give at least two different gear ratios one of which is higher than 1 to 1 and the other at most equal to 1 to 1, reducing gear means for coupling the input shaft of said change speed gear with said driving shaft and means for coupling the output shaft of said gear with said driven part, the gear ratio of said reducing gear means and the two gear ratios of said change speed gear being so chosen that the products of the first by the other two, respectively, are equal to the two gear ratios to be obtained for the whole change speed transmission system.

2,459,706
PREPARATION OF AMIDES
John A. King, Albany, N. Y., assignor, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 8, 1945, Serial No. 633,875
7 Claims. (Cl. 260—561)

1. A process for preparing carboxylic acid

amides which comprises heating together at an elevated temperature in excess of 100° C. an aqueous mixture comprising essentially sulfur, ammonia, and a member of the group consisting

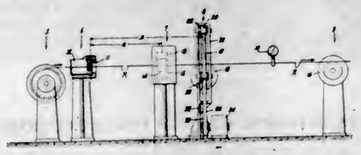
less than their normal maximum volume, and means responsive to variations in the load on the system for controlling the flow of air through said bleeding means.

relation to a patient's mouth comprising a block of material formed with two bores in close, substantially parallel relation, said block comprising an arm extending substantially perpendicularly to the axis of said bores, said arm comprising at

rockable on said post, a driven lathe head on said lathe for rotatably supporting a work piece, said carriage having means for supporting a cutting tool to act on work supported by said head, a cam follower pivotally carried by said carriage, a cam secured on said main frame on one side of said

amides which comprises heating together at an elevated temperature in excess of 100° C. an aqueous mixture comprising essentially sulfur, ammonia, and a member of the group consisting of alkyl mercaptans, aralkyl mercaptans, secondary alcohols, and tertiary alcohols.

2,459,707
METHOD AND APPARATUS FOR GRINDING ROD AND WIRE
Dartrey Lewis, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application April 21, 1947, Serial No. 742,808
6 Claims. (Cl. 51—75)



3. Apparatus for grinding rod and the like which comprises a grinder, means for pulling the rod through the grinder, means for restraining the rod from twisting at fixed points on each side of the grinder, and means for continuously applying a unidirectional twist to the rod at a point adjacent the grinder and between said fixed points.

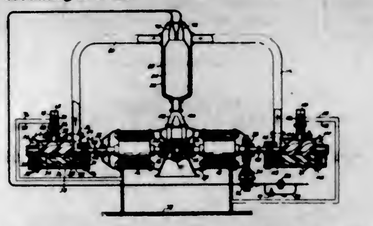
2,459,708
DISPERSIONS OF PROTEINS IN AQUEOUS DETERGENTS
Harold P. Lundgren, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 4, 1947, Serial No. 739,353
6 Claims. (Cl. 106—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A composition consisting essentially of an aqueous dispersion of approximately equal parts by weight of a protein and a detergent selected from the group consisting of alkyl aryl sulphonates and alkyl sulphates.

4. A composition consisting essentially of an aqueous dispersion of substantially equal parts of egg white solids and sodium isopropyl naphthalene sulphonate.

2,459,709
GAS TURBINE SYSTEM EMBODYING ROTARY POSITIVE DISPLACEMENT COMPRESSOR APPARATUS
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, as trustees
Original application March 28, 1936, Serial No. 71,363, now Patent No. 2,358,815, dated September 26, 1944. Divided and this application August 25, 1943, Serial No. 500,010
In Sweden March 28, 1935
7 Claims. (Cl. 290—2)

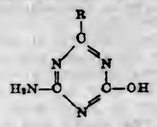
1. In a gas turbine system of the continuous combustion type, means for compressing air to be used as a constituent of motive fluid for expansion in the system comprising a rotary positive displacement compressor, means for bleeding the compression spaces of said compressor to retard the time of commencement of compression in said spaces until their volume has been reduced to less than their normal maximum volume, and means responsive to variations in the load on the system for controlling the flow of air through said bleeding means.



7. A system as set forth in claim 1 in which said bleeding means comprises electrically actuated valve means operative in response to the electrical load on the system.

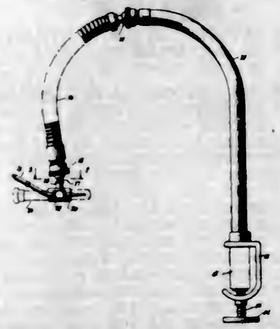
2,459,710
METHOD OF PREPARING GUANAMINES
Johnstone S. Mackay, Old Greenwich, and Joseph H. Paden, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 9, 1946, Serial No. 682,284
7 Claims. (Cl. 260—249.5)

1. A method of preparing a guanamine which comprises heating a guanide of the formula



where R is a member of the group consisting of hydrogen, an aliphatic hydrocarbon radical and an aromatic hydrocarbon radical, in the presence of added ammonia under pressure at a temperature within the range of substantially 250°–500° C., and recovering the thus-formed guanamine.

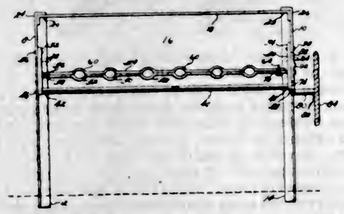
2,459,711
DENTAL UNIT
William J. Meier, New York, N. Y.
Application May 21, 1945, Serial No. 594,991
1 Claim. (Cl. 248—226)



In a dental unit, the combination of means for supporting a light and an air nozzle in operative

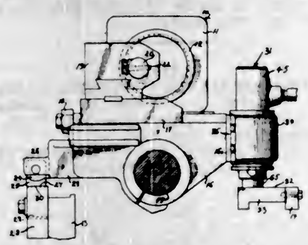
relation to a patient's mouth comprising a block of material formed with two bores in close, substantially parallel relation, said block comprising an arm extending substantially perpendicularly to the axis of said bores, said arm comprising at its outer end means for angularly adjustable engagement with a support means said block farther comprising separate clamp means in operative relation to each of said bores.

2,459,712
RESTRAINING DEVICE
Charles F. Messina and Michael M. Messina, Central Valley, N. Y.
Application August 2, 1946, Serial No. 688,012
6 Claims. (Cl. 70—16)



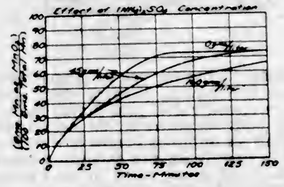
1. A device for securing prisoners, comprising a frame securable to the chassis of an automobile and supportable inside the automobile, left and right side safety bar brackets pivoted at one end to said frame, a fixed handcuff bar secured at its ends to said left and right safety bar brackets intermediate their ends, and having a plurality of spaced wrist receiving depressions formed therein, a movable handcuff bar pivoted at one end to one end of said fixed handcuff bar and having a plurality of upwardly curved portions corresponding to said depressions in the fixed handcuff bar, for confining the wrists of the prisoners therebetween, said fixed and movable handcuff bars having aligned apertures at their ends remote from their pivotal engagement, a latch pin insertable through said apertures for locking said handcuff bars together, and a safety pin for holding said latch pin in place.

2,459,713
HYDRAULIC CAM ADJUSTER
Chester C. Meore and Carl F. King, Jr., Aurora, Ill., assignors to Stephens-Adamson Mfg. Co., Aurora, Ill., a corporation of Illinois
Application February 20, 1946, Serial No. 648,934
6 Claims. (Cl. 77—3)



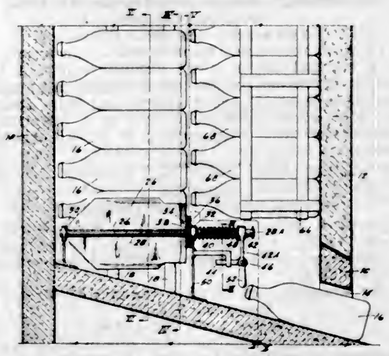
1. A profile or contour forming lathe which comprises a main frame, a lathe post supported by said main frame, a lathe carriage slidable and rockable on said post, a driven lathe head on said lathe for rotatably supporting a work piece, said carriage having means for supporting a cutting tool to act on work supported by said head, a cam follower pivotally carried by said carriage, a cam secured on said main frame on one side of said post, a plate having a flat accurately finished surface secured on said main frame on the other side of said post, a fluid pressure actuated jack on said carriage, a cam follower pivoted on the ram of said jack and acting on said plate, and means for maintaining fluid under constant pressure in said jack to rock the tool carriage and hold both cam followers in constant engagement with the cam and accurately finished surface of the plate respectively.

2,459,714
PREPARATION OF OXIDES OF MANGANESE
Ralph W. Moulton, Seattle, Wash., assignor to Manganese Products, Inc., Seattle, Wash., a corporation of Washington
Application June 10, 1944, Serial No. 539,685
1 Claim. (Cl. 23—145)



The process of preparing oxides of manganese, comprising: preparing a solution of manganese sulfate with an ammonium hydroxide concentration above 3 N, subjecting the solution to a partial pressure of oxygen above ten p. s. i. absolute at a temperature below 30° C., and maintaining an ammonium sulfate concentration less than 45 grams per liter.

2,459,715
VENDING APPARATUS
Lewis T. Newman, Memphis, Tenn.
Application July 14, 1947, Serial No. 760,849
7 Claims. (Cl. 312—48)



6. In a vending machine which includes a magazine for holding a plurality of articles for

successive gravity discharge, a rotary element journalled adjacent the discharge end of said magazine, and releasable means for latching said element against rotation, said element including blades shiftable by rotation of said element into

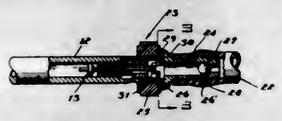
2,459,719
CONCRETE WALL FORM
Joseph J. Pirz, Flushing, N. Y.
Application October 30, 1946, Serial No. 706,640
4 Claims. (Cl. 25—131)

a resilient fibrous strip gasket, and wrapping a thin, flexible heat and solvent resistant tape comprising tetrafluor-ethylene polymer in tightly fitting relation over all exposed surfaces of the strip as a core, and sealing lapped edges of the tape to

ance means coupled to said second device for deriving a square wave output signal from said second device, and means for supplying an input signal to said multivibrator.

successive gravity discharge, a rotary element journalled adjacent the discharge end of said magazine, and releasable means for latching said element against rotation, said element including blades shiftable by rotation of said element into restraining relation with respect to said articles, means for frictionally resisting turning movement of said element, and means responsive to said turning movement for progressively reducing said frictional resistance.

2,459,716
TIRE PUMP CONNECTION
John M. Nickelsen, Ann Arbor, and Henry W. Emerick, Monroe, Mich., assignors to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application April 29, 1946, Serial No. 665,759
2 Claims. (Cl. 284—18)



1. A pump fitting for use in connection with a pneumatic tire having a valve stem embodying a normally closed valve, said fitting including an elongated body adapted to be detachably connected to an air pump by means of a suitable conduit and having an axially extending passageway therethrough, a check valve in said passageway for controlling the flow of air therethrough, a cap internally threaded for threadably engaging the tire valve stem and secured to one end of said body for rotation relative thereto, an annular sealing gasket secured between said body end and said cap so as to seal the joint therebetween, and a projection formed integrally on said gasket and projecting into said cap so as to engage and open the valve in the tire valve stem when the cap is threaded on the latter.

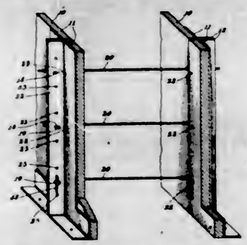
2,459,717
ORGANIC LUBRICANT COMPOSITION
George L. Perry, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 23, 1946, Serial No. 642,986
13 Claims. (Cl. 252—48.6)

12. A composition comprising a major amount of a mineral oil, a minor amount sufficient to inhibit corrosion, of an alkyl dibasic aliphatic acid of at least 16 carbon atoms, and from about 0.01% to about 0.1% by weight of a sulfurized unsaturated fatty acid having at least 8 carbon atoms.

2,459,718
LUBRICATING COMPOSITION
Emmett R. Barnum and George L. Perry, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 25, 1946, Serial No. 643,461
3 Claims. (Cl. 252—48.6)

1. A mineral lubricating oil having incorporated therewith from 0.01% to 0.05% of sulfurized oleic acid having a sulfur content of from 12.4% to 25.8%.

2,459,719
CONCRETE WALL FORM
Joseph J. Pirz, Flushing, N. Y.
Application October 30, 1946, Serial No. 706,640
4 Claims. (Cl. 25—131)



1. A concrete form comprising in combination a pair of form walls, each wall made up of unit sections assembled edge to edge, each section comprising a panel and an apertured reinforcement flange projecting from the edge thereof, and tie wires extending across the pouring space and projecting through opposite sections of the two walls, the projecting end of each tie wire extending in a single loop through registering apertures of adjacent continuously contactive projecting flanges of adjoining sections and secured therein to secure the sections together and to space said form walls.

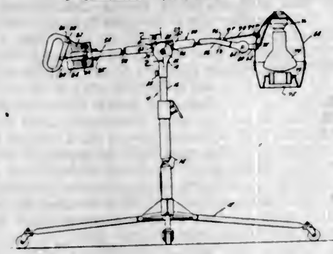
2,459,720
FOLDED FABRIC GASKET AND METHOD OF MANUFACTURE
Emil J. Poltorak, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application March 19, 1945, Serial No. 583,543
2 Claims. (Cl. 288—33)

1. A gasket comprising a fibrous fabric strip having its ends joined and having each lateral edge folded outwardly at one side thereof to form a ring, a thin flexible heat and solvent resistant tape of polytetrafluor ethylene having one surface thereof coated with adhesive and affixed longitudinally to the inner surface of the ring, the lateral edges of said tape being folded in lapped relation with the lapped outer surfaces of the fabric ring, the thus-jacketed ring being again folded along its center line and rolled to form a multiple ply ring gasket.

2,459,721
METHOD OF MANUFACTURING GASKETS
Emil J. Poltorak, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application January 26, 1946, Serial No. 643,590
4 Claims. (Cl. 154—33.1)

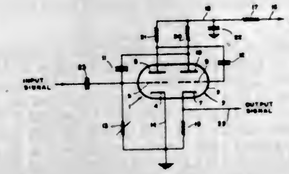
1. That method of forming a heat and solvent resistant ring gasket which comprises, forming a resilient fibrous strip gasket, and wrapping a thin, flexible heat and solvent resistant tape comprising tetrafluor-ethylene polymer in tightly fitting relation over all exposed surfaces of the strip as a core, and sealing lapped edges of the tape to form a completely enclosing jacket for the gasket.

2,459,722
BOOM LIGHT
Edison Avery Price, New York, N. Y., assignor to Display Lighting Incorporated, New York, N. Y., a corporation of New York
Application March 12, 1947, Serial No. 734,109
5 Claims. (Cl. 248—124)



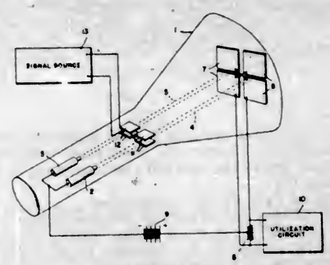
1. A boom light and support therefor, the boom comprising an elongated, hollow tubular rod, a housing pivotally secured to one end thereof, a light bulb within the housing, a counterweight at the other end of the rod, a handle pivotally secured by one end thereof to the counterweight, a cable connection from the handle spaced from the pivotally secured end thereof to the housing extending through the hollow rod, whereby swinging movement of the handle about its pivot is transmitted directly through the cable to the housing so as to cause pivoting movement of the housing in response thereto.

2,459,723
PULSE AND SQUARE WAVE GENERATOR
Joseph D. Schantz, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application August 26, 1944, Serial No. 551,320
13 Claims. (Cl. 250—36)



10. A square wave generator comprising a multivibrator including a first electric discharge device and a second electric discharge device, each of said devices having a cathode, a grid and an anode, means for supplying operating potentials to said cathodes and to said anodes, impedance means for coupling the anode of each of said devices to the grid of the other device, means coupled to said impedance means to impart to said first device a finite time constant, second impedance means coupled to said second device having a nominally infinite time constant, third impedance means coupled to said second device for deriving a square wave output signal from said second device, and means for supplying an input signal to said multivibrator.

2,459,724
ASTATIC CATHODE-RAY TUBE
Paul J. Selgin, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application November 27, 1946, Serial No. 712,566
7 Claims. (Cl. 250—27)



1. Signaling apparatus comprising, a source of signals, an output circuit for said signals, a cathode ray device comprising means for producing two electron beams, deflecting systems located adjacent to the respective paths of said beams and connected to said signal source in a manner to cause said beams to be deflected in response to said signals to the same degree but in opposite senses, an electron collecting system including two target electrodes located in the respective paths of said electron beams, and means coupling said target electrodes differentially to said output circuit in a manner whereby signal-produced variations in the electron collection by said electron collecting system is additive in said output circuit.

2,459,725
PREPARATION OF DI(HYDROXY METHYL) DITHIOBIURET
Russell L. Sperry, Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 6, 1946, Serial No. 714,653
3 Claims. (Cl. 260—552)

1. 1,5 Di(hydroxy methyl) dithiobiuret.

2,459,726
COMPUTING LINKAGE
Antonin Svoboda, Cambridge, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application January 15, 1946, Serial No. 641,345
2 Claims. (Cl. 235—61.5)

1. A mechanical computer for computing the expression

$$Y=\frac{1}{(1+.0402X)^3}$$

comprising a support, a first swinging member pivoted to said support, a second swinging member pivoted to said support, a slide member

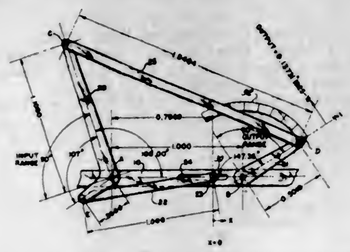
slidably mounted on said support, a first link operatively connecting one end of said second swinging member and said slide member, and a

2,459,728
BULK ICE-CREAM CONTAINER
Hubert B. Tillery, Kansas City, Mo.

2,459,730
MEASURING SYSTEM WITH CAPACITOR HAVING CHARACTERISTICS OF AN IN-

a cable wound thereon, a ball member secured to the end of said cable, a ball clamping device carried by the drawbar of the implement, said

slidably mounted on said support, a first link operatively connecting one end of said second swinging member and said slide member, and a second link operatively connecting said first and



second swinging members, said links and swinging members having the following relative dimensions where the basis of measurement is taken as unity (1):

Length of first swinging member	.5010
Length of second swinging member from the pivot point thereof to one end	.2500
Length of second swing member from the pivot point to the opposite end	1.1080
Angle included lines connecting the pivot point of said second swinging member and the opposite ends thereof	107°
Length of said first link	1.000
Length of said second link	1.9404

the pivot points of said swinging members being so disposed with respect to each other that angular displacement of said first swinging member is proportional to

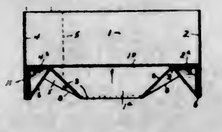
$$\frac{1}{(1+.0402X)^3}$$

where X represents the displacement of said slide member from the zero position thereof.

2,459,727
BULK ICE-CREAM CONTAINER
Hubert B. Tillery, Kansas City, Mo.
Application March 7, 1946, Serial No. 652,624
2 Claims. (Cl. 229—6)

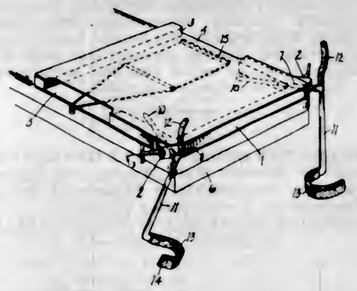
1. In a box of the character described, comprising sides composed of a rectangular strip bent transversely along parallel lines to provide eight faces forming an octagon, said strip also being bent back inwardly along a longitudinal line to provide eight integral faces, alternate ones of which are bent along diagonal lines to provide four isosceles triangular surfaces having their bases along said longitudinal line, constituting "locks," the other four faces being rectangular and being held in bent over positions by said "locks," and a bottom having an octagon form to fit into the octagon when assembled and having downwardly bent-over flaps to rest in the groove formed by said bent over rectangular faces and said "locks."

2,459,728
BULK ICE-CREAM CONTAINER
Hubert B. Tillery, Kansas City, Mo.
Application March 7, 1946, Serial No. 652,625
2 Claims. (Cl. 229—16)



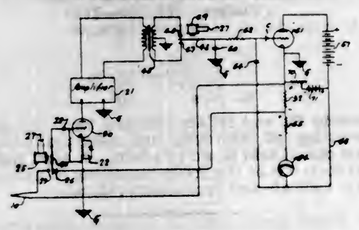
1. A box side-forming blank comprising an uncut rectangular strip divided transversely by parallel spaced-apart bend lines into four faces and a connecting flap and divided longitudinally by a fold line which extends from end to end of the strip parallel to an adjacent edge of the same, said strip having diagonal bend lines adjacent the meeting points of said transverse and longitudinal lines and forming about said points four right angle triangles one side of each of which lies in the adjacent transverse bend line and another side of each of which lies in said longitudinal fold line while the hypotenuse of each triangle connects the adjacent transverse bend line with the longitudinal fold line.

2,459,729
SURGICAL TABLE
Harry T. Treace, Kalamazoo, Mich., assignor to Orthopedic Frame Company, Kalamazoo, Mich.
Application April 22, 1947, Serial No. 742,994
9 Claims. (Cl. 311—11)



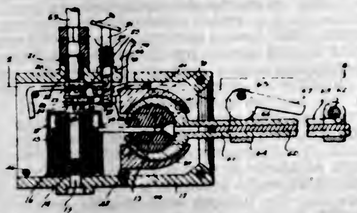
1. A surgical appliance for holding the hips of a patient in fixed position comprising a U-shaped lower frame member having outwardly diverging projections in the lower corners thereof, an upper frame member spaced from the upper end of said lower frame member, a top panel of non-metallic material joining said frame members, a flat bottom panel joining said frame members on the bottom sides thereof and adapted to rest upon a surgical table, said corner projections of said lower frame member defining outwardly diverging bores parallel to the planes of said panels and slots opening to said bores along the bottom surface thereof, shaft members positioned in said bores, screw clamps for drawing the sides of said slots together to clamp said shafts in said bores, and torsion bars secured perpendicularly to the ends of said shafts, said torsion bars having outwardly offset and inwardly curved ends above said shafts and inwardly offset and outwardly opening hook portions on the lower ends thereof.

2,459,730
MEASURING SYSTEM WITH CAPACITOR HAVING CHARACTERISTICS OF AN INFINITE CAPACITY
Albert J. Williams, Jr., Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 30, 1944, Serial No. 542,899
7 Claims. (Cl. 171—95)



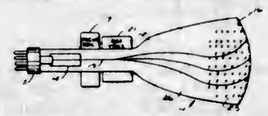
3. A measuring system comprising an input circuit to which there may be applied a direct current electromotive force whose magnitude is to be measured, means for converting said direct current into alternating current, means including an amplifier for amplifying said alternating current, said amplifier having an output circuit, means included in said output circuit for rectifying said alternating current, a direct current amplifier having input and output circuits, means for minimizing residual unbalance in the system comprising an integrating capacitor connected to said input circuit, means for applying said rectified alternating current to said capacitor thereby to vary the charge on said capacitor, means included in both of said last-named input and output circuits and responsive to the output current for varying the potential on one side of said capacitor as its charge is increased or decreased to impart to it the characteristic of an infinite capacity, means in said first-named input circuit for producing in response to said last-named output current an electromotive force of polarity opposite to said applied electromotive force, and means for measuring the magnitude of said last-named output current to obtain an indication of the magnitude of said applied direct current electromotive force.

2,459,731
AUTOMATIC TRACTOR AND IMPLEMENT HITCH
Ralph R. Wymore, Oberlin, Kans.
Application January 23, 1948, Serial No. 3,857
4 Claims. (Cl. 280—33.15)



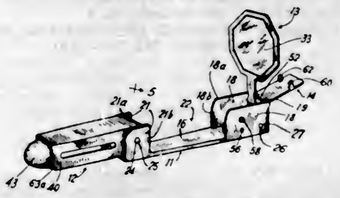
1. A hitching apparatus for connecting a wheeled implement or the like to a tractor, comprising a housing secured to the rear portion of the tractor, a pair of opposing pivoted jaws in said housing, a windlass in said housing having a cable wound thereon, a ball member secured to the end of said cable, a ball clamping device carried by the drawbar of the implement, said ball clamping device fitting between said opposing jaws, a driving member rotatably mounted on said housing, and manually operable clutch means for at times connecting said driving member to said windlass.

2,459,732
ELECTRICAL SYSTEM
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application March 26, 1946, Serial No. 657,175
15 Claims. (Cl. 250—157)



1. In combination with a cathode ray tube having a fluorescent screen, a magnetic structure providing within said tube a plurality of continuous and fixed magnetic fields, one of said fields being of predetermined uniform configuration and being disposed adjacent said fluorescent screen and the other field being of non-uniform configuration, said first field producing a keystone effect at said screen with the horizontal lines bowed and the second field producing a compensation for the bowing of the horizontal lines.

2,459,733
COMBINATION LIP ROUGE APPLICATOR AND MIRROR
Donald Macy, New York, N. Y., assignor of one-half to Samuel B. Ohlbaum, New York, N. Y.
Application July 9, 1945, Serial No. 603,764
7 Claims. (Cl. 132—79)



1. A device of the character described comprising an elongated body, having a bottom wall, and a pair of side walls at its front end, a lip stick applicator pivoted on and between said side walls, spring means to rotate said applicator to a position where it projects forwardly from said body, said applicator being swingable through an angle substantially 180° onto said body, said body being formed with a rear wall and a pair of side walls adjacent said rear wall, a mirror hinged to said last-mentioned pair of side walls about an axis parallel to and spaced from the pivotal axis for said applicator, and spring means to swing said mirror upwardly, said mirror being swingable forwardly against said body, said lip rouge applicator being adapted to overlie said mirror when said mirror is swung down against said body.

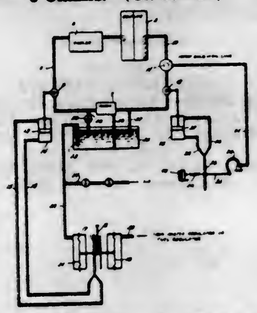
2,459,734
CONTROL FOR HYDRAULIC COUPLINGS
James D. McCracken, Chicago, Ill., assignor to

2,459,736
THIAZYL SULFENAMIDES
George E. P. Smith, Jr., and Edward L. Carr, Akron, Ohio, assignors to The Firestone Tire

vertical adjustable rod having weight receiving means thereon, said depending rods projecting

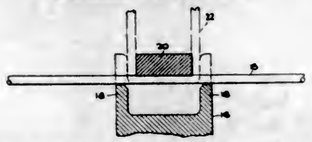
adapted to form vulcanizates having increased blowout resistance, which includes mixing a 0.5 to 10 per cent aqueous solution of a soluble aluminum salt with an aqueous disperaion of a synthetic rubber of the group consisting

2,459,724
CONTROL FOR HYDRAULIC COUPLINGS
James D. McCracken, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1942, Serial No. 456,806
3 Claims. (Cl. 60—54)



1. In combination with a hydraulic coupling having a pipe circuit for supplying and returning the operating fluid, a pump and a cooler in said circuit connected in series with the coupling; a sump carrying the operating fluid into which excess returned fluid is delivered; a supply valve in the circuit between the pump and the cooler; an automatic regulator for said valve having an air bubbling device connected to said sump to operate the regulator in response to variations of air pressure in the air bubbling pipe; and a temperature controlled valve in the fluid return portion of said circuit responsive to the temperature of the returning fluid to control the circulation of fluid through the cooler.

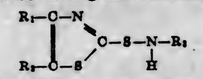
2,459,735
METHOD OF MANUFACTURE OF SNAP HOOKS
Archibald L. McKinnon, St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y.
Application February 5, 1945, Serial No. 576,293
5 Claims. (Cl. 29—148)



1. The method of forming a hook from wire-like stock comprising cutting a length of stock, then cold bending the latter into U-shape by ramming it intermediately of its ends between a concave die and a press block, then cold pressing the extending leg portions of the stock inwardly and around the press block to form the legs to extend outwardly in substantially side-by-side relation having their inner ends substantially in contact and their outer ends slightly spread apart then cold-bending the outer spread ends of the legs reversely to provide a pair of hooked leg formations, then forcing the spread ends of the legs into firm mutual contact by means of a pair of opposed electrodes and then applying an electric current to said electrodes thereby welding the hooked leg ends together while providing beneficial heat treatment of the cold-bent portions of the stock.

2,459,736
THIAZYL SULFENAMIDES
George E. P. Smith, Jr., and Edward L. Carr, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Original application May 26, 1943, Serial No. 488,555. Divided and this application January 23, 1948, Serial No. 4,075
4 Claims. (Cl. 260—302)

4. A substance having the formula,



wherein R_1 and R_2 are selected from the group consisting of hydrogen and alkyl radicals, at least one of said R_1 and R_2 being an alkyl radical, and R_3 is one of the group consisting of hydrogen, alkyl radicals and cyclo-alkyl radicals.

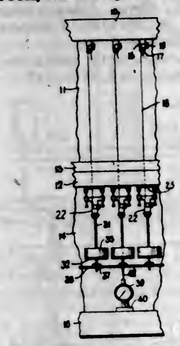
2,459,737
AIRPLANE LANDING GEAR
Raymond W. Allen, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 9, 1943, Serial No. 494,107
3 Claims. (Cl. 305—10)

1. An endless band track of the class described comprising a pliable rubber-like body portion having numerous parallel, longitudinally extending, radially inwardly projecting, endless ribs on the entire inner face of the track, said ribs defining grooves therebetween, said ribs and grooves having a facing of rubberized fabric, vulcanized thereto said body being reinforced across a major portion of its entire width with at least two layers of closely spaced small wire cables, said cables being made up of a plurality of strands of fine wire.

2,459,738
CORD TESTING APPARATUS
Irven B. Prettyman and George P. Bosomworth, Akron, and Duncan C. Milner, Barberton, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 20, 1943, Serial No. 507,218
1 Claim. (Cl. 73—15.4)

A cord testing machine of the class described including means for simultaneously testing a plurality of cords under substantially identical conditions, said means comprising a closed compartment having means for circulation of heated air therethrough and control of humidity therein, a plurality of cord clamping members attached to the top portion of the compartment and a corresponding number of cord clamping members disposed below the floor of said compartment, said clamping members being arranged in pairs of an upper and a lower clamp adapted to anchor the end portions of a cord extending therebetween, the bottom wall of said compartment having small holes therethrough through which holes the lower portion of the cords being tested extend, the clamps disposed below said floor, each comprising two spaced parallel vertical rods upon which a test weight element is slidably mounted, said weight elements each having a depending

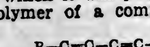
vertical adjustable rod having weight receiving means thereon, said depending rods projecting



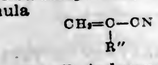
downwardly through a guide plate below said weight receiving means.

2,459,739
ELASTOMERIC COPOLYMER MIXED WITH PHENOL-ALDEHYDE RESIN
Frank J. Groten, Montclair, and Robert J. Reid, Fair Lawn, N. J., assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application April 1, 1944, Serial No. 529,170
2 Claims. (Cl. 260—43)

1. Process which comprises coagulating, from the latex in which it was polymerized, an elastomeric copolymer of a compound having the formula



with from 10% to 75%, based on the total weight of copolymerized compounds, of a compound having the formula

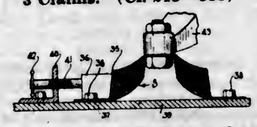


in which formulae R, independently in each occurrence, represents a substituent selected from the group consisting of hydrogen and the methyl radical, R' represents a substituent selected from the group consisting of hydrogen and methyl and chloro radicals, and R'' represents a substituent selected from the group consisting of hydrogen and methyl, ethyl, propyl and chloro radicals, and thereafter directly, without subjection to heat-drying, milling the resultant wet curd with an uncured thermosetting resinous condensate of an aldehyde with a compound selected from the group consisting of phenol, the cresols and mixtures of phenol with a cresol, to yield a homogeneous compound, said resinous condensate being employed to the extent of from 10% to 900%, based on the weight of elastomeric copolymer.

2,459,740
METHOD OF MAKING AND COMPOUNDING SYNTHETIC RUBBER
Robert L. Bebb, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application April 15, 1944, Serial No. 531,299
4 Claims. (Cl. 260—93)

1. A method of making synthetic rubber having improved processing characteristics and adapted to form vulcanizates having increased blowout resistance, which includes mixing a 0.5 to 10 per cent aqueous solution of a soluble aluminum salt with an aqueous dispersion of a synthetic rubber of the group consisting of a rubbery polymer of a butadiene, a rubbery copolymer of butadiene and styrene, and a rubbery copolymer of butadiene and acrylonitrile, and dispersion containing as a dispersing agent a soluble soap selected from the group consisting of sodium oleate and sodium stearate, whereupon the aluminum salt coagulates the synthetic rubber and reacts with the soluble soap to form a reaction product distributed through the synthetic rubber coagulum, thereafter separating the wet coagulum from the aqueous liquor accompanying same and drying the wet coagulum to retain said reaction product uniformly distributed throughout the dried synthetic rubber.

2,459,741
RESILIENT MOUNTING
Le Roy M. Kubaugh, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application October 27, 1942, Serial No. 463,505, now Patent No. 2,367,830, dated January 23, 1945. Divided and this application August 21, 1944, Serial No. 550,449
3 Claims. (Cl. 248—358)



2. In a device of the character described, the combination of a pair of angular elements, one of which is fixed to a supporting structure and the other is slidably positioned thereon, a U-shaped element disposed between said angular elements and in elevated relation thereto, a pair of resilient members extending from the confronting faces of the angular elements to the outwardly presented faces of the U-shaped element and bonded to said faces to provide the sole positioning means for said U-shaped element, means operatively engaging said slidable angular element for adjusting the position thereof to place said resilient members under determinate compressive stress, and means for securing the slidable angular element to the supporting structure in all positions of adjustment thereon.

2,459,742
METAL BONDED BY MEANS OF CHLORINATED RUBBER ADHESIVES CONTAINING A POLYALKYLENE POLYAMINE
Harry P. Bradley, Cuyahoga Falls, and John L. Dum, Akron, Ohio, assignors to The Firestone Tire & Rubber Co., Akron, Ohio, a corporation of Ohio
No Drawing. Application September 20, 1944, Serial No. 555,038
9 Claims. (Cl. 154—130)

1. Process of adhering an elastomer to a metallic substrate which comprises interposing, between said elastomer and substrate, a composition comprising chlorinated rubber and from about 1% to about 5%, based on the weight of chlorinated rubber, of a polyalkylene polyamine having the formula

$$NH_2\text{-}(\text{-}CR_2\text{-}CR_2\text{-}NH\text{-})_s\text{-}CR_2\text{-}CR_2\text{-}NH_2$$

wherein "R," independently in each occurrence

in the expanded formula, represents a substituent chosen from the class consisting of hydrogen, and methyl, ethyl and propyl groups, and "s" is an

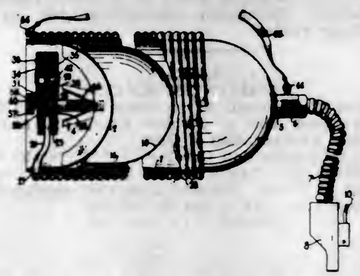
2,459,745
ART OF PROCESSING RUBBER COMPOUND
Herbert H. Waters, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron,

and being provided with a peripheral U flange, there being at least one ply of the fuel-cell material above, at least one other below and at least one other within the U flange, the fitting and

having one end projecting therefrom, and indicating means at the face of the case and movable in accordance with movements of the staff to indicate the lineal distance between the project-

in the expanded formula, represents a substituent chosen from the class consisting of hydrogen, and methyl, ethyl and propyl groups, and "n" is an integer from 1 to 4, and curing the assembly by means of heat.

2,459,743
FIRE EXTINGUISHER
James Edward Trainer and Sterling W. Alderfer, Akron, Ohio, assignors of one-half to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio, and one-half to The Andrews-Alderfer Processing Co. Inc., Akron, Ohio, a corporation of Ohio
Application November 25, 1944, Serial No. 565,168
1 Claim. (Cl. 169—31)

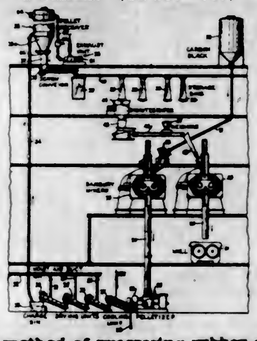


A spray device comprising a cylinder, a discharge orifice at one end of the cylinder, a piston in the cylinder, a tubing wrapped in a plurality of convolutions about the exterior of the cylinder and adapted to hold fluid under pressure, one end of the tubing being sealed, a valve housing in the base of the cylinder, the other end of the tubing being secured in the valve housing, a valve, a trigger to hold said valve in normally closed position but to open it to release the contents of the tubing, a conduit from the valve housing to the interior of the cylinder beneath the piston, and means to close the conduit so as to permit the tubing to be refilled with pressure fluid without filling the cylinder.

2,459,744
ADHESION OF RUBBER TO MAGNESIUM
John Richard Rafter, Sharon, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 18, 1944, Serial No. 568,791
2 Claims. (Cl. 154—130)

2. A method of bonding a rubber to a metal selected from the group consisting of magnesium and its alloys, which includes applying a composition consisting essentially of a polyhydric alcohol acidified by a small percentage of concentrated sulfuric acid to a surface of the metal, baking the metal while a portion of the polyhydric alcohol still remains on the metal surface, applying to the baked surface an adhesive composition comprising a rubber derivative selected from the group consisting of chlorinated rubber, rubber hydrochloride and isomerized rubber, and then vulcanizing a rubber in contact with the treated metal surface.

2,459,745
ART OF PROCESSING RUBBER COMPOUND
Herbert H. Waters, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 8, 1945, Serial No. 581,685
2 Claims. (Cl. 260—767)



1. The method of processing rubber compound which comprises mixing a batch of rubber with primary compounding ingredients in the presence of heat, dividing the batch into discrete free-flowing pellets, applying dust lubricant to the pellets, spraying the pellets with water to cool the pellets, passing a current of air over and about the pellets to dry the same and effecting further cooling thereof, further drying, cooling and transferring the pellets into a storage zone by an air stream, subjecting the pellets to a disintegration operation to break up lumps of mutually adhering pellets which may have formed and subsequently milling the pellets into a single mass and concurrently introducing secondary compounding ingredients thereunto, and then employing the fully compounded material in the manufacture of commodities.

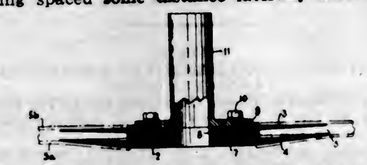
2,459,746
HEAT STABILIZATION OF VINYLIDENE CHLORIDE RESINS
Milton R. Radcliffe, Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application April 9, 1945, Serial No. 587,438
13 Claims. (Cl. 260—86)

1. A composition stable against deterioration by heat in the presence of iron and compounds thereof, said composition comprising mutually incorporated a polymeric vinylidene chloride product, together with from .05% to 2.0%, based on the weight of polymeric vinylidene chloride product, of a stabilizing substance selected from the group consisting of those set forth in Table II hereinabove.

2,459,747
FUEL CELL FITTING
Henry H. Kolbe, Los Angeles, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 25, 1945, Serial No. 595,769
1 Claim. (Cl. 285—38)

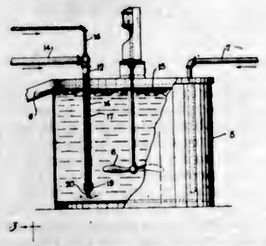
In combination a multi-ply bullet-sealing fuel cell with an opening in one wall thereof, in the opening an oil-resistant synthetic-rubber fitting having an opening therethrough and bolt-securing means embedded therein around the opening

and being provided with a peripheral U flange, there being at least one ply of the fuel-cell material above, at least one other below and at least one other within the U flange, the fitting and fuel-cell plies being vulcanized into a unitary whole, the fuel-cell material above the flange being spaced some distance laterally from the



opening in the fitting so as to provide a seat of the synthetic-rubber material for the placement of an attachment, and on the seat an attachment with an opening therein in register with the opening in the fitting and drawn directly to the fitting by bolts secured in said bolt-securing means without any intervening material between the fitting and the attachment.

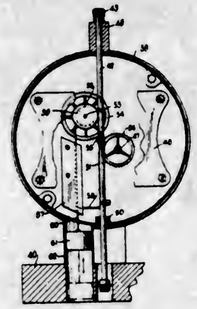
2,459,748
COAGULATION OF SYNTHETIC RUBBER LATEX
Charles Robert Johnson, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 28, 1945, Serial No. 602,123
3 Claims. (Cl. 260—86.5)



1. A continuous method of coagulating a rubbery butadiene-styrene copolymer latex, which comprises mixing the latex with a continuous high velocity stream of air to produce a mixture of latex droplets and air, introducing the latex-air mixture into and beneath the surface of a body of liquid coagulant for the latex consisting essentially of a water solution containing 0.2% to 3% $Al_2(SO_4)_3 \cdot 18H_2O$, separately agitating the body of coagulant as the latex-air mixture is introduced thereinto in order to prevent substantial agglomeration of freshly coagulated latex droplets and to produce copolymer crumbs in readily filterable condition, continuously removing a mixture of the crumbs and aqueous liquid from a region near the top of said body of coagulant, and separating crumbs from said aqueous liquid.

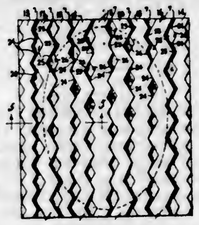
2,459,749
DIAL GAUGE
George P. Bessomwerth, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 29, 1945, Serial No. 602,230
2 Claims. (Cl. 33—147)

2. A dial gauge having a case having a face, a base, a central staff positioned in said case and having one end projecting therefrom, and indicating means at the face of the case and movable in accordance with movements of the staff to indicate the lineal distance between the projecting end of the staff and the base, said staff having rack teeth cut therein, a pinion meshing with said rack teeth, a pivot on which said pinion is fixed to rotate, a drum on said pivot and rotatable



therewith, said drum having connected thereto a fine wire strand, means for guiding said strand as it depends from said drum, a well defined by a sleeve and an opening in the base, said wire strand having a weight attached at its lower end, the said weight being movable vertically in the well but not contacting the sides thereof, said weight acting as a counter-balance for the central staff and its attached parts.

2,459,750
TIRE TREAD
Charles C. Dybvig, Birmingham, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 30, 1945, Serial No. 607,809
3 Claims. (Cl. 152—209)



3. A tire construction comprising a tread portion formed with a plurality of circumferential ribs defining circumferential grooves of varying width, the lateral faces of said ribs being continuously serrated, the sides of the serrations on one side of the ribs forming greater angles with the forward direction of skid than do the sides of the serrations on the confronting sides of the laterally adjacent ribs, the height and width of said ribs relative to the width of said grooves, and the configuration of the lateral sides of said ribs being such that under nominal load in service said ribs distort until their radial outer side portions are in uniformly interrupted lateral abutment.

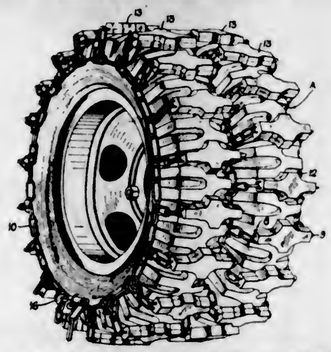
2,459,751
MOLDED RUBBER TRACTION CHAIN

around its opening which extends down into the opening in the fitting adjacent the wall thereof

2,459,755
SEAT CUSHION, MULTIPLE TYPE
Hyland C. Flint, Akron, Ohio, assignor to The

disposed ribs, said ribs extending longitudinally of said ribbon-like material in mutually spaced parallel relation.

2,459,751
MOLDED RUBBER TRACTION CHAIN
Arnold B. Skromme, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 1, 1945, Serial No. 608,215
3 Claims. (Cl. 152—221)

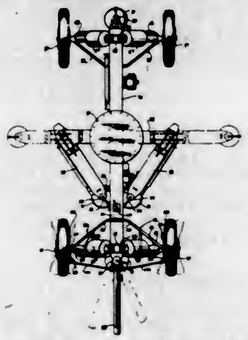


1. A detachable traction device adapted for mounting on a vehicle tire to supplement the tractive resistance of the tire, said device comprising a pair of side chains adapted to encircle the tire in the region of the base of the tread portion, means for detachably connecting the ends of said side chains, and a multiplicity of pliable traction links interconnecting said side chains at equal intervals to engage the tread portion of a tire and to be positioned transversely thereof and maintained in engagement therewith by contractile bias imparted by said side chains, each said traction link comprising an elongate molded element of vulcanized rubber-like composition provided with a metallic multiple-link chain completely embedded and vulcanized therein along the longitudinal axis of said element, said element being provided when undistorted with planate tread contacting and ground engaging surfaces and being thicker between said surfaces than the transverse dimension of the chain links and of a width at least twice the transverse dimension of said chain links.

2,459,752
FUEL-CELL CONSTRUCTION
Robert F. Wilson, San Gabriel, and Antone F. Resnicek, Alhambra, Calif., assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application August 13, 1945, Serial No. 610,564
2 Claims. (Cl. 285—38)

1. In combination with a fuel cell provided with a synthetic-rubber fitting with an opening therethrough and having threaded means embedded therein for the reception of bolts, an attachment with a flange around the bottom thereof seated on the fitting with bolts passing through the flange and into said threaded means in the fitting, the attachment having an opening therethrough in register with the opening in the fitting and being provided with an annular lip around its opening which extends down into the opening in the fitting adjacent the wall thereof at least to the level of the top of said threaded means embedded in the fitting to prevent the synthetic rubber of the fitting bulging into the opening through the fitting when the attachment is drawn to the fitting by the bolts.

2,459,753
STEERING MECHANISM FOR WHEELED LAND VEHICLES
Roy W. Brown, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Original application July 23, 1943, Serial No. 495,947. Divided and this application April 17, 1946, Serial No. 662,816
2 Claims. (Cl. 280—103)



1. In a steering mechanism for wheeled land vehicles the combination of a vehicle frame, a pair of swingable arms pivoted to said frame on respective horizontal axes and projecting to opposite sides of the frame, each of said arms having its free end provided with an axle on which a wheel is mounted, a swiveled bracket disposed on a vertical axis at the front end of said frame, a draught bar pivotally connected to said bracket, and respective steering links pivotally connected at one end to the axle structures and at their other ends to the bracket, the last mentioned connection comprising a vertical pivot pin carried by the bracket structure, a pair of connector elements pivoted on said pin, and horizontally disposed pivotal connections between the steering links and the respective connector elements, the last mentioned pivotal connections being disposed in the same plane as the pivotal connections between the frame and the swingable arms.

2,459,754
PURIFICATION OF PHENOL SULFIDES AND PREPARATION OF METALLIC SALTS THEREOF
Harry E. Albert, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application May 23, 1946, Serial No. 671,908
9 Claims. (Cl. 260—429)

4. The process of purifying a phenol sulfide obtained by reacting a phenol with a sulfur chloride, comprising extracting the phenol sulfide with an aqueous solution of a sulfite of the class consisting of alkali metal sulfites and alkaline earth metal sulfites.

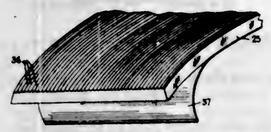
2,459,755
SEAT CUSHION, MULTIPLE TYPE
Hyland C. Flint, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application May 27, 1946, Serial No. 672,372
6 Claims. (Cl. 155—179)

5. In a seat cushion of the character described, the combination of a seat frame, a series of parallel transversely flat upwardly arched spring units each attached at one of its ends to one end of said frame, a similar series of spring units attached to the opposite end of said frame, centrally disposed clips connecting the spring units of one series to respective spring units of the other series, and a centrally disposed pier of yielding material located below said clips and yieldingly opposing downward deflection thereof.

2,459,756
BED STRUCTURE
Hyland C. Flint, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 5, 1946, Serial No. 681,554
6 Claims. (Cl. 5—351)

1. In a bed structure of the character described, the combination of an open rectangular base frame, an open rectangular floating frame positioned above the same, a mattress carried upon said floating frame, and series of pillars of resilient composition interposed between the base frame and floating frame on two opposite sides of said frames, said pillars having their top and bottom faces adhered to the floating frame and base frame respectively, each pillar having a lateral face in abutting relation to a depending portion of the floating frame so as to oppose lateral movement of the latter.

2,459,757
CAMELBACK MATERIAL
Thomas Q. Smith, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 9, 1946, Serial No. 682,201
5 Claims. (Cl. 152—187)



2. An improved tire building material comprising an elongate ribbon-like element of rubber or rubber-like material, said material being at least partially uncured, said ribbon being provided with a planate surface adapted to be applied to a tread surface of a pneumatic tire and an opposite surface adapted to be engaged by a mold, said opposite surface being provided throughout a substantial area thereof with a series of contiguously disposed ribs, said ribs extending longitudinally of said ribbon-like material in mutually spaced parallel relation.

2,459,758
BACK FOR SEATS
Hyland C. Flint, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application July 10, 1946, Serial No. 682,687
3 Claims. (Cl. 155—179)

1. In a seat back of the character described, the combination of a marginal metal supporting frame, and a resilient diaphragm-like structure attached at its margin to said frame, said diaphragm structure comprising a plurality of parallel, transversely extending flat spring units that are free at both ends, plies of textile fabric arranged on opposite sides of the spring units and bonded to the latter and to each other to maintain said spring units fixedly in determinate relation to each other, and layers of resilient foam rubber composition bonded to the respective plies of textile fabric, said diaphragm-like structure including a molded rubber attaching strip bonded to its rear face at the margin thereof, said mounting strip being so shaped as to effect interfitting with the said supporting frame.

2,459,759
N-MONOCHLOROCYCLOHEXYLAMINE
Glen Alliger, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application September 5, 1946, Serial No. 695,051
1 Claim. (Cl. 260—563)
N-monochlorocyclohexylamine.

2,459,760
MANUFACTURE OF 2,3-DICHLORO-BUTADIENE-1,3
Robert T. O'Donnell, Montclair, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application October 17, 1946, Serial No. 703,713
3 Claims. (Cl. 202—57)

2. Process which comprises distilling 2,3-dichlorobutadiene-1,3 through a reflux column, the metallic interior surfaces of which are coated with sodium silicate.

2,459,761
BUTADIENE-STYRENE COPOLYMER TACKIFIED WITH OXIDIZED ISOPRENE POLYMER
Henry F. Palmer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application October 25, 1946, Serial No. 705,817
2 Claims. (Cl. 260—45.5)

1. The method of imparting tack to a rubbery coplymer of butadiene and styrene which comprises incorporating in 75 to 90 parts of the unvulcanized copolymer about 25 to 10 parts of unvulcanized, sticky, oxidized synthetic rubbery copolymer of 75 parts of isoprene and 25 parts of styrene.

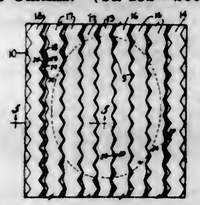
2,459,762
TIRE TREAD
Albert Hargraves, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company,

ticles, sulphuric acid and moisture but free of such contaminations as arsenic and antimony which consists in mixing with said sulphur an acid-neutralizing material chosen from the group

ing a substantially continuous longitudinal corrugation formed therein and cross bolsters disposed transversely of the trailer body and having their ends inserted through the side wall

removed from said connector fitting to which said coupling is to be attached, said coupling

2,459,762
TIRE TREAD
Albert Hargraves, Cuyahoga Falls, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 24, 1946, Serial No. 718,234
5 Claims. (Cl. 152—209)



3. A tire tread construction formed with a plurality of endless circumferential ribs defining intervening grooves, the height and width of said ribs relative to the width of said grooves and the configuration of the lateral faces of said ribs being such that under normal load in service said ribs distort until their radial outer portions make lateral abutment at longitudinal intervals, the lateral faces of said ribs being uniformly and continuously serrated throughout their length, the pitch of the serrations on one side of a said groove being large and twice the pitch of small serrations on the other side of said groove, the teeth of the confronting serrations meshing under load with consecutive large pitch teeth entering alternate notches between the small pitch teeth, the altitude of the triangles forming the teeth of the large serrations relative to the depth of the notches in which they enter being such that when the tread is under load the apices of the teeth of said large serrations abut against the bottom of the notches they enter leaving the portions of said grooves between the said abutting portions unclosed forming recesses with their radially outward open ends exposed to the road surface when said tread is under load in service.

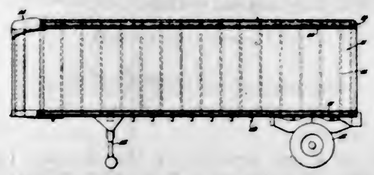
2,459,763
MANUFACTURE OF RUBBER PRODUCTS
Mark M. Heywood, Twickenham, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
No Drawing. Application November 15, 1947, Serial No. 786,329. In Great Britain March 26, 1943
Section 1, Public Law 690, August 8, 1946
15 Claims. (Cl. 260—79)

1. Method of vulcanizing a substance of the group consisting of natural rubber, reclaimed rubber and synthetic rubbery conjugated diolefin polymers, which includes heating the substance and sulfur in the presence of a thiazole accelerator and an activator of the class consisting of cyclohexylammonium and dicyclohexylammonium salts of a cresol.

2,459,764
PURIFICATION OF NATIVE SULFUR
Frank M. Yelser, Buffalo, N. Y., assignor, by mesne assignments, to Niagara Research Corporation, Buffalo, N. Y.
No Drawing. Application June 14, 1945, Serial No. 599,519
2 Claims. (Cl. 23—224)

1. A method of purifying raw native sulphur containing contaminations including dirt particles, sulphuric acid and moisture but free of such contaminations as arsenic and antimony which consists in mixing with said sulphur an acid-neutralizing material chosen from the group consisting of oxygenous compounds of calcium and barium, the chosen material being added in a state in which it is capable of combining with sulphuric acid and moisture contaminations in the sulphur with the production of products which are insoluble in molten sulphur, the quantity of material which is added being in substantial excess over the quantity required for combination with said acid and moisture contaminants and thereupon conducting the sulphur in a molten state through a filter consisting in part at least of an acid-reactant metal whereby the sulphur contaminations and the added neutralizing material in combined and uncombined state are removed from the molten sulphur conducting said contaminated sulphur.

2,459,765
TRAILER BODY SIDE WALL CONSTRUCTION
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, a corporation of Delaware
Application April 13, 1944, Serial No. 530,851
3 Claims. (Cl. 296—28)



3. In a body for trailers or the like, a side wall formed from a laminated plastic sheet, said wall having relatively closely spaced inwardly projected corrugations formed therein, reinforcing elements inserted in the corrugations between the laminations of the sheets, a reinforcing panel member secured to the inner faces of the corrugations, and flooring members supported in relation to said side wall, said flooring members notched out so as to fit around the corrugations and said reinforcing panel counter-sunk at its lower end into said flooring.

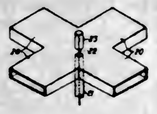
2,459,766
TRAILER BODY CONSTRUCTION
James J. Black, Cincinnati, Ohio, assignor to The Trailmobile Company, a corporation of Delaware
Application April 13, 1944, Serial No. 530,852
5 Claims. (Cl. 296—28)

1. In trailer body construction, a side wall substantially formed from a unitary corrugated plastic sheet extending for the entire height of the wall, said sheet having apertures in the lower edge thereof at spaced points along its length, a rail member extending along the lower edge of the wall on the outer surface thereof and concealing the apertures, said rail member having a substantially continuous longitudinal corrugation formed therein and cross bolsters disposed transversely of the trailer body and having their ends inserted through the side wall apertures and secured to the inner surface of the rail member corrugation.

2,459,767
MANUFACTURE OF CHLOROFLUORO METHANES
John D. Calfee, Manhasset, N. Y., and Lee B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application March 19, 1946, Serial No. 655,597
11 Claims. (Cl. 260—653)

9. The process which comprises heating at least monochlorinated ethylidene fluoride at temperature not less than 550° C. and not more than 950° C. in the presence of at least sufficient chlorine to form dichlorodifluoromethane.

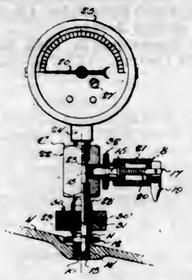
2,459,768
APPARATUS FOR THE RADIATION OR RECEPTION OF ELECTROMAGNETIC WAVES
Edward Cecil Cork and Michael Bowman-Manifold, Ealing, London, England, assignors to Electric & Musical Industries Limited, Hayes, England, a company of Great Britain
Application May 19, 1944, Serial No. 536,324
In Great Britain May 21, 1943
6 Claims. (Cl. 250—33.63)



1. Apparatus for the radiation of electromagnetic waves comprising a plurality of radiating elements each in the form of a tubular conductor having dimensions in a plane lying transversely of said conductor which in one direction are small compared with those in a direction perpendicular thereto, said radiating elements being radially arranged so that said waves will be radiated by said apparatus substantially uniformly in all directions in a plane and each of said radiating elements being energized by an energizing element including a portion of the inner conductor of a coaxial line disposed substantially at the center of the radially-arranged radiating elements, the outer conductor of said coaxial line being connected to said tubular conductors.

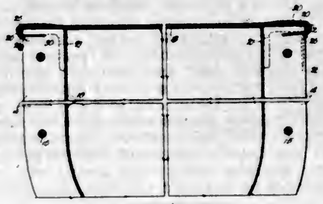
2,459,769
APPARATUS FOR TESTING PRESSURE GAUGES
William Eck, Manitowoc, Wis., assignor to Wisconsin Aluminum Foundry Company, Manitowoc, Wis., a corporation of Wisconsin
Application April 21, 1945, Serial No. 589,599
1 Claim. (Cl. 73—4)

An apparatus for testing a pressure indicator gauge on a pressure cooker without removing the same from the cooker comprising, a coupling for attachment to a valve connector fitting provided on said pressure cooker independent of the cooker gauge, a master pressure indicator gauge carried by said coupling, and an adapter fitting attached to said coupling for receiving the valve removed from said connector fitting to which said coupling is to be attached, said coupling



being provided with an orifice to release pressure within the cooker upon initial loosening of said coupling.

2,459,770
CONVEYER COVER CLAMPING AND DUST-SEALING MEANS
Edward P. Escher, Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind., a corporation of Illinois
Application September 6, 1945, Serial No. 614,761
2 Claims. (Cl. 198—213)



2. Clamping and dust-sealing means for the removable cover plates of conveyor troughs having outwardly projecting flanges at their top edges, comprising U-shaped edging bands or strips removably fitted over the outer margins of said trough flanges and cover plates, and a normally curved and bow-shaped spring metal clamping strip having hook terminals for releasable engagement with said edging bands or strips at the opposite sides of the trough, with the intermediate or main body portion of said clamping strip in flattened clamping engagement with the upper face of the cover plates thereby holding said plates in cover position with said edging strips in sealing relation to the outer edges of said cover plates and trough flanges.

2,459,771
PHTHALOCYANINE SULFONAMIDO-PYRIDINES
Arthur L. Fox, Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,513
2 Claims. (Cl. 260—314.5)

1. Copper phthalocyanine containing attached to the phenylene nuclei between three and four sulfonamidopyridine groups.

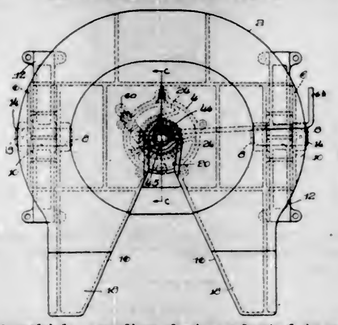
2,459,772
FIFTH WHEEL
Edmund P. Kinne, Alliance, Ohio, assignor to

penser, a water cooling unit below the dispenser, a drain fitting below the water cooling unit, an inlet connection for water to the cooling unit, a

pressed between said plate and said inboard wall for urging said plate into frictional engagement

oxy-6,9-dichloroacridine used; treating the reaction mixture with sodium hydroxide and water in amounts sufficient to produce an alkaline

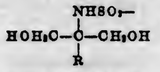
2,459,772
FIFTH WHEEL
Edmund P. Kinne, Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application September 25, 1944, Serial No. 555,679
24 Claims. (Cl. 280—33.05)



1. A vehicle coupling device adapted to coact with a draft pin comprising a housing having a cylindrical inner surface, a cylindrical member within said housing in engagement with said surface, said housing and said member having aligned openings centrally thereof with parallel passages extending radially therein for guiding said pin, said member having a portion in the opening thereof received within a groove around said pin, spring means for rotating said member to lock said pin with said device, and means associated with said member and housing and extending therethrough and into said groove for holding said member in a lockset position whereby said pin may be uncoupled from said members, said holding means being released from its engagement with said member upon movement of said pin into engagement therewith during coupling whereby said spring means will rotate said member to lock said pin with said device.

2,459,773
PHTHALOCYANINE POLYHYDROXYALKYLSULFONAMIDES
Raymond Lemuel Mayhew, Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1945, Serial No. 604,512
3 Claims. (Cl. 260—314.5)

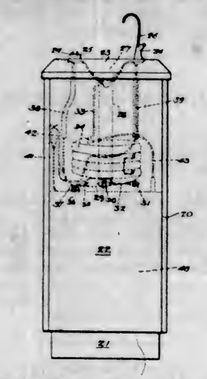
1. A copper phthalocyanine of the benzene series having attached to the phenylene nuclei up to four polyhydroxy sulfonamide groups of the formula:



wherein R is a member selected from the group consisting of methyl, ethyl and —CH_2OH.

2,459,774
WATER COOLER WITH A DRAIN ARRANGEMENT
Samuel O. Morrison, Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del., a corporation of Delaware
Application June 26, 1946, Serial No. 679,505
4 Claims. (Cl. 62—141)

1. In a water cooler, a drinking water dispenser, a water cooling unit below the dispenser, a drain fitting below the water cooling unit, an inlet connection for water to the cooling unit, a



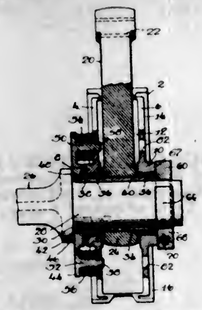
connection leading from the bottom of the cooling unit downward to the drain fitting and a connection leading upward from the drain fitting to the dispenser.

2,459,775
PROCESS OF ALKYLATION IN THE PRESENCE OF A DOUBLE FLUORIDE CATALYST
Herbert J. Passino, Englewood, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application January 8, 1943, Serial No. 471,777
14 Claims. (Cl. 260—683.4)

3. A method for catalytically reacting an olefin hydrocarbon with an alkylatable non-olefin hydrocarbon which comprises contacting such reactants with each other under alkylating conditions of temperature, pressure, and space velocity in the presence of catalytic material comprising a compound of hydrogen fluoride and a fluoride selected from the group consisting of the fluorides of the alkali metals, the alkaline earth metals, and ammonium as the principal catalytically active component.

2,459,776
BRAKE HEAD BALANCING DEVICE
Walter L. Schlegel, Jr., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 18, 1945, Serial No. 600,053
25 Claims. (Cl. 188—230)

1. In a brake assembly, a brake head having spaced inboard and outboard walls, a beam provided with a shoulder and having a reduced trunnion end extending through aligned openings in said walls, a spring plate sleeved on said trunnion end in abutment with said shoulder and having spaced lugs extending into complementary openings in said inboard wall, a U-shaped retaining member having the spaced legs thereof receiving said trunnion end therebetween and extending through slots in the sides of said trunnion end, a block between said legs, a bolt and nut assembly extending through aligned openings in said legs and said block to prevent accidental disengagement of said member from said trunnion end, resilient means sleeved over said lugs and compressed between said plate and said inboard wall for urging said plate into frictional engagement with said shoulder and the outboard wall of said head into frictional engagement with said member, and stop lugs formed on said outboard wall

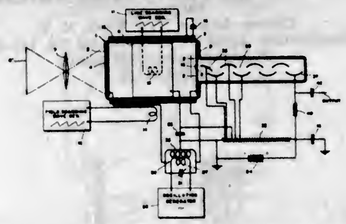


adjacent respective legs of said member, each of said stop lugs having surfaces converging toward the adjacent leg for engagement therewith to limit rotation of said plate and said head on said beam.

2,459,777
PROCESS OF MAKING QUINACRINE
Gail L. Shaw and Reuben G. Jones, Indianapolis, Ind., assignors to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana
No Drawing. Application July 17, 1944, Serial No. 545,410
5 Claims. (Cl. 260—279)

1. The process of producing quinacrine which comprises reacting 2-methoxy-6,9-dichloroacridine and 1-diethylaminoethyl-4-aminopentane in the presence of at least one molecular equivalent of phenol relative to the amount of 2-methoxy-6,9-dichloroacridine used; treating the reaction mixture with sodium hydroxide and water in amounts sufficient to produce an alkaline aqueous layer having a specific gravity outside the range of about 1.062 to about 1.130; and separating the quinacrine as an oil.

2,459,778
IMAGE DISSECTOR
Christian C. Larson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application July 9, 1945, Serial No. 603,981
11 Claims. (Cl. 178—7.2)



8. In a television image dissector tube having an evacuated envelope, a photosensitive cathode mounted in said envelope, an electrode in said envelope spaced from said cathode and provided with a scanning aperture, said electrode having a secondary electron emission ratio of less than unity, a secondary electron emissive surface formed on said electrode adjacent said aperture and facing said cathode, said surface having a secondary electron emission ratio of more than unity and also having an area that is small in comparison with the area of said cathode, and means for impressing an alternating voltage upon said cathode and said electrode.

152,392
DESIGN FOR A PARKING METER CASING
Carl A. Dauchy, Jr., Kansas City, Mo., assignor to Dual Parking Meter Corporation, Kansas City, Mo., a corporation of Missouri
Application August 30, 1947, Serial No. 29,139
Term of patent 7 years

152,394
DESIGN FOR A STOMACH EXERCISER OR SIMILAR ARTICLE
Ralph Dorfman, Chicago, Ill., assignor to Ralph Dorfman Co., Chicago, Ill., a corporation of Illinois
Application August 30, 1947, Serial No. 29,140
Term of patent 7 years

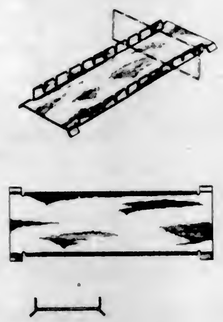
DESIGNS

JANUARY 18, 1949

152,388
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Claude Arpels, New York, N. Y.
Application April 27, 1948, Serial No. 145,987
Term of patent 3½ years
(Cl. D45—19)

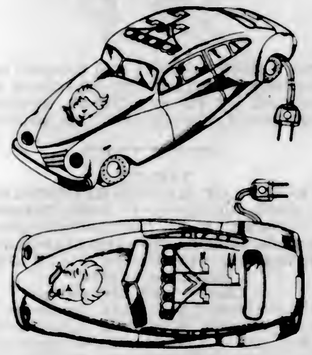
The ornamental design for a brooch or similar article, substantially as shown.

152,389
DESIGN FOR A RACK FOR MICROSCOPIC SLIDES OR SIMILAR ARTICLE
Vivian Ray Bennett, Yucca Valley, near Whitewater, Calif.
Application June 16, 1947, Serial No. 139,715
Term of patent 7 years
(Cl. D57—1)



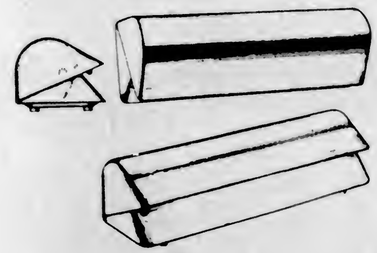
The ornamental design for a rack for microscopic slides or similar article, substantially as shown and described.

152,390
DESIGN FOR A NURSERY LAMP
Edward R. Brenner, Hollywood, Calif.
Application December 31, 1947, Serial No. 143,472
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a nursery lamp, as shown.

152,391
DESIGN FOR A DISPENSER FOR A PAPER ROLL OR THE LIKE
Frank L. Broeren, Neenah, and Archie S. Krueger, Green Bay, Wis., assignors to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin
Application May 7, 1947, Serial No. 138,894
Term of patent 14 years
(Cl. D4—3)

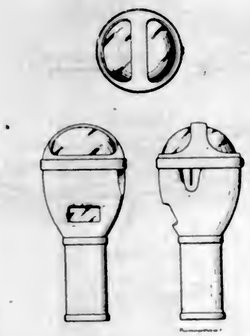


The ornamental design for a dispenser for a paper roll or the like, as shown.

152,396
DESIGN FOR A RING
Gertrude S. Cohen and Emanuel Cohen

152,398
DESIGN FOR A COMBINED BUMPER AND AUTOMOBILE GRILLE

152,392
DESIGN FOR A PARKING METER CASING
Robert F. Broussard, Houston, Tex., assignor to Duncan Meter Corporation, Chicago, Ill., a corporation of Illinois
Application June 27, 1947, Serial No. 139,967
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a parking meter casing, as shown.

152,393
DESIGN FOR A DECANTER OR SIMILAR ARTICLE
John D. Buckingham, Chicago, Ill., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application December 4, 1947, Serial No. 142,951
Term of patent 14 years
(Cl. D58—6)

The ornamental design for a decanter or similar article, as shown.

152,394
DESIGN FOR A STOMACH EXERCISER OR SIMILAR ARTICLE
John J. Ceverha, Chicago, Ill.
Application June 26, 1947, Serial No. 139,932
Term of patent 14 years
(Cl. D63—1)

The ornamental design for a stomach exerciser or similar article, as shown.

152,395
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Michael Chernow, New York, N. Y.
Application April 5, 1948, Serial No. 145,546
Term of patent 14 years
(Cl. D64—12)

The ornamental design for an alphabet for forming monograms or the like, substantially as shown.

152,400
DESIGN FOR AN AUTOMOBILE
Virgil M. Exner, South Bend, Ind., assignor to

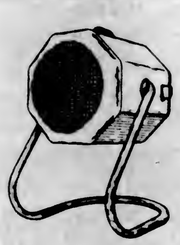
152,402
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., as-

954

152,396
DESIGN FOR A RING
Gertrude S. Cohen and Emanuel Cohen, Newark, N. J.
Application June 27, 1947, Serial No. 139,960
Term of patent 14 years
(Cl. D45—10)

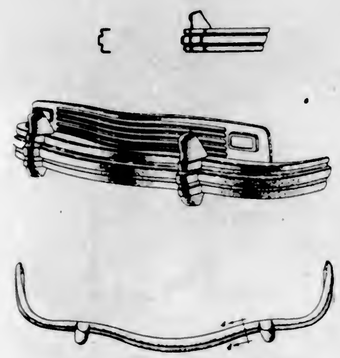
The ornamental design for a ring, as shown.

152,397
DESIGN FOR AN ELECTRIC HEATING RADIATOR
Emile Damond, Paris, France
Application January 24, 1947, Serial No. 136,376
In France January 28, 1946
Term of patent 14 years
(Cl. D81—10)



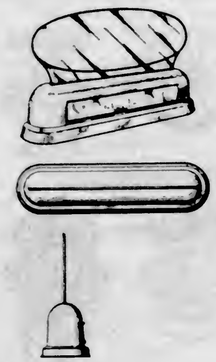
The ornamental design for an electric heating radiator, as shown and described.

152,398
DESIGN FOR A COMBINED BUMPER AND AUTOMOBILE GRILLE
Howard A. Darrin, Hollywood, Calif., assignor, by mesne assignments, to Kaiser-Fraser Corporation, Willow Run, Mich., a corporation of Nevada
Application July 26, 1946, Serial No. 131,956
Term of patent 14 years
(Cl. D14—6)



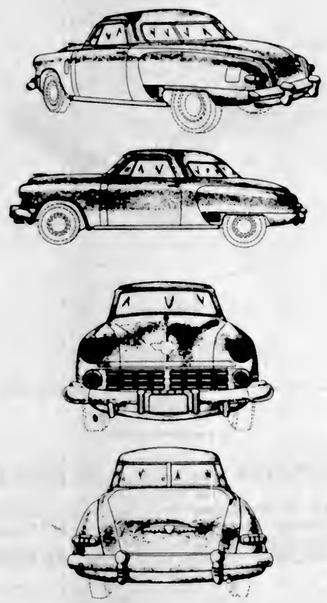
The ornamental design for a combined bumper and automobile grille, substantially as shown.

152,399
DESIGN FOR A COUNTER SIGN
Charles L. Dwinell, Kansas City, Mo.
Application January 19, 1948, Serial No. 143,874
Term of patent 14 years
(Cl. D1—12)



The ornamental design for a counter sign, as shown.

152,400
DESIGN FOR AN AUTOMOBILE
Virgil M. Exner, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application October 10, 1946, Serial No. 133,869
Term of patent 7 years
(Cl. D14—3)



The ornamental design for an automobile, as shown and described.

152,401
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,981
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

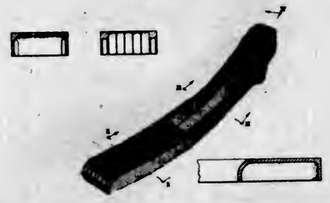
152,402
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,983
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,403
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,984
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,404
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,985
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a phonograph tone arm or the like, as shown.

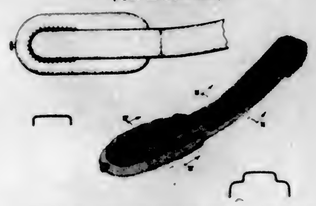
152,405
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE

152,406
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE

152,410
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE

152,412
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE

152,405
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,986
Term of patent 7 years
(Cl. D26—14)

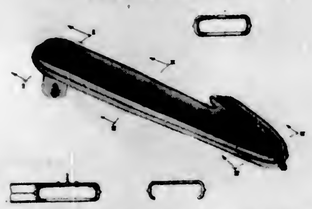


The ornamental design for a phonograph tone arm or the like, as shown.

152,406
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,989
Term of patent 7 years
(Cl. D26—14)

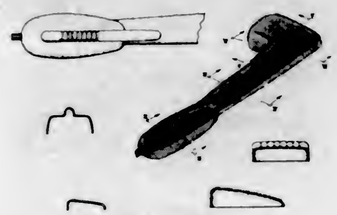
The ornamental design for a phonograph tone arm or the like, as shown.

152,407
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947. Serial No. 137,990
Term of patent 7 years
(Cl. D26—14)



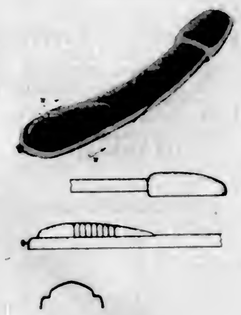
The ornamental design for a phonograph tone arm or the like, as shown.

152,408
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,991
Term of patent 7 years
(Cl. D26—14)



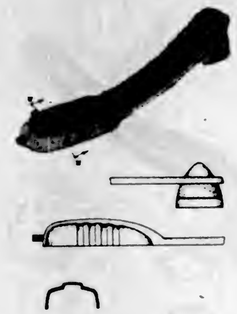
The ornamental design for a phonograph tone arm or the like, as shown.

152,409
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application June 3, 1947, Serial No. 139,437
Term of patent 7 years
(Cl. D26—14)



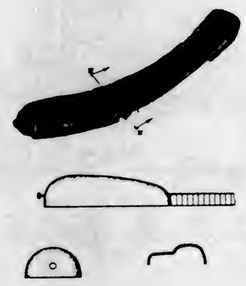
The ornamental design for a phonograph tone arm or the like, as shown.

152,410
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application June 3, 1947, Serial No. 139,438
Term of patent 7 years
(Cl. D26—14)



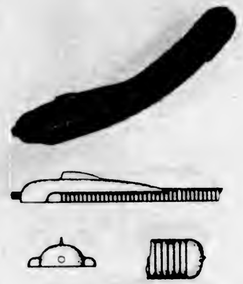
The ornamental design for a phonograph tone arm or the like, as shown.

152,411
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application June 3, 1947, Serial No. 139,439
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a phonograph tone arm or the like, as shown.

152,412
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application June 3, 1947, Serial No. 139,440
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a phonograph tone arm or the like, as shown.

152,413
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application August 29, 1947, Serial No. 141,122
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,414
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,987
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,415
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application March 28, 1947, Serial No. 137,988
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,416
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application June 3, 1947, Serial No. 139,436
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,418
DESIGN FOR A BICYCLE BELL
Wyman N. Hill, East Hampton, Conn., assignor to The N. N. Hill Brass Company, East Hampton, Conn., a corporation of Connecticut
Application November 7, 1947, Serial No. 142,378
Term of patent 7 years
(Cl. D12—1)

The ornamental design for a bicycle bell, as shown.

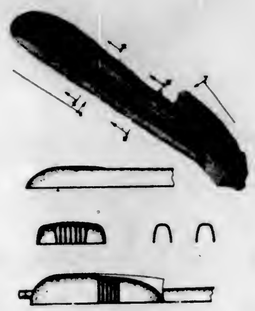
152,419
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,621
Term of patent 3½ years
(Cl. D3—1)

The ornamental design for a jewelry pin, as shown.

152,420
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,622
Term of patent 3½ years
(Cl. D3—1)

The ornamental design for a jewelry pin, as shown.

152,414
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application August 29, 1947, Serial No. 141,123
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a phonograph tone arm or the like, as shown.

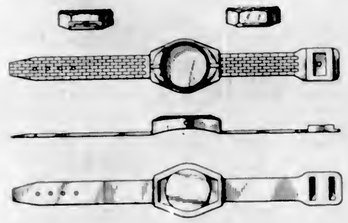
152,415
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application August 29, 1947, Serial No. 141,124
Term of patent 7 years
(Cl. D26—14)

The ornamental design for a phonograph tone arm or the like, as shown.

152,416
DESIGN FOR A PHONOGRAPH TONE ARM OR THE LIKE
Joseph B. Federico, New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio, a corporation of Ohio
Application August 29, 1947, Serial No. 141,125
Term of patent 7 years
(Cl. D26—14)

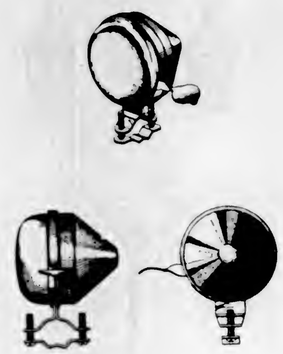
The ornamental design for a phonograph tone arm or the like, as shown.

152,417
DESIGN FOR A COMBINED WRIST WATCH CASE AND BAND
Sheldon B. Glass, Chicago, Ill.
Application April 17, 1948, Serial No. 145,789
Term of patent 14 years
(Cl. D42—8)



The ornamental design for a combined wrist watch case and band, substantially as shown.

152,418
DESIGN FOR A BICYCLE BELL
Wyman N. Hill, East Hampton, Conn., assignor to The N. N. Hill Brass Company, East Hampton, Conn., a corporation of Connecticut
Application November 7, 1947, Serial No. 142,378
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a bicycle bell, substantially as shown and described.

152,419
DESIGN FOR A FLOOR POLISHER
Paul W. Johnson, Toronto, Ontario, Canada
Application May 12, 1948, Serial No. 146,329
Term of patent 3½ years
(Cl. D9—2)

The ornamental design for a floor polisher, as shown.

152,420
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,622
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a jewelry pin, substantially as shown.

152,421
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,623
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a jewelry pin, substantially as shown.

152,422
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,625
Term of patent 3½ years
(Cl. D45—19)

152,424
DESIGN FOR A JEWELRY PENDANT
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,627
Term of patent 3½ years
(Cl. D45—19)

152,426
DESIGN FOR A PLAY HORSE OR SIMILAR ARTICLE
Jack D. Kelly, New York, N. Y.
Application June 28, 1946, Serial No. 131,141
Term of patent 3½ years
(Cl. D21—7)

152,428
DESIGN FOR A COMBINED STORAGE AND SELF-SERVING CABINET
Joseph H. Lazar, Chicago, Ill.
Application November 8, 1946, Serial No. 134,635
Term of patent 7 years
(Cl. D6—1)

152,422
DESIGN FOR A JEWELRY PIN
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,625
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a jewelry pin, substantially as shown.

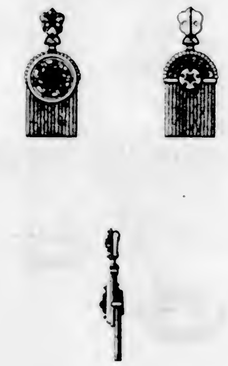
152,423
DESIGN FOR A JEWELRY PENDANT
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,626
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a jewelry pendant, substantially as shown.

152,424
DESIGN FOR A JEWELRY PENDANT
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,627
Term of patent 3½ years
(Cl. D45—19)

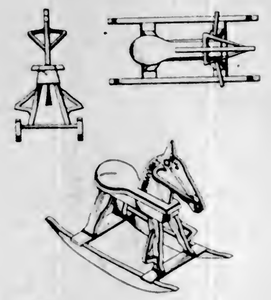
The ornamental design for a jewelry pendant, substantially as shown.

152,425
DESIGN FOR A JEWELRY PENDANT
Daniel Kasoff, Brooklyn, N. Y., assignor to David Grad Company, New York, N. Y., a firm
Application July 16, 1948, Serial No. 147,628
Term of patent 3½ years
(Cl. D45—19)



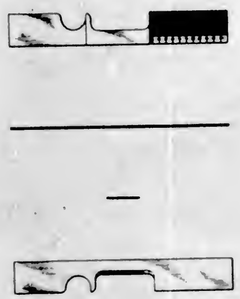
The ornamental design for a jewelry pendant, substantially as shown.

152,426
DESIGN FOR A PLAY HORSE OR SIMILAR ARTICLE
Jack D. Kelly, New York, N. Y.
Application June 28, 1946, Serial No. 131,141
Term of patent 3½ years
(Cl. D34—15)



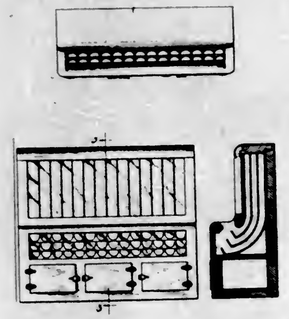
The ornamental design for a play horse or similar article, as shown.

152,427
DESIGN FOR A PUPILLARY MILLIMETER MEASURE
Michael B. Kendis, Kansas City, Mo.
Application May 26, 1947, Serial No. 139,287
Term of patent 7 years
(Cl. D52—1)



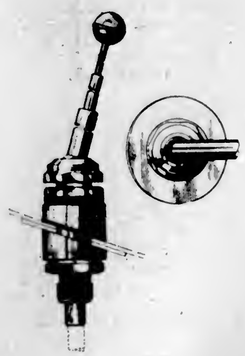
The ornamental design for a pupillary millimeter measure, as shown.

152,428
DESIGN FOR A COMBINED STORAGE AND SELF-SERVING CABINET
Joseph H. Lazar, Chicago, Ill.
Application November 8, 1946, Serial No. 134,635
Term of patent 7 years
(Cl. D80—11)



The ornamental design for a combined storage and self-serving cabinet, substantially as shown.

152,429
DESIGN FOR A COMBINED ANTENNA AND SUPPORT THEREFOR
Sidney Ludwig, Cleveland Heights, and Robert R. Cull, Brecksville, Ohio
Application January 27, 1947, Serial No. 136,457
Term of patent 7 years
(Cl. D14—6)



The ornamental design for a combined antenna and support therefor, as shown and described.

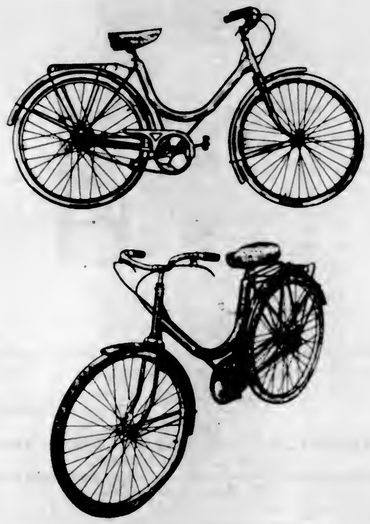
152,430
DESIGN FOR A BICYCLE
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe D'Apparell De Controle & D'Equipement Des Moteurs (S. A. C. E. M.)

152,432
DESIGN FOR A BINOCULAR OR THE LIKE
Willard T. Perkins, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

152,434
DESIGN FOR A COMBINED NECKLACE AND EAR RINGS OR SIMILAR ARTICLE
Madge H. Pizzano and Charles W. Pizzano, Marblehead, Mass.

152,436
DESIGN FOR A DRAPEABLE UMBRELLA
Emanuel Schreck, Forest Hills, N. Y.
Application June 25, 1947, Serial No. 139,902
Term of patent 14 years
(Cl. D88—3)

152,430
DESIGN FOR A BICYCLE
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to Societe D'Appareil De Controle & D'Equipement Des Moteurs (S. A. C. E. M.) S. A., Neuilly-sur-Seine, France, a society of France
Application May 10, 1946, Serial No. 129,587
In France June 15, 1943
Section 1, Public Law 690, August 8, 1946
Term of patent 14 years
(Cl. D90—8)

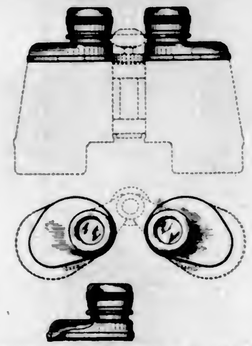


The ornamental design for a bicycle, as shown.

152,431
DESIGN FOR A BOTTLE
Jacob Payne, New York, N. Y.
Application September 12, 1947, Serial No. 141,347
Term of patent 7 years
(Cl. D58—9)

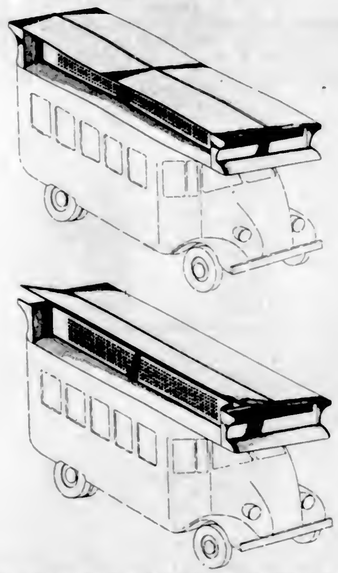
The ornamental design for a bottle, substantially as shown.

152,432
DESIGN FOR A BINOCULAR OR THE LIKE
Willard T. Perkins, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 2, 1947, Serial No. 142,917
Term of patent 14 years
(Cl. D57—1)



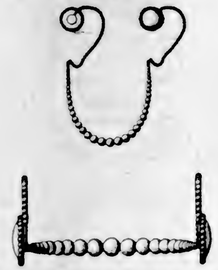
The ornamental design for a binocular or the like, substantially as shown and described.

152,433
DESIGN FOR AN ELECTRIC ADVERTISING SIGN FOR VEHICLES
George McGuire Pierce, Los Angeles, Calif.
Application May 23, 1947, Serial No. 139,248
Term of patent 14 years
(Cl. D14—27)



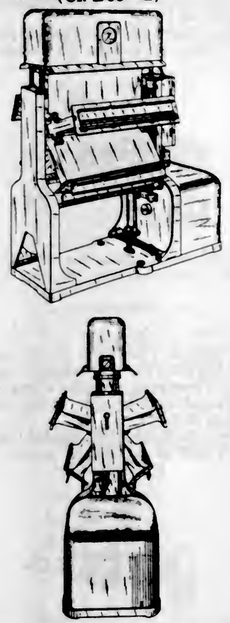
The ornamental design for an electric advertising sign for vehicles, substantially as shown and described.

152,434
DESIGN FOR A COMBINED NECKLACE AND EAR RINGS OR SIMILAR ARTICLE
Madge H. Pizzano and Charles W. Pizzano, Marblehead, Mass.
Application August 8, 1947, Serial No. 140,776
Term of patent 3½ years
(Cl. D45—16)



The ornamental design for a combined necklace and ear rings or similar article, substantially as shown.

152,435
DESIGN FOR A VACUUM PACKAGING MACHINE
Theodor M. Reimers, Chicago, Ill., assignor to Standard Cap and Seal Corporation, Chicago, Ill., a corporation of Virginia
Application May 26, 1947, Serial No. 139,292
Term of patent 7 years
(Cl. D55—1)

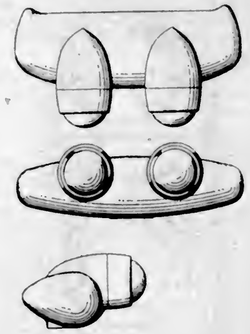


The ornamental design for a vacuum packaging machine, substantially as shown and described.

152,436
DESIGN FOR A DRAPEABLE UMBRELLA
Emanuel Schreck, Forest Hills, N. Y.
Application June 25, 1947, Serial No. 139,902
Term of patent 14 years
(Cl. D88—3)

The ornamental design for a drapeable umbrella, substantially as shown and described.

152,437
DESIGN FOR A HEADLIGHT CLUSTER FOR BICYCLE
Viktor Schreckengost, Cleveland Heights, Ohio, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 10, 1947, Serial No. 141,287
Term of patent 7 years
(Cl. D48—32)



The ornamental design for a headlight cluster for bicycle, substantially as shown.

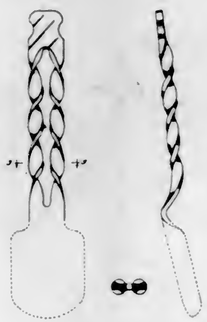
152,438
DESIGN FOR A SPOON OR ARTICLE OF

152,440
DESIGN FOR AN ASH TRAY

152,443
DESIGN FOR A FONT OF TYPE

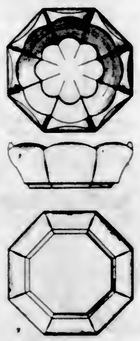
152,444
DESIGN FOR A BOAT
Clyde A. Ward, San Francisco, Calif.

152,438
DESIGN FOR A SPOON OR ARTICLE OF SIMILAR NATURE
Fred J. Skrastin, Jr., Butte, Mont.
Application January 30, 1948, Serial No. 144,182
Term of patent 7 years
(Cl. D44—29)



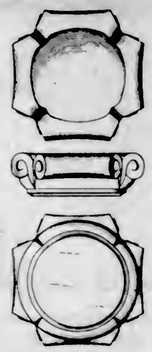
The ornamental design for a spoon or article of similar nature, substantially as shown and described.

152,439
DESIGN FOR AN ASH TRAY
Joseph B. Stier, New York, N. Y.
Application January 14, 1948, Serial No. 143,739
Term of patent 7 years
(Cl. D85—2)



The ornamental design for an ash tray, substantially as shown.

152,440
DESIGN FOR AN ASH TRAY
Joseph B. Stier, New York, N. Y.
Application January 14, 1948, Serial No. 143,741
Term of patent 14 years
(Cl. D85—2)

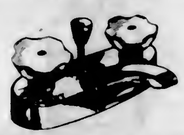


The ornamental design for an ash tray, substantially as shown.

152,441
DESIGN FOR A TUB FILLER WITH TRANSFER UNIT FOR DIVERTING WATER TO SHOWER
Amy Lenore Thomssen, Toledo, Ohio, assignor to Barnes Manufacturing Co., Mansfield, Ohio, a corporation of Ohio
Application April 30, 1947, Serial No. 138,728
Term of patent 14 years
(Cl. D4—3)

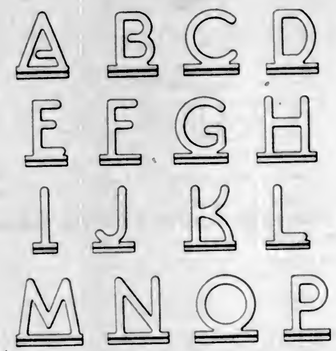
The ornamental design for a tub filler with transfer unit for diverting water to shower, as shown.

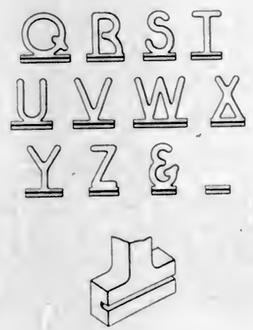
152,442
DESIGN FOR A CENTER SET LAVATORY FAUCET WITH POP-UP DRAIN CONTROL
Amy Lenore Thomssen, Toledo, Ohio, assignor to Barnes Manufacturing Co., Mansfield, Ohio, a corporation of Ohio
Application April 30, 1947, Serial No. 138,729
Term of patent 14 years
(Cl. D4—3)



The ornamental design for a center set lavatory faucet with pop-up drain control, as shown.

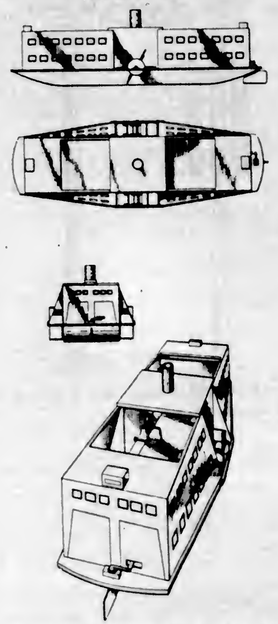
152,443
DESIGN FOR A FONT OF TYPE
John Randall Walker, Flushing, N. Y., assignor to Norcross, Inc., New York, N. Y., a corporation of New York
Application May 24, 1948, Serial No. 146,557
Term of patent 7 years
(Cl. D64—12)





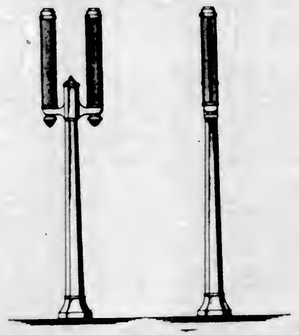
The ornamental design for a font of type, as shown.

152,444
DESIGN FOR A BOAT
Clyde A. Ward, San Francisco, Calif.
Application May 5, 1947, Serial No. 138,819
Term of patent 3½ years
(Cl. D71—1)



The ornamental design for a boat, as shown.

152,445
DESIGN FOR A STREET LIGHTING STANDARD
Alva B. Winters, Golf, Ill., assignor to Revere Electric Manufacturing Co., Chicago, Ill.
Application February 20, 1948, Serial No. 144,626
Term of patent 14 years
(Cl. D48—31)



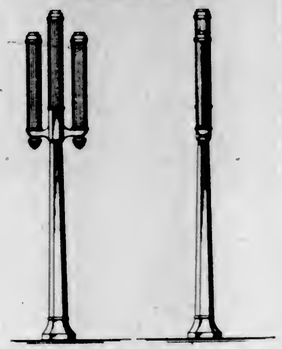
The ornamental design for a street lighting standard, as shown.

152,446
DESIGN FOR A STREET LIGHTING STANDARD

152,447
DESIGN FOR A CUFF LINK
Viola T. Howard, Saylesville, R. I., assignor to

LIST OF TRADE-MARK APPLICANTS

152,446
DESIGN FOR A STREET LIGHTING STANDARD
Alva B. Winters, Golf, Ill., assignor to Revere Electric Manufacturing Co., Chicago, Ill.
Application February 20, 1948, Serial No. 144,627
Term of patent 14 years
(Cl. D48—31)



The ornamental design for a street lighting standard, as shown.

152,447
DESIGN FOR A CUFF LINK
Viola T. Howard, Saylesville, R. I., assignor to Swank, Inc., a corporation of Delaware
Application December 16, 1948, Serial No. 150,189
Term of patent 14 years
(Cl. D17—7)

The ornamental design for a cuff link, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

A-1 Beverage Corp., Philadelphia, Pa. Maltless soft drink. Serial No. 522,422, Jan. 18. Class 45.
Acme Glove Corporation, Gloversville, N. Y. Ladies' gloves. Serial No. 494,766, Jan. 18. Class 39.
Ajax Electric Company, Inc., Philadelphia, Pa. Electric furnaces. Serial No. 499,185, Jan. 18. Class 21.
Aktiebolaget Svenska Dentalinstrument, Stockholm, Sweden. Dental alloys, dental cements, dental root fillings, etc. Serial No. 489,194, Jan. 18. Class 44.
Aladdin Sales Co., New York, N. Y. Toy plastic balloons, and toy bubble-forming liquids and pastes. Serial No. 541,796, Jan. 18. Class 22.
Allied Chemical & Dye Corporation, New York, N. Y. Aqueous sulfuric acid solutions. Serial No. 554,460, Jan. 18. Class 6.
Almo Sales Corporation, The, Stratford, Conn. Mechanical pencils and fountain pens. Serial No. 537,779, Jan. 18. Class 37.
Almo Sales Corporation, The, Stratford, Conn. Mechanical pencils and fountain pens. Serial No. 540,608, Jan. 18. Class 37.
American Beverage Corporation, Brooklyn, N. Y. Celery beverage. Serial No. 545,807, Jan. 18. Class 45.
American Brake Shoe Company, New York, N. Y. Friction elements for brakes and clutches, fan belts, radiator hose, etc. Serial No. 520,670, Jan. 18. Class 35.
American Gum Products Company, New York, N. Y. Filling agent used in manufacture of leather. Serial No. 558,985, Jan. 18. Class 6.
American Machinery Corporation, Orlando, Fla. Industrial plant pasteurizers. Serial No. 502,679, Jan. 18. Class 23.
Angel Cream Donut Flour Company: *See*—
Schefcak, Hugo.
Armour and Company, Chicago, Ill. Strings for tennis, badminton and squash rackets. Serial No. 527,767, Jan. 18. Class 22.
Armour and Company, Chicago, Ill. Strings for tennis, badminton and squash rackets. Serial No. 527,870, Jan. 18. Class 22.
Armstrong Paint & Varnish Works, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Stove polish. Serial Nos. 539,620–1, Jan. 18. Class 4.
Armstrong Paint & Varnish Works, doing business as Nickel Plate Stove Polish Company, Chicago, Ill. Soap. Serial No. 539,622, Jan. 18. Class 4.
Atlanta Milling Company, Atlanta, Ga. Self-rising flour, wheat flour and feeds. Serial No. 531,640, Jan. 18. Class 46.
Atlas Supply Company, Newark, N. J. Rubber tires. Serial No. 552,631, Jan. 18. Class 35.
Backer, Alexander, doing business as Alexander Backer Company, Brooklyn, N. Y. Art ware. Serial No. 538,230, Jan. 18. Class 50.
Backer, Alexander, Company: *See*—
Backer, Alexander.
Baker Castor Oil Company, The, Bayonne, N. J., and New York, N. Y. Substantially saturated fatty acid esters. Serial No. 520,677, Jan. 18. Class 6.
Ball, F. M., & Company, Oakland, Calif. Canned fruits. Serial No. 540,628, Jan. 18. Class 46.
Banner, A., Inc., New York, N. Y. Ladies' handbags. Serial No. 555,795, Jan. 18. Class 3.
Beautymasters of Beverly Hills, Inc., Milwaukee, Wis. Lipsticks, eyebrow pencils, mascara, etc. Serial No. 550,294, Jan. 18. Class 6.
Bell & Gossett Company, Morton Grove, Ill. Heat exchangers, water heaters, expansion tanks, etc. Serial No. 493,911, Jan. 18. Class 34.
Ben-Gee Products, Inc., Chicago, Ill. Foods and ingredients of foods. Serial No. 515,651, Jan. 18. Class 46.
Benua, Albert R., Westerville, Ohio. Breeding of registered cattle, and in the breeding of cocker spaniels, such breeding including the letting of animals for stud. Serial No. 542,513, Jan. 18. Class 55.
Berdan, John T., doing business as Drought Products, La Mirada, Calif. Insecticidal chemical. Serial No. 549,138, Jan. 18. Class 6.
Blu Bru Company: *See*—
Wilhelm, Warner F.
Bol, Ltd., New York, N. Y. Bottles and cans. Serial No. 489,644, Jan. 18. Class 2.
Bond, Charles, Company, Philadelphia, Pa. Shaft couplings. Serial Nos. 536,039–40, Jan. 18. Class 23.
Bowman Dairy Company, Chicago, Ill. Fluid milk and cream. Serial No. 529,350, Jan. 18. Class 46.
Brammer, H., & Company Limited, Leeds, England. Laminated driving belts. Serial No. 501,561, Jan. 18. Class 35.
Brandwein, A., & Company, Chicago, Ill. Sofa beds. Serial No. 523,053, Jan. 18. Class 32.
Bristol Laboratories, Inc., Syracuse, N. Y. Tonic preparation. Serial No. 541,505, Jan. 18. Class 6.
Bristol Laboratories Inc., Syracuse, N. Y. Folic acid parenteral product. Serial No. 541,506, Jan. 18. Class 6.
Budda Aero Castings, Incorporated, Canaan, Conn. Metal castings. Serial No. 491,311, Jan. 18. Class 14.
Burberrys Limited, London, England. Clothing. Serial No. 539,645, Jan. 18. Class 39.
Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. Serial No. 541,077, Jan. 18. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Piece goods, bedspreads, draperies, etc. Serial Nos. 541,080–1, Jan. 18. Class 42.
Burrus Mill and Elevator Co.: *See*—
Tex-O-Kan Flour Mills Co.
Campen, John S., Fort Lauderdale, Fla. Board game. Serial No. 548,635, Jan. 18. Class 22.
Canepa, John B., Company, The, Chicago, Ill. Macaroni, spaghetti, vermicelli, etc. Serial No. 539,850, Jan. 18. Class 46.
Capper-Harman-Slocum, Inc., Cleveland, Ohio. Bimonthly publication. Serial No. 528,429, Jan. 18. Class 38.
Capper-Harman-Slocum, Inc., Cleveland, Ohio. Bimonthly publication. Serial No. 528,691, Jan. 18. Class 38.
Carah-Carah Cosmetic Co.: *See*—
Seric, Ivan.
Carnan Company: *See*—
Hemphill, Edward C.
Carter, R. J. S., Minneapolis, Minn. Balls of synthetic rubber or other resilient material. Serial No. 521,621, Jan. 18. Class 4.
Central Coast Marketing Association, Inc., Watsonville, Calif. Fresh vegetables. Serial No. 542,807, Jan. 18. Class 46.
Chance, A. B., Company, Centralia, Mo. Earth anchors, guy rods, guy fixtures, etc. Serial No. 536,235, Jan. 18. Class 13.
Chicago Carton Company, Chicago, Ill. Boxes. Serial No. 528,012, Jan. 18. Class 2.
China & Glass Distributors, Inc., New York, N. Y. Chinaware, pottery, crockery, etc. Serial No. 528,769, Jan. 18. Class 30.
Cincinnati Cotton Products Company, The, Cincinnati, Ohio. Shroud cloths. Serial No. 537,872, Jan. 18. Class 42.
Cleveland Dental Manufacturing Company, The, Cleveland, Ohio. Liquid in which dental instruments are bathed for cleansing the same. Serial No. 532,391, Jan. 18. Class 4.
Clover Farm Stores Corporation, Cleveland, Ohio. Toothpicks. Serial No. 553,075, Jan. 18. Class 44.
Commerce Clearing House, Inc., Chicago, Ill. Publication devoted to the law and issued annually. Serial No. 522,699, Jan. 18. Class 38.
Commercial Importing Co., Seattle, Wash. Coffee, tea, food flavoring extracts, etc. Serial No. 539,495, Jan. 18. Class 46.
Cook, Ralph L., Medford, Oreg. Fresh pears. Serial No. 520,932, Jan. 18. Class 46.
Coppus Engineering Corporation, Worcester, Mass. Gas burners, oil burners, and combination gas and oil burners. Serial No. 531,576, Jan. 18. Class 34.
Cortley Curtain Corporation, New York, N. Y. Window curtains. Serial No. 560,819, Jan. 18. Class 42.
Crawford Manufacturing Co., Inc., Richmond, Va. Slip cover material. Serial No. 550,219, Jan. 18. Class 42.
Crown Cork & Seal Company, Inc., Baltimore, Md. Packing-lined metallic and non-metallic caps. Serial No. 543,000, Jan. 18. Class 50.
Crown Zellerbach Corporation, doing business as The National Paper Products Co., and Nata Products Company, San Francisco, Calif. Paper disposable diaper holders. Serial No. 542,010, Jan. 18. Class 39.
Curtis 1000 Inc., St. Paul, Minn. Correspondence and mailing envelopes. Serial No. 534,001, Jan. 18. Class 37.
Curtis 1000 Inc., St. Paul, Minn. Filing envelopes. Serial No. 534,002, Jan. 18. Class 37.
Curtis 1000 Inc., St. Paul, Minn. Mailing and correspondence envelopes. Serial No. 534,003, Jan. 18. Class 37.
Curtis 1000 Inc., St. Paul, Minn. Correspondence envelopes. Serial No. 534,004, Jan. 18. Class 37.
Currer Corporation, New York, N. Y. Hair curlers, eyelash curlers, and refills for eyelash curlers. Serial No. 555,596, Jan. 18. Class 40.
Cutter Laboratories, Berkeley, Calif. Veterinary antiseptic. Serial No. 564,061, Jan. 18. Class 6.
D-String Co.: *See*—
Wilhelm, Warner F.
Dan River Mills, Incorporated, Danville, Va. Cotton piece goods. Serial No. 560,451, Jan. 18. Class 42.
Darling Valve & Manufacturing Company, Williamsport, Pa. Hydrants. Serial No. 535,942, Jan. 18. Class 13.

Darwin, Elizabeth, Hollywood, Calif. Shoulder pads. Serial No. 551,699, Jan. 18. Class 40.
Gernes Garment Company Inc., The, Kansas City, Mo. Misses', ladies', and children's dresses, playsuits, skirts, etc. Serial No. 542,112, Jan. 18. Class 39.

Kirby, Beard & Co. Ltd., Birmingham, England. Hairpins. Serial No. 554,500, Jan. 18. Class 40.
Kramer, J. E., Manufacturing Company, Los Angeles, Calif. Pencil sharpening machines and replaceable cutters therefor. Serial No. 554,501, Jan. 18. Class 40.
Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. Serial No. 523,852, Jan. 18. Class 38.
Norcross, Inc., New York, N. Y. Greeting cards, printed

Darwin, Elizabeth, Hollywood, Calif. Shoulder pads. Serial No. 551,699, Jan. 18. Class 40.
Davison Chemical Corporation, The, Baltimore, Md. Magnesia-silica gel catalyst. Serial No. 529,969, Jan. 18. Class 6.
Davison Chemical Corporation, The, Baltimore, Md. Gel catalyst in spherical form. Serial No. 529,970, Jan. 18. Class 6.
Dayton Laminating Company, West Carrollton, Ohio. Laminated sheet material. Serial No. 520,934, Jan. 18. Class 37.
Deena Products Company, Chicago, Ill. Electric lamps. Serial No. 545,620, Jan. 18. Class 21.
Deere & Company, Moline, Ill. Plow shares and cultivator shovels. Serial No. 530,178, Jan. 18. Class 23.
Dickson-Jenkins Manufacturing Company, Fort Worth, Tex. Western style clothing. Serial No. 547,241, Jan. 18. Class 39.
Diebold, Incorporated, Canton, Ohio. Rotary type visible card filing devices. Serial No. 530,386, Jan. 18. Class 32.
Diebold, Incorporated, Canton, Ohio. Composite guides for card filing equipment. Serial No. 530,390, Jan. 18. Class 37.
Dow Chemical Company, The, by merger from The Dow Chemical Company, Midland, Mich. Cellulose ethers and salts thereof. Serial No. 521,441, Jan. 18. Class 6.
Drought Products: *See*—
Berdan, John T.
Dumari Textile Co., Inc., New York, N. Y. Fabrics in the piece. Serial No. 525,802, Jan. 18. Class 42.
Dun & Bradstreet, Inc., New York, N. Y. Magazine, printed charts, graphs, and tabulations. Serial No. 551,874, Jan. 18. Class 38.
Dun & Bradstreet, Inc., New York, N. Y. Magazine. Serial No. 551,875, Jan. 18. Class 38.
Dyer-Gram Mfg. Co., Inc., Tampa, Fla. Electrical display and advertising signs. Serial No. 526,734, Jan. 18. Class 21.
Dynamatic Corporation, Kenosha, Wis. Electric motors. Serial No. 527,434, Jan. 18. Class 21.
Economics Laboratory, Inc., St. Paul, Minn. Dishwashing compound. Serial No. 538,384, Jan. 18. Class 4.
Eddy Manufacturing Co.: *See*—
Mendonca, Edward E.
Elm Grove Milling Company, Elm Grove, Wis. Feed for domestic animals and fowl. Serial No. 539,864, Jan. 18. Class 46.
Etablissements Vitry-Vaucluse, Societe Responsabilite Limitee, Seine, France. Cognacs and armagnacs. Serial No. 511,186, Jan. 18. Class 49.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Ink pencils and mechanical pencils. Serial No. 539,945, Jan. 18. Class 37.
Falchick Dress Co., Inc., New York, N. Y. Ladies' dresses. Serial No. 506,102, Jan. 18. Class 39.
Fansler, Walter A., doing business as Fuller Pharmaceutical Company, Minneapolis, Minn. Analgesic and sedative. Serial No. 555,399, Jan. 18. Class 6.
Farmers Produce Co., Tripoli, Iowa. Fresh and storage eggs, and dressed poultry, and frozen canned eggs. Serial No. 530,182, Jan. 18. Class 46.
Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.
Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Transparent or translucent plastic films in the nature of piece goods. Serial No. 478,749, Jan. 18. Class 42.
Firth Carpet Company, New York, N. Y. Carpets and rugs. Serial No. 525,816, Jan. 18. Class 42.
Flanser, H., & Son, New York, N. Y. Ruffings, novelty trimmings, and skirt facings. Serial No. 559,014, Jan. 18. Class 40.
Floralife, Incorporated, Chicago, Ill. Wax emulsion. Serial No. 512,772, Jan. 18. Class 6.
Food Machinery and Chemical Corporation: *See*—
Westvaco Chemical Corporation.
Forman, John A., doing business as Philadelphia Soda Fountain Supply, Philadelphia, Pa. Toppings for sundaes. Serial No. 524,242, Jan. 18. Class 46.
Formica Company, The: *See*—
Formica Insulation Company, The.
Formica Insulation Company, The, now by change of name The Formica Company, Cincinnati, Ohio. Laminated impregnated wood. Serial No. 531,323, Jan. 18. Class 12.
French Veneer Manufacturing Co. Inc., Los Angeles, Calif. Silver and metal polishes. Serial No. 514,418, Jan. 18. Class 4.
Friestedt, Arthur A., Chicago, Ill. Apparatus for determining the angular relation between the axes of vehicle wheels. Serial No. 521,010, Jan. 18. Class 26.
Fuller Pharmaceutical Company: *See*—
Fansler, Walter A.
Gantner & Mattern Company, San Francisco, Calif. Men's, women's, and children's swimsuits, coats, jackets, etc. Serial No. 513,175, Jan. 18. Class 39.
Garden of the Setting Sun, Inc., Mecca, Calif. Fresh dates. Serial No. 529,760, Jan. 18. Class 46.
Gauley, Hugh J., San Francisco, Calif. Wheeled cabinet. Serial No. 502,635, Jan. 18. Class 32.
General Abrasive Company, Inc., Niagara Falls, N. Y. Calcined alumina material. Serial No. 554,893, Jan. 18. Class 4.
Gernes Garment Company Inc., The, Kansas City, Mo. Misses', ladies', and children's dresses, playsuits, skirts, etc. Serial No. 542,112, Jan. 18. Class 39.
Gevaert Photo Producten, Antwerp, Belgium. Photographic products. Serial No. 520,503, Jan. 18. Class 26.
Gilbert & Barker Manufacturing Company, West Springfield, Mass. Regulated flow type fluid dispensing pumps. Serial No. 517,475, Jan. 18. Class 23.
Gold Bond Products Company: *See*—
Griffith, Daniel O.
Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. Serial No. 549,728, Jan. 18. Class 42.
Goldinger, Harry, Textile Corporation, Los Angeles, Calif. Fabrics. Serial No. 549,730, Jan. 18. Class 42.
Gold Medal Haarlem Oil Corporation, Jersey City, N. J. Haarlem oil for kidney, liver, bladder, etc. Serial No. 539,311, Jan. 18. Class 6.
Gordon-O'Neill Company, Jersey City, N. J. Whiskey. Serial No. 535,700, Jan. 18. Class 49.
Green's Fuel, Inc., Sarasota, Fla. Liquified petroleum gases. Serial No. 558,650, Jan. 18. Class 6.
Griffith, Daniel O., doing business as Gold Bond Products Company, Terre Haute, Ind. Automobile cleaner. Serial No. 529,459, Jan. 18. Class 4.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Concentrate mixture of apple and grape juices. Serial No. 540,403, Jan. 18. Class 45.
Haas-Miller Corporation, Philadelphia, Pa. Viscous light brown, self-emulsifiable lubricating paste. Serial No. 560,103, Jan. 18. Class 6.
Heller, Herman, New York, N. Y. Men's shorts. Serial No. 542,994, Jan. 18. Class 39.
Hemphill, Edward C., doing business as Carnan Company, San Francisco, Calif. Head warmers. Serial No. 514,473, Jan. 18. Class 39.
Henry Laboratories, Inc., Nashville, Tenn. Douche powder. Serial No. 549,804, Jan. 18. Class 6.
Henson, Jno. W., & Sons, Greenville, Tex. Men's handkerchiefs. Serial No. 494,675, Jan. 18. Class 39.
Hervey Associates, New York, N. Y. Closet accessories. Serial No. 500,082, Jan. 18. Class 2.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 528,042, Jan. 18. Class 4.
Hewitt's Incorporated, Medicine Lodge, Kans. Tire tools. Serial No. 530,310, Jan. 18. Class 23.
Higgins Industries, Inc., assignor to Higgins Resources, Inc., New Orleans, La. Mixture of Portland cement and other materials. Serial No. 500,657, Jan. 18. Class 12.
Higgins Resources, Inc.: *See*—
Higgins Industries, Inc.
Hill, Isabel T., doing business as Proxy Parents, New York, N. Y. Services of supplying part-time companions, etc. Serial No. 539,168, Jan. 18. Class 55.
Hollingsworth & Whitney Company, Boston, Mass. Writing paper, label stock, and converting paper. Serial No. 536,388, Jan. 18. Class 37.
Hollingsworth & Whitney Company, Boston, Mass. Tag and converting papers. Serial No. 536,389, Jan. 18. Class 37.
Hollingsworth & Whitney Company, Boston, Mass. Tag and converting papers. Serial No. 536,393, Jan. 18. Class 37.
Hollingsworth & Whitney Company, Boston, Mass. Wrapping, envelope, and converting paper. Serial No. 536,394, Jan. 18. Class 37.
House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. Serial No. 551,276, Jan. 18. Class 42.
Howe-Lewis, Inc., Los Angeles, Calif. Facial and hand creams, skin lotion, etc. Serial No. 547,454, Jan. 18. Class 6.
Hudnut, Richard, New York, N. Y. Charts. Serial No. 522,863, Jan. 18. Class 38.
Ideal Industries, Inc., Sycamore, Ill. Portable electric industrial vacuum cleaners and blowers. Serial No. 516,483, Jan. 18. Class 21.
Industrial Lacquer and Chemical Corporation, Newark, N. J. Plastic materials adapted to be blown into hollow bodies and used for amusement or toy purposes. Serial No. 541,299, Jan. 18. Class 22.
International Harvester Company, Chicago, Ill. Tractors and parts thereof. Serial No. 536,694, Jan. 18. Class 23.
Jewel Tea Co., Inc., Barrington, Ill. Detergent. Serial No. 555,524, Jan. 18. Class 4.
Joanna Western Mills Company, Chicago, Ill. Window shades and window shade rollers. Serial No. 536,783, Jan. 18. Class 32.
Joanna Western Mills Company, Chicago, Ill. Tag cloth. Serial Nos. 536,808–9, Jan. 18. Class 42.
Joanna Western Mills Company, Chicago, Ill. Label cloth. Serial No. 536,814, Jan. 18. Class 42.
Joanna Western Mills Company, Chicago, Ill. Coated and waterproofed paper. Serial No. 536,816, Jan. 18. Class 37.
Joanna Western Mills Company, Chicago, Ill. Coated and waterproofed cloth. Serial Nos. 536,820–1, Jan. 18. Class 42.
Joseph's S-F-X Shampoo: *See*—
Pecora, Joseph.
Kelly-Springfield Tire Company, The, Cumberland, Md. Tires. Serial No. 553,374, Jan. 18. Class 35.
Kilburn Mill, New Bedford, Mass. Knitted and woven fabrics. Serial No. 560,480, Jan. 18. Class 42.

Kirby, Beard & Co. Ltd., Birmingham, England. Hairpins. Serial No. 554,500, Jan. 18. Class 40.
Kramer, J. R., Manufacturing Company, Los Angeles, Calif. Pencil sharpening machines and replaceable cutters. Serial No. 535,329, Jan. 18. Class 23.
Le Blanc, Gerald J., doing business as Le Blanc Laboratories & Distributing Co., Grand Rapids, Mich. Soap. Serial No. 509,990, Jan. 18. Class 4.
Le Blanc Laboratories & Distributing Co.: *See*—
Le Blanc, Gerald J.
Leccas, Alexander M., Jersey City, N. J. Laxatives. Serial No. 560,028, Jan. 18. Class 6.
Lincoln Electric Company, The, Cleveland, Ohio. Welding wire and metallic welding electrodes. Serial No. 557,050, Jan. 18. Class 14.
Los Angeles Gas Appliance Company, Inc., Los Angeles, Calif. Gas-fueled water heaters. Serial No. 520,288, Jan. 18. Class 34.
Lowe, Joe, Corporation, New York, N. Y. Variegated ice cream and flavoring materials. Serial No. 508,160, Jan. 18. Class 46.
Maffey, Michael A., doing business as The Mara Laboratories, East Newark, N. J. Medicinal preparation. Serial No. 549,740, Jan. 18. Class 6.
Magnavox Company, The, Fort Wayne, Ind. Radio receiving sets and radio phonograph combination sets. Serial No. 532,145, Jan. 18. Class 21.
Maid-O'-Mist, Inc., Chicago, Ill. Automatic humidifiers and automatic air relief valves. Serial No. 530,228, Jan. 18. Class 34.
Mara Laboratories, The: *See*—
Maffey, Michael A.
Markem Machine Company, Keene, N. H. Ink rolls. Serial No. 553,967, Jan. 18. Class 11.
Marquis, A. N., Company, The, Chicago, Ill. Publication in the nature of a directory. Serial No. 545,142, Jan. 18. Class 38.
Marshall Field & Company, Chicago, Ill. Blankets. Serial No. 549,537, Jan. 18. Class 42.
Matthews, W. N., Corporation, St. Louis, Mo. Quick-release portable wire slack pullers, portable, adjustable reel machines, lamp changers, etc. Serial No. 527,130, Jan. 18. Class 23.
Mead Johnson & Company, Evansville, Ind. Specially prepared milk modifier and dietetic product. Serial Nos. 516,613–14, Jan. 18. Class 6.
Mechanical Home Systems, Incorporated, Chicago, Ill. Gas fire units. Serial No. 528,216, Jan. 18. Class 34.
Mendonca, Edward E., doing business as Eddy Manufacturing Co., Hayward, Calif. Christmas tree lighting outfits. Serial No. 524,660, Jan. 18. Class 21.
Michels, Peter J., Inc., Brooklyn, N. Y. Cutlery. Serial No. 532,043, Jan. 18. Class 23.
Midwest Radio Corporation, Cincinnati, Ohio. Radio receiving sets, combination radio receiving sets and phonographs, radio chassis, etc. Serial No. 535,063, Jan. 18. Class 21.
Midwest Utilities Co., Inc., St. Louis, Mo. Trading stamps. Serial No. 554,319, Jan. 18. Class 38.
Milner & Coke Limited, London, England. Non-alcoholic maltless beverages. Serial No. 540,303, Jan. 18. Class 45.
Misdom-Frank Corporation, New York, N. Y. Surgical and dental instruments and supplies. Serial No. 520,409, Jan. 18. Class 44.
Models & Patents Corporation, New York, N. Y. Portable, mechanically operated fire alarms. Serial No. 524,555, Jan. 18. Class 23.
Mosher, L. A., Company, Atlanta, Ga. Verterinary preparations in tablet, liquid and powdered form. Serial No. 537,217, Jan. 18. Class 6.
Munsingwear, Inc., Minneapolis, Minn. Men's, women's, girls' and boys' hosiery, men's, women's, boys' and girls' knit sleeping-wear, etc. Serial No. 535,068, Jan. 18. Class 39.
Murray Hill Books Incorporated, New York, N. Y. Printed textbooks. Serial No. 514,128, Jan. 18. Class 38.
Mystic Foam Corporation, The, Cleveland, Ohio. Dry cleaner. Serial No. 518,553, Jan. 18. Class 4.
Napier Company, The, Meriden, Conn. Pyrophoric pocket and desk-type lighters. Serial No. 540,853, Jan. 18. Class 8.
Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesively coated cloth, adhesively coated cloth and paper laminated, etc. Serial No. 538,948, Jan. 18. Class 5.
Nata Products Company: *See*—
Crown Zellerbach Corporation.
National Geographic Society, Washington, D. C. Exploring and discovering, gathering, compiling and disseminating knowledge of the science of the earth and its life, etc. Serial No. 531,698, Jan. 18. Class 55.
National Paper Products Co., The: *See*—
Crown Zellerbach Corporation.
National Remedy Company, Inc., White Plains, N. Y. Medicinal oil. Serial No. 545,874, Jan. 18. Class 6.
New Jersey Zinc Company, The, New York, N. Y. Zinc oxide. Serial No. 554,690, Jan. 18. Class 6.
Newman, I., & Sons, Incorporated, New Haven, Conn. Corsets. Serial No. 546,021, Jan. 18. Class 39.
Nickel Plate Stove Polish Company: *See*—
Armstrong Paint & Varnish Works.
Nizdorff-Krein Mfg. Co., St. Louis, Mo. Chains. Serial No. 509,788, Jan. 18. Class 13.
Norcross, Inc., New York, N. Y. Greeting cards and printed greeting folders. Serial No. 523,852, Jan. 18. Class 38.
Norcross, Inc., New York, N. Y. Greeting cards, printed greeting folders, calendars, etc. Serial No. 550,820, Jan. 18. Class 38.
Norman Products Company, Columbus, Ohio. Gas conversion burner. Serial No. 508,915, Jan. 18. Class 34.
Nye-Wait Company, Inc., Auburn, N. Y. Textile rugs and carpets. Serial No. 546,144, Jan. 18. Class 42.
Ohio Truss Company, The, Cincinnati, Ohio, now by change of name Surgical Appliance Industries, Inc. Trusses. Serial No. 520,891, Jan. 18. Class 44.
Open Road Publishing Company, The, Boston, Mass. Weekly newspaper. Serial No. 518,313, Jan. 18. Class 38.
Optimus Pharmaceuticals Co., Inc., Taylors, S. C. Vaginal hygiene powder. Serial No. 553,895, Jan. 18. Class 6.
Orefraction Incorporated, Pittsburgh, Pa. Mineral chemicals. Serial No. 525,017, Jan. 18. Class 6.
Oster, John, Manufacturing Company, Racine, Wis. Portable electric hand operated grinders, electric lather dispensing machines, portable electric hand drills, etc. Serial No. 532,863, Jan. 18. Class 21.
Palm, Arnold, doing business as Palm Pharmacal Co., New York, N. Y. Pharmaceutical preparations. Serial No. 554,147, Jan. 18. Class 6.
Palm Pharmacal Co.: *See*—
Palm, Arnold.
Palmer, Mona, Executrix and sole Trustee of The Estate of Russell Palmer, Los Angeles, Calif. Magazine. Serial No. 529,399, Jan. 18. Class 38.
Palmer, Russell, The Estate of: *See*—
Palmer, Mona, Executrix and sole Trustee.
Pancoflim, Inc., Chelsea, Mass. Sheet material of vinyl resin resembling artificial leather. Serial No. 528,952, Jan. 18. Class 50.
Par Soap Company, Oakland, Calif. Detergent cleaning powder. Serial No. 531,238, Jan. 18. Class 4.
Parrott & Co., San Francisco, Calif. Canned fruits and canned vegetables. Serial No. 497,193, Jan. 18. Class 46.
Parrott & Co., San Francisco, Calif. Canned fruits, canned vegetables and canned fish. Serial No. 497,195, Jan. 18. Class 46.
Pease Woodwork Company, Cincinnati, Ohio. Imitation tile board and asphalt slate surface roofing. Serial No. 542,343, Jan. 18. Class 12.
Pecora, Joseph, doing business as Joseph's S-F-X Shampoo, Buffalo, N. Y. Hair shampoo. Serial No. 559,047, Jan. 18. Class 6.
Pennsylvania Manufacturing Co., The, Brooklyn, N. Y. Pocket book and hand bag frames. Serial No. 510,107, Jan. 18. Class 3.
Philadelphia Soda Fountain Supply: *See*—
Forman, John A.
Poloron Products, Inc., New Rochelle, N. Y. Insulated picnic boxes. Serial No. 545,279, Jan. 18. Class 2.
Portland Woolen Mills, Inc., Portland, Oreg. Blankets. Serial No. 560,420, Jan. 18. Class 42.
Potter, Sheldon E., doing business as Visalia Stock Saddle Co., San Francisco, Calif. Saddles and parts thereof. Serial No. 511,499, Jan. 18. Class 3.
Power Equipment Company: *See*—
Power, Joseph.
Power, Joseph, doing business as Power Equipment Company, Kansas City, Mo. Combination pressure boosters and locking valve. Serial No. 560,917, Jan. 18. Class 19.
Pretty-Scheffer Company, The, Coshocton, Ohio. Stove, sink, floor and bath mats. Serial No. 513,334, Jan. 18. Class 50.
Proxy Parents: *See*—
Hill, Isabel T.
Pure Oil Company, The, Chicago, Ill. Lubricating oils and greases. Serial No. 527,353, Jan. 18. Class 15.
Quaker Petroleum Company, also doing business as The Quaker Petroleum Co., Inc., Omaha, Nebr. Lubricating oils. Serial No. 528,509, Jan. 18. Class 15.
Quaker Petroleum Co., Inc., The: *See*—
Quaker Petroleum Company.
Radio Corporation of America, New York, N. Y. Global radiotelegraph communication service, commercial radiophoto service, program transmission service, etc. Serial No. 548,525, Jan. 18. Class 55.
Radio Corporation of America, New York, N. Y. Global raidotelegraph communication service both land and sea. Serial No. 548,526, Jan. 18. Class 55.
Rajah Company, The, Bloomfield, N. J. Electrical apparatus. Serial No. 539,811, Jan. 18. Class 21.
Reeves Brothers, Inc., New York, N. Y. Piece goods. Serial No. 554,704, Jan. 18. Class 42.
Reginer, T. J., Incorporated, doing business as Weeks Incorporated, Springfield, Mass. Trunks, handbags, suitcases, etc. Serial No. 552,007, Jan. 18. Class 3.
Reichhold Chemicals, Inc., Detroit, Mich. Pigments. Serial No. 554,705, Jan. 18. Class 11.
Reinhardt, Donald S., New York, N. Y. Mouth-pieces and reeds. Serial No. 486,812, Jan. 18. Class 36.
Rhode Island Laboratories, Inc., West Warwick, R. I. Cosmetics. Serial No. 536,836, Jan. 18. Class 6.
Rig Company, The: *See*—
Guy, Ralph I.

Robbins & Myers, Inc., Springfield, Ohio. Electric fans, electric hoists, electric winches, etc. Serial No. 527,899,

Sun Chemical Corporation, New York, N. Y. Anionic surface active organic substantive softener. Serial No.

Watts, Ritter & Co., Huntington, W. Va. Printed cotton cloth in the piece. Serial No. 538,204, Jan. 18. Class 42.

Westvaco Chemical Corporation, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Insecticide. Serial No. 558,975, Jan. 18. Class 6.

Robbins & Myers, Inc., Springfield, Ohio. Electric fans, electric hoists, electric winches, etc. Serial No. 527,899, Jan. 18. Class 21.
Rochester Paper Company, Rochester, Mich. Blotting paper. Serial No. 521,288, Jan. 18. Class 37.
Rosenstein, Ben, New York, N. Y. Women's wash dresses. Serial No. 525,682, Jan. 18. Class 39.
"Roter": *See*—
Van den Baumen, Frederik W. R.
Rudd-Melikian, Inc., Philadelphia, Pa. Beverage vending machines. Serial No. 517,168, Jan. 18. Class 23.
Rust Craft Publishers: *See*—
United Printers and Publishers (Incorporated).
San Fernando Lemon Association, San Fernando, Calif. Fresh citrus fruits. Serial No. 544,466, Jan. 18. Class 46.
Schefcak, Hugo, doing business as Angel Cream Donut Flour Company, Dallas, Tex. Prepared mix of flour, shortening, dry skim milk, etc. Serial No. 521,363, Jan. 18. Class 46.
Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Shoes. Serial No. 503,997, Jan. 18. Class 39.
Schiff Company, The, Columbus, Ohio, now by change of name Shoe Corporation of America. Men's shoes. Serial No. 512,537, Jan. 18. Class 39.
Schnelerson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, panties, pajamas, etc. Serial No. 510,976, Jan. 18. Class 39.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. Serial No. 512,455, Jan. 18. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Antiseptic and medicated foot powders and lotions, balms, and salves. Serial No. 548,418, Jan. 18. Class 6.
Sears, Roebuck and Co., Chicago, Ill. Window curtains, draperies, drapery fabrics, etc. Serial No. 549,583, Jan. 18. Class 42.
Seaside Fisheries Company, Long Beach, Calif. Canned mackerel. Serial No. 529,827, Jan. 18. Class 46.
Seric, Ivan, doing business as Carah-Carah Cosmetic Co., Los Angeles, Calif. Preparation for face beautifier, and rubbing compounds. Serial No. 506,062, Jan. 18. Class 6.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Proteinic preparation. Serial No. 559,737, Jan. 18. Class 6.
Shattuck, Frank G., Company, New York, N. Y. Candies, and cocoa. Serial No. 533,623, Jan. 18. Class 46.
Shoe Corporation of America: *See*—
Schiff Company, The.
Simplex Binder Co., New York, N. Y. Rapid calculating books. Serial No. 551,321, Jan. 18. Class 38.
Smith, Kenneth, Kansas City, Mo. Golf clubs. Serial No. 540,326, Jan. 18. Class 22.
Societe Anonyme, Bienaime, Paris, France. Perfumes, face creams, rouge. Serial No. 547,161, Jan. 18. Class 6.
Southern Heater Corporation, Compton, Calif. Water heaters. Serial No. 532,355, Jan. 18. Class 34.
Southwestern Heater Corporation, Hillsboro, Tex. Gas water heater. Serial No. 515,724, Jan. 18. Class 34.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Footballs. Serial No. 541,035, Jan. 18. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Baseballs, baseball mitts, baseball gloves, etc. Serial No. 541,036, Jan. 18. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls and golf clubs. Serial No. 541,037, Jan. 18. Class 22.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, golf clubs, tennis rackets, etc. Serial No. 541,038, Jan. 18. Class 22.
Spalding, A. G. & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. Serial No. 541,596, Jan. 18. Class 22.
Spaulding China Company, Inc., New York, N. Y. Chinaware. Serial No. 525,696, Jan. 18. Class 30.
Specialty Manufacturing Company, Houston, Tex. Repair kit in the form of a card or a holder containing repair parts for a lighter for gas burners. Serial No. 534,561, Jan. 18. Class 34.
Sprague Electric Company, North Adams, Mass. Electrical capacitors. Serial No. 513,692, Jan. 18. Class 21.
Stadler Fertiliser Company, The: *See*—
Stadler Products Company, The.
Stadler Products Company, The, assignor to The Stadler Fertiliser Company, Cleveland, Ohio. Fertilizer. Serial No. 533,937, Jan. 18. Class 10.
Stationers' Guild of America, Philadelphia, Pa. Zipper brief cases, brief cases. Serial No. 541,372, Jan. 18. Class 3.
Stauffer Chemical Company, San Francisco, Calif. Super phosphate fertilizers. Serial No. 554,435, Jan. 18. Class 10.
Stearns & Foster Company, The, Cincinnati, Ohio. Mattresses. Serial Nos. 541,847–8, Jan. 18. Class 32.
Steck Company, The, Austin, Tex. School books. Serial No. 541,776, Jan. 18. Class 38.
Stephens-Adamson Mfg. Co., Aurora, Ill. Variable gear and belt reducers. Serial No. 523,333, Jan. 18. Class 23.
Stillman & Kagan Inc., New York, N. Y. Misses' and women's lingerie. Serial No. 492,474, Jan. 18. Class 39.
Sugar Shell Corporation, New York, N. Y. Automatic ice cream cone machines and parts thereof. Serial No. 518,704, Jan. 18. Class 23.
Sun Chemical Corporation, New York, N. Y. Anionic surface active organic substantive softener. Serial No. 519,844, Jan. 18. Class 6.
Sun Chemical Corporation, New York, N. Y. Pigment colors. Serial No. 547,169, Jan. 18. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial No. 547,172, Jan. 18. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial Nos. 547,175–6, Jan. 18. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial Nos. 547,194–5, Jan. 18. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial No. 547,198, Jan. 18. Class 11.
Sun Oil Company, Philadelphia, Pa. Non-soluble cutting oil. Serial No. 514,507, Jan. 18. Class 15.
Sun Oil Company, Philadelphia, Pa. Upper cylinder lubricating oil. Serial Nos. 525,978–9, Jan. 18. Class 15.
Surgical Appliance Industries, Inc.: *See*—
Ohio Truss Company, The.
Taylor Bedding Mfg. Co., Taylor, Tex. Upholstered box springs, sofa beds, pillows, and mattresses. Serial No. 545,911, Jan. 18. Class 32.
Taylor Brothers, Inc., Winston-Salem, N. C. Plug, twist, and smoking tobacco. Serial No. 525,438, Jan. 18. Class 17.
Taylor & Sledd, Inc., Richmond, Va. Canned fruits, canned orange juice and canned grapefruit juice, etc. Serial No. 539,235, Jan. 18. Class 46.
Terteling Brothers, Incorporated, Madisonville, Ky. Coal. Serial No. 540,341, Jan. 18. Class 1.
Tewl Lingerie Inc., New York, N. Y. Undergarments. Serial No. 541,717, Jan. 18. Class 39.
Texas Housing Company, Dallas, Tex. Prefabricated houses. Serial No. 544,005, Jan. 18. Class 12.
Tex-O-Kan Flour Mills Co., doing business as Burrus Mill and Elevator Co., Dallas and Fort Worth, Tex. Whole wheat flour, cake flour, pancake flour, etc. Serial No. 492,748, Jan. 18. Class 46.
Thatcher Furnace Company, Garwood, N. J. Domestic coal, gas and oil fired heating furnaces, heating boilers, etc. Serial No. 505,367, Jan. 18. Class 34.
Thomas Publishing Company, New York, N. Y. Periodical. Serial No. 550,460, Jan. 18. Class 38.
Thompson, John J., New York, N. Y. Non-alcoholic non-cereal, maltless beverages. Serial No. 545,560, Jan. 18. Class 45.
Thompson, Marvin R., Inc., Stamford, Conn. Medicinal preparation. Serial No. 554,063, Jan. 18. Class 6.
Thompson, Robert W., Berkeley, Calif. Key guides for control valves for sprinkler systems. Serial No. 516,099, Jan. 18. Class 13.
Tile-Tex Company, The, Chicago Heights, Ill. Plastic wall tile. Serial No. 537,635, Jan. 18. Class 12.
Tom's Scalpade, Inc., Cold Spring, N. Y. Scalp cleanser and hairdressing. Serial No. 508,353, Jan. 18. Class 6.
Topp Oil & Chemical Co., Milwaukee, Wis. Lubricating oil and greases. Serial No. 538,199, Jan. 18. Class 15.
Topper, B. P., Cigar Company, The, McSherrystown, Pa., assignor to Curtis R. Topper, Meriden, Conn. Cigars. Serial No. 527,796, Jan. 18. Class 17.
Topper, Curtis R.: *See*—
Topper, B. P., Cigar Company, The.
Tri-Sulex Corporation, Nashville, Tenn. Heat and sound insulating and protective materials for metals. Serial No. 522,007, Jan. 18. Class 12.
Twin Peaks Food Products Company, Fort Worth, Tex. Bread sandwiches. Serial No. 504,011, Jan. 18. Class 46.
United Distributors, Inc., Boston, Mass. Plastic wall tile and floor tile. Serial No. 524,839, Jan. 18. Class 12.
United Lace & Braid Company, Cranston, R. I. Shoe laces and corset laces. Serial No. 509,745, Jan. 18. Class 40.
United Printers and Publishers (Incorporated), doing business as Rust Craft Publishers, Boston, Mass. Greeting cards. Serial No. 551,921, Jan. 18. Class 38.
U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. Serial No. 460,460, Jan. 18. Class 23.
United States Envelope Company, Springfield, Mass. Merchandise envelopes. Serial No. 524,638, Jan. 18. Class 2.
Universal Mercantile Corp., Newark, N. J. Bridge table pads, chair pads, and table pads. Serial No. 536,176, Jan. 18. Class 32.
Van den Baumen, Frederik W. R., doing business as "Roter," Hilversum, The Netherlands. Tablets for ulcer in the stomach. Serial No. 521,716, Jan. 18. Class 6.
Vanetta Velvet Corporation, New York, N. Y. Pile and flat fabrics. Serial No. 560,668, Jan. 18. Class 42.
Van Pelt and Brown, Incorporated, Richmond, Va. Preparation for the treatment of various types of anemia in tablet form. Serial No. 549,484, Jan. 18. Class 6.
Versal Inc., South Bend, Ind. Shampoo chairs. Serial No. 536,735, Jan. 18. Class 32.
Visalia Stock Saddle Co.: *See*—
Potter, Sheldon E.
Wahl, Martin C., Inc., El Centro, Calif. Fresh vegetables and fresh melons. Serial No. 542,896, Jan. 18. Class 46.
Walterisation Company Limited, The, Croydon, Surrey, England. Chemical solutions. Serial No. 559,968, Jan. 18. Class 6.
Watchtower Bible and Tract Society, Inc., Brooklyn, N. Y. Magazine. Serial No. 542,377, Jan. 18. Class 38.

Watts, Ritter & Co., Huntington, W. Va. Printed cotton cloth in the piece. Serial No. 538,204, Jan. 18. Class 42.
Weeks Incorporated: *See*—
Reginer, T. J., Incorporated.
Wesson Oil & Snowdrift Co., Inc., New Orleans, La. Cottonseed oil. Serial No. 535,667, Jan. 18. Class 46.
West Disinfecting Company, Long Island City, N. Y. Liquid soap, surgical soap, soap, etc. Serial No. 554,458, Jan. 18. Class 4.
Western Auto Supply Company, Kansas City, Mo. Ditching spades, shovels, furnace scoops, etc. Serial No. 536,566, Jan. 18. Class 23.
Western Family Publishing Company, Los Angeles, Calif. Bi-monthly magazine. Serial No. 503,688, Jan. 18. Class 38.
Westinghouse Electric Corporation, East Pittsburgh, Pa. High temperature alloys. Serial No. 519,940, Jan. 18. Class 14.
Westvaco Chemical Corporation, assignor to Food Machinery and Chemical Corporation, New York, N. Y. Insecticide. Serial No. 558,975, Jan. 18. Class 6.
Wheeling Stamping Company, Wheeling, W. Va. Threaded caps. Serial No. 537,115–16, Jan. 18. Class 50.
Wilhelm, Warner F., doing business as Blu Bru Company, Chicago, Ill. Preparation for the treatment of diardhea. Serial No. 530,880, Jan. 18. Class 6.
Wilhelm, Warner F., doing business as D-String Co., Chicago, Ill. Insect repellents. Serial No. 550,190, Jan. 18. Class 6.
Williams, Geo. L., Company, The, Cleveland, Ohio. Soap. Serial No. 533,688, Jan. 18. Class 4.
Williamson, George, Jr., Jacksonville, Tex. Fresh vegetables. Serial No. 521,164, Jan. 18. Class 46.
Wolf Brothers & Co., Red Lion, Pa. Cigars. Serial No. 544,418, Jan. 18. Class 17.
Wolsey Limited, Leicester, England. Stockings, socks, hose, etc. Serial No. 524,364, Jan. 18. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A-1 Manufacturing Co.: *See*—
Kotzin, Tobias.
Acme Broom Company: *See*—
Lindstrom, H. E.
Acme Wire Company, The, Hamden, Conn. Insulated electrical conductors. 72,677–9, Feb. 9, 1909. Republished Jan. 18. Class 21.
Acme Wire Company, The, Hamden, Conn. Electromagnets. 73,129, Mar. 16, 1909. Republished Jan. 18. Class 21.
Acme Wire Company, The, Hamden, Conn. Insulated electric wire. 364,271–2, Jan. 24, 1939. Republished Jan. 18. Class 21.
Acme Wire Company, The, Hamden, Conn. Insulated electric wire. 364,704, Feb. 14, 1939. Republished Jan. 18. Class 21.
Acree, Edward H., Schooleys Mountain, N. J. Preparation for treatment of ivy, sumac, and oak poisoning, etc. 505,783, Jan. 18; Serial No. 540,758, published Aug. 31, 1948. Class 6.
Adco, Inc., Sedalia, Mo. Powdered detergent. 505,806, Jan. 18; Serial No. 543,256, published July 27, 1948. Class 4.
Advance Bag and Paper Company, Inc., Boston, Mass., by The Albemarle Paper Manufacturing Company, Richmond, Va. Paper bags. 221,743, Dec. 7, 1926. Republished Jan. 18. Class 2.
Advance Polishing Wheels, Inc., Chicago, Ill., and Glen Ridge, N. J. Polishing wheels. 344,175, Mar. 16, 1937. Republished Jan. 18. Class 4.
Advance Polishing Wheels, Inc., Chicago, Ill., and Glen Ridge, N. J. Buffs, buffing wheels, and polishing wheels. 375,286, Feb. 13, 1940. Republished Jan. 18. Class 4.
Advance Solvents & Chemical Corporation, New York, N. Y. Chemical wetting agents, emulsifiers. 441,871. Jan. 18; Serial No. 517,687, published Oct. 12, 1948. Class 6.
Affiliated Retailers, Inc., New York, N. Y. Automobile and bicycle tires and tubes, and fan belts. 505,728, Jan. 18; Serial No. 531,175, published Aug. 5, 1948. Class 35.
Agricultural Minerals Company, Montgomery, Ala. Fertilizers. 505,829, Jan. 18; Serial No. 549,865, published Aug. 24, 1948. Class 10.
Alabama Appliance Company, Inc., doing business as Alabama Manufacturing Company, by Alabama Manufacturing Company, Inc., Birmingham, Ala. Electric churns. 372,414, Oct. 31, 1939. Republished Jan. 18. Class 23.
Alabama Manufacturing Company: *See*—
Alabama Appliance Company, Inc.
Alabama Manufacturing Company, Inc.: *See*—
Alabama Appliance Company, Inc.
Albemarle Paper Manufacturing Company, The: *See*—
Advance Bag and Paper Company, Inc.
Albemarle Paper Manufacturing Company, The, Richmond, Va. Blotting-paper. 77,115, Mar. 8, 1910. Republished Jan. 18. Class 37.
Albemarle Paper Mfg. Co., Richmond, Va. Writing, printing, blotting, tissue, and wrapping papers. 148,343, Nov. 15, 1921. Republished Jan. 18. Class 37.
Albemarle Paper Mfg. Co., Richmond, Va. Kraft and manila wrapping, blotting, bond paper, etc. 151,064, June 24, 1922. Republished Jan. 18. Class 37.
Albemarle Paper Manufacturing Co., The, Richmond, Va. Wrapping paper. 210,429, Mar. 16, 1926. Republished Jan. 18. Class 37.
Albemarle Paper Manufacturing Co., The, Richmond, Va. Blotting paper. 242,607, May 29, 1928. Republished Jan. 18. Class 37.
Albemarle Paper Manufacturing Company, The, Richmond, Va. All kinds of blotting paper. 291,293. Feb. 9, 1932. Republished Jan. 18. Class 37.
Albemarle Paper Manufacturing Company, The, Richmond, Va. Blotting paper. 298,874, Nov. 8, 1932. Republished Jan. 18. Class 37.
Albemarle Paper Mfg. Company, The, Richmond, Va. Kraft paper. 356,232, Apr. 19, 1938. Republished Jan. 18. Class 37.
Alkahn Silk Label Co., Inc.: *See*—
Kahn, Alexander L.
Alta Vista Creamery Company, Fort Worth, Tex. Ice-cream, ices, sherbets, etc. 67,989, Mar. 3, 1908. Republished Jan. 18. Class 46.
Altman, B., & Co.: *See*—
Altman, Benjamin.
Altman, Benjamin, to B. Altman & Co., New York, N. Y. Woolen dry goods. 29,814, Apr. 13, 1897. New certificate. O. G. Jan. 18. Classes 39 and 42.
Altman, Benjamin, to B. Altman & Co., New York, N. Y. Gloves. 31,548, May 17, 1898. New certificate. O. G. Jan. 18. Class 39.
Aluminum Goods Mfg. Company, Manitowoc, Wis. Aluminum cooking utensils and household goods. 122,123, July 2, 1928. Republished Jan. 18. Classes 13 and 23.
Aluminum Paint & Color Co.: *See*—
Sullivan, John E.
Amberg File and Index Company, Kankakee, Ill. Scrap books and albums. 405,166, Jan. 11, 1944. Republished Jan. 18. Class 37.
Amco Sales Co.: *See*—
Coan, N. C.
American Brakeblok Corporation, New York, N. Y., and Detroit, Mich., by American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches, and fan belts, radiator hose, etc. 346,360, May 25, 1937. Republished Jan. 18. Class 35.
American Brakeblok Corporation, New York, N. Y., and Detroit, Mich., by American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches. 348,302, July 20, 1937. Republished Jan. 18. Class 35.
American Brakeblok Division of The American Brake Shoe and Foundry Company: *See*—
American Brake Shoe and Foundry Company, The.
American Brake Shoe Company: *See*—
American Brakeblok Corporation.
American Brake Shoe and Foundry Company, The.
American Manganese Steel Company.
American Brake Shoe Company, New York, N. Y. Castings and forgings, welding rods, railroad frogs, etc. 505,811, Jan. 18; Serial No. 520,666, published Nov. 2, 1948. Class 14.
American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Composition bearings, machinery shaft couplings, and slides. 351,296, Oct. 26, 1937. Republished Jan. 18. Class 23.
American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Sills for refrigerator car doors and the like. 362,527, Nov. 22, 1938. Republished Jan. 18. Class 19.
American Brake Shoe and Foundry Company, The, also doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich., by American Brake Shoe Company, New York, N. Y. Frictional elements for brakes and clutches. 365,908, Mar. 21, 1939. Republished Jan. 18. Class 35.
American Brake Shoe and Foundry Company, The, also doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich., by American Brake Shoe Company, New York, N. Y. Fan belts, radiator hose, and generator couplings. 365,909, Mar. 21, 1939. Republished Jan. 18. Class 35.
American Brake Shoe and Foundry Company, The, also doing business as American Brakeblok Division of The American Brake Shoe and Foundry Company, New York, N. Y., and Detroit, Mich., by American Brake Shoe Company, New York, N. Y. Adhesive cement. 368,614, June 27, 1939. Republished Jan. 18. Class 5.

American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Composition bearings, machinery shaft couplings, and
Armstrong, J. D., Los Angeles, Calif. Jellies, jams, fruit preserves, etc. 360,337, Sept. 13, 1938. Republished Jan. 18. Class 46.

Battles, Otto V., Los Olivos, Calif. Aberdeen-Angus cattle. 506,685, Jan. 18; Serial No. 518,195, published Oct. 5, 1948. Class 1.
Block Drug Company, Inc.: *See*—
Emergency Laboratories.
Block Marble Co., Philadelphia, Pa. Service kit contain-

American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Composition bearings, machinery shaft couplings, and slides. 368,737, June 27, 1939. Republished Jan. 18. Class 23.

American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Ferrous metals and ferrous metal castings and forgings. 373,742, Dec. 19, 1939. Republished Jan. 18. Class 14.

American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Ferrous metals and ferrous metal castings and forgings. 373,934, Dec. 26, 1939. Republished Jan. 18. Class 14.

American Brake Shoe and Foundry Company, The, by American Brake Shoe Company, New York, N. Y. Welding rods and metal alloys. 374,363, Jan. 9, 1940. Republished Jan. 18. Class 14.

American Brake Shoe and Foundry Company, The, now by change of name, American Brake Shoe Company, by American Brake Shoe Company, New York, N. Y. Vehicle wheels and truck caster wheels. 403,270, Sept. 14, 1943. Republished Jan. 18. Class 19.

American Company of Arkansas, by E. S. Carmack, doing business as Zip Manufacturing Company, Little Rock, Ark. Insecticides. 248,363, July 2, 1929. Republished Jan. 18. Class 6.

American Cyanamid Company, New York, N. Y. Sulfonamide preparation. 505,851, Jan. 18; Serial No. 558,265, published Oct. 19, 1948. Class 6.

American Cyanamid Company, New York, N. Y. Sulfonamide preparation for veterinary use. 505,852, Jan. 18; Serial No. 558,266, published Oct. 19, 1948. Class 6.

American Glossite Co., Incorporated, Putnam, Conn. Mechanically grooved phonograph records. 505,781, Jan. 18; Serial No. 540,511, published Sept. 14, 1948. Class 36.

American Machine and Foundry Company, Brooklyn, N. Y. Running stitch sewing machines, machines for glove sewing and ornamental stitching, and parts and accessories, etc. 441,863, Jan. 18; Serial No. 512,305, published Sept. 28, 1948. Class 23.

American Manganese Steel Company, Chicago Heights, Ill., by American Brake Shoe Company, New York, N. Y. Heat treating boxes. 350,469, Sept. 28, 1937. Republished Jan. 18. Class 34.

American Perforator Co., The, Chicago, Ill. Indorsing-machine ink. 249,674, renewed Nov. 20, 1948. O. G. Jan. 18. Class 11.

American Pop Corn Company, Sioux City, Iowa. Pop corn. 280,844, Mar. 3, 1931. Republished Jan. 18. Class 46.

American Pop Corn Company, Sioux City, Iowa. Pop corn. 298,361, Oct. 25, 1932. Republished Jan. 18. Class 46.

American Road Machinery Company, Kennett Square, Pa., by Good Roads Machinery Corporation, Detroit, Mich. Distributing wagons, dumping wagons, and road oil distributors. 230,294, July 19, 1927. Republished Jan. 18. Class 19.

American Thread Company, The, Jersey City, N. J., to The American Thread Company, New York, N. Y. Spool-cotton, sewing-cotton, and thread. 72,857, renewed Mar. 2, 1949. O. G. Jan. 18. Class 43.

Ames Harris Neville Co., San Francisco, Calif. Dish towels. 255,107, renewed Apr. 16, 1949. O. G. Jan. 18. Class 42.

Anaheim Community Growers, Inc., by Orange County Valencia Association, Anaheim, Calif. Fresh citrus fruits. 275,590, Sept. 23, 1930. Republished Jan. 18. Class 46.

Anaheim Community Growers by Orange County Valencia Association, Anaheim, Calif. Fresh citrus fruit. 332,349, Feb. 11, 1936. Republished Jan. 18. Class 46.

Anderson, Brooke, to Inland Steel Company, Chicago, Ill. Metallic fence posts. 255,936, renewed Apr. 30, 1949. O. G. Jan. 18. Class 13.

Anglophone Recordings, Inc., New York, N. Y. Non-electrical phonographs, and mechanically grooved phonograph records. 441,868, Jan. 18; Serial No. 516,247, published Oct. 19, 1948. Class 36.

Animal Foods Company: *See*—
Coan, N. C.

Animal Trap Company of America, Lititz, Pa. Animal bait in the nature of a lure. 441,873, Jan. 18; Serial No. 517,880, published Sept. 21, 1948. Class 22.

Apothecaries Hall Company, Waterbury, Conn. Insecticides, disinfectants, repellants, etc. 255,572, renewed Apr. 23, 1949. O. G. Jan. 18. Class 6.

Apple Growers Association, Hood River, Oreg. Canned fruits. 505,896, Jan. 18; Serial No. 531,754. Class 46.

Arlington Chemical Company, The, Yonkers, N. Y. Pharmaceutical preparation of amino acids and polypeptides from hydrolysed protein foods. 505,846, Jan. 18; Serial No. 557,335, published Oct. 12, 1948. Class 6.

Armour and Company, Chicago, Ill. Soap. 505,720, Jan. 18; Serial No. 529,852, published Oct. 5, 1948. Class 4.

Armour and Company, Chicago, Ill. Soap. 505,721–2, Jan. 18; Serial No. 529,854–5, published Oct. 5, 1948. Class 4.

Armour and Company, Chicago, Ill. Soap. 505,855, Jan. 18; Serial No. 560,157, published Oct. 12, 1948. Class 4.

Arms, Leland J., San Francisco, Calif. Mechanically grooved phonograph records. 441,891, Jan. 18; Serial No. 519,161. Class 36.

Armstrong, J. D., Los Angeles, Calif. Jellies, jams, fruit preserves, etc. 360,337, Sept. 13, 1938. Republished Jan. 18. Class 46.

Arnold Knitwear Corporation: *See*—
Novelty Knitting Co.

Artcraft Wallpaper Co., Inc.: *See*—
Buchbinder, Benjamin.

Artoys Inc., Brooklyn, N. Y. Toys. 441,841, Jan. 18; Serial No. 500,729, published Sept. 21, 1948. Class 22.

Arwood Precision Casting Corp., Brooklyn, N. Y., by change of name from J. R. Wood Products Corporation. Metal castings. 505,884, Jan. 18; Serial No. 520,849. Class 14.

Asher, Albert: *See*—
Garcia & Maggini Company.

Asher, Albert, Company: *See*—
Garcia & Maggini Company.

Associated Merchandising Corporation, The: *See*—
Associated Merchandising Corporation.

Associated Merchandising Corporation, to The Associated Merchandising Corporation, New York, N. Y. Boys' shoes. 255,207, renewed Apr. 16, 1929. O. G. Jan. 18. Class 39.

Atkinson Milling Company, Minneapolis, Minn. Wheat flour. 432,224, Aug. 26, 1947. Republished Jan. 18. Class 46.

Atlantic Cable Splicing Co.: *See*—
Lawlor, Joseph W.

Atlantic Syrup Refining Co.: *See*—
Burns, William H.

Atlas Supply Company, Newark, N. J. Fuel pumps, brake lining equipment. 505,735, Jan. 18; Serial No. 531,759, published Sept. 28, 1948. Class 23.

Automatic Equipment Co.: *See*—
Burnoyl Heating Corporation.

Automatic Wire Goods Mfg. Co. Inc., New York, N. Y. Mixer strainers. 441,883, Jan. 18; Serial No. 525,177, published Oct. 5, 1948. Class 23.

Avon Products, Inc., New York, N. Y. Lipsticks, rouges, and nail polish. 434,901, Dec. 9, 1947. Republished Jan. 18. Class 6.

Avon Products, Inc., New York, N. Y. Colognes and body powder. 435,002–3, Dec. 9, 1947. Republished Jan. 18. Class 6.

Avon Products, Inc., New York, N. Y. Lipstick, rouge, nail polish, and face powder. 435,075, Dec. 9, 1947. Republished Jan. 18. Class 6.

Baird & McGuire, Inc., Holbrook, Mass. Cattle, sheep, and horse dips. 125,387, May 20, 1919. Republished Jan. 18. Class 6.

Baird & McGuire, Inc., Holbrook, Mass. Disinfectants and insecticides. 232,438, Sept. 6, 1927. Republished Jan. 18. Class 6.

Baird & McGuire, Inc., Holbrook, Mass. Insecticides. 299,639, Dec. 13, 1932. Republished Jan. 18. Class 6.

Baldwin Locomotive Works, The: *See*—
Standard Steel Works Company.

Baldwin Locomotive Works, The, Eddystone, Pa. Strain gages, strain indicating and recording instruments. 410,180, Nov. 14, 1944. Republished Jan. 18. Class 26.

Ballard, B. S., doing business as Bluegate Candle Co. by Bluegate Candle Company, Montara, Calif. Candles. 414,524, June 12, 1945. Republished Jan. 18. Class 15.

Bapterosses, F., & Cie, to F. Bapterosses & Cie, Societe a Responsabilite Limitee, Paris, France. Agate beads and buttons. 24,438, re-renewed Apr. 3, 1944. O. G. Jan. 18. Class 40.

Bapterosses, F., & Cie, Societe a Responsabilite Limitee: *See*—
Bapterosses, F., & Cie.

Barnes Manufacturing Co., Mansfield, Ohio. Sink faucets. 506,586, Jan. 18; Serial No. 522,325. Class 13.

Barnes Manufacturing Co., Mansfield, Ohio. Kitchen, bath, and laundry faucets, and overflow valves. 506,587, Jan. 18; Serial No. 522,333. Class 13.

Bartlett-Collins Company, Sapulpa, Okla. Oyster cocktail glasses, sherbet glasses, glass tumblers, etc. 505,712, Jan. 18; Serial No. 528,906, published Sept. 14, 1948. Class 33.

Bartmann & Bixer, Inc., New York, N. Y. Cotton marquisette curtains. 359,254, Aug. 9, 1938. Republished Jan. 18. Class 42.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 368,926, July 4, 1939. Republished Jan. 18. Class 42.

Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 376,481, Mar. 26, 1940. Republished Jan. 18. Class 42.

Barton, Carl J., doing business as Barton Products Co., Chicago, Ill. Various compositions containing chemical ingredients. 505,675, Jan. 18; Serial No. 510,824, published Oct. 19, 1948. Class 6.

Barton Products Co.: *See*—
Barton, Carl J.

Battle Creek Drugs, Inc., Battle Creek, Mich., by Consolidated Royal Chemical Corporation, Chicago, Ill. Tonics. 333,669, Mar. 31, 1936. Republished Jan. 18. Class 6.

Battles, Otto V., Los Olivos, Calif. Aberdeen-Angus cattle. 506,685, Jan. 18; Serial No. 518,195, published Oct. 5, 1948. Class 1.

Bear Creek Vineyard Association, by Wine Growers Guild, Lodi, Calif. Brandy. 364,996, Feb. 21, 1939. Republished Jan. 18. Class 49.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Engine starting mechanisms. 425,926, Dec. 10, 1946. Republished Jan. 18. Class 23.

Bennett Fireplace Company, by Bennett-Ireland Inc., Norwich, N. Y. Supporting fixtures for fireplace screens, curtains, and the like. 383,302, Dec. 3, 1940. Republished Jan. 18. Class 34.

Bennett Fireplace Corporation, by Bennett-Ireland Inc., Norwich, N. Y. Fireplace screens. 306,788, Sept. 26, 1933. Republished Jan. 18. Class 34.

Bennett-Ireland Inc.: *See*—
Bennett Fireplace Company.

Bennett-Watts-Haywood Co., Lafayette, Ind., to Electrical Publications, Inc., Chicago, Ill. Periodical. 242,580, renewed May 29, 1948. O. G. Jan. 18. Class 38.

Berbigtia, Inc., Kansas City, Mo., assignee of Denebeim Distilling Company. Whiskey. 505,886, Jan. 18; Serial No. 521,860. Class 49.

Bercut-Richards Packing Company, Sacramento, Calif. Canned vegetables. 332,285, Feb. 11, 1936. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruit. 332,707, Feb. 25, 1936. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits. 333,132, Mar. 10, 1936. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruit and canned Spanish style hot sauce. 333,659, Mar. 31, 1936. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables. 338,890, Sept. 15, 1936. Republished Jan. 18. Class 46.

Bercut Richards Packing Company, Sacramento, Calif. Canned fruits, canned vegetables, canned Spanish style hot sauce. 344,419, Mar. 23, 1937. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned fruits and canned vegetables. 388,958, July 22, 1941. Republished Jan. 18. Class 46.

Bercut-Richards Packing Company, Sacramento, Calif. Canned vegetables. 396,962, Aug. 11, 1942. Republished Jan. 18. Class 46.

Berman's Jewelry Stores, Inc., Charleston, W. Va. Ladies' and men's watches. 505,800, Jan. 18; Serial No. 542,810, published Oct. 12, 1948. Class 27.

Berne Mfg. Co., by Winner, Inc., Berne, Ind. Men's work clothing; children's suits, sweaters, coats, etc. 248,950, Nov. 6, 1928. Republished Jan. 18. Class 39.

Bernheim Distilling Company, Louisville, Ky. Whiskey. 406,220, Mar. 14, 1944. Republished Jan. 18. Class 49.

Bessing, Clarence, Los Angeles, by Fillmore Lemon Association, Fillmore, Calif. Fresh citrus fruits. 288,134, Oct. 20, 1931. Republished Jan. 18. Class 46.

Best, M. O., Phoenix, Ariz. Fresh vegetables. 379,766, July 23, 1940. Republished Jan. 18. Class 46.

Beutex Corporation, Perth Amboy, N. J. Pressure sensitive adhesive sheets. 505,670, Jan. 18; Serial No. 498,050, published Oct. 5, 1948. Class 5.

Bingham Brothers Company, New York, N. Y. Ink transfer rollers. 505,889–90, Jan. 18; Serial Nos. 524,290–91. Class 23.

Binney & Smith Company, New York, N. Y. Colloidal dispersions of various types of carbon blacks in water. 505,887, Jan. 18; Serial No. 522,708. Class 6.

Bird-Archer Company, The, by The Bird-Archer Company, New York, N. Y. Preparation for use on grate surfaces and for the prevention and removal of soot and fire scale deposits in boilers. 336,486, July 7, 1936. Republished Jan. 18. Class 6.

Bishop, Thomas B., Company, San Francisco and San Ramon, to Thomas B. Bishop Company, San Francisco, Calif. Fresh fruit. 251,332, renewed Jan. 1, 1949. O. G. Jan. 18. Class 46.

Black Diamond Paint & Varnish Works, Inc., The: *See*—
Sullivan, John R.

Blackhawk Mfg. Co., Milwaukee, Wis. Wrenches and wrench sets. 419,119, Feb. 5, 1946. Republished Jan. 18. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Hydraulic power units. 422,172, July 9, 1946. Republished Jan. 18. Class 23.

Blackhawk Mfg. Co., Milwaukee, Wis. Socket wrenches, box wrenches, open end wrenches, etc. 424,871, Oct. 29, 1946. Republished Jan. 18. Class 23.

Blackinton, W. & S., Co. Inc., Meriden, Conn. Hollow ware. 506,780, Jan. 18; Serial No. 540,244, published Oct. 19, 1948. Class 28.

Blake, Moffitt & Towne, San Francisco, Calif. Cartons and containers. 196,191, Mar. 10, 1925. Republished Jan. 18. Class 2.

Blakesley-Tuttle Stove Co., by Security Manufacturing Co., Kansas City, Mo. Heating and cooking stoves and ranges. 58,213, Dec. 11, 1906. Republished Jan. 18. Class 34.

Block Drug Company, Inc.: *See*—
Emergency Laboratories.

Block Marble Co., Philadelphia, Pa. Service kit containing parts and supplies for maintenance and repair of coin controlled electrically operated vending and amusement machines. 506,869, Jan. 18; Serial No. 505,180. Class 50.

Blue Blaze Coal Company, by Utah Fuel Company, Salt Lake City, Utah. Coal. 284,100, June 16, 1931. Republished Jan. 18. Class 1.

Bluegate Candle Co.: *See*—
Ballard, B. S.

Bluegate Candle Company: *See*—
Ballard, B. S.

Bonat, Sammel & Bro., Inc., New York, N. Y. Hair shampoos; hair waving solutions; hair rinses, etc. 505,768, Jan. 18; Serial No. 538,566, published Oct. 19, 1948. Class 6.

Borden Fruit Co., Anaheim, Calif. Fresh citrus fruits. 380,863–4, Sept. 3, 1940. Republished Jan. 18. Class 46.

Bracke-Seib X-Ray Co., Inc., New York, N. Y. Fluoroscopes. 505,801, Jan. 18; Serial No. 542,905, published Oct. 12, 1948. Class 44.

Briggs Clarifier Company, Washington, D. C., assignor to The Briggs Filtration Company, Bethesda, Md. Oil clarifiers and equipment and parts therefor. 441,834, Jan. 18; Serial No. 487,166, published Oct. 5, 1948. Class 31.

Briggs Filtration Company, The: *See*—
Briggs Clarifier Company.

Bristol Bay Packing Company: *See*—
Union Fish Company.

Bristol Bay Packing Company, San Francisco, Calif., by Bristol Bay Packing Company (1945), Seattle, Wash. Canned salmon. 200,975, July 14, 1925. Republished Jan. 18. Class 46.

Bristol Bay Packing Company, San Francisco, Calif., by Bristol Bay Packing Company (1945), Seattle, Wash. Canned salmon. 200,982, July 14, 1925. Republished Jan. 18. Class 46.

Bristol Bay Packing Company, San Francisco, Calif., by Bristol Bay Packing Company (1945), Seattle, Wash. Canned fish. 350,369, Sept. 28, 1937. Republished Jan. 18. Class 46.

Bristol Bay Packing Company (1945): *See*—
Bristol Bay Packing Company.

Brown Palace Beauty Salon: *See*—
Glass, Blanche D.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Bowling balls. 441,855, Jan. 18; Serial No. 506,729, published Oct. 8, 1948. Class 22.

Buchbinder, Benjamin, by Artcraft Wallpaper Co., Inc., New York, N. Y. Wall-papers. 126,646, Sept. 30, 1919. Republished Jan. 18. Class 37.

Buettner, P. R., doing business as Polish-Off Co., New York, N. Y. Swabs consisting of sanitary absorbent cotton attached to the end of a small piece of wood. 506,883, Jan. 18; Serial No. 520,377. Class 44.

Buffalo Bolt Company, North Tonawanda, N. Y. Bolts and screws. 73,356, re-renewed Apr. 13, 1949. O. G. Jan. 18. Class 13.

Buisson, Albert, to Chimie & Atomistique, Societe Anonyme, Paris, France. Sedative, antispasmodic analgesic and hypnotic. 161,755, renewed Nov. 21, 1942. O. G. Jan. 18. Class 6.

Bull, W. H., Medicine Company, St. Louis, Mo. Insecticides. 505,713, Jan. 18; Serial No. 528,908, published Oct. 19, 1948. Class 6.

Bulova Watch Company, Inc., New York, N. Y. Watches, watch movements and parts thereof and watchcases. 441,878, Jan. 18; Serial No. 523,766, published Oct. 12, 1948. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 505,673, Jan. 18; Serial No. 508,710, published Oct. 19, 1948. Class 27.

Burdines, Inc., Miami, Fla. Clothing. 373,483, Dec. 12, 1939. Republished Jan. 18. Class 39.

Burnoyl Heating Corporation, doing business as Automatic Equipment Co., Providence, R. I., by Firetox Company, Amherst, Mass. Portable hand fire extinguishers and automatic fire extinguishers. 248,039, Oct. 16, 1928. Republished Jan. 18. Class 23.

Burns, William H., doing business as Atlantic Syrup Refining Co., by Atlantic Syrup Refining Corporation, Philadelphia, Pa. Table syrup. 337,581, Aug. 11, 1936. Republished Jan. 18. Class 46.

Burroughs Wellcome & Co. (U. S. A.) Inc.: *See*—
Wellcome, Henry S.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Antacid preparation. 506,842, Jan. 18; Serial No. 552,742, published Oct. 19, 1948. Class 6.

Burrus Mill and Elevator Co., The, Fort Worth, by Texo-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 220,193, Nov. 2, 1926. Republished Jan. 18. Class 46.

Business Promotion Service: *See*—
Phillips, Samuel A.

California Paint Company, Oakland, by General Paint Corporation, San Francisco, Calif. Mixed and dry paint, stains, varnishes, etc. 149,862, Dec. 27, 1921. Republished Jan. 18. Class 16.

Capital Bakers Inc., by Capital Bakers Inc., Harrisburg, Pa. Bread, rolls and cake. 416,853, Oct. 2, 1945. Republished Jan. 18. Class 46.

Cordage, Incorporated, Chicago, Ill., by Koiled Kords Incorporated, Hamden, Conn. Retractable extension cords.

Desbergers-Bismol Laboratories, by Desbergers Limited, Montreal, Quebec, Canada. Dry granular food for

Carmack, Edward S.: *See*—
American Company of Arkansas.
Carpenter Steel Company, The, Reading, Pa. Nickel alloy. 441,870, Jan. 18; Serial No. 517,117, published Sept. 21, 1948. Class 14.
Carpenter, W. D., Co. Inc., Syracuse, N. Y. Insecticides. 230,756, Aug. 2, 1927. Republished Jan. 18. Class 6.
Carr, Adams & Collier Company, Dubuque, Iowa. Kitchen cabinets. 418,143, Dec. 4, 1945. Republished Jan. 18. Class 32.
Carr, Adams & Collier Company, Dubuque, Iowa. Windows and door frames. 505,816, Jan. 18; Serial No. 545,582, published Sept. 21, 1948. Class 12.
Carsolite Corporation, Maywood, Ill. Cleanser and renovator for terrazzo floors. 505,837, Jan. 18; Serial No. 551,167, published Oct. 12, 1948. Class 4.
Carson Pirie Scott & Co., Chicago, Ill., by Ely & Walker Dry Goods Company, St. Louis, Mo. Cotton piece goods. 239,150, Feb. 21, 1928. Republished Jan. 18. Class 42.
Carver, Horace N.: *See*—
Rich Signs Corporation.
Catalin Corporation, assignee of Catalin Corporation of America, by Catalin Corporation of America, New York, N. Y. Molding powder. 434,828, Dec. 9, 1947. Republished Jan. 18. Class 1.
Catalin Corporation of America: *See*—
Catalin Corporation.
Catechetical Guild, St. Paul, Minn. Grooved phonograph records. 505,753, Jan. 18; Serial No. 534,872, published Oct. 5, 1948. Class 36.
Central Petroleum Company, Cleveland, Ohio. Lubricating oils and greases. 505,665, Jan. 18; Serial No. 485,751, published Sept. 7, 1948. Class 15.
Central States Mfg. Co., Inc., Arkansas City, Kans. Gas fired floor furnaces, gas fired suspended unit heaters, etc. 505,812, Jan. 18; Serial No. 545,234, published Oct. 5, 1948. Class 34.
Chap Stick Co.: *See*—
Morton Manufacturing Corporation.
Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Brass, copper, and nonferrous alloy sheets, rods, and wire, and silver solder. 505,789, Jan. 18; Serial No. 541,916, published Sept. 21, 1948. Class 14.
Chesterton, A. W., Company, Everett, Mass. Mechanical packings and rod packings. 505,822, Jan. 18; Serial No. 546,823, published Oct. 5, 1948. Class 35.
Chicago Steel & Wire Company, Chicago, Ill. Stapling wire. 241,836, May 8, 1928. Republished Jan. 18. Class 14.
Chili Products Corporation, Ltd., Los Angeles, Calif. Chili powder, chili peppers, chili peppers (whole pods), etc. 441,835, Jan. 18; Serial No. 489,898, published Apr. 22, 1947. Class 46.
Chimie & Atomistique, Societe Anonyme: *See*—
Buisson, Albert.
Chipman Knitting Mills, Easton, Pa., by F. W. Woolworth Co., New York, N. Y. Hosiery. 174,262, Oct. 9, 1923. Republished Jan. 18. Class 39.
Chipman's, Chas., Sons Co. Inc., by F. W. Woolworth Co., New York, N. Y. Hosiery. 238,647, Feb. 14, 1928. Republished Jan. 18. Class 39.
Chirothesy Enterprises: *See*—
Zalowitz, Morris D.
Clark, Robert H., doing business as Robert H. Clark Company, Beverly Hills, Calif. Bath salts. 505,701, Jan. 18; Serial No. 527,534, published Oct. 5, 1948. Class 6.
Clark, Robert H., Company: *See*—
Clark, Robert H.
Clayton, Benjamin: *See*—
Vodol Company.
Cleveland Gasket and Manufacturing Company, The, Cleveland, Ohio. Gaskets. 341,795, Dec. 22, 1936. Republished Jan. 18. Class 35.
Cleveland Gasket and Manufacturing Company, The, Cleveland, Ohio. Gaskets and plant fibre sheet packing materials. 394,198, Mar. 24, 1942. Republished Jan. 18. Class 35.
Clopay Corporation, Cincinnati, Ohio. Window shades. 358,599, July 19, 1938. Republished Jan. 18. Class 32.
Clorox Chemical Co., Oakland, Calif. Bleaching, cleansing, antiseptic and germicidal compounds. 505,907, Jan. 18; Serial No. 542,282. Class 6.
Club Aluminum Products Company, Chicago, Ill. Top-of-stove heat resistant glass sauce pans, double boilers, tea pots, etc. 505,754, Jan. 18; Serial No. 535,384, published Oct. 19, 1948. Class 33.
Club Aluminum Products Company, Chicago, Ill. Glass cookingware. 505,755, Jan. 18; Serial No. 535,387, published Oct. 19, 1948. Class 33.
Coal Exporters Association of the United States Incorporated, Washington, D. C. Information bulletins issued at irregular intervals averaging at least once a week. 505,909, Jan. 18; Serial No. 543,421. Class 38.
Coan, N. C., doing business as Animal Foods Company and Amco Sales Co., San Jose, Calif., and Houston, Tex. Canned foods for dogs, cats, foxes, etc. 386,302, Apr. 1, 1941. Republished Jan. 18. Class 46.
Cobar Laboratories, Inc., Akron, Ohio. Chemically treated paraffin. 505,711, Jan. 18; Serial No. 528,773, published Oct. 5, 1948. Class 6.
Cockshutt Plow Company, Limited, Brantford, Ontario, Canada. Farm implements of all kinds. 441,880, Jan. 18; Serial No. 524,376, published Oct. 5, 1948. Class 23.
Codo Manufacturing Corp., Coraopolis, Pa., and Chicago, Ill. Carbon paper and typewriter ribbons. 505,684, Jan. 18; Serial No. 517,456, published Oct. 5, 1948. Class 11.
Cohen, Abe H., Pittsburgh, Pa. Drawing room game. 505,705, Jan. 18; Serial No. 528,086, published Sept. 21, 1948. Class 22.
Cohen, George, Sons & Company, Limited, London, England. Powder of iron or other base metal. 505,761, Jan. 18; Serial No. 537,157, published Sept. 21, 1948. Class 14.
Cohen, Yetta, doing business as The Penafax Company, Philadelphia, Pa. Alloys for use in preparing, and in, dental castings. 441,885, Jan. 18; Serial No. 525,791, published Sept. 28, 1948. Class 44.
Cohn, Henry, by Marine Craft Corporation of America, Chicago, Ill. Rowboats and motor boats. 365,624, Mar. 14, 1939. Republished Jan. 18. Class 19.
Cole, H. C., Milling Company, Chester, Ill. Wheat flour. 149,362, Dec. 13, 1921. Republished Jan. 18. Class 46.
Cole, H. C., Milling Company, Chester, Ill. Wheat flour, self-rising flour, cake flour, and mill feeds. 243,092, June 12, 1928. Republished Jan. 18. Class 46.
Cole, H. C., Milling Company, Chester, Ill. Wheat flour and self-rising flour. 243,109, June 12, 1928. Republished Jan. 18. Class 46.
Cole, H. C., Milling Company, Chester, Ill. Wheat flour and self-rising flour. 267,994, Mar. 4, 1930. Republished Jan. 18. Class 46.
Coleman Company, Inc., The: *See*—
Coleman Lamp and Stove Company, The.
Coleman Company, Inc., The, Wichita, Kans. Thermostatically controlled regulating apparatus. 423,229, Aug. 27, 1946. Republished Jan. 18. Class 26.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Gasoline, fuel burning lamps and lanterns. 300,983, Feb. 14, 1933. Republished Jan. 18. Class 34.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Vaporized liquid hydrocarbon burners. 311,069, Mar. 13, 1934. Republished Jan. 18. Class 34.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Vaporized liquid hydrocarbon burners. 311,349, Mar. 20, 1934. Republished Jan. 18. Class 34.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Vaporized liquid hydrocarbon burners. 321,837, Feb. 19, 1935. Republished Jan. 18. Class 34.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Coffee pots and coffee urns. 321,973, Feb. 19, 1935. Republished Jan. 18. Class 13.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Coffee pots and urns. 322,606, Mar. 12, 1935. Republished Jan. 18. Class 13.
Coleman Lamp and Stove Company, The, by The Coleman Company, Inc., Wichita, Kans. Fuel burning mantles. 325,549, June 25, 1935. Republished Jan. 18. Class 34.
Compania De Jarcia De Matanzas S. A.: *See*—
Raffloer, Erbsloh, and Company.
Compania De Jarcia De Matanzas S. A., also known as Matanzas Cordage Company, Habana, Cuba. Rope and twine. 176,594, Nov. 27, 1923. Republished Jan. 18. Class 7.
Compania De Jarcia De Matanzas S. A., also known as Matanzas Cordage Company, Habana, Cuba. Sisal fibre. 295,153–4, June 21, 1932. Republished Jan. 18. Class 1.
Compania De Jarcia De Matanzas S. A., also known as Matanzas Cordage Company, Habana, Cuba. Rope. 431,281, July 15, 1947. Republished Jan. 18. Class 7.
Companhia Geral D' Agricultura Das Vinhas Do Alto Douro, Oporto, Portugal. Wines. 21,716, Sept. 6, 1892. Republished Jan. 18. Class 47.
Consolidated Royal Chemical Corporation: *See*—
Battle Creek Drugs, Inc.
Kendall Company, The.
Krank, A. J., Company.
Krank, A. J., Mfg. Co.
Consolidated Royal Chemical Corporation, Chicago, Ill. Lighter fluid. 388,122, June 10, 1941. Republished Jan. 18. Class 6.
Continental Screw Company: *See*—
Continental Wood Screw Co.
Continental Wood Screw Co., by Continental Screw Company, New Bedford Mass. Wood screws. 177,255, Dec. 11, 1923. Republished Jan. 18. Class 13.
Cooter Company, The: *See*—
Cooter, Paul M.
Cooter, Paul M., doing business as The Cooter Company, Chicago, Ill. Granulated soap and laundry soap. 505,738, Jan. 18; Serial No. 532,429, published Aug. 17, 1948. Class 4.
Copper Range Company, doing business under the name and style of C. G. Hussey & Company, Painesdale, Mich., and Pittsburgh, Pa. Copper sheet, copper in rolls, copper wire, etc. 505,756, Jan. 18; Serial No. 535,490, published Sept. 28, 1948. Class 14.

Cordage, Incorporated, Chicago, Ill., by Kolied Kords Incorporated, Hamden, Conn. Retractable extension cords. 415,518–19, Aug. 7, 1945. Republished Jan. 18. Class 21.
Corn Products Refining Company, New York, N. Y. Chemical products derived from corn for adhesive purposes. 505,681, Jan. 18; Serial No. 514,940, published Oct. 19, 1948. Class 5.
Covina Orange Growers Association, by Covina Orange Growers Association (1936), Covina, Calif. Oranges in their natural state. 155,657, June 6, 1922. Republished Jan. 18. Class 46.
Covina Orange Growers Association, by Covina Orange Growers Association (1936), Covina, Calif. Fresh oranges. 156,221, June 20, 1922. Republished Jan. 18. Class 46.
Covina Orange Growers Association (1936): *See*—
Covina Orange Growers Association.
Cox Confectionery Company, Boston and East Boston, Mass., by Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Candy. 226,058, Mar. 29, 1927. Republished Jan. 18. Class 46.
Crafto Inc., Denver, Colo. Toy model kits. 441,853, Jan. 18; Serial No. 506,427, published Sept. 21, 1948. Class 22.
Craighall Bonding Company, Glasgow, Scotland. Scotch whisky. 312,796, May 8, 1934. Republished Jan. 18. Class 49.
Creamery Package Mfg. Company, The, Chicago, Ill. Dairy products processing equipment. 505,702, Jan. 18; Serial No. 527,591, published Sept. 28, 1948. Class 23.
Cridlebaugh, J. Clayton, doing business as The Marvel Co., Santa Rosa, Calif. Anti-picking device for poultry in the nature of a guard. 441,890, Jan. 18; Serial No. 515,545. Class 50.
Cromwell Paper Company, The, Chicago, Ill. Tympan paper. 241,541, May 1, 1928. Republished Jan. 18. Class 37.
Crown Cork & Seal Company, Inc., Baltimore, Md. Packing containers made from glass. 505,802, Jan. 18; Serial No. 543,001, published Sept. 14, 1948. Class 33.
Cudahy Packing Company, The, Chicago, Ill. Rug, fabric, and automobile cleaning preparation. 505,814, Jan. 18; Serial No. 545,453, published Oct. 5, 1948. Class 4.
Cudahy Packing Company, The, Chicago, Ill. Soap powder combined with mineral ingredients. 505,836, Jan. 18; Serial No. 550,792, published Oct. 12, 1948. Class 4.
Cudahy Packing Company, The, Chicago, Ill. Soap powder combined with mineral ingredients. 505,912, Jan. 18; Serial No. 555,802. Class 4.
Cunningham, Minnie, San Mateo, Calif. Absorbent bed pads. 441,843, Jan. 18; Serial No. 501,166, published Oct. 12, 1948. Class 44.
Curtis Companies Incorporated, Clinton, Iowa. Garage door and parts thereof. 397,210, Aug. 25, 1942. Republished Jan. 18. Class 12.
Dabney Pharmacal Company: *See*—
Dabney, William C., Jr.
Dabney, William C., Jr., doing business as Dabney Pharmacal Company, Louisville, Ky. Fungicidal ointment and fungicidal powder. 506,845, Jan. 18; Serial No. 557,120, published Oct. 12, 1948. Class 6.
Dan River Mills, Incorporated: *See*—
Riverside & Dan River Cotton Mills, Inc.
Dant & Russell, Inc., Portland, Oreg. Lightweight plaster aggregate, lightweight concrete aggregate, etc. 505,773, Jan. 18; Serial No. 539,668, published Sept. 7, 1948. Class 12.
Davenshire, Incorporated, Davenport, Iowa. Women's, men's, boys', misses', and juniors' slacks, short slacks, long-short slacks, pants, etc. 429,884, May 20, 1947. Republished Jan. 18. Class 39.
Davidson Manufacturing Corporation, Chicago, Ill. Gum arabic solution, counter-etch, etc. 505,730, Jan. 18; Serial No. 532,914, published Oct. 19, 1948. Class 6.
Davies, Rose, & Company, Limited, Boston, Mass. Yola tile liquid. 255,197, renewed Apr. 16, 1949. O. G. Jan. 18. Class 6.
Davis, Lester M., Tacoma, Wash. Fishing trolls. 418,761, Jan. 8, 1946. Republished Jan. 18. Class 22.
Dehn & Co.: *See*—
Dehn, Karl.
Dehn & Co., Inc.: *See*—
Dehn, Karl.
Dehn & Co., Inc., by Dehn & Co., Inc. (1946), Seattle, Wash. Canned salmon. 404,934–5, Dec. 28, 1943. Republished Jan. 18. Class 46.
Dehn & Co., Inc. (1946): *See*—
Dehn & Co., Inc.
Dehn, Karl, doing business as Dehn & Co., by Dehn & Co., Inc., Seattle Wash. Canned salmon. 406,925–6, May 9, 1944. Republished Jan. 18. Class 46.
Deltox Rug Company, Oshkosh, Wis. Periodicals. 254,277, renewed Mar. 19, 1949. O. G. Jan. 18. Class 38.
Denebeim Distilling Company: *See*—
Berbiglia, Inc.
Denison, Frank L. & Co., Inc., New York, N. Y., by James Nelson Limited, Nelson, Lancashire, England. Men's and boys' work, negligee and dress shirts, pajamas, and underwear, etc. 310,064, Feb. 13, 1934. Republished Jan. 18. Class 39.
Desbergers-Bismol Laboratories, by Desbergers Limited, Montreal, Quebec, Canada. Dry granular food for babies and children, etc. 411,663, Jan. 30, 1945. Republished Jan. 18. Class 46.
Desbergers Limited: *See*—
Desbergers-Bismol Laboratories.
La Cie. Pharmaceutique Desbergers.
La Compagnie Pharmaceutique Desbergers.
Des Moines Janitor Supply Co.: *See*—
Miksich, John W.
De Sota Chemical Co., Inc., Arcadia, Fla. Roach, ant, rat, and mouse exterminator. 243,312, June 19, 1928. Republished Jan. 18. Class 6.
Distillers Agency Limited, The: *See*—
Distillers Coy. Ld., The.
Distillers, Coy. Ld., The, by The Distillers Agency, Limited, Edinburgh, Scotland. Scotch whiskies. 95,892, Mar. 24, 1914. Republished Jan. 18. Class 49.
Ditto, Incorporated, Chicago, Ill. Solvent for use in duplicating processes. 505,818, Jan. 18; Serial No. 546,374, published Oct. 5, 1948. Class 6.
Doane, Leroy C.: *See*—
Sight Light Corporation, The.
Dobbs & Co., to Hat Corporation of America, Norwalk, Conn. Caps; hats for men, etc. 174,832, Oct. 23, 1923. New certificate. O. G. Jan. 18. Class 39.
Dobbs & Co., to Hat Corporation of America, Norwalk, Conn. Hat brushes, etc. 274,657, Sept. 2, 1930. New certificate. O. G. Jan. 18. Class 29.
Dobbs & Co., to Hat Corporation of America, Norwalk, Conn. Canes, umbrellas, etc. 279,378, Jan. 13, 1931. New certificate. O. G. Jan. 18. Class 41.
Dolan & Bullock Co., Providence, R. I. Jewelry. 505,709, Jan. 18; Serial No. 528,705, published Oct. 19, 1948. Class 28.
Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 335,395–6, June 2, 1936. Republished Jan. 18. Class 46.
Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 335,401, June 2, 1936. Republished Jan. 18. Class 46.
Driscoll-Bruck Company, Ltd., Portland, Oregon, by Spearhead Fishhook Company, Bellingham, Wash. Fishhooks. 377,845, May 14, 1940. Republished Jan. 18. Class 22.
Dry Air Products Corporation: *See*—
Urdahl, Thomas H.
Dunlap & Co., to Hat Corporation of America, Norwalk, Conn. Hats and caps, etc. 151,121, Jan. 24, 1922. New certificate. O. G. Jan. 18. Class 39.
Dunlop Tire and Rubber Corporation: *See*—
Dunlop Tire and Rubber Corporation of America.
Dunlop Tire and Rubber Corporation of America, Tonawanda, N. Y., by Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Rubber tires and parts thereof. 146,728, Sept. 20, 1921. Republished Jan. 18. Class 35.
Dunn Engineering Company, Detroit, Mich. Screw machine attachment for a lathe. 441,849, Jan. 18; Serial No. 505,564, published Sept. 28, 1948. Class 23.
Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo., by Hobby Stationers, Inc., Colorado Springs, Colo. Stationery. 425,407, Nov. 19, 1946. Republished Jan. 18. Class 37.
Earnshaw Knitting Company, Newton, Mass., to The Vanta Company, Inc., Pawtucket, R. I. Children's and infants' underwear and undergarments. 251,047, renewed Dec. 25, 1948. O. G. Jan. 18. Class 39.
Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.
Eltingon Motty, Inc., New York, N. Y. Dyed lambskins. 505,862–3, Jan. 18; Serial No. 496,725–6. Class 1.
Electrical Publications, Inc: *See*—
Bennett-Watts Haywood Co.
Elevator Supplies Co., Inc., Perth Amboy, N. J. Electric position indicator for elevators. 214,612, June 29, 1926. Republished Jan. 18. Class 21.
Elkloid Company, The: *See*—
Konpe, Gustave E.
Elmo, Inc., Philadelphia, Pa. Facial creams. 505,759, Jan. 18; Serial No. 537,026, published Oct. 19, 1948. Class 6.
Elmo, Inc., Philadelphia, Pa. Face packs. 505,760, Jan. 18; Serial No. 537,027, published Oct. 19, 1948. Class 6.
Ely & Walker Dry Gooda Company: *See*—
Carson Pirie Scott & Co.
Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery and gloves, all kinds of underwear, etc. 241,129, Apr. 17, 1928. Republished Jan. 18. Class 39.
Emergency Laboratories, New York, N. Y., by Block Drug Company, Inc., Jersey City, N. J. Remedy for eruptional skin diseases. 74,724, Aug. 3, 1909. Republished Jan. 18. Class 6.
Enro Shirt Company, The, Louisville, Ky. Collars, dress and negligee shirts, and knitted and textile underwear. 278,548, Dec. 23, 1930. Republished Jan. 18. Class 39.
Enro Shirt Company, Inc., The, Louisville, Ky. Men's pajamas. 393,294, Feb. 3, 1942. Republished Jan. 18. Class 39.
Enro Shirt Company, The, Louisville, Ky. Men's pajamas. 396,156, June 30, 1942. Republished Jan. 18. Class 39.
Erwin Cotton Mills Company: *See*—
Gribbon, Lange & Steven.

Escalante, Jose & Co., Chicago, Ill. Cigars. 301,345, Feb.

Franklin Silver Plate Company, by Rogers, Lunt & Bowlen

Goldberg Millinery Company, by Gold-Claire Hat Com-

Hall-Neal Furnace Co., Indianapolis, Ind. Warm air household furnace units. 397,264, Aug. 25, 1942. Re-

Escalante, Jose & Co., Chicago, Ill. Cigars. 301,345, Feb. 28, 1933. Republished Jan. 18. Class 17.
Escondido Co-Operative Citrus Association, Escondido, Calif. Fresh citrus fruits. 314,708, July 3, 1934. Republished Jan. 18. Class 46.
Escondido Co-Operative Citrus Association, Escondido, Calif. Fresh citrus fruits. 319,039, Nov. 13, 1934. Republished Jan. 18. Class 46.
Etablissements Raguet & Vignes, Societe A Responsabilite Limitee: *See*—
P. Raguet Fils & J. Vignes.
Ettelbrick Shoe Company, Greenup, Ill. Children's shoes. 364,789, Feb. 14, 1939. Republished Jan. 18. Class 39.
Ettelbrick Shoe Company, assignor to Step Master Shoes Incorporated, by Step Master Shoes, Incorporated, Greenup, Ill. Children's shoes. 398,235, Oct. 20, 1942. Republished Jan. 18. Class 39.
Eutectic Welding Alloys Corporation, New York, N. Y. Cutting electrodes composed of metal. 505,821, Jan. 18; Serial No. 546,684, published Sept. 21, 1948. Class 14.
Evans, David G., Coffee Company: *See*—
Meyer Bros. Coffee and Spice Co.
Meyer Brothers Coffee and Spice Company.
Evans, David G., Coffee Company, St. Louis, Mo. Syrups for flavoring beverages and for soft drinks. 350,797, Oct. 5, 1937. Republished Jan. 18. Class 45.
Fairmont Canning Company, Fairmont, Minn. Frozen prepared and partly prepared foods. 505,865, Jan. 18; Serial No. 499,544. Class 46.
Fashion Hosiery Mills, Inc., Boyertown, Pa. Hosiery. 335,746, June 16, 1936. Republished Jan. 18. Class 39.
Fawcett Publications, Inc., Greenwich, Conn. Monthly publication. 506,874, Jan. 18; Serial No. 509,699. Class 38.
Felts and Gunnels, Clovis, N. Mex. Liquid dandruff remover. 505,810, Jan. 18; Serial No. 545,114, published Oct. 5, 1948. Class 6.
Ferry-Morse Seed Co., Detroit, Mich. Seeds. 366,399, Apr. 11, 1939. Republished Jan. 18. Class 1.
Fiddelman, J., & Son, Inc., New York, N. Y. Finger rings. 505,745, Jan. 18; Serial No. 534,099, published Oct. 19, 1948. Class 28.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 292,757, Mar. 29, 1932. Republished Jan. 18. Class 46.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruits. 294,867, June 7, 1932. Republished Jan. 18. Class 46.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruit. 371,504, Sept. 26, 1939. Republished Jan. 18. Class 46.
Fillmore Citrus Association, Fillmore, Calif. Fresh citrus fruit. 396,516, July 21, 1942. Republished Jan. 18. Class 46.
Fillmore Lemon Association: *See*—
Bessing, Clarence.
Finkl, A., & Sons Company, Chicago, Ill. Steel used for die blocks, hot and cold trimmer dies, hot and cold coining dies, etc. 505,667, Jan. 18; Serial No. 494,490, published Sept. 21, 1948. Class 14.
Firetox Company: *See*—
Burnoyl Heating Corporation.
Fleetwood Coffee Company: *See*—
Trigg, Dobbs & Company.
Ford Motor Company, Pondson, to Ford Motor Company, Dearborn, Mich. Cement. 254,900, renewed Apr. 2, 1949. O. G. Jan. 18. Class 5.
Fort Dodge Laboratories, Inc., Fort Dodge, Iowa. Drench for veterinary use. 441,840, Jan. 18; Serial No. 500,000, published Nov. 26, 1946. Class 6.
Fortuna Machine Company, New York, N. Y. Skiving-machines and machines for drilling iron and steel. 67,254, Jan. 28, 1908. Republished Jan. 18. Class 28.
Foti, Giacomo, doing business as Rosa Food Products Co., Philadelphia, Pa. Olive oil. 441,847, Jan. 18; Serial No. 502,433, published Sept. 28, 1948. Class 46.
Fox, I. J., Inc., New York, N. Y. Cleaning fluid. 441,854, Jan. 18; Serial No. 506,591, published Oct. 5, 1948. Class 4.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Insecticide. 238,824, Feb. 14, 1928. Republished Jan. 18. Class 6.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Pepper sauce, jelly powder, cocoa, etc. 325,343, June 18, 1935. Republished Jan. 18. Class 46.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Powdered ingredient for non-alcoholic beverages. 350,133, Sept. 14, 1937. Republished Jan. 18. Class 45.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Powdered preparation for flavoring ice cubes, sherbets, and desserts. 350,502, Sept. 28, 1937. Republished Jan. 18. Class 46.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Prepared mustard. 392,973, Jan. 20, 1942. Republished Jan. 18. Class 46.
Franklin County Coal Corporation, Chicago, Ill. Bituminous coal. 505,715, Jan. 18; Serial No. 528,999, published Oct. 5, 1948. Class 1.
Franklin MacVeagh and Company, Chicago, Ill. Non-alcoholic maltless beverages. 324,025, May 7, 1935. Republished Jan. 18. Class 45.
Franklin Silver Plate Company, by Rogers, Lunt & Bowlen Company, Greenfield, Mass. Tableware. 167,680, May 8, 1923. Republished Jan. 18. Classes 3, 13, 22, 23, 28, and 40.
Freco Watch Corporation, New York, N. Y. Watches and watch movements. 505,774, Jan. 18; Serial No. 539,691, published Oct. 12, 1948. Class 27.
Freeman Shoe Corporation, Beloit, Wis. Men's and boys' shoes. 296,637, Aug. 16, 1932. Republished Jan. 18. Class 39.
Frenchie Frocks, Inc., to Nutting and Thaw, San Francisco, Calif. Ladies', misses', and children's wash frocks, staple and novelty smocks, and aprons. 250,305, renewed Dec. 4, 1948. O. G. Jan. 18. Class 39.
Freydberg Bros., Inc., Stamford, Conn., by Freydberg Bros.-Strauss, Inc., New York, N. Y. Ribbon composed of a plurality of parallel cotton threads or strands. 378,766, June 18, 1940. Republished Jan. 18. Class 7.
Freydberg Bros.-Strauss, Inc.: *See*—
Freydberg Bros., Inc.
Freydberg Bros.-Strauss, Inc., Stamford, Conn., and New York, N. Y., by Plexon, Inc., New York, N. Y. Thread coated with cellulosic material. 417,955, Nov. 20, 1945. Republished Jan. 18. Class 43.
Frober Faybor Company, Cleveland, by W. O. Frohring, Chagrin Falls, Ohio. Photometers. 349,248, Aug. 24, 1937. Republished Jan. 18. Class 26.
Frohring, William O.: *See*—
Frober Faybor Company.
Frontier Oil Refining Corporation, Buffalo, N. Y. Motor lubricating oil. 505,692, Jan. 18; Serial No. 523,893, published Oct. 12, 1948. Class 15.
Fruitland Canning Association, Inc., Fruitland, Idaho. Canned vegetables. 505,900, Jan. 18; Serial No. 535,019. Class 46.
Fulflo Specialties Company, to The Fulflo Specialties Company, Inc., Blanchester, Ohio. Pumps, grease guns, and blowers and parts thereof. 255,148, renewed Apr. 16, 1949. O. G. Jan. 18. Class 23.
Fulflo Specialties Company, Inc.: *See*—
Fulflo Specialties Company.
Fulton Bag & Cotton Mills, Atlanta, Ga. Tents. 241,478, renewed May 1, 1948. O. G. Jan. 18. Class 50.
Gallun, A. F., & Sons, by A. F. Gallun and Sons Corporation, Milwaukee, Wis. Vegetable-tanned leather. 83,573, Sept. 26, 1911. Republished Jan. 18. Class 1.
Gallun, A. F., and Sons Corporation: *See*—
Gallun, A. F., & Sons.
Galree Products Co., Inc., New York, N. Y. Moth preventative and insecticide. 505,724, Jan. 18; Serial No. 530,397, published Oct. 5, 1948. Class 6.
Garcia & Maggini Company, to A. Asher, doing business as Albert Asher Company, San Francisco, Calif. Dried fruits. 247,011, renewed Sept. 18, 1948. O. G. Jan. 18. Class 46.
Gavilan Citrus Association: *See*—
Holden, Arthur S.
Gaylord, Charles H., Chicago, Ill., by The Matchless Metal Polish Co., Chicago, Ill., and Glen Ridge, N. J. Lime, either in lump or powdered form. 122,273, July 16, 1918. Republished Jan. 18. Class 4.
Gem Canning Company, Emmett, Idaho. Canned corn. 505,902, Jan. 18; Serial No. 540,536. Class 46.
General Chain Company, Providence, R. I., by General Chain Company, Inc., North Attleboro, Mass. Jewelry. 262,573, Oct. 15, 1929. Republished Jan. 18. Class 28.
General Chain Company, Inc.: *See*—
General Chain Company.
General Chain Company, Inc., North Attleboro, Mass. Jewelry. 505,809, Jan. 18; Serial No. 544,993, published Sept. 28, 1948. Class 28.
General Dyestuff Corporation: *See*—
I. G. Farbenindustrie Aktiengesellschaft.
Metz, H. A., & Co.
General Dyestuff Corporation, New York, N. Y. Dyestuffs 241,918, May 8, 1928. Republished Jan. 18. Class 6.
General Paint Corporation: *See*—
California Paint Company.
General Textile Mills, Inc., New York, N. Y. Parachutes. 402,088, June 29, 1943. Republished Jan. 18. Class 19.
General Textile Mills, Inc., New York, N. Y. Sheets, plates, bars, rods, and tubes of heat molded laminates of fabric and phenol resins. 409,173, Sept. 19, 1944. Republished Jan. 18. Class 1.
General Textile Mills, Inc., New York, N. Y. Rigid and semirigid casings. 418,501, Jan. 1, 1946. Republished Jan. 18. Class 19.
Gisholt Machine Company, Madison, Wis. Metal working lathes. 505,678, Jan. 18; Serial No. 513,881, published June 22, 1948. Class 23.
Glass, Blanche D., doing business as Brown Palace Beauty Salon, Denver, Colo. Cosmetics and toilet preparations. 441,866, Jan. 18; Serial No. 514,271, published Oct. 19, 1948. Class 6.
Glass Containers, Inc., Los Angeles, Calif. Glass containers. 313,303, May 22, 1934. Republished Jan. 18. Class 33.
Globe Auto Glass Company, Chicago, Ill. Automobile plate and laminated glass. 505,843, Jan. 18; Serial No. 533,729, published Sept. 14, 1948. Class 33.
Globe Soap Company, The: *See*—
Procter & Gamble Company, The.
Gold-Claire Hat Company, Incorporated: *See*—
Goldberg Millinery Company.

Goldberg Millinery Company, by Gold-Claire Hat Company, Incorporated, Dallas, Tex. Hats for women. 324,127, May 14, 1935. Republished Jan. 18. Class 39.
Goldenbro Fabrics, Inc., by Stern and Stern Textiles, Inc., New York, N. Y. Piece goods of rayon. 415,861, Aug. 21, 1945. Republished Jan. 18. Class 42.
Goldenbro Fabrics, Inc., by Stern and Stern Textiles, Inc., New York, N. Y. Rayon and cotton piece goods. 416,707, Sept. 25, 1945. Republished Jan. 18. Class 42.
Goldner, Julius, doing business as Warwick Laboratories Company, Brooklyn, N. Y. Liquid radiator solder. 505,727, Jan. 18; Serial No. 530,932, published Sept. 28, 1948. Class 6.
Good Roads Machinery Company, Inc., The, by Good Roads Machinery Corporation, Kennett Square, Pa. Rock crushers, elevators, conveyers, etc. 208,520, Feb. 2, 1926. Republished Jan. 18. Class 23.
Good Roads Machinery Corporation: *See*—
American Road Machinery Company.
Good Roads Machinery Corporation, The: *See*—
Good Roads Machinery Company, Inc., The.
Gorton-Pew Fisheries Company, Ltd.: *See*—
Pearce, Frank C.
Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 505,730, Jan. 18; Serial No. 531,465, published Oct. 19, 1948. Class 27.
Graham Manufacturing Co., Inc., Holyoke, Mass. Paper napkins, paper towels, and toilet paper. 357,825, May 31, 1938. Republished Jan. 18. Class 37.
Grandin, D. H., Milling Company, Jamestown, N. Y. Stock feeds. 377,622, May 7, 1940. Republished Jan. 18. Class 46.
Gray & Co., Minneapolis, Minn. Tanks fitted with lead lines, valves, and for the individual containers for chemical agents, etc. 441,832–3, Jan. 18; Serial Nos. 480,902–3, published Sept. 7, 1948. Class 31.
Great American Tea Company, The, New York, N. Y. Liquid preparation for cleaning glass and a general household cleanser in powder form. 505,832, Jan. 18; Serial No. 550,501, published Oct. 12, 1948. Class 4.
Great American Tea Company, The, New York, N. Y. Preparation in powder form for cleaning closet bowls. 505,833, Jan. 18; Serial No. 550,502, published Oct. 12, 1948. Class 4.
Great American Tea Company, The, New York, N. Y. Cleanser pads; a preparation in powder form for general household cleaning, etc. 505,834, Jan. 18; Serial No. 550,503, published Oct. 12, 1948. Class 4.
Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick, fire-brick cement, and fire-clay tile. 505,910, Jan. 18; Serial No. 544,078. Class 12.
Green, Robert M., & Sons, Inc., Philadelphia, Pa. Soda fountains. 505,719, Jan. 18; Serial No. 529,638, published Sept. 28, 1948. Class 23.
Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. 364,774, Feb. 14, 1939. Republished Jan. 18. Class 39.
Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. 367,759, May 30, 1939. Republished Jan. 18. Class 39.
Greyor Watch Co., New York, N. Y. Watches, clocks, and parts thereof, etc. 441,872, Jan. 18; Serial No. 517,720, published Oct. 19, 1948. Class 27.
Gribbon, Lange & Steven, New York, N. Y., by Erwin Cotton Mills Company, Durham, N. C. Cotton piece goods. 90,325, Feb. 18, 1913. Republished Jan. 18. Class 42.
Griffin Manufacturing Company, Inc., Brooklyn, N. Y. Cleaning fluid, and liquid preparation for cleaning and polishing shoes. 505,835, Jan. 18; Serial No. 550,693, published Oct. 12, 1948. Class 4.
Groub, John C., Company, The, Seymour and Mitchell, Ind. Wheat flour. 273,378, Aug. 5, 1930. Republished Jan. 18. Class 46.
Gsell, R., & Co., Inc., New York, N. Y. Watches, watch movements, watchcases and parts thereof. 441,862, Jan. 18; Serial No. 511,150, published Oct. 12, 1948. Class 27.
Gunther's, C. G., Sons, New York, N. Y. Garments and wearing apparel. 245,142–4, renewed Aug. 7, 1948. O. G. Jan. 18. Class 39.
Guttman, Joseph, & Bros.: *See*—
Guttman, Joseph, & Bros., Inc.
Guttman, Joseph, & Bros., Inc., by Joseph Guttman & Bros., New York, N. Y. Ladies' and misses' sweaters. 369,710, Aug. 1, 1939. Republished Jan. 18. Class 39.
Guy, Ralph L., doing business as The Rig Company, Glendale, Calif. Iodine preparation. 505,808, Jan. 18; Serial No. 543,701, published Oct. 12, 1948. Class 6.
Gwaltney, P. D., Jr. & Co., Inc., Smithfield, Va. Cured meats. 284,213, June 16, 1931. Republished Jan. 18. Class 46.
H. L. P. Manufacturing Company, Houston, Tex. Welding compound. 505,769, Jan. 18; Serial No. 539,051, published Oct. 5, 1948. Class 6.
H. P. Coffee Company, St. Louis, Mo. Coffee. 364,761, Feb. 4, 1941. Republished Jan. 18. Class 46.
Hahn, William, & Company, Washington, D. C. Leather shoes. 285,153, July 14, 1931. Republished Jan. 18. Class 39.
Hahn, William, & Company, Washington, D. C. Shoes. 364,044, Jan. 17, 1939. Republished Jan. 18. Class 39.
Hahn, William, & Company, Washington, D. C. Shoes. 374,367, Jan. 9, 1940. Republished Jan. 18. Class 39.
Hall-Neal Furnace Co., Indianapolis, Ind. Warm air household furnace units. 397,264, Aug. 25, 1942. Republished Jan. 18. Class 34.
Hall-Neal Furnace Co., Indianapolis, Ind. Warm air household furnace units with and without air conditioning equipment. 401,231, May 4, 1943. Republished Jan. 18. Class 34.
Hall-Neal Furnace Co., Indianapolis, Ind. Motor driven oil burners. 401,508, May 25, 1943. Republished Jan. 18. Class 34.
Hampden Color and Chemical Company, Springfield, Mass. Detergents for industrial usage. 505,742, Jan. 18; Serial No. 533,563, published Oct. 5, 1948. Class 4.
Harlin Bros., Indianapolis, Ind. Mechanically grooved phonograph records, guitars, and mandolins, etc. 505,897, Jan. 18; Serial No. 533,223. Class 36.
Harper-Wyman Company, Chicago, Ill. Burner systems for gas stoves and ranges. 505,686, Jan. 18; Serial No. 518,596, published Oct. 12, 1948. Class 34.
Harper-Wyman Company, Chicago, Ill. Gas valves for gas stove and gas range burners. 505,687, Jan. 18; Serial No. 518,723, published Oct. 12, 1948. Class 34.
Harper-Wyman Company, Chicago, Ill. Gas burners and parts thereof. 505,688, Jan. 18; Serial No. 518,951, published Sept. 28, 1948. Class 34.
Harris & Filler Co., The, to Harris & Filler, Inc., Frederick, Md. Canned vegetables. 250,583, renewed Dec. 11, 1948. O. G. Jan. 18. Class 46.
Harris & Filler, Inc.: *See*—
Harris & Filler Co., The.
Hat Corporation of America: *See*—
Dobbs & Co.
Dunlap & Co.
Knox Hat Company, Inc.
Haxton Canning Company, Inc., by Haxton Foods, Inc., Oakfield, N. Y. Canned fruits and vegetables, frozen fruits, etc. 402,666, Aug. 10, 1943. Republished Jan. 18. Class 46.
Haxton Foods, Inc.: *See*—
Haxton Canning Company, Inc.
Hayward Manufacturing Company Inc., Brooklyn, N. Y. Oil burners, parts thereof, and accessories thereto. 505,775, Jan. 18; Serial No. 539,698, published Oct. 12, 1948. Class 34.
Healthways, Los Angeles, Calif. Sporting goods. 441,837, Jan. 18; Serial No. 497,541, published Sept. 21, 1948. Class 22.
Hecht Bros.: *See*—
Hecht Co., The.
Hecht Co., The, Washington, D. C., also doing business as Hecht Bros., New York, N. Y., and The Hub, Baltimore, Md. Watches. 441,881, Jan. 18; Serial No. 524,653, published Jan. 6, 1948. Class 27.
Heddon's, James, Sons, Dowagiac, Mich. Artificial baits. 230,453, July 26, 1927. Republished Jan. 18. Class 22.
Heddon's, James, Sons, Dowagiac, Mich. Fishing rods. 505,905, Jan. 18; Serial No. 541,838. Class 22.
Helbros Watch Company, Inc., New York, N. Y. Watches. 505,782, Jan. 18; Serial No. 540,671, published Oct. 12, 1948. Class 27.
Henderson Bros. Corporation, by Henderson, Inc., Johnstown, Pa. Shoe dressing and polish. 278,184, Dec. 9, 1930. Republished Jan. 18. Class 4.
Henderson, Inc.: *See*—
Henderson Bros. Corporation.
Hillyard Chemical Company: *See*—
Hillyard, Newton S.
Hillyard, Newton S., doing business as Hillyard Chemical Company, St. Joseph, Mo., by Hillyard Chemical Company. Furniture-cleaning compound. 199,628, June 16, 1925. Republished Jan. 18. Class 4.
Hobby Stationers: *See*—
Dyer, D. L.
Hobby Stationers, Inc.: *See*—
Dyer, D. L.
Hobson, J. H., Co., North Attleboro, Mass. Tie holders and religious goods, jewelry. 505,787, Jan. 18; Serial No. 541,543, published Oct. 19, 1948. Class 28.
Hoffman-La Roche Inc., Nutley, N. J. Preparations exhibiting antispasmodic and antihistaminic activity. 441,876, Jan. 18; Serial No. 521,132, published Nov. 11, 1947. Class 6.
Holden, Arthur S., doing business as Gavilan Citrus Association, by Gavilan Citrus Association, Arlington, Calif. Citrus fruits. 347,630, June 29, 1937. Republished Jan. 18. Class 46.
Holland-Rantos Company, Inc., New York, N. Y. Vaginal jelly. 505,674, Jan. 18; Serial No. 509,343, published Oct. 5, 1948. Class 6.
Horn & Hardart Baking Company, Philadelphia, Pa. Cooked meats. 505,906, Jan. 18; Serial No. 542,125. Class 46.
Horst, E. Clemens, Co., San Francisco, Calif. Hops. 505,892, Jan. 18; Serial No. 527,458. Class 1.
Hortex Mfg. Co., by Hortex Mfg. Co., Inc., El Paso, Tex. Children's play suits. 385,497, Mar. 4, 1941. Republished Jan. 18. Class 39.
Hortex Mfg. Co., Inc.: *See*—
Hortex Mfg. Co.
Horton Manufacturing Company, Fort Wayne, Ind. Washing machines. 363,564, Jan. 3, 1939. Republished Jan. 18. Class 24.
Hotstream Heater Company, The: *See*—
Mendelson, Louis R.

Hotstream Heater Company, The, Cleveland, Ohio. Gas

International Silver Company, The, Meriden, Conn.

Klinger, Richard, Aktiengesellschaft: *See*—
Klinger, Richard.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation containing vitamin A. 441,839, Jan. 18; Serial No. 499,247, published Mar. 11, 1947. Class 6.

Hotstream Heater Company, The, Cleveland, Ohio. Gas and oil water heaters. 219,769, Oct. 26, 1926. Republished Jan. 18. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Gas and oil water heaters. 240,045, Nov. 6, 1928. Republished Jan. 18. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Automatic draft controls. 290,644, Jan. 12, 1932. Republished Jan. 18. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Gas, oil, and electric water heaters. 333,901, Apr. 14, 1936. Republished Jan. 18. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Combination traps and filters. 345,588, May 4, 1937. Republished Jan. 18. Class 13.

Hotstream Heater Company, The, doing business as Pioneer Heater Company, Cleveland, Ohio. Gas water heaters. 349,786, Sept. 7, 1937. Republished Jan. 18. Class 34.

Hotstream Heater Company, The, Cleveland, Ohio. Pressure responsive electric controllers. 411,192, Jan. 9, 1945. Republished Jan. 18. Class 21.

Household Automatic Heat, Inc., assignor to Household Fuel Corporation, New York, N. Y. Oil burners for domestic and industrial heating purposes. 505,878, Jan. 18; Serial No. 517,308. Class 34.

Household Fuel Corporation: *See*—
Household Automatic Heat, Inc.

Hub, The: *See*—
Hecht Co., The.

Hudson's Eumenthol Chemical Company Pty. Limited, Glebe, Sydney, New South Wales, Australia. Medicated lozenges. 505,817, Jan. 18; Serial No. 545,627, published Oct. 5, 1948. Class 6.

Huebner, Arthur F., doing business as Nu-Klear, Bay City, Mich. Window, mirror, furniture, and glass cleaning preparation. 505,891, Jan. 18; Serial No. 524,661. Class 4.

Huribut Paper Company, South Lee, Mass. Writing and printing paper. 505,908, Jan. 18; Serial No. 543,354. Class 37.

Hussey, C. G., & Company: *See*—
Copper Range Company.

Hyde Manufacturing Company, Southbridge, Mass. Shoe knives, lip knives, skiving knives, etc. 505,788, Jan. 18; Serial No. 541,783, published Oct. 5, 1948. Class 23.

I. G. Farbenindustrie Aktiengesellschaft, Leverkusen, near Cologne-on-the-Rhine, Germany, by General Dyestuff Corporation, New York, N. Y. Compositions for sizing, stiffening, and finishing thread, yarns, and other textile materials. 228,362, May 31, 1927. Republished Jan. 18. Class 6.

Illinois Farm Supply Company, Chicago, Ill. Motor lubricating oil. 505,690, Jan. 18; Serial No. 522,009, published Sept. 14, 1948. Class 15.

Inderrieden, J. B., Co., The: *See*—
Waukesha Canning Co.

Industrial Hosiery Mills: *See*—
Leininger, George H.

Industrial Hosiery Mills, Inc.: *See*—
Leininger, George H.

Inerto Company: *See*—
Plaut, Carl S.

Inerto Company, The: *See*—
Plaut, Carl S.

Inland Rubber Corporation, Chicago, Ill. Tubes, tires, V-belts, etc. 505,731, Jan. 18; Serial No. 531,598, published Oct. 5, 1948. Class 35.

Inland Rubber Corporation, Chicago, Ill. Tubes, tires, V-belts, etc. 505,732, Jan. 18; Serial No. 531,601, published Oct. 5, 1948. Class 35.

Inland Rubber Corporation, Chicago, Ill. Vehicle tires. 505,733, Jan. 18; Serial No. 531,606, published Oct. 5, 1948. Class 35.

Inland Steel Company: *See*—
Anderson, Brooke.

Inland Steel Company, Chicago, Ill. Ferrous sheets, strips, bars, etc. 505,666, Jan. 18; Serial No. 494,273, published Sept. 21, 1948. Class 14.

Inland Steel Company, Chicago, Ill. Steel. 505,718, Jan. 18; Serial No. 529,264, published Sept. 21, 1948. Class 14.

Inland Steel Company, Chicago, Ill. Galvanized steel in sheet form. 505,770, Jan. 18; Serial No. 539,322, published Sept. 21, 1948. Class 14.

Innes, Henderson & Co., Ltd., Hawick, Scotland. Knitted underwear for men and women, men's trousers, jackets, and sweaters, etc. 201,334, July 21, 1925. Republished Jan. 18. Class 39.

Innoxa, Societe A Responsibilite Limitee: *See*—
Societe Anonyme des Laboratories Innoxa.

Instant Products Manufacturing Company, The: *See*—
Moshier, E. B.

Inter-City Mills: *See*—
Rodney Milling Company.

International Harvester Company, Chicago, Ill. Lubricating oils for machinery. 505,672, Jan. 18; Serial No. 504,618, published Sept. 14, 1948. Class 15.

International Manufacturing Co., The, New York, N. Y. Handkerchiefs. 71,966–7, Dec. 22, 1908. Corrected. O. G. Jan. 18. Class 39.

International Silver Company, The, Meriden, Conn. Silver-plated flat-ware. 505,734, Jan. 18; Serial No. 531,607, published Aug. 24, 1948. Class 28.

International Silver Company, The, Meriden, Conn. Sterling silver flat-ware and hollow-ware. 505,749, Jan. 18; Serial No. 534,785, published Aug. 31, 1948. Class 28.

International Silver Company, The, Meriden, Conn. Silver-plated hollow-ware. 505,793, Jan. 18; Serial No. 542,026, published Oct. 12, 1948. Class 28.

Interstate Dry Goods Syndicate, Huntington, W. Va. Hosiery. 209,721, Mar. 2, 1926. Republished Jan. 18. Class 39.

Intertype Corporation, Brooklyn, N. Y. Type-character-bearing elements for use in typographical machines. 505,876, Jan. 18; Serial No. 513,252. Class 23.

Irvington Company, The: *See*—
Phillippi, Louis P.

Irwin Auger Bit Company, The, Wilmington, Ohio. Auger bits. 358,155, June 28, 1938. Republished Jan. 18. Class 23.

Isle, W. E., Company, also doing business under the name and style of Knit-Rite Company, Kansas City, Mo. Artificial limb parts. 505,763, Jan. 18; Serial No. 537,379, published Oct. 26, 1948. Class 44.

Ivo, Inc.: *See*—
Phillippi, Louis P.

Jack Bros. & McBurney Co., by E. L. Jack, Brawley, Calif. Fresh cantaloupe, fresh vegetables, fresh deciduous fruits, etc. 331,974, Jan. 28, 1936. Republished Jan. 18. Class 46.

Jack, Earl L.: *See*—
Jack Bros. & McBurney Co.

Jack Rabbit Candy Company: *See*—
Tuchschmidt, Eugene A.

Jackson Brewing Company, New Orleans, La. Nonalcoholic malt cereal beverages. 250,347, Dec. 4, 1928. Republished Jan. 18. Class 48.

Jaeger Watch Company, Inc., New York, N. Y. Watches and clocks. 505,784, Jan. 18; Serial No. 541,300, published Oct. 19, 1948. Class 27.

Jaeger Watch Company, Inc., New York, N. Y. Watches and clocks. 505,785, Jan. 18; Serial No. 541,303, published Oct. 19, 1948. Class 27.

Janszen Company, The, Cincinnati, Ohio. Vegetable seeds. 255,038, renewed Apr. 9, 1949. O. G. Jan. 18. Class 46.

Jardin Associates, Inc., New York, N. Y. Vibration-control and noise-control blocks. 441,851, Jan. 18; Serial No. 505,753, published Sept. 28, 1948. Class 23.

Jennison, W. J., Company, Minneapolis, Minn. Wheat flour. 45,183, Aug. 8, 1905. Republished Jan. 18. Class 46.

Jensen, Georg., Inc., New York, N. Y. Base metal knives, forks, spoons, etc. 505,671, Jan. 18; Serial No. 504,360, published Sept. 28, 1948. Class 22.

Jersey-Creme Co., Fort Worth, Tex., by The Julep Company, Chicago, Ill. Non-alcoholic tonic beverages. 82,444, June 27, 1911. Republished Jan. 18. Class 45.

Joy Manufacturing Company: *See*—
Sullivan Machinery Company.

Juilliard, A. D., & Co., Inc., New York, N. Y. Corduroy goods in the piece. 374,970, Jan. 30, 1940. Republished Jan. 18. Class 42.

Juilliard, A. D., & Co., Inc., New York, N. Y. Worsted and woolen piece goods. 424,138, Sept. 24, 1946. Republished Jan. 18. Class 42.

Julep Company, The: *See*—
Jersey-Creme Co.

Julep Company, The, Chicago, Ill. Non-alcoholic maltless beverages, soda fountain syrups, bottlers' flavors, etc. 371,153, Sept. 19, 1939. Republished Jan. 18. Class 45.

K & K Product, by Czeslawa Kowalewski, doing business as K & K Products, Chicago, Ill. Holder or frame for lacework and the like. 370,699, Sept. 5, 1939. Republished Jan. 18. Class 40.

K & K Products: *See*—
K & K Product.

Kahn, Alexander L., to Alkahn Silk Label Co., Inc., New York, N. Y. Woven labels. 73,551, re-renewed Apr. 27, 1949. O. G. Jan. 18. Class 38.

Keene-Belvidere Canning Company, Belvidere, Ill., by Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas and corn. 222,561, Jan. 4, 1927. Republished Jan. 18. Class 46.

Kelco Company, San Diego, Calif. Algin or algin-carrageenin composition. 434,988, Dec. 9, 1947. Republished Jan. 18. Class 46.

Kendall Company, The, Boston, Mass., by Consolidated Royal Chemical Corporation, Chicago, Ill. Hand lotion. 315,767, Aug. 7, 1934. Republished Jan. 18. Class 6.

Kerr Glass Manufacturing Corporation, Sand Springs, Okla. Glass jars. 505,740, Jan. 18; Serial No. 533,173, published Sept. 7, 1948. Class 33.

Killinger Company, The, Marion, Va. Knitted textile bags. 434,573, Nov. 25, 1947. Republished Jan. 18. Class 2.

King Candy Co., Fort Worth, Tex. Candies. 171,257, July 31, 1923. Republished Jan. 18. Class 46.

Klein's Sporting Goods: *See*—
Klein's Sporting Goods, Inc.

Klein's Sporting Goods, Inc., Chicago, Ill., assignee of Klein's Sporting Goods. Annual publication. 505,861, Jan. 18; Serial No. 494,079. Class 38.

Klinger, Richard, to Richard Klinger Aktiengesellschaft, Gumpoldskirchin, Austria. Packing materials. 50,978, re-renewed Apr. 3, 1946. O. G. Jan. 18. Class 35.

Klinger, Richard, Aktiengesellschaft: *See*—
Klinger, Richard.

Knit-Rite Company: *See*—
Isle, W. E., Company.

Knox Hat Company, Inc., to Hat Corporation of America, Norwalk, Conn. Mufflers, scarfs, etc. 123,910, Dec. 17, 1918. New certificate. O. G. Jan. 18. Class 39.

Knox Hat Company, Inc., to Hat Corporation of America, Norwalk, Conn. Caps and hats; leather and fabric gloves, etc. 130,198, Apr. 13, 1920. New certificate. O. G. Jan. 18. Class 39.

Knox Hat Company, Inc., to Hat Corporation of America, Norwalk, Conn. Hats for men. 223,738, Feb. 8, 1927. New certificate. O. G. Jan. 18. Class 39.

Knox Hat Company, Inc., to hat Corporation of America, Norwalk, Conn. Feather hat ornaments; decorative hat pieces. 260,848, Aug. 27, 1929. New certificate. O. G. Jan. 18. Class 40.

Knox Hat Company, Inc., to Hat Corporation of America, Norwalk, Conn. Men's leather hat boxes, etc. 278,084, Dec. 2, 1930. New certificate. O. G. Jan. 18. Class 3.

Kohler & Campbell, Inc., New York, N. Y. Pianos. 441,856, Jan. 18; Serial No. 507,190, published Oct. 5, 1948. Class 36.

Kolled Kords Incorporated: *See*—
Cordage, Incorporated.

Koppe, Gustave E., doing business as The Elkloid Company, by The Elkloid Company, Providence, R. I. Dice, dice shakers, dominoes, etc., 249,951, Nov. 27, 1928. Republished Jan. 18. Class 22.

Kotzin, Tobias, doing business as A-1 Manufacturing Co., Los Angeles, Calif. Clothing. 254,559, renewed Mar. 26, 1949. O. G. Jan. 18. Class 39.

Kowalewski, Czeslawa: *See*—
K & K Product.

Krank, A. J., Company, St. Paul, Minn., by Consolidated Royal Chemical Corporation, Chicago, Ill. Face lotion. 280,107, Feb. 10, 1931. Republished Jan. 18. Class 6.

Krank, A. J., Mfg. Co., St. Paul, Minn., by Consolidated Royal Chemical Corporation, Chicago, Ill. Vanishing and massage cream. 170,745, July 24, 1923. Republished Jan. 18. Class 6.

Kuhn, Otto L., Co., Milwaukee, Wis. Canned fish. 335,603, June 9, 1936. Republished Jan. 18. Class 46.

La Cie. Pharmaceutique Desbergers, by Desbergers Limited, Montreal, Quebec, Canada. Hematinic iron for anemia. 391,703, Nov. 18, 1941. Republished Jan. 18. Class 6.

La Compagnie Pharmaceutique Desbergers, by Desbergers, Limited, Montreal, Quebec, Canada. Pharmaceutical product. 374,966, Jan. 30, 1940. Republished Jan. 18. Class 6.

La Compagnie Pharmaceutique Desbergers, by Desbergers, Limited, Montreal, Quebec, Canada. Chemical compound. 375,548, Feb. 20, 1940. Republished Jan. 18. Class 6.

Lambey, Marie Adelaide, Veuve de Philippe Joseph Heidelberger, to Societe Anonyme Champagne De Saint-Marceaux, Reims, France. Champagne and sparkling wines. 164,876, renewed Feb. 27, 1943. O. G. Jan. 18. Class 47.

Langley Corporation, San Diego, Calif. Fishing reels. 505,903, Jan. 18; Serial No. 540,685. Class 22.

La Verne Orange Association, La Verne, Calif. Fresh citrus fruits. 384,209, Jan. 7, 1941. Republished Jan. 18. Class 46.

Lawlor, Joseph W., doing business as Atlantic Cable Splicing Co., Montrose, Calif. Special device coated with DDT crystals. 441,846, Jan. 18; Serial No. 501,991, published Oct. 19, 1948. Class 6.

Lax & Burgheimer, Inc.: *See*—
Lax & Strauss, by Lax & Burgheimer, Inc., New York.
Mayer, M. & C.

Lax & Strauss, by Lax & Burgheimer, Inc., New York, N. Y. Knit underwear. 82,995, Aug. 8, 1911. Republished Jan. 18. Class 39.

Lee Manufacturing Company, Inc., by Shreveport Garment Manufacturers, Shreveport, La. Men's and boys' overalls, jumpers, work-pants, etc. 398,268, Oct. 20, 1942. Republished Jan. 18. Class 39.

Lee, William W., Troy, N. Y., by William W. Lee & Co., Watervliet, N. Y. Croup specific. 45,786, Aug. 29, 1905. Republished Jan. 18. Class 6.

Lee, William W., & Co.: *See*—
Lee, William W.

Legge, Walter G. Company, Inc., New York, N. Y. Cleanser. 505,736, Jan. 18; Serial No. 532,140, published Oct. 5, 1948. Class 4.

Lehn & Fink Products Corporation, Bloomfield, N. J. Dry rouge, cream rouge, lipsticks, and nail polish. 505,826, Jan. 18; Serial No. 549,261, published June 22, 1948. Class 6.

Leininger, George H., doing business as Industrial Hosiery Mills, by Industrial Hosiery Mills, Inc., Mohnton, Pa. Hosiery. 161,200, Nov. 7, 1922. Republished Jan. 18. Class 39.

Lentini Oil & Products Co., Inc., Brooklyn, N. Y. Mixture of olive oil and peanut oil used for food purposes. 505,904, Jan. 18; Serial No. 541,003. Class 46.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 152,860, Mar. 7, 1922. Republished Jan. 18. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 153,227, Mar. 14, 1922. Republished Jan. 18. Class 17.

Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. 313,810, June 12, 1934. Republished Jan. 18. Class 17.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation containing vitamin A. 441,839, Jan. 18; Serial No. 499,247, published Mar. 11, 1947. Class 6.

Lind, William: *See*—
Reid, A. L., & Co.

Lind, William, Co. *See*—
Reid, A. L., & Co.

Lindstrom, H. E., doing business as Acme Broom Company, by Zephyr Manufacturing Co., Sedalia, Mo. Brooms. 354,160, Feb. 1, 1938. Republished Jan. 18. Class 29.

Logan-Long Company, The, Chicago, Ill. Building material. 295,718, July 12, 1932. Republished Jan. 18. Class 12.

Lyons, Percival, Hove, England. Electro-therapeutic appliances. 441,886, Jan. 18; Serial No. 526,328, published Oct. 5, 1948. Class 44.

M. E. C. Limited, London, England, by Teleflex Incorporated, Philadelphia, Pa. Mechanical remote control devices. 360,963, Oct. 4, 1938. Republished Jan. 18. Class 23.

Mack, Herbert H., Topeka, Kans. Turntables. 368,863, July 4, 1939. Republished Jan. 18. Class 23.

Mack Manufacturing Corporation, New York, N. Y. Driving axles for vehicles. 441,859, Jan. 18; Serial No. 509,227, published Sept. 28, 1948. Class 23.

Magic Maid Laboratories: *See*—
Wilkes, Frederic.

Mallard, A. E.: *See*—
Mallard, Karl.

Mallard, A. E., Laboratories, Inc.: *See*—
Mallard, Karl.

Mallard, Karl, doing business as A. E. Mallard, by A. E. Mallard Laboratories, Inc., Detroit, Mich. Medial preparation. 389,678, Aug. 19, 1941. Republished Jan. 18. Class 6.

Manhattan Coil Corporation, Atlanta, Ga. Electrical insulating tape. 505,881, Jan. 18; Serial No. 518,019. Class 21.

Marine Craft Corporation of America: *See*—
Cohn, Henry.

Maritime Milling Co. Inc., Buffalo, N. Y. Chicken feed. 284,352, June 23, 1931. Republished Jan. 18. Class 46.

Marks and Spencer Sales Corporation: *See*—
Exchange Trading Corporation.

Marks and Spencer Sales Corporation, by Exchange Trading Corporation, New York, N. Y. Piece goods of wool, worsted, and cotton. 403,676, Oct. 12, 1943. Republished Jan. 18. Class 42.

Martin-Copeland Company, Providence, R. I. Spectacles, spectacle-frames, and mountings for eyeglasses. 128,449, Jan. 6, 1920. Republished Jan. 18. Class 26.

Marvel Co., The: *See*—
Cridlebaugh, J. Clayton.

Marvel Industries, Inc.: *See*—
Wagner, Carl J.

Marvel Trailer Parts Company: *See*—
Wagner, Carl J.

Mason, Au & Magenheimer Conf. Mfg. Co.: *See*—
Mason, Au & Magenheimer Confectionery Manufacturing Co.

Mason, Au & Magenheimer Conf. Mfg. Co., New York, by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies and sweetmeats. 47,828, Nov. 21, 1905. Republished Jan. 18. Class 46.

Mason, Au & Magenheimer Confectionery Manufacturing Co., by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Chocolates. 124,257, Jan. 28, 1919. Republished Jan. 18. Class 46.

Mason, Au & Magenheimer Conf. Mfg. Co., by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies and chocolates. 128,451, Jan. 6, 1920. Republished Jan. 18. Class 46.

Mason & Mason, Inc., Chicago, Ill. Root beer. 505,901, Jan. 18; Serial No. 536,267. Class 45.

Matanzas Cordage Company: *See*—
Compania De Jarcia De Matanzas S. A.

Matchless Metal Polish Co., The: *See*—
Gaylord, Charles H.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Material for cleaning and polishing metal, glass, and marble. 57,565, Nov. 13, 1906. Republished Jan. 18. Class 4.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Material for cleaning and polishing metal, glass, and marble. 57,736, Nov. 27, 1906. Republished Jan. 18. Class 4.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Buffing and polishing compound. 120,136–7, Jan. 8, 1918. Republished Jan. 18. Class 4.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Buffing or polishing composition. 128,453, Jan. 6, 1920. Republished Jan. 18. Class 4.

Matchless Metal Polish Co., The, Chicago, Ill., and Glen Ridge, N. J. Buffing and polishing compound. 186,271, July 8, 1924. Republished Jan. 18. Class 4.

Mayer, M. & C., by Lax & Burgheimer, Inc., New York, N. Y. Knit hosiery and underwear. 49,908–9, Feb. 20, 1906. Republished Jan. 18. Class 39.

McCambridge & McCambridge Co., The, Baltimore, Md. Chemical composition for the prevention of corrosion. 505,813, Jan. 18; Serial No. 545,383, published Oct. 5, 1948. Class 6.

McClintock-Trunkey Co., The, Spokane, Wash. Canned tuna fish, butter, coffee, etc. 250,097, renewed Nov. 27, 1948. O. G. Jan. 18. Class 46.

McCray Refrigerator Company, Kendallville, Ind. Mechanically operated domestic and commercial refrigerators. 505,710, Jan. 18; Serial No. 528,732, published Sept. 28, 1948. Class 31.

Mueller Co., Decatur, Ill. Combination tool for drilling, tapping, and reaming in metal and other material working. 377,764, May 14, 1940. Republished Jan. 18. Class 23.

Ohio Oil Company, The, Findlay, Ohio. Motor fuel oil, fuel oil, lubricating oils, etc. 505,751, Jan. 18; Serial No. 534,804, published Oct. 5, 1948. Class 15.

Omaha Packing Company: *See*—
Omaha Packing Company, Inc.

Pangburn Company, Inc., Fort Worth, Tex. Candy. 407,530, June 6, 1944. Republished Jan. 18. Class 46.

Pan-Tone Drug Company, The: *See*—
Pan-American Drug Company, Inc.

Paraffine Companies, Inc., The: *See*—

McCray Refrigerator Company, Kendallville, Ind. Mechanically operated domestic and commercial refrigerators. 505,710, Jan. 18; Serial No. 528,732, published Sept. 28, 1948. Class 31.

McFeely Brick Company, Latrobe, Pa. Firebricks. 434,708, Dec. 2, 1947. Republished Jan. 18. Class 12.

McKeon Canning Co., Inc., Burbank, Calif. Canned fruits. 183,351, Apr. 29, 1924. Republished Jan. 18. Class 46.

Mendelson, Louis R., by The Hotstream Heater Company, Cleveland, Ohio. Gas, gasolene, and vapor water-heaters and drafthoods therefor. 127,445, Nov. 11, 1919. Republished Jan. 18. Class 34.

Mendelson, Palmer C., Co., San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. 434,562, Nov. 25, 1947. Republished Jan. 18. Class 46.

Mennen Company, The, Newark, N. J. Skin lotion. 505,804, Jan. 18; Serial No. 543,209, published Oct. 5, 1948. Class 6.

Mennen Company, The, Newark, N. J. Toilet powder, talcum powder, medicated powder, etc. 505,807, Jan. 18; Serial No. 543,311, published Oct. 5, 1948. Class 6.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Rods or wire. 505,795, Jan. 18; Serial No. 542,614, published Sept. 21, 1948. Class 14.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Rods or wires. 505,796, Jan. 18; Serial No. 542,615, published Sept. 21, 1948. Class 14.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Wire or rod. 505,797, Jan. 18; Serial No. 542,617, published Sept. 21, 1948. Class 14.

Metallizing Engineering Co. Inc., Long Island City, N. Y. Rods or wire. 505,798–9, Jan. 18; Serial Nos. 542,618–19, published Sept. 21, 1948. Class 14.

Metz, H. A., & Co., by General Dyestuff Corporation, New York, N. Y. Chemical used to treat dyed goods. 68,085, Mar. 10, 1908. Republished Jan. 18. Class 6.

Mexico Refractories Company, Mexico, Mo. Firebrick. 505,790, Jan. 18; Serial No. 541,939, published Sept. 21, 1948. Class 12.

Meyer Brothers Coffee and Spice Company, by David G. Evans Coffee Company, St. Louis, Mo. Coffee. 49,002, Jan. 16, 1906. Republished Jan. 18. Class 46.

Meyer Bros. Coffee and Spice Co., by David G. Evans Coffee Company, St. Louis, Mo. Teas, mustard, coffee, etc. 127,639, Nov. 18, 1919. Republished Jan. 18. Class 46.

Miksich, John W., doing business as Des Moines Janitor Supply Co., Des Moines, Iowa. General cleaning preparation. 254,268, renewed Mar. 19, 1949. O. G. Jan. 18. Class 4.

Miller, William J., Milwaukee, Wis. News feature. 371,186, Sept. 19, 1939. Republished Jan. 18. Class 38.

Minnesota Valley Canning Company: *See*—
Keene-Belvidere Canning Company.

Miro-Flex Company, Inc.: *See*—
Rich Signs Corporation.

Mission Fruit & Vegetable Co.: *See*—
Mission Fruit & Vegetable Co., Inc.

Mission Fruit & Vegetable Co., Inc., by Mission Fruit & Vegetable Co., Mission, Tex. Fresh citrus fruits. 355,153, Mar. 8, 1938. Republished Jan. 18. Class 46.

Modern Handcraft, Inc., Kansas City, Mo. Magazine published monthly. 505,911, Jan. 18; Serial No. 549,825. Class 38.

Monark Egg Corporation, Kansas City, Mo. Eggs. 375,421, Feb. 20, 1940. Republished Jan. 18. Class 46.

Monumental Bowling and Billiard Supply Company, Baltimore, Md. Bowling pins. 441,852, Jan. 18; Serial No. 506,183, published Oct. 8, 1946. Class 22.

Moore, John Hudson, Inc., New York, N. Y. Smokers' pipes, ashtrays, ash receivers, etc. 505,898, Jan. 18; Serial No. 534,145. Class 8.

Morris, Harry, Associates, Chicago, Ill. Jewelry. 441,874, Jan. 18; Serial No. 518,473, published Feb. 10, 1948. Class 28.

Morten Milling Company, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 221,548, Dec. 7, 1926. Republished Jan. 18. Class 46.

Morton Manufacturing Corporation, doing business as Snow White Products Company, Lynchburg, Va. Lemon cream. 505,689, Jan. 18; Serial No. 520,761, published Oct. 19, 1948. Class 6.

Morton Manufacturing Corporation, doing business as Chap Stick Co., Lynchburg, Va. Hand and skin balm. 505,838, Jan. 18; Serial No. 551,573, published Oct. 19, 1948. Class 6.

Moshier, E. B., doing business as The Instant Products Manufacturing Company, by The Instant Products Manufacturing Company, Omaha, Nebr. Concentrated fruit flavors. 346,974, June 15, 1937. Republished Jan. 18. Class 46.

Moto-Sway Corporation of America, South Pasadena, Calif. Vehicle rocking machines. 327,290, Aug. 20, 1935. Republished Jan. 18. Class 23.

Mt. Vernon Watch Co., Inc., New York, N. Y. Watches. 441,845, Jan. 18; Serial No. 501,468, published Oct. 19, 1948. Class 27.

Mueller Co.: *See*—
Mueller, H., Manufacturing Company.

Mueller Co., Decatur, Ill. Non-ferrous pipe. 290,835, Jan. 19, 1932. Republished Jan. 18. Class 13.

Mueller Co., Decatur, Ill. Combination tool for drilling, tapping, and reaming in metal and other material working. 377,764, May 14, 1940. Republished Jan. 18. Class 23.

Mueller Co., Decatur, Ill. Faucets, plumbing valves, shower bath fittings, etc. 381,450, Sept. 24, 1940. Republished Jan. 18. Class 13.

Mueller, H., Manufacturing Company, by Mueller Co., Decatur, Ill. Valve, clocks, pressure regulators, and tapping machines. 30,910, Nov. 30, 1897. Republished Jan. 18. Classes 13 and 23.

Mueller, H., Manufacturing Company, by Mueller Co., Decatur, Ill. Brass and iron pipe fittings. 66,513, Dec. 10, 1907. Republished Jan. 18. Class 13.

Mueller, H., Manufacturing Company, by Mueller Co., Decatur, Ill. Combined waste and overflows and parts of same, etc. 85,269, Feb. 6, 1912. Republished Jan. 18. Class 13.

Muller Products Co., Inc., New York, N. Y. Olive oil. 505,868, Jan. 18; Serial No. 504,377. Class 46.

Mystic Foam Corporation, The: *See*—
Wilkes, Frederic.

Nash, Whiton & Co., by Worcester Salt Company, New York, N. Y. Salt. 18,066, June 24, 1890. Republished Jan. 18. Class 46.

National Blank Book Company, Riverside, Holyoke, Mass. Loose leaf binders. 376,663, Feb. 27, 1940. Republished Jan. 18. Class 37.

National Cylinder Gas Company, Chicago, Ill. Welding and brazing fluxes. 401,928, June 15, 1943. Republished Jan. 18. Class 6.

National Drug Company, The, Philadelphia, Pa. Mild sedative containing phenobarbital. 433,996, Nov. 4, 1947. Republished Jan. 18. Class 6.

National Life and Accident Insurance Company, The, Nashville, Tenn. Calendars and periodical publications. 199,371, June 9, 1925. Republished Jan. 18. Class 38.

National Package Drugs, Inc., St. Louis, Mo. Rubbing alcohol compound, vitamin B1, syrup of cocillana, mineral oil, etc. 505,762, Jan. 18; Serial No. 537,220, published Oct. 12, 1948. Class 6.

National Remedy Co., New York, to National Remedy Company, Inc., White Plains, N. Y. Medicinal oil. 70,641, re-renewed Sept. 22, 1948. O. G. Jan. 18. Class 6.

National Remedy Company, Inc.: *See*—
National Remedy Co.

National Sportsman, Inc., Boston, Mass. Monthly magazine. 61,410, Mar. 19, 1907. Republished Jan. 18. Class 38.

National Sportsman, Inc., New York, N. Y. Magazine. 226,484, Apr. 12, 1927. Republished Jan. 18. Class 38.

National Starch Products Inc., New York, N. Y. Food starches. 386,241, Apr. 1, 1941. Republished Jan. 18. Class 46.

Nation Wide Papers, Inc., Omaha, Nebr. Writing paper, printing paper, and bond paper. 343,793, Mar. 9, 1937. Republished Jan. 18. Class 37.

Nation Wide Papers, Inc., Omaha, Nebr. Printing paper, writing paper, and bond paper. 350,939, Oct. 12, 1937. Republished Jan. 18. Class 37.

Nation Wide Papers, Inc., Omaha, Nebr. Mimeograph paper. 364,633, Feb. 7, 1939. Republished Jan. 18. Class 37.

Nelson, James, Limited: *See*—
Denison, Frank I., & Co., Inc.

Nelson, James, Limited, assignee: *See*—
Raab-Meyerhoff, M. H., Co., Inc.

Nelson, James, Ltd., Nelson, England. Mercerised sewing cotton. 183,858, May 6, 1924. Republished Jan. 18. Class 43.

Netherland American Import Corp., New York, N. Y. Canned and frosen fish, canned fruits, bottled pickles, etc. 505,872, Jan. 18; Serial No. 508,181. Class 46.

Newman Bros., New York, N. Y. Smoking pipes and tobacco pouches. 505,867, Jan. 18; Serial No. 501,760. Class 8.

Niles Rolling Mill Company, The, Niles, Ohio. Sheet steel and enameling iron sheets. 505,765, Jan. 18; Serial No. 537,719, published Sept. 21, 1948. Class 14.

North American Lace Company, Inc., Philadelphia, Pa. Lace fabrics in the piece and lace curtains. 374,006, Dec. 26, 1939. Republished Jan. 18. Class 42.

Northwestern Extract Co., Milwaukee, Wis. Nonalcoholic, nonecereal, maltless beverages. 248,904, renewed Nov. 6, 1948. O. G. Jan. 18. Class 45.

Novelty Knitting Co., Albany, by Arnold Knitwear Corporation, Cohoes, N. Y. Knitted underwear, wash-cloth, slippers, etc. 65,567, Oct. 8, 1907. Republished Jan. 18. Classes 39, 42 and 44.

Noxzema Products Co.: *See*—
Respondek, John E.

Nu-Klear: *See*—
Huebner, Arthur F.

Nutting and Thaw: *See*—
Frenchie Frocks, Inc.

Ohio Oil Company, The, Findlay, Ohio. Lubricating oils and greases. 505,745, Jan. 18; Serial No. 534,460, published Sept. 14, 1948. Class 15.

Ohio Oil Company, The, Findlay, Ohio. Lubricating motor oils. 505,750, Jan. 18; Serial No. 534,803, published Oct. 5, 1948. Class 15.

Ohio Oil Company, The, Findlay, Ohio. Motor fuel oil, fuel oil, lubricating oils, etc. 505,751, Jan. 18; Serial No. 534,804, published Oct. 5, 1948. Class 15.

Omaha Packing Company: *See*—
Omaha Packing Company, Inc.

Omaha Packing Company, Inc., to Omaha Packing Company, Chicago, Ill. Butter, eggs, pure pork sausage, etc. 241,938, renewed May 8, 1948. O. G. Jan. 18. Class 46.

Orange County Valencia Association: *See*—
Anaheim Community Growers.
Anaheim Community Growers, Inc.

Orange Smile Sirup Company: *See*—
Orange Smile Sirup Company, The.

Orange Smile Sirup Company, The, by Orange Smile Sirup Company, St. Louis, Mo. Non-alcoholic maltless beverages and flavors therefor. 225,425, Mar. 15, 1927. Republished Jan. 18. Class 45.

Orangethorpe Citrus Association, Fullerton, Calif. Fresh citrus fruits. 189,847–8, Sept. 30, 1924. Republished Jan. 18. Class 46.

Oronite Chemical Company, San Francisco, Calif., and Wilmington, Del. Surface active detergents. 505,827, Jan. 18; Serial No. 549,836, published Oct. 5, 1948. Class 4.

Oronite Chemical Company, San Francisco, Calif., and Wilmington, Del. Surface active detergents. 505,828, Jan. 18; Serial No. 549,837, published Oct. 5, 1948. Class 4.

Ortho Pharmaceutical Corporation, Linden, N. J. Therapeutic vaginal jellies. 440,382, Aug. 31, 1948. Amended. O. G. Jan. 18. Class 6.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Scarfpins, watch chains, cuff links, etc. 156,826, July 11, 1922. Republished Jan. 18. Classes 8, 37, and 28.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Chinaware, earthenware, and porcelain. 157,169, July 25, 1922. Republished Jan. 18. Class 30.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Tables, chairs, stands, etc. 157,732, Aug. 15, 1922. Republished Jan. 18. Class 32.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Cleaning and polishing materials. 157,733, Aug. 15, 1922. Republished Jan. 18. Class 4.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Table glassware, glass bowls, glass jars, etc. 159,731, Oct. 3, 1922. Republished Jan. 18. Class 33.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Nonelectric oil lamps, candlesticks, and candelabra. 160,611, Oct. 24, 1922. Republished Jan. 18. Class 34.

Ovington Bros. Company, by Ovington's Gift Shop, Inc., New York, N. Y. Imitation art bronzes and imitation bronzes. 160,612, Oct. 24, 1922. Republished Jan. 18. Class 50.

Ovington's Gift Shop, Inc.: *See*—
Ovington Bros. Company.

Ovington's Gift Shop, Inc., New York, N. Y. Ladies' handbags, suit cases, billfolds, etc. 397,959, Sept. 29, 1942. Republished Jan. 18. Class 3.

Ovington's Gift Shop, Inc., New York, N. Y. Electric lamps with shades. 398,176, Oct. 13, 1942. Republished Jan. 18. Class 21.

Ovington's Gift Shop, Inc., New York, N. Y. Playing cards and playing card cases, poker chips, etc. 398,177, Oct. 13, 1942. Republished Jan. 18. Class 22.

Ovington's Gift Shop, Inc., New York, N. Y. Ash receivers, and trays, cigarette holders, etc. 398,290, Oct. 20, 1942. Republished Jan. 18. Class 8.

Ovington's Gift Shop, Inc., New York, N. Y. Pencils, stationery. 398,896, Dec. 1, 1942. Republished Jan. 18. Class 37.

Owens-Illinois Glass Company, Toledo, Ohio. Bottles and jars. 505,729, Jan. 18; Serial No. 531,235, published Oct. 12, 1948. Class 33.

Ox Fibre Brush Company, New York, N. Y., and Frederick, Md., by Ox Fibre Brush Company, Inc., Frederick, Md. Brushes. 182,922–3, Apr. 22, 1924. Republished Jan. 18. Class 29.

Ox Fibre Brush Company, Inc.: *See*—
Ox Fibre Brush Company.

Ox Fibre Brush Company, Inc., New York, N. Y. Street brushes and brooms. 422,393, July 23, 1946. Republished Jan. 18. Class 29.

Pacific Chemical and Fertilizer Company, Honolulu, Territory of Hawaii. Fertilizers. 505,825, Jan. 18; Serial No. 548,099, published Sept. 28, 1948. Class 10.

Pacific Flush-Tank Company, Chicago, Ill. Sewage treatment equipment, gas safety devices. 505,695, Jan. 18; Serial No. 527,141, published Sept. 28, 1948. Class 23.

Page Milk Co., The: *See*—
Page Milk Co.

Page Milk Co., by The Page Milk Co., Merrill, Wis. Canned evaporated milk. 249,958, Nov. 27, 1928. Republished Jan. 18. Class 46.

Pan-American Drug Company, Inc., to The Pan-Tone Drug Company, Jacksonville, Fla. General tonic and mild laxative. 249,777, renewed Nov. 20, 1948. O. G. Jan. 18. Class 6.

Pangburn Company, Inc., Fort Worth, Tex. Candy. 394,988, May 5, 1942. Republished Jan. 18. Class 46.

Pangburn Company, Inc., Fort Worth, Tex. Candy. 407,530, June 6, 1944. Republished Jan. 18. Class 46.

Pan-Tone Drug Company, The: *See*—
Pan-American Drug Company, Inc.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Co., The.

Paraffine Companies, Inc., The, San Francisco, Calif. Flat undercoat paint. 176,544, Nov. 27, 1923. Republished Jan. 18. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared floor coverings. 211,469, Apr. 13, 1926. Republished Jan. 18. Class 20.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared roofing, building paper, and insulating paper. 273,570, Aug. 5, 1930. Republished Jan. 18. Class 12.

Paraffine Companies, Inc., The, San Francisco, Calif. Insulating varnishes and insulating tape. 275,645, Sept. 23, 1930. Republished Jan. 18. Class 21.

Paraffine Companies, Inc., The, San Francisco, Calif. Building paper, thermal and acoustical insulating paper, etc. 286,057, Aug. 11, 1931. Republished Jan. 18. Class 12.

Paraffine Companies, Inc., The, San Francisco, Calif. Paint enamel. 317,946, Oct. 9, 1934. Republished Jan. 18. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Ready mixed liquid, paste, and emulsified paints, paint-enamels, etc. 368,660, June 27, 1939. Republished Jan. 18. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Fibrous materials in sheet form. 381,202, Sept. 17, 1940. Republished Jan. 18. Class 12.

Paraffine Paint Co., The, by The Paraffine Companies, Inc., San Francisco, Calif. Waterproof and weatherproof building and roofing materials. 57,538, Nov. 13, 1906. Republished Jan. 18. Class 12.

Paraffine Paint Co., The, by The Paraffine Companies, Inc., San Francisco, Calif. Waterproof roofing and building-papers. 75,095, Aug. 31, 1909. Republished Jan. 18. Class 12.

Parke, Davis & Company: *See*—
Takamine Ferment Company.

Parke, Davis & Company, Detroit, Mich. Diuretics. 253,360, renewed Feb. 26, 1949. O. G. Jan. 18. Class 6.

Parker Watch Co., Inc., New York, N. Y. Watchcases, clocks, watches and parts thereof. 505,791, Jan. 18, Serial No. 541,959, published Oct. 12, 1948. Class 27.

Parnell Company, Inc., The, Cincinnati, Ohio. Whiskey. 505,879, Jan. 18; Serial No. 517,322. Class 49.

Pearce, Frank C., Company, by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted fish. 351,048, Oct. 19, 1937. Republished Jan. 18. Class 46.

Peat Moss Sales Corporation, New York, N. Y. Peat moss. 505,677, Jan. 18; Serial No. 513,200, published Sept. 7, 1948. Class 10.

Pebbleford Distillery Company, Wilder, Newport, Ky. Whiskey. 415,106, July 10, 1945. Republished Jan. 18. Class 49.

Penafax Company, The: *See*—
Cohen, Yetta.

Pennsylvania Refining Company, Butler, Pa. Motor lubricating oils. 505,757, Jan. 18; Serial No. 536,280, published Oct. 19, 1948. Class 15.

Pennsylvania Rubber Company, Jeannette, Pa. Tennis balls, hand balls, and shuttlecocks. 421,765, June 18, 1946. Republished Jan. 18. Class 22.

Penola, Inc., Chicago, Ill. Insecticides. 505,830, Jan. 18; Serial No. 550,067, published Oct. 19, 1948. Class 6.

Pepper, Jas. E., & Company: *See*—
Pepper, Jas. E., & Co.

Pepper, Jas. E., & Co., by Jas. E. Pepper & Company, Lexington, Ky. Whisky. 47,605, Nov. 14, 1905. Republished Jan. 18. Class 49.

Perfex Company, The, Shenandoah, Iowa. Laundry starch. 505,691, Jan. 18; Serial No. 523,418, published Oct. 12, 1948. Class 6.

Pfeiffer Hosiery, New York, N. Y. Hosiery. 435,278, Dec. 16, 1947. Republished Jan. 18. Class 39.

Pflaum, Geo. A., Publisher, Inc., Dayton, Ohio. Comic strip appearing periodically. 505,894, Jan. 18; Serial No. 529,819. Class 38.

Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber tires, inner tubes, plasters and patches, etc. 505,679, Jan. 18; Serial No. 514,134, published Oct. 12, 1948. Class 35.

Phillippi, Louis P., doing business as The Irvington Company, Cable, to Ivo, Inc., West Bend, Wis. Ointments. 246,886, renewed Sept. 18, 1948. O. G. Jan. 18. Class 6.

Phillips, Samuel A., doing business as Business Promotion Service, by Samuel A. Phillips, Jr., Morgantown, W. Va. Trading certificate. 388,902, July 15, 1941. Republished Jan. 18. Class 39.

Phillips, Samuel A., Jr.: *See*—
Phillips, Samuel A.

Phoenix Hosiery Company: *See*—
Phoenix Knitting Works.

Phoenix Knitting Works, by Phoenix Hosiery Company, Milwaukee, Wis. Knitted mufflers. 68,971, May 12, 1908. Republished Jan. 18. Class 39.

Physicians' Drug & Supply Co., Philadelphia, Pa. Drug to be used in the treatment of cardiac conditions and asthma. 505,849, Jan. 18; Serial No. 538,064, published Oct. 19, 1948. Class 6.

Physicians' Drug & Supply Co., Philadelphia, Pa. Drug to be used in the treatment of thyroid diseases. 505,850, Jan. 18; Serial No. 538,065, published Oct. 19, 1948. Class 6.

Pierce Company, The, by The Pierce Oil Products Corp., [illegible]

Reid, A. L., & Co., to W. Lind, doing business as William Lind Co., New York, N. Y. Lawn. 71,175, re-renewed Nov. 10, 1948. O. G. Jan. 18. Class 42.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials in granular form and in solutions. 434,867, Dec. 9, 1947. Repub-

Santa Clara Packing Company, San Jose, Calif. Canned fruit cocktail, etc. 350,253, Sept. 21, 1937. Corrected. O. G. Jan. 18. Class 46.

Sauer, C. F., Company, The, Richmond, Va. Medicinal liniment. 505,771, Jan. 18; Serial No. 539,443, published Oct. 5, 1948. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Plastic, asphalt or coal-tar materials. 374,429, Jan. 9, 1940. Republished Jan. 18. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint brushes, varnish brushes, kalsomine brushes, etc. 378,747, June 18, 1940. Republished Jan. 18. Class

Physicians' Drug & Supply Co., Philadelphia, Pa. Drug to be used in the treatment of thyroid diseases. 505,850, Jan. 18; Serial No. 558,065, published Oct. 19, 1948. Class 6.

Pierce Company, The, by The Pierce Oil Products Corp., East Rochester, N. Y. Leather-dressing oil. 119,111, Oct. 23, 1917. Republished Jan. 18. Class 4.

Pierce Company, The, by The Pierce Oil Products Corp., East Rochester, N. Y. Oils for treating artificial and real leather. 167,915, May 8, 1923. Republished Jan. 18. Class 4.

Pierce Oil Products Corp., The: *See*—
Pierce Company, The.

Pierce, S. S., Co., Boston, Mass. Cigars. 32,739, re-renewed Apr. 18, 1949. O. G. Jan. 18. Class 17.

Pine, Morton S., Co., The, Cleveland, Ohio. Water softener with incidental cleansing properties. 505,772, Jan. 18; Serial No. 539,561, published Sept. 21, 1948. Class 6.

Pioneer Heater Company: *See*—
Hotstream Heater Company, The.

Pitman & Keeler, by Pitman & Keeler, Inc., Attleboro, Mass. Bracelets, vanity cases, and compacts. 359,463, Aug. 23, 1938. Republished Jan. 18. Classes 2 and 28.

Pitman & Keeler, Inc.: *See*—
Pitman & Keeler.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruit. 333,029, Mar. 10, 1936. Republished Jan. 18. Class 46.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrus fruit. 333,532, Mar. 24, 1936. published Jan. 18. Class 46.

Planters Cotton Oil & Fertiliser Co., Rocky Mount, N. C. Plant foods. 391,523, Nov. 11, 1941. Republished Jan. 18. Class 10.

Plaut, Carl S., doing business as Inerto Company, by The Inerto Company, San Francisco, Calif. Pipe couplings and feed valves. 402,124, June 29, 1943. Republished Jan. 18. Class 13.

Plexon, Inc.: *See*—
Freydberg Bros.-Straus, Inc.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Articles made of china, semiporcelain, and pottery. 441,869, Jan. 18; Serial No. 516,501, published Oct. 19, 1948. Class 30.

Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Cotton batts. 505,873, Jan. 18; Serial No. 509,452. Class 1.

Polan Industries, Huntington, W. Va. Glass cooking utensils and kitchen ware. 505,859, Jan. 18; Serial No. 487,210. Class 33.

Polish-Off Co.: *See*—
Buettner, P. R.

Porocel Corporation, Wilmington, Del., and Philadelphia, Pa. Packaged adsorbent material. 505,689, Jan. 18; Serial No. 496,921, published Oct. 5, 1948. Class 6.

Power-Pak Products Inc., Buffalo, N. Y. Tire inflation and fire extinguishing unit. 441,848, Jan. 18; Serial No. 502,841, published Mar. 25, 1947. Class 23.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 505,703, Jan. 18; Serial No. 527,681, published Sept. 14, 1948. Class 4.

Procter & Gamble Company, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 505,704, Jan. 18; Serial No. 528,016, published Sept. 28, 1948. Class 4.

Procter & Gamble Company, The, doing business as The Globe Soap Company, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 505,747, Jan. 18; Serial No. 534,339, published Sept. 28, 1948. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Dentifrice. 505,820, Jan. 18; Serial No. 546,605, published Oct. 5, 1948. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser and detergent. 505,854, Jan. 18; Serial No. 559,545, published Oct. 12, 1948. Class 4.

Pure Oil Company, The, Chicago, Ill. Lubricating oils and greases. 505,697, Jan. 18; Serial No. 527,282, published Sept. 7, 1948. Class 15.

Pure Oil Company, The, Chicago, Ill. Stove and lamp naphthas and gasoline. 505,858, Jan. 18; Serial No. 563,751, published Oct. 19, 1948. Class 15.

Raab-Meyerhoff, M. H., Co., Inc., Philadelphia, Pa., assignor to James Nelson Limited, by James Nelson Limited, Nelson, Lancashire, England. Work and negligee and dress shirts, pajamas, underwear for men. 362,256, Nov. 15, 1938. Republished Jan. 18. Class 39.

Rabin, Allen H., doing business as The Rabin Company, by The Rabin Company, Los Angeles, Calif. Toilet preparations. 371,166, Sept. 19, 1939. Republished Jan. 18. Class 6.

Rabin Company, The: *See*—
Rabin, Allen H.

Raffloer, Erbsloh and Company, New York, N. Y., by Compania De Jarcia De Matanzas S. A., Habana, Cuba. Rope, binder and other twines. 106,501, Oct. 19, 1915. Republished Jan. 18. Class 7.

Raguet Fils, P., & J. Vignes, to Etablissements Raguet & Vignes, Societe A Responsabilite Limitee, Troyes, France. Knitted underwear and hosiery. 174,713, renewed Oct. 23, 1943. O. G. Jan. 18. Class 39.

Rapid Roller Co., Chicago, Ill. Printers' rollers, composition coated rollers, offset and lithograph rollers, etc. 387,820, June 3, 1941. Republished Jan. 18. Class 23.

Reid, A. L., & Co., to W. Lind, doing business as William Lind Co., New York, N. Y. Lawn. 71,175, re-renewed Nov. 10, 1948. O. G. Jan. 18. Class 42.

Resinous Products & Chemical Company, The, Philadelphia, Pa. Synthetic resinous materials in granular form and in solutions. 434,867, Dec. 9, 1947. Republished Jan. 18. Class 1.

Respondek, John E., doing business as Noxruma Products Co., Detroit, Mich. Herb tea. 505,746, Jan. 18; Serial No. 534,190, published Oct. 19, 1948. Class 6.

Rianda, A. V., Jr., Salinas, Calif. Fresh vegetables. 441,861, Jan. 18; Serial No. 511,110, published May 18, 1948. Class 46.

Rich Signs Corporation, assignor to H. N. Carver, by Miro-Flex Company, Inc., Wichita, Kans. Portable reflecting road safety signals. 363,992, Jan. 17, 1939. Republished Jan. 18. Class 34.

Rig Company, The: *See*—
Guy, Ralph I.

Ringwalt, Joseph G.: *See*—
Werle et Compagnie.

Riverside & Dan River Cotton Mills, Inc., now by change of name Dan River Mills, Incorporated, by Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillowcases. 428,518, Mar. 25, 1947. Republished Jan. 18. Class 42.

Rockwell Manufacturing Company, Pittsburgh, Pa. Valve lubricating greases. 505,899, Jan. 18; Serial No. 534,365. Class 15.

Roddenbery Bros., by W. B. Roddenbery Company, Inc., Cairo, Ga. Cane and maple sugar syrup. 243,220, June 12, 1928. Republished Jan. 18. Class 46.

Roddenbery, W. B., Company, Inc.: *See*—
Roddenbery Bros.
Roddenbery, Walter B., Sr.

Roddenbery, Walter B., Sr., by W. B. Roddenbery Company, Inc., Cairo, Ga. Food syrup. 241,962, May 8, 1928. Republished Jan. 18. Class 46.

Rodney Milling Company: *See*—
Warrensburg Mills, The.

Rodney Milling Company, also doing business as Inter-City Mills, Kansas City, Mo. Wheat flour. 182,629, Apr. 15, 1924. Republished Jan. 18. Class 46.

Rodney Milling Company, doing business as The Russell Milling Co., Kansas City, Mo., and Russell, Kans. Wheat flour. 422,937, Aug. 20, 1946. Republished Jan. 18. Class 46.

Rodrigues, Libardo, New York, N. Y. Fashion periodicals. 505,870, Jan. 18; Serial No. 505,622. Class 38.

Roesch and Rhodes, Clarence Center, N. Y. Live and dressed poultry. 430,354, June 10, 1947. Republished Jan. 18. Class 46.

Rogers, Lunt & Bowlen Company: *See*—
Franklin Silver Plate Company.

Rohm & Haas Company, Philadelphia, Pa. Insecticides, fungicides, or disinfectants. 251,904, renewed Jan. 15, 1949. O. G. Jan. 18. Class 6.

Rohm & Haas Company, Philadelphia, Pa. Finishes in the nature of waterproof lacquers. 253,662, renewed Mar. 5, 1949. O. G. Jan. 18. Class 4.

Rohm & Haas Company, Philadelphia, Pa. Substituted aminomethylphenols. 435,061, Dec. 9, 1947. Republished Jan. 18. Class 6.

Rosa Food Products Co.: *See*—
Foti, Giacomo.

Rosenstein, Nettie, Inc., New York, N. Y. Toilet soap. 505,856–7, Jan. 18; Serial Nos. 560,221–2, published Oct. 12, 1948. Class 4.

Rosenthal Company, The, New York, N. Y. Erasers. 435,240, Dec. 16, 1947. Republished Jan. 18. Class 37.

Rosenthal & Kaplan, New York, N. Y. Finger rings. 441,884, Jan. 18; Serial No. 525,683, published Oct. 19, 1948. Class 28.

Ruberoid Co., The: *See*—
Safepack Mills.

Rubon Woodfinishing and Products Company, Kansas City, Mo. Floor mops, dusters, and dust cloths. 395,475, May 26, 1942. Republished Jan. 18. Class 29.

Ruhm Phosphate & Chemical Company, Mount Pleasant, Tenn. Fertilizer. 505,696, Jan. 18; Serial No. 527,199, published Sept. 28, 1948. Class 10.

Russell, Frederick C., West Hartford, Conn. Heading for newspaper articles. 249,798, renewed Nov. 20, 1948. O. G. Jan. 18. Class 38.

Russell Milling Co., The: *See*—
Rodney Milling Company.

Ryff & Co., to Ryff & Co., Ltd., Bern, Switzerland. Knitted underwear. 57,838, re-renewed Nov. 27, 1946. O. G. Jan. 18. Class 39.

Ryff & Co., Ltd.: *See*—
Ryff & Co.

S K F Industries, Inc., Philadelphia, Pa., and elsewhere. Metal balls used in games. 505,716, Jan. 18; Serial No. 529,091, published Sept. 21, 1948. Class 22.

S K F Industries, Inc., Philadelphia, Pa. Metal balls used in games. 505,717, Jan. 18; Serial No. 529,094, published Sept. 21 1948. Class 22.

Safepack Mills, Millis, Mass., to The Ruberoid Co., New York, N. Y., and Round Brook, N. J. Roofing and building paper. 250,552, renewed Dec. 11, 1948. O. G. Jan. 18. Class 12.

San Juan Fishing & Packing Company, Seattle, Wash. Fresh, salt and pickled fish. 246,971, Sept. 18, 1928. Republished Jan. 18. Class 46.

Santa Clara Packing Company, San Jose, Calif. Canned fruit cocktail, etc. 350,253, Sept. 21, 1937. Corrected. O. G. Jan. 18. Class 46.

Sauer, C. F., Company, The, Richmond, Va. Medicinal liniment. 505,771, Jan. 18; Serial No. 539,443, published Oct. 5, 1948. Class 6.

Saviou, William, Warren, Ohio. Face lotions. 505,848, Jan. 18; Serial No. 557,982, published Oct. 12, 1948. Class 6.

Scherer, Ernest, doing business as Scherer's Rolup Ink Co., Minneapolis, Minn. Acid resisting paint enamel. 441,889, Jan. 18; Serial No. 508,443. Class 16.

Scherer's Rolup Ink Co.: *See*—
Scherer, Ernest.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Noncorrosive metals. 252,370, renewed Feb. 5, 1949. O. G. Jan. 18. Class 14.

Schrager, Rose, doing business as Silver Chemical Co., Brooklyn, N. Y. Powder for cleaning silverware. 505,843, Jan. 18; Serial No. 554,923, published Oct. 5, 1948. Class 4.

Scientific Supply Co., Inc., Denver, Colo. Powdered soap and washing compounds. 505,828, Jan. 18; Serial No. 546,880, published Oct. 12, 1948. Class 4.

Scott & Fetzer Company, The, Cleveland, Ohio. Dust filtering and collecting bags. 385,375, Feb. 25, 1941. Republished Jan. 18. Class 2.

Sears, Roebuck and Co., Chicago, Ill. Hog feed and overhead conveyor type litter carriers, rotary wheel hog oilers, milking machines, etc. 441,831, Jan. 18; Serial No. 465,082, published Oct. 5, 1948. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Insecticides and moth preventives. 505,831, Jan. 18; Serial No. 550,086, published Oct. 19, 1948. Class 6.

Security Manufacturing Co.: *See*—
Blakesley-Tuttle Stove Co.

Self Winding Clock Company, Inc., Brooklyn, N. Y. Clocks, time clocks, control clocks, etc. 441,882, Jan. 18; Serial No. 524,726, published Oct. 12, 1948. Class 27.

Selmer, H. & A., Incorporated, Elkhart, Ind. Combination foldable desk and music stand. 360,385, Sept. 13, 1938. Republished Jan. 18. Class 32.

Selmer, H. & A., Incorporated, Elkhart, Ind. Specially built container. 361,073, Oct. 4, 1938. Republished Jan. 18. Class 2.

Selmer, H. & A., Inc., Elkhart, Ind. Clarinets, saxophones, flutes, etc. 384,119, Jan. 7, 1941. Republished Jan. 18. Class 36.

Selmer, H. & A., Inc., Elkhart, Ind. Musical instrument pads. 389,493, Aug. 5, 1941. Republished Jan. 18. Class 36.

Selmer, H. & A., Inc., Elkhart, Ind. Reeds. 396,934, Aug. 11, 1942. Republished Jan. 18. Class 36.

Service Industries, Philadelphia, Pa. Chemical compound. 505,741, Jan. 18; Serial No. 533,409, published Oct. 19, 1948. Class 6.

Shane, Le Roy, Topeka, Kans. Novelties and specialties of various kinds. 441,830, Jan. 18; Serial No. 460,775, published Oct. 23, 1945. Class 28.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Vitamin preparation. 505,794, Jan. 18; Serial No. 542,358, published Oct. 5, 1948. Class 6.

Sharpless Chemicals Inc., Philadelphia, Pa. Water-soluble synthetic resins. 441,838, Jan. 18; Serial No. 497,572, published Oct. 26, 1948. Class 1.

Shatterproof Glass Corporation, Detroit, Mich. Laminated safety sheet and plate glass. 505,682, Jan. 18; Serial No. 516,152, published Sept. 14, 1948. Class 33.

Shea, Beverly, Western Springs, Ill. Phonograph records. 441,887, Jan. 18; Serial No. 484,714. Class 36.

Sherman, H. B., Manufacturing Co.: *See*—
Sherman, Howard B.

Sherman, Howard B., by H. B. Sherman Manufacturing Co., Battle Creek, Mich. Nozzles. 65,949, Oct. 29, 1907. Republished Jan. 18. Class 13.

Sherman Products: *See*—
Sherman, Sol.

Sherman, Sol, New York, N. Y. Neckties. 351,015, Oct. 12, 1937. Republished Jan. 18. Class 39.

Sherman, Sol, doing business as Sherman Products, New York, N. Y. Neckties, bowties, and scarfs. 435,320, Dec. 16, 1947. Republished Jan. 18. Class 39.

Sherry Publishing Company, Inc., New York, N. Y. Periodical publication. 441,895, Jan. 18; Serial No. 522,883. Class 38.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, germicides, and the like. 144,633, July 12, 1921. Republished Jan. 18. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 278,147, Dec. 9, 1930. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, varnishes, lacquers, etc. 286,574, Sept. 1, 1931. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Dry colors and pigments and ingredients of colors. 317,828, Oct. 9, 1934. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 324,587, May 21, 1935. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Dyestuffs, dyes, and dry colors. 325,881, July 9, 1935. Republished Jan. 18. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 370,582, Aug. 29, 1939. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Plastic asphalt or coal-tar materials. 374,429, Jan. 9, 1940. Republished Jan. 18. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint brushes, varnish brushes, kalsomine brushes, etc. 378,747, June 18, 1940. Republished Jan. 18. Class 29.

Sherwin-Williams Company, The, Cleveland, Ohio. Sign cloth, muslin, stencil silk, etc. 379,272, July 9, 1940. Republished Jan. 18. Class 42.

Sherwin-Williams Company, The, Cleveland, Ohio. Poster papers, showcard, poster board, etc. 380,308, Aug. 20, 1940. Republished Jan. 18. Classes 37 and 32.

Sherwin-Williams Company, The, Cleveland, Ohio. Rolling device. 399,867, Feb. 2, 1943. Republished Jan. 18. Class 23.

Sherwin-Williams Company, The, Cleveland, Ohio. Paint in paste form. 407,671, June 20, 1944. Republished Jan. 18. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Wallpaper. 408,720, Aug. 29, 1944. Republished Jan. 18. Class 37.

Shreveport Garment Manufacturers: *See*—
Lee Manufacturing Company, Inc.

Sicre, Aguste, to Georges J. A. Sicre, Paris, France. Purgative tea. 23,951, re-renewed Dec. 26, 1943. O. G. Jan. 18. Class 6.

Sicre, Georges J. A.: *See*—
Sicre, Aguste.

Sight Light Corporation, The, Deep River, assignor to Leroy C. Doane, Essex, Conn. Perforated sheets of metal. 441,867, Jan. 18; Serial No. 514,308, published Sept. 21, 1948. Class 14.

Sigma Tau, Lincoln, Nebr. Pins, keys, and medals. 255,471, renewed Apr. 23, 1949. O. G. Jan. 18. Class 28.

Silena Watch Corporation, New York, N. Y. Watches and watch movements. 505,776, Jan. 18; Serial No. 539,765, published Oct. 12, 1948. Class 27.

Silver Chemical Co.: *See*—
Schrager, Rose.

Silvercote Products, Inc., Chicago, Ill. Thermal reflective insulation materials. 505,683, Jan. 18; Serial No. 516,796, published Aug. 31, 1948. Class 12.

Silvercote Products, Inc., Chicago, Ill. Reflective heat insulation materials. 505,707, Jan. 18; Serial No. 528,317, published Aug. 31, 1948. Class 12.

Sliz Packing Company, Inc., New York, N. Y. Pickled pig's foot tasties, pickled lambs' tongues, ox tongue (whole, jelly), etc. 250,530, Dec. 11, 1928. Corrected. O. G. Jan 18. Class 46.

Simplot, John R., Pocatello, Idaho. Fertilizers. 505,698, Jan. 18; Serial No. 527,437, published Sept. 28, 1948. Class 10.

Simplot, John R., Pocatello, Idaho. Fertilizers. 505,699–700, Jan. 18; Serial Nos. 527,467–8, published Sept. 28, 1948. Class 10.

Sinclair, H. M., Jr., Toledo, Ohio, trustee for The Sinclair Manufacturing Company. Liquid chemical deodorizer, bleach, etc. 505,894, Jan. 18; Serial No. 526,987, published Mar. 30, 1948. Class 6.

Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr.

Sirene Company, Inc., The, New York, N. Y. Mechanical sirens. 505,723, Jan. 18; Serial No. 530,033, published Sept. 28, 1948. Class 23.

Skagit Steel & Iron Works, Sedro Woolley, Wash. Yarders, loaders, and locomotives. 505,803, Jan. 18; Serial No. 543,041, published Oct. 12, 1948. Class 28.

Slough, Glen S., Harrisburg, Pa., by Vita Craft Corporation, Kansas City, Mo. Base metal cooking and table hollow ware. 375,040, Feb. 6, 1940. Republished Jan. 18. Class 13.

Smith, Kline & French Laboratories, Philadelphia, Pa. Inhalers. 505,758, Jan. 18; Serial No. 536,717, published Oct. 5, 1948. Class 44.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 505,844, Jan. 18; Serial No. 556,922, published Oct. 5, 1948. Class 6.

Snow White Products Company: *See*—
Morton Manufacturing Corporation.

Societe A Responsibilite Limitee J. Thiriez Pere & Fils & Cartier Bresson: *See*—
Societe en Commandite Maurice Frings & Cie.

Societe Anonyme Champagne De Saint-Marceaux: *See*—
Lambey, Marie A., V. D. J. Heidelberger.

Société Anonyme des Laboratories Innoxa, Paris, to Innoxa, Societe A Responsibilitc Limitee, Neuilly-sur-Seine, France. Toilet powder, cold cream, eau de cologne, etc. 175,655, renewed Nov. 6, 1943. O. G. Jan. 18. Class 6.

Societe Bertrand De Mun & Cie, Successeurs De Veuve Cliquot-Ponsardin: *See*—
Werle et Compagnie.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Medicaments. 505,766, Jan. 18; Serial No. 538,049, published Oct. 5, 1948. Class 60.

Societe en Commandite Maurice Frings & Cie, Paris, to Societe a Responsibilite Limitee J. Thiriez Pere & Fils & Cartier Bresson, Lille, France. Cotton thread. 171,558, renewed Aug. 7, 1943. O. G. Jan. 18. Class 43.

Somerset Canning Corporation, The, Somerset, Pa. Canned vegetables. 392,262, Dec. 16, 1941. Republished Jan. 18. Class 46.

Southeastern Development Corporation, Jacksonville, Fla. Electronic machines. 505,725, Jan. 18; Serial No. 530,443, published Oct. 12, 1948. Class 44.

Stern and Stern Textiles, Inc.: *See*—
Goldsmbro Fabrics, Inc.

Stern-Siegman Prins Company, Kansas City, Mo. Wom-

Union Chemical & Oil Co., Chicago, Ill. Waterproof roof paint. 427,101, Jan. 28, 1947. Republished Jan. 18. Class 16.

Union Fish Company, San Francisco, Calif., by Bristol

Waukesha Canning Co., Waukesha, Wis., to The J. B. Inderrieden Co., Chicago, Ill. Canned peas. 72,123, re-renewed Jan. 5, 1949. O. G. Jan. 18. Class 46.

Waverly Glass Company, New York, N. Y. Tumblers,

Southeastern Development Corporation, Jacksonville, Fla. Electronic machines. 505,725, Jan. 18; Serial No. 530,443, published Oct. 12, 1948. Class 44.

Southern Biscuit Company, Incorporated: *See*— Southern Biscuit Works.

Southern Biscuit Company, Incorporated, assignee: *See*— Spencer, H. R.

Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 368,304, June 17, 1941. Republished Jan. 18. Class 46.

Southern Biscuit Company, Incorporated. Richmond, Va. Cookies. 424,844, Oct. 29, 1946. Republished Jan. 18. Class 46.

Southern Biscuit Works, by Southern Biscuit Company, Incorporated, Richmond, Va. Cakes and crackers. 219,096, Oct. 12, 1926. Republished Jan. 18. Class 46.

Southern Box and Lumber Company, Wilmington, N. C. Plywood. 505,668, Jan. 18; Serial No. 495,517, published Sept. 7, 1948. Class 12.

Southern Mills Products Company, The, South Bend, Ind., by Whitehouse Manufacturing Company, Inc., Chicago, Ill. Uniforms, aprons, linen and cotton jackets. 276,317, Oct. 14, 1930. Republished Jan. 18. Class 39.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, badminton rackets, squash rackets, etc. 505,777, Jan. 18; Serial No. 540,210, published Sept. 21, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, squash rackets, and badminton rackets. 505,778, Jan. 18; Serial No. 540,211, published Sept. 21, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, golf clubs, basketballs, etc. 505,779, Jan. 18; Serial No. 540,212, published Sept. 21, 1948. Class 22.

Spaulding & Company, Chicago, Ill. Articles formed of glass. 441,842, Jan. 18; Serial No. 500,842, published Sept. 7, 1948. Class 33.

Spartan Aircraft Company, Tulsa, Okla. Airplanes and airplane structural parts. 253,547-9, renewed Feb. 26, 1949. O. G. Jan. 18. Class 19.

Spearhead Fishhook Company: *See*— Driscoll-Bruck Company, Ltd.

Spencer Bakery Products Company: *See*— Spencer, H. R.

Spencer Chemical Company, Kansas City, Mo. Ammonium nitrate fertiliser. 505,695, Jan. 18; Serial No. 531,157. Class 10.

Spencer, H. R., doing business as Spencer Bakery Products Company, assignor to Southern Biscuit Company, Incorporated, by Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. 348,212, July 20, 1937. Republished Jan. 18. Class 46.

Spencer, H. R., doing business as Spencer Bakery Products Company, assignor to Southern Biscuit Company, Incorporated, by Southern Biscuit Company, Incorporated, Richmond, Va. Cookies. 377,160, Apr. 23, 1940. Republished Jan. 18. Class 46.

Springfield Seed Company, Springfield, Mo. Farm seed. 154,156, Apr. 4, 1922. Republished Jan. 18. Class 1.

Stahly, Inc., South Bend, Ind. Mechanical razors and razor blades. 505,706, Jan. 18; Serial No. 528,115, published Sept. 28, 1948. Class 23.

Stamats Publishing Company, assignor to Stamats Publishing Company, Cedar Rapids, Iowa, a corporation of Iowa. Monthly publication. 505,871, Jan. 18; Serial No. 506,699. Class 38.

Stampoff: *See*— Uptegraff, Sara H.

Stanback Company, Ltd., Salisbury, N. C. Analgesic preparations. 505,815, Jan. 18; Serial No. 545,553, published Oct. 5, 1948. Class 6.

Standard Oil Company, Louisville, Ky. Naphtha, benzin, gasolene, etc. 103,125, Mar. 16, 1915. Republished Jan. 18. Class 15.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Liquid petrolatum, also known as white oil. 505,847, Jan. 18; Serial No. 557,697, published Oct. 12, 1948. Class 6.

Standard Steel Works Company, Philadelphia, by The Baldwin Locomotive Works, Eddystone, Pa. Solid forged gear blanks, iron forgings, steel castings, etc. 164,829, Feb. 27, 1923. Republished Jan. 18. Class 14.

Standard Steel Works Company, Philadelphia, Pa., by The Baldwin Locomotive Works, Eddystone, Pa. Rings and rolled shells for crushers. 166,037, Mar. 27, 1923. Republished Jan. 18. Class 23.

Star Union Company, The: *See*— Star Union Overall Co., Inc.

Star Union Overall Co., Inc., The, South Norwalk, Conn., by The Star Union Company, New York, N. Y. Men's, boys', and children's broadcloth and flannel pajamas, and men's flannel nightshirts. 302,201, Apr. 4, 1933. Republished Jan. 18. Class 39.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. 505,824, Jan. 18; Serial No. 547,786, published Aug. 31, 1948. Class 6.

Stayner Corporation, Berkeley, Calif. Vitamin preparations, chemicals, and pharmaceuticals. 505,676, Jan. 18; Serial No. 512,483, published Sept. 14, 1948. Class 6.

Step Master Shoes, Incorporated: *See*— Ettelbrick Shoe Company.

Step Master Shoes, Incorporated, Greenup, Ill. Women's, misses', girls', and infants' shoes. 404,239, Nov. 16, 1943. Republished Jan. 18. Class 39.

Stern and Stern Textiles, Inc.: *See*— Goldsanbro Fabrics, Inc.

Stern-Siegman Prins Company, Kansas City, Mo. Women's and girls' coats. 304,386, July 4, 1933. Republished Jan. 18. Class 39.

Stern-Siegman Prins Company, North Kansas City, Mo. Ladies' coats. 373,310, Dec. 5, 1939. Republished Jan. 18. Class 39.

Stewart, Rufus, doing business as Stewart's Northwood's Gift Shop, Lake Geneva, Wis. Dishes, vases, flower pots, and bowls. 505,885, Jan. 18; Serial No. 520,981. Class 30.

Stewart's Northwood's Gift Shop: *See*— Stewart, Rufus.

Stokes, Francis C., Company, Vincentown, N. J. Apple juice and canned sweet potatoes. 396,231, June 30, 1942. Republished Jan. 18. Class 46.

Strausser, Frank, Great Neck, N. Y. Candy. 505,866, Jan. 18; Serial No. 501,212. Class 46.

Street & Smith Publications, Inc., New York, N. Y. Magazine. 441,893-4, Jan. 18; Serial Nos. 521,221-2. Class 38.

Sullivan, John R., doing business as Aluminum Paint & Color Co., by The Black Diamond Paint & Varnish Works, Inc., Cincinnati, Ohio. Aluminum paint. 380,074, Aug. 6, 1940. Republished Jan. 18. Class 16.

Sullivan Machinery Company, Boston, Mass., and Chicago, Ill., by Joy Manufacturing Company, Pittsburgh, Pa. Mining machines, hoisting mechanism, and rotary engines. 164,992, Feb. 27, 1923. Republished Jan. 18. Class 23.

Sweetin, J., Inc., New York, N. Y. Stuffed toys. 441,879, Jan. 18; Serial No. 524,027, published Sept. 21, 1948. Class 22.

Szilagyi, Stephen, doing business as Tasty-Bits Fine Foods, Easton, Pa. Candies. 505,864, Jan. 18; Serial No. 499,083. Class 46.

Tait, Geo., & Sons, Inc., Norfolk, Va. Plant food or fertiliser. 505,726, Jan. 18; Serial No. 530,591, published Sept. 28, 1948. Class 10.

Takamine Ferment Company, New York, N. Y., to Parke, Davis & Company, Detroit, Mich. Koji, moyashi, diastase, etc. 251,949, renewed Jan. 22, 1949. O. G. Jan. 18. Class 6.

Talbot Mfg. Co.: *See*— Talbot Manufacturing Co.

Talbot Manufacturing Co., by Talbot Mfg. Co., Los Angeles, Calif. Insecticides. 211,607, Apr. 13, 1926. Republished Jan. 18. Class 6.

Tapo Citrus Association, Simi, Calif. Fresh citrus fruits. 300,051, Jan. 3, 1933. Republished Jan. 18. Class 46.

Tasty-Bits Fine Foods: *See*— Szilagyi, Stephen.

Taylor & Sledd Inc., Richmond, Va. Canned fish. 176,447, Nov. 27, 1923. Republished Jan. 18. Class 46.

Taylor & Sledd Inc., Richmond, Va. Canned fish, canned vegetables, canned fruits, etc. 176,452, Nov. 27, 1923. Republished Jan. 18. Class 46.

Taylor & Sledd, Inc., Richmond, Va. Canned fish, salt fish, canned vegetables, and canned herring roe. 260,263, Aug. 20, 1929. Republished Jan. 18. Class 46.

Taylor & Sledd, Inc., Richmond, Va. Canned vegetables. 335,585, June 9, 1936. Republished Jan. 18. Class 46.

Taylor & Sledd, Inc., Richmond, Va. Canned fruits and vegetables. 335,798, June 16, 1936. Republished Jan. 18. Class 46.

Taylor & Sledd, Inc., Richmond, Va. Canned fruits and vegetables. 336,776, July 14, 1936. Republished Jan. 18. Class 46.

Teleflex Incorporated: *See*— M. R. C. Limited.

Tex-O-Kan Floor Mills Co.: *See*— Burrus Mill and Elevator Co., The.
Morten Milling Company.

Thermoid Company, Trenton, N. J. Transmission belting. 505,792, Jan. 18; Serial No. 541,980, published Oct. 19, 1948. Class 35.

Thermoid Company, Trenton, N. J. Brake lining sets. 505,819, Jan. 18; Serial No. 546,438, published Oct. 5, 1948. Class 35.

Thompson-Hayward Chemical Company, Kansas City, Mo. Rodenticide. 434,015, Nov. 4, 1947. Republished Jan. 18. Class 6.

Thompson Hybrid Corn Company, Inc., Belmond, Iowa. Hybrid seed corn. 505,767, Jan. 18; Serial No. 538,468, published Oct. 5, 1948. Class 1.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Fumigants, for use as parasiticides. 441,644, Jan. 18; Serial No. 501,216, published Mar. 30, 1948. Class 6.

Trigg, Dobbs & Company, by Fleetwood Coffee Company, Chattanooga, Tenn. Coffee. 235,521, Nov. 22, 1927. Republished Jan. 18. Class 46.

Trumbull, Fred W., Los Altos, Calif. Blank perforated sheets. 413,946, May 22, 1945. Republished Jan. 18. Class 37.

Try-It Bottling Co. Inc., Lackawanna, N. Y. Nonalcoholic, cereal, maltless beverages, etc. 390,048, Sept. 2, 1941. Republished Jan. 18. Class 45.

Tuchschmidt, Eugene A., by Jack Rabbit Candy Company, St. Louis, Mo. Candies. 138,141, Dec. 14, 1920. Republished Jan. 18. Class 46.

Tuttle & Kift, Inc., Chicago, Ill. Electrical heating units, etc. 503,865, Nov. 16, 1948. Corrected. O. G. Jan. 18. Class 21.

Union Chemical & Oil Co., Chicago, Ill. Waterproof roof paint. 427,101, Jan. 28, 1947. Republished Jan. 18. Class 16.

Union Fish Company, San Francisco, Calif., by Bristol Bay Packing Company, Seattle, Wash. Canned and salt fish. 261,003, Sept. 3, 1929. Republished Jan. 18. Class 46.

Unit Laboratories, Inc., Beaumont, Tex. Calamine lotion, mineral oil. 441,960, Jan. 18; Serial No. 509,802, published Sept. 14, 1948. Class 6.

United Profit-Sharing Corporation, New York, N. Y. Premium coupons. 251,177, renewed Jan. 1, 1949. O. G. Jan. 18. Class 38.

U. S. Sanitary Specialties Corporation, Chicago, Ill. Soap, dry cleaning compound, general cleaning or washing compounds, etc. 505,786, Jan. 18; Serial No. 541,359, published Oct. 12, 1948. Class 4.

Universal Coffee Company, Chicago, Ill. Coffee brewing urns and stoves. 505,737, Jan. 18; Serial No. 532,178, published Sept. 28, 1948. Class 34.

Uptegraff, Sara H., doing business under the name and style of Stampoff, Lewiston, N. Y. Liquid for loosening postage stamps. 441,875, Jan. 18; Serial No. 519,499, published Oct. 5, 1948. Class 6.

Urdahl, Thomas H., assignor to Dry Air Products Corporation, Orlando, Fla. Dehumidifying units for removing moisture from air. 441,850, Jan. 18; Serial No. 505,718, published Dec. 16, 1947. Class 34.

Urdahl, Thomas H., assignor to Dry Air Products Corporation, Orlando, Fla. Dehumidifying units for removing moisture from air. 441,858, Jan. 18; Serial No. 509,184, published Dec. 16, 1947. Class 34.

Utah-Idaho Sugar Company, Salt Lake City, Utah. Sugar and potatoes. 434,999, Dec. 9, 1947. Republished Jan. 18. Class 46.

Utah Fuel Company: *See*— Blue Blaze Coal Company.

Utah Fuel Company, Salt Lake City, Utah. Slack coal. 351,287, Oct. 26, 1937. Republished Jan. 18. Class 1.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 261,589-70, Sept. 17, 1929. Republished Jan. 18. Class 16.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 280,636, Feb. 24, 1931. Republished Jan. 18. Class 16.

Valentine & Company, Inc.: *See*— Valentine & Company.

Vanta Company, Inc., The: *See*— Earnshaw Knitting Company.

Velsicol Corporation, Chicago, Ill. Hydrocarbon solvents. 505,693, Jan. 18; Serial No. 525,717, published Oct. 5, 1948. Class 6.

Victor Chemical Works, Chicago, Ill. One-half monopotassium phosphate and one-half diammonium phosphate for a starter solution. 505,708, Jan. 18; Serial No. 528,543, published Sept. 28, 1948. Class 10.

Virginia-Carolina Chemical Corporation, Richmond, Va. All-purpose cleanser in powder form. 505,853, Jan. 18; Serial No. 558,830, published Oct. 5, 1948. Class 4.

Visking Corporation, The, Chicago, Ill., and Richmond, Va. Thin flexible plastic sheets designed for a variety of non-associated uses. 505,680, Jan. 18; Serial No. 514,452, published Oct. 5, 1948. Class 1.

Vita Craft Corporation: *See*— Slough, Glen S.

Vodine Company: *See*— Vodol Company.

Vodol Company, Chicago, Ill., now by change of name Vodine Company, assignor to B. Clayton, San Marino, Calif. Ointment. 441,865, Jan. 18; Serial No. 514,077, published Sept. 23, 1947. Class 6.

Waconia Sorghum Company, Cedar Rapids, Iowa. Field seeds. 506,744, Jan. 18; Serial No. 533,798, published Aug. 10, 1948. Class 1.

Wagner, Carl J., doing business as Marvel Trailer Parts Company, by Marvel Industries, Inc., Detroit, Mich. Combination ice and electric refrigerators, ice refrigerators, and parts thereof. 414,219, May 29, 1945. Republished Jan. 18. Class 31.

Wagner, John, & Sons, Philadelphia, Pa. Whiskey. 57,616, Nov. 13, 1906. Republished Jan. 18. Class 46.

Wander Company, The, by The Wander Company, Chicago, Ill. Colloidal hydroxide of aluminum. 181,317, Mar. 18, 1924. Republished Jan. 18, 1949. Class 6.

Wander Company, The, Chicago, Ill. Preparation of malted milk and a chocolate flavored dairy syrup. 375,078, Feb. 6, 1940. Republished Jan. 18. Class 46.

Wander Company, The, Chicago, Ill. Food product made from barley malt, milk, and other ingredients. 385,640, Mar. 11, 1941. Republished Jan. 18. Class 46.

Wander Company, The, Chicago, Ill. Ready to serve food product in fluid form. 385,641, Mar. 11, 1941. Republished Jan. 18. Class 46.

Wander Company, The, Chicago, Ill. Flavored dessert powders for food purposes, food products made from barley, malt, etc. 422,192, July 9, 1946. Republished Jan. 18. Class 46.

Warrensburg Mills, The, Warrensburg, by Rodney Milling Company, Kansas City, Mo. Wheat flour. 124,909, Mar. 18, 1919. Republished Jan. 18. Class 46.

Warwick Laboratories Company: *See*— Goldner, Julius.

Watt Publishing Company, Mount Morris, Ill. Monthly magazine. 441,892, Jan. 18; Serial No. 521,099. Class 38.

Waukesha Canning Co., Waukesha, Wis., to The J. B. Inderrieden Co., Chicago, Ill. Canned peas. 72,123, re-renewed Jan. 5, 1949. O. G. Jan. 18. Class 46.

Waverly Glass Company, New York, N. Y. Tumblers, stemware, jugs, and decanters, all made of glass. 441,888, Jan. 18; Serial No. 506,402. Class 33.

Webster Electric Company, Racine, Wis. Intercommunicating sound amplifying and transmitting systems and parts thereof. 434,723, Dec. 2, 1947. Republished Jan. 18. Class 21.

Weigelt, Rene, Philmont, N. Y. Humus, sandy soil, and potting soil. 505,893, Jan. 18; Serial No. 528,390. Class 1.

Welker, Harry L., Williamsport, Pa. Dental cleansing and massage articles. 327,890, Sept. 10, 1935. Republished Jan. 18. Class 44.

Welker, Harry L., Williamsport, Pa. Latex bath brushes. 336,169, June 30, 1936. Republished Jan. 18. Class 29.

Wellcome, Henry S., London, England, to Burroughs Wellcome & Co. (U. S. A.), Inc., Tuckahoe, N. Y. Semi-solid toilet preparation. 71,267, re-renewed Nov. 10, 1948. O. G. Jan. 18. Class 6.

Wellcome, Henry S., London, England, to Burroughs Wellcome & Co. (U. S. A.), Inc., Tuckahoe, N. Y. Photographic developers and photographic accelerators. 71,460, re-renewed Nov. 24, 1948. O. G. Jan. 18. Class 6.

Werk, Julius N., Fabrics, Inc., New York, N. Y. Rayon textile fabrics. 433,040, Sept. 23, 1947. Republished Jan. 18. Class 42.

Werk, M., Company, The, St. Bernard, Ohio. Soap. 505,839, Jan. 18; Serial No. 552,294, published Oct. 12, 1948. Class 4.

Werk, M., Company, The, St. Bernard, Ohio. Cleaning compound. 505,840, Jan. 18; Serial No. 552,295, published Oct. 5, 1948. Class 4.

Werle et Compagnie, Reims, France, to Societe Bertrand De Mun & Cie, Successeurs De Veuve Clicquot-Ponsardin, assignor to J. G. Ringwalt, New York, N. Y. Champagne wine. 151,004, renewed Jan. 10, 1942. O. G. Jan. 18. Class 47.

Western Electric Company, Incorporated, New York, N. Y. Title of a monthly publication. 249,185, renewed Nov. 6, 1948. O. G. Jan. 18. Class 38.

Western Grinders, Glendale, Calif. Fishing pole ferrules. 505,888, Jan. 18; Serial No. 522,964. Class 22.

West Kentucky Coal Company, Earlington, Ky. Coal. 505,752, Jan. 18; Serial No. 534,846, published Oct. 5, 1948. Class 1.

West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruit. 359,690, Aug. 30, 1938. Republished Jan. 18. Class 46.

West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruit. 364,521, Feb. 7, 1939. Republished Jan. 18. Class 46.

West Ontario Citrus Association, Ontario, Calif. Fresh citrus fruit. 368,404, June 20, 1939. Republished Jan. 18. Class 46.

West Virginia Rail Company, The, to West Virginia Steel and Manufacturing Company, Huntington, W. Va. Rail sections. 255,442, renewed Apr. 23, 1949. O. G. Jan. 18. Class 12.

West Virginia Steel and Manufacturing Company: *See*— West Virginia Rail Company, The.

Wheeling Corrugating Company, Wheeling, W. Va. Metal lath. 505,764, Jan. 18; Serial No. 537,529, published Sept. 7, 1948. Class 12.

Wheelock, Lovejoy & Company, Inc., Cambridge, Mass. Iron and upon tool steels, machinery steels, etc. 229,183, June 21, 1927. Republished Jan. 18. Class 14.

Whitehall Pharmacal Company, New York, N. Y. Shampoo. 505,841, Jan. 18; Serial No. 552,526, published Oct. 5, 1948. Class 6.

Whitehouse Manufacturing Company, Inc.: *See*— Southern Mills Products Company, The.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 155,119-21, May 16, 1922. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 156,465-7, June 20, 1922. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 156,783, July 11, 1922. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 161,003-5, Oct. 31, 1922. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper. 161,853-5, Nov. 21, 1922. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper, paper towels, and paper napkins. 305,580, Aug. 22, 1933. Republished Jan. 18. Class 37.

White-Washburne Company, Inc., Hinsdale, N. H. Toilet paper, paper towels, and paper napkins. 316,297, Aug. 21, 1934. Republished Jan. 18. Class 37.

Whiting Corporation, Harvey, Ill. Various types of evaporators, various types of condensers. 441,857, Jan. 18; Serial No. 508,560, published Sept. 28, 1948. Class 23.

Whitman, Stephen F., & Son, by Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Candies and chocolates. 50,865-6, Apr. 3, 1906. Republished Jan. 18. Class 46.

Whitman, Stephen F., & Son, Inc.: *See*— Cox Confectionery Company.
Whitman, Stephen F., & Son.

Whitman, Stephen F., & Son., Inc., Philadelphia, Pa. Candy confections. 95,968-9, Mar. 24, 1914. Republished Jan. 18. Class 46.

Williams, R. C., & Company, Inc., New York, N. Y. Tomato paste, tomatoes, tomato puree, etc. 505,875, Jan. 18; Serial No. 541,361, published Oct. 12, 1948. Class 46.

CLASS 3

Preparation for cleaning glass, Liquid, and a general household cleanser in powder form. The Great American Tea Company. 505,832, Jan. 18; Serial No. 550,501,

Whitman, Stephen F., & Son., Inc., Philadelphia, Pa. Candy confections. 95,968–9, Mar. 24, 1914. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Article of confectionery of the form of a paste-like mass for fillings, dressings, coatings, etc. 99,374, Aug. 25, 1914. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 149,290, Dec. 6, 1921. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 155,868, June 6, 1922. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Instantaneous chocolate, marshmallow whip, flash chocolate, etc. 176,126, Nov. 20, 1923. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 198,296, May 12, 1925. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Hard-candy sticks. 198,724, May 26, 1925. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candies. 218,242, Sept. 21, 1926. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 242,245, May 15, 1928. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 271,006, May 20, 1930. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 282,207, Apr. 14, 1931. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 299,897, Dec. 27, 1932. Republished Jan. 18. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 366,033, Mar. 28, 1939. Republished Jan. 18. Class 46.
Whitney Blake Company, The, Hamden, Conn. Insulated electric wire. 435,055–6, Dec. 9, 1947. Republished Jan. 18. Class 21.
Whiz Fish Products Company, by Whiz Fish Products Company, Inc., Seattle, Wash. Fish products. 409,010, Sept. 12, 1944. Republished Jan. 18. Class 46.
Whiz Fish Products Company, Inc.: *See*—
Whiz Fish Products Company.
Wiley, R & W, Inc., Buffalo, N. Y. Electric lighting fixtures and parts thereof. 505,860, Jan. 18; Serial No. 489,889. Class 21.
Wilkes, Frederic, doing business as Magic Maid Laboratories, Wilkinsburg, Pa., to The Mystic Foam Corporation, Cleveland, Ohio. Washing and cleaning compounds. 245,229, renewed Aug. 7, 1948. O. G. Jan. 18.
Wilknit Hosiery Company, Greenfield, Ohio. Hosiery. 222,452, Jan. 4, 1927. Republished Jan. 18. Class 39.
Wilkor Products, Inc., Cleveland, Ohio. Electrical resistors, resistance units, parts thereof, and attachments therefor. 505,880, Jan. 18; Serial No. 517,759, Class 21.
Williams, R. C., & Company, Inc., New York, N. Y. Tomato paste, tomatoes, tomato puree, etc. 505,875, Jan. 18; Serial No. 511,050. Class 46.
Wilson, A. Reed, Co.: *See*—
Wilson and Buster, Inc.
Wilson and Buster, Inc., by A. Reed Wilson Co., Kansas City, Mo. Floor and wall cleaner and liquid soaps. 304,696, July 18, 1933. Republished Jan. 18. Class 4.
Wine Growers Guild: *See*—
Bear Creek Vineyard Association.
Winkler, A. L., Co.: *See*—
Winkler, Alfred L.
Winkler, Alfred L., doing business as A. L. Winkler Co., Detroit, Mich. Nickel plated steel bracelets. 505,714, Jan. 18; Serial No. 528,976, published Oct. 12, 1948. Class 28.
Winner, Inc.: *See*—
Berne Mfg. Co.
Wood, J. R., Products Corporation: *See*—
Arwood Precision Casting Corp.
Woodall Publishing Co., Chicago, Ill. Periodical publications. 505,882, Jan. 18; Serial No. 519,307. Class 38.
Woolworth, F. W., Co.: *See*—
Chipman Knitting Mills.
Chipman's, Chas., Sons Co. Inc.
Woolworth, F. W., Co., New York, N. Y. Hose for children. 428,197, Mar. 11, 1947. Republished Jan. 18. Class 39.
Worcester Salt Company: *See*—
Nash, Whiton & Co.
Worcester Salt Co.
Worcester Salt Co., by Worcester Salt Company, New York, N. Y. Salt. 308,140, Nov. 21, 1933. Republished Jan. 18. Class 46.
Wurzburg Brothers, Memphis, Tenn. Corrugated fibre filing cases. 312,479, May 1, 1934. Republished Jan. 18. Class 37.
Wurzburg Brothers, Memphis, Tenn. Gummed sealing tape. 432,903, Sept. 16, 1947. Republished Jan. 18. Class 5.
Wyeth Incorporated, Philadelphia, Pa. Basic aluminum carbonate gel. 505,805, Jan. 18; Serial No. 543,247, published Oct. 5, 1948. Class 6.
X-Ray Products Corporation, Los Angeles, Calif. Medical and dental radiographic and fluoroscopic machines and apparatus. 441,836, Jan. 18; Serial No. 493,991, published Oct. 5, 1948. Class 44.
Zalowitz, Morris D., doing business as Chirothesy Enterprises, Los Angeles, Calif. Cold remedy. 441,877, Jan. 18; Serial No. 523,724, published Oct. 19, 1948. Class 6.
Zatarain, Emile A., Jr., doing business as Zatarain's Pure Food Products, New Orleans, La. Root beer extract for making maltless soft drinks. 505,877, Jan. 18; Serial No. 513,486. Class 45.
Zatarain's Pure Food Products: *See*—
Zatarain, Emile A., Jr.
Zephyr Manufacturing Co.: *See*—
Lindstrom, H. E.
Zip Manufacturing Company: *See*—
American Company of Arkansas.
Zodiac, S. A., La Chaux-de-Fonds, and Le Locle, Switzerland. Watches and parts thereof. 441,864, Jan. 18; Serial No. 513,546, published Oct. 5, 1948. Class 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Cattle, Aberdeen-angus. O. V. Battles. 505,685, Jan. 18; Serial No. 518,195, published Oct. 5, 1948.
Coal. Blue Blaze Coal Company. 284,100, June 16, 1931. Republished Jan. 18.
Coal. West Kentucky Coal Company. 505,752, Jan. 18; Serial No. 534,846, published Oct. 5, 1948.
Coal, Bituminous. Franklin County Coal Corporation. 505,715, Jan. 18; Serial No. 528,999, published Oct. 5, 1948.
Cotton batts. Plymouth Wholesale Dry Goods Corporation. 505,873, Jan. 18; Serial No. 509,452.
Hops. E. Clemens Horst Co. 505,892, Jan. 18; Serial No. 527,458.
Humus, sandy soil, and potting soil. R. Weigelt. 505,893, Jan. 18; Serial No. 528,389.
Lambskins, Dyed. Motty Eitingon, Inc. 505,862–3, Jan. 18; Serial Nos. 496,725–6.
Leather, Vegetable-tanned. A. F. Gallun & Sons. 83,573, Sept. 26, 1911. Republished Jan. 18.
Plastic sheets designed for a variety of non-associated uses, Thin flexible. The Visking Corporation. 505,680, Jan. 18; Serial No. 514,452, published Oct. 5, 1948.
Powder, Molding. Catalin Corporation. 434,828, Dec. 9, 1947. Republished Jan. 18.
Resinous materials in granular form and in solutions, Synthetic. The Resinous Products & Chemical Company. 434,867, Dec. 9, 1947. Republished Jan. 18.
Resins, Water-soluble synthetic. Sharples Chemicals Inc. 441,838, Jan. 18; Serial No. 497,572, published Oct. 26, 1948.
Seed corn, Hybrid. Thompson Hybrid Corn Company, Inc. 505,767, Jan. 18; Serial No. 538,468, published Oct. 5, 1948.
Seed, Farm. Springfield Seed Company. 154,156, Apr. 4, 1922. Republished Jan. 18.
Seeds. Ferry-Morse Seed Co. 366,399, Apr. 11, 1939. Republished Jan. 18.
Seeds, Field. Waconia Sorghum Company. 505,744, Jan. 18; Serial No. 533,798, published Aug. 10, 1948.
Sheets, plates, bars of heat molded laminates of fabric and phenol resins. General Textile Mills, Inc. 409,173, Sept. 19, 1944. Republished Jan. 18.
Sisal fibre. Compania De Jarcia De Matanzas S. A. 295,153–4, June 21, 1932. Republished Jan. 18.
Slack coal. Utah Fuel Company. 351,287, Oct. 26, 1937. Republished Jan. 18.

CLASS 2

Bags, Dust filtering and collecting. The Scott & Fetzer Company. 385,375, Feb. 25, 1941. Republished Jan. 18.
Bags, Knitted textile. The Killinger Company. 434,573, Nov. 25, 1947. Republished Jan. 18.
Bags, Paper. Advance Bag and Paper Company, Inc. 221,743, Dec. 7, 1926. Republished Jan. 18.
Bracelets, vanity cases, and compacts. Pitman & Keeler. 359,463, Aug. 23, 1938. Republished Jan. 18.
Cartons and containers. Blake, Moffitt & Towne. 196,191, Mar. 10, 1925. Republished Jan. 18.
Container, Specially built. H. & A. Selmer, Incorporated. 361,073, Oct. 4, 1938. Republished Jan. 18.

CLASS 3

Handbags, suit cases, billfolds, Ladies', etc. Ovington's Gift Shop, Inc. 397,959, Sept. 29, 1942. Republished Jan. 18.
Hat boxes, Men's leather, etc. Knox Hat Company, Inc. 278,084, Dec. 2, 1930. New certificate. O. G. Jan. 18.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.

CLASS 4

Buffing and polishing compound. The Matchless Metal Polish Co. 120,136–7, Jan. 8, 1918. Republished Jan. 18.
Buffing and polishing compound. The Matchless Metal Polish Co. 186,271, July 8, 1924. Republished Jan. 18.
Buffing or polishing composition. The Matchless Metal Polish Co. 128,453, Jan. 6, 1920. Republished Jan. 18.
Buffs, buffing wheels, and polishing wheels. Advance Polishing Wheels, Inc. 375,286, Feb. 13, 1940. Republished Jan. 18.
Cleaner and liquid soaps, Floor and wall. Wilson and Buster, Inc. 304,696, July 18, 1933. Republished Jan. 18.
Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 505,703, Jan. 18; Serial No. 527,681, published Sept. 14, 1948.
Cleaner, cleanser, and detergent, Sudsing. The Procter & Gable Company. 505,704, Jan. 18; Serial No. 528,016, published Sept. 28, 1948.
Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 505,747, Jan. 18; Serial No. 534,339, published Sept. 28, 1948.
Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 505,854, Jan. 18; Serial No. 530,545, published Oct. 12, 1948.
Cleaning and polishing materials. Ovington Bros. Company. 157,733, Aug. 15, 1922. Republished Jan. 18.
Cleaning compound. The M. Werk Company. 505,840, Jan. 18; Serial No. 552,295, published Oct. 5, 1948.
Cleaning fluid. I. J. Fox, Inc. 441,854, Jan. 18; Serial No. 506,591, published Oct. 5, 1948.
Cleaning fluid and liquid preparation for cleaning and polishing shoes. Grimm Manufacturing Company, Inc. 505,835, Jan. 18; Serial No. 550,693, published Oct. 12, 1948.
Cleaning preparation, General. J. W. Miksich. 254,268, renewed Mar. 19, 1949. O. G. Jan. 18.
Cleaning preparation, Rug, fabric, and automobile. The Cudahy Packing Company. 505,814, Jan. 18; Serial No. 545,453, published Oct. 5, 1948.
Cleaning preparation, Window, mirror, furniture, and glass. A. F. Huebner. 505,891, Jan. 18; Serial No. 524,661.
Cleanser. Walter G. Legge Company, Inc. 505,736, Jan. 18; Serial No. 532,140, published Oct. 5, 1948.
Cleanser and renovator for terrazzo floors. Carsolite Corporation. 505,837, Jan. 18; Serial No. 551,167, published Oct. 12, 1948.
Cleanser in powder form, All-purpose. Virginia-Carolina Chemical Corporation. 505,853, Jan. 18; Serial No. 558,830, published Oct. 5, 1948.
Detergent, Powdered. Adco, Inc. 505,806, Jan. 18; Serial No. 543,256, published July 27, 1948.
Detergents for industrial usage. Hampden Color and Chemical Company. 505,742, Jan. 18; Serial No. 533,563, published Oct. 5, 1948.
Detergents, Surface active. Oronite Chemical Company. 505,827, Jan. 18; Serial No. 549,836, published Oct. 5, 1948.
Detergents, Surface active. Oronite Chemical Company. 505,828, Jan. 18; Serial No. 549,837, published Oct. 5, 1948.
Dressing and polish, Shoe. Henderson Bros. Corporation. 278,184, Dec. 9, 1930. Republished Jan. 18.
Finishes in the nature of waterproof lacquers. Rohm & Haas Company. 253,662, renewed Mar. 5, 1949. O. G. Jan. 18.
Furniture-cleaning compound. N. S. Hillyard. 199,628, June 16, 1925. Republished Jan. 18.
Leather-dressing oils. The Pierce Company. 119,111, Oct. 23, 1917. Republished Jan. 18.
Lime, either in lump or powdered form. C. H. Gaylord. 22,273, July 16, 1918. Republished Jan. 18.
Material for cleaning and polishing metal, glass, and marble. The Matchless Metal Polish Co. 57,565, Nov. 13, 1906. Republished Jan. 18.
Material for cleaning and polishing metal, glass, and marble. The Matchless Metal Polish Co. 57,736, Nov. 27, 1906. Republished Jan. 18.
Oils for treating artificial and real leather. The Pierce Company. 167,915, May 8, 1923. Republished Jan. 18.
Pads, Cleanser, a preparation in powder form for general household cleaning, etc. The Great American Tea Company. 505,834, Jan. 18; Serial No. 550,503, published Oct. 12, 1948.
Polishing wheels. Advance Polishing Wheels, Inc. 344,175, Mar. 16, 1937. Republished Jan. 18.
Powder for cleaning silverware. R. Schrager. 505,843, Jan. 18; Serial No. 554,923, published Oct. 5, 1948.

Preparation for cleaning glass, Liquid, and a general household cleanser in powder form. The Great American Tea Company. 505,832, Jan. 18; Serial No. 550,501, published Oct. 12, 1948.
Preparation in powder form for cleaning closet bowls. The Great American Tea Company. 505,833, Jan. 18; Serial No. 550,502, published Oct. 12, 1948.
Soap. Armour and Company. 505,720, Jan. 18; Serial No. 529,852, published Oct. 5, 1948.
Soap. Armour and Company. 505,721–2, Jan. 18; Serial Nos. 529,854–5, published Oct. 5, 1948.
Soap. Armour and Company. 505,855, Jan. 18; Serial No. 560,157, published Oct. 12, 1948.
Soap. The M. Werk Company. 505,839, Jan. 18; Serial No. 552,294, published Oct. 12, 1948.
Soap and laundry soap, Granulated. P. M. Cooter. 505,738, Jan. 18; Serial No. 532,429, published Aug. 17, 1948.
Soap and washing compounds, Powdered. Scientific Supply Co., Inc. 505,823, Jan. 18; Serial No. 546,880, published Oct. 12, 1948.
Soap, dry cleaning compound, general cleaning or washing compounds, etc. U. S. Sanitary Specialties Corporation. 505,786, Jan. 18; Serial No. 541,359, published Oct. 12, 1948.
Soap powder combined with mineral ingredients. The Cudahy Packing Company. 505,836, Jan. 18; Serial No. 550,792, published Oct. 12, 1948.
Soap powder combined with mineral ingredients. The Cudahy Packing Company. 505,912, Jan. 18; Serial No. 555,802.
Soap, Toilet. Nettie Rosenstein, Inc. 505,856–7, Jan. 18; Serial Nos. 560,221–2, published Oct. 12, 1948.
Washing and cleaning compounds. F. Wilkes. 245,229, renewed Aug. 7, 1948. O. G. Jan. 18.

CLASS 5

Adhesive sheets, Pressure sensitive. Beutex Corporation. 505,670, Jan. 18; Serial No. 498,050, published Oct. 5, 1948.
Cement. Ford Motor Company. 254,900, renewed Apr. 2, 1949. O. G. Jan. 18.
Cement, Adhesive. The American Brake Shoe and Foundry Company. 368,614, June 27, 1939. Republished Jan. 18.
Chemical products derived from corn for adhesive purposes. Corn Products Refining Company. 505,681, Jan. 18; Serial No. 514,940, published Oct. 19, 1948.
Tape, Gummed sealing. Wurzburg Brothers. 432,903, Sept. 16, 1947. Republished Jan. 18.

CLASS 6

Adsorbent material, Packaged. Porocel Corporation. 505,669, Jan. 18; Serial No. 496,021, published Oct. 5, 1948.
Alcohol compound, Rubbing, vitamin B1, syrup of cocillana, mineral oil. National Package Drugs, Inc. 505,762, Jan. 18; Serial No. 537,220, published Oct. 12, 1948.
Aluminum carbonate gel, Basic. Wyeth Incorporated. 505,805, Jan. 18; Serial No. 543,247, published Oct. 5, 1948.
Aminomethylphenols, Substituted. Rohm & Haas Company. 435,061, Dec. 9, 1947. Republished Jan. 18.
Analgesic preparations. Stanback Company, Ltd. 505,815, Jan. 18; Serial No. 545,553, published Oct. 5, 1948.
Antacid preparation. Burroughs Wellcome & Co. (U. S. A.) Inc. 505,842, Jan. 18; Serial No. 552,742, published Oct. 19, 1948.
Balm, Hand and skin. Morton Manufacturing Corporation. 505,838, Jan. 18; Serial No. 551,573, published Oct. 19, 1948.
Bath salts. R. H. Clark. 505,701, Jan. 18; Serial No. 527,534, published Oct. 5, 1948.
Bleaching, cleansing, antiseptic, and germicidal compounds. Clorox Chemical Co. 505,907, Jan. 18; Serial No. 542,282.
Calamine lotion, mineral oil. Unit Laboratories, Inc. 441,860, Jan. 18; Serial No. 509,802, published Sept. 14, 1948.
Chemical composition for the prevention of corrosion. The McCambridge & McCambridge Co. 505,813, Jan. 18; Serial No. 545,383, published Oct. 5, 1948.
Chemical compound. La Compagnie Pharmaceutique Desbergers. 375,548, Feb. 20, 1940. Republished Jan. 18.
Chemical compound. Service Industries. 505,741, Jan. 18; Serial No. 533,409, published Oct. 19, 1948.
Chemical ingredients, Various compositions containing. C. J. Barton. 505,675, Jan. 18; Serial No. 510,824, published Oct. 19, 1948.
Chemical used to treat dyed goods. H. A. Metz & Co. 68,085, Mar. 10, 1908. Republished Jan. 18.
Cold remedy. M. D. Zalowitz. 441,877, Jan. 18; Serial No. 523,724, published Oct. 19, 1948.
Colognes and body powder. Avon Products, Inc. 435,002–3, Dec. 9, 1947. Republished Jan. 18.
Compositions for sizing, stiffening, and finishing thread, yarns, and other textile materials. I. G. Farbenindustrie Aktiengesellschaft. 228,362, May 31, 1927. Republished Jan. 18.

Cosmetics and toilet preparations. B. D. Glass. 441,866, Jan. 18; Serial No. 514,271, published Oct. 19, 1948.
Cream, Lemon. Morton Manufacturing Corporation. 505,761, published Oct.
Lotion, Hand. The Kendall Company. 315,767, Aug. 7, 1934. Republished Jan. 18.
Lotion, Skin. The Mennen Company. 505,804, Jan. 18; Serial No. 543,209, published Oct. 5, 1948.

Toilet preparations. A. H. Rabin. 371,166, Sept. 19, 1939. Republished Jan. 18.
Tonic, General, and mild laxative. Pan-American Drug Company, Inc. 249,777, renewed Nov. 20, 1948. O. G. Jan. 18.
Fibrous materials in sheet form. The Paraffine Companies, Inc. 381,202, Sept. 17, 1940. Republished Jan. 18.
Firebrick. Mexico Refractories Company. 505,790, Jan. 18; Serial No. 541,939, published Sept. 21, 1948.
Fire brick, fire-brick cement, and fire-clay tile. A. P.

Cosmetics and toilet preparations. B. D. Glass. 441,866, Jan. 18; Serial No. 514,271, published Oct. 19, 1948
Cream, Lemon. Morton Manufacturing Corporation. 505,689, Jan. 18; Serial No. 520,761, published Oct. 19, 1948.
Croup specific. W. W. Lee. 45,786, Aug. 29, 1905. Republished Jan. 18.
Dandruff remover, Liquid. Felts and Gunnels. 505,810, Jan. 18; Serial No. 545,114, published Oct. 5, 1948.
Dentifrice. The Procter & Gamble Company. 505,820, Jan. 18; Serial No. 546,605, published Oct. 5, 1948.
Deodorizer, bleach, etc., Liquid chemical. H. M. Sinclair, Jr. 505,694, Jan. 18; Serial No. 526,987, published Mar. 30, 1948.
Dips, Cattle, sheep, and horse. Baird & McGuire, Inc. 125,387, May 20, 1919. Republished Jan. 18.
Disinfectants and insecticides. Baird & McGuire, Inc. 232,438, Sept. 6, 1927. Republished Jan. 18.
Dispersions, Colloidal, of various types of carbon blacks in water. Binney & Smith Company. 505,887, Jan. 18; Serial No. 522,708.
Diuretics. Parke, Davis & Company. 253,360, renewed Feb. 26, 1949. O. G. Jan. 18.
Drench for veterinary use. Fort Dodge Laboratories, Inc. 441,840, Jan. 18; Serial No. 500,000, published Nov. 26, 1946.
Drug to be used in the treatment of cardiac conditions and asthma. Physicians' Drug & Supply Co. 505,849, Jan. 18; Serial No. 558,064, published Oct. 19, 1948.
Drug to be used in the treatment of thyroid diseases. Physicians' Drug & Supply Co. 505,850, Jan. 18; Serial No. 558,065, published Oct. 19, 1948.
Dyestuffs. General Dyestuff Corporation. 241,918, May 8, 1928. Republished Jan. 18.
Dyestuffs, dyes and dry colors. The Sherwin-Williams Company. 325,881, July 9, 1935. Republished Jan. 18.
Exterminator, Roach, ant, rat, and mouse. De Sota Chemical Co., Inc. 243,312, June 19, 1928. Republished Jan. 18.
Face packs. Elmo, Inc. 505,760, Jan. 18; Serial No. 537,027, published Oct. 19, 1948.
Facial creams. Elmo, Inc. 505,759, Jan. 18; Serial No. 537,026, published Oct. 19, 1948.
Fluxes, Welding and brasing. National Cylinder Gas Company. 401,928, June 15, 1943. Republished Jan. 18.
Fumigants, for use as parasiticides. Tobacco By-Products and Chemical Corporation. 441,844, Jan. 18; Serial No. 501,216, published Mar. 30, 1948.
Gum arabic solution, counter-etch, etc. Davidson Manufacturing Corporation. 505,739, Jan. 18; Serial No. 532,914, published Oct. 19, 1948.
Herb tea. J. E. Respondek. 505,746, Jan. 18; Serial No. 534,190, published Oct. 19, 1948.
Hydrocarbon solvents. Velsicol Corporation. 505,693, Jan. 18; Serial No. 525,717, published Oct. 5, 1948.
Hydroxide of aluminum, Colloidal. The Wander Company. 181,317, Mar. 18, 1924. Republished Jan. 18.
Insecticide. The Frank Tea & Spice Company. 238,824, Feb. 14, 1928. Republished Jan. 18.
Insecticides. American Company of Arkansas. 248,363, July 2, 1929. Republished Jan. 18.
Insecticides. Baird & McGuire, Inc. 299,639, Dec. 13, 1932. Republished Jan. 18.
Insecticides. W. H. Bull Medicine Company. 505,713, Jan. 18; Serial No. 528,908, published Oct. 19, 1948.
Insecticides. W. D. Carpenter Co. Inc. 230,756, Aug. 2, 1927. Republished Jan. 18.
Insecticides. Penola Inc. 505,830, Jan. 18; Serial No. 550,067, published Oct. 19, 1948.
Insecticides. Talbot Manufacturing Co. 211,607, Apr. 13, 1926. Republished Jan. 18.
Insecticides and moth preventives. Sears, Roebuck and Co. 505,831, Jan. 18; Serial No. 550,086, published Oct. 19, 1948.
Insecticides, disinfectants, repellants, etc. Apothecaries Hall Company. 255,572, renewed Apr. 23, 1949. O. G. Jan. 18.
Insecticides, fungicides, germicides and the like. The Sherwin-Williams Company. 144,633, July 12, 1921. Republished Jan. 18.
Insecticides, fungicides, or disinfectants. Rohm & Haas Company. 251,904, renewed Jan. 15, 1949. O. G. Jan. 18.
Iodine preparation. R. I. Guy. 505,808, Jan. 18; Serial No. 543,701, published Oct. 12, 1948.
Iron for anemia, Hematinic. La Cie. Pharmaceutique Desbergers. 391,703, Nov. 18, 1941. Republished Jan. 18.
Koji, moyashi, diastase, etc. Takamine Ferment Company. 251,949, renewed Jan. 22, 1949. O. G. Jan. 18.
Lighter fluid. Consolidated Royal Chemical Corporation. 388,123, June 10, 1941. Republished Jan. 18.
Liniment, Medicinal. The C. F. Sauer Company. 505,771, Jan. 18; Serial No. 539,443, published Oct. 5, 1948.
Lipstick, rouge, nail polish and face powder. Avon Products, Inc. 435,075, Dec. 9, 1947. Republished Jan. 18.
Lipsticks, rouges and nail polish. Avon Products, Inc. 434,901, Dec. 9, 1947. Republished Jan. 18.
Liquid for loosening postage stamps. S. H. Uptgraff. 441,875, Jan. 18; Serial No. 519,499, published Oct. 5, 1948.
Lotion, Face. A. J. Krank Company. 280,107, Feb. 10, 1931. Republished Jan. 18.
Lotion, Hand. The Kendall Company. 315,767, Aug. 7, 1934. Republished Jan. 18.
Lotion, Skin. The Mennen Company. 505,804, Jan. 18; Serial No. 543,209, published Oct. 5, 1948.
Lotions, Face. W. Savlou. 505,848, Jan. 18; Serial No. 557,982, published Oct. 12, 1948.
Lozenges, Medicated. Hudson's Eumenthol Chemical Company Pty. Limited. 505,817, Jan. 18; Serial No. 545,627, published Oct. 5, 1948.
Powder, Toilet, talcum powder, medicated, powder, etc. The Mennen Company. 505,807, Jan. 18; Serial No. 543,311, published Oct. 5, 1948.
Medical preparation. K. Mallard. 389,678, Aug. 19, 1941. Republished Jan. 18.
Medicaments. Societe des Usines Chimiques Rhone-Poulenc. 506,766, Jan. 18; Serial No. 538,049, published Oct. 5, 1948.
Medicinal oil. National Remedy Co. 70,641, re-renewed Sept. 22, 1948. O. G. Jan. 18.
Medicinal preparation containing vitamin A. Lilly Eli and Company. 441,839, Jan. 18; Serial No. 499,247, published Mar. 11, 1947.
Moth preventative and insecticide. Galree Products Co., Inc. 505,724, Jan. 18; Serial No. 530,397, published Oct. 5, 1948.
Ointment. Yodol Company. 441,865, Jan. 18; Serial No. 514,077, published Sept. 23, 1947.
Ointment, Fungicidal and fungicidal powder. W. C. Dabney, Jr. 505,845, Jan. 18; Serial No. 557,120, published Oct. 12, 1948.
Ointments. L. P. Phillippi. 246,886, renewed Sept. 18, 1948. O. G. Jan. 18.
Paraffin, Chemically treated. Cobar Laboratories, Inc. 505,711, Jan. 18; Serial No. 528,773, published Oct. 5, 1948.
Petrolatum, Liquid, also known as white oil. Standard Oil Company of California. 505,847, Jan. 18; Serial No. 557,697, published Oct. 12, 1948.
Pharmaceutical preparations of amino acids and polypeptides from hydrolysed protein foods. The Arlington Chemical Company. 505,846, Jan. 18; Serial No. 557,335, published Oct. 12, 1948.
Pharmaceutical product. La Compagnie Pharmaceutique Desbergers. 374,966, Jan. 30, 1940. Republished Jan. 18.
Photographic developers, and photographic accelerators. H. S. Wellcome. 71,460, re-renewed Nov. 24, 1948. O. G. Jan. 18.
Powder, Toilet, cold cream, eau de cologne, etc. Société Anonyme des Laboratoires Innoxa. 175,655, renewed Nov. 6, 1943. O. G. Jan. 18.
Preparation for treatment of ivy, sumac and oak poisoning, etc. E. H. Acree. 505,783, Jan. 18; Serial No. 540,758, published Aug. 31, 1948.
Preparation for use on grate surfaces and for the prevention and removal of soot and fire scale deposits in boilers. The Bird-Archer Company. 336,486, July 7, 1936. Republished Jan. 18.
Preparations exhibiting antispasmodic and antihistaminic activity. Hoffman-La Roche Inc. 441,876, Jan. 18; Serial No. 521,132, published Nov. 11, 1947.
Purgative tea. A. Sicre. 23,951, re-renewed Dec. 26, 1943. O. G. Jan. 18.
Remedy for eruptional skin diseases. Emergency Laboratories. 74,724, Aug. 3, 1909. Republished Jan. 18.
Rodenticide. Thompson-Hayward Chemical Company. 434,015, Nov. 4, 1947. Republished Jan. 18.
Rouge, Dry, cream rouge, lipsticks and nail polish. Lehn & Fink Products Corporation. 505,826, Jan. 18; Serial No. 549,261, published June 22, 1948.
Sedative, antispasmodic analgesic and hypnotic. A. Buisson. 161,755, renewed Nov. 21, 1942. O. G. Jan. 18.
Sedative containing phenobarbital, Mild. The National Drug Company. 433,996, Nov. 4, 1947. Republished Jan. 18.
Shampoo. Whitehall Pharmacal Company. 505,841, Jan. 18; Serial No. 552,526, published Oct. 5, 1948.
Shampoos; hair waving solutions; hair rinses, etc., Hair. Samuel Bonat & Bro., Inc. 505,768, Jan. 18; Serial No. 538,596, published Oct. 19, 1948.
Solder, Liquid radiator. J. Goldner. 505,727, Jan. 18; Serial No. 530,932, published Sept. 28, 1948.
Solvent for use in duplicating processes. Ditto, Incorporated. 505,818, Jan. 18; Serial No. 546,374, published Oct. 5, 1948.
Special device coated with DDT crystals. J. W. Lawlor. 441,846, Jan. 18; Serial No. 501,991, published Oct. 19, 1948.
Starch, Laundry. The Perfex Company. 505,691, Jan. 18; Serial No. 523,418, published Oct. 12, 1948.
Sulfonamide preparation. American Cyanamid Company. 505,851, Jan. 18; Serial No. 558,265, published Oct. 19, 1948.
Sulfonamide preparation. Smith, Kline & French Laboratories. 505,844, Jan. 18; Serial No. 556,922, published Oct. 5, 1948.
Sulfonamide preparation for veterinary use. American Cyanamid Company. 505,852, Jan. 18; Serial No. 558,266, published Oct. 19, 1948.
Sulphur. Stauffer Chemical Company. 505,824, Jan. 18; Serial No. 547,786, published Aug. 31, 1948.
Toilet preparation, Semi-solid. H. S. Wellcome. 71,267, re-renewed Nov. 10, 1948. O. G. Jan. 18.

Toilet preparations. A. H. Rabin. 371,166, Sept. 19, 1939. Republished Jan. 18.
Tonic, General, and mild laxative. Pan-American Drug Company, Inc. 249,777, renewed Nov. 20, 1948. O. G. Jan. 18.
Tonics. Battle Creek Drugs, Inc. 333,669, Mar. 31, 1936. Republished Jan. 18.
Vaginal jellies, Therapeutic. Ortho Pharmaceutical Corporation. 440,382, Aug. 31, 1948. Amended. O. G. Jan. 18.
Vaginal jelly. Holland-Rantos Company, Inc. 505,674, Jan. 18; Serial No. 509,343, published Oct. 5, 1948.
Vanishing and massage cream. A. J. Krank Mfg. Co. 170,745, July 24, 1923. Republished Jan. 18.
Vitamin preparation. Sharp & Dohme, Incorporated. 505,794, Jan. 18; Serial No. 542,358, published Oct. 5, 1948.
Vitamin preparations, chemicals and pharmaceuticals. Stayner Corporation. 505,676, Jan. 18; Serial No. 512,463, published Sept. 14, 1948.
Volatile liquid. Davies, Rose & Company, Limited. 255,197, renewed Apr. 16, 1949. O. G. Jan. 18.
Water softener with incidental cleansing properties. The Morton S. Pine Co. 505,772, Jan. 18; Serial No. 539,561, published Sept. 21, 1948.
Welding compound. H. L. P. Manufacturing Company. 505,789, Jan. 18; Serial No. 539,051, published Oct. 5, 1948.
Wetting agents, emulsifiers, Chemical. Advance Solvents & Chemical Corporation. 441,871, Jan. 18; Serial No. 517,687, published Oct. 12, 1948.

CLASS 7

Ribbon composed of a plurality of parallel cotton threads or strands. Freydberg Bros., Inc. 378,766, June 18, 1940. Republished Jan. 18.
Rope. Compania De Jarcia De Matanzas, S. A. 431,281, July 15, 1947. Republished Jan. 18.
Rope and twine. Compania De Jarcia De Matanzas, S. A. 176,594, Nov. 27, 1923. Republished Jan. 18.
Rope, binder and other twines. Ramoer, Erbsloh and Company. 106,501, Oct. 19, 1915. Republished Jan. 18.

CLASS 8

Ash receivers, and trays, cigarette holders, etc. Ovington's Gift Shop, Inc. 398,290, Oct. 20, 1942. Republished Jan. 18.
Pipes and tobacco pouches, Smoking. Newman Bros. 505,867, Jan. 18; Serial No. 501,760.
Pipes, ashtrays, ash receivers, etc., Smoker's. John Hudson Moore, Inc. 505,898, Jan. 18; Serial No. 534,145.
Scarfpins, watch chains, cuff links, etc. Ovington Bros. Company. 156,826, July 11, 1922. Republished Jan. 18.

CLASS 10

Fertilizer. Ruhm Phosphate & Chemical Company. 505,696, Jan. 18; Serial No. 527,199, published Sept. 28, 1948.
Fertilizer, Ammonium nitrate. Spencer Chemical Company. 505,895, Jan. 18; Serial No. 531,157.
Fertilizers. Agricultural Minerals Company. 505,829, Jan. 18; Serial No. 549,865, published Aug. 24, 1948.
Fertilizers. Pacific Chemical and Fertilizer Company. 505,825, Jan. 18; Serial No. 548,099, published Sept. 28, 1948.
Fertilizers. J. R. Simplot. 505,698, Jan. 18; Serial No. 527,437, published Sept. 28, 1948.
Fertilizers, J. R. Simplot. 505,699–700, Jan. 18; Serial Nos. 527,467–8, published Sept. 28, 1948.
½ monopotassium phosphate and ½ diammonium phosphate for a starter solution. Victor Chemical Works. 505,708, Jan. 18; Serial No. 528,543, published Sept. 28, 1948.
Peat moss. Peat Moss Sales Corporation. 505,677, Jan. 18; Serial No. 513,200, published Sept. 7, 1948.
Plant food or fertilizer. Geo. Talt & Sons, Inc. 505,726, Jan. 18; Serial No. 530,591, published Sept. 28, 1948.
Plant foods. Planters Cotton Oil & Fertilizer Co. 391,523, Nov. 11, 1941. Republished Jan. 18.

CLASS 11

Carbon paper and typewriter ribbons. Codo Manufacturing Corp. 505,684, Jan. 18; Serial No. 517,456, published Oct. 5, 1948.
Ink, Indorsing-machine. The American Perforator Co. 249,674, renewed Nov. 20, 1948. O. G. Jan. 18.

CLASS 12

Aggregate, lightweight concrete aggregate, etc., Lightweight plaster. Dant & Russell, Inc. 505,773, Jan. 18; Serial No. 539,668, published Sept. 7, 1948.
Building and roofing materials, Waterproof and weatherproof. The Paraffine Paint Co. 57,538, Nov. 13, 1906. Republished Jan. 18.
Building material. The Logan-Long Company. 295,718, July 12, 1932. Republished Jan. 18.
Building paper, thermal and acoustical insulating paper, etc. The Paraffine Companies, Inc. 286,057, Aug. 11, 1931. Republished Jan. 18.
Door and parts thereof, Garage. Curtis Companies Incorporated. 397,210, Aug. 25, 1942. Republished Jan. 18.
Fibrous materials in sheet form. The Paraffine Companies, Inc. 381,202, Sept. 17, 1940. Republished Jan. 18.
Firebrick. Mexico Refractories Company. 506,790, Jan. 18; Serial No. 541,939, published Sept. 21, 1948.
Fire brick, fire-brick cement, and fire-clay tile. A. P. Green Fire Brick Company. 505,910, Jan. 18; Serial No. 544,078.
Firebricks. McFeely Brick Company. 434,708, Dec. 2, 1947. Republished Jan. 18.
Heat insulation materials, Reflective. Silvercote Products, Inc. 505,707, Jan. 18; Serial No. 528,317, published Aug. 31, 1948.
Insulation materials, Thermal reflective. Silvercote Products, Inc. 505,683, Jan. 18; Serial No. 516,796, published Aug. 31, 1948.
Lath, Metal. Wheeling Corrugating Company. 505,764, Jan. 18; Serial No. 537,529, published Sept. 7, 1948.
Plastic, asphalt or coal-tar materials. The Sherwin-Williams Company. 374,429, Jan. 9, 1940. Republished Jan. 18.
Plywood. Southern Box and Lumber Company. 505,668, Jan. 18; Serial No. 495,517, published Sept. 7, 1948.
Rail sections. The West Virginia Rail Company. 255,442, renewed Apr. 23, 1949. O. G. Jan. 18.
Roofing and building paper. Safepack Mills. 250,552, renewed Dec. 11, 1948. O. G. Jan. 18.
Roofing and building-papers, Waterproof. The Paraffine Paint Co. 75,095, Aug. 31, 1909. Republished Jan. 18.
Roofing, building paper, and insulating paper, Prepared. The Paraffine Companies, Inc. 273,570, Aug. 5, 1930. Republished Jan. 18.
Windows and door frames. Carr, Adams & Collier Company. 505,816, Jan. 18; Serial No. 545,582, published Sept. 21, 1948.

CLASS 13

Aluminum cooking utensils and household goods. Aluminum Goods Mfg. Company. 122,123, July 2, 1918. Republished Jan. 18.
Bolts and screws. Buffalo Bolt Company. 73,356, renewed Apr. 13, 1949. O. G. Jan. 18.
Cooking and table hollow-ware, Base metal. G. S. Slough. 375,040, Feb. 6, 1940. Republished Jan. 18.
Couplings and feed valves, Pipe. C. S. Plaut. 402,124, June 29, 1943. Republished Jan. 18.
Faucets, and overflow valves, Kitchen, bath, and laundry. Barnes Manufacturing Co. 506,587, Jan. 18; Serial No. 522,333.
Faucets, plumbing valves, shower bath fittings, etc. Mueller Co. 381,450, Sept. 24, 1940. Republished Jan. 18.
Faucets, Sink. Barnes Manufacturing Co. 506,586, Jan. 18; Serial No. 522,325.
Nozzles, H. B. Sherman. 65,949, Oct. 29, 1907. Republished Jan. 18.
Pipe fittings, Brass and iron. H. Mueller Manufacturing Company. 66,513, Dec. 10, 1907. Republished Jan. 18.
Pipe, Non-ferrous. Mueller Co. 290,835, Jan. 19, 1932. Republished Jan. 18.
Posts, Metallic fence. B. Anderson. 255,936, renewed Apr. 30, 1949. O. G. Jan. 18.
Pots and urns, Coffee. The Coleman Lamp and Stove Company. 322,606, Mar. 12, 1935. Republished Jan. 18.
Pots and coffee urns, Coffee. The Coleman Lamp and Stove Company. 321,973, Feb. 19, 1935. Republished Jan. 18.
Screws, Wood. Continental Wood Screw Co. 177,255, Dec. 11, 1923. Republished Jan. 18.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.
Traps and filters, Combination. The Hotstream Heater Company. 345,588, May 4, 1937. Republished Jan. 18.
Valve, cocks, pressure regulators, and tapping machines. H. Mueller Manufacturing Company. 30,910, Nov. 30, 1897. Republished Jan. 18.
Waste and overflows and parts of same, Combined. H. Mueller Manufacturing Company. 85,269, Feb. 6, 1912. Republished Jan. 18.

CLASS 14

Castings and forgings, welding rods, railroad frogs, etc. American Brake Shoe Company. 505,811, Jan. 18; Serial No. 520,666, published Nov. 2, 1948.
Castings, Metal. Arwood Precision Casting Corp. 505,884, Jan. 18; Serial No. 520,849.
Copper sheet, copper in rolls, copper wire, etc. Copper Range Company. 505,756, Jan. 18; Serial No. 535,490, published Sept. 28, 1948.
Electrodes composed of metal, Cutting. Eutectic Welding Alloys Corporation. 505,821, Jan. 18; Serial No. 546,684, published Sept. 21, 1948.
Gear blanks, iron forgings, steel castings, Solid forged, etc. Standard Steel Works Company. 164,829, Feb. 27, 1923. Republished Jan. 18.
Iron and upon tool steels, machinery steels, etc. Wheelock, Lovejoy & Company, Inc. 229,183, June 21, 1927. Republished Jan. 18.
Metals, Ferrous, and ferrous metal castings and forgings. The American Brake Shoe and Foundry Company. 373,742, Dec. 19, 1939. Republished Jan. 18.
Metals, Ferrous, and ferrous metal castings and forgings. The American Brake Shoe and Foundry Company. 373,934, Dec. 26, 1939. Republished Jan. 18.

Metals, Noncorrosive. The Scholl Mfg. Co., Inc. 252,370, renewed Feb. 5, 1949. O. G. Jan. 18.
Nickel alloy. The Carpenter Steel Company. 441,870, Jan. 18; Serial No. 517,117, published Sept. 21, 1948.
Powder of iron or other base metal. George Cohen Sons

Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 324,587, May 21, 1935. Republished Jan. 18.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 370,582, Aug. 29, 1939. Republished Jan. 18.

Bowling pins. Monumental Bowling and Billiard Supply Company. 441,852, Jan. 18; Serial No. 506,183, published Oct. 8, 1948.
Dice, dice shakers, dominoes, etc. G. E. Koppe. 249,951, Nov. 27, 1928. Republished Jan. 18.
Ferrules, Fishing pole. Western Grinders. 505,888, Jan.

Rasors and razor blades, Mechanical. Stahly, Inc. 505,706, Jan. 18; Serial No. 528,115, published Sept. 28, 1948.
Remote control devices, Mechanical. M. R. C. Limited. 360,963, Oct. 4, 1938. Republished Jan. 18.
Rings and rolled shells for crushers. Standard Steel

Metals, Noncorrosive. The Scholl Mfg. Co., Inc. 252,370, renewed Feb. 5, 1949. O. G. Jan. 18.
Nickel alloy. The Carpenter Steel Company. 441,870, Jan. 18; Serial No. 517,117, published Sept. 21, 1948.
Powder of iron or other base metal. George Cohen Sons & Company, Limited. 505,761, Jan. 18; Serial No. 537,157, published Sept. 21, 1948.
Rods and metal alloys, Welding. The American Brake Shoe and Foundry Company. 374,363, Jan. 9, 1940. Republished Jan. 18.
Rods or wire. Metallizing Engineering Co. Inc. 505,795, Jan. 18; Serial No. 542,614, published Sept. 21, 1948.
Rods or wire. Metallizing Engineering Co. Inc. 505,798–9, Jan. 18; Serial Nos. 542,618–19, published Sept. 21, 1948.
Rods or wires. Metallizing Engineering Co. Inc. 505,796, Jan. 18; Serial No. 542,615, published Sept. 21, 1948.
Sheets of metal, Perforated. The Sight Light Corporation. 441,867, Jan. 18; Serial No. 514,308, published Sept. 21, 1948.
Sheets, rods, and wire, Brass, copper, and nonferrous alloy, and silver solder. Chase Brass & Copper Co., Incorporated. 505,789, Jan. 18; Serial No. 541,916, published Sept. 21, 1948.
Sheets, strips, bars, Ferrous, etc. Inland Steel Company. 505,666, Jan. 18; Serial No. 494,273, published Sept. 21, 1948.
Steel. Inland Steel Company. 505,718, Jan. 18; Serial No. 529,264, published Sept. 21, 1948.
Steel in sheet form, Galvanized. Inland Steel Company. 505,770, Jan. 18; Serial No. 539,322, published Sept. 21, 1948.
Steel, Sheet, and enameling iron sheets. The Niles Rolling Mill Company. 505,705, Jan. 18; Serial No. 537,719, published Sept. 21, 1948.
Steel used for die blocks, hot and cold trimmer dies, hot and cold coining dies, etc. A. Finkl & Sons Company. 505,667, Jan. 18; Serial No. 494,490, published Sept. 21, 1948.
Wire or rod. Metallizing Engineering Co. Inc. 505,797, Jan. 18; Serial No. 542,617, published Sept. 21, 1948.
Wire, Stapling. Chicago Steel & Wire Company. 241,836, May 8, 1928. Republished Jan. 18.

CLASS 15

Candles. B. S. Ballard. 414,524, June 12, 1945. Republished Jan. 18.
Greases, Valve lubricating. Rockwell Manufacturing Company. 505,899, Jan. 18; Serial No. 534,365.
Naphtha, benzin, gasolene, etc. Standard Oil Company. 103,125, Mar. 16, 1915. Republished Jan. 18.
Naphthas and gasoline, Stove and lamp. The Pure Oil Company. 505,858, Jan. 18; Serial No. 563,751, published Oct. 19, 1948.
Oil, Motor fuel, fuel oil, lubricating oils, etc. The Ohio Oil Company. 505,751, Jan. 18; Serial No. 534,804, published Oct. 5, 1948.
Oil, Motor lubricating. Frontier Oil Refining Corporation. 505,692, Jan. 18; Serial No. 523,893, published Oct. 12, 1948.
Oil, Motor lubricating. Illinois Farm Supply Company. 505,690, Jan. 18; Serial No. 522,009, published Sept. 14, 1948.
Oils and greases, Lubricating. Central Petroleum Company. 505,665, Jan. 18; Serial No. 485,751, published Sept. 7, 1948.
Oils and greases, Lubricating. The Ohio Oil Company. 505,748, Jan. 18; Serial No. 534,460, published Sept. 14, 1948.
Oils and greases, Lubricating. The Pure Oil Company. 505,697, Jan. 18; Serial No. 527,282, published Sept. 7, 1948.
Oils for machinery, Lubricating. International Harvester Company. 505,672, Jan. 18; Serial No. 504,618, published Sept. 14, 1948.
Oils, Lubricating motor. The Ohio Oil Company. 505,750, Jan. 18; Serial No. 534,803, published Oct. 5, 1948.
Oils, Motor lubricating. Pennsylvania Refining Company. 505,757, Jan. 18; Serial No. 536,280, published Oct. 19, 1948.

CLASS 16

Colors, Dry, and pigments and ingredients of colors. The Sherwin-Williams Company. 317,828, Oct. 9, 1934. Republished Jan. 18.
Enamel, Paint. The Paraffine Companies, Inc. 317,946, Oct. 9, 1934. Republished Jan. 18.
Paint, Aluminum. John R. Sullivan. 380,074, Aug. 6, 1940. Republished Jan. 18.
Paint enamel, Acid resisting. E. Scherer. 441,889, Jan. 18; Serial No. 508,443.
Paint, Flat undercoat. The Paraffine Companies, Inc. 176,544, Nov. 27, 1923. Republished Jan. 18.
Paint in paste form. The Sherwin-Williams Company. 407,671, June 20, 1944. Republished Jan. 18.
Paint, stains, varnishes, Mixed and dry. California Paint Company. 149,862, Dec. 27, 1921. Republished Jan. 18.
Paint, Waterproof roof. Union Chemical & Oil Co. 427,101, Jan. 28, 1947. Republished Jan. 18.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 278,147, Dec. 9, 1930. Republished Jan. 18.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 324,587, May 21, 1935. Republished Jan. 18.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 370,582, Aug. 29, 1939. Republished Jan. 18.
Paints, Ready-mixed. Valentine & Company. 261,569–70, Sept. 17, 1929. Republished Jan. 18.
Paints, Ready-mixed. Valentine & Company. 280,636, Feb. 24, 1931. Republished Jan. 18.
Paints, Ready mixed liquid, paste, and emulsified, paint-enamels, etc. The Paraffine Companies, Inc. 368,660, June 27, 1939. Republished Jan. 18.
Paints, varnishes, lacquers, etc. The Sherwin-Williams Company. 286,574, Sept. 1, 1931. Republished Jan. 18.

CLASS 17

Cigars. Jose Escalante & Co. 301,845, Feb. 28, 1933. Republished Jan. 18.
Cigars. I. Lewis Cigar Manufacturing Company. 152,860, Mar. 7, 1922. Republished Jan. 18.
Cigars. I. Lewis Cigar Manufacturing Company. 153,227, Mar. 14, 1922. Republished Jan. 18.
Cigars. I. Lewis Cigar Manufacturing Company. 313,810, June 12, 1934. Republished Jan. 18.
Cigars. S. S. Pierce Co. 32,739, re-renewed Apr. 18, 1949. O. G. Jan. 18.

CLASS 19

Airplanes and airplane structural parts. Spartan Aircraft Company. 253,547–9, renewed Feb. 26, 1949. O. G. Jan. 18.
Casings, Rigid and semirigid. General Textile Mills, Inc. 418,501, Jan. 1, 1946. Republished Jan. 18.
Parachutes. General Textile Mills, Inc. 402,088, June 29, 1943. Republished Jan. 18.
Rowboats and motor boats. H. Cohn. 365,624, Mar. 14, 1939. Republished Jan. 18.
Sills for refrigerator car doors and the like. The American Brake Shoe and Foundry Company. 362,527, Nov. 22, 1938. Republished Jan. 18.
Vehicle wheels and truck caster wheels. The American Brake Shoe and Foundry Company. 403,270, Sept. 14, 1943. Republished Jan. 18.
Wagons, Distributing, dumping wagons, and road oil distributors. American Road Machinery Company. 230,294, July 19, 1927. Republished Jan. 18.

CLASS 20

Floor coverings, Prepared. The Paraffine Companies, Inc. 211,469, Apr. 13, 1926. Republished Jan. 18.

CLASS 21

Conductors, Insulated electrical. The Acme Wire Company. 72,677–9, Feb. 9, 1909. Republished Jan. 18.
Controllers, Pressure responsive electric. The Hotstream Heater Company. 411,192, Jan. 9, 1945. Republished Jan. 18.
Electromagnets. The Acme Wire Company. 73,129, Mar. 16, 1909. Republished Jan. 18.
Extension cords, Retractable. Cordage, Incorporated. 415,518–19, Aug. 7, 1945. Republished Jan. 18.
Fixtures and parts thereof, Electric lighting. R & W Wiley, Inc. 505,860, Jan. 18; Serial No. 489,889.
Heating units, Electrical, etc. Tuttle & Kift, Inc. 503,865, Nov. 16, 1948. Corrected. O. G. Jan. 18.
Lamps with shades, Electric. Ovington's Gift Shop, Inc. 398,176, Oct. 13, 1942. Republished Jan. 18.
Position indicator for elevators, Electric. Elevator Supplies Co., Inc. 214,612, June 29, 1926. Republished Jan. 18.
Resistors, Electrical, resistance units, parts thereof and attachments therefor. Wilkor Products, Inc. 505,880, Jan. 18; Serial 517,759.
Sound amplifying and transmitting systems and parts thereof, Intercommunicating. Webster Electric Company. 434,723, Dec. 2, 1947. Republished Jan. 18.
Tape, Electrical insulating. Manhattan Coil Corporation. 505,881, Jan. 18; Serial No. 518,019.
Varnishes, Insulating, and insulating tape. The Paraffine Companies, Inc. 275,645, Sept. 23, 1930. Republished Jan. 18.
Wire, Insulated electric. The Acme Wire Company. 364,271–2, Jan. 24, 1939. Republished Jan. 18.
Wire, Insulated electric. The Acme Wire Company. 364,764, Feb. 14, 1939. Republished Jan. 18.
Wire, Insulated electric. The Whitney Blake Company. 435,055–6, Dec. 9, 1947. Republished Jan. 18.

CLASS 22

Bait in the nature of a lure, Animal. Animal Trap Company of America. 441,873, Jan. 18; Serial No. 517,880, published Sept. 21, 1948.
Baits, Artificial. James Heddon's Sons. 230,453, July 26, 1927. Republished Jan. 18.
Balls used in games, Metal. S K F Industries, Inc. 505,716, Jan. 18; Serial No. 529,091, published Sept. 21, 1948.
Balls used in games, Metal. S K F Industries, Inc. 505,717, Jan. 18; Serial No. 529,094, published Sept. 21, 1948.
Bowling balls. The Brunswick-Balke-Collender Company. 441,855, Jan. 18; Serial No. 506,729, published Oct. 8, 1946.

Bowling pins. Monumental Bowling and Billiard Supply Company. 441,852, Jan. 18; Serial No. 506,183, published Oct. 8, 1946.
Dice, dice shakers, dominoes, etc. G. E. Koppe. 249,951, Nov. 27, 1928. Republished Jan. 18.
Ferrules, Fishing pole. Western Grinders. 505,888, Jan. 18; Serial No. 522,964.
Fishhooks. Driscoll-Bruck Company, Ltd. 377,845, May 14, 1940. Republished Jan. 18.
Fishing reels. Langley Corporation. 505,903, Jan. 18; Serial No. 540,685.
Fishing rods. James Heddon's Sons. 505,905, Jan. 18; Serial No. 541,838.
Fishing trolls. L. M. Davis. 418,761, Jan. 8, 1946. Republished Jan. 18.
Game, Drawing room. A. H. Cohen. 505,705, Jan. 18; Serial No. 528,086, published Sept. 21, 1948.
Golf balls, golf clubs, basketballs, etc. A. G. Spalding & Bros. Inc. 505,779, Jan. 18; Serial No. 540,212, published Sept. 21, 1948.
Playing cards and playing card cases, poker chips, etc. Ovington's Gift Shop, Inc. 398,177, Oct. 13, 1942. Republished Jan. 18.
Sporting goods. Healthways. 441,837, Jan. 18; Serial No. 497,541, published Sept. 21, 1948.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.
Tennis balls, hand balls, and shuttlecocks. Pennsylvania Rubber Company. 421,765, June 18, 1946. Republished Jan. 18.
Tennis rackets, badminton rackets, squash rackets, etc. A. G. Spalding & Bros. Inc. 505,777, Jan. 18; Serial No. 540,210, published Sept. 21, 1948.
Tennis rackets, squash rackets, and badminton rackets. A. G. Spalding & Bros. Inc. 505,778, Jan. 18; Serial No. 540,211, published Sept. 21, 1948.
Toy model kits. Crafto Inc. 441,853, Jan. 18; Serial No. 506,427, published Sept. 21, 1948.
Toys. Artoys Inc. 441,841, Jan. 18; Serial No. 500,729, published Sept. 21, 1948.
Toys, Stuffed. J. Swedlin, Inc. 441,879, Jan. 18; Serial No. 524,027, published Sept. 21, 1948.

CLASS 23

Bearings, Composition, machinery shaft couplings, and slides. The American Brake Shoe and Foundry Company. 351,296, Oct. 26, 1937. Republished Jan. 18.
Bearings, Composition, machinery shaft couplings and slides. The American Brake Shoe and Foundry Company. 368,737, June 27, 1939. Republished Jan. 18.
Bits, Auger. The Irwin Auger Bit Company. 358,155, June 28, 1938. Republished Jan. 18.
Blocks, Vibration-control and noise-control. Jardin Associates, Inc. 441,851, Jan. 18; Serial No. 505,753, published Sept. 28, 1948.
Churns, Electric. Alabama Appliance Company, Inc. 372,414, Oct. 31, 1939. Republished Jan. 18.
Cooking utensils and household goods, Aluminum. Aluminum Goods Mfg. Company. 122,123, July 2, 1918. Republished Jan. 18.
Dairy products processing equipment. The Creamery Package Mfg. Company. 505,702, Jan. 18; Serial No. 527,591, published Sept. 28, 1948.
Driving axles for vehicles. Mack Manufacturing Corporation. 441,859, Jan. 18; Serial No. 509,227, published Sept. 28, 1948.
Evaporators, various types of condensers, Various types of. Whiting Corporation. 441,857, Jan. 18; Serial No. 508,560, published Sept. 28, 1948.
Farm implements of all kinds, Cockshutt Plow Company, Limited. 441,880, Jan. 18; Serial No. 524,376, published Oct. 5, 1948.
Fire extinguishers, Portable hand, and automatic fire extinguishers. Burnoyl Heating Corporation. 248,039, Oct. 16, 1928. Republished Jan. 18.
Fuel pumps, brake lining equipment. Atlas Supply Company. 505,735, Jan. 18; Serial No. 531,759, published Sept. 28, 1948.
Knives, forks, spoons, etc., Base metal. Georg Jensen, Inc. 505,671, Jan. 18; Serial No. 504,360, published Sept. 28, 1948.
Knives having square, sharp, round, or beveled points, Shoe, lip knives, skiving knives, etc. 505,788, Jan. 18; Serial No. 541,783, published Oct. 5, 1948.
Lathes, Metal working. Gisholt Machine Company. 505,678, Jan. 18; Serial No. 513,881, published June 22, 1948.
Litter carriers, Hog feed and overhead conveyor type, rotary wheel hog oilers, milking machines, etc. Sears, Roebuck and Co. 441,831, Jan. 18; Serial No. 465,082, published Oct. 5, 1948.
Mechanisms, Engine starting. Bendix Aviation Corporation. 425,926, Dec. 10, 1946. Republished Jan. 18.
Mining machines, hoisting mechanism, and rotary engines. Sullivan Machinery Company. 164,992, Feb. 27, 1923. Republished Jan. 18.
Mixer strainers. Automatic Wire Goods Mfg. Co. Inc. 441,883, Jan. 18; Serial No. 525,177, published Oct. 5, 1948.
Power units, Hydraulic. Blackhawk Mfg. Co. 422,172, July 9, 1946. Republished Jan. 18.
Pumps, grease guns, and blowers, and parts thereof. Fulflo Specialties Company. 255,148, renewed Apr. 16, 1949. O. G. Jan. 18.
Razors and razor blades, Mechanical. Stahly, Inc. 505,706, Jan. 18; Serial No. 528,116, published Sept. 28, 1948.
Remote control devices, Mechanical. M. R. C. Limited. 360,963, Oct. 4, 1938. Republished Jan. 18.
Rings and rolled shells for crushers. Standard Steel Works Company. 166,037, Mar. 27, 1923. Republished Jan. 18.
Rock crushers, elevators, conveyers, etc. The Good Roads Machinery Company, Inc. 208,520, Feb. 2, 1926. Republished Jan. 18.
Rocking machines, Vehicle. Moto-Sway Corporation of America. 327,290, Aug. 20, 1935. Republished Jan. 18.
Rollers, Ink transfer. Bingham Brothers Company. 505,889–90, Jan. 18; Serial Nos. 524,290–1.
Rollers, Printers' composition coated rollers, offset and lithograph rollers, etc. Rapid Roller Co. 387,820, June 3, 1941. Republished Jan. 18.
Rolling device. The Sherwin-Williams Company. 399,867, Feb. 2, 1943. Republished Jan. 18.
Screw machine attachment for a lathe. Dunn Engineering Company. 441,849, Jan. 18; Serial No. 505,564, published Sept. 28, 1948.
Sewage treatment equipment, gas safety devices. Pacific Flush-Tank Company. 505,695, Jan. 18; Serial No. 527,141, published Sept. 28, 1948.
Sewing machines, Running stitch machines for glove sewing and ornamental stitching and parts and accessories, etc. American Machine and Foundry Company. 441,863, Jan. 18; Serial No. 512,305, published Sept. 28, 1948.
Sirens, Mechanical. The Sireno Company, Inc. 505,723, Jan. 18; Serial No. 530,033, published Sept. 28, 1948.
Skiving-machines and machines for drilling iron and steel. Fortuna Machine Company. 67,254, Jan. 28, 1908. Republished Jan. 18.
Soda fountains. Robert M. Green & Sons, Inc. 505,719, Jan. 18; Serial No. 529,638, published Sept. 28, 1948.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.
Tire inflation and fire extinguishing unit. Power-Pak Products Inc. 441,848, Jan. 18; Serial No. 502,841, published Mar. 25, 1947.
Tool for drilling, tapping, and reaming in metal and other material working, Combination. Mueller Co. 377,734, May 14, 1940. Republished Jan. 18.
Turntables. H. H. Mack. 368,863, July 4, 1939. Republished Jan. 18.
Type-character-bearing elements for use in typographical machines. Intertype Corporation. 505,876, Jan. 18; Serial No. 513,252.
Valve cocks, pressure regulators, and tapping machines. H. Mueller Manufacturing Company. 30,910, Nov. 30, 1897. Republished Jan. 18.
Wrenches and wrench sets. Blackhawk Mfg. Co. 419,119, Feb. 5, 1946. Republished Jan. 18.
Wrenches, Socket, box wrenches, open end wrenches, etc. Blackhawk Mfg. Co. 424,871, Oct. 29, 1946. Republished Jan. 18.
Yarders, loaders, and locomotives. Skagit Steel & Iron Works. 505,803, Jan. 18; Serial No. 543,041, published Oct. 12, 1948.

CLASS 24

Washing machines. Horton Manufacturing Company. 363,564, Jan. 3, 1939. Republished Jan. 18.

CLASS 26

Gages, Strain, strain indicating and recording instruments. The Baldwin Locomotive Works. 410,180, Nov. 14, 1944. Republished Jan. 18.
Photometers. Frober Faybor Company. 349,248, Aug. 24, 1937. Republished Jan. 18.
Regulating apparatus, Thermostatically controlled. The Coleman Company, Inc. 423,229, Aug. 27, 1946. Republished Jan. 18.
Spectacles, spectacle-frames, and mountings for eyeglasses. Martin-Copeland Company. 128,449, Jan. 6, 1920. Republished Jan. 18.

CLASS 27

Clocks, time clocks, control clocks, etc. Self Winding Clock Company, Inc. 441,882, Jan. 18; Serial No. 524,726, published Oct. 12, 1948.
Watchcases, clocks, watches, and parts thereof. Parker Watch Co., Inc. 505,791, Jan. 18; Serial No. 541,959, published Oct. 12, 1948.
Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 505,730, Jan. 18; Serial No. 531,465, published Oct. 19, 1948.
Watches. Bulova Watch Company, Inc. 505,673, Jan. 18; Serial No. 508,710, published Oct. 19, 1948.
Watches. The Hecht Co. 441,881, Jan. 18; Serial No. 524,653, published Jan. 6, 1948.
Watches. Helbros Watch Company, Inc. 505,782, Jan. 18; Serial No. 540,671, published Oct. 12, 1948.
Watches. Mt. Vernon Watch Co., Inc. 441,845, Jan. 18; Serial No. 501,468, published Oct. 19, 1948.
Watches and clocks. Jaeger Watch Company, Inc. 505,784, Jan. 18; Serial No. 541,300, published Oct. 19, 1948.
Watches and clocks. Jaeger Watch Company, Inc. 505,785, Jan. 18; Serial No. 541,303, published Oct. 19, 1948.

Watches and parts thereof. S. A. Zodiac. 441,864, Jan. 18; Serial No. 513,546, published Oct. 5, 1948.
Watches and watch movements. Freco Watch Corporation. 505,774, Jan. 18; Serial No. 539,691, published

CLASS 32

Cabinets, Kitchen. Carr, Adams & Collier Company. 418,143, Dec. 4, 1945. Republished Jan. 18.
Desk and music stand, Combination foldable. H. & A.

Heaters, Gas, oil, and electric water. The Hotstream Heater Company. 333,901, Apr. 14, 1936. Republished Jan. 18.
Heaters, Gas water. The Hotstream Heater Company. 349,786, Sept. 7, 1937. Republished Jan. 18.

Books and albums, Scrap. Amberg File and Index Company. 405,166, Jan. 11, 1944. Republished Jan. 18.
Cases, Corrugated fibre filing. Wursburg Brothers. 312,479, May 1, 1934. Republished Jan. 18.
Erasers. The Rosenthal Company. 435,240, Dec. 16, 1947. Republished Jan. 18.

Watches and parts thereof. S. A. Zodiac. 441,864, Jan. 18; Serial No. 513,546, published Oct. 5, 1948.
Watches and watch movements. Freco Watch Corporation. 505,774, Jan. 18; Serial No. 539,691, published Oct. 12, 1948.
Watches and watch movements. Silena Watch Corporation. 505,776, Jan. 18; Serial No. 539,765, published Oct. 12, 1948.
Watches, clocks, and parts thereof, etc. Greygor Watch Co. 441,872, Jan. 18; Serial No. 517,720, published Oct. 19, 1948.
Watches, Ladies' and men's. Berman's Jewelry Stores, Inc. 506,800, Jan. 18; Serial No. 542,810, published Oct. 12, 1948.
Watches, watch movements and parts thereof, and watch-cases. Bulova Watch Company, Inc. 441,878, Jan. 18; Serial No. 523,766, published Oct. 12, 1948.
Watches, watch movements, watchcases, and parts thereof. R. Gsell & Co., Inc. 441,862, Jan. 18; Serial No. 511,150, published Oct. 12, 1948.

CLASS 28

Bracelets, Nickel plated steel. A. L. Winkler. 505,714, Jan. 18; Serial No. 528,976, published Oct. 12, 1948.
Bracelets, vanity cases, and compacts. Pitman & Keeler. 359,463, Aug. 23, 1938. Republished Jan. 18.
Flat-ware and hollow-ware, Sterling silver. The International Silver Company. 505,749, Jan. 18; Serial No. 534,785, published Aug. 31, 1948.
Flat-ware, Silver-plated. The International Silver Company. 505,734, Jan. 18; Serial No. 531,607, published Aug. 24, 1948.
Holders, Tie, and religious goods, jewelry. J. H. Hobson Co. 505,787, Jan. 18; Serial No. 541,543, published Oct. 19, 1948.
Hollow ware. W. & S. Blackinton Co. Inc. 505,780, Jan. 18; Serial No. 540,244, published Oct. 19, 1948.
Hollow-ware, Silver plated. The International Silver Company. 505,793, Jan. 18; Serial No. 542,026, published Oct. 12, 1948.
Jewelry. Dolan & Bullock Co. 505,709, Jan. 18; Serial No. 528,705, published Oct. 19, 1948.
Jewelry. General Chain Company. 262,573, Oct. 15, 1929. Republished Jan. 18.
Jewelry. General Chain Company, Inc. 505,809, Jan. 18; Serial No. 544,993, published Sept. 28, 1948.
Jewelry. Harry Morris Associates. 441,874, Jan. 18; Serial No. 518,473, published Feb. 10, 1948.
Novelties and specialties of various kinds. L. Shane. 441,830, Jan. 18; Serial No. 460,775, published Oct. 23, 1945.
Pins, keys, and medals. Sigma Tau. 255,471, renewed Apr. 23, 1949. O. G. Jan. 18.
Rings, Finger. J. Fiddelman & Son, Inc. 505,745, Jan. 18; Serial No. 534,099, published Oct. 19, 1948.
Rings, Finger. Rosenthal & Kaplan. 441,884, Jan. 18; Serial No. 525,683, published Oct. 19, 1948.
Scarfpins, watch chains, cuff links. Ovington Bros. Company. 156,826, July 11, 1922. Republished Jan. 18.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.

CLASS 29

Bath brushes, Latex. H. L. Welker. 336,169, June 30, 1936. Republished Jan 18.
Brooms. H. E. Lindstrom. 354,160, Feb. 1, 1938. Republished Jan. 18.
Brushes. Ox Fibre Brush Company. 182,922–3, Apr. 22, 1924. Republished Jan. 18.
Brushes and brooms, Street. Ox Fibre Brush Company, Inc. 422,393, July 23, 1946. Republished Jan. 18.
Brushes, Hat, etc. Dobbs & Co. 274,657, Sept. 2, 1930. New certificate. O. G. Jan. 18.
Brushes, Paint, varnish brushes, kalsomine brushes, etc. The Sherwin-Williams Company. 378,747, June 18, 1940. Republished Jan. 18.
Mops, Floor, dusters, and dust cloths. Rubon Woodfinishing and Products Company. 395,475, May 26, 1942. Republished Jan. 18.

CLASS 30

Articles made of china, semi porcelain, and pottery. Plymouth Wholesale Dry Goods Corporation. 441,869, Jan. 18; Serial No. 516,501, published Oct. 19, 1948.
Chinaware, earthenware, and porcelain. Ovington Bros. Company. 157,169, July 25, 1922. Republished Jan. 18.
Dishes, vases, flower pots, and bowls. R. Stewart. 505,886, Jan. 18; Serial No. 520,981.

CLASS 31

Oil clarifiers and equipment and parts therefor. Briggs Clarifier Company. 441,834, Jan. 18; Serial No. 487,166, published Oct. 5, 1948.
Refrigerators, Combination ice and electric, ice refrigerators, and parts thereof. C. J. Wagner. 414,219, May 29, 1945. Republished Jan. 18.
Refrigerators, Mechanically operated domestic and commercial. McCray Refrigerator Company. 505,710, Jan. 18; Serial No. 528,732, published Sept. 28, 1948.
Tanks fitted with lead lines, valves, and for the individual containers for chemical agents, etc. Gray & Co. 441,832–3, Jan. 18; Serial Nos. 480,902–3, published Sept. 7, 1948.

CLASS 32

Cabinets, Kitchen. Carr, Adams & Collier Company. 418,143, Dec. 4, 1945. Republished Jan. 18.
Desk and music stand, Combination foldable. H. & A. Selmer, Incorporated. 360,385, Sept. 13, 1938. Republished Jan. 18.
Papers, Poster, showcard, poster board, etc. The Sherwin-Williams Company. 380,308, Aug. 20, 1940. Republished Jan. 18.
Shades, Window. Clopay Corporation. 358,599, July 19, 1938. Republished Jan. 18.
Tables, chairs, stands, etc. Ovington Bros. Company. 157,732, Aug. 15, 1922. Republished Jan. 18.

CLASS 33

Articles formed of glass. Spaulding & Company. 441,842, Jan. 18; Serial No. 500,842, published Sept. 7, 1948.
Bottles and jars. Owens-Illinois Glass Company. 505,729, Jan. 18; Serial No. 531,235, published Oct. 12, 1948.
Containers made from glass, Packing. Crown Cork & Seal Company, Inc. 505,802, Jan. 18; Serial No. 543,001, published Sept. 14, 1948.
Cooking utensils and kitchen ware, Glass. Polan Industries. 505,859, Jan. 18; Serial No. 487,210.
Glass, Automobile plate and laminated. Globe Auto Glass Company. 505,843, Jan. 18; Serial No. 533,729, published Sept. 14, 1948.
Glass containers. Glass Containers, Inc. 313,303, May 22, 1934. Republished Jan. 18.
Glass cookingware. Club Aluminum Products Company. 505,755, Jan. 18; Serial No. 535,387, published Oct. 19, 1948.
Glass jars. Kerr Glass Manufacturing Corporation. 505,740, Jan. 18; Serial No. 533,173, published Sept. 7, 1948.
Glass, Laminated safety sheet and plate. Shatterproof Glass Corporation. 505,682, Jan. 18; Serial No. 516,152, published Sept. 14, 1948.
Glass sauce pans, double boilers, tea pots, etc., Top-of-stove heat resistant. Club Aluminum Products Company. 505,754, Jan. 18; Serial No. 535,384, published Oct. 19, 1948.
Glasses, Oyster cocktail, sherbet glasses, glass tumblers, etc. Bartlett-Collins Company. 505,712, Jan. 18; Serial No. 528,906, published Sept. 14, 1948.
Glassware, Table, glass bowls, glass jars, etc. Ovington Bros. Company. 159,731, Oct. 3, 1922. Republished Jan. 18.
Tumblers, stemware, jugs, and decanters, all made of glass. Waverly Glass Company. 441,888, Jan. 18; Serial No. 506,402.

CLASS 34

Boxes, Heat treating. American Manganese Steel Company. 350,469, Sept. 28, 1937. Republished Jan. 18.
Burner systems for gas stoves and ranges. Harper-Wyman Company. 505,686, Jan. 18; Serial No. 518,598, published Oct. 12, 1948.
Burners and parts thereof, Gas. Harper-Wyman Company. 505,688, Jan. 18; Serial No. 518,951, published Sept. 28, 1948.
Burners, Motor driven oil. Hall-Neal Furnace Co. 401,508, May 25, 1943. Republished Jan. 18.
Burners, Oil, for domestic and industrial heating purposes. Household Automatic Heat, Inc. 505,878, Jan. 18; Serial No. 517,308.
Burners, Oil, parts thereof and accessories thereto. Hayward Manufacturing Company, Inc. 505,775, Jan. 18; Serial No. 539,698, published Oct. 12, 1948.
Burners, Vaporized liquid hydrocarbon. The Coleman Lamp and Stove Company. 311,069, Mar. 13, 1934. Republished Jan. 18.
Burners, Vaporized liquid hydrocarbon. The Coleman Lamp and Stove Company. 311,349, Mar. 20, 1934. Republished Jan. 18.
Burners, Vaporized liquid hydrocarbon. The Coleman Lamp and Stove Company. 321,837, Feb. 19, 1935. Republished Jan. 18.
Dehumidifying units for removing moisture from air. T. H. Urdahl. 441,850, Jan. 18; Serial No. 505,718, published Dec. 16, 1947.
Dehumidifying units for removing moisture from air. T. H. Urdahl. 441,858, Jan. 18; Serial No. 509,184, published Dec. 16, 1947.
Draft controls, Automatic. The Hotstream Heater Company. 290,644, Jan. 12, 1932. Republished Jan. 18.
Fixtures for fireplace screens, curtains, and the like, Supporting. Bennett Fireplace Company. 383,302, Dec. 3, 1940. Republished Jan. 18.
Furnace units, Warm air household. Hall-Neal Furnace Co. 397,264, Aug. 25, 1942. Republished Jan. 18.
Furnace units, Warm air household, with and without air conditioning equipment. Hall-Neal Furnace Co. 401,231, May 4, 1943. Republished Jan. 18.
Furnaces, Gas fired floor, gas fired suspended unit heaters, etc. Central States Mfg. Co., Inc. 505,812, Jan. 18; Serial No. 545,234, published Oct. 5, 1948.
Gas valves for gas stove and gas range burners. Harper-Wyman Company. 505,687, Jan. 18; Serial No. 518,723, published Oct. 12, 1948.
Heaters, Gas and oil water. The Hotstream Heater Company. 219,769, Oct. 26, 1926. Republished Jan. 18.
Heaters, Gas and oil water. The Hotstream Heater Company. 249,045, Nov. 6, 1928. Republished Jan. 18.

Heaters, Gas, oil, and electric water. The Hotstream Heater Company. 333,901, Apr. 14, 1936. Republished Jan. 18.
Heaters, Gas water. The Hotstream Heater Company. 349,786, Sept. 7, 1937. Republished Jan. 18.
Lamps and lanterns, Gasoline, fuel burning. The Coleman Lamp and Stove Company. 300,983, Feb. 14, 1933. Republished Jan. 18.
Lamps, candlesticks, and candelabra, Nonelectric oil. Ovington Bros. Company. 160,611, Oct. 24, 1922. Republished Jan. 18.
Mantles, Fuel burning. The Coleman Lamp and Stove Company. 325,549, June 25, 1935. Republished Jan. 18.
Safety signals, Portable reflecting road. Rich Signs Corporation. 363,992, Jan. 17, 1939. Republished Jan. 18.
Screens, Fireplace. Bennett Fireplace Corporation. 306,788, Sept. 26, 1933. Republished Jan. 18.
Stoves and ranges, Heating and cooking. Blakesley-Tuttle Stove Co. 58,218, Dec. 11, 1906. Republished Jan. 18.
Urns and stoves, Coffee brewing. Universal Coffee Company. 505,737, Jan. 18; Serial No. 532,178, published Sept. 28, 1948.
Water-heaters and drafthoods therefor, Gas, gasolene, and vapor. L. R. Mendelson. 127,445, Nov. 11, 1919. Republished Jan. 18.

CLASS 35

Belting, Transmission. Thermoid Company. 505,792, Jan. 18; Serial No. 541,980, published Oct. 19, 1948.
Belts, Fan, radiator hose, and generator couplings. The American Brake Shoe and Foundry Company. 365,909, Mar. 21, 1939. Republished Jan. 18.
Brake lining sets. Thermoid Company. 505,819, Jan. 18; Serial No. 546,438, published Oct. 5, 1948.
Frictional elements for brakes and clutches. American Brakeblok Corporation. 348,302, July 20, 1937. Republished Jan. 18.
Frictional elements for brakes and clutches. The American Brake Shoe and Foundry Company. 365,908, Mar. 21, 1939. Republished Jan. 18.
Frictional elements for brakes and clutches, and fan belts, etc. American Brakeblok Corporation. 346,360, May 25, 1937. Republished Jan. 18.
Gaskets. The Cleveland Gasket and Manufacturing Company. 341,795, Dec. 22, 1936. Republished Jan. 18.
Gaskets and plant fibre sheet packing materials. The Cleveland Gasket and Manufacturing Company. 394,198, Mar. 24, 1942. Republished Jan. 18.
Packing materials. R. Klinger. 50,978, re-renewed Apr. 3, 1946. O. G. Jan. 18.
Packings and rod packings, Mechanical. A. W. Chesterton Company. 505,822, Jan. 18; Serial No. 546,823, published Oct. 5, 1948.
Tires and tubes, and fan belts, Automobile and bicycle. Affiliated Retailers, Inc. 505,728, Jan. 18; Serial No. 531,175, published Oct. 5, 1948.
Tires and parts thereof, Rubber. Dunlop Tire and Rubber Corporation of America. 146,728, Sept. 20, 1921. Republished Jan. 18.
Tires, Rubber, inner tubes, plasters and patches, etc. The Pharis Tire and Rubber Company. 505,679, Jan. 18; Serial No. 514,134, published Oct. 12, 1948.
Tires, Vehicle. Inland Rubber Corporation. 505,783, Jan. 18; Serial No. 531,606, published Oct. 5, 1948.
Tubes, tires, V-belts, etc. Inland Rubber Corporation. 505,731, Jan. 18; Serial No. 531,598, published Oct. 5, 1948.
Tubes, tires, V-belts, etc. Inland Rubber Corporation. 505,732, Jan. 18; Serial No. 531,601, published Oct. 5, 1948.

CLASS 36

Clarinets, saxophones, flutes, etc. H. & A. Selmer, Inc. 384,119, Jan. 7, 1941. Republished Jan. 18.
Pads, Musical instrument. H. & A. Selmer, Inc. 389,493, Aug. 5, 1941. Republished Jan. 18.
Phonograph records, Mechanically grooved. American Glossite Co., Incorporated. 505,781, Jan. 18; Serial No. 540,511, published Sept. 14, 1948.
Phonograph records, Mechanically grooved, guitars, and mandolins, etc. Harlin Bros. 505,897, Jan. 18; Serial No. 533,223.
Phonographs, Non-electrical, and mechanically grooved phonograph records. Anglophone Recordings, Inc. 441,868, Jan. 18; Serial No. 516,247, published Oct. 19, 1948.
Pianos. Kohler & Campbell, Inc. 441,856, Jan. 18; Serial No. 507,190, published Oct. 5, 1948.
Records, Grooved phonograph. Catechetical Guild. 505,753, Jan. 18; Serial No. 534,872, published Oct. 5, 1948.
Records, Mechanically grooved phonograph. L. J. Arms. 441,891, Jan. 18; Serial No. 519,161.
Records, Phonograph. B. Shea. 441,887, Jan. 18; Serial No. 484,714.
Reeds. H. & A. Selmer, Inc. 396,934, Aug. 11, 1942. Republished Jan. 18.

CLASS 37

Binders, Loose leaf. National Blank Book Company. 375,663, Feb. 27, 1940. Republished Jan. 18.
Blotting-paper. The Albemarle Paper Manufacturing Company. 77,115, Mar. 8, 1910. Republished Jan. 18.
Books and albums, Scrap. Amberg File and Index Company. 405,166, Jan. 11, 1944. Republished Jan. 18.
Cases, Corrugated fibre filing. Wursburg Brothers. 312,479, May 1, 1934. Republished Jan. 18.
Erasers. The Rosenthal Company. 435,240, Dec. 16, 1947. Republished Jan. 18.
Napkins, Paper, paper towels, and toilet paper. Graham Manufacturing Co., Inc. 357,325, May 31, 1938. Republished Jan. 18.
Paper, All kinds of blotting. The Albemarle Paper Manufacturing Company. 291,293, Feb. 9, 1932. Republished Jan. 18.
Paper, Blotting. The Albemarle Paper Manufacturing Co. 242,607, May 29, 1928. Republished Jan. 18.
Paper, Blotting. The Albemarle Paper Manufacturing Company. 298,874, Nov. 8, 1932. Republished Jan. 18.
Paper, Kraft. The Albemarle Paper Mfg. Company. 356,232, Apr. 19, 1938. Republished Jan. 18.
Paper, Kraft and manila wrapping, blotting, bond, etc. Albemarle Paper Mfg. Co. 151,064, June 24, 1922. Republished Jan. 18.
Paper, Mimeograph. Nation Wide Papers, Inc. 364,633, Feb. 7, 1939. Republished Jan. 18.
Paper, Printing, writing paper, and bond paper. Nation Wide Papers, Inc. 350,939, Oct. 12, 1937. Republished Jan. 18.
Paper, Toilet. White-Washburne Company, Inc. 155,119–21, May 16, 1922. Republished Jan. 18.
Paper, Toilet. White-Washburne Company, Inc. 156,465–67, June 20, 1922. Republished Jan. 18.
Paper, Toilet. White-Washburne Company, Inc. 156,783, July 11, 1922. Republished Jan. 18.
Paper, Toilet. White-Washburne Company, Inc. 161,003–5, Oct. 31, 1922. Republished Jan. 18.
Paper, Toilet. White-Washburne Company, Inc. 161,853–5, Nov. 21, 1922. Republished Jan. 18.
Paper, Toilet, paper towels, and paper napkins. White-Washburne Company, Inc. 305,580, Aug. 22, 1933. Republished Jan. 18.
Paper, Toilet, paper towels, and paper napkins. White-Washburne Company, Inc. 316,297, Aug. 21, 1934. Republished Jan. 18.
Paper, Tympan. The Cromwell Paper Company. 241,541, May 1, 1928. Republished Jan. 18.
Paper, Wrapping. The Albemarle Paper Manufacturing Co. 210,429, Mar. 16, 1926. Republished Jan. 18.
Paper, Writing and printing. Hurlbut Paper Company. 505,908, Jan. 18; Serial No. 543,354.
Paper, Writing, printing paper, and bond paper. Nation Wide Papers, Inc. 343,793, Mar. 9, 1937. Republished Jan. 18.
Papers, Poster, showcard, poster board, etc. The Sherwin-Williams Company. 380,308, Aug. 20. 1940. Republished Jan. 18.
Papers, Writing, printing, blotting, tissue, and wrapping. The Albemarle Paper Mfg. Co. 148,343, Nov. 16, 1921. Republished Jan. 18.
Pencils, stationery. Ovington's Gift Shop, Inc. 398,896, Dec. 1, 1942. Republished Jan. 18.
Scarfpins, watch chains, cuff links, etc. Ovington Bros. Company. 156,826, July 11, 1922. Republished Jan. 18.
Sheets, Blank perforated. F. W. Trumbull. 413,946, May 22, 1945. Republished Jan. 18.
Stationery. D. L. Dyer. 425,407, Nov. 19, 1946. Republished Jan. 18.
Wallpaper. The Sherwin-Williams Company. 408,720, Aug. 29, 1944. Republished Jan. 18.
Wall-papers. B. Buchbinder. 126,646, Sept. 30, 1919. Republished Jan. 18.

CLASS 38

Bulletins, Information, issued at irregular intervals averaging at least once a week. Coal Exporters Association of the United States, Incorporated. 505,909, Jan. 18; Serial No. 543,421.
Calendars and periodical publications. The National Life and Accident Insurance Company. 199,371, June 9, 1925. Republished Jan. 18.
Certificate, Trading. S. A. Phillips. 388,902, July 15, 1941. Republished Jan. 18.
Comic strip appearing periodically. Geo. A. Pflaum, Publisher, Inc. 505,894, Jan. 18; Serial No. 529,819.
Coupons, Premium. United Profit-Sharing Corporation. 251,177, renewed Jan. 1, 1949. O. G. Jan. 18.
Heading for newspaper articles. F. C. Russell. 249,798, renewed Nov. 20, 1948. O. G. Jan. 18.
Labels, Woven. A. L. Kahn. 73,551, re-renewed Apr. 27, 1949. O. G. Jan. 18.
Magazine. National Sportsman, Inc. 226,484, Apr. 12, 1927. Republished Jan. 18.
Magazine. Street & Smith Publications, Inc. 441,893–4, Jan. 18; Serial Nos. 521,221–2.
Magazine, Monthly. National Sportsman, Inc. 61,410, Mar. 19, 1907. Republished Jan. 18.
Magazine, Monthly. Watt Publishing Company. 441,892, Jan. 18; Serial No. 521,099.
Magazine published monthly. Modern Handcraft, Inc. 505,911, Jan. 18; Serial No. 549,825.
News feature. W. J. Miller. 371,186, Sept. 19, 1939. Republished Jan. 18.
Periodical. Bennett-Watts-Haywood Co. 242,580, renewed May 29, 1948. O. G. Jan. 18.
Periodicals. Deltox Rug Company. 254,277, renewed Mar. 19, 1949. O. G. Jan. 18.

Periodicals, Fashion. L. Rodrigues. 505,870, Jan. 18; Serial No. 505,622.
Publication, Annual. Klein's Sporting Goods, Inc. 505,861, Jan. 18; Serial No. 494,079.
Publication, Monthly. Fawcett Publications, Inc.

Shoes, Boys'. Associated Merchandising Corporation. 255,207, renewed Apr. 16, 1929. O. G. Jan. 18.
Shoes, Children's. Ettelbrick Shoe Company. 364,789, Feb. 14, 1939. Republished Jan. 18.
Shoes, Children's. Ettelbrick Shoe Company. 398,235,

Spool-cotton, sewing-cotton, and thread. The American Thread Company. 72,857, re-renewed Mar. 2, 1949. O. G. Jan. 18.
Thread coated with cellulosic material. Freydberg Bros. 417,955, Nov. 20, 1945. Republished Jan. 18.
Thread, Cotton. Societe en Commandite Maurice Frings

Candy. Stephen F. Whitman & Son, Inc. 149,290, Dec. 6, 1921. Republished Jan. 18.
Candy. Stephen F. Whitman & Son, Inc. 155,868, June 6, 1922. Republished Jan. 18.
Candy. Stephen F. Whitman & Son, Inc. 198,296, May 12, 1925. Republished Jan. 18.

Periodicals, Fashion. L. Rodrigues. 505,870, Jan. 18; Serial No. 505,622.
Publication, Annual. Klein's Sporting Goods, Inc. 505,881, Jan. 18; Serial No. 494,079.
Publication, Monthly. Fawcett Publications, Inc. 505,874, Jan. 18; Serial No. 509,699.
Publication, Monthly. Stamats Publishing Company. 505,871, Jan. 18; Serial No. 506,699.
Publication, Periodical. Sherry Publishing Company, Inc. 441,895, Jan. 18; Serial No. 522,383.
Publication, Periodical. Woodall Publishing Co. 505,882, Jan. 18; Serial No. 519,307.
Title of a monthly publication. Western Electric Company, Incorporated. 249,185, renewed Nov. 6, 1948. O. G. Jan. 18.

CLASS 39

Caps and hats; leather and fabric gloves, etc. Knox Hat Company, Inc. 130,198, Apr. 13, 1920. New certificate. O. G. Jan. 18.
Caps; hats for men, etc. Dobbs & Co. 174,832, Oct. 23, 1923. New certificate. O. G. Jan. 18.
Clothing. Burdines, Inc. 373,483, Dec. 12, 1939. Republished Jan. 18.
Clothing. T. Kotzin. 254,559, renewed Mar. 26, 1949. O. G. Jan. 18.
Clothing, Men's work; children's suits, sweaters, coats, etc. Berne Mfg. Co. 248,950, Nov. 6, 1928. Republished Jan. 18.
Coats, Ladies'. Stern-Slegman Prins Company. 373,310, Dec. 5, 1939. Republished Jan. 18.
Coats, Women's and girls'. Stern-Slegman Prins Company. 304,386, July 4, 1933. Republished Jan. 18.
Collars, dress and negligee shirts, and knitted and textile underwear. The Enro Shirt Company. 278,548, Dec. 23, 1930. Republished Jan. 18.
Dry goods, Woolen. B. Altman. 29,814, Apr. 13, 1897. New certificate. O. G. Jan. 18.
Frocks, staple and novelty smocks, and aprons, Ladies', misses', and children's wash. Frenchie Frocks, Inc. 250,305, renewed Dec. 4, 1948. O. G. Jan. 18.
Garments and wearing apparel. C. G. Gunther's Sons. 245,142–4, renewed Aug. 7, 1948. O. G. Jan. 18.
Gloves. B. Altman. 31,548, May 17, 1898. New certificate. O. G. Jan. 18.
Handkerchiefs. The International Manufacturing Co. 71,966–7, Dec. 22, 1908. Corrected. O. G. Jan. 18.
Hats and caps, etc. Dunlap & Co. 151,121, Jan. 24, 1922. New certificate. O. G. Jan. 18.
Hats for men. Knox Hat Company, Inc. 223,738, Feb. 8, 1927. New certificate. O. G. Jan. 18.
Hats for women. Goldberg Millinery Company. 324,127, May 14, 1935. Republished Jan. 18.
Hose for children. F. W. Woolworth Co. 428,197, Mar. 11, 1947. Republished Jan. 18.
Hosiery. Chipman Knitting Mills. 174,262, Oct. 9, 1923. Republished Jan. 18.
Hosiery. Chas. Chipman's Sons Co. Inc. 238,647, Feb. 14, 1928. Republished Jan. 18.
Hosiery. Fashion Hosiery Mills, Inc. 335,746, June 16, 1936. Republished Jan. 18.
Hosiery. Interstate Dry Goods Syndicate. 209,721, Mar. 2, 1926. Republished Jan. 18.
Hosiery. G. H. Leininger. 161,200, Nov. 7, 1922. Republished Jan. 18.
Hosiery. Pfeiffer Hosiery. 535,278, Dec. 16, 1947. Republished Jan. 18.
Hosiery. Wilknit Hosiery Company. 222,452, Jan. 4, 1927. Republished Jan. 18.
Hosiery and gloves, all kinds of underwear, etc. Ely & Walker Dry Goods Company. 241,129, Apr. 17, 1928. Republished Jan. 18.
Hosiery and underwear, Knit. M. and C. Mayer. 49,908–9, Feb. 20, 1906. Republished Jan. 18.
Mufflers, Knitted. Phoenix Knitting Works. 68,971, May 12, 1908. Republished Jan. 18.
Mufflers, scarfs, etc. Knox Hat Company, Inc. 123,910, Dec. 17, 1918. New certificate. O. G. Jan. 18.
Neckties. S. Sherman. 351,015, Oct. 12, 1937. Republished Jan. 18.
Neckties, bowties, and scarfs. S. Sherman. 435,320, Dec. 16, 1947. Republished Jan. 18.
Overalls, jumpers, work-pants, etc., Men's and boys'. Lee Manufacturing Company, Inc. 398,268, Oct. 20, 1942.
Pajamas, Men's. The Enro Shirt Company, Inc. 393,294, Feb. 3, 1942. Republished Jan. 18.
Pajamas, Men's. The Enro Shirt Company. 396,156, June 30, 1942. Republished Jan. 18.
Pajamas, Men's, boys' and children's broadcloth and flannel, and men's flannel nightshirts. The Star Union Overall Co., Inc. 302,201, Apr. 4, 1933. Republished Jan. 18.
Play suits, Children's. Hortex Mfg. Co. 385,497, Mar. 4, 1941. Republished Jan. 18.
Shirts, Men's and boys' work, negligee and dress, pajamas and underwear, etc. Frank I. Denison & Co., Inc. 310,064, Feb. 13, 1934. Republished Jan. 18.
Shirts, Work and negligee and dress, pajamas, underwear for men. M. H. Raab-Meyerhoff Co., Inc. 362,256, Nov. 15, 1938. Republished Jan. 18.
Shoes. William Hahn & Company. 364,044, Jan. 17, 1939. Republished Jan. 18.
Shoes. William Hahn & Co. 374,367, Jan. 9, 1940. Republished Jan. 18.
Shoes, Boys'. Associated Merchandising Corporation. 255,207, renewed Apr. 16, 1929. O. G. Jan. 18.
Shoes, Children's. Ettelbrick Shoe Company. 364,789, Feb. 14, 1939. Republished Jan. 18.
Shoes, Children's. Ettelbrick Shoe Company. 398,235, Oct. 20, 1942. Republished Jan. 18.
Shoes, Leather. William Hahn & Company. 285,153, July 14, 1931. Republished Jan. 18.
Shoes, Men's and boys'. Freeman Shoe Corporation. 296,637, Aug. 16, 1932. Republished Jan. 18.
Shoes, Women's, misses', girls' and infants'. Step Master Shoes, Incorporated. 404,239, Nov. 16, 1943. Republished Jan. 18.
Slacks, short slacks, long-short slacks, pants, etc., Women's, men's, boys', misses', and juniors'. Davenshire, Incorporated. 429,884, May 20, 1947. Republished Jan. 18.
Sweaters, Ladies' and misses'. Joseph Guttman & Bros., Inc. 369,710, Aug. 1, 1939. Republished Jan. 18.
Topcoats, overcoats, coats, etc. L. Greif & Bro., Inc. 364,774, Feb. 14, 1939. Republished Jan. 18.
Topcoats, overcoats, coats, etc. L. Greif & Bro., Inc. 367,759, May 30, 1939. Republished Jan. 18.
Underwear and hosiery, Knitted. P. Raguet Fils & J. Vignes. 174,713, renewed Oct. 23, 1943. O. G. Jan. 18.
Underwear and undergarments, Children's and infants'. Earnshaw Knitting Company. 251,047, renewed Dec. 25, 1948. O. G. Jan. 18.
Underwear for men and women, Knitted, men's trousers, jackets and sweaters, etc. Innes, Henderson & Co., Ltd. 201,334, July 21, 1925. Republished Jan. 18.
Underwear, Knit. Lax & Strauss. 82,995, Aug. 8, 1911. Republished Jan. 18.
Underwear, Knitted. Ryff & Co. 57,838, re-renewed Nov. 27, 1946. O. G. Jan. 18.
Underwear, wash-cloth, slippers, Knitted, etc. Novelty Knitting Co. 65,567, Oct. 8, 1907. Republished Jan. 18.
Uniforms, aprons, linen and cotton jackets. The Southern Mills Products Company. 276,317, Oct. 14, 1930. Republished Jan. 18.

CLASS 40

Beads and buttons, Agate. F. Bapterosses & Cie. 24,438, re-renewed Apr. 3, 1944. O. G. Jan. 18.
Holder or frame for lacework and the like. K & K Product by Czeslawa Kowalewski. 370,699, Sept. 5, 1939. Republished Jan. 18.
Ornaments; Feather hat, decorative hat pieces. Knox Hat Company, Inc. 260,848, Aug. 27, 1929. New certificate. O. G. Jan. 18.
Tableware. Franklin Silver Plate Company. 167,680, May 8, 1923. Republished Jan. 18.

CLASS 41

Canes, umbrellas, etc. Dobbs & Co. 279,378, Jan. 13, 1931. New certificate. O. G. Jan. 18.

CLASS 42

Corduroy goods in the piece. A. D. Juilliard & Co., Inc. 374,970, Jan. 30, 1940. Republished Jan. 18.
Curtains, Cotton marquisette. Bartmann & Bixer, Inc. 359,254, Aug. 9, 1938. Republished Jan. 18.
Curtains, Window. Bartmann & Bixer, Inc. 368,926, July 4, 1939. Republished Jan. 18.
Curtains, Window. Bartmann & Bixer, Inc. 376,481, Mar. 26, 1940. Republished Jan. 18.
Dry goods, Woolen. B. Altman. 29,814, Apr. 13, 1897. New certificate. O. G. Jan. 18.
Lace fabrics in the piece and lace curtains. North American Lace Company, Inc. 374,005, Dec. 26, 1939. Republished Jan. 18.
Lawn. A. L. Reid & Co. 71,175, re-renewed Nov. 10, 1948. O. G. Jan. 18.
Piece goods, Cotton. Carson Pirie Scott & Co. 239,150, Feb. 21, 1928. Republished Jan. 18.
Piece goods, Cotton. Gribbon, Lange & Steven. 90,325, Feb. 18, 1913. Republished Jan. 18.
Piece goods of rayon. Goldenbro Fabrics, Inc. 415,861, Aug. 21, 1945. Republished Jan. 18.
Piece goods of wool, worsted and cotton. Marks and Spencer Sales Corporation. 403,676, Oct. 12, 1943. Republished Jan. 18.
Piece goods, Rayon and cotton. Goldenbro Fabrics, Inc. 416,707, Sept. 25, 1945. Republished Jan. 18.
Piece goods, Worsted and woolen. A. D. Juilliard & Co., Inc. 424,138, Sept. 24, 1946. Republished Jan. 18.
Sheets, sheeting, and pillowcases. Riverside & Dan River Cotton Mills, Inc. 428,518, Mar. 25, 1947. Republished Jan. 18.
Sign cloth, muslin, stencil silk, etc. The Sherwin-Williams Company. 379,272, July 9, 1940. Republished Jan. 18.
Textile fabrics, Rayon. Julius N. Werk Fabrics, Inc. 433,040, Sept. 23, 1947. Republished Jan. 18.
Towels, Dish. Ames Harris Neville Co. 255,107, renewed Apr. 16, 1949. O. G. Jan. 18.
Underwear, wash-cloth, slippers, etc., Knitted. Novelty Knitting Co. 65,567, Oct. 8, 1907. Renewed Jan. 18.

CLASS 43

Sewing cotton, Mercerized. James Nelson Ltd. 183,858, May 6, 1924. Republished Jan. 18.

Spool-cotton, sewing-cotton, and thread. The American Thread Company. 72,857, re-renewed Mar. 2, 1949. O. G. Jan. 18.
Thread coated with cellulosic material. Freydberg Bros. 417,955, Nov. 20, 1945. Republished Jan. 18.
Thread, Cotton. Societe en Commandite Maurice Frings & Cie. 171,558, renewed Aug. 7, 1943. O. G. Jan. 18.

CLASS 44

Alloys for use in preparing, and in, dental castings. Y. Cohen. 441,885, Jan. 18; Serial No. 525,791, published Sept. 28, 1948.
Bed pads, Absorbent. M. Cunningham. 441,843, Jan. 18; Serial No. 501,166, published Oct. 12, 1948.
Cleansing and massage articles, Dental. H. L. Welker. 327,890, Sept. 10, 1935. Republished Jan. 18.
Electronic machines. Southeastern Development Corporation. 505,725, Jan. 18; Serial No. 530,443, published Oct. 12, 1948.
Electro-therapeutic appliances. P. Lyons. 441,886, Jan. 18; Serial No. 526,328, published Oct. 5, 1948.
Fluoroscopes. Bracke-Seib X-Ray Co., Inc. 505,801, Jan. 18; Serial No. 542,905, published Oct. 12, 1948.
Inhalers. Smith, Kline & French Laboratories. 505,758, Jan. 18; Serial No. 536,717, published Oct. 5, 1948.
Limb parts, Artificial. W. E. Isle Company. 505,763, Jan. 18; Serial No. 537,379, published Oct. 26, 1948.
Medical and dental radiographic and fluoroscopic machines and apparatus. X-Ray Products Corporation. 441,836, Jan. 18; Serial No. 493,901, published Oct. 5, 1948.
Swabs consisting of sanitary absorbent cotton attached to the end of a small piece of wood. P. R. Buettner. 505,883, Jan. 18; Serial No. 520,377.
Underwear, wash-cloths, slippers, etc., Knitted. Novelty Knitting Co. 65,567, Oct. 8, 1907. Republished Jan. 18.

CLASS 45

Beverages and flavors therefor, Non-alcoholic maltless. The Orange Smile Sirup Company. 225,425, Mar. 15, 1927. Republished Jan. 18.
Beverages, Nonalcoholic, cereal, maltless, etc. Try-It Bottling Co. Inc. 390,048, Sept. 2, 1941. Republished Jan. 18.
Beverages, Non-alcoholic, maltless. Franklin MacVeagh and Company. 324,025, May 7, 1935. Republished Jan. 18.
Beverages, Non-alcoholic maltless, soda fountain syrups, bottlers flavors, etc. The Julep Company. 371,153, Sept. 19, 1939. Republished Jan. 18.
Beverages, Nonalcoholic, noncereal, maltless. Northwestern Extract Co. 248,904, renewed Nov. 6, 1948. O. G. Jan. 18.
Beverages, Non-alcoholic tonic. Jersey-Creme Co. 82,444, June 27, 1911. Republished Jan. 18.
Ingredient for non-alcoholic beverages, Powdered. The Frank Tea & Spice Company. 350,133, Sept. 14, 1937. Republished Jan. 18.
Root beer. Mason & Mason, Inc. 505,901, Jan. 18; Serial No. 536,267.
Root beer extract for making maltless soft drinks. E. A. Zatarain, Jr. 505,877, Jan. 18; Serial No. 513,486.
Syrups for flavoring beverages and for soft drinks. David G. Evans Coffee Company. 350,797, Oct. 5, 1937. Republished Jan. 18.

CLASS 46

Algin or algin-carrageenin composition. Kelco Company. 434,988, Dec. 9, 1947. Republished Jan. 18.
Biscuits. Southern Biscuit Company, Incorporated. 368,304, June 17, 1941. Republished Jan. 18.
Biscuits. H. R. Spencer. 348,212, July 20, 1937. Republished Jan. 18.
Bread, rolls and cake. Capital Bakers Inc. 416,853, Oct. 2, 1945. Republished Jan. 18.
Butter, eggs, pure pork sausage, etc. Omaha Packing Company, Inc. 241,938, renewed May 8, 1948. O. G. Jan. 18.
Cakes and crackers. Southern Biscuit Works. 219,096, Oct. 12, 1926. Republished Jan. 18.
Candies. King Candy Co. 171,257, July 31, 1923. Republished Jan. 18.
Candies. S. Szilagyi. 505,864, Jan. 18; Serial No. 499,083.
Candies. E. A. Tuchschmidt. 138,141, Dec. 14, 1920. Republished Jan. 18.
Candies. Stephen F. Whitman & Son, Inc. 218,242, Sept. 21, 1926. Republished Jan. 18.
Candies and chocolates. Mason, Au & Magenheimer Conf. Mfg. Co. 128,451, Jan. 6, 1920. Republished Jan. 18.
Candies and chocolates. Stephen F. Whitman & Son. 50,865–6, Apr. 3, 1906. Republished Jan. 18.
Candies and sweetmeats. Mason, Au & Magenheimer Conf. Mfg. Co. 47,828, Nov. 21, 1905. Republished Jan. 18.
Candy. Cox Confectionery Company. 226,058, Mar. 29, 1927. Republished Jan. 18.
Candy. Pangburn Company, Inc. 394,988, May 5, 1942. Republished Jan. 18.
Candy. Pangburn Company, Inc. 407,530, June 6, 1944. Republished Jan. 18.
Candy. F. Strausser. 505,866, Jan. 18; Serial No. 501,212.
Candy, Stephen F. Whitman & Son, Inc. 149,290, Dec. 6, 1921. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 155,868, June 6, 1922. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 198,296, May 12, 1925. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 242,245, May 15, 1928. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 271,006, May 20, 1930. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 282,207, Apr. 14, 1931. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 299,897, Dec. 27, 1932. Republished Jan. 18.
Candy, Stephen F. Whitman & Son, Inc. 366,033, Mar. 28, 1939. Republished Jan. 18.
Candy confections. Stephen F. Whitman & Son, Inc. 95,868–9, Mar. 24, 1914. Republished Jan. 18.
Canned and frozen fish, canned fruits, bottled pickles, etc. Netherland American Import Corp. 505,872, Jan. 18; Serial No. 508,181.
Canned and salt fish. Union Fish Company. 261,003, Sept. 3, 1929. Republished Jan. 18.
Canned corn. Gem Canning Company. 505,902, Jan. 18; Serial No. 540,536.
Canned evaporated milk. Page Milk Co. 249,958, Nov. 27, 1928. Republished Jan. 18.
Canned fish. Bristol Bay Packing Company. 350,369, Sept. 28, 1937. Republished Jan. 18.
Canned fish. Otto L. Kuehn Co. 335,603, June 9, 1936. Republished Jan. 18.
Canned fish. Taylor & Sledd Inc. 176,447, Nov. 27, 1923. Republished Jan. 18.
Canned fish, canned vegetables, canned fruits, etc. Taylor & Sledd Inc. 176,452, Nov. 27, 1923. Republished Jan. 18.
Canned fish, salt fish, canned vegetables, and canned herring roe. Taylor & Sledd, Inc. 260,263, Aug. 20, 1929. Republished Jan. 18.
Canned foods for dogs, cats, foxes, etc. N. C. Coan. 386,302, Apr. 1, 1941. Republished Jan. 18.
Canned fruit. Bercut-Richards Packing Company. 332,707, Feb. 25, 1936. Republished Jan. 18.
Canned fruit and canned Spanish style hot sauce. Bercut-Richards Packing Company. 333,659, Mar. 31, 1936. Republished Jan. 18.
Canned fruit cocktail, etc. Santa Clara Packing Company. 350,253, Sept. 21, 1937. Corrected. O. G. Jan. 18.
Canned fruits. Apple Growers Association. 505,896, Jan. 18; Serial No. 531,754.
Canned fruits. Bercut-Richards Packing Company. 333,132, Mar. 10, 1936. Republished Jan. 18.
Canned fruits. McKeon Canning Co., Inc. 183,351, Apr. 29, 1924. Republished Jan. 18.
Canned fruits and canned vegetables. Bercut-Richards Packing Company. 388,958, July 22, 1941. Republished Jan. 18.
Canned fruits and vegetables. Taylor & Sledd, Inc. 335,798, June 16, 1936. Republished Jan. 18.
Canned fruits and vegetables. Taylor & Sledd, Inc. 336,776, July 14, 1936. Republished Jan. 18.
Canned fruits and vegetables, frozen fruits, etc. Haxton Canning Company, Inc., 402,666, Aug. 10, 1943. Republished Jan. 18.
Canned fruits, canned vegetables. Bercut-Richards Packing Company. 338,690, Sept. 15, 1936. Republished Jan. 18.
Canned fruits, canned vegetables, canned Spanish style hot sauce. Bercut Richards Packing Company. 344,419, Mar. 23, 1937. Republished Jan. 18.
Canned peas. Waukesha Canning Co. 72,123, re-renewed Jan. 5, 1949. O. G. Jan. 18.
Canned peas and corn. Keene-Belvidere Canning Company. 222,561, Jan. 4, 1927. Republished Jan. 18.
Canned salmon. Bristol Bay Packing Company. 200,975, July 14, 1925. Republished Jan. 18.
Canned salmon. Bristol Bay Packing Company. 200,982, July 14, 1925. Republished Jan. 18.
Canned salmon. K. Dehn. 406,925–6, May 9, 1944. Republished Jan. 18.
Canned salmon. Dehn & Co., Inc. 404,934–5, Dec. 28, 1943. Republished Jan. 18.
Canned tuna fish, butter, coffee, etc. The McClintock-Trunkey Co. 250,097, renewed Nov. 27, 1948. O. G. Jan. 18.
Canned vegetables. Bercut-Richards Packing Company. 332,285, Feb. 11, 1936. Republished Jan. 18.
Canned vegetables. Bercut-Richards Packing Company. 396,962, Aug. 11, 1942. Republished Jan. 18.
Canned vegetables. Fruitland Canning Association, Inc. 505,900, Jan. 18; Serial No. 535,019.
Canned vegetables. The Harris & Filler Co. 250,583, renewed Dec. 11, 1948. O. G. Jan. 18.
Canned vegetables. The Somerset Canning Corporation. 392,262, Dec. 16, 1941. Republished Jan. 18.
Canned vegetables. Taylor & Sledd, Inc. 335,585, June 9, 1936. Republished Jan. 18.
Cantaloupe, Fresh, fresh vegetables, fresh deciduous fruits, etc. Jack Bros. & McBurney Co. 331,974, Jan. 28, 1936. Republished Jan. 18.
Chili powder, chili peppers, chili peppers (whole pods), etc. Chili Products Corporation, Ltd. 441,835, Jan. 18; Serial No. 489,898, published Apr. 22, 1947.

Whiskies, Scotch. The Distillers Coy. Ld. 95,892, Mar.

Chocolate, Instantaneous, marshmallow whip, flash chocolate, etc. Stephen F. Whitman & Son, Inc. 176,126, Nov. 20, 1923. Republished Jan. 18.
Chocolates. Mason, Au & Magenheimer Confectionery Manufacturing Co. 124,257, Jan. 28, 1919. Republished Jan. 18.
Coffee. H. P. Coffee Company. 384,761, Feb. 4, 1941. Republished Jan. 18.
Coffee. Meyer Brothers Coffee and Spice Company. 49,002, Jan. 16, 1906. Republished Jan. 18.
Coffee. Trigg, Dobbs & Company. 235,521, Nov. 22, 1927. Republished Jan. 18.
Confectionery, Article of, of the form of a paste-like mass for fillings, dressings, coatings, etc. Stephen F. Whitman & Sons Co., Inc. 99,374, Aug. 25, 1914. Republished Jan. 18.
Cookies. Southern Biscuit Company, Incorporated. 424,844, Oct. 29, 1946. Republished Jan. 18.
Cookies. H. R. Spencer. 377,160, Apr. 23, 1940. Republished Jan. 18.
Dessert powders for food purposes, Flavored, food products made from barley, malt, etc. The Wander Company. 422,192, July 9, 1946. Republished Jan. 18.
Eggs. Monark Egg Corporation. 375,421, Feb. 20, 1940. Republished Jan. 18.
Feed, Chicken. Maritime Milling Co. Inc. 284,352, June 23, 1931. Republished Jan. 18.
Feeds, Stock. D. H. Grandin Milling Company. 377,622, May 7, 1940. Republished Jan. 18.
Fish, Fresh, salt, and pickled. San Juan Fishing & Packing Company. 246,971, Sept. 18, 1928. Republished Jan. 18.
Fish products. Whis Fish Products Company. 409,010, Sept. 12, 1944. Republished Jan. 18.
Fish, Salted. Frank C. Pearce Company. 351,043, Oct. 19, 1937. Republished Jan. 18.
Flavors, Concentrated fruit. E. B. Moshier. 346,974, June 15, 1937. Republished Jan. 18.
Flour, Wheat. Atkinson Milling Company. 432,224, Aug. 26, 1947. Republished Jan. 18.
Flour, Wheat. The Burrus Mill and Elevator Co. 220,193, Nov. 2, 1926. Republished Jan. 18.
Flour, Wheat. H. C. Cole Milling Company. 149,362, Dec. 13, 1921. Republished Jan. 18.
Flour, Wheat. The John C. Groub Company. 273,378, Aug. 5, 1930. Republished Jan. 18.
Flour, Wheat. W. J. Jennison Company. 45,183, Aug. 8, 1905. Republished Jan. 18.
Flour, Wheat. Morten Milling Company. 221,548, Dec. 7, 1926. Republished Jan. 18.
Flour, Wheat. Rodney Milling Company. 182,629, Apr. 15, 1924. Republished Jan. 18.
Flour, Wheat. Rodney Milling Company. 422,937, Aug. 20, 1946. Republished Jan. 18.
Flour, Wheat. The Warrensburg Mills. 124,909, Mar. 18, 1919. Republished Jan. 18.
Flour, Wheat, and self-rising flour. H. C. Cole Milling Company. 243,109, June 12, 1928. Republished Jan. 18.
Flour, Wheat, and self-rising flour. H. C. Cole Milling Company. 267,994, Mar. 4, 1930. Republished Jan. 18.
Flour, Wheat, self-rising flour, cake flour, and mill feeds. H. C. Cole Milling Company. 243,092, June 12, 1928. Republished Jan. 18.
Food for babies and children, Dry granular, etc. Desbergers-Bismol Laboratories. 411,863, Jan. 30, 1945. Republished Jan. 18.
Food product in fluid form, Ready to serve. The Wander Company. 385,641, Mar. 11, 1941. Republished Jan. 18.
Food product made from barley malt, milk, and other ingredients. The Wander Company. 385,640, Mar. 11, 1941. Republished Jan. 18.
Foods, Frozen prepared and partly prepared. Fairmont Canning Company. 505,865, Jan. 18; Serial No. 499,544.
Fruit, Fresh. Thomas B. Bishop Company. 251,332, renewed Jan. 1, 1949. O. G. Jan. 18.
Fruit, Fresh citrus. Anaheim Community Growers. 332,349, Feb. 11, 1936. Republished Jan. 18.
Fruit, Fresh citrus. Fillmore Citrus Association. 371,504, Sept. 26, 1939. Republished Jan. 18.
Fruit, Fresh citrus. Fillmore Citrus Association. 396,516, July 21, 1942. Republished Jan. 18.
Fruit, Fresh citrus. Placentia Orange Growers Association. 333,029, Mar. 10, 1936. Republished Jan. 18.
Fruit, Fresh citrus. Placentia Orange Growers Association. 333,532, Mar. 24, 1936. Republished Jan. 18.
Fruit, Fresh citrus. West Ontario Citrus Association. 359,690, Aug. 30, 1938. Republished Jan. 18.
Fruit, Fresh citrus. West Ontario Citrus Association. 364,521, Feb. 7, 1939. Republished Jan. 18.
Fruit, Fresh citrus. West Ontario Citrus Association. 368,404, June 20, 1939. Republished Jan. 18.
Fruits, Citrus. A. S. Holden. 347,630, June 29, 1937. Republished Jan. 18.
Fruits, Dried. Garcia & Maggini Company. 247,011, renewed Sept. 18, 1948. O. G. Jan. 18.
Fruits, Fresh citrus. Anaheim Community Growers, Inc. 275,590, Sept. 23, 1930. Republished Jan. 18.
Fruits, Fresh citrus. C. Bessing. 288,134, Oct. 20, 1931. Republished Jan. 18.
Fruits, Fresh citrus. Borden Fruit Co. 380,863–4, Sept. 3, 1940. Republished Jan. 18.
Fruits, Fresh citrus. Donna Citrus Association. 335,395–6, June 2, 1936. Republished Jan. 18.
Fruits, Fresh citrus. Donna Citrus Association. 335,401, June 2, 1936. Republished Jan. 18.
Fruits, Fresh citrus. Escondido Co-Operative Citrus Association. 314,708, July 3, 1934. Republished Jan. 18.
Fruits, Fresh citrus. Escondido Co-Operative Citrus Association. 319,039, Nov. 13, 1934. Republished Jan. 18.
Fruits, Fresh citrus. Fillmore Citrus Association. 292,757, Mar. 29, 1932. Republished Jan. 18.
Fruits, Fresh citrus. Fillmore Citrus Association. 294,867, June 7, 1932. Republished Jan. 18.
Fruits, Fresh citrus. La Verne Orange Association. 384,209, Jan. 7, 1941. Republished Jan. 18.
Fruits, Fresh citrus. Mission Fruit & Vegetable Co., Inc. 355,153, Mar. 8, 1938. Republished Jan. 18.
Fruits, Fresh citrus. Orangethorpe Citrus Association. 189,847–8, Sept. 30, 1924. Republished Jan. 18.
Fruits, Fresh citrus. Tapo Citrus Association. 300,051, Jan. 3, 1933. Republished Jan. 18.
Fruits, Fresh deciduous, and fresh vegetables. Palmer C. Mendelson Co. 434,662, Nov. 25, 1947. Republished Jan. 18.
Hard-candy sticks. Stephen F. Whitman & Son, Inc. 198,724, May 26, 1925. Republished Jan. 18.
Ice-cream, ices, sherbets, etc. Alta Vista Creamery Company. 67,989, Mar. 3, 1908. Republished Jan. 18.
Jellies, jams, fruit preserves, etc. J. D. Armstrong. 360,337, Sept. 13, 1938. Republished Jan. 18.
Juice, Apple, and canned sweet potatoes. Francis C. Stokes Company. 396,231, June 30, 1942. Republished Jan. 18.
Meats, Cooked. Horn & Hardart Baking Company. 505,906, Jan. 18; Serial No. 542,125.
Meats, Cured. P. D. Gwaltney, Jr. & Co., Inc. 284,213, June 16, 1931. Republished Jan. 18.
Mixture of olive oil and peanut oil used for food purposes. Lentini Oil & Products Co., Inc. 505,904, Jan. 18; Serial No. 541,003.
Mustard, Prepared. The Frank Tea & Spice Company. 392,973, Jan. 20, 1942. Republished Jan. 18.
Olive oil. G. Foti. 441,847, Jan. 18; Serial No. 502,433, published Sept. 28, 1948.
Olive oil. Muller Products Co., Inc. 505,868, Jan. 18; Serial No. 504,377.
Oranges, Fresh. Covina Orange Growers Association. 156,221, June 20, 1922. Republished Jan. 18.
Oranges in their natural state. Covina Orange Growers Association. 155,657, June 6, 1922. Republished Jan. 18.
Pepper sauce, jelly powder, cocoa, etc. The Frank Tea & Spice Company. 325,343, June 18, 1935. Republished Jan. 18.
Pop corn. American Pop Corn Company. 280,844, Mar. 3, 1931. Republished Jan. 18.
Pop corn. American Pop Corn Company. 298,361, Oct. 25, 1932. Republished Jan. 18.
Poultry, Live and dressed. Roesch and Rhodes. 430,354, June 10, 1947. Republished Jan. 18.
Preparation for flavoring ice cubes, sherbets, and desserts, Powdered. The Frank Tea & Spice Company. 350,502, Sept. 28, 1937. Republished Jan. 18.
Preparation of malted milk and a chocolate flavored dairy syrup. The Wander Company. 375,078, Feb. 6, 1940. Republished Jan. 18.
Salt. Nash, Whiton & Co. 18,066, June 24, 1890. Republished Jan. 18.
Salt. Worcester Salt Co. 308,140, Nov. 21, 1933. Republished Jan. 18.
Sirup, Table. Atlantic Syrup Refining Co. 164,927, Feb. 27, 1923. Republished Jan. 18.
Starches, Food. National Starch Products Inc. 386,241, Apr. 1, 1941. Republished Jan. 18.
Sugar and potatoes. Utah-Idaho Sugar Company. 434,999, Dec. 9, 1947. Republished Jan. 18.
Syrup, Cane and maple sugar. Roddenbery Bros. 243,220, June 12, 1928. Republished Jan. 18.
Syrup, Food. W. B. Roddenbery, Sr. 241,962, May 8, 1928. Republished Jan. 18.
Syrup, Table. W. H. Burns. 337,581, Aug. 11, 1936. Republished Jan. 18.
Tasties, Pickled pig's foot, pickled lambs' tongues, ox tongue (whole, jelly), etc. Sliz Packing Company, Inc. 250,530, Dec. 11, 1928. Corrected. O. G. Jan. 18.
Teas, mustard, coffee, etc. Meyer Bros. Coffee and Spice Co. 127,639, Nov. 18, 1919. Republished Jan. 18.
Tomato paste, tomatoes, tomato puree, etc. R. C. Williams & Company, Inc. 505,875, Jan. 18; Serial No. 511,050.
Vegetable seeds. The Jansen Company. 255,038, renewed Apr. 9, 1949. O. G. Jan. 18.
Vegetables, Fresh. M. O. Best. 379,766, July 23, 1940. Republished Jan. 18.
Vegetables, Fresh. A. V. Rianda, Jr. 441,861, Jan. 18; Serial No. 511,110, published May 18, 1948.

CLASS 47

Champagne and sparkling wines. M. A. Lambey, V. D. J. Heidelberger. 164,876, renewed Feb. 27, 1943. O. G. Jan. 18.
Champagne wine. Werle et Compagnie. 151,004, renewed Jan. 10, 1942. O. G. Jan. 18.
Wines. Companhia Geral D' Agricultura Das Vinhas Do Alto Douro. 21,716, Sept. 6, 1892. Republished Jan. 18.

CLASS 48

Beverages, Nonalcoholic malt cereal. Jackson Brewing Company. 250,347, Dec. 4, 1928. Republished Jan. 18.

CLASS 49

Brandy. Bear Creek Vineyard Association. 364,996, Feb. 21, 1939. Republished Jan. 18.
Whiskey. Berbiglia, Inc. 505,886, Jan. 18; Serial No. 521,860.
Whiskey. Bernheim Distilling Company. 406,220, Mar. 14, 1944. Republished Jan. 18.
Whiskey. The Parnell Company, Inc. 505,879, Jan. 18; Serial No. 517,322.
Whiskey. Pebbleford Distillery Company. 415,106, July 10, 1945. Republished Jan. 18.
Whiskey. John Wagner & Sons. 57,616, Nov. 13, 1906. Republished Jan. 18.
Whiskies, Scotch. The Distillers Coy. Ld. 95,892, Mar. 24, 1914. Republished Jan. 18.
Whisky. Jas. E. Pepper & Co. 47,605, Nov. 14, 1905. Republished Jan. 18.
Whisky, Scotch. Craighall Bonding Company. 312,796, May 8, 1934. Republished Jan. 18.

CLASS 50

Anti-picking device for poultry in the nature of a guard. J. C. Cridlebaugh. 441,890, Jan. 18; Serial No. 515,545.
Art bronzes and imitation bronzes, Imitation. Ovington Bros. Company. 160,612, Oct. 24, 1944. Republished Jan. 18.
Service kit containing parts and supplies for maintenance and repair of coin controlled electrically operated vending and amusement machines. Block Marble Co. 505,869, Jan. 18; Serial No. 505,180.
Tents. Fulton Bag & Cotton Mills. 241,478, renewed May 1, 1948. O. G. Jan. 18.

LIST OF DESIGN PATENTEES

Arpels, Claude, New York, N. Y. Brooch or similar article. 152,388, Jan. 18.

Astatic Corporation, The, assignee: *See*—
Federico, Joseph B.

Barnes Manufacturing Co., assignee: *See*—
Thomasen, Amy L.

Bausch & Lomb Optical Company, assignee: *See*—
Perkins, Willard T.

Bennett, Vivian R., Yucca Valley, near Whitewater, Calif. Rack for microscopic slides or similar article. 152,389, Jan. 18.

Brenner, Edward R., Hollywood, Calif. Nursery lamp. 152,390, Jan. 18.

Broeren, Frank L., Neenah, and A. S. Krueger, Green Bay, assignors to Marathon Corporation, Rothschild, Wis. Dispenser for a paper roll or the like. 152,391, Jan. 18.

Broussard, Robert F., Houston, Tex., assignor to Duncan Meter Corporation, Chicago, Ill. Parking meter casing. 152,392, Jan. 18.

Buckingham, John D., assignor to Lucien Lelong, Inc., Chicago, Ill. Decanter or similar article. 152,393, Jan. 18.

Ceverha, John J., Chicago, Ill. Stomach exerciser or similar article. 152,394, Jan. 18.

Chernow, Michael, New York, N. Y. Alphabet for forming monograms or the like. 152,395, Jan. 18.

Cohen, Emanuel: *See*—
Cohen, Gertrude S. and E.

Cohen, Gertrude S. and E., Newark, N. J. Ring. 152,396, Jan. 18.

Cull, Robert R.: *See*—
Ludwig, Sidney, and Cull.

Damond, Emile, Paris, France. Electric heating radiator. 152,397, Jan. 18.

Darrin, Howard A., Hollywood, Calif., assignor, by mesne assignments, to Kaiser-Frazer Corporation, Willow Run, Mich. Combined bumper and automobile grille. 152,398, Jan. 18.

Duncan Meter Corporation, assignee: *See*—
Broussard, Robert F.

Dwinell, Charles L., Kansas City, Mo. Counter sign. 152,399, Jan. 18.

Exner, Virgil M., assignor to The Studebaker Corporation, South Bend, Ind. Automobile. 152,400, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,401, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,402, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,403, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,404, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,405, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,406, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,407, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,408, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,409, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,410, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,411, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,412, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,413, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,414, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,415, Jan. 18.

Federico, Joseph B., New Baltimore, Mich., assignor to The Astatic Corporation, Conneaut, Ohio. Phonograph tone arm or the like. 152,416, Jan. 18.

Glass, Sheldon B., Chicago, Ill. Combined wrist watch case and band. 152,417, Jan. 18.

Grad, David, Company, assignee: *See*—
Kasoff, Daniel.

Hill, N. N., Brass Company, The, assignee: *See*—
Hill, Wyman N.

Hill, Wyman N., assignor to The N. N. Hill Brass Company, East Hampton, Conn. Bicycle bell. 152,418, Jan. 18.

Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Cuff link. 152,447, Jan. 18.

Johnson, Paul W., Toronto, Ontario, Canada. Floor polisher. 152,419, Jan. 18.

Kaiser-Frazer Corporation, assignee: *See*—
Darrin, Howard A.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,420, Jan. 18.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,421, Jan. 18.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pin. 152,422, Jan. 18.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,423, Jan. 18.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,424, Jan. 18.

Kasoff, Daniel, Brooklyn, assignor to David Grad Company, New York, N. Y. Jewelry pendant. 152,425, Jan. 18.

Kelly, Jack D., New York, N. Y. Play horse or similar article. 152,426, Jan. 18.

Kendis, Michael B., Kansas City, Mo. Pupillary millimeter measure. 152,427, Jan. 18.

Krueger, Archie S.: *See*—
Broeren, Frank L., and Krueger.

Lazar, Joseph H., Chicago, Ill. Combined storage and self-serving cabinet. 152,428, Jan. 18.

Lelong, Lucien, Inc., assignee: *See*—
Buckingham, John D.

Ludwig, Sidney, Cleveland Heights, and R. R. Cull, Brecksville, Ohio. Combined antenna and support therefor. 152,429, Jan. 18.

Marathon Corporation, assignee: *See*—
Broeren, Frank L., and Krueger.

Mennesson, Marcel, assignor to Societe d'Appareil de Controle & d'Equipment des Moteurs (S. A. C. E. M.) S. A., Neuilly-sur-Seine, France. Bicycle. 152,430, Jan. 18.

Murray-Ohio Manufacturing Company, The, assignee: *See*—
Schreckengost, Viktor.

Norcross, Inc., assignee: *See*—
Walker, John R.

Payne, Jacob, New York, N. Y. Bottle. 152,431, Jan. 18.

Perkins, Willard T., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Binocular or the like. 152,432, Jan. 18.

Pierce, George M., Los Angeles, Calif. Electric advertising sign for vehicles. 152,433, Jan. 18.

Pizzano, Charles W.: *See*—
Pizzano, Madge H. and C. W.

Pizzano, Madge H. and C. W., Marblehead, Mass. Combined necklace and ear rings or similar article. 152,434, Jan. 18.

Reimers, Theodor M., assignor to Standard Cap and Seal Corporation, Chicago, Ill. Vacuum packaging machine. 152,435, Jan. 18.

Revere Electric Manufacturing Co., assignee: *See*—
Winters, Alva B.

Schreck, Emanuel, Forest Hills, N. Y. Drapeable umbrella. 152,436, Jan. 18.

Schreckengost, Viktor, Cleveland Heights, assignor to The Murray-Ohio Manufacturing Company, Cleveland, Ohio. Headlight cluster for bicycle. 152,437, Jan. 18.

Skrastin, Fred J., Jr., Butte, Mont. Spoon or article of similar nature. 152,438, Jan. 18.

Societe d'Appareil de Controle & d'Equipment des Moteurs (S. A. C. E. M.) S. A., assignee: *See*—
Mennesson, Marcel.

Standard Cap and Seal Corporation, assignee: *See*—
Reimers, Theodor M.

Stier, Joseph B., New York, N. Y. Ash tray. 152,439, Jan. 18.

Stier, Joseph B., New York, N. Y. Ash tray. 152,440, Jan. 18.

Studebaker Corporation, The, assignee: *See*—
Exner, Virgil M.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Thomassen, Amy L., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Tub filler with transfer unit for diverting water to shower. 152,441, Jan. 18.

Thomassen, Amy L., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Center set lavatory faucet with pop-up drain control. 152,442, Jan. 18.

Walker, John R., Flushing, assignor to Norcross, Inc., New York, N. Y. Font of type. 152,443, Jan. 18.

Ward, Clyde A., San Francisco, Calif. Boat. 152,444, Jan. 18.

Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard. 152,445, Jan. 18.

Winters, Alva B., Golf, assignor to Revere Electric Manufacturing Co., Chicago, Ill. Street lighting standard 152,446, Jan. 18.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 18TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Ralph D., Inglewood, assignor of one-half to T. A. Feeney, Los Angeles, Calif. Tiltable bin. 2,459,301, Jan. 18.
Adel Precision Products Corp., assignee: *See*—
Kremiller, Arthur E.
Aerial Products, Inc., assignee: *See*—
Dwyer, Martin, and Edwards.
Aetna Ball & Roller Bearing Company, assignee: *See*—
Rosner, Joseph J.
Agriculture, the United States of America as represented by the Secretary of, assignee: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
Guthrie, John D.
Haines, Paul G., Elsner, and Woodward.
Johnson, Gestur, and Boggs.
Lundgren, Harold P.
Tint, Howard, and Murray.
Ahrens, George L., Scotch Plains, N. J., assignor to Standard Oil Development Company. Segregation of C_8 hydrocarbons by extractive and azeotropic distillation. 2,459,403, Jan. 18.
Air Reduction Company, Incorporated, assignee: *See*—
Tyrner, Joseph M.
Aktiebolaget Kamyr, assignee: *See*—
Richter, Johan C. F. C.
Aktiebolaget Separator, assignee: *See*—
Bjornstjerna, Curt R. A. M.
Aktiebolaget Separator-Nobel, assignee: *See*—
Engel, Bruno K., and Palmqvist.
Albert, Harry E., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Purification of phenol sulfides and preparation of metallic salts thereof. 2,459,754, Jan. 18.
Alderfer, Sterling W.: *See*—
Trainer, James E., and Alderfer.
Alderton, Gordon: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.
All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.
Allen, Raymond W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Airplane landing gear. 2,459,737, Jan. 18.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Smith.
Allied Mills, Inc., assignee: *See*—
Singer, Philip A., and Deobald.
Alliger, Glen, Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. N-monochlorocyclohexylamine. 2,459,759, Jan. 18.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Johnston, Gorman J.
American Cyanamid Company, assignee: *See*—
Cullian, John F., and Lytle.
Davis, Harold S.
Denton, John J., and Howard.
Erickson, John G.
Hechenbleikner, Ingenuin.
Jefts, Albert W., and Schmidlein.
MacKay, Johnstone S., and Paden.
Sperry, Russell L.
Thurston, Jack T.
American Enka Corporation, assignee: *See*—
Van de Mei, Anne.
American Steel Foundries, assignee: *See*—
Kinne, Edmund P.
Schlegel, Walter L., Jr.
American Steel and Wire Company, The, of New Jersey: *See*—
Harris, Arch W., and Ward.
American Viscose Corporation, assignee: *See*—
Aronson, David.
Sisson, Wayne A.
Thompson, Donald C.
Amundson, Roald H.: *See*—
Earle, Ralph H., and Amundson.
Anderson, Arthur L., and R. C. Burns, assignors to The Soundscriber Corporation, New Haven, Conn. Inverter motor. 2,459,611, Jan. 18.
Anderson, James A., Jr., Goose Creek, Tex., assignor to Standard Oil Development Company. Method and apparatus for controlling multicomponent separation process in accordance with light absorption characteristics. 2,459,404, Jan. 18.
Anderson, Olof V., Cowesett, R. I. Key ring. 2,459,405, Jan. 18.
Anderson, Richard T., Stacy, Minn. Door latch. 2,459,354, Jan. 18.
Anderson, Warren D., Glenbrook, assignor to Norma-Hoffmann Bearings Corporation, Stamford, Conn. Oscillating raceway grinder and grinding raceways. 2,459,406, Jan. 18.
Andrews-Alderfer Processing Co. Inc., The, assignee: *See*—
Trainer, James E., and Alderfer.
Arden Farms Co., assignee: *See*—
Berch, Samuel H.
Arsaux, Max W., Paw Paw, Mich. Oarlock extension. 2,459,355, Jan. 18.
Arne, Christian, Chicago, Ill. Lock gate system. 2,459,140, Jan. 18.
Aronson, David, Pine Bluff, Ark., assignor to American Viscose Corporation, Wilmington, Del. Concentration of salts having minimum solubilities at temperatures above those of the initial solutions. 2,459,302, Jan. 18.
Ashcraft, Ernest G., Chicago, Ill. Variable differential transformer. 2,459,210, Jan. 18.
Askania Regulator Company, assignee: *See*—
McCracken, James D.
Attane, Edward C., Jr.: *See*—
Doumani, Thomas F., Coe, and Attane.
Aubert, Fred B., Detroit, Mich. Electric controlling system. 2,459,356, Jan. 18.
Austenal Laboratories, Incorporated, assignee: *See*—
Zahn, Eric H.
Automatic Device Corporation, assignee: *See*—
Johnson, Arthur A.
Axtell, Harold J., Rochester, N. Y. Universal coupler for supporting cameras on tripods. 2,459,676, Jan. 18.
Bailey Meter Company, assignee: *See*—
Dickey, Paul S., and Shannon.
Baker, Benjamin P., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,459,612, Jan. 18.
Baker, Gerald T., Neligh, Nebr. Valve mechanism for a hydraulic power unit. 2,459,613, Jan. 18.
Baker, Thomas A., Logansport, Ind. Fluid metering system. 2,459,303, Jan. 18.
Ballard, Seaver A., Orinda, and B. P. Geyer, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of acrylic acid. 2,459,677, Jan. 18.
Balleisen, Charles E., Arlington, Va. Acceleration of beech bolts in machine guns. 2,459,141, Jan. 18.
Balley, Ronald A.: *See*—
Bickle, Harry M., and Balley.
Bancel, Paul A., Montclair, J. D. Ditson, Phillipsburg, and A. D. Karr, Newark, N. J., assignors to Ingersoll-Rand Company, New York, N. Y. Rock drill. 2,459,484, Jan. 18.
Barker, William M.: *See*—
Brixner, Frederick W., and Barker.
Barnum, Emmett R., and G. L. Perry, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Lubricating composition. 2,459,718, Jan. 18.
Bartlett, Forrest A., Gardena, Calif., assignor to Press Wireless, Inc., Chicago, Ill. Multiplex radio system. 2,459,485, Jan. 18.
Bates Manufacturing Company, The, assignee: *See*—
Franz, Frederick.
Bates, Mortimer F., Brooklyn, N. Y., assignor to The Sperry Corporation. Electrical test apparatus. 2,459,142, Jan. 18.
Batten, Percy H., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lysholm, Alf.
Battley, Edwin R., and G. E. McCoy, Montreal, Quebec, Canada. Refrigerant container for refrigerator cars. 2,459,211, Jan. 18.
Bax, Hendrikus G. A., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Power supply system. 2,459,486,
Beal, Keith F., Berwyn, and C. J. B. Thor, Western Springs, assignors to The Visking Corporation, Chicago, Ill. Polyvinyl acetal resins. 2,459,488, Jan. 18.
Beanland, Charles P., Chelmsford, England, assignor to Radio Corporation of America. Diversity radio receiving system. 2,459,259, Jan. 18.
Beaver, Charles J., Bowdon, and E. L. Davey, Timperley, assignors to W. T. Glover & Company Limited, Manchester, England. Jointing of conductors of electric cables. 2,459,212, Jan. 18.
Beaver, Daniel C., Mason City, Iowa. Roofer's knife. 2,459,407, Jan. 18.
Bebb, Robert L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Making and compounding synthetic rubber. 2,459,740, Jan. 18.
Beerbower, Alan: *See*—
Zimmer, John C., and Beerbower.

Beggs, James E., Scotia, N. Y., assignor to General Electric Company. Electric discharge device. 2,459,487, Jan. 18.
Beirise, John C., Dayton, Ohio. Emergency control lock. 2,459,143, Jan. 18.
Bell, Richard A., Penn Wynne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Bomb fin structure. 2,459,357, Jan. 18.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Burton, Everett T.
Bellamy, Robert A., Oklahoma City, Okla. Cloth clip. 2,459,213, Jan. 18.
Bendix Aviation Corporation, assignee: *See*—
Bradford, William O., and Zapor.
Berch, Samuel H., Beverly Hills, assignor to Arden Farms Co., Los Angeles, Calif. Carton opener. 2,459,678, Jan. 18.
Beyer, Carlton M., and E. M. Bolze, San Diego, Calif., assignors to the United States of America, as represented by the Secretary of the Navy. Sound ranging training apparatus. 2,459,679, Jan. 18.
Bickle, Harry M., Middlesex, and R. A. Balley, London, assignors, by mesne assignments, to H. M. Bickle, Heaton, Middlesex, England. Spark plug. 2,459,214, Jan. 18.
Bicknell, John A., Westbrook, Maine, assignor to S. D. Warren Company, Boston, Mass. Prolonging the useful life of aqueous aluminum-casein coating composition. 2,459,408, Jan. 18.
Birkhead, Boswell M., Ola, Ark. Lumber stacking machine. 2,459,358, Jan. 18.
Birtman Electric Company, assignee: *See*—
Spraklin, Charles H.
Björnstjerna, Curt R. A. M., assignor to Aktiebolaget Separator, Stockholm, Sweden. Purifying used oils. 2,459,409, Jan. 18.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body side wall construction. 2,459,765, Jan. 18.
Black, James J., assignor to The Trailmobile Company, Cincinnati, Ohio. Trailer body construction. 2,459,766, Jan. 18.
Blake, Marion E., and R. A. Gartman, Fairhope, Ala. Olican with drip catcher having a weight operated return valve. 2,459,215, Jan. 18.
Blank, Frederick, New York, N. Y. Medical vial stopper for insuring sterile needle punctures. 2,459,304, Jan. 18.
Blaw-Knox Company, assignee: *See*—
Smith, Allen S.
Blitz, Daniel: *See*—
Shankweiler, Ray G., and Blitz.
Bloom, Samuel, Brooklyn, N. Y. Shoulder pad. 2,459,489, Jan. 18.
Boestad, Gustav K. W., Lidingo, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Multiple separator centrifuge. 2,459,145, Jan. 18.
Boggs, Mildred M.: *See*—
Johnson, Gestur, and Boggs.
Bolze, Ernest M.: *See*—
Beyer, Carlton M., and Bolze.
Bommer, Max: *See*—
Hauser, Herman, and Bommer.
Bond, Donald S., Philadelphia, Pa., assignor to Radio Corporation of America. Instrument landing system. 2,459,482, Jan. 18.
Booth, Eustace R., Staines, assignor of one-half to S. Marks, Feltham, England. Drafting machine. 2,459,216, Jan. 18.
Booth, Harry T., Glencoe, Ill., assignor to United Aircraft Products, Inc., Dayton, Ohio. Thermostatic shutter controller. 2,459,490, Jan. 18.
Borg-Warner Corporation, assignee: *See*—
Carnagua, Harold L., and Swift.
Neumann, George R., and Farrell.
Bosomworth, George P.: *See*—
Prettyman, Irven B., Bosomworth, and Milner.
Bosomworth, George P., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Dial gauge. 2,459,749, Jan. 18.
Bowman, Robert S.: *See*—
Slagle, Kenneth H., and Bowman.
Bowman, Robert S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Purification of gammapicoline. 2,459,146, Jan. 18.
Bowman, Robert S., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Purification of betapicoline. 2,459,359, Jan. 18.
Bowman-Manifold, Michael: *See*—
Cork, Edward C., and Bowman-Manifold.
Boyd, George T. and H. T., Albert Lea, assignors of one-fourth to G. A. Thompson, Minneapolis, and one-fourth to R. I. Davies, Albert Lea, Minn. Wire bound box closing tool. 2,459,491, Jan. 18.
Boyd, Henry T.: *See*—
Boyd, George T. and H. T.
Bradbury, Tennyson F., Darley Abbey, assignor to Rolls-Royce Limited, Derby, England. Aluminium copper alloy. 2,459,492, Jan. 18.
Bradford, William O., and E. G. Zapor, Baltimore, Md., assignors to Bendix Aviation Corporation, South Bend, Ind. Tuning means comprising variable condenser and adjustable inductor of the mechanically deformable type. 2,459,493, Jan. 18.
Bradley, Harry P., Cuyahoga Falls, and J. L. Dum, assignors to The Firestone Tire & Rubber Co., Akron, Ohio. Metal bonded by means of chlorinated rubber adhesives containing a polyalkylene polyamine. 2,459,742, Jan. 18.
Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Electrical system. 2,459,732, Jan. 18.
Braga, Armand: *See*—
Reiner, Kenneth, and Braga.
Brandl, Willi, Zurich, Switzerland. Apparatus for making infusions. 2,459,305, Jan. 18.
Brandon, Richard C., Elisabeth, N. J., assignor to Standard Oil Development Company. Azeotropic distillation of 2,3-dimethylbutadiene from methyl pentadiene. 2,459,410, Jan. 18.
Brassel, Jakob: *See*—
Straub, Fritz.
Briggs & Stratton Corporation, assignee: *See*—
Jacobi, Edward N.
Brixner, Frederick W., Gates, and W. M. Barker, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Line circuit communication system. 2,459,494, Jan. 18.
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Picker stick guide for looms. 2,459,411, Jan. 18.
Brown, Cicero C., Houston, Tex. Knuckle joint. 2,459,614, Jan. 18.
Brown, George H., Princeton, N. J., assignor to Radio Corporation of America. High-frequency electrical bonding apparatus for bonding wide layers of dielectric materials. 2,459,260, Jan. 18.
Brown, John P., Croydon, England. Gyroscopic control apparatus. 2,459,495, Jan. 18.
Brown, Roy W., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Steering mechanism for wheeled land vehicles. 2,459,753, Jan. 18.
Browne, Donald B., Harpenden, England, assignor to General Motors Corporation, Detroit, Mich. Fuel lever indicator system. 2,459,261, Jan. 18.
Bruce, William F., Penfield, assignor to Wyeth Incorporated, Philadelphia, Pa. Lactone derivatives of 2-pyridone compounds. 2,459,360, Jan. 18.
Bryant Chucking Grinder Company, assignee: *See*—
Ljunggren, Thor H.
Bryant Electric Company, The, assignee: *See*—
Hodgkins, Charles H.
Buchanan, Lloyd W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dual-voltage single-phase motor. 2,459,615, Jan. 18.
Buffington, Alan P., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Oscillation generator and frequency multiplier. 2,459,262, Jan. 18.
Buhl, Walter T.: *See*—
Cahill, Lysle D., Buhl, and Horowitz.
Builders Iron Foundry, assignee: *See*—
Cary, Francis H.
Burckhalter, Joseph H.: *See*—
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.
Burgess, Wilfrid M., Cohoes, N. Y. Disintegrating cartridge belt. 2,459,147, Jan. 18.
Burgwin, Stephen L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control apparatus for induction heating systems. 2,459,616, Jan. 18.
Burkhardt Company, The, assignee: *See*—
Russell, Alfred R.
Burns, Richard C.: *See*—
Anderson, Arthur L., and Burns.
Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Contact protection for mercury wetted switch contacts. 2,459,306, Jan. 18.
Buxton, Incorporated, assignee: *See*—
Corey, Donald W.
Byers, A. M., Company, assignee: *See*—
White, Frederick W., and Story.
CCA Products Engineering Company, assignee: *See*—
Walters, Wyeth C.
Cahill, Lysle D., South Euclid, and W. T. Buhl and A. S. Horwitz, Shaker Heights, assignors, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Instrument caging mechanism. 2,459,496, Jan. 18.
Calabro, Helen D., Lexington, Mass. Bedclothes holder. 2,459,497, Jan. 18.
Calfee, John D., Manhasset, N. Y., and L. B. Smith, Woodbridge, N. J., assignors to Allied Chemical & Dye Corporation. Manufacture of chlorofluoro methanes. 2,459,767, Jan. 18.
California Institute Research Foundation, assignee: *See*—
Gould, Clark W., Jr.
California Packing Corporation, assignee: *See*—
Cerruti, Richard C.
Dunn, Guy A.
Callanan, Neil D., Buffalo, N. Y. Bank check. 2,459,263, Jan. 18.
Caloric Stove Corporation, assignee: *See*—
Klein, Gustav.
Cameron, Robert T., Knoxville, Tenn. Coffee maker. 2,459,498, Jan. 18.
Campbell, John G.: *See*—
Fash, Ralph H., and Campbell.

Canham, George E., West Orange, N. J., assignor to Schick Incorporated, Stamford, Conn. Self-starting impulse type electric motor. 2,459,412, Jan. 18.
Canovsky, David, New Orleans, La. Wrist band. 2,459,413, Jan. 18.
Cantrall, Forrest L., Benicia, and J. A. Carlisle, San Rafael, assignors to Shasta Volcolite Company, Benicia, Calif. Mold filling and ejecting apparatus. 2,459,680, Jan. 18.
Caplan, Michael: *See*—
Dahlstrom, Eric T. J., and Caplan.
Carden, Albert, Bell, Calif. Draw clamp. 2,459,681, Jan. 18.
Carlisle, John A.: *See*—
Cantrall, Forrest L., and Carlisle.
Carnagua, Harold E., and C. L. Swift, Muncie, Ind., assignors to Borg-Warner Corporation, Chicago, Ill. Torque responsive clutch. 2,459,361, Jan. 18.
Carnegie-Illinois Steel Corporation, assignee: *See*—
Harris, Arch W., and Ward.
Carr, Edward L.: *See*—
Smith, George E. J., Jr., and Carr.
Carrie, William D., Lisle, assignor to Crane Co., Chicago, Ill. Rotary plug valve. 2,459,682, Jan. 18.
Carrier, Egbert W., Cranford, N. J., assignor to Standard Oil Development Company. Production of soda ash. 2,459,414, Jan. 18.
Carter, Ben, Bolton, England. Bobbin tensioning mechanism. 2,459,617, Jan. 18.
Cartier, Harold E., White Bear, Minn., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Heat-treating means utilizing controlled carbonaceous gaseous atmospheres. 2,459,618, Jan. 18.
Cary, Francis H., Warwick, assignor to Builders Iron Foundry, Providence, R. I. Photographic printing apparatus having a rotary light-transmitting cylinder and an endless belt bearing against the cylinder. 2,459,362, Jan. 18.
Cashman, Aloysius F.: *See*—
Lieber, Eugene, and Cashman.
Casingena, Joseph: *See*—
Solana, Carlos G., and Casingena.
Castel, Jacques H., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Casing joint locater. 2,459,499, Jan. 18.
Celanese Corporation of America, assignee: *See*—
Esmond, William G.
Schneider, George, and Steinberger.
Cerruti, Richard C., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Transfer mechanism. 2,459,264, Jan. 18.
Chamberlain, Dorothy: *See*—
Chamberlain, Jerry C.
Chamberlain, H. S., assignee: *See*—
Chamberlain, Jerry C.
Chamberlain, Jerry C., assignor of one-fourth to H. S. Chamberlain and one-fourth to D. Chamberlain, Phoenix, Ariz. Automatic transmission. 2,459,363, Jan. 18.
Chapo, John, Long Island City, N. Y. Musical instrument. 2,459,500, Jan. 18.
Charles, Robert F., South Acton, and F. W. Durgin, Natick, assignors to Dennison Manufacturing Company, Framingham, Mass. Creped paper and making. 2,459,364, Jan. 18.
Chatterton, Neil, assignor to The Neil Chatterton Associates, Oswego, N. Y. Combination curtain, drapery, and shade fixture. 2,459,619, Jan. 18.
Chatterton, Neil, Associates, The, assignee: *See*—
Chatterton, Neil.
Cheney, Charles W., Soho, Birmingham, England. Key locked fastenings for attaché cases and the like. 2,459,683, Jan. 18.
Chicago Bridge & Iron Company, assignee: *See*—
Moyer, Frederick D.
Chris-Craft Corporation, assignee: *See*—
Smith, Jay W.
Christensen, Niels A., South Euclid, Ohio. Fluid control apparatus. 2,459,148, Jan. 18.
Christie, Charles F., assignor to Eli Lilly and Company, Indianapolis, Ind. Manufacture of malonic ester. 2,459,144, Jan. 18.
Churchill, Wilmer H., Saugus, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Cable and the like supporting structures. 2,459,307, Jan. 18.
Ciba Limited, assignee: *See*—
Straub, Fritz.
Ciba Limited, Swiss firm of, The, assignee: *See*—
Hauser, Hermann, and Bommer.
Cibulka, Alois, Highlands, Tex. Roof and wall structure. 2,459,415, Jan. 18.
Cleeland, Roy, Meadowbrook, L. J. Kelley, Upper Darby, and W. S. Davis, Roxborough, Pa. Manufacturing textile materials. 2,459,620, Jan. 18.
Clement, Sylvester F.: *See*—
Hewitt, Alfred G., and Clement.
Cleveland Graphite Bronze Company, The, assignee: *See*—
Luetkemeyer, Henry W., and Schaefer.
Coates, Geoffrey E., Swansea, Wales, assignor, by mesne assignments, to The Permanente Metals Corporation. Electrolytic protective surface treatment of magnesium base alloys. 2,459,365, Jan. 18.
Cobb, Charles L., Los Angeles, Calif. Hoisting attachment for ladders. 2,459,621, Jan. 18.
Coe, Clarence S.: *See*—
Doumani, Thomas F., Coe, and Attane.
Coffin, Owen T., and D. J. Raden, Los Angeles, Calif., assignors to Swift & Company, Chicago, Ill. Nicotine and beta-beta-dichlorethyl ether insecticide. 2,459,138, Jan. 18.
Cohoe, Wallace P., Riverdale-on-Hudson, and M. Wilson, assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Method of and apparatus for drying sheet materials by high-frequency electric fields. 2,459,622, Jan. 18.
Cohoe, Wallace P., and M. R. Saslaw, assignors to Fred'k H. Levey Co., Inc., New York, N. Y. Method and apparatus for drying sheet materials. 2,459,623, Jan. 18.
Cole, Frank E., Manchester, W. V. Goodhue, Ipswich, and R. Heeley, Beverly, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Fuse setting and ramming mechanism. 2,459,308, Jan. 18.
Cole, Harold E., assignee: *See*—
Tebbetts, Eugene L.
Colgate-Palmolive-Peet Company, assignee: *See*—
Gebhart, Arthur I.
Collins Radio Company, assignee: *See*—
Wulfsberg, Paul G.
Collins, Thomas K., Jr., Fort Benton, Mont., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuit. 2,459,624, Jan. 18.
Colonial Broach Company, assignee: *See*—
Halborg, Carl J.
Columbia Broadcasting System, Inc., assignee: *See*—
Schlesinger, Kurt.
Columbus McKinnon Chain Corporation, assignee: *See*—
McKinnon, Archibald L.
Consolidated Car-Heating Company, Inc., assignee: *See*—
Griffin, Percy M.
Control Instrument Company, Inc., assignee: *See*—
Payne, Herbert.
Von Glahn, William.
Coon, John M., Verona, and J. B. Rust, West Orange, N. J. Polymeric mono-isoolefinic materials and making same. 2,459,501, Jan. 18.
Coover, Harry W., J. B. Dickey, and E. B. Towne, assignors to Eastman Kodak Company, Rochester, N. Y. Anthraquinone compounds. 2,459,149, Jan. 18.
Cope, Arthur C., Englewood, N. J., assignor to Sharp & Dohme, Incorporated, Philadelphia, Pa. Alkamine esters of para amino benzoic acid. 2,459,217, Jan. 18.
Copp, Warren F., St. Clairsville, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Welding together metal strip ends. 2,459,625, Jan. 18.
Corey, Donald W., assignor to Buxton, Incorporated, Springfield, Mass. Flexible pocket receptacle. 2,459,218, Jan. 18.
Cork, Edward C., and M. B.-M. Ealing, London, assignors to Electric & Musical Industries Limited, Hayes, England. Apparatus for the radiation or reception of electromagnetic waves. 2,459,768, Jan. 18.
Corning Glass Works, assignee: *See*—
McGregor, Rob R., and Warrick.
Cotchett, Louis M., Hingham, assignor to Foster Machine Company, Westfield, Mass. Bobbin sorting apparatus. 2,459,309, Jan. 18.
Coutant, André C., and J. Mathot, Paris, France. Tripod head with a removable camera support. 2,459,626, Jan. 18.
Cox, Drexel M., Tuleta, Tex. Tubing rack. 2,459,627, Jan. 18.
Craig, Burnie J., Los Angeles, Calif. Door device. 2,459,502, Jan. 18.
Crane, Carl J., and G. V. Holloman, Dayton, C. W. Muller, Osborn, and R. K. Stout, Dayton, Ohio. Interception trainer. 2,459,150, Jan. 18.
Crane Co., assignee: *See*—
Carrie, William D.
Crosby, Elmer K., Worcester, Mass. Magnetic impulse motor. 2,459,265, Jan. 18.
Crouse, George B., Wading River, assignor, by mesne assignments, to Photo-Positive Corporation, New York, N. Y. Article for reproducing drawings on blanks. 2,459,266, Jan. 18.
Crouse-Hinds Company, assignee: *See*—
Jeffers, Walter M.
Crow, Ira R., Los Angeles, Calif. Shoe polishing bracket and tree. 2,459,310, Jan. 18.
Croxall, Willard J., Bryn Athyn, and H. T. Neher, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Ester lactones. 2,459,684, Jan. 18.
Cullinan, John F., and L. D. Lytle, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Acid treatment of pyranthrone vat dyestuffs. 2,459,366, Jan. 18.
Cummins, Arthur B., Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacture of structural shapes. 2,459,685, Jan. 18.
Curtis, Lorin W., Verona, assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Sealed lighting unit and electric incandescent lamp therefor. 2,459,151, Jan. 11.
Cutler-Hammer, Inc., assignee: *See*—
Hunter, Richard B., and Pell.
Reeves, James B.
Dahlstrom, Eric T. J., and M. Caplan, assignors to Henry Hildebrandt, Chicago, Ill. Bracket. 2,459,503, Jan. 18.
Davey, Edward L.: *See*—
Beaver, Charles J., and Davey.

Davies, Robert I., assignee: *See*—
Boyd, George T. and H. T.
Davis, Adolph H., Norwood, assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Adapter for boring bars. 2,459,416, Jan. 18.
Davis, Harold G.: *See*—
Shumaker, Lawrence E., and Davis.
Davis, Harold S., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Acetoxy-aliphatic amides. 2,459,686, Jan. 18.
Davis, Walter S.: *See*—
Cleeland, Roy, Kelley, and Davis.
Decker, Josef B., Elkton, Md., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Aerial signal. 2,459,687, Jan. 18.
Deere & Company, assignee: *See*—
Hanson, Fredrick C.
De Ghetto, Anselem, Clifton, N. J., assignor to National Rubber Machinery Company, Akron, Ohio. Wire spreader and tensioner for circular looms and the like. 2,459,504, Jan. 18.
Deisinger, Delbert A., Long Branch, and R. A. Kirkman, Elberon, N. J. Electronic valve. 2,459,152, Jan. 18.
De Jarlais, Gordon M., Evansville, Ind., assignor to Seeger Refrigerator Company. Motor cooling system. 2,459,311, Jan. 18.
Delaware Engineering Corporation, assignee: *See*—
Simpson, George L.
Delph, Huram C., London, Ky. Jack hoist. 2,459,505, Jan. 18.
Dempster Brothers, Incorporated, assignee: *See*—
Dempster, George R., and Jones.
Dempster, George R., and H. W. Jones, assignors to Dempster Brothers, Incorporated, Knoxville, Tenn. Elevating mechanism for fifth wheels. 2,459,506, Jan. 18.
Denham, Robert H., Scotia, N. Y., assignor to General Electric Company. Induction heating continuously moving wire. 2,459,507, Jan. 18.
Dennison Manufacturing Company, assignee: *See*—
Charles, Robert F., and Durgin.
Denton, John J., Somerville, and K. L. Howard, Westfield, N. J., assignors to American Cyanamid Company, New York, N. Y. 1,4-di- (heterocyclic substituted) piperazines. 2,459,667, Jan. 18.
Deobald, Harold J.: *See*—
Singer, Philip A., and Deobald.
Descombes, Julien A., assignor to Societe d'Etudes et de Realisation des Brevets Descombes, Paris, France. Cinematograph projection and sound-reproducing apparatus. 2,459,628, Jan. 18.
De Vyver, Cornelius A., Chappaqua, assignor to Johns-Manville Corporation, New York, N. Y. Insulating tubular covering and making the same. 2,459,688, Jan. 18.
Dickey, Joseph B.: *See*—
Coover, Harry W., Dickey, and Towne.
Dickey, Paul S., East Cleveland, and J. F. Shannon, Euclid, Ohio, assignors to Bailey Meter Company. Fluid rate of flow measuring apparatus. 2,459,689, Jan. 18.
Differential Wheel Corporation, assignee: *See*—
Tolman, Charles P.
Dimick, Keene P., Redwood City, G. Alderton, Albany, and J. C. Lewis, Berkeley, Calif., and H. D. Lightbody and H. L. Fevold, Chicago, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Extraction and purification of subtilin. 2,459,139, Jan. 18.
Display Lighting Incorporated, assignee: *See*—
Price, Edison A.
Ditson, J. D.: *See*—
Bancel, Paul A., Ditson, and Karr.
Doctors Truss Company, assignee: *See*—
Hollingsworth, Fred.
Dodge, Ralph E., Takoma Park, Md. Portable necktie rack. 2,459,417, Jan. 18.
Dorfman, Hillier D., Pittsburgh, and G. J. Freese, East McKeesport, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,459,629, Jan. 18.
Doumani, Thomas F., Los Angeles, C. S. Coe, Long Beach, and E. C. Attané, Jr., Inglewood, assignors to Union Oil Company of California, Los Angeles, Calif. Oxidation of cycloaliphatic hydrocarbons and alcohols. 2,459,690, Jan. 18.
Dourte, George J., Long Beach, Calif. Hydraulic jack for automobile trailers. 2,459,508, Jan. 18.
Draper Corporation, assignee: *See*—
Brown, Carl D.
Dukay Machinery Corporation, assignee: *See*—
Kellner, Paul.
Duke, James B., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide, nonsilicate ores with nitric acid treated fatty acids. 2,459,219, Jan. 18.
Dum, John L.: *See*—
Bradley, Harry P., and Dum.
Duncan, Charles S., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,459,630, Jan. 18.
Dunn, Guy A., Oakland, assignor to California Packing Corporation, San Francisco, Calif. Pear peeling, coring, and splitting method and apparatus. 2,459,368, Jan. 18.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Signaigo, Frank K.
Durgin, Frank W.: *See*—
Charles, Robert F., and Durgin.
Dwyer, Martin, Hewlett Harbor, and P. B. Edwards, Port Washington, assignors to Aerial Products, Inc., Merrick, N. Y. Self-contained emergency signaling device adapted to be operated automatically after being launched. 2,459,267, Jan. 18.
Dybvig, Charles C., Birmingham, Mich., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,459,750, Jan. 18.
Dye, Glen M., R. B. Maddock, R. Sardeson, and E. H. Savela, assignors to Pako Corporation, Minneapolis, Minn. Film processing machine. 2,459,509, Jan. 18.
Eames, William F., Westfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Trainline control system. 2,459,631, Jan. 18.
Earle, Ralph H., Wauwatosa, and R. H. Amundson, Milwaukee, assignors to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,459,691, Jan. 18.
Eastman Kodak Company, assignee: *See*—
Coover, Harry W., Dickey, and Towne.
Easton Car & Construction Company, assignee: *See*—
Fraunfelder, George D.
Eck, William, assignor to Wisconsin Aluminum Foundry Company, Manitowoc, Wis. Apparatus for testing pressure gauges. 2,459,769, Jan. 18.
Ecusta Paper Corporation, assignee: *See*—
Levy, Robert M.
Edwards and Company, Inc., assignee: *See*—
Verkuil, Leo L.
Edwards, Philip B.: *See*—
Dwyer, Martin, and Edwards.
Eisner, Abner: *See*—
Haines, Paul G., Eisner, and Woodward.
Electric & Musical Industries Limited, assignee: *See*—
Cork, Edward C., and Bowman-Manifold.
Electric Soldering Iron Co., Inc., assignee: *See*—
Foster, Allen T.
Elkins, Lincoln F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Borehole pressure gauge. 2,459,268, Jan. 18.
Ellis, George D., Los Angeles, Calif. Light spot and reflector means for alinement of cameras for title purposes. 2,459,418, Jan. 18.
Ellmann, Jack I., Washington, D. C. Alternating current solenoid reciprocating motor unit. 2,459,510, Jan. 18.
Ellsworth, Ralph H., assignor to The Wolwin Chair Company, Willoughby, Ohio. Reclining chair. 2,459,269, Jan. 18.
Elmendorf, Duryea E., Cleveland, Ohio, assignor to General Electric Company. Negative glow lamp. 2,459,511, Jan. 18.
Emerick, Henry W.: *See*—
Nickelsen, John M., and Emerick.
Emsco Derrick & Equipment Company, assignee: *See*—
Tremolada, Guglielmo R.
Engel, Bruno K., Hoglandstorget, and F. T. E. Palmqvist, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Refining hydrocarbon oil. 2,459,419, Jan. 18.
England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,153, Jan. 18.
England, John H., Wellesley Hills, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,154, Jan. 18.
Engstrom, Ralph W., East Petersburg, Pa., assignor to Radio Corporation of America. Comparison control system. 2,459,632, Jan. 18.
Ensign, Robert H.: *See*—
Teague, Walter D., Jr., and Ensign.
Erickson, Albert L., and J. C. Kyle, Palo Alto, Calif. Pressure cell. 2,459,155, Jan. 18.
Erickson, John G., Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. β-amino-α-chloroacrylonitriles and preparation. 2,459,420, Jan. 18.
Escher, Edward P., Chicago, Ill., assignor to Screw Conveyor Corporation, Hammond, Ind. Conveyer cover clamping and dust-sealing means. 2,459,770, Jan. 18.
Esmond, William G., Cumberland, Md., assignor to Celanese Corporation of America. Advancing reel. 2,459,270, Jan. 18.
Espy, John A., Buechel, Ky. Centrifugal pump. 2,459,220, Jan. 18.
Essick, Bryant, Los Angeles, Calif. Liquid circulator. 2,459,312, Jan. 18.
Eversman Mfg. Co., assignee: *See*—
Shumaker, Lawrence E., and Davis.
Evertite Roof Corporation, assignee: *See*—
Sidwell, Webster S.
Fann, Isham H., Washington, D. C. Tool post for lathes. 2,459,421, Jan. 18.
Fantz, Fred C., Lima, Ohio, assignor to Midwest Piping & Supply Company, Inc., St. Louis, Mo. Handwheel. 2,459,271, Jan. 18.
Farley, Otley, Murray, Ky. Corn planter shovel attachment. 2,459,634, Jan. 18.

Farnsworth Research Corporation, assignee: *See*—
Hallmark, Clyde E.
Larson, Christian C.
Schantz, Joseph D.
Seigin, Paul J.

Farrell, Eugene F.: *See*—
Neumann, George R., and Farrell.

Farrington, Charlotte M., Flint, Mich. Combined shaft key and key extractor. 2,459,221, Jan. 18.

Farris, Clarence E., Fort Monroe, Va. Fluorescent lamp. 2,459,633, Jan. 18.

Fash, Ralph H., assignee, trustee: *See*—
Fash, Ralph H., and Campbell.

Fash, Ralph H., Fort Worth, and J. G. Campbell, Houston, assignors to R. H. Fash, trustee, Fort Worth, Tex. Petroleum exploration by soil analysis. 2,459,512, Jan. 18.

Federal Electric Products Company, Inc., assignee: *See*—
Humpage, Harold A.

Feeney, Thomas A., assignee: *See*—
Adams, Ralph D.

Fenn, Orrin E., assignor to Peters-Dalton Inc., Detroit, Mich. Gas washer. 2,459,635, Jan. 18.

Fenney, William N., assignor to The Texas Company, New York, N. Y. Alkylation method and apparatus. 2,459,636, Jan. 18.

Ferguson, Ralph M., Dayton, Ohio. Gun test range. 2,459,156, Jan. 18.

Ferguson, William C., and P. Sussenbach, St. Louis, and F. L. Limn, University City, Mo., assignors to The Preastite Engineering Company, St. Louis, Mo. Packing assembly. 2,459,370, Jan. 18.

Fevold, Harry L.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.

Field, Oscar S.: *See*—
Wight, Sedgwick N., and Field.

Firestone Tire & Rubber Company, The, assignee: *See*—
Albert, Harry E.
Allen, Raymond W.
Alliger, Glen.
Bebb, Robert L.
Bosomworth, George P.
Bradley, Harry P., and Dum.
Brown, Roy W.
Dybvig, Charles C.
Flint, Hyland C.
Groten, Frank J., and Reid.
Hargraves, Albert.
Heywood, Mark M.
Johnson, Charles R.
Kolbe, Henry H.
Kubaugh, Le Roy M.
O'Donnell, Robert T.
Palmer, Henry F.
Prettyman, Irven B., Bosomworth, and Milner.
Radcliffe, Milton R.
Rafter, John R.
Skromme, Arnold B.
Smith, George E. P., Jr., and Carr.
Smith, Thomas Q.
Trainer, James E., and Alderfer.
Waters, Herbert H.
Wilson, Robert F., and Reznicek.

Fisher, Martin H.: *See*—
King, George E., and Fisher.

Flaws, John, Jr., East Cleveland, Ohio, assignor to General Electric Company. Apparatus for making spiders for electric lamps. 2,459,513, Jan. 18.

Fletcher, Milton, New York, N. Y. Support for neon tubes. 2,459,692, Jan. 18.

Flickinger, Howard B., Ashtabula, Ohio. Nursing bottle holder. 2,459,514, Jan. 18.

Flinner, Elgie C., Kansas City, Mo. Portable camping stove. 2,459,515, Jan. 18.

Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Seat cushion, multiple type. 2,459,755, Jan. 18.

Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Bed structure. 2,459,756, Jan. 18.

Flint, Hyland C., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Back for seats. 2,459,758, Jan. 18.

Food Machinery and Chemical Corporation, assignee: *See*—
Van Vleck, Forest A.

Forsling, Bengt E. G.: *See*—
Graham, Douglas H., Forsling, and Tabberer.

Foster, Allen T., Chicago, Ill., assignor to Electric Soldering Iron Co., Inc., Deep River, Conn. Adjustable soldering iron. 2,459,371, Jan. 18.

Foster Machine Company, assignee: *See*—
Cotchett, Louis M.

Fox, Arthur L., Easton, Pa., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine sulfonamidopyridines. 2,459,771, Jan. 18.

Fox, Roy C., and T. N. Massey, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Socket. 2,459,272, Jan. 18.

Francis, Victor J., Aylesbury, and E. H. Nelson, Harrow Weald, England, assignors to General Electric Company. High-pressure mercury vapor lamp. 2,459,516, Jan. 18.

Frans, Frederick, West Haven, Conn., assignor to The Bates Manufacturing Company, West Orange, N. J. Stapling machine. 2,459,313, Jan. 18.

Fraunfelder, George D., assignor to Easton Car & Construction Company, Easton, Pa. Tandem axle running gear for trailers or the like. 2,459,372, Jan. 18.

Freedland, Jacob, Detroit, Mich. Shock therapy mouth guard. 2,459,273, Jan. 18.

Freese, Gerald J.: *See*—
Dorfman, Hiller D., and Freese.

Frihart, Henry N., W. C. Jackson, and F. B. Williams, Chicago, Ill., assignors to Motorola, Inc. Cathode-ray image-translating device. 2,459,637, Jan. 18.

Frisby Corporation, assignee: *See*—
Frisby, Frank D.

Frisby, Frank D., assignor to Frisby Corporation, St. Louis, Mo. Piston packing ring. 2,459,157, Jan. 18.

Fry, Douglas J.: *See*—
Kendall, John D., and Fry.

Fuller, Charles H., Los Angeles, Calif. Exciting means for high-frequency display tubes. 2,459,422, Jan. 18.

Fyler, George W., Lombard, assignor to Motorola, Inc., Chicago, Ill. High-voltage power supply. 2,459,638, Jan. 18.

Galetsky, Hyman, New York, N. Y. Mandolin pick. 2,459,274, Jan. 18.

Garand, John C., Springfield, Mass. Hammer retarder for automatic firearms. 2,459,158, Jan. 18.

Gartman, Raymond A.: *See*—
Blake, Marion E., and Gartman.

Gates, John C., Indianapolis, Ind. Hand truck with stair climbing shoe. 2,459,275, Jan. 18.

Gaylord Container Corporation, assignee: *See*—
Hensley, Claude H.

Gearhart, Roy E., Kansas City, Mo. Venetian blind. 2,459,517, Jan. 18.

Gebhart, Arthur I., Union, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Reaction of organic compounds with hydrogen halides. 2,459,423, Jan. 18.

Geigy, J. R., A. G., assignee: *See*—
Keller, Ernst, and Zweidler.

General Aniline & Film Corporation, assignee: *See*—
Fox, Arthur L.
Mayhew, Raymond L.

General Electric Company, assignee: *See*—
Beggs, James E.
Denham, Robert H.
Elmendorf, Buryea E.
Flaws, John, Jr.
Francis, Victor J., and Nelson.
Graham, Douglas H., Forsling and Tabberer.
Halstead, Gerald G., and Russ.
Ickis, Lynn S.
Latta, Isaac R.
Lemmer, Eugene.
Noble, Sidney H.
Noel, Edward B.
Rochow, Eugene G.
Schmerheim, John F.
Sullivan, Earle C.

General Motors Corporation, assignee: *See*—
Browne, Donald B.
Grooms, Albert O.
McGougal, Taine G., Schwartzwalder, and Rulka.
Rabezzana, Hector, and Wiegand.
Smith, Lucian B.

General Railway Signal Company, assignee: *See*—
Brixner, Frederick W., and Barker.
Wight, Sedgwick N., and Field.

General Tire and Rubber Company of California, assignee: *See*—
Weinland, Clarence E.

Gerlough, Tillman D., Highland Park, and E. L. Smith, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Parenteral solutions of riboflavin and the like. 2,459,518, Jan. 18.

Gettys, William W., Greeley, Colo. V-belt clutching device. 2,459,373, Jan. 18.

Geyer, Bradford P.: *See*—
Ballard, Seaver A., and Geyer.

Girdler Corporation, The, assignee: *See*—
Hickok, Willard H.

Glassman, Nathan S., Washington, D. C. Mechanism for traversing artillery pieces. 2,459,159, Jan. 18.

Glazier, Edwin M.: *See*—
Packie, John W., and Glazier.

Glidden Company, The, assignee: *See*—
Moore, Charles G.

Glover, W. T., & Company Limited, assignee: *See*—
Beaver, Charles J., and Davey.

Godsey, Frank W., Jr.: *See*—
Langer, Bernard F., and Godsey.

Goldberg, Moses W., Upper Montclair, and S. Teitel, Rutherford, assignors to Hoffman-La Roche Inc., Nutley, N. J. Preparing metal salts of penicillin. 2,459,315, Jan. 18.

Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-speed sequential relaying system. 2,459,639, Jan. 18.

Goodhue, William V.: *See*—
Cole, Frank E., Goodhue, and Heeley.

Goodhue, William V., Ipswich, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Rocket launcher. 2,459,314, Jan. 18.

Goodrich, Earl F., assignor to Kirkhom Manufacturing Corporation, Grand Rapids, Mich. Core clamping means. 2,459,374, Jan. 18.

Gordon, Joseph M., Chicago, Ill. Laminated phosphorescent fluorescent article. 2,459,693, Jan. 18.

Gordon, Joseph M., Chicago, Ill. Structure for fluorescent dial panel and making the same. 2,459,694, Jan. 18.

Gould, Clark W., Jr., assignor to California Institute Research Foundation, Pasadena, Calif. Microfractionation still with capillary tube offtakes for condensate. 2,459,375, Jan. 18.

Graham, Douglas H., Coventry, B. E. G. Forsling, Rugby, and G. Tabberer, Coventry, England, assignors to General Electric Company. Speed limiting arrangements for turbine rotors. 2,459,519, Jan. 18.

Gramelspacher, Clarence U., Jasper, Ind. Manufacturing bilge barrels. 2,459,316, Jan. 18.

Granat, Leo, San Francisco, Calif. Press and die therefor. 2,459,276, Jan. 18.

Granberg, Albert J., Oakland, Calif. Fueling system. 2,459,317, Jan. 18.

Greenshields, Bruce D., New York, N. Y. Mixing bituminous materials with fillers. 2,459,520, Jan. 18.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,459,521, Jan. 18.

Griffin, Percy M., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Closure operator. 2,459,695, Jan. 18.

Grip Nut Company, assignee: *See*—
Kass, Lawrence W.

Griscom, Samuel B., and R. L. Witzke, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,640, Jan. 18.

Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Switch for refrigerating apparatus. 2,459,522, Jan. 18.

Groten, Frank J., Montclair, and R. J. Reid, Fair Lawn, N. J., assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Elastomeric copolymer mixed with phenol-aldehyde resin. 2,459,739, Jan. 18.

Gulf Research & Development Company, assignee: *See*—
Stillson, Gordon H., and Sawyer.

Guthrie, John D., New Orleans, La., assignor to The United States of America as represented by the Secretary of Agriculture. Introduction of amino groups into cellulose. 2,459,222, Jan. 18.

Haantjes, Johan, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device for converting a saw-tooth-shaped voltage of a comparatively low frequency into a saw-tooth-shaped current. 2,459,278, Jan. 18.

Haines, Paul G., and A. Elsner, Philadelphia, and C. F. Woodward, Abington, Pa., assignors to The United States of America as represented by the Secretary of Agriculture. Preparation of nornicotine. 2,459,696, Jan. 18.

Halbkat, Charles A.: *See*—
Wells, Lee A., and Halbkat.

Halborg, Carl J., New Baltimore, assignor to Colonial Broach Company, Warren Township, Macomb County, Mich. Broaching machine. 2,459,697, Jan. 18.

Hallead, Merrill, assignor to Superior Machine and Engineering Company, Detroit, Mich. Apparatus for dressing the grinding wheel of an internal grinder. 2,459,641, Jan. 18.

Hallinan, William W., Racine, Wis. Filter. 2,459,318, Jan. 18.

Hallinan, William W., Racine, Wis. Filter. 2,459,376, Jan. 18.

Hallinan, William W., Racine, Wis. Variable-speed pulley. 2,459,377, Jan. 18.

Hallinan, William W., Racine, Wis. Variable-speed pulley. 2,459,378, Jan. 18.

Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Modulation system. 2,459,698, Jan. 18.

Hallmark, Clyde E., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Synchronizing system. 2,459,699, Jan. 18.

Halstead, Gerald G., and R. B. Russ, Schenectady, N. Y., assignors to General Electric Company. Electrode support structure for electric discharge devices. 2,459,277, Jan. 18.

Hamilton, Roy C., San Francisco, and E. S. Rothchild, San Mateo, assignors to Rodpak Manufacturing Co., San Francisco, Calif. Seal. 2,459,642, Jan. 18.

Hampton, Durward B., Sebastopol, Calif. Trap. 2,459,160, Jan. 18.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Cathode-ray oscilloscope. 2,459,319, Jan. 18.

Hansen, Harold, Fresno, Calif. Record sheet supporting device. 2,459,523, Jan. 18.

Hanson, Frederick C., Cordova, assignor to Deere & Company, Moline, Ill. Belt-tightening device. 2,459,379, Jan. 18.

Hanson, Merle E., Chicago, Ill. Tray moving apparatus. 2,459,524, Jan. 18.

Hanshaw, Ernest: *See*—
Kellogg, Warren C., and Hanshaw.

Hargraves, Albert, Cuyahoga Falls, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire tread. 2,459,762, Jan. 18.

Harper, Elmer E., Monrovia, Calif.; E. P. Harper, executrix of E. E. Harper, deceased. Control valve. 2,459,700, Jan. 18.

Harper, Elmer E., deceased, by E. P. Harper, executrix, Monrovia, Calif. Mechanical instrument holder. 2,459,701, Jan. 18.

Harper, Esther P., executrix: *See*—
Harper, Elmer E.

Harris, Arch W., Cleveland, Ohio, and A. H. Ward, Pittsburgh, Pa., assignors to The American Steel and Wire Company of New Jersey and Carnegie-Illinois Steel Corporation. Metal coating. 2,459,161, Jan. 18.

Harshaw Chemical Company, The, assignee: *See*—
Kremers, Harry C., and Johnson.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Bax, Hendrikus G. A.
Haantjes, Johan.
Mulder, Johannes G. W.
Van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.

Hartley, Emmett C., assignor to The Parker Appliance Company, Cleveland, Ohio. Swivel coupling. 2,459,643, Jan. 18.

Hauser, Hermann, Binningen, and M. Bommer, Riehen, Switzerland, assignors to the Swiss fiorm of Ciba Limited. Anthrimide carbasole dyestuffs. 2,459,424, Jan. 18.

Hayes, Harvey C., Washington, D. C. Acoustical sound locating device. 2,459,162, Jan. 18.

Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Triphenylmethyl butyl ether as an insecticide. 2,459,525, Jan. 18.

Heckenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. 1-naphthylmethyl tetradecyl ether as an insecticide. 2,459,526, Jan. 18.

Heeley, Roland: *See*—
Cole, Frank E., Goodhue, and Heeley.

Heidebrecht, Abraham Q., Burrton, Kans. Dead-end back tie. 2,459,644, Jan. 18.

Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Apparatus for contacting gaseous fluids with solids. 2,459,425, Jan. 18.

Henderson, Thomas J., Bayport, N. Y. Releasable shackle. 2,459,223, Jan. 18.

Hendricks, William L., Los Angeles, Calif. Magnetically operated stirrer for mixing liquids. 2,459,224, Jan. 18.

Henning, George E., and C. E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic stop motion for knitting machines and the like. 2,459,426, Jan. 18.

Hensley, Claude H., Dallas, Tex., assignor to Gaylord Container Corporation, St. Louis, Mo. Folded-blank box tray. 2,459,645, Jan. 18.

Herbert, Elmer H., assignor to Oliver United Filters Incorporated, Oakland, Calif. Valve for overflow system. 2,459,527, Jan. 18.

Herbert, Philip J.: *See*—
Wolff, Irving, and Herbst.

Hercules Powder Company, assignee: *See*—
Johnson, Harold E.
Johnson, Harold E., and Spurlin.
Jones, William D.
Oswald, Frank G.

Hersam, George R.: *See*—
Holst, William H., and Hersam.

Hess, Willis C., Kenmore, assignor of one-third to L. C. Krazinski, New York, N. Y. Clothesline holder. 2,459,380, Jan. 18.

Hewitt, Alfred G., La Grange Park, and S. F. Clement, assignors to The Visking Corporation, Chicago, Ill. Flame sealing apparatus. 2,459,235, Jan. 18.

Heywood, Mark M., Twickenham, England, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of rubber products. 2,459,763, Jan. 18.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Thermal igniter. 2,459,163, Jan. 18.

Hickok, Willard H., assignor to The Girdler Corporation, Louisville, Ky. Controlling high-frequency heating of dielectric material. 2,459,225, Jan. 18.

Hildebrandt, Henry, assignee: *See*—
Dahlstrom, Eric T. J., and Caplan.

Hipwell, Harry H.: *See*—
Hipwell, Harry T., and Hipwell.

Hipwell, Harry T., and H. T. Hipwell, Pittsburgh, Pa. Flash lamp. 2,459,702, Jan. 18.

Hodges, Walter P., Knoxville, Tenn. Guide cutter and stub holder. 2,459,646, Jan. 18.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Lamp holder for fluorescent lamps. 2,459,647, Jan. 18.

Hoeppner, Conrad H.: *See*—
Rosen, Milton W., and Hoeppner.

Hoffman-La Roche Inc., assignee: *See*—
Goldberg, Moses W., and Teitel.

Holcomb, Walter F.: *See*—
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.

Holden, Robert W., assignor to Laminating Specialties, Inc., Burbank, Calif. Plastic coating. 2,459,279, Jan. 18.

Holder, Clinton H.: *See*—
Welty, Albert B., Jr., and Holder.

Hollingsworth, Fred, assignor to Doctors Truss Company, Grand Rapids, Mich. Truss. 2,459,381, Jan. 18.

Holloman, George C.: *See*—
Crane, Carl J., Holloman, Muller, and Stout.

Hollub, Arthur, Chicago, Ill. Demountable sealed stove pipe joint. 2,459,382, Jan. 18.

Holst, William H., U. S. Navy, and G. R. Hersam, Takoma Park, Md. Webbable, strippable coating composition. 2,459,164, Jan. 18.

Hook, Harry H., Los Angeles, Calif. Apparatus for taking radiographs. 2,459,528, Jan. 18.

Horwitz, Alfred S.: *See*—
Cahill, Lysle D., Buhl, and Horwitz.

Houghton, Joseph Y., Chevy Chase, Md. Method and apparatus for determining the three-dimensional direction of approach of an electromagnetic wave front. 2,459,165, Jan. 18.

Howard, Kenneth L.: *See*—
Denton, John J., and Howard.

Howard, Viola T., Saylesville, R. I., assignor to Swank, Inc. Cuff link for french type cuffs. 2,459,703, Jan. 18.

Hughes, Leighton E., U. S. Navy. Main feed pump recirculating line erosion control device. 2,459,166, Jan. 18.

Humpage, Harold A., Hartford, Conn., assignor, by mesne assignments, to Federal Electric Products Company, Newark, N. J. Circuit breaker. 2,459,427, Jan. 18.

Hunter, Richard B., and E. Pell, Shorewood, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for alternating current motors. 2,459,320, Jan. 18.

Hydraulic Brake Company, assignee: *See*—
La Brie, Ludger E.

Ickis, Lynn S., East Cleveland, Ohio, assignor to General Electric Company. Focusing reflector-type electric discharge lamps. 2,459,532, Jan. 18.

Ilford Limited, assignee: *See*—
Kendall, John D., and Fry.

Ingalls, Anne, Chicago, Ill. Shoulder pad. 2,459,648, Jan. 18.

Ingersoll-Rand Company, assignee: *See*—
Bancel, Paul A., Ditson, and Karr.

Interior, the United States of America, as represented by the Secretary of the, assignee: *See*—
Vahrenkamp, George J.

Irvin, Ward M., Battle Creek, Mich. Holder for Christmas trees, flagstaffs, and the like. 2,459,533, Jan. 18.

Irvington Varnish and Insulator Company, assignee: *See*—
Schaufelberger, William F.

Jack & Heints Precision Industries, Inc., assignee: *See*—
Cahill, Lysle D., Buhl, and Horwitz.
Kopischiansky, Andrew F.

Jackson, Wilbur C.: *See*—
Frihart, H. Neil, Jackson, and Williams.

Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Air cleaner. 2,459,428, Jan. 18.

Jahrl, Erik T. W., Orebro, Sweden. Chuck. 2,459,649, Jan. 18.

Jeffers, Walter M., assignor to Crouse-Hinds Company, Syracuse, N. Y. Control apparatus for traffic signaling systems. 2,459,429, Jan. 18.

Jefts, Albert W., and J. A. Schmidlein, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of ethylene cyanohydrin. 2,459,430, Jan. 18.

Jencks, Charles D., Bristol, R. I., and R. H. Lawson, Lakeport, N. H., assignors to Walter Kidde & Company, Inc., Belleville, N. J. Winding machine. 2,459,167, Jan. 18.

Jennings, O. D., & Company, assignee: *See*—
Mihalek, Emery, and Szyper.

Jocelyn, Douglas L., Detroit, Mich. Ice tray. 2,459,168, Jan. 18.

Jogwick, Walter E., Parkersburg, and E. H. McLaughlin, Vienna, W. Va. Tray table. 2,459,529, Jan. 18.

Johns-Manville Corporation, assignee: *See*—
Cummins, Arthur B.
De Vyver, Cornelius A.
Poltorak, Emil J.

Johnson, Arthur A., assignor to Automatic Devices Corporation, Bridgeport, Conn. Cigar lighter. 2,459,650, Jan. 18.

Johnson, Charles R., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Coagulation of synthetic rubber latex. 2,459,748, Jan. 18.

Johnson, Dorothy E., Sacramento, Calif. Educational toy. 2,459,321, Jan. 18.

Johnson, Gestur, Albany, and M. M. Bogga, Berkeley, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Cold processed fruit spread. 2,459,431, Jan. 18.

Johnson, Harold E., assignor to Hercules Powder Company, Wilmington, Del. Separation of cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols. 2,459,432, Jan. 18.

Johnson, Harold E., Wilmington, and H. M. Spurlin, Marshallton, assignor to Hercules Powder Company, Wilmington, Del. Separation of cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols. 2,459,433, Jan. 18.

Johnson, Henry H., Glendale, Calif. Telemetric device. 2,459,704, Jan. 18.

Johnson, Irwin E.: *See*—
Kremers, Harry C., and Johnson.

Johnson, Oscar A.: *See*—
Smith, Eric C., and Johnson.

Johnson's Company, assignee: *See*—
Pharo, Lee C.

Johnston, Gorman J., Bellevue, Pa., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Stationary induction apparatus. 2,459,322, Jan. 18.

Johnston, Lewis E., Winter Garden, Fla. Bag and container tying device. 2,459,530, Jan. 18.

Jones, Edwin K., Ponca City, Okla., assignor to Universal Oil Products Company, Chicago, Ill. Catalyst absorption. 2,459,531, Jan. 18.

Jones, Eldon M.: *See*—
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.

Jones, Harry W.: *See*—
Dempster, George.

Jones & Laughlin Steel Corporation, assignee: *See*—
Bowman, Robert S.
Slagle, Kenneth H., and Bowman.

Jones, Reuben G.: *See*—
Shaw, Gail L., and Jones.

Jones, Thomas L.: *See*—
Tirrill, John P., and Jones.

Jones, William D., West Lafayette, Ind., assignor to Hercules Powder Company, Wilmington, Del. Synthetic resins derived by reacting a cresol-formaldehyde condensate with a monohydric alcohol ester of rosin. 2,459,651, Jan. 18.

Julien, Maurice F. A., Paris, France. Transmission system for automobile vehicles. 2,459,705, Jan. 18.

Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Distillation of hydrocarbons to remove fluorine compounds. 2,459,434, Jan. 18.

Karr, Alfred D.: *See*—
Bancel, Paul A., Ditson, and Karr.

Kass, Lawrence W., assignor to Grip Nut Company, Chicago, Ill. Brake beam safety support. 2,459,323, Jan. 18.

Kasten, Walter, Franklin, assignor to Renniks Company, Detroit, Mich. Pressure seal. 2,459,652, Jan. 18.

Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A. G. Basel, Switzerland. Substantive triazineazo dyes. 2,459,435, Jan. 18.

Kelley, Louis J.: *See*—
Roy, Cleeland, Kelley, and Davis.

Kellner, Paul, assignor to Dukay Machinery Corporation, New York, N. Y. Pan greasing machine. 2,459,324, Jan. 18.

Kellogg, M. W., Company, The, assignee: *See*—
Passino, Herbert J.

Kellogg, Warren C., and E. Hanshaw, assignors to Renniks Company, Detroit, Mich. Reed seal for rotating equipment. 2,459,654, Jan. 18.

Kendall, John D., and D. J. Fry, Ilford, assignors to Ilford Limited, Ilford, Essex, England. Production of pyrazole-5-ones. 2,459,226, Jan. 18.

Kennedy, Thomas A., assignor to J. A. Zurn Mfg. Co., Erie, Pa. Magnetic separator for fluid systems. 2,459,534, Jan. 18.

Kerr, Arthur N., Los Angeles, Calif., assignor to Phillips Petroleum Company. Underground reservoir for the storage of liquefied gases. 2,459,227, Jan. 18.

Keyes, John J., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulated conductor. 2,459,653, Jan. 18.

Kidde, Walter, & Company, Inc., assignee: *See*—
Jencks, Charles D., and Lawson.

Killen, Carroll G., Jr.: *See*—
Sparks, George R., and Killen, Jr.

King, Carl F., Jr.: *See*—
Moore, Chester C., and King, Jr.

King, George E., and M. H. Fisher, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Adjustable speed drive. 2,459,655, Jan. 18.

King, John A., Albany, assignor, by mesne assignments, to Winthrop-Stearns, Inc., New York, N. Y. Preparation of amides. 2,459,706, Jan. 18.

Kinne, Edmund P., Alliance, Ohio, assignor to American Steel Foundries, Chicago, Ill. Fifth wheel. 2,459,772, Jan. 18.

Kirkhof Manufacturing Corporation, assignee: *See*—
Goodrich, Earl F.

Kirkman, Robert A.: *See*—
Deisinger, Delbert A., and Kirkman.

Kirschner, Donald J., Miami Beach, Fla. Pocket automatic electric lighter. 2,459,656, Jan. 18.

Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Adjustable broiler. 2,459,657, Jan. 18.

Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachable handle. 2,459,658, Jan. 18.

Knowles, Hugh S., River Forest, Ill., assignor to Zenith Radio Corporation. Bone conduction unit. 2,459,325, Jan. 18.

Koci, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Radiation thermostat control for toasters. 2,459,169, Jan. 18.

Koci, Ludvik J., assignor to Sunbeam Corporation, Chicago, Ill. Toaster control mechanism. 2,459,170, Jan. 18.

Kolb, Walter G., Washington, D. C. Convenience outlet. 2,459,659, Jan. 18.

Kolbe, Henry H., Los Angeles, Calif., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel cell fitting. 2,459,747, Jan. 18.

Konicek, Frank, Baltimore, and H. J. Vennes, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Article assembling apparatus. 2,459,228, Jan. 18.

Kopischiansky, Andrew F., Maple Heights, assignor, by mesne assignments, to Jack & Heints Precision Industries, Inc., Cleveland, Ohio. Servo unit test stand. 2,459,535, Jan. 18.

Kosting, Peter E.: *See*—
Zagwyn, Theodore K.

Kraft, Joseph K.: *See*—
Sandin, Jerome, Kraft, and Rawlins.

Kransinski, Leo C.: *See*—
Hess, Willis C.

Krasberg, Rudolf G., Chicago, Ill. Hose clamp. 2,459,436, Jan. 18.

Kreissler, Earl E., and F. C. Wilkinson, Kansas City, Mo. Adjustable ladder attachments. 2,459,437, Jan. 18.

Kremers, Harry C., Cleveland Heights, and I. E. Johnson, Cleveland, assignors, to The Harshaw Chemical Company, Elyria, Ohio. Manufacture of hydrofluoric acid. 2,459,438, Jan. 18.

Kremiller, Arthur E., Glendale, Calif., assignor to Adel Precision Products Corp. Pulsator system. 2,459,326, Jan. 18.

Kubaugh, Le Roy M., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Resilient mounting. 2,459,741, Jan. 18.

Kyle, James C.: *See*—
Erickson, Albert L., and Kyle.

Kyle, William D., Jr., Milwaukee, and C. Schindler, Wauwatosa, Wis., assignors to Line Material Company. Automatic reclosing circuit breaker. 2,459,327, Jan. 18.

La Brie, Ludger E., assignor to Hydraulic Brake Company, Detroit, Mich. Cup washer. 2,459,562, Jan. 18.

Laminating Specialties, Inc., assignee: *See*—
Holden, Robert W.

Landsbergen, Hendricus J.: *See*—
Van Llempt, Johannes A. M., Prakke, Landsbergen, and van Uden.

Lange, Lila L., Chicago, Ill. Straining device. 2,459,660, Jan. 18.

Lange, Morris, University Heights, and M. Spiegel, Shaker Heights, assignors to Superior Funeral Supply Corporation, Cleveland, Ohio. Folding support. 2,459,280, Jan. 18.

Langer, Bernard F., Pittsburgh, and F. W. Godsey, Jr., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque measuring device for shafts. 2,459,171, Jan. 18.

Larson, Christian C., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Image dissector. 2,459,778, Jan. 18.

Larson, Frank L.: *See*—
Robbins, Sam E.
Robbins, Sam E., and Larson.

Larson, Roy F., R. W. Liggett, and W. C. Mussulman, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Flavoring materials. 2,459,568, Jan. 18.

Latta, Isaac R., Drexel Hill, Pa., assignor to General Electric Company. Control device. 2,459,664, Jan. 18.

Lawson, Robert H.: *See*—
Jencks, Charles D., and Lawson.

LeBlond, R. K., Machine Tool Company, The, assignee: *See*—
Davis, Adolph H.

Lee, Slaughter W., Princeton, assignor to Wallace Laboratories, Inc., New Brunswick, N. J. Penetrating aqueous sulfur composition for the treatment of skin disorders such as acne. 2,459,566, Jan. 18.

Lee, William R., San Mateo, Calif. Display box. 2,459,565, Jan. 18.

Leeds and Northrup Company, assignee: *See*—
Williams, Albert J., Jr.

Lehman, Edward H., assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,459,229, Jan. 18.

Lemmers, Eugene, Cleveland Heights, Ohio, assignor to General Electric Company. Positive column lamp. 2,459,567, Jan. 18.

Lenz, Lionel C., assignor to S. Pass, Chicago, Ill. Slip cover. 2,459,328, Jan. 18.

Leonard, Ward Electric Company, assignee: *See*—
Steinitz, Stephen.

Levey, Fred'k H., Co., Inc., assignee: *See*—
Cohoe, Wallace P., and Saalaw.
Cohoe, Wallace P., and Wilson.

Levine, Herbert B., assignee: *See*—
Solana, Carlos G., and Casingena.

Levinson, Sidney O., and F. Oppenheimer, Chicago, Ill., assignors to Michael Reese Research Foundation. Dehydration device. 2,459,329, Jan. 18.

Levy, Robert M., Brevard, N. C., assignor to Ecusta Paper Corporation. Sampling device. 2,459,383, Jan. 18.

Lewis, Clay E.: *See*—
Henning, George E., and Lewis.

Lewis, Dartrey, assignor to John A. Roebling's Sons Company, Trenton, N. J. Method and apparatus for grinding rod and wire. 2,459,707, Jan. 18.

Lewis, James C.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.

Lewis, Richard W.: *See*—
Spreen, Charles C.

Ley, George A., Chicago, Ill. Control switch for synchronizers and the like. 2,459,330, Jan. 18.

Lichty, Joy G., Stow, and N. V. Seeger, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Polymeric amterials from iso- and isothiocyanates with acrylic acids. 2,459,439, Jan. 18.

Lieber, Eugene, West New Brighton, N. Y., and A. F. Cashman, Bayonne, N. J., assignors to Standard Oil Development Company. Producing wax esters of hydrocarbon sulfonates. 2,459,440, Jan. 18.

Liggett, Robert W.: *See*—
Larson, Roy F., Liggett, and Mussulman.

Lightbody, Howard D.: *See*—
Dimick, Keene P., Alderton, Lewis, Lightbody, and Fevold.

Lilly, Eli, and Company, assignee: *See*—
Christie, Charles F.
Shaw, Gail L., and Jones.

Limn, Frank L.: *See*—
Ferguson, William C., Sussenbach, and Limn.

Linde Air Products Company, The, assignee: *See*—
Rothe, Frank.

Line Material Company, assignee: *See*—
Earle, Ralph H., and Amundson.
Kyle, William D., Jr., and Schindler.

Linenthal, Jack, Chicago, Ill. Rack for neckties. 2,459,331, Jan. 18.

Lipkin, Moses R., assignor to Sun Oil Company, Philadelphia, Pa. Separation of hydrocarbons. 2,459,442, Jan. 18.

Lippert, Walter E., Jackson Heights, N. Y., assignor to Underwood Corporation. Computing machine. 2,459,441, Jan. 18.

Litten, Fred W., Zelienople, Pa. Food chopper with rotary forcer screw. 2,459,230, Jan. 18.

Ljunggren, Thor H., Charlestown, N. H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Motor-driven tool mechanism. 2,459,384, Jan. 18.

Lorber, Charles, Louisville, Ky. Combination quiz device. 2,459,231, Jan. 18.

Luetkemeyer, Henry W., Euclid, and R. A. Schaefer, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Bearing. 2,459,172, Jan. 18.

Luitjens, Alvin H.: *See*—
Stoner, Justus S., and Luitjens.

Lundgren, Harold P., Berkeley, Calif., assignor to United States of America as represented by the Secretary of Agriculture. Dispersions of proteins in aqueous detergents. 2,459,708, Jan. 18.

Lyon, George A., Allenhurst, N. J. Making wheel balancing weights. 2,459,568, Jan. 18.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,459,569, Jan. 18.

Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, as trustees. Gas turbine system embodying rotary positive displacement compressor apparatus. 2,459,709, Jan. 18.

Lytle, Lawrence D.: *See*—
Cullinan, John F., and Lytle.

Mabrey, Willis R., Olidale, Calif. Combination fruit or flower cutter and holder. 2,459,232, Jan. 18.

Mabry, Steve M., Yokena, Miss. Tray. 2,459,443, Jan. 18.

MacFarland, Allison M., assignor to W. T. Neiman, Freeport, Ill. Electric snap switch. 2,459,661, Jan. 18.

Mackay, Johnstone S., Old Greenwich, and J. H. Padea, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing guanamines. 2,459,710, Jan. 18.

Macy, Donald, assignor of one-half to S. B. Ohlbaum, New York, N. Y. Combination lip rouge applicator and mirror. 2,459,733, Jan. 18.

Maddock, Ralph B.: *See*—
Dye, Glen M., Maddock, Sardeson, and Savela.

Magallon, Alfred, assignee: *See*—
Ruffino, Gabriel.

Mahnke, Kurt, Alden, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Bus transfer apparatus. 2,459,662, Jan. 18.

Main, Thomas C., San Antonio, Tex., assignor to Standard Oil Development Company. Hydrocarbon synthesis. 2,459,444, Jan. 18.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic braking system. 2,459,663, Jan. 18.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Hydraulic valve. 2,459,664, Jan. 18.

Johnson, Harold E., assignor to Hercules Powder Company, Wilmington, Del. Separation of cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols. 2,459,432, Jan. 18.

Klein, Gustav, Melrose Park, assignor to Caloric Stove Corporation, Philadelphia, Pa. Detachable handle. 2,459,658, Jan. 18.

Levine, Herbert B., assignee: *See*—
Solana, Carlos G., and Casingena.

Majneri, Ludwig A., Grosse Pointe, assignor to The Warner Aircraft Corporation, Detroit, Mich. Combined retracting and braking system for aircraft landing gear. 2,459,665, Jan. 18.

Mall, Arthur W., Flossmoor, assignor to Mall Tool Company, Chicago, Ill. Saw sharpener. 2,459,233, Jan. 18.

Mall Tool Company, assignee: *See*—
Mall, Arthur W.

Manganese Products, Inc., assignee: *See*—
Moulton, Ralph W.

Mannila, Leo, assignee: *See*—
Wiitala, Elmer.

Marble, Jarvis C., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lysholm, Alf.

Markem Machine Company, assignee: *See*—
Robbins, Charles F.

Marks, Sydney, assignee: *See*—
Booth, Eustace R.

Martin, Albert M., Park Ridge, Ill. Vertical file. 2,459,385, Jan. 18.

Marus, Michael, Plant City, Fla. Closure fastener. 2,459,666, Jan. 18.

Mason, Ruric C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control circuits. 2,459,667, Jan. 18.

Massey, Thomas N.: *See*—
Fox, Roy C., and Massey.

Mathot, Jacques: *See*—
Coutant, André C., and Mathot.

Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley wire hanger. 2,459,386, Jan. 18.

Mayhew, Raymond L., Phillipsburg, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Phthalocyanine polyhydroxyalkylsulfonamides. 2,459,773, Jan. 18.

McAlvay, John C.: *See*—
Munroe, David J., and McAlvay.

McCandless, Chester N.: *See*—
McClintock, William M., and C. N. and D. E. McCandless.

McCandless, Dean E.: *See*—
McClintock, William M., and C. N. and D. E. McCandless.

McClintock, William M., New Kensington, Pa., and C. N. and D. E. McCandless, Youngstown, Ohio. Folding infant's crib. 2,459,445, Jan. 18.

McCloy, Graham S., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Defrosting means for refrigeration apparatus. 2,459,173, Jan. 18.

McCown, William E., Haddonfield, N. J., assignor to Radio Corporation of America. Condenser. 2,459,332, Jan. 18.

McCoy, George E.: *See*—
Battley, Edwin R.

McCracken, James D., assignor to Askania Regulator Company, Chicago, Ill. Control for hydraulic couplings. 2,459,734, Jan. 18.

McDonald, Joseph F., Bronx, N. Y., assignor to Radio Corporation of America. Two-way radio equipment for lifeboat service. 2,459,281, Jan. 18.

McDougal, Taine G., Flint, K. Schwartzwalder, Holly, and A. S. Rulka, Flint, assignors to General Motors Corporation, Detroit, Mich. Resistor and spark plug embodying same. 2,459,282, Jan. 18.

McDowall, Robert, assignor to The Viking Corporation, Chicago, Ill. Flame sealing apparatus. 2,459,234, Jan. 18.

McFarland, Joseph L., Royal Oak, and M. P. Van Camp, Detroit, Mich. Probe. 2,459,174, Jan. 18.

McGregor, George H., International Falls, assignor to Minnesota and Ontario Paper Company, Minneapolis, Minn. Method of refining sulfate turpentine. 2,459,570, Jan. 18.

McGregor, Rob R., Verona, and E. L. Warrick, Pittsburgh, Pa., assignors to Corning Glass Works, Corning, N. Y. Condensing organosilicols. 2,459,387, Jan. 18.

McKee, Ralph H., New York, N. Y. Removing shine from fabrics. 2,459,236, Jan. 18.

McKinley, Floyd C., Shaker Heights, Ohio. Combined shipping and display case for bottles. 2,459,333, Jan. 18.

McKinnon, Archibald L., St. Catharines, Ontario, Canada, assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Manufacture of snap hooks. 2,459,735, Jan. 18.

McLaughlin, Ell H.: *See*—
Jogwick, Walter E., and McLaughlin.

McNall, John W., East Orange, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Positive grid oscillator. 2,459,283, Jan. 18.

McQuay-Norris Manufacturing Company, assignee: *See*—
Smith, Dallas M.

Meier, William J., New York, N. Y. Dental unit. 2,459,711, Jan. 18.

Melichar, Joseph F., assignor to The Parker Appliance Company, Cleveland, Ohio. Valve casing. 2,459,668, Jan. 18.

Mentor, Eugene L., Westminster, assignor to Simplex Time Recorder Co., Gardner, Mass. Self-contained switchboard and cable connections therein. 2,459,237, Jan. 18.

Meredith, Joe H., Springfield, Mo. Roller bracket for round refrigerator or cabinet shelf. 2,459,446, Jan. 18.

Merrill, Leslie M., assignee, trustee: *See*—
Boestad, Gustav K. W.
Lysholm, Alf.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,669, Jan. 18.

Messina, Charles F., and M. M. Messina, Central Valley, N. Y. Restraining device. 2,459,712, Jan. 18.

Messina, Michael M.: *See*—
Messina, Charles F., and Messina.

Micarta Fabricators, Inc., assignee: *See*—
Olson, Harry A.

Michael Reese Research Foundation, assignee: *See*—
Levinson, Sidney O., and Oppenheimer.

Mid-States Equipment Corporation, assignee: *See*—
Nielsen, Clayton P.

Midwest Piping & Supply Company, Inc., assignee: *See*—
Fants, Fred C.

Mihalek, Emery, and C. Szyper, assignors to O. D. Jennings & Company, Chicago, Ill. Cabinet with device for locking an instrument base. 2,459,571, Jan. 18.

Milliken, Humphreys, Mount Royal, Quebec, Canada. Apparatus for converting heat energy into useful work. 2,459,447, Jan. 18.

Milner, Duncan C.: *See*—
Prettyman, Irven B., Bosomworth, and Milner.

Miner, W. H., Inc., assignee: *See*—
Lehman, Edward H.

Minerals Separation North American Corporation, assignee: *See*—
Duke, James B.

Minnesota and Ontario Paper Company, assignee: *See*—
McGregor, George H.

Molins, Desmond W., Deptford, London, S. E. 8, assignor to Molins Machine Company Limited, London, England. Breech-loading mechanism for ordnance. 2,459,572, Jan. 18.

Molins Machine Company Limited, assignee: *See*—
Molins, Desmond W.

Monroe Auto Equipment Company, assignee: *See*—
Nickelsen, John M., and Emerick.

Moore, Charles G., River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing oil acid modified alkyd material. 2,459,176, Jan. 18.

Moore, Chester C., and C. F. King, Jr., assignors to Stephens-Adamson Mfg. Co., Aurora, Ill. Hydraulic cam adjuster. 2,459,713, Jan. 18.

Moore, Wiley T., U. S. Army, Laverne, Okla., assignor to United States of America as represented by the Secretary of War. Explosive bullet. 2,459,175, Jan. 18.

Morris, Adrian, Jacksonville, Fla. Tobacco pipe attachment. 2,459,670, Jan. 18.

Morris, George S., North Hollywood, Calif. Overhead valve tappet clearance adjusting wrench. 2,459,671, Jan. 18.

Morrison, Samuel O., Media, Pa., assignor to Sunroc Refrigeration Company, Dover, Del. Water cooler with a drain arrangement. 2,459,774, Jan. 18.

Morrow, Harry R., Chicago, Ill. Dental drill spray. 2,459,573, Jan. 18.

Morsch, Jesse J., Douglas, Wyo. Hub-mounted wheel wrench. 2,459,672, Jan. 18.

Moseley, Francis L., Osborn, and L. J. Perper, Dayton, Ohio. Direct-current amplifier. 2,459,177, Jan. 18.

Motorola, Inc., assignee: *See*—
Frihart, H. Neil, Jackson, and Williams.
Fyler, George W.
Noble, Daniel E.

Moulton, Ralph W., assignor to Manganese Products, Inc., Seattle, Wash. Preparation of oxides of manganese. 2,459,714, Jan. 18.

Moyer, Frederick D., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Seal for floating roofs. 2,459,178, Jan. 18.

Moyer, Wendell W., assignor to A. E. Staley Manufacturing Company, Decatur, Ill. Flavoring materials. 2,459,574, Jan. 18.

Mueller, Erich O., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Dynamoelectric machine. 2,459,673, Jan. 18.

Mulder, Johannes G. W., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Device comprising a current converting tube. 2,459,284, Jan. 18.

Muller, Carl W.: *See*—
Crane, Carl J., Holloman, Muller, and Stout.

Munroe, David J., and J. C. McAlvay, assignors to Webster Electric Company, Racine, Wis. Variable delivery pump. 2,459,388, Jan. 18.

Murphy, Donard, New York, N. Y. Combination toothbrush and dentifrice receptacle. 2,459,285, Jan. 18.

Murray, Charles W.: *See*—
Tint, Howard, and Murray.

Murray, William M., North Balclutha, New Zealand. Ball-and-socket vehicle coupling. 2,459,448, Jan. 18.

Mussulman, Wayne C.: *See*—
Larson, Roy F., Liggett, and Mussulman.

Nachtman, John S., Beaver, Pa. Continuous tinplate brightening apparatus. 2,459,674, Jan. 18.

National Rubber Machinery Company, assignee: *See*—
De Ghetto, Anslem.

Navy, United States of America, as represented by the Secretary of the, assignee: *See*—
Beyer, Carlton M., and Boise.
Svoboda, Antonin.
Swennes, Benjamin A.
Decker, Josef B.

Negbaur, H., & Co., assignee: *See*—
Negbaur, Harry.

Negbaur, Harry, assignor to H. Negbaur & Co., New York, N. Y. Table lighter. 2,459,238, Jan. 18.

Neher, Harry T.: *See*—
Croxall, Willard J., and Neher.

Neiman, W. T., assignee: *See*—
MacFarland, Allison M.

Nelson, Evan H.: *See*—
Francis, Victor J., and Nelson.

Neumann, George R., St. Clair Shores, and E. F. Farrell, Grosse Pointe Woods, Mich., assignors to Borg-Warner Corporation, Chicago, Ill. Heating device. 2,459,575, Jan. 18.

Newman, Henry B. L., Rockhampton, Queensland, Australia. Pipe coupling. 2,459,389, Jan. 18.

Newman, Lewis T., Memphis, Tenn. Vending apparatus. 2,459,715, Jan. 18.

Niagara Research Corporation, assignee: *See*—
Yeiser, Frank M.

Nichols, Gordon E., assignor to Winthrop-Atkins Co., Inc., Middleboro, Mass. Picture mount. 2,459,576, Jan. 18.

Nickelsen, John M., Ann Arbor, and H. W. Emerick, assignors to Monroe Auto Equipment Company, Monroe, Mich. Tire pump connection. 2,459,716, Jan. 18.

Nielsen, Clayton P., Chicago, Ill., assignor to Mid-States Equipment Corporation. Welding apparatus. 2,459,577, Jan. 18.

Noble, Daniel E., Chicago, Ill., assignor to Motorola, Inc. Interference reducing radio receiver. 2,459,675, Jan. 18.

Noble, Sidney H., Harrow Weald, England, assignor to General Electric Company. Glow switch. 2,459,578, Jan. 18.

Noel, Edward B., Cleveland Heights, Ohio, assignor to General Electric Company. Electrode structure. 2,459,579, Jan. 18.

Nordberg, Ernst A., Southport, Conn. Method and apparatus for winding coiled bodies. 2,459,536, Jan. 18.

Norma-Hoffmann Bearings Corporation, assignee: *See*—
Anderson, Warren D.

Oberstadt, Peter B., Wickliffe, Ohio. Dampening devices for shock absorbers and the like. 2,459,537, Jan. 18.

O'Donnell, Robert T., Montclair, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Manufacture of 2,3-dichlorobutadiene-1,3. 2,459,760, Jan. 18.

Ohio Brass Company, The, assignee: *See*—
Matthes, Samuel S.

Ohlbaum, Samuel B.: *See*—
Macy, Donald.

Oleen, Olof H., St. Helens, Oreg. Animal trap. 2,459,580, Jan. 18.

Oliver, Eugene H., Baytown, and C. F. Van Berg, Goose Creek, Tex., assignors, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Catalytic dehydrogenation of olefinic hydrocarbons while maintaining the potassium content of the catalyst. 2,459,449, Jan. 18.

Oliver United Filters Incorporated, assignee: *See*—
Herbert, Elmer H.

Olson, Harry A., Park Ridge, assignor to Micarta Fabricators, Inc., Chicago, Ill. Socket terminal mounting. 2,459,390, Jan. 18.

Oppenheimer, Franz: *See*—
Levinson, Sidney O., and Oppenheimer.

Orthopedic Frame Company, assignee: *See*—
Treace, Harry T.

Oswald, Frank G., assignor to Hercules Powder Company, Wilmington, Del. Resinous mixed esters containing a pentaerythritol. 2,459,581, Jan. 18.

Otis, Samuel S., Winnetka, Ill. Knife rack and edger. 2,459,391, Jan. 18.

Owen, William F., Daytona Beach, Fla. Nonrefillable bottle. 2,459,450, Jan. 18.

Packie, John W., Green Village, and E. M. Glazier, Elizabeth, N. J., assignors to Standard Oil Development Company. Butadiene extraction. 2,459,451, Jan. 18.

Paden, Joseph H.: *See*—
MacKay, Johnstone S., and Paden.

Pakala, William E., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Vapor electric device. 2,459,582, Jan. 18.

Pako Corporation, assignee: *See*—
Dye, Glen M., Maddock, Sardeson, and Savela.

Palmer, Henry F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Butadiene-styrene copolymer tackified with oxidized isoprene polymer. 2,459,761, Jan. 18.

Palmqvist, Fredrik T. E.: *See*—
Engel, Bruno K., and Palmqvist.

Parke, Davis & Company, assignee: *See*—
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.

Parker Appliance Company, The, assignee: *See*—
Hartley, Emmett C.
Melichar, Joseph F.
Wolfram, John N.

Pass, Sam: *See*—
Lenz, Lionel C.

Passino, Herbert J., Englewood, assignor to The M. W. Kellogg Company, Jersey City, N. J. Alkylation in the presence of a double fluoride catalyst. 2,459,776, Jan. 18.

Patterson, Edgar W., and C. D. Spracher, Downey, Calif.; said Spracher assignor to said Patterson. Pumping air in air balanced pumping units. 2,459,334, Jan. 18.

Payne, Herbert, New York, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Fault detector for transmission lines. 2,459,239, Jan. 18.

Pell, Eric: *See*—
Hunter, Richard B., and Pell.

People in the territory of the United States, Dedicated to the free use of the: *See*—
Stamm, Alfred J.

Permanente Metals Corporation, The, assignee: *See*—
Coates, Geoffery E.

Perper, Lloyd J.: *See*—
Moseley, Francis L., and Perper.

Perry, George L.: *See*—
Barnum, Emmett R., and Perry.

Perry, George L., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Organic lubricant composition. 2,459,717, Jan. 18.

Peter, Gustave C., Wauwatosa, Wis. Combustion apparatus. 2,459,583, Jan. 18.

Peters-Dalton, Inc., assignee: *See*—
Fenn, Orrin E.

Pharo, Lee C., assignor to Johnson's Company, Thetford Mines, West Quebec, Canada. Asbestos fiberizing. 2,459,240, Jan. 18.

Philco Corporation, assignee: *See*—
Bell, Richard A.
Bradley, William E.
Buffington, Alan P.
West, William P.

Phillips Petroleum Company, assignee: *See*—
Kerr, Arthur N.
Upham, John D.

Photo-Positive Corporation, assignee: *See*—
Crouse, George B.

Pirz, Joseph J., Flushing, N. Y. Concrete wall form. 2,459,719, Jan. 18.

Poltorak, Emil J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Folded fabric gasket and manufacture. 2,459,720, Jan. 18.

Poltorak, Emil J., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Manufacturing gaskets. 2,459,721, Jan. 18.

Polymer Corporation, The, assignee: *See*—
Stott, Louis L.

Pope, Oscar C., Petaluma, Calif. Holding attachment in coffins or the like. 2,459,335, Jan. 18.

Powell, Paul R., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Collapsible reel. 2,459,336, Jan. 18.

Power, Augustine, New York, N. Y. Stippler. 2,459,392, Jan. 18.

Prakke, Frits: *See*—
van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.

Press Wireless, Inc., assignee: *See*—
Bartlett, Forrest A.

Pressitte Engineering Company, The, assignee: *See*—
Ferguson, William C., Sussenbach, and Limn.

Prettyman, Irven B., and G. P. Bosomworth, Akron, and D. C. Milner, Barberton, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Cord testing apparatus. 2,459,738, Jan. 18.

Price, Edison A., assignor to Display Lighting Incorporated, New York, N. Y. Boom light. 2,459,722, Jan. 18.

Quan, Herbert Q., Los Angeles, Calif. Fountain pen. 2,459,584, Jan. 18.

Rabezzana, Hector, Flint, Mich., and F. J. Wiegand, Ridgewood, N. J., assignors to General Motors Corporation, Detroit, Mich. Combination spark plug and fuel injector. 2,459,286, Jan. 18.

Radcliffe, Milton R., Glen Rock, N. J., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Heat stabilization of vinylidene chloride resins. 2,459,746, Jan. 18.

Raden, David J.: *See*—
Comn, Owen T., and Raden.

Radio Corporation of America, assignee: *See*—
Beanland, Charles P.
Bond, Donald S.
Brown, George H.
Engstrom, Ralph W.
Greig, Harold G.
Hansell, Clarence W.
McCown, William E.
McDonald, Joseph F.
Sanders, Royden C., Jr.
Shankweiler, Ray G., and Blits.
Shenk, Eugene E.
Useelman, George L.
Wolff, Irving, and Herbst.

Rafter, John R., Sharon, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Adhesion of rubber to magnesium. 2,459,744, Jan. 18.

Ranco Incorporated, assignee: *See*—
Raney, Estel C.

Raney, Estel C., Delaware, assignor to Ranco Incorporated, Columbus, Ohio. Liquid cooler including control apparatus for limiting ice formation thereon. 2,459,337, Jan. 18.

Raniville, Francis F., assignor to Ton-Tex Corporation, Grand Rapids, Mich. V-belt tensioning clamp. 2,459,393, Jan. 18.

Rawlins, Albert L., Grosse Pointe Woods, W. F. Holcomb, Detroit, E. M. Jones, Grosse Pointe Woods, F. H. Tendick, Grosse Pointe Park, and J. H. Burckhalter, assignors to Parke, Davis & Company, Detroit, Mich. Amino methyl phenols. 2,459,338, Jan. 18.

Rawlins, Herbert L.: *See*—
Sandin, Jerome, Kraft, and Rawlins.

Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for operating upon shoe soles. 2,459,179, Jan. 18.

Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for beveling soles. 2,459,339, Jan. 18.

Raytheon Manufacturing Company, assignee: *See*—
England, John H.
Spencer, Percy L.
Stutsman, Paul W.

Reeves, James B., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electronic energy conversion and control system. 2,459,340, Jan. 18.

Reid, Robert J.: *See*—
Groten, Frank J., and Reid.

Reiner, Kenneth, Los Angeles, and A. Braga, Eagle Rock, Calif.; said Braga assignor to said Reiner. Clamp. 2,459,452, Jan. 18.

Renniks Company, assignee: *See*—
Kasten, Walter.
Kellogg, Warren C., and Hanshaw.

Republic Flow Meters Company, assignee: *See*—
Rosenberger, Albert J.

Reznicek, Antone F.: *See*—
Wilson, Robert F., and Reznicek.

Richter, Johan C. F. C., Oslo, Norway, assignor to Aktiebolaget Kamyr, Karlstad, Sweden. Apparatus for charging fibrous material into a digester. 2,459,180, Jan. 18.

Rieber, William K., Los Angeles, Calif. Expanding arbor. 2,459,453, Jan. 18.

Riley Stoker Corporation, assignee: *See*—
Smith, Eric C., and Johnson.

Risselt, Frank C., assignor to J. M. Risselt, Cincinnati, Ohio. Air relief valve for heating systems. 2,459,241, Jan. 18.

Risselt, Josephine M.: *See*—
Risselt, Frank C.

Robbins, Charles F., assignor to Markem Machine Company, Keene, N. H. Machine for marking on cylindrical articles. 2,459,538, Jan. 18.

Robbins, Sam E., and F. L. Larson, Seattle, Wash. Releasable weight. 2,459,287, Jan. 18.

Robbins, Sam E., and F. L. Larson, Seattle, Wash. Releasable hook means for fish lure. 2,459,288, Jan. 18.

Robertshaw-Fulton Controls Company, assignee: *See*—
Weber, Victor.

Robey, Richard F., Cranford, N. J., assignor to Standard Oil Development Company. Concentration of piperylene. 2,459,454, Jan. 18.

Robinson, Liddell G., Corcoran, Calif. Rotary dies. 2,459,585, Jan. 18.

Robinson, Melvin A., Washington, D. C. Detachable shoe cleat. 2,459,455, Jan. 18.

Rochow, Eugene G., Schenectady, N. Y., assignor to General Electric Company. Preparation of alkyl-substituted halogenosilanes. 2,459,539, Jan. 18.

Rockwell, Edward A., Cleveland, Ohio. Fluid pressure valve. 2,459,456, Jan. 18.

Rodfak Manufacturing Co., assignee: *See*—
Hamilton, Roy C., and Rothchild.

Roebling's, John A., Sons Company, assignee: *See*—
Lewis, Dartrey.

Roehrich, Victor H., St. Paul, Minn. Basic aluminum salt solutions. 2,459,289, Jan. 18.

Röhm & Haas Company, assignee: *See*—
Croxall, Willard J., and Neher.

Rolls-Royce Limited, assignee: *See*—
Bradbury, Tennyson F.

Rosen, Milton W., and C. H. Hoeppner, Washington, D. C. Gate suppressing linear response amplifier. 2,459,181, Jan. 18.

Rosenberger, Albert J., assignor to Republic Flow Meters Company, Chicago, Ill. Density measuring apparatus. 2,459,542, Jan. 18.

Rosenwald, Robert H., Western Spring, assignor to Universal Oil Products Company, Chicago, Ill. Separation of alkyl-alkoxyphenol mixtures. 2,459,540, Jan. 18.

Ross, Josiah, Sunnyside, Long Island, N. Y. Grenade mortar and adapter. 2,459,182, Jan. 18.

Ross, Malcolm D., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rotor ventilation for turbogenerators. 2,459,586, Jan. 18.

Roth, Frank F., Jr., Philadelphia, Pa. Fixture for hardening dies. 2,459,183, Jan. 18.

Rothchild, Edward S.: *See*—
Hamilton, Roy C., and Rothchild.

Rothe, Frank, Niagara Falls, N. Y., assignor to The Linde Air Products Company. Blanketed electric welding with a fusible trough to support the comminuted mineral composition above the bottom of the welding zone. 2,459,242, Jan. 18.

Rosner, Joseph J., assignor to Aetna Ball & Roller Bearing Company, Chicago, Ill. Pulley block and bearing assembly. 2,459,290, Jan. 18.

Ruffino, Gabriel, assignor of one-half to A. Magallon, Los Angeles, Calif. Harmonica. 2,459,184, Jan. 18.

Rulka, Alexander S.: *See*—
McDougal, Taine G., Schwartzwalder, and Rulka.

Russ, Richard B.: *See*—
Halstead, Gerald G., and Russ.

Russell, Alfred R., Grosse Pointe, assignor to The Burkhardt Company, Detroit, Mich. Swivel ring binder. 2,459,541, Jan. 18.

Russell, Valoran, Morton Grove, Ill. Flux meter. 2,459,341, Jan. 18.

Rust, John B.: *See*—
Coon, John M., and Rust.

Sackville, William, Berkeley, Calif., assignor to the United States of America as represented by the Secretary of War. Radiant energy detector. 2,459,185, Jan. 18.

Sagnier, Méropée, Paris, France. Stocking mending machine. 2,459,587, Jan. 18.

St. John, Erastus R., Forest Hills, N. Y. Tower structure. 2,459,198, Jan. 18.

Sanders, Royden C., Jr., Hightstown, N. J., assignor to Radio Corporation of America. Comparator circuits for radio locators. 2,459,457, Jan. 18.

Sandin, Jerome, Pittsburgh, J. K. Kraft, Wilkinsburg, and H. L. Rawlins, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,459,588, Jan. 18.

Sardeson, Robert: *See*—
Dye, Glen M., Maddock, Sardeson, and Savela.

Saslaw, Max R.: *See*—
Cohoe, Wallace P., and Saslaw.

Savela, Edward H.: *See*—
Dye, Glen M., Maddock, Sardeson, and Savela.

Sawtelle, Charles A., Rosedale Gardens, Mich. Liquid pressure brake mechanism. 2,459,394, Jan. 18.

Sawyer, David W.: *See*—
Stillson, Gordon H., and Sawyer.

Schaefer, Ralph A.: *See*—
Luetkemeyer, Henry W., and Schaefer.

Schaelchlin, Walter, and A. J. Winchester, Jr., Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system for multispeed alternating-current motors. 2,459,589, Jan. 18.

Schantz, Joseph D., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Pulse and square wave generator. 2,459,723, Jan. 18.

Schaufelberger, William F., Pleasant Grove, N. J., assignor to Irvington Varnish and Insulator Company. Comminuted drying oil residues. 2,459,342, Jan. 18.

Schelrmann, Raphael, Warren, Ohio, now by change of name Ralph Sherman. Testing and protection of electrical distribution systems. 2,459,186, Jan. 18.

Schick Incorporated, assignee: *See*—
Canham, George E.

Schindler, Carl: *See*—
Kyle, William D., Jr., and Schindler.

Schlegel, Walter L., Jr., assignor to American Steel Foundries, Chicago, Ill. Brake head balancing device. 2,459,776, Jan. 18.

Schlesinger, Kurt, assignor to Columbia Broadcasting System, Inc., New York, N. Y. Deflection circuit for cathode-ray tubes. 2,459,187, Jan. 18.

Schlumberger Well Surveying Corporation, assignee: *See*—
Castel, Jacques H.

Schmerhelm, John F., South Euclid, Ohio, assignor to General Electric Company. Base for an electric device. 2,459,543, Jan. 18.

Schmerling, Louis, Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkyl norcamphanyl ethers. 2,459,544, Jan. 18.

Schmidlein, Joseph A.: *See*—
Jefts, Albert W., and Schmidlein.

Schmitz, Philip J., Sleepy Eye, Minn. Trailer tow-pole and hitch. 2,459,458, Jan. 18.

Schneider, George, Montclair, N. J., and A. J. Steinberger, Jamaica, N. Y., assignors to Celanese Corporation of America. Manufacture of shaped textile materials. 2,459,291, Jan. 18.

Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Life line. 2,459,545, Jan. 18.

Schultz, George H., Elmsford, N. Y. Ductor roller control for printing presses. 2,459,188, Jan. 18.

Schults, George H., Elmsford, N. Y. Ductor roller control for printing presses. 2,459,189, Jan. 18.

Schwartz, Max W., New Castle, Pa. Refrigerated display cabinet. 2,459,243, Jan. 18.

Schwartzwalder, Karl: *See*—
McDougal, Taine G., Schwartzwalder, and Rulka.

Screw Conveyor Corporation, assignee: *See*—
Escher, Edward P.

Scrivener, Arthur, Birmingham, England. Automatically removing ferrous and other particles from liquid. 2,459,343, Jan. 18.

Seaman, Elliston P., Williamsport, Pa. Self-emptying ash tray for automobiles. 2,459,459, Jan. 18.

Seeger, Nelson V.: *See*—
Lichty, Joy G., and Seeger.

Seeger Refrigerator Company, assignee: *See*—
De Jarlais, Gordon M.

Segal, Arthur R., Milwaukee, Wis. Case for circle saws. 2,459,460, Jan. 18.

Selden, Irving, Brooklyn, N. Y. Baby bottle holder. 2,459,546, Jan. 18.

Seldin, Herman C., St. Louis County, assignor to Sel-Mor Garment Co. Inc., St. Louis, Mo. Slip. 2,459,590, Jan. 18.

Selgin, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Astatic cathode-ray tube. 2,459,724, Jan. 18.

Sellars, Leonard D., Culver City, Calif. Square lawn sprinkler. 2,459,244, Jan. 18.

Sel-Mor Garment Co. Inc., assignee: *See*—
Seldin, Herman C.

Sepulchre, Fernand, Paris, France. Gas producer. 2,459,344, Jan. 18.

Servel, Inc., assignee: *See*—
Smart, Arthur C.

Seward, Basil E., Elk Point, S. Dak. Tractor hitch pin device. 2,459,245, Jan. 18.

Shankweiler, Ray G., Cranbury, and D. Blits, Princeton, N. J., assignors to Radio Corporation of America. Frequency modulation distance indicator. 2,459,461, Jan. 18.

Shannon, Jack F.: *See*—
Dickey, Paul S., and Shannon.

Sharp & Dohme, Incorporated, assignee: *See*—
Cope, Arthur C.

Shasta Volcolite Company, assignee: *See*—
Cantrall, Forrest L., and Carlisle.

Shaw, Gail L., and R. G. Jones, assignors to Eli Lilly and Company, Indianapolis, Ind. Making quinacrine. 2,459,777, Jan. 18.

Shell Development Company, assignee: *See*—
Ballard, Seaver A., and Geyer.
Barnum, Emmett R., and Perry.
Perry, George L.

Shenk, Eugene R., Brooklyn, N. Y., assignor to Radio Corporation of America. Two-tone keyer. 2,459,462, Jan. 18.

Sherbondy, William A., Shaker Heights, Ohio. Holder for carfare tokens. 2,459,292, Jan. 18.

Sherman, Ralph, by change of name: *See*—
Schelrmann, Raphael.

Shonnard, John R., assignor to Times Facsimile Corporation, New York, N. Y. Signal generator or modulator. 2,459,293, Jan. 18.

Shuart, Arthur C., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator latch. 2,459,190, Jan. 18.

Shumaker, Lawrence E., and H. G. Davis, assignors to Eversman Mfg. Co., Denver, Colo. Land leveling machine. 2,459,591, Jan. 18.

Sidwell, Webster S., assignor to Evertite Roof Corporation, Los Angeles, Calif. Shingle dipping machine. 2,459,294, Jan. 18.

Signaigo, Frank K., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose oxazolidone ethers and making same. 2,459,547, Jan. 18.

Simplex Time Recorder Co., assignee: *See*—
Mentor, Eugene L.

Simpson, George L., Coraopolis Heights, assignor to Delaware Engineering Corporation, Pittsburgh, Pa. Gas treating method and apparatus. 2,459,463, Jan. 18.

Sinclair, Orie L., Wilmington, Calif. Bottle support. 2,459,246, Jan. 18.

Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Corn germ removal. 2,459,548, Jan. 18.

Sisson, Wayne A., Silverside, assignor to American Viscose Corporation, Wilmington, Del. Drying fibrous material. 2,459,345, Jan. 18.

Skold, John F., Chicago, Ill. Combined container and holder for blocklike articles. 2,459,247, Jan. 18.

Skoog, Per F., Olympia, Wash. Apparatus for the flow manufacture of sheet material. 2,459,295, Jan. 18.

Skromme, Arnold B., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Molded rubber traction chain. 2,459,751, Jan. 18.

Slagle, Kenneth H., Mount Lebanon, and R. S. Bowman, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Separation of pyridine bases. 2,459,191, Jan. 18.

Slagle, Kenneth H., Mount Lebanon, and R. S. Bowman, assignors to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Concentration of beta-picoline. 2,459,192, Jan. 18.

Slavin, Robert H., Dayton, Ohio. Shoe tree. 2,459,592, Jan. 18.

Sloan, David H., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Feed-back system for electronic tubes comprising hollow body resonators. 2,459,593, Jan. 18.

Smith, Allen S., Ann Arbor, Mich., assignor to Blaw-Knox Company, Pittsburgh, Pa. Detoxification of cyanide-containing industrial waste liquors. 2,459,464, Jan. 18.

Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,459,395, Jan. 18.

Smith, Emil L.: *See*—
Gerlough, Tillman D., and Smith.

Smith, Eric H., and O. A. Johnson, assignors to Riley Stoker Corporation, Worcester, Mass. Rejector-blade wear-compensating-ring for discharge of rotary beater mill. 2,459,248, Jan. 18.

Smith, George E. P., Jr., and E. L. Carr, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Thiazyl sulfenamides. 2,459,736, Jan. 18.

Smith, J. L., Birmingham, Ala. Fishing rod holder. 2,459,549, Jan. 18.

Smith, Jay W., assignor to Chris-Craft Corporation, Algonac, Mich. Manifold for two-cycle crankcase compression engines. 2,459,594, Jan. 18.

Smith, Lee B.: *See*—
Calfee, John D., and Smith.

Smith, Lucian B., Flint, assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,459,297, Jan. 18.

Smith, Thomas Q., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Camelback material. 2,459,757, Jan. 18.

Smith, Warren M., Baton Rouge, La., assignor to Standart Oil Development Company. Two-stage hydrogenation treatment for hydrocarbon oils. 2,459,465, Jan. 18.

Smith, Willis E., Springfield, Oreg. Filler gun. 2,459,296, Jan. 18.

Snyder, Frederick D., Milton, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Balanced loom operation. 2,459,595, Jan. 18.

Societe d' Etudes et de Realisation des Brevets Descombes, assignee: *See*—
Descombes, Julien A.

Solana, Carlos G., Brooklyn, and J. Casingena, assignors to H. B. Lerine, New York, N. Y. Flocking device. 2,459,396, Jan. 18.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Composite sequence filters for current-circuits. 2,459,596, Jan. 18.

Soundscriber Corporation, The: *See*—
Anderson, Arthur L., and Burns.

Sparklin, Charles H., Chicago, Ill., assignor to Birtman Electric Company. Suction cleaner dust chamber having a movable wall therefor. 2,459,194, Jan. 18.

Sparks, George R., Asbury Park, and C. G. Killen, Jr., Wanamassa, N. J. Container. 2,459,193, Jan. 18.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,459,195, Jan. 18.

Sperry Corporation, The, assignee: *See*—
Bates, Mortimer F.
Thomas, Thomas R.

Sperry, Russell L., Glendora, Calif., assignor to American Cyanamid Company, New York, N. Y. Preparation of di(hydroxy methyl) dithiobiuret. 2,459,725, Jan. 18.

Spiegel, Martin: *See*—
Lange, Morris, and Spiegel.

Spracher, Clifford D.: *See*—
Patterson, Edgar W., and Spracher.

Spreen, Charles C., Detroit, assignor to R. W. Lewis, Walled Lake, Mich. Measuring scoop or ladle. 2,459,466, Jan. 18.

Spurlin, Harold M.: *See*—
Johnson, Harold E., and Spurlin.

Squibb, E. R., & Sons, assignee: *See*—
Gerlough, Tillman D., and Smith.

Staley, A. E., Manufacturing Company, assignee: *See*—
Larson, Roy F., Liggett, and Mussulman.
Moyer, Wendell W.

Stamberger, Paul, Stamford, Conn. Plastic compositions made with vulcanized, polyethylene glycol esters as plasticizers. 2,459,298, Jan. 18.

Stamm, Alfred J., Madison, Wis.; dedicated to the free use of the people in the territory of the United States. Destructive distillation of solids in a liquid bath. 2,459,550, Jan. 18.

Standard Oil Development Company, assignee: *See*—
Ahrens, George L.
Anderson, James A., Jr.
Brandon, Richard C.
Carrier, Egbert W.
Hemminger, Charles E.
Lieber, Eugene, and Cashman.
Main, Thomas C.
Oliver, Eugene H., and Van Berg.
Packie, John W., and Glazier.
Robey, Richard F.
Smith, Warren M.
Welty, Albert B., Jr., and Holder.
Zimmer, John C., and Beerbower.

Stanolind Oil and Gas Company, assignee: *See*—
Elkins, Lincoln F.

Steinberger, Alfred J.: *See*—
Schneider, George, and Steinberger.

Steinitz, Stephan, New York, N. Y., assignor to Ward Leonard Electric Company. Voltage and phase control. 2,459,551, Jan. 18.

Stephens-Adamson Mfg. Co., assignee: *See*—
Moore, Chester C., and King.

Sternad, Joseph J., Cleveland, Ohio. Tricycle cart. 2,459,249, Jan. 18.

Stewart, Chandler, Jr., Dayton, Ohio, assignor to the United States of America as represented by the Secretary of War. Method of measuring characteristic impedances of fitting for coaxial connectors. 2,459,197, Jan. 18.

Stewart, William H., Beaumont, Tex., assignor to Sun Oil Company, Philadelphia, Pa. Electrical logging method and apparatus. 2,459,196, Jan. 18.

Stillson, Gordon H., Oakmont, and D. W. Sawyer, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Di-alkylated mono-hydroxy phenol. 2,459,597, Jan. 18.

Stillwagon, Crawford K., assignor to Well Equipment Mfg. Corp., Houston, Tex. Double seal flange union. 2,459,250, Jan. 18.

Stillwagon, Crawford K., assignor to Well Equipment Mfg. Corp., Houston, Tex. Threadless pipe coupling. 2,459,251, Jan. 18.

Stoner, Justus S., El Cajon, and A. H. Luitjens, San Diego, Calif. Apparatus for producing photographic multiple copies. 2,459,552, Jan. 18.

Story, Edward B.: *See*—
White, Frederick W., and Story.

Stott, Louis L., assignor to The Polymer Corporation, Reading, Pa. Bearing. 2,459,598, Jan. 18.

Stout, Raymond K.: *See*—
Crane, Carl J., Holloman, Muller, and Stout.

Strahan, Charles J., Milton, Pa. Rolled toilet paper cabinet and dispenser. 2,459,262, Jan. 18.

Straub, Fritz, Kaiseraugst, near Basel, and J. Brassel, assignors to Ciba Limited, Basel, Switzerland. Polyazo benzidine dyes. 2,459,467, Jan. 18.

Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,459,599, Jan. 18.

Strom, Albert P., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Compressed gas circuit interrupter. 2,459,600, Jan. 18.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Arc discharge device. 2,459,199, Jan. 18.

Sullivan, Earle C., Bridgeport, Conn., assignor to General Electric Company. Safety and relief valve. 2,459,553, Jan. 18.

Sun Oil Company, assignee: *See*—
Lipkin, Moses R.
Stewart, William H.

Sunbeam Corporation, assignee: *See*—
Koci, Ludvik J.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation. Accounting machine. 2,459,468, Jan. 18.

Sundstrand, Oscar J., West Hartford, Conn., assignor to Underwood Corporation, New York, N. Y. Typewriting and accounting machine. 2,459,469, Jan. 18.

Sunroc Refrigeration Company, assignee: *See*—
Morrison, Samuel O.

Superior Funeral Supply Corporation, assignee: *See*—
Lange, Morris, and Spiegel.

Superior Machine and Engineering Company, assignee: *See*—
Hallead, Mervil.

Sussenbach, Paul: *See*—
Ferguson, William C., Sussenbach, and Limn.

Svoboda, Antonin, Cambridge, Mass., assignor, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Computing linkage. 2,459,726, Jan. 18.

Swank, Inc., assignee: *See*—
Howard, Viola T.

Swennes, Benjamin A., Rockford, Ill., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of the Navy. Motor vehicle fuel tank. 2,459,470, Jan. 18.

Swift, Clifford L.: *See*—
Carnagua, Harold E., and Swift.

Swift & Company, assignee: *See*—
Coffin, Owen T., and Raden.

Szyper, Charles: *See*—
Mihalek, Emery, and Szyper.

Tabberer, George: *See*—
Graham, Douglas H., Forsling, and Tabberer.

Teague, Walter D., Jr., Alpine, N. J., and R. H. Ensign, New York, N. Y., assignors to U. S. Slicing Machine Company, La Porte, Ind. Control apparatus for carriage drives for reciprocating carriage slicing machines. 2,459,200, Jan. 18.

Tebbetts, Eugene L., Holliston, assignor of one-half to H. E. Cole, Boston, Mass. Cranberry picking machine. 2,459,471, Jan. 18.

Teitel, Sidney: *See*—
Goldberg, Moses W., and Teitel.

Tendick, Frank H.: *See*—
Rawlins, Albert L., Holcomb, Jones, Tendick, and Burckhalter.

Texas Company, The, assignee: *See*—
Fenney, William N.

Thomas, Thomas R., Baldwin, N. Y., assignor to The Sperry Corporation. Junction seal apparatus. 2,459,201, Jan. 18.

Thompson, Donald C., Roanoke, Va., assignor to American Viscose Corporation, Wilmington, Del. Lock lid for box compartments. 2,459,346, Jan. 18.

Thompson, Gerard A., assignee: *See*—
Boyd, George T. and H. T.

Thor, Clifford J. B.: *See*—
Beal, Keith F., and Thor.

Thorson, Roy M., Richmond, Calif. Parking indicator. 2,459,202, Jan. 18.

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Amino aliphatic guanamines. 2,459,397, Jan. 18.

Tillery, Hubert B., Kansas City, Mo. Bulk ice-cream container. 2,459,727, Jan. 18.

Tillery, Hubert B., Kansas City, Mo. Bulk ice-cream container. 2,459,728, Jan. 18.

Times Facsimile Corporation, assignee: *See*—
Shonnard, John R.

Tint, Howard, and C. W. Murray, Salinas, Calif., assignors to United States of America as represented by the Secretary of Agriculture. Extracting rubber from plants. 2,459,369, Jan. 18.

Tiritilli, John P., and T. L. Jones, Chicago, Ill. Infant's collapsible and portable chair. 2,459,601, Jan. 18.

Tolman, Charles P., Kew Gardens, N. Y., assignor to Differential Wheel Corporation, Detroit, Mich. Dual wheel assembly. 2,459,347, Jan. 18.

Tomko, Stephen V., McKeesport, Pa. Drawing scale. 2,459,554, Jan. 18.

Ton-Tex Corporation, assignee: *See*—
Raniville, Francis F.

Tossas, Raymond J., New York, N. Y. Luminescent maraca. 2,459,555, Jan. 18.

Towne, Edmund B.: *See*—
Coover, Harry W., Dickey, and Towne.

Trailmobile Company, The, assignee: *See*—
Black, James J.

Trainer, James E., and S. W. Alderfer, assignors of one-half to The Firestone Tire & Rubber Company, and one-half to The Andrews-Alderfer Processing Co. Inc., Akron, Ohio. Fire extinguisher. 2,459,743, Jan. 18.

Treace, Harry T., assignor to Orthopedic Frame Company, Kalamazoo, Mich. Surgical table. 2,459,729, Jan. 18.

Tremolada, Guglielmo R., assignor to Emsco Derrick & Equipment Company, Los Angeles, Calif. Rotary swivel. 2,459,472, Jan. 18.

Troutman, Lester L., El Monte, Calif. Self-loading automotive truck. 2,459,473, Jan. 18.

Tung-Sol Lamp Works Inc., assignee: *See*—
Curtis, Lorin W.

Tyrner, Joseph M., assignor to Air Reduction Company, Incorporated, New York, N. Y. Reproducing apparatus. 2,459,253, Jan. 18.

Ulman, Lynn J., Baltimore, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit for stabilizing focus of magnetically focused cathode-ray tubes. 2,459,602, Jan. 18.

Underwood Corporation, assignee: *See*—
Lippert, Walter E.
Sundstrand, Oscar J.

Union Oil Company of California, assignee: *See*—
Doumani, Thomas F., Coe, and Attane, Jr.

Union Steel Chest Corporation, assignee: *See*—
Yawman, Harvey H.

United Aircraft Products, Inc., assignee: *See*—
Booth, Harry T.

United-Carr Fastener Corporation, assignee: *See*—
Churchill, Wilmer H.

United Shoe Machinery Corporation, assignee: *See*—
Cole, Frank E., Goodhue, and Heeley.
Goodhue, William V.
Ray, Eugene J.

U. S. Slicing Machine Company, assignee: *See*—
Teague, Walter D., Jr., and Ensign.

Universal Oil Products Company, assignee: *See*—
Jones, Edwin K.
Kanhofer, Elmer R.
Rosenwald, Robert H.
Schmerling, Louis.

Upham, John D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Process utilizing moving solid catalyst. 2,459,474, Jan. 18.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Angular velocity modulation. 2,459,556, Jan. 18.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Wave length modulation. 2,459,557, Jan. 18.

Vahrenkamp, George J., Rolla, Mo., assignor to the United States of America as represented by the Secretary of the Interior. Production of shaped articles from fluorite. 2,459,203, Jan. 18.

Van Almelo, Fred K., Nassau, N. Y. Differential pressure fluid servomotor. 2,459,475, Jan. 18.

Van Berg, Charles F.: *See*—
Oliver, Eugene H., and Van Berg.

Van Camp, Marguerite P.: *See*—
McFarland, Joseph L., and Van Camp.

Van der Mei, Anne, Arnhem, Netherlands, assignor to American Enka Corporation, Enka, N. C. Process and apparatus for threading up continuous spinning machines. 2,459,254, Jan. 18.

Van Liempt, Johannes A. M., F. Prakke, H. J. Landsbergen, and J. H. M. van Uden, Eindhoven, Netherlands, assignors, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrode spacer. 2,459,476, Jan. 18.

Van Schuyver, John, Los Angeles, Calif. Valve coupling. 2,459,477, Jan. 18.

Van Uden, Jules H. M.: *See*—
Van Liempt, Johannes A. M., Prakke, Landsbergen, and van Uden.

Van Vleck, Forest A., Placerville, assignor to Food Machinery and Chemical Corporation, San Jose, Calif. Box dumping machine. 2,459,204, Jan. 18.

Vennes, Harald J.: *See*—
Konicek, Frank, and Vennes.

Verkuil, Leo L., Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn. Universal cable-clamping device. 2,459,603, Jan. 18.

Verkuil, Leo L., Tottenville, Staten Island, N. Y., assignor to Edwards and Company, Inc., Norwalk, Conn. Universal cable-clamping device. 2,459,604, Jan. 18.

Villegas de Oribe, Maruja, G. Montevideo, Uruguay. Hygienic protector applicable to drinking vessels for avoiding contamination by the mouth. 2,459,558, Jan. 18.

Visking Corporation, The, assignee: *See*—
Beal, Keith F., and Thor.
Hewitt, Alfred G., and Clement.
McDowall, Robert.

Von Glahn, William, Richmond Hill, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Switching apparatus for fire control systems. 2,459,255, Jan. 18.

Wallace Laboratories, Inc., assignee: *See*—
Lee, Slaughter W.

Walters, Wyeth C., assignor to CCA Products Engineering Company, Glendale, Calif. Compressed air treatment device. 2,459,398, Jan. 18.

War, United States of America, as represented by The Secretary of, assignee: *See*—
Hickman, Clarence N.
Moore, Wiley T.
Sackville, William.
Stewart, Chandler, Jr.

Ward, Alfred H.: *See*—
Harris, Arch W., and Ward.

Warner Aircraft Corporation, The, assignee: *See*—
Majneri, Ludwig A.

Warnken, Elmer, Colerain Township, Hamilton County, Ohio. Induction coil. 2,459,605, Jan. 18.

Warren, S. D., Company, assignee: *See*—
Bicknell, John A.

Warrick, Earl L.: *See*—
McGregor, Rob R., and Warrick.

Waters, Herbert H., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Processing rubber compound. 2,459,745, Jan. 18.

Watkins, Robert E., Kansas City, Mo. Golf putting target. 2,459,559, Jan. 18.

Watson, Kenneth J., North Hollywood, Calif. Vehicle. 2,459,478, Jan. 18.

Webb, Charles V.: *See*—
Webb, Richard and C. V.

Webb, Richard and C. V., Los Angeles, Calif. Shoe fastener. 2,459,348, Jan. 18.

Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Motor control system with latching relays. 2,459,349, Jan. 18.

Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Automatic reversing control for electric motors. 2,459,350, Jan. 18.

Webster Electric Company, assignee: *See*—
Munroe, David J., and McAlvay.

Weincord, Maurice, Chicago, Ill. Illuminated test device. 2,459,351, Jan. 18.

Weinland, Clarence E., assignor to General Tire and Rubber Company of California, Pasadena, Calif. Split-phase motor reversing circuit. 2,459,479, Jan. 18.

Well Equipment Mfg. Corp., assignee: *See*—
Stillwagon, Crawford K.

Wells, Lee A., and C. A. Halbkat, Houston, Tex. Mold for making plastic artificial eyes. 2,459,205, Jan. 18.

Welty, Albert B., Jr., Mountainside, and C. H. Holder, Cranford, N. J., assignors to Standard Oil Development Company. Conditioning a catalyst for use in hydroforming of naphthas. 2,459,480, Jan. 18.

West, William P., assignor to Philco Corporation, Philadelphia, Pa. Magnetic transducer with separable pole faces. 2,459,299, Jan. 18.

Western Electric Company, Incorporated, assignee: *See*—
Henning, George E., and Lewis.
Konicek, Frank, and Vennes.
Powell, Paul R.

Westinghouse Electric Corporation, assignee: *See*—
Baker, Benjamin P.
Buchanan, Lloyd W.
Burgwin, Stephen L.
Cartier, Harold E.
Collins, Thomas K., Jr.
Dorfman, Hillier D., and Freese.
Duncan, Charles S.
Eames, William F.
Fox, Roy C., and Massey.
Goldsborough, Shirley L.
Griscom, Samuel B., and Witzke.
Keyes, John J.
King, George E., and Fisher.
Langer, Bernard F., and Godsey.
Mahnke, Kurt.
Mason, Ruric C.
McCloy, Graham S.
McNall, John W.
Mershon, Clarence L.
Mueller, Erich O.
Pakala, William E.
Ross, Malcolm D.
Sandin, Jerome, Kraft, and Rawlins.
Schaelchlin, Walter, and Winchester.
Sloan, David H.
Snyder, Frederick D.
Sonnemann, William K.
Strom, Albert P.
Ulman, Lynn J.
Witzke, Raymond L.

Wheeler, Phillip Rood, Alexandria, Va. Cathode-ray tube gunsight. 2,459,206, Jan. 18.

Wheeling Steel Corporation, assignee: *See*—
Copp, Warren F.

White, Frederick W., New Brighton, and E. B. Story, Bethel Township, Allegheny County, assignors to A. M. Byers Company, Pittsburgh, Pa. Desulfurizing molten ferrous metal. 2,459,256, Jan. 18.

Wiegand, Francis J.: *See*—
Rabezzana, Hector, and Wiegand.

Wight, Sedgwick N., and O. S. Field, assignors to General Railway Signal Company, Rochester, N. Y. Airways traffic control system. 2,459,399, Jan. 18.

Wiitala, Elmer, assignor of 33⅓% to R. Wiitala and 33⅓% to L. Mannila, Kaleva, Mich. Fishing device. 2,459,401, Jan. 18.

Wiitala, Reino, assignee: *See*—
Wiitala, Elmer.

Wilkinson, Francis C.: *See*—
Kretsaler, Earl E., and Wilkinson.

Williams, Albert J., Jr., assignor to Leeds and Northrup Company, Philadelphia, Pa. Measuring system with capacitor having characteristics of an infinite capacity. 2,459,730, Jan. 18.

Williams, Frederick B.: *See*—
Frihart, H. Nell, Jackson, and Williams.

Williams, Gertrude C., Cleveland, Ohio. Leg warmer bag. 2,459,352, Jan. 18.

Williams, John C. E., Englewood, N. J., assignor to Wingfoot Corporation, Akron, Ohio. Airplane engine package and packaging the same. 2,459,400, Jan. 18.

Williamson, Oscar C., San Francisco, Calif. Can opener. 2,459,560, Jan. 18.

Wilson, Mitchell: *See*—
Cohoe, Wallace P., and Wilson.

Wilson, Robert F., San Gabriel, and A. F. Reznicek, Alhambra, Calif., assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Fuel-cell construction. 2,459,752, Jan. 18.

Winchester, Amos J., Jr.: *See*—
Schaelchlin, Walter, and Winchester.

Wingfoot Corporation, assignee: *See*—
Lichty, Joy G., and Seeger.
Williams, John C. E.

Wink, Louis H., Leesburg, Fla. Inner tube testing device. 2,459,606, Jan. 18.

Winthrop-Atkins Co., Inc., assignee: *See*—
Nichols, Gordon E.

Winthrop-Stearns Inc., assignee: *See*—
King, John A.

Wisconsin Aluminum Foundry Company, assignee: *See*—
Eck, William.

Witzke, Raymond L.: *See*—
Griscom, Samuel B., and Witzke.

Witzke, Raymond L., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Regulating system. 2,459,607, Jan. 18.

Wolf, Darwin M., Long Beach, Calif. Noisemaking device. 2,459,300, Jan. 18.

Wolff, Irving, and P. J. Herbst, Princeton, N. J., assignors to Radio Corporation of America. Instrument landing system. 2,459,481, Jan. 18.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,459,608, Jan. 18.

Wolfram, John N., assignor to The Parker Appliance Company, Cleveland, Ohio. Coupling for tubes. 2,459,609, Jan. 18.

Wolwin Chair Company, The, assignee: *See*—
Ellsworth, Ralph H.

Wood, Halbert M., Madison, Wis. Chair, table, and desk combination. 2,459,257, Jan. 18.

Woods, Clayton W., Omaha, Nebr. Liquid filter. 2,459,353, Jan. 18.

Smith, Dallas M., Kirkwood, assignor to McQuay-Norris Manufacturing Company, St. Louis, Mo. Piston ring. 2,459,395, Jan. 18.

Steinberger, Alfred J.: *See*—
Schneider, George, and Steinberger.

Woodward, Charles F.: *See*—
Haines, Paul G., Eisner, and Woodward.
Worthington, William W., U. S. Navy, Cornwall Bridge, Conn. Material handling mechanism. 2,459,207, Jan. 18.
Wulfsberg, Paul G., assignor to Collins Radio Company, Cedar Rapids, Iowa. Modulation control system. 2,459,208, Jan. 18.
Wunsch, Benjamin, New York, assignor of one-half to I. Wunsch, Bronx, N. Y. Constructing slippers. 2,459,258, Jan. 18.
Wunsch, Isidor, assignee: *See*—
Wunsch, Benjamin.
Wyeth Incorporated, assignee: *See*—
Bruce, William F.
Wymore, Ralph R., Oberlin, Kans. Automatic tractor and implement hitch. 2,459,731, Jan. 18.
Yawman, Harvey H., assignor to Union Steel Chest Corporation, Le Roy, N. Y. Adjustable and removable compartment and partition forming device for trays. 2,459,561, Jan. 18.
Yeiser, Frank M., assignor, by mesne assignments, to Niagara Research Corporation, Buffalo, N. Y. Purification of native sulfur. 2,459,764, Jan. 18.
Zadina, Arthur F., Long Island City, N. Y. Golf shoe spike or calk. 2,459,610, Jan. 18.
Zagwyn, Theodore K., Waltham, and P. R. Kosting, Belmont, Mass. Treating vitreous fused silica. 2,459,209, Jan. 18.
Zahn, Eric H., Pound Ridge, N. Y., assignor to Austenal Laboratories, Incorporated, New York, N. Y. Mold. 2,459,402, Jan. 18.
Zapor, Emil G.: *See*—
Bradford, William O., and Zapor.
Zenith Radio Corporation, assignee: *See*—
Knowles, Hugh S.
Zimmer, John C., Union, and Alan Beerbower, Westfield, N. J., assignors to Standard Oil Development Company. Determining the apparent viscosity of a grease. 2,459,483, Jan. 18.
Zurn, J. A., Mfg. Co., assignee: *See*—
Kennedy, Thomas A.
Zweidler, Reinhard: *See*—
Keller, Ernst, and Zweidler.

LIST OF DESIGN INVENTIONS

Alphabet for forming monograms or the like. M. Chernow. 152,395, Jan. 18.
Antenna and support therefor, Combined. S. Ludwig and R. R. Cull. 152,429, Jan. 18.
Ash tray. J. B. Stier. 152,439–40, Jan. 18.
Automobile. V. M. Exner. 152,400, Jan. 18.
Bell, Bicycle. W. N. Hill. 152,418, Jan. 18.
Bicycle. M. Mennesson. 152,430, Jan. 18.
Binocular or the like. W. T. Perkins. 152,432, Jan. 18.
Boat. C. A. Ward. 152,444, Jan. 18.
Bottle. J. Payne. 152,431, Jan. 18.
Brooch or similar article. C. Arpels. 152,388, Jan. 18.
Bumper and automobile grille, Combined. H. A. Darrin. 152,398, Jan. 18.
Cabinet, Combined storage and self-serving. J. H. Lazar. 152,428, Jan. 18.
Case and band, Combined wrist watch. S. B. Glass. 152,417, Jan. 18.
Casing, Parking meter. R. F. Broussard. 152,392, Jan. 18.
Decanter or similar article. J. D. Buckingham. 152,393, Jan. 18.
Dispenser for a paper roll or the like. F. L. Broeren and A. S. Krueger. 152,391, Jan. 18.
Exerciser or similar article, Stomach. J. J. Ceverha. 152,394, Jan. 18.
Faucet with pop-up drain control, Center set lavatory. A. L. Thomssen. 152,442, Jan. 18.
Font of type. J. R. Walker. 152,443, Jan. 18.
Headlight cluster for bicycle. V. Schreckengost. 152,437, Jan. 18.
Horse or similar article, Play. J. D. Kelly. 152,426, Jan. 18.
Lamp, Nursery. E. R. Brenner. 152,390, Jan. 18.
Link, Cuff. V. T. Howard. 152,447, Jan. 18.
Measure, Pupillary millimeter. M. B. Kendis. 152,427, Jan. 18.
Necklace and ear rings or similar article, Combined. M. H. and C. W. Pizzano. 152,434, Jan. 18.
Packaging machine, Vacuum. T. M. Reimers. 152,435, Jan. 18.
Pendant, Jewelry. D. Kasoff. 152,423–5, Jan. 18.
Pin, Jewelry. D. Kasoff. 152,420–2, Jan. 18.
Polisher, Floor. P. W. Johnson. 152,419, Jan. 18.
Rack for microscopic slides or similar article. V. R. Bennett. 152,389, Jan. 18.
Radiator, Electric heating. E. Damond. 152,397, Jan. 18.
Ring. G. S. and E. Cohen. 152,396, Jan. 18.
Sign, Counter. C. L. Dwinell. 152,399, Jan. 18.
Sign for vehicles, Electric advertising. G. M. Pierce. 152,433, Jan. 18.
Spoon or article of similar nature. F. J. Skrastin, Jr. 152,438, Jan. 18.
Standard, Street lighting. A. B. Winters. 152,445–6, Jan. 18.
Tone arm or the like, Phonograph. J. B. Federico. 152,401–16, Jan. 18.
Tub filler with transfer unit for diverting water to shower. A. L. Thomssen. 152,441, Jan. 18.
Umbrella, Drapeable. E. Schreck. 152,436, Jan. 18.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 18TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accounting machine. O. J. Sundstrand. 2,459,468, Jan. 18.
Acetoxy-aliphatic amides. H. S. Davis. 2,459,686, Jan. 18.
Acid treatment of pyranthrone vat dyestuffs. J. F. Cullinan and L. D. Lytle. 2,459,366, Jan. 18.
Acrylic acid, Preparation of. S. A. Ballard and B. P. Geyer. 2,459,677, Jan. 18.
Adapter for boring bars. A. H. Davis. 2,459,416, Jan. 18.
Adjustable soldering iron. A. T. Foster. 2,459,371, Jan. 18.
Adjuster, Hydraulic cam. C. C. Moore and C. F. King, Jr. 2,459,713, Jan. 18.
Advancing reel. W. G. Esmond. 2,459,270, Jan. 18.
Aerial signal. J. B. Decker. 2,459,687, Jan. 18.
Air cleaner. E. N. Jacobi. 2,459,428, Jan. 18.
Airplane engine package and packaging the same. J. C. E. Williams. 2,459,400, Jan. 18.
Airplane landing gear. R. W. Allen. 2,459,737, Jan. 18.
Air treatment device, Compressed. W. C. Walters. 2,459,398, Jan. 18.
Alkyl-alkoxyphenol mixtures, Separation of. R. H. Rosenwald. 2,459,540, Jan. 18.
Alkyl norcamphanyl ethers. L. Schmerling. 2,459,544, Jan. 18.
Alkyl-substituted halogenosilanes, Preparation of. E. G. Rochow. 2,459,539, Jan. 18.
Alkylation in the presence of a double fluoride catalyst. H. J. Passino. 2,459,775, Jan. 18.
Alkylation method and apparatus. W. N. Fenney. 2,459,636, Jan. 18.
Alloy: *See*—
Aluminum copper alloy.
Aluminium copper alloy. T. F. Bradbury. 2,459,492, Jan. 18.
Amides, Preparation of. J. A. King. 2,459,706, Jan. 18.
Amino aliphatic guanamines. J. T. Thurston. 2,459,397, Jan. 18.
Amino groups into cellulose, Introduction of. J. D. Guthrie. 2,459,222, Jan. 18.
Amino methyl phenols. A. L. Rawlins, W. F. Holcomb, E. M. Jones, F. H. Tendick, and J. H. Burckhalter. 2,459,338, Jan. 18.
Amplifier, Direct-current. F. L. Moseley and L. J. Perper. 2,459,177, Jan. 18.
Amplifier, Gate suppressing linear response. M. W. Rosen and C. H. Hoeppner. 2,459,181, Jan. 18.
Animal trap. O. H. Oleen. 2,459,580, Jan. 18.
Anthraquinone compounds. H. W. Coover, J. B. Dickey, and E. B. Towne. 2,459,149, Jan. 18.
Anthrimide carbazole dyestuffs. H. Hauser and M. Bommer. 2,459,424, Jan. 18.
Apparatus for charging fibrous material into a digester. J. C. F. C. Richter. 2,459,180, Jan. 18.
Apparatus for contacting gaseous fluids with solids. C. E. Hemminger. 2,459,425, Jan. 18.
Apparatus for converting heat energy into useful work. H. Milliken. 2,459,447, Jan. 18.
Apparatus for dressing the grinding wheel of an internal grinder. M. Hallead. 2,459,641, Jan. 18.
Apparatus for making infusions. W. Brandl. 2,459,305, Jan. 18.
Apparatus for making spiders for electric lamps. J. Flaws, Jr. 2,459,513, Jan. 18.
Apparatus for producing photographic multiple copies. J. S. Stoner and A. H. Luitjens. 2,459,552, Jan. 18.
Apparatus for taking radiographs. H. H. Hook. 2,459,528, Jan. 18.
Apparatus for testing pressure gauges. W. Eck. 2,459,789, Jan. 18.
Apparatus for the flow manufacture of sheet material. P. F. Skoog. 2,459,295, Jan. 18.
Apparatus for the radiation or reception of electromagnetic waves. E. C. Cork and M. Bowman-Manifold. 2,459,768, Jan. 18.
Applicator and mirror, Combination lip rouge. D. Macy. 2,459,733, Jan. 18.
Aqueous aluminum-casein coating composition, Prolonging the useful life of. J. A. Bicknell. 2,459,408, Jan. 18
Aqueous sulfur composition for the treatment of skin disorders such as acne, Penetrating. S. W. Lee. 2,459,566, Jan. 18.
Arbor, Expanding. W. K. Rieber. 2,459,453, Jan. 18.
Arc discharge device. P. W. Stutsman. 2,459,199, Jan. 18.
Article for reproducing drawings on blanks. G. B. Crouse. 2,459,266, Jan. 18.
Asbestos fiberizing. L. C. Pharo. 2,459,240, Jan. 18.
Ash tray for automobiles, Self-emptying. E. P. Seaman. 2,459,459, Jan. 18.

Assembling apparatus, Article. F. Konicek and H. J. Vennes. 2,459,228, Jan. 18.
Astatic cathode-ray tube. P. J. Selgin. 2,459,724, Jan. 18.
Attachment for ladders, Hoisting. C. L. Cobb. 2,459,621, Jan. 18.
Attachment in coffins or the like, Holding. O. C. Pope. 2,459,335, Jan. 18.
Baby bottle holder. I. Seiden. 2,459,546, Jan. 18.
Back for seats. H. C. Flint. 2,459,758, Jan. 18.
Back tie, Dead-end. A. Q. Heidebrecht. 2,459,644, Jan. 18.
Bag: *See*—
Leg warmer bag.
Balancing device, Brake head. W. L. Schlegel, Jr. 2,459,776, Jan. 18.
Ball-and-socket vehicle coupling. W. M. Murray. 2,459,448, Jan. 18.
Band, Wrist. D. Canovsky. 2,459,413, Jan. 18.
Barrels, Manufacturing bilge. C. U. Gramelspacher. 2,459,316, Jan. 18.
Base for an electric device. J. F. Schmerheim. 2,459,543, Jan. 18.
Bearing. H. W. Luetkemeyer and R. A. Schaefer. 2,459,172, Jan. 18.
Bearing. L. L. Stott. 2,459,598, Jan. 18.
Bedclothes holder. H. D. Calabro. 2,459,497, Jan. 18.
Bed structure. H. C. Flint. 2,459,756, Jan. 18.
Belt, Disintegrating cartridge. W. M. Burgess. 2,459,147, Jan. 18.
Belt-tightening device. F. C. Hanson. 2,459,379, Jan. 18.
β-amio-α-chloroacrylonitriles and preparation. J. G. Erickson. 2,459,420, Jan. 18.
Beta-picoline, Concentration of. K. H. Slagle and R. S. Bowman. 2,459,192, Jan. 18.
Beta-picoline, Purification of. R. S. Bowman. 2,459,359, Jan. 18.
Bin, Tiltable. R. D. Adams. 2,459,301, Jan. 18.
Binder, Swivel ring. A. R. Russell. 2,459,541, Jan. 18
Bituminous materials with fillers, Mixing. B. D. Greenshields. 2,459,520, Jan. 18.
Block and bearing assembly, Pulley. J. J. Rozner. 2,459,290, Jan. 18.
Bobbin sorting apparatus. L. M. Cotchett. 2,459,309, Jan. 18.
Bobbin tensioning mechanism. B. Carter. 2,459,617, Jan. 18.
Bolts in machine guns, Acceleration of breech. C. E. Ballelsen. 2,459,141, Jan. 18.
Bomb fin structure. R. A. Bell. 2,459,357, Jan. 18.
Bonding apparatus for bonding wide layers of dielectric materials, High-frequency electrical. G. H. Brown. 2,459,260, Jan. 18.
Bone conduction unit. H. S. Knowles. 2,459,325, Jan. 18.
Boom light. E. A. Price. 2,459,722, Jan. 18.
Borehole pressure gauge. L. F. Elkins. 2,459,268, Jan. 18.
Bottle, Nonrefillable. W. F. Owen. 2,459,450, Jan. 18.
Bottle support. O. I. Sinclair. 2,459,246, Jan. 18.
Box: *See*—
Display box.
Bracket. E. T. J. Dahlstrom and M. Caplan. 2,459,503, Jan. 18.
Bracket and tree, Shoe polishing. I. R. Crow. 2,459,310, Jan. 18.
Bracket for round refrigerator or cabinet shelf, Roller. J. H. Meredith. 2,459,446, Jan. 18.
Brake beam safety support. L. W. Kass. 2,459,323, Jan. 18.
Brake mechanism, Liquid pressure. C. A. Sawtelle. 2,459,394, Jan. 18.
Braking system, Hydraulic. L. A. Majneri. 2,459,663, Jan. 18.
Breech-loading mechanism for ordnance. D. W. Molins. 2,459,572, Jan. 18.
Broaching machine. C. J. Halborg. 2,459,697, Jan. 18.
Broiler, Adjustable. G. Klein. 2,459,657, Jan. 18.
Bulk ice-cream container. H. B. Tillery. 2,459,727–8, Jan. 18.
Bullet, Explosive. W. T. Moore. 2,459,175, Jan. 18.
Butadiene extraction. J. W. Packie and E. M. Glazier. 2,459,451, Jan. 18.
Butadiene-styrene copolymer tackified with oxidized isoprene polymer. H. F. Palmer. 2,459,761, Jan. 18.
Cabinet: *See*—
Refrigerated display cabinet.

Cabinet and dispenser, Rolled toilet paper. C. J. Strahan. 2,459,252, Jan. 18.
Cabinet with device for locking an instrument base. E. Mihalek and C. Sayper. 2,459,571, Jan. 18.
Cable and the like supporting structures. W. H. Churchill. 2,459,307, Jan. 18.
Cable-clamping device, Universal. L. L. Verkuil. 2,459,603–4, Jan. 18.
Caging mechanism, Instrument. L. D. Cahill, W. T. Buhl, and A. S. Horwitz. 2,459,496, Jan. 18.
Camelback material. T. Q. Smith. 2,459,757, Jan. 18.
Cart, Tricycle. J. J. Sternad. 2,459,249, Jan. 18.
Case for bottles, Combined shipping and display. F. C. McKinley. 2,459,333, Jan. 18.
Case for circle saws. A. R. Segal. 2,459,460, Jan. 18.
Casing, Valve. J. F. Melichar. 2,459,668, Jan. 18.
Catalyst absorption. E. K. Jones. 2,459,531, Jan. 18.
Catalyst for use in hydroforming of naphthas, Conditioning a. A. B. Welty, Jr., and C. H. Holder. 2,459,480, Jan. 18.
Catalyst, Process utilizing moving solid. J. D. Upham. 2,459,474, Jan. 18.
Catalytic dehydrogenation of olefinic hydrocarbons while maintaining the potassium content of the catalyst. E. H. Oliver and C. F. Van Berg. 2,459,449, Jan. 18.
Cathode-ray image-translating device. H. N. Frihart, W. C. Jackson, and F. B. Williams. 2,459,637, Jan. 18.
Cell, Pressure. A. L. Erickson and J. C. Kyle. 2,459,155, Jan. 18.
Cellulose oxazolidone ethers and making same. F. K. Signaigo. 2,459,547, Jan. 18.
Centrifugal pump. J. A. Espy. 2,459,220, Jan. 18.
Chain: *See*—
Molded rubber traction chain.
Chair: *See*—
Infant's collapsible and Reclining chair, portable chair.
Chair, table, and desk combination. H. M. Wood. 2,459,257, Jan. 18.
Chamber having a movable wall therefor, Suction cleaner dust. C. H. Sparklin. 2,459,194, Jan. 18.
Check, Bank. N. D. Callanan. 2,459,263, Jan. 18.
Chlorofluoro methanes, Manufacture of. J. D. Calfee and L. B. Smith. 2,459,767, Jan. 18.
Chopper with rotary forcer screw, Food. F. W. Litten. 2,459,230, Jan. 18.
Chuck. E. T. W. Jahrl. 2,459,649, Jan. 18.
Cinematograph projection and sound-reproducing apparatus. J. A. Descombes. 2,459,628, Jan. 18.
Cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols, Separation of. H. E. Johnson. 2,459,432, Jan. 18.
Cineoles from hydrocarbons of similar boiling range by azeotropic distillation with phenols, Separation of. H. E. Johnson and H. M. Spurlin. 2,459,433, Jan. 18.
Circuit: *See*—
Control circuit.
Split-phase motor reversing circuit.
Circuit breaker. H. D. Dorfman and G. J. Freese. 2,459,629, Jan. 18.
Circuit breaker. H. A. Humpage. 2,459,427, Jan. 18.
Circuit breaker, Automatic reclosing. W. D. Kyle, Jr., and C. Schindler. 2,459,327, Jan. 18.
Circuit for cathode-ray tubes, Deflection. K. Schlesinger. 2,459,187, Jan. 18.
Circuit for stabilizing focus of magnetically focused cathode-ray tubes. L. J. Ulman. 2,459,602, Jan. 18.
Circuit interrupter. J. Sandin, J. K. Kraft, and H. L. Rawlins. 2,459,588, Jan. 18.
Circuit interrupter. A. P. Strom. 2,459,599, Jan. 18.
Circuit interrupter, Compressed gas. B. P. Baker. 2,459,612, Jan. 18.
Circuit interrupter, Compressed gas. A. P. Strom. 2,459,600, Jan. 18.
Circuit interrupter, High-voltage. R. H. Earle and R. H Amundson. 2,459,691, Jan. 18.
Circuits for radio locators, Comparator. R. C. Sanders, Jr. 2,459,457, Jan. 18.
Circulator, Liquid. B. Essick. 2,459,312, Jan. 18.
Clamp: *See*—
Draw clamp.
Hose clamp.
V-belt tensioning clamp.
Clamp. K. Reiner and A. Braga. 2,459,452, Jan. 18.
Clamping and dust-sealing means, Conveyer cover. E. P. Escher. 2,459,770, Jan. 18.
Clamping means, Core. E. F. Goodrich. 2,459,374, Jan. 18.
Cleaner: *See*—
Air cleaner.
Cleat, Detachable shoe. M. A. Robinson. 2,459,455, Jan. 18.
Clip: *See*—
Cloth clip.
Closure fastener. M. Marus. 2,459,666, Jan. 18.
Closure operator. P. M. Griffin. 2,459,695, Jan. 18.
Cloth clip. R. A. Bellamy. 2,459,213, Jan. 18.
Clothesline holder. W. C. Hess. 2,459,380, Jan. 18.
Clutch: *See*—
Torque responsive clutch.
Clutching device, V-Belt. W. W. Gettys. 2,459,373, Jan. 18.
Coating composition, Webbable strippable. W. H. Holst and G. R. Hersam. 2,459,164, Jan. 18.
Coffee maker. R. T. Cameron. 2,459,498, Jan. 18.
Coil, Induction. E. Warnken. 2,459,605, Jan. 18.
Collapsible reel. P. R. Powell. 2,459,336, Jan. 18.
Combination toothbrush and dentifrice receptacle. D. Murphy. 2,459,285, Jan. 18.
Combustion apparatus. G. C. Peter. 2,459,583, Jan. 18.
Communication system, Line circuit. F. W. Brixner and W. M. Barker. 2,459,494, Jan. 18.
Compartment and partition forming device for trays, Adjustable and removable. H. H. Yawman. 2,459,561, Jan. 18.
Computing machine. W. E. Lippert. 2,459,441, Jan. 18.
Condenser. W. E. McCown. 2,459,332, Jan. 18.
Conductor, Insulated. J. J. Keyes. 2,459,553, Jan. 18.
Contact protection for mercury wetted switch contacts. E. T. Burton. 2,459,306, Jan. 18.
Container: *See*—
Bulk ice-cream container.
Container. G. R. Sparks and C. G. Killen, Jr. 2,459,193, Jan. 18.
Container and holder for blocklike articles, Combined. J. F. Skold. 2,459,247, Jan. 18.
Container for refrigerator cars, Refrigerant. E. R. Battley and G. E. McCoy. 2,459,211, Jan. 18.
Control apparatus, Fluid. N. A. Christensen. 2,459,148, Jan. 18.
Control apparatus for carriage drives for reciprocating carriage slicing machines. W. D. Teague, Jr., and R. H. Ensign. 2,459,200, Jan. 18.
Control apparatus for induction heating systems. S. L. Burgwin. 2,459,616, Jan. 18.
Control apparatus for traffic signaling systems. W. M. Jeffers. 2,459,429, Jan. 18.
Control apparatus, Gyroscopic. J. P. Brown. 2,459,495, Jan. 18.
Control circuit. T. K. Collins, Jr. 2,459,624, Jan. 18.
Control circuits. R. C. Mason. 2,459,667, Jan. 18.
Control device. I. R. Latta. 2,459,564, Jan. 18.
Control for electric motors, Automatic reversing. V. Weber. 2,459,350, Jan. 18.
Control for hydraulic couplings. J. D. McCracken. 2,459,734, Jan. 18.
Control mechanism, Toaster. L. J. Kocl. 2,459,170, Jan. 18.
Control system, Airways traffic. S. N. Wight and O. S. Field. 2,459,399, Jan. 18.
Control system, Comparison. R. W. Engstrom. 2,459,682, Jan. 18.
Control system for multispeed alternating-current motors. W. Schaelchlin and A. J. Winchester, Jr. 2,459,589, Jan. 18.
Control system, Modulation. P. G. Wulfsberg. 2,459,208, Jan. 18.
Control system, Train-line. W. F. Eames. 2,459,631, Jan. 18.
Control system with latching relays, Motor. V. Weber. 2,459,349, Jan. 18.
Control valve. E. E. Harper. 2,459,700, Jan. 18.
Controller for alternating current motors. R. B. Hunter and E. Pell. 2,459,320, Jan. 18.
Controller, Thermostatic shutter. H. T. Booth. 2,459,490, Jan. 18.
Controlling multicomponent separation process in accordance with light absorption characteristics, Method and apparatus for. J. A. Anderson, Jr. 2,459,404, Jan. 18.
Controlling system, Electric. F. B. Aubert. 2,459,356, Jan. 18.
Convenience outlet. W. G. Kolb. 2,459,659, Jan. 18.
Cooler including control apparatus for limiting ice formation thereon, Liquid. E. C. Raney. 2,459,337, Jan. 18.
Cooler with a drain arrangement, Water. S. O. Morrison. 2,459,774, Jan. 18.
Copolymer mixed with phenol-aldehyde resin, Elastomeric. F. J. Groten and R. J. Reid. 2,459,739, Jan. 18.
Corn germ removal, P. A. Singer and H. J. Deobald. 2,459,548, Jan. 18.
Coupler for supporting cameras on tripods, Universal. H. J. Axtell. 2,459,676, Jan. 18.
Coupling: *See*—
Ball-and-socket vehicle coupling.
Pipe coupling.
Swivel coupling.
Threadless pipe coupling.
Valve coupling.
Coupling for tubes. J. N. Wolfram. 2,459,608–9, Jan. 18.
Cover: *See*—
Slip cover.
Wheel cover.
Covering and making the same, Insulating tubular. C. A. de Vyver. 2,459,688, Jan. 18.
Crib, Folding infant's. W. M. McClintock and C. N. and D. E. McCandless. 2,459,445, Jan. 18.
Cup washer. L. E. La Brie. 2,459,562, Jan. 18.
Cushion, multiple type, Seat. H. C. Flint. 2,459,755, Jan. 18.
Cutter and holder, Combination fruit or flower. W. R. Mabrey. 2,459,232, Jan. 18.
Cutter and stub holder, Guide. W. P. Hodges. 2,459,646, Jan. 18.
Cyanide-containing industrial waste liquors, Detoxification of. A. S. Smith. 2,459,464, Jan. 18.
Dampening devices for shock absorbers and the like. P. B. Oberstadt. 2,459,537, Jan. 18.
Defrosting means for refrigeration apparatus. G. S. McCloy. 2,459,173, Jan. 18.
Dehydration device. S. O. Levinson and F. Oppenheimer. 2,459,329, Jan. 18.
Demountable sealed stove pipe joint. A. Hollub. 2,459,382, Jan. 18.
Dental unit. W. J. Meier. 2,459,711, Jan. 18.

Asbestos fiberizing. L. C. Pharo. 2,459,240, Jan. 18.
Ash tray for automobiles, Self-emptying. E. P. Seaman. 2,459,459, Jan. 18.

Cabinet: *See*—
Refrigerated display cabinet.

Coffee maker. R. T. Cameron. 2,459,498, Jan. 18.

Dental unit. W. J. Meier. 2,459,711, Jan. 18.

Desulfurising molten ferrous metal. F. W. White and E. B. Story. 2,459,256, Jan. 18.
Detachable handle. G. Klein. 2,459,658, Jan. 18.
Detector for transmission lines, Fault. H. Payne. 2,459,239, Jan. 18.
Detector, Radiant energy. W. Sackville. 2,459,185, Jan. 18.
Determining the apparent viscosity of a grease, Continuous method for. J. C. Zimmer and A. Beerbower. 2,459,483, Jan. 18.
Determining the three-dimensional direction of approach of an electromagnetic wave front, Method and apparatus for. J. Y. Houghton. 2,459,165, Jan. 18.
Device comprising a current converting tube. J. G. W. Mulder. 2,459,284, Jan. 18.
Device for converting a saw tooth-shaped voltage of a comparatively low frequency into a saw tooth-shaped current. J. Haantjes. 2,459,278, Jan. 18.
Dial gauge. G. P. Bosomworth. 2,459,749, Jan. 18.
Di-alkylated mono-hydroxy phenol. G. H. Stillson and D. W. Sawyer. 2,459,597, Jan. 18.
Dies, Rotary. L. G. Robinson. 2,459,585, Jan. 18.
Di(hydroxy methyl) dithiobiuret, Preparation of. R. L. Sperry. 2,459,725, Jan. 18.
Dipping machine, Shingle. W. S. Sidwell. 2,459,294, Jan. 18.
Discharge device, Electric. J. E. Beggs. 2,459,487, Jan. 18.
Dispersions of proteins in aqueous detergents. H. P. Lundgren. 2,459,708, Jan. 18.
Display box. W. R. Lee. 2,459,585, Jan. 18.
Dissector, Image. C. C. Larson. 2,459,778, Jan. 18.
Door device. B. J. Craig. 2,459,502, Jan. 18.
Door latch. R. T. Anderson. 2,459,354, Jan. 18.
Drafting machine. E. R. Booth. 2,459,216, Jan. 18.
Draw clamp. A. Carden. 2,459,681, Jan. 18.
Drill: *See*—
Rock drill.
Drying oil residues, Comminuted. W. F. Schaufelberger. 2,459,342, Jan. 18.
Dual-voltage single-phase motor. L. W. Buchanan. 2,459,615, Jan. 18.
Dumping machine, Box. F. A. Van Vleck. 2,459,204, Jan. 18.
Dynamoelectric machine. E. O. Mueller. 2,459,673, Jan. 18.
Electric snap switch. A. M. MacFarland. 2,459,661, Jan. 18.
Electrical system. W. E. Bradley. 2,459,732, Jan. 18.
Electrode structure. E. B. Noel. 2,459,579, Jan. 18.
Electrolytic recording. H. G. Greig. 2,459,521, Jan. 18.
Electron discharge device. P. L. Spencer. 2,459,195, Jan. 18.
Electronic valve. D. A. Deisinger and R. A. Kirkman. 2,459,152, Jan. 18.
Elevating mechanism for fifth wheels. G. R. Dempster and H. W. Jones. 2,459,506, Jan. 18.
Emergency control lock. J. C. Beirise. 2,459,143, Jan. 18.
Energy conversion and control system, Electronic. J. B. Reeves. 2,459,340, Jan. 18.
Ester lactones. W. J. Croxall and H. T. Neher. 2,459,684, Jan. 18.
Esters containing a pentaerythritol, Resinous mixed. F. G. Oswald. 2,459,581, Jan. 18.
Esters of para amino benzoic acid, Alkamine. A. C. Cope. 2,459,217, Jan. 18.
Ethylene cyanohydrin, Production of. A. W. Jefts and J. A. Schmidlein. 2,459,430, Jan. 18.
Exciting means for high-frequency display tubes. C. H. Fuller. 2,459,422, Jan. 18.
Extracting rubber from plants. H. Tint and C. W. Murray. 2,459,369, Jan. 18.
Fastener: *See*—
Closure fastener. Shoe fastener.
Fastenings for attaché cases and the like, Key locked. C. W. Cheney. 2,459,683, Jan. 18.
Feed-back system for electronic tubes comprising hollow body resonators. D. H. Sloan. 2,459,593, Jan. 18.
Fibrous material, Drying. W. A. Sisson. 2,459,345, Jan. 18.
Fifth wheel. E. P. Kinne. 2,459,772, Jan. 18.
File, Vertical. A. M. Martin. 2,459,385, Jan. 18.
Filling and ejecting apparatus, Mold. F. L. Cantrall and J. A. Carlisle. 2,459,680, Jan. 18.
Film processing machine. G. M. Dye, R. B. Maddock, R. Sardeson, and E. H. Savela. 2,459,509, Jan. 18.
Filter: *See*—
Liquid filter.
Filter. W. W. Hallinan. 2,459,318, Jan. 18.
Filter. W. W. Hallinan. 2,459,376, Jan. 18.
Filters for current-circuits, Composite sequence. W. K. Sonnemann. 2,459,596, Jan. 18.
Fire extinguisher. J. E. Trainer and S. W. Alderfer. 2,459,743, Jan. 18.
Fishing device. E. Wiitala. 2,459,401, Jan. 18.
Fishing rod holder. J. L. Smith. 2,459,549, Jan. 18.
Fitting, Fuel cell. H. H. Kolbe. 2,459,747, Jan. 18.
Fixture, Combination curtain, drapery, and shade. N. Chatterton. 2,459,619, Jan. 18.
Fixture for hardening dies. F. F. Roth, Jr. 2,459,183, Jan. 18.
Flange union, Double seal. C. K. Stillwagon. 2,459,250, Jan. 18.
Flash lamp. H. T. and H. H. Hipwell. 2,459,702, Jan. 18.
Flavoring materials. R. F. Larson, R. W. Liggett, and W. C. Mussulman. 2,459,563, Jan. 18.
Flavoring materials. W. W. Moyer. 2,459,574, Jan. 18.
Flexible pocket receptacle. D. W. Corey. 2,459,218, Jan. 18.
Flocking device. C. G. Solana and J. Casingena. 2,459,396, Jan. 18.
Fluid pressure valve. E. A. Rockwell. 2,459,456, Jan. 18.
Fluorescent article, Laminated phosphorescent. J. M. Gordon. 2,459,693, Jan. 18.
Fluorescent lamp. C. E. Farris. 2,459,633, Jan. 18.
Flux meter. V. Russell. 2,459,341, Jan. 18.
Folding support. M. Lange and M. Spiegel. 2,459,280, Jan. 18.
Frequency modulation distance indicator. R. G. Shankweiler and D. Blitz. 2,459,461, Jan. 18.
Fruit spread, Cold processed. G. Johnson and M. M. Boggs. 2,459,431, Jan. 18.
Fuel-cell construction. R. F. Wilson and A. F. Resnicek. 2,459,752, Jan. 18.
Fueling system. A. J. Granberg. 2,459,317, Jan. 18.
Fuse setting and ramming mechanism. F. E. Cole, W. V. Goodhue, and R. Heeley. 2,459,308, Jan. 18.
Gamma-picoline, Purification of. R. S. Bowman. 2,459,146, Jan. 18.
Gas producer. F. Sepulchre. 2,459,344, Jan. 18.
Gas treating method and apparatus. G. L. Simpson. 2,459,463, Jan. 18.
Gas turbine system embodying rotary positive displacement compressor apparatus. A. Lysholm. 2,459,709, Jan. 18.
Gas washer. O. E. Fenn. 2,459,635, Jan. 18.
Gasket and manufacture, Folded fabric. E. J. Poltorak. 2,459,720, Jan. 18.
Gaskets, Manufacturing. E. J. Poltorak. 2,459,721, Jan. 18.
Gate system, Lock. C. Arne. 2,459,140, Jan. 18.
Gauge: *See*—
Borehole pressure gauge. Dial gauge.
Gear: *See*—
Airplane landing gear.
Gear for trailers or the like, Tandem axle running. G. D. Fraunfelder. 2,459,372, Jan. 18.
Generator: *See*—
Pulse and square wave generator.
Generator and frequency multiplier, Oscillation. A. P. Buffington. 2,459,262, Jan. 18.
Generator or modulator, Signal. J. R. Shonnard. 2,459,293, Jan. 18.
Glow switch. S. H. Noble. 2,459,578, Jan. 18.
Golf shoe spike or calk. A. F. Zadina. 2,459,610, Jan. 18.
Greasing machine, Pan. P. Kellner. 2,459,324, Jan. 18.
Grinder and grinding raceways, Oscillating raceway. W. D. Anderson. 2,459,406, Jan. 18.
Grinding rod and wire, Method and apparatus for. D. Lewis. 2,459,707, Jan. 18.
Guanamines, Preparing. J. S. Mackay and J. H. Paden. 2,459,710, Jan. 18.
Guard, Shock therapy mouth. J. Freedland. 2,459,278, Jan. 18.
Guide for looms, Picker stick. C. D. Brown. 2,459,411, Jan. 18.
Gun, Filler. W. E. Smith. 2,459,296, Jan. 18.
Gunsight, Cathode-ray tube. P. R. Wheeler. 2,459,206, Jan. 18.
Handle: *See*—
Detachable handle.
Handwheel. F. C. Fantz. 2,459,271, Jan. 18.
Hanger: *See*—
Trolley wire hanger.
Harmonica. G. Ruffino. 2,459,184, Jan. 18.
Heat-treating means utilizing controlled carbonaceous gaseous atmospheres. H. E. Cartier. 2,459,618, Jan. 18.
Heating device. G. R. Neumann and E. F. Farrell. 2,459,575, Jan. 18.
Heating of dielectric material, Controlling high-frequency. W. H. Hickok. 2,459,225, Jan. 18.
High-pressure mercury vapor lamp. V. J. Francis and E. H. Nelson. 2,459,516, Jan. 18.
Hoist, Jack. H. C. Delph. 2,459,505, Jan. 18.
Holder: *See*—
Baby bottle holder. Mechanical instrument holder.
Bedclothes holder. Nursing bottle holder.
Clothesline holder.
Fishing rod holder.
Holder for carfare tokens. W. A. Sherbondy. 2,459,292, Jan. 18.
Holder for Christmas trees, flagstaffs, and the like. W. M. Irvin. 2,459,533, Jan. 18.
Holder for fluorescent lamps, Lamp. C. H. Hodgkins. 2,459,647, Jan. 18.
Hook means for fish lure, Releasable. S. E. Robbins and F. L. Larson. 2,459,288, Jan. 18.
Hooks, Manufacture of snap. A. L. McKinnon. 2,459,735, Jan. 18.
Hose clamp. R. G. Krasberg. 2,459,436, Jan. 18.
Hub-mounted wheel wrench. J. J. Morsch. 2,459,672, Jan. 18.
Hydraulic valve. L. A. Majneri. 2,459,664, Jan. 18.
Hydrocarbon oil, Refining. B. K. Engel and F. T. E. Palmqvist. 2,459,419, Jan. 18.
Hydrocarbon synthesis. T. C. Main. 2,459,444, Jan. 18.
Hydrocarbons, Separation of. M. R. Lipkin. 2,459,442, Jan. 18.
Hydrocarbons to remove fluorine compounds, Distillation of. E. R. Kanhofer. 2,459,434, Jan. 18.

Hydrofluoric acid, Manufacture of. H. C. Kremers and I. E. Johnson. 2,459,438, Jan. 18.
Hydrogenation treatment for hydrocarbon oils, A two-stage. W. M. Smith. 2,459,405, Jan. 18.
Igniter, Thermal. C. N. Hickman. 2,459,163, Jan. 18.
Ignition system. L. B. Smith. 2,459,297, Jan. 18.
Indicator: *See*—
Parking indicator.
Indicator system, Fuel level. D. B. Browne. 2,459,261, Jan. 18.
Induction apparatus, Stationary. G. J. Johnston. 2,459,322, Jan. 18.
Induction heating continuously moving wire. R. H. Denham. 2,459,507, Jan. 18.
Infant's collapsible and portable chair. J. P. Tiritilli and T. L. Jones. 2,459,601, Jan. 18.
Injector, Combination spark plug and fuel. H. Babezzana and F. J. Wiegand. 2,459,286, Jan. 18.
Instrument, Musical. J. Chapo. 2,459,500, Jan. 18.
Interception trainer. C. J. Crane, G. V. Holloman, C. W. Muller, and R. K. Stout. 2,459,150, Jan. 18.
Inverter motor. A. L. Anderson and R. C. Burns. 2,459,611, Jan. 18.
Iron: *See*—
Adjustable soldering iron.
Jack for automobile trailers, Hydraulic. G. J. Dourte. 2,459,508, Jan. 18.
Joint: *See*—
Demountable sealed stove Knuckle joint.
pipe joint.
Jointing of conductors of electric cables. C. J. Beaver and E. L. Davey. 2,459,212, Jan. 18.
Key and key extractor, Combined shaft. C. M. Farrington. 2,459,221, Jan. 18.
Key ring. O. V. Anderson. 2,459,405, Jan. 18.
Keyer, Two-tone. E. R. Shenk. 2,459,402, Jan. 18.
Knife, Roofer's. D. C. Beaver. 2,459,407, Jan. 18.
Knuckle joint. C. C. Brown. 2,459,614, Jan. 18.
Lactone derivatives of 2-pyridone compounds. W. F. Bruce. 2,459,360, Jan. 18.
Ladder attachments, Adjustable. E. E. Kreissler and F. C. Wilkinson. 2,459,437, Jan. 18.
Lamp: *See*—
Flash lamp. Negative glow lamp.
Fluorescent lamp. Positive column lamp.
High-pressure mercury vapor lamp.
Lamps, Focusing reflector-type electric discharge. L. S. Ickis. 2,459,532, Jan. 18.
Landing system, Instrument. D. S. Bond. 2,459,482, Jan. 18.
Landing system, Instrument. I. Wolff and P. J. Herbst. 2,459,481, Jan. 18.
Latch: *See*—
Door latch. Refrigerator latch.
Launcher, Rocket. W. V. Goodhue. 2,459,314, Jan. 18.
Leg warmer bag. G. C. Williams. 2,459,352, Jan. 18.
Leveling machine, Land. L. E. Shumaker and H. G. Davis. 2,459,591, Jan. 18.
Lid for box compartments, Lock. D. C. Thompson. 2,459,346, Jan. 18.
Life line. A. B. Schultz. 2,459,545, Jan. 18.
Light: *See*—
Boom light.
Light spot and reflector means for alinement of cameras for title purposes. G. D. Ellis. 2,459,418, Jan. 18.
Lighter, Cigar. A. A. Johnson. 2,459,650, Jan. 18.
Lighter, Pocket automatic electric. D. J. Kirschner. 2,459,656, Jan. 18.
Lighter, Table. H. Nerbaur. 2,459,238, Jan. 18.
Lighting unit and electric incandescent lamp therefor, Sealed. L. W. Curtis. 2,459,151, Jan. 18.
Link for French type cuffs, Cuff. V. T. Howard. 2,459,703, Jan. 18.
Linkage, Computing. A. Svoboda. 2,459,726, Jan. 18.
Liquid filter. C. W. Woods. 2,459,353, Jan. 18.
Locater, Casing joint. J. H. Castel. 2,459,499, Jan. 18.
Lock: *See*—
Emergency control lock.
Logging method and apparatus, Electrical. W. H. Stewart. 2,459,196, Jan. 18.
Loom operation, Balanced. F. D. Snyder. 2,459,595, Jan. 18.
Lubricant composition, Organic. G. L. Perry. 2,459,717, Jan. 18.
Lubricating composition. E. R. Barnum and G. L. Perry. 2,459,718, Jan. 18.
Luminescent maraca. R. J. Tossas. 2,459,555, Jan. 18.
Machine for beveling soles. E. J. Ray. 2,459,339, Jan. 18.
Machine for marking on cylindrical articles. C. F. Robbins. 2,459,538, Jan. 18.
Machine for operating upon shoe soles. E. J. Ray. 2,459,179, Jan. 18.
Magnetic impulse motor. E. K. Crosby. 2,459,265, Jan. 18.
Malonic ester, Manufacture of. C. F. Christie. 2,459,144, Jan. 18.
Mandolin pick. H. Galetzky. 2,459,274, Jan. 18.
Manifold for two-cycle crankcase compression engines. J. W. Smith. 2,459,594, Jan. 18.
Material handling mechanism. W. W. Worthington. 2,459,207, Jan. 18.
Measuring apparatus, Density. A. J. Rosenberger. 2,459,542, Jan. 18.
Measuring apparatus, Fluid rate of flow. P. S. Dickey and J. F. Shannon. 2,459,689, Jan. 18.
Measuring characteristic impedances of fittings for coaxial connectors. C. Stewart, Jr. 2,459,197, Jan. 18.
Measuring device for shafts, Torque. B. F. Langer and F. W. Godsey, Jr. 2,459,171, Jan. 18.
Measuring system with capacitor having characteristics of an infinite capacity. A. J. Williams, Jr. 2,459,730, Jan. 18.
Mechanical instrument holder. E. E. Harper. 2,459,701, Jan. 18.
Mechanism for traversing artillery pieces. N. S. Glassman. 2,459,159, Jan. 18.
Mending machine, Stocking. M. Sagnier. 2,459,587, Jan. 18.
Metal bonded by means of chlorinated rubber adhesives containing a polyalkylene polyamine. H. P. Bradley and J. L. Dum. 2,459,742, Jan. 18.
Metal coating. A. W. Harris and A. H. Ward. 2,459,161, Jan. 18.
Metalsalts of penicillin, Preparing. M. W. Goldberg and S. Teitel. 2,459,315, Jan. 18.
Meter: *See*—
Flux meter.
Metering system, Fluid. T. A. Baker. 2,459,303, Jan. 18.
Modulation system. C. E. Hallmark. 2,459,698, Jan. 18.
Mold. E. H. Zahn. 2,459,402, Jan. 18.
Mold for making plastic artificial eyes. L. A. Wells and C. A. Halbkat. 2,459,205, Jan. 18.
Molded rubber traction chain. A. B. Skromme. 2,459,751, Jan. 18.
Mortar and adapter, Grenade. J. Ross. 2,459,182, Jan. 18.
Motor: *See*—
Dual-voltage single-phase motor. Magnetic impulse motor.
Inverter motor. Self-starting impulse type electric motor.
Motor cooling systems. G. M. De Jarlais. 2,459,311, Jan. 18.
Motor unit, Alternating current solenoid reciprocating. J. I. Ellman. 2,459,510, Jan. 18.
Motor vehicle fuel tank. B. A. Swennes. 2,459,470, Jan. 18.
Mount, Picture. G. E. Nichols. 2,459,576, Jan. 18.
Mounting: *See*—
Resilient mounting. Socket terminal mounting.
Moving apparatus, Tray. M. E. Hanson. 2,459,524, Jan. 18.
N-monochlorocyclohexylamine. G. Alliger. 2,459,759, Jan. 18.
Negative glow lamp. D. E. Elmendorf. 2,459,511, Jan. 18.
Nicotine and beta-beta-dichlorethyl ether insecticide. O. T. Coffin and D. J. Raden. 2,459,138, Jan. 18.
Noisemaking device. D. M. Wolf. 2,459,300, Jan. 18.
Normicotine, Preparation of. P. G. Haines, A. Elsner, and C. F. Woodward. 2,459,096, Jan. 18.
Nursing bottle holder. H. B. Flickinger. 2,459,514, Jan. 18.
Oarlock extension. M. W. Areaux. 2,459,355, Jan. 18.
Oil acid modified alkyd material, Preparing. C. G. Moore. 2,459,176, Jan. 18.
Olican with drip catcher having a weight operated return valve. M. E. Blake and R. A. Gartman. 2,459,215, Jan. 18.
Oils, Purifying used. C. R. A. M. Björnstjerna. 2,459,409, Jan. 18.
1,4-DI (heterocyclic substituted) piperazines. J. J. Denton and K. L. Howard. 2,459,367, Jan. 18.
1-Naphthylmethyl tetradecyl ether as an insecticide. I. Hechenbleikner. 2,459,526, Jan. 18.
Opener, Can. O. C. Williamson. 2,459,560, Jan. 18.
Opener, Carton. S. H. Berch. 2,459,678, Jan. 18.
Ores with nitric acid treated fatty acids, Concentration of nonsulfide, nonsilicate. J. B. Duke. 2,459,219, Jan. 18.
Organic compounds with hydrogen halides, Reaction of. A. I. Gebhart. 2,459,423, Jan. 18.
Organosilicols, Condensing. R. R. McGregor and E. L. Warrick. 2,459,387, Jan. 18.
Oscillators, Positive grid. J. W. McNall. 2,459,283, Jan. 18.
Oscilloscope, Cathode-ray. C. W. Hansell. 2,459,319, Jan. 18.
Overhead valve tappet clearance adjusting wrench. G. S. Morris. 2,459,671, Jan. 18.
Oxidation of cycloaliphatic hydrocarbons and alcohols. T. F. Doumani, C. S. Coe, and E. C. Attané, Jr. 2,459,690, Jan. 18.
Oxides of manganese, Preparation of. R. W. Moulton. 2,459,714, Jan. 18.
Packing assembly. W. C. Ferguson, P. Sussenbach, and F. L. Limn. 2,459,370, Jan. 18.
Pad: *See*—
Shoulder pad.
Paper and making, Creped. R. F. Charles and F. W. Durgin. 2,459,364, Jan. 18.
Parenteral solutions of riboflavin and the like. T. D. Gerlough and E. L. Smith. 2,459,518, Jan. 18.
Parking indicator. R. M. Thorson. 2,459,202, Jan. 18.
Pear peeling, coring, and splitting method and apparatus. G. A. Dunn. 2,459,368, Jan. 18.
Pen, Fountain. H. Q. Quan. 2,459,584, Jan. 18.

Petroleum exploration by soil analysis. R. H. Fash and J. G. Campbell. 2,459,512, Jan. 18.
Phenol sulfides and preparation of metallic salts thereof, Purification of. H. E. Albert. 2,459,754, Jan. 18.
Phthalocyanine polyhydroxyalkylsulfonamides. R. L. Mayhew. 2,459,773, Jan. 18.
Phthalocyanine sulfonamidopyridines. A. L. Fox. 2,459,771, Jan. 18.
Picking machine, Cranberry. E. L. Tebbetts. 2,459,471, Jan. 18.
Pin device, Tractor hitch. B. E. Seward. 2,459,245, Jan. 18.
Pipe attachment, Tobacco. A. Morris. 2,459,670, Jan. 18.
Pipe coupling. H. B. L. Newman. 2,459,389, Jan. 18.
Piperylene, Concentration of. R. F. Robey. 2,459,454, Jan. 18.
Piston packing ring. F. D. Frisby. 2,459,157, Jan. 18.
Piston ring. D. M. Smith. 2,459,395, Jan. 18.
Plastic coating. R. W. Holden. 2,459,279, Jan. 18.
Plastic compositions made with vulcanized polyethylene glycol esters as plasticizers. P. Stamberger. 2,459,298, Jan. 18.
Plug: *See*—
Spark plug.
Polyazo benzidine dyes. F. Straub and J. Brassel. 2,459,467, Jan. 18.
Polymeric materials from iso- and isothiocyanates with acrylic acids. J. G. Lichty and N. V. Seeger. 2,459,439, Jan. 18.
Polymeric mono-isoolefinic materials and making same. J. M. Coon and J. B. Rust. 2,459,501, Jan. 18.
Polyvinyl acetal resins. K. F. Beal and C. J. B. Thor. 2,459,488, Jan. 18.
Portable necktie rack. R. E. Dodge. 2,459,417, Jan. 18.
Positive column lamp. E. Lemmers. 2,459,567, Jan. 18.
Post for lathes, Tool. I. H. Fann. 2,459,421, Jan. 18.
Power supply, High-voltage. G. W. Fyler. 2,459,638, Jan. 18.
Press and die therefor. L. Granat. 2,459,276, Jan. 18.
Printing apparatus having a rotary light-transmitting cylinder and an endless belt bearing against the cylinder, Photographic. F. H. Cary. 2,459,362, Jan. 18.
Probe. J. L. McFarland and M. P. Van Camp. 2,459,174, Jan. 18.
Protector applicable to drinking vessels for avoiding contamination by the mouth, Hygienic. M. G. Villegas de Oribe. 2,459,558, Jan. 18.
Pulley, Variable-speed. W. W. Hallinan. 2,459,377–8, Jan. 18.
Pulsator system. A. E. Kremiller. 2,459,326, Jan. 18.
Pulse and square wave generator. J. D. Schantz. 2,459,723, Jan. 18.
Pump: *See*—
Centrifugal pump. Variable delivery pump.
Pump connection, Tire. J. M. Nickelsen and H. W. Emerick. 2,459,716, Jan. 18.
Pump recirculating line erosion control device, Main feed. L. E. Hughes. 2,459,166, Jan. 18.
Pumping air in air balanced pumping units. E. W. Patterson and C. D. Spracher. 2,459,334, Jan. 18.
Pyrazole-5-ones, Production of. J. D. Kendall and D. J. Fry. 2,459,226, Jan. 18.
Pyridine bases, Separation of. K. H. Slagle and R. S. Bowman. 2,459,191, Jan. 18.
Quinacrine, Making. G. L. Shaw and R. G. Jones. 2,459,777, Jan. 18.
Quiz device, Combination. C. Lorber. 2,459,231, Jan. 18.
Rack: *See*—
Portable necktie rack. Tubing rack.
Rack and edger, Knife. S. S. Otis. 2,459,391, Jan. 18.
Rack for neckties. J. Linenthal. 2,459,331, Jan. 18.
Radio equipment for lifeboat service, Two-way. J. F. McDonald. 2,459,281, Jan. 18.
Radio receiving system, Diversity. C. P. Beanland. 2,459,259, Jan. 18.
Radio system, Multiplex. F. A. Bartlett. 2,459,485, Jan. 18.
Range, Gun test. R. M. Ferguson. 2,459,156, Jan. 18.
Receiver, Interference reducing radio. D. E. Noble. 2,459,675, Jan. 18.
Receptacle: *See*—
Combination toothbrush and dentifrice receptacle. Flexible pocket receptacle.
Reclining chair. R. H. Ellsworth. 2,459,269, Jan. 18.
Rectifier. C. S. Duncan. 2,459,630, Jan. 18.
Reel: *See*—
Advancing reel. Collapsible reel.
Refrigerated display cabinet. M. W. Schwartz. 2,459,243, Jan. 18.
Refrigerator latch. A. C. Shuart. 2,459,190, Jan. 18.
Regulating system. S. B. Griscom and R. L. Witzke. 2,459,640, Jan. 18.
Regulating system. C. L. Mershon. 2,459,669, Jan. 18.
Regulating system. R. L. Witzke. 2,459,607, Jan. 18.
Rejector-blade wear-compensating-ring, for discharge of rotary beater mill. E. H. Smith and O. A. Johnson. 2,459,248, Jan. 18.
Relaying system, High-speed sequential. S. L. Goldsborough. 2,459,639, Jan. 18.
Removing ferrous and other particles from liquid, Automatically. A. Scrivener. 2,459,343, Jan. 18.
Removing shine from fabrics. R. H. McKee. 2,459,236, Jan. 18.
Reproducing apparatus. J. M. Tyrner. 2,459,253, Jan. 18.
Reservoir for the storage of liquefied gases, Underground. A. N. Kerr. 2,459,227, Jan. 18.
Resilient mounting. L. M. Kubaugh. 2,459,741, Jan. 18.
Resins derived by reacting a cresol-formaldehyde condensate with a monohydric alcohol ester of rosin, Synthetic. W. D. Jones. 2,459,651, Jan. 18.
Resistor and spark plug embodying same. T. G. McDougal, K. Schwartzwalder, and A. S. Rulka. 2,459,282, Jan. 18.
Restraining device. C. F. and M. M. Messina. 2,459,712, Jan. 18.
Retarder for automatic firearms, Hammer. J. C. Garand. 2,459,158, Jan. 18.
Retracting and braking system for aircraft landing gear, Combined. L. A. Majneri. 2,459,665, Jan. 18.
Ring: *See*—
Key ring. Piston ring.
Piston packing ring.
Rock drill. P. A. Bancel, J. D. Ditson, and A. D. Karr. 2,459,484, Jan. 18.
Roller control for printing presses, Ductor. G. H. Schultz. 2,459,188–9, Jan. 18.
Roof and wall structure. A. Cibulka. 2,459,415, Jan. 18.
Rotary plug valve. W. D. Carrie. 2,459,682, Jan. 18.
Rubber compound, Processing. H. H. Waters. 2,459,745, Jan. 18.
Rubber latex, Coagulation of synthetic. C. R. Johnson. 2,459,748, Jan. 18.
Rubber, Making and compounding synthetic. R. L. Bebb. 2,459,740, Jan. 18.
Rubber products, Manufacture of. M. M. Heywood. 2,459,763, Jan. 18.
Rubber to magnesium, Adhesion of. J. R. Rafter. 2,459,744, Jan. 18.
Safety and relief valve. E. C. Sullivan. 2,459,553, Jan. 18.
Salt solutions, Basic aluminum. V. H. Roehrich. 2,459,289, Jan. 18.
Salts having minimum solubilities at temperatures above those of the initial solutions, Concentration of. D. Aronson. 2,459,302, Jan. 18.
Sampling device. R. M. Levy. 2,459,383, Jan. 18.
Scale, Drawing. S. V. Tomko. 2,459,554, Jan. 18.
Scoop or ladle, Measuring. C. C. Spreen. 2,459,466, Jan. 18.
Seal. R. C. Hamilton and E. S. Rothchild. 2,359,642, Jan. 18.
Seal apparatus, Junction. T. R. Thomas. 2,459,201, Jan. 18.
Seal for floating roofs. F. D. Moyer. 2,459,178, Jan. 18.
Seal for rotating equipment, Reed. W. C. Kellogg and E. Hanshaw. 2,459,654, Jan. 18.
Seal, Pressure. W. Kasten. 2,459,652, Jan. 18.
Sealing apparatus, Flame. A. G. Hewitt and S. F. Clement. 2,459,235, Jan. 18.
Sealing apparatus, Flame. R. McDowall. 2,459,234, Jan. 18.
Segregation of C_5 hydrocarbons by extractive and azeotropic distillation. G. L. Ahrens. 2,459,403, Jan. 18.
Self-starting impulse type electric motor. G. E. Canham. 2,459,412, Jan. 18.
Separator centrifuge, Multiple. G. K. W. Boestad. 2,459,145, Jan. 18.
Separator for fluid systems, Magnetic. T. A. Kennedy. 2,459,534, Jan. 18.
Servomotor, Differential pressure fluid. F. K. van Almelo. 2,459,475, Jan. 18.
Servo unit test stand. A. F. Kopischiansky. 2,459,535, Jan. 18.
Shackle, Releasable. T. J. Henderson. 2,459,223, Jan. 18.
Shaped articles from fluorite, Production of. G. J. Vahrenkamp. 2,459,203, Jan. 18.
Sharpener, Saw. A. W. Mall. 2,459,233, Jan. 18.
Sheet materials by high-frequency electric fields, Method of and apparatus for drying. W. P. Gohoe and M. Wilson. 2,459,622, Jan. 18.
Sheet materials, Method and apparatus for drying. W. P. Gohoe and M. R. Saslaw. 2,459,623, Jan. 18.
Shock absorber, Friction. E. H. Lehman. 2,459,229, Jan. 18.
Shoe fastener. R. and C. V. Webb. 2,459,348, Jan. 18.
Shoe tree. R. H. Slavin. 2,459,592, Jan. 18.
Shoulder pad. S. Bloom. 2,459,489, Jan. 18.
Shoulder pad. A. Ingalls. 2,459,648, Jan. 18.
Shovel attachment, Corn planter. O. Farley. 2,459,634, Jan. 18.
Signal: *See*—
Aerial signal.
Signaling device adapted to be operated automatically after being launched, Self-contained emergency. M. Dwyer and P. B. Edwards. 2,459,267, Jan. 18.
Slip. H. C. Seidin. 2,459,590, Jan. 18.
Slip cover. L. C. Lenz. 2,459,328, Jan. 18.
Slippers, Constructing. B. Wunsch. 2,459,258, Jan. 18.
Socket. R. C. Fox and T. N. Massey. 2,459,272, Jan. 18.
Socket terminal mounting. H. A. Olson. 2,459,390, Jan. 18.
Soda ash, Production of. E. W. Carrier. 2,459,414, Jan. 18.

Solids in a liquid bath, Destructive distillation of. A. J. Stamm. 2,459,550, Jan. 18.
Sound locating device, Acoustical. H. C. Hayes. 2,459,162, Jan. 18.
Spacer, Electrode. J. A. M. van Liempt, F. Prakke, H. J. Landsbergen, and J. H. M. van Uden. 2,459,476, Jan. 18.
Spark plug. H. M. Bickle and R. A. Bailey. 2,459,214, Jan. 18.
Speed drive, Adjustable. G. E. King and M. H. Fisher. 2,459,655, Jan. 18.
Speed limiting arrangements for turbine rotors. G. H. Graham, B. E. G. Forsling, and G. Tabberer. 2,459,519, Jan. 18.
Split-phase motor reversing circuit. C. E. Weinland. 2,459,479, Jan. 18.
Spray, Dental drill. H. R. Morrow. 2,459,573, Jan. 18.
Spreader and tensioner for circular looms and the like, Wire. A. DeGhetto. 2,459,504, Jan. 18.
Sprinkler, Square lawn. L. D. Sellars. 2,459,244, Jan. 18.
Stacking machine, Lumber. B. M. Birkhead. 2,459,358, Jan. 18.
Stand: *See*—
Servo unit test stand.
Stapling machine. F. Franz. 2,459,313, Jan. 18.
Steering mechanism for wheeled land vehicles. R. W. Brown. 2,459,753, Jan. 18.
Still with capillary tube offtakes for condensate, Microfractionation. C. W. Gould, Jr. 2,459,375, Jan. 18.
Stippler. A. Power. 2,459,392, Jan. 18.
Stirrer for mixing liquids, Magnetically operated. W. L. Hendricks. 2,459,224, Jan. 18.
Stop motion for knitting machines and the like, Automatic. G. E. Henning and C. E. Lewis. 2,459,426, Jan. 18.
Stopper for insuring sterile needle punctures, Medical vial. F. Blank. 2,459,304, Jan. 18.
Stove, Portable camping. E. C. Filmer. 2,459,515, Jan. 18.
Straining device. L. L. Lange. 2,459,660, Jan. 18.
Structural shapes, Manufacture of. A. B. Cummins. 2,459,685, Jan. 18.
Structure for fluorescent dial panel and making the same. J. M. Gordon. 2,459,694, Jan. 18.
Substantive triazineazo dyes. E. Keller and R. Zweidler. 2,459,435, Jan. 18.
Subtilin, Extraction and purification of. K. P. Dimick, G. Alderton, J. C. Lewis, H. D. Lightbody, and H. L. Fevold. 2,459,139, Jan. 18.
Sulfate turpentine, Refining. G. H. McGregor. 2,459,570, Jan. 18.
Sulfur, Purification of native. F. M. Yelser. 2,459,764, Jan. 18.
Supply system, Power. H. G. A. Bax. 2,459,486, Jan. 18.
Support: *See*—
Bottle support.
Brake beam safety support. Folding support.
Support for neon tubes. M. Fletcher. 2,459,692, Jan. 18.
Supporting device, Record sheet. H. Hansen. 2,459,523, Jan. 18.
Surface treatment of magnesium base alloys, Electrolytic protective. G. E. Coates. 2,459,365, Jan. 18.
Surgical table. H. T. Treace. 2,459,729, Jan. 18.
Switch: *See*—
Electric snap switch. Glow switch.
Switchboard and cable connections therein, Self-contained. E. L. Mentor. 2,459,237, Jan. 18.
Switch for refrigerating apparatus. A. O. Grooms. 2,459,522, Jan. 18.
Switch for synchronizers and the like, Control. G. A. Ley. 2,459,330, Jan. 18.
Switching apparatus for fire control systems. W. Von Glahn. 2,459,255, Jan. 18.
Swivel coupling. E. C. Hartley. 2,459,643, Jan. 18.
Swivel, Rotary. G. R. Tremolada. 2,459,472, Jan. 18.
Synchronizing system. C. E. Hallmark. 2,459,699, Jan. 18.
Table: *See*—
Surgical table. Tray table.
Tank: *See*—
Motor vehicle fuel tank.
Target, Golf putting. R. E. Watkins. 2,459,559, Jan. 18.
Telemetric device. H. H. Johnson. 2,459,704, Jan. 18.
Test apparatus, Electrical. M. F. Bates. 2,459,142, Jan. 18.
Test device, Illuminated. M. Weincord. 2,459,351, Jan. 18.
Testing and protection of electrical distribution systems. R. Scheirmann. 2,459,186, Jan. 18.
Testing apparatus, Cord. I. B. Prettyman, G. P. Bosomworth, and D. C. Milner. 2,459,738, Jan. 18.
Testing device, Inner tube. L. H. Wink. 2,459,606, Jan. 18.
Textile materials, Manufacture of shaped. G. Schneider and A. J. Steinberger. 2,459,291, Jan. 18.
Textile materials, Manufacturing. R. Cleeland, L. J. Kelley and W. S. Davis. 2,459,620, Jan. 18.
Thermostat control for toasters, Radiation. L. J. Koci. 2,459,169, Jan. 18.
Thiazyl sulfenamides. G. E. P. Smith, Jr., and E. L. Carr. 2,459,736, Jan. 18.
Threading up continuous spinning machine, Process and apparatus for. A. van der Mel. 2,459,254, Jan. 18.
Threadless pipe coupling. C. K. Stilliwagon. 2,459,251, Jan. 18.
Tinplate brightening apparatus, Continuous. J. S. Nachtman. 2,459,674, Jan. 18.
Tire tread. C. C. Dybvig. 2,459,750, Jan. 18.
Tire tread. A. Hargraves. 2,459,762, Jan. 18.
Tool: *See*—
Wire bound box closing tool.
Tool mechanism, Motor-driven. T. H. Ljunggren. 2,459,384, Jan. 18.
Torque responsive clutch. H. E. Carnagua and C. L. Swift. 2,459,361, Jan. 18.
Tow-pole and hitch, Trailer. P. J. Schmitz. 2,459,458, Jan. 18.
Tower structure. E. R. St. John. 2,459,198, Jan. 18.
Toy, Educational. D. E. Johnson. 2,459,321, Jan. 18.
Tractor and implement hitch, Automatic. R. R. Wymore. 2,459,731, Jan. 18.
Trailer body construction. J. J. Black. 2,459,766, Jan. 18.
Training apparatus, Sound ranging. C. M. Beyer and E. M. Bolze. 2,459,679, Jan. 18.
Transducer with separable pole faces, Magnetic. W. P. West. 2,459,299, Jan. 18.
Transfer apparatus, Bus. K. Mahnke. 2,459,662, Jan. 18.
Transfer mechanism. R. C. Cerruti. 2,459,264, Jan. 18.
Transformer, Variable differential. E. G. Ashcraft. 2,459,210, Jan. 18.
Transmission, Automatic. J. C. Chamberlain. 2,459,363, Jan. 18.
Transmission system for automobile vehicles. M. F. A. Julien. 2,459,705, Jan. 18.
Trap: *See*—
Animal trap.
Trap. D. B. Hampton. 2,459,160, Jan. 18.
Tray, S. M. Mabry. 2,459,443, Jan. 18.
Tray, Folded-blank box. C. H. Hensley. 2,459,645, Jan. 18.
Tray, Ice. D. L. Jocelyn. 2,459,168, Jan. 18.
Tray table. W. E. Jogwick and E. H. McLaughlin. 2,459,529, Jan. 18.
Triphenylmethyl butyl ether as an insecticide. I. Hechenbleikner. 2,459,525, Jan. 18.
Tripod head with a removable camera support. A. C. Coutant and J. Mathot. 2,459,626, Jan. 18.
Trolley wire hanger. S. S. Matthes. 2,459,386, Jan. 18.
Truck, Self-loading automotive. L. L. Troutman. 2,459,473, Jan. 18.
Truck with stair climbing shoe, Hand. J. C. Gates. 2,459,275, Jan. 18.
Truss. F. Hollingsworth. 2,459,381, Jan. 18.
Tube: *See*—
Astatic cathode-ray tube.
Tubing rack. D. M. Cox. 2,459,627, Jan. 18.
Tuning means comprising variable condenser and adjustable inductor of the mechanically deformable type. W. O. Bradford and E. G. Zapor. 2,459,493, Jan. 18.
2,3-dichlorobutadiene-1,3, Manufacture of. R. T. O'Donnell. 2,459,760, Jan. 18.
2,3-dimethylbutadiene from methyl pentadiene, Azeotropic distillation of. R. C. Brandon. 2,459,410, Jan. 18.
Tying device, Bag and container. L. E. Johnston. 2,459,530, Jan. 18.
Typewriting and accounting machine. O. J. Sundstrand. 2,459,469, Jan. 18.
V-belt tensioning clamp. F. F. Raniville. 2,459,393, Jan. 18.
Valve: *See*—
Control valve. Hydraulic valve.
Electronic valve. Rotary plug valve.
Fluid pressure valve. Safety and relief valve.
Valve coupling. J. van Schuyver. 2,459,477, Jan. 18.
Valve for heating systems, Air relief. F. C. Risselt. 2,459,241, Jan. 18.
Valve for overflow system. E. H. Herbert. 2,459,527, Jan. 18.
Valve mechanism for a hydraulic power unit. G. T. Baker. 2,459,613, Jan. 18.
Vapor electric device. W. E. Pakala. 2,459,582, Jan. 18.
Variable delivery pump. D. J. Munroe and J. C. McAlvay. 2,459,388, Jan. 18.
Vehicle. K. J. Watson. 2,459,478, Jan. 18.
Velocity modulation, Angular. G. L. Usselman. 2,459,556, Jan. 18.
Vending apparatus. L. T. Newman. 2,459,715, Jan. 18.
Venetian blind. R. E. Gearhart. 2,459,517, Jan. 18.
Ventilation for turbogenerators, Rotor. M. D. Rosa. 2,459,586, Jan. 18.
Vinylidene chloride resins, Heat stabilization of. M. R. Radcliffe. 2,459,746, Jan. 18.
Vitreous fused silica, Treating. T. K. Zagwyn and P. R. Kosting. 2,459,209, Jan. 18.
Voltage and phase control. S. Steinitz. 2,459,551, Jan. 18.

Removing ferrous and other particles from liquid, Automatically. A. Scrivener. 2,459,343, Jan. 18.

Wall construction, Trailer body side. J. J. Black. 2,459,765, Jan. 18.
Wall form, Concrete. J. J. Pirz. 2,459,719, Jan. 18.
Washer: *See*—
Cup washer.
Gas washer.
Wave length modulation. G. L. Usselman. 2,459,557, Jan. 18.
Wax esters of hydrocarbon sulfonates, Producing. E. Lieber and A. F. Cashman. 2,459,440, Jan. 18.
Weight, Releasable. S. E. Robbins and F. L. Larson. 2,459,287, Jan. 18.
Welding apparatus. C. P. Nielsen. 2,459,577, Jan. 18.
Welding system. J. H. England. 2,459,153–4, Jan. 18.
Welding together metal strip ends. W. F. Copp. 2,459,625, Jan. 18.
Welding with a fusible trough to support the comminuted mineral composition above the bottom of the welding zone, Blanketed electric. F. Rothe. 2,459,242, Jan. 18.
Wheel: *See*—
Fifth wheel.
Wheel assembly, Dual. C. P. Tolman. 2,459,347, Jan. 18.
Wheel balancing weights, Making. G. A. Lyon. 2,459,568, Jan. 18.
Wheel cover. G. A. Lyon. 2,459,569, Jan. 18.
Winding coiled bodies, Method and apparatus for. E. A. Nordberg. 2,459,536, Jan. 18.
Winding machine. C. D. Jencks and R. H. Lawson. 2,459,167, Jan. 18.
Wire bound box closing tool. G. T. and H. T. Boyd. 2,459,491, Jan. 18.
Wrench: *See*—
Hub-mounted wheel wrench.
Overhead valve tappet clearance adjusting wrench.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 18, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number = class, second number = subclass, third number = patent number

1— 2.2: 2,459,313
2— 69: 2,459,352
73: 2,459,590
268: 2,459,489
2,459,648
5— 98: 2,459,445
351: 2,459,756
7— 14.2: 2,459,560
8—116.2: 2,459,222
151.2: 2,459,254
9— 26: 2,459,355
12— 77: 2,459,179
123: 2,459,310
128.6: 2,459,592
142: 2,459,258
15— 352: 2,459,194
16— 114: 2,459,658
18— 3.5: 2,459,296
34: 2,459,205
47.5: 2,459,291
59: 2,459,543
22— 154: 2,459,402
23— 63: 2,459,414
121: 2,459,302
145: 2,459,714
150: 2,459,464
153: 2,459,438
224: 2,459,764
288: 2,459,425
24— 19: 2,459,436
68: 2,459,348
72.5: 2,459,497
81: 2,459,603
2,459,604
97: 2,459,703
211: 2,459,223
241: 2,459,380
25— 41: 2,459,680
131: 2,459,719
26— 29: 2,459,236
27— 21: 2,459,335
28— 71.7: 2,459,270
73: 2,459,620
29— 7: 2,459,735
148: 2,459,568
160: 2,459,316
30— 135: 2,459,232
337: 2,459,407
32— 28: 2,459,573
33— 78: 2,459,216
138: 2,459,554
147: 2,459,749
34— 13: 2,459,463
23: 2,459,345
76: 2,459,329
35— 1: 2,459,679
25: 2,459,150
48: 2,459,231
71: 2,459,321
36— 7.7: 2,459,455
59: 2,459,610
37— 146: 2,459,591
38— 66: 2,459,213
40—152.1: 2,459,576
41— 5.5: 2,459,392
43— 46: 2,459,288
2,459,401
52: 2,459,287
85: 2,459,580
91: 2,459,160
46— 174: 2,459,300
193: 2,459,555
48—118.5: 2,459,344
49— 2: 2,459,513
78.1: 2,459,209
51— 75: 2,459,707
97: 2,459,406
98: 2,459,233
56— 330: 2,459,471
57— 76: 2,459,346
60— 44: 2,459,447
54: 2,459,734
54.5: 2,459,326
61— 24: 2,459,140
62— 1: 2,459,227
4: 2,459,173
7: 2,459,337
17: 2,459,211
89.5: 2,459,243
108.5: 2,459,168
115: 2,459,311
141: 2,459,774
65— 13: 2,459,558
66— 1.5: 2,459,587
168: 2,459,426
190: 2,459,688
67— 4.1: 2,459,238
69— 9: 2,459,339
70— 16: 2,459,712
67: 2,459,683
459: 2,459,405
73— 4: 2,459,769
15.4: 2,459,738
33: 2,459,542
40: 2,459,535
50: 2,459,606
55: 2,459,483
136: 2,459,171
208: 2,459,689
300: 2,459,268
421: 2,459,383
426: 2,459,466
74— 5.1: 2,459,496
5.4: 2,459,495
22: 2,459,682
41: 2,459,334
99: 2,459,394
230.17: 2,459,377
2,459,378
242.11: 2,459,379
336.5: 2,459,363
483: 2,459,255
552: 2,459,271
700: 2,459,705
75— 3: 2,459,203
55: 2,459,256
76— 82: 2,459,391
77— 3: 2,459,713
58: 2,459,416
81— 56: 2,459,671
121: 2,459,672
82— 37: 2,459,421
84— 320: 2,459,274
377: 2,459,184
406: 2,459,500
87— 57: 2,459,617
88— 1: 2,459,206
16.2: 2,459,628
24: 2,459,418
2,459,552
89— 1: 2,459,182
1.7: 2,459,314
6.5: 2,459,308
35: 2,459,147
41: 2,459,159
47: 2,459,572
131: 2,459,158
169: 2,459,141
90— 33: 2,459,697
91— 8: 2,459,396
44: 2,459,324
46: 2,459,294
92— 2: 2,459,570
93— 2: 2,459,678
95— 8: 2,459,266
77.5: 2,459,362
89: 2,459,509
97— 225: 2,459,634
99— 132: 2,459,431
145: 2,459,563
2,459,574
281: 2,459,305
287: 2,459,498
331: 2,459,169
2,459,170
393: 2,459,657
101— 4: 2,459,276
38: 2,459,538
101— 344: 2,459,188
348: 2,459,189
102— 2: 2,459,357
37.7: 2,459,687
49: 2,459,163
56: 2,459,175
103— 37: 2,459,303
41: 2,459,388
87: 2,459,312
103: 2,459,220
106— 40: 2,459,685
146: 2,459,408
155: 2,459,708
179: 2,459,298
283: 2,459,520
108— 13: 2,459,415
113— 37: 2,459,585
116— 31: 2,459,202
117— 51: 2,459,161
120— 19: 2,459,701
47: 2,459,584
121— 18: 2,459,484
44: 2,459,475
2,459,695
46.5: 2,459,456
123— 73: 2,459,594
148: 2,459,297
169: 2,459,214
2,459,286
125— 11: 2,459,641
126— 38: 2,459,515
110: 2,459,575
127— 67: 2,459,548
128— 95: 2,459,381
136: 2,459,273
272: 2,459,304
129— 1: 2,459,541
13: 2,459,385
131— 184: 2,459,670
132— 46: 2,459,452
79: 2,459,733
84: 2,459,285
134— 160: 2,459,183
137— 21: 2,459,583
53: 2,459,553
69: 2,459,716
139: 2,459,148
144: 2,459,527
153: 2,459,664
138— 30: 2,459,317
37: 2,459,166
139— 255: 2,459,411
140— 123: 2,459,491
133: 2,459,504
144— 297: 2,459,681
146— 102: 2,459,200
182: 2,459,230
238: 2,459,368
148— 32.5: 2,459,492
150— 37: 2,459,218
152— 187: 2,459,757
209: 2,459,750
2,459,762
221: 2,459,751
154— 1: 2,459,295
33.05: 2,459,364
33.1: 2,459,721
42: 2,459,234
2,459,235
95: 2,459,279
130: 2,459,742
2,459,744
155— 31: 2,459,601
77: 2,459,269
124: 2,459,257
179: 2,459,755
2,459,758
182: 2,459,326
160— 115: 2,459,517
167— 22: 2,459,138
30: 2,459,525
32: 2,459,526
58: 2,459,566
81: 2,459,518
167— 90: 2,459,289
169— 31: 2,459,743
171— 95: 2,459,730
97: 2,459,486
2,459,596
2,459,631
2,459,662
119: 2,459,210
242: 2,459,155
2,459,605
252: 2,459,586
172— 36: 2,459,384
2,459,412
126: 2,459,265
2,459,510
173— 328: 2,459,272
2,459,647
339: 2,459,390
174— 18: 2,459,193
21: 2,459,212
45: 2,459,644
48: 2,459,659
121: 2,459,653
175— 41: 2,459,332
182: 2,459,196
183: 2,459,174
2,459,197
2,459,228
2,459,341
2,459,351
294: 2,459,186
2,459,306
2,459,639
356: 2,459,374
361: 2,459,322
366: 2,459,630
176— 122: 2,459,516
2,459,567
2,459,633
126: 2,459,511
177— 311: 2,459,142
2,459,239
2,459,499
329: 2,459,267
337: 2,459,429
351: 2,459,704
353: 2,459,494
178— 7.2: 2,459,778
179— 91: 2,459,237
100.2: 2,459,299
107: 2,459,325
171: 2,459,177
2,459,208
180— 1: 2,459,470
181— 26: 2,459,162
183— 15: 2,459,428
184— 55: 2,459,398
188— 129: 2,459,537
152: 2,459,663
210: 2,459,323
222.1: 2,459,776
189— 15: 2,459,198
192— 11: 2,459,373
48: 2,459,361
196— 16: 2,459,409
40: 2,459,419
50: 2,459,480
52: 2,459,474
53: 2,459,465
198— 32: 2,459,264
118: 2,459,358
204: 2,459,770
200— 5: 2,459,564
67: 2,459,661
83: 2,459,522
88: 2,459,427
2,459,588
89: 2,459,327
113.5: 2,459,573
116: 2,459,629
120: 2,459,691
148: 2,459,600
2,459,612
200— 150: 2,459,599
153: 2,459,330
202— 18: 2,459,550
39: 2,459,404
2,459,434
39.5: 2,459,403
42: 2,459,410
2,459,432
2,459,433
57: 2,459,760
202: 2,459,375
204— 2: 2,459,521
56: 2,459,365
206— 16: 2,459,460
19.5: 2,459,459
40.6: 2,459,646
45.19: 2,459,565
46: 2,459,400
56: 2,459,247
2,459,292
209— 72: 2,459,309
166: 2,459,219
210— 1.5: 2,459,343
2,459,534
120: 2,459,318
2,459,376
144: 2,459,353
149: 2,459,660
211— 60: 2,459,627
2,459,711
89: 2,459,331
2,459,417
214— 1.1: 2,459,204
17: 2,459,180
38: 2,459,524
78: 2,459,473
215— 25: 2,459,450
217— 19: 2,459,333
219— 4: 2,459,153
2,459,154
2,459,625
10: 2,459,242
13: 2,459,507
26: 2,459,371
32: 2,459,650
2,459,656
47: 2,459,225
2,459,260
2,459,622
2,459,623
220— 22: 2,459,561
26: 2,459,178
222— 110: 2,459,215
224— 4: 2,459,413
32: 2,459,249
227— 49: 2,459,545
229— 23: 2,459,727
2,459,728
34: 2,459,645
233— 18: 2,459,145
235— 59: 2,459,469
60.2: 2,459,441
60.29: 2,459,468
61: 2,459,399
61.12: 2,459,263
61.5: 2,459,726
236— 62: 2,459,241
240—10.66: 2,459,702
41: 2,459,151
241— 52: 2,459,248
159: 2,459,240
242— 45: 2,459,167
55.2: 2,459,252
76: 2,459,536
111: 2,459,336
244— 83: 2,459,143
102: 2,459,665
248— 42: 2,459,549
48: 2,459,533
50: 2,459,692
74: 2,459,307
103: 2,459,514
2,459,546
123: 2,459,722
248— 126: 2,459,626
159: 2,459,280
183: 2,459,676
210: 2,459,621
214: 2,459,246
253: 2,459,619
262: 2,459,503
358: 2,459,741
250— 9: 2,459,485
13: 2,459,261
20: 2,459,259
2,459,673
27: 2,459,638
2,459,724
27.5: 2,459,199
2,459,277
2,459,476
2,459,487
2,459,579
33.63: 2,459,768
36: 2,459,262
2,459,462
2,459,699
2,459,723
40: 2,459,493
41.5: 2,459,293
2,459,356
2,459,616
2,459,632
65: 2,459,528
71: 2,459,512
2,459,693
72: 2,459,694
83.3: 2,459,185
157: 2,459,732
164: 2,459,637
251— 126: 2,459,700
252— 48.6: 2,459,717
2,459,718
253— 59: 2,459,519
254— 52: 2,459,393
86: 2,459,508
143: 2,459,505
192: 2,459,260
255— 25: 2,459,472
257— 2: 2,459,490
259— 108: 2,459,224
260— 22: 2,459,176
23.7: 2,459,740
25: 2,459,651
26: 2,459,581
32.8: 2,459,164
43: 2,459,739
45.5: 2,459,761
45.95: 2,459,746
46.5: 2,459,387
73: 2,459,488
78.5: 2,459,501
79.5: 2,459,763
80: 2,459,439
85.1: 2,459,748
153: 2,459,435
159: 2,459,467
213: 2,459,547
236.5: 2,459,139
249.5: 2,459,397
2,459,710
251: 2,459,367
270: 2,459,771
279: 2,459,777
290: 2,459,146
2,459,191
2,459,192
2,459,359
2,459,696
291: 2,459,696
295.5: 2,459,360
302: 2,459,315
2,459,736
304: 2,459,226
314.5: 2,459,773
316: 2,459,424
344.6: 2,459,684
360: 2,459,366

260— 380: 2,459,149
407: 2,459,342
429: 2,459,754
448.2: 2,459,539
449.6: 2,459,441
456: 2,459,440
465: 2,459,420
465.6: 2,459,430
472: 2,459,217
485: 2,459,144
490: 2,459,686
530: 2,459,677
533: 2,459,690
551: 2,459,759
552: 2,459,725
561: 2,459,706
570.9: 2,459,338
611: 2,459,544
613: 2,459,540
624: 2,459,597
653: 2,459,767
671: 2,459,775
677: 2,459,442
260— 680: 2,459,449
681.5: 2,459,451
2,459,454
684: 2,459,636
694: 2,459,423
767: 2,459,745
818: 2,459,369
261— 94: 2,459,531
119: 2,459,635
266— 2: 2,459,618
3: 2,459,674
267— 9: 2,459,229
272— 29: 2,459,478
273— 36: 2,459,559
102.4: 2,459,156
277— 53: 2,459,613
279— 2: 2,459,453
75: 2,459,649
280—33.05: 2,459,772
33.14: 2,459,458
33.15: 2,459,245
2,459,731
33.17: 2,459,448
280— 33.5: 2,459,753
47: 2,459,275
104.5: 2,459,372
281— 44: 2,459,523
284— 19: 2,459,477
285— 38: 2,459,747
2,459,752
91: 2,459,389
93: 2,459,614
96.1: 2,459,301
96.3: 2,459,643
124: 2,459,608
2,459,609
137: 2,459,250
138: 2,459,382
154: 2,459,668
194: 2,459,251
286— 9: 2,459,654
11.13: 2,459,652
287— 14: 2,459,386
52.05: 2,459,221
288— 13: 2,459,370
33: 2,459,720
289— 17: 2,459,530
290— 2: 2,459,709
292— 163: 2,459,354
246: 2,459,666
255: 2,459,190
294— 67: 2,459,207
296— 28: 2,459,765
2,459,766
47: 2,459,502
298— 22: 2,459,506
299— 18: 2,459,244
301— 36: 2,459,347
37: 2,459,569
304—31.5: 2,459,437
305— 10: 2,459,737
308— 231: 2,459,446
237: 2,459,172
238: 2,459,598
309— 28: 2,459,642
33: 2,459,502
43: 2,459,157
44: 2,459,395
311— 11: 2,459,729
311— 22: 2,459,443
85: 2,459,529
312— 48: 2,459,715
155: 2,459,801
186: 2,459,571
315— 6: 2,459,593
26: 2,459,181
27: 2,459,187
2,459,278
30: 2,459,319
31: 2,459,602
32: 2,459,283
39: 2,459,152
40: 2,459,195
46: 2,459,284
58: 2,459,282
112: 2,459,261
194: 2,459,551
201: 2,459,582
237: 2,459,667
238: 2,459,624
246: 2,459,422
278: 2,459,577
316— 23: 2,459,532
318— 8: 2,459,253
31: 2,459,349
2,459,350
74: 2,459,595
151: 2,459,655
207: 2,459,479
225: 2,459,615
343: 2,459,340
363: 2,459,320
494: 2,459,611
524: 2,459,589
322— 24: 2,459,607
2,459,640
28: 2,459,669
332— 24: 2,459,456
2,459,457
41: 2,459,498
343— 6: 2,459,481
2,459,482
7: 2,459,457
14: 2,459,461
115: 2,459,165

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,459,151: 240—41
2,459,152: 315—39
2,459,157: 309—43
2,459,158: 89—131
2,459,173: 62—4
2,459,183: 134—160
2,459,195: 315—40
2,459,201: 285—96.1
2,459,213: 38—66
2,459,222: 8—116.2
2,459,223: 24—211
2,459,240: 241—159
2,459,246: 248—214
2,459,248: 241—52
2,459,249: 224—32
2,459,261: 315—112
2,459,272: 173—328
2,459,273: 128—136
2,459,279: 154—95
2,459,283: 315—32
2,459,284: 315—46
2,459,297: 123—148
2,459,298: 106—179
2,459,313: 1—2.2
2,459,317: 138—30
2,459,321: 35—71
2,459,335: 27—21
2,459,373: 192—11
2,459,382: 285—138
2,459,404: 202—39
2,459,422: 315—246
2,459,423: 260—694
2,459,437: 304—31.5
2,459,439: 260—80
2,459,441: 235—60.2
2,459,445: 598
2,459,460: 206—16
2,459,470: 180—1
2,459,471: 56—330
2,459,477: 284—19
2,459,495: 74—5.4
2,459,496: 74—6.1
2,459,511: 176—126
2,459,514: 248—103
2,459,533: 248—48
2,459,535: 73—40
2,459,543: 18—59
2,459,551: 315—194
2,459,556: 332—24
2,459,557: 332—24
2,459,561: 220—22
2,459,575: 126—110
2,459,576: 40—152.1
2,459,577: 315—278
2,459,583: 137—21
2,459,589: 318—524
2,459,594: 123—73
2,459,604: 24—81
2,459,608: 285—124
2,459,609: 285—124
2,459,610: 36—59
2,459,611: 318—494
2,459,617: 87—57
2,459,619: 248—253
2,459,626: 248—126
2,459,636: 260—684
2,459,638: 250—27
2,459,644: 174—45
2,459,653: 174—121
2,459,668: 285—154
2,459,676: 248—183
2,459,677: 260—530
2,459,696: 260—291
2,459,698: 332—41
2,459,705: 74—700
2,459,708: 106—155
2,459,711: 211—60
2,459,716: 137—69
2,459,722: 248—123
2,459,727: 229—23
2,459,728: 229—23
2,459,735: 29—7
2,459,740: 260—23.7
2,459,746: 260—43.95
2,459,748: 260—55.1
2,459,753: 260—33.5
2,459,759: 260—551
2,459,763: 260—79.5
2,459,770: 198—204
2,459,771: 260—270
2,459,775: 260—671
2,459,776: 188—222.1

Classification of Designs

D 1—12: Des. 152,399
D 4— 3: Des. 152,391
Des. 152,441
Des. 152,442
D 9— 2: Des. 152,419
D14— 3: Des. 152,400
6: Des. 152,398
Des. 152,429
27: Des. 152,433
D17— 7: Des. 152,447
D26—14: Des. 152,401
D26—14: Des. 152,402
Des. 152,403
Des. 152,404
Des. 152,405
Des. 152,406
Des. 152,407
Des. 152,408
Des. 152,409
Des. 152,410
Des. 152,411
Des. 152,412
D26—14: Des. 152,413
Des. 152,414
Des. 152,415
Des. 152,416
D34—15: Des. 152,425
D42— 8: Des. 152,417
D44—29: Des. 152,438
D45—10: Des. 152,396
16: Des. 152,434
19: Des. 152,388
Des. 152,420
D45—19: Des. 152,421
Des. 152,422
Des. 152,423
Des. 152,424
Des. 152,425
D48—20: Des. 152,390
31: Des. 152,445
Des. 152,446
32: Des. 152,437
D52— 1: Des. 152,427
3: Des. 152,392
D55— 1: Des. 152,435
D57— 1: Des. 152,389
Des. 152,432
D58— 6: Des. 152,393
9: Des. 152,431
D64—12: Des. 152,395
Des. 152,443
D71— 1: Des. 152,444
D72— 1: Des. 152,418
D80—11: Des. 152,428
D81—10: Des. 152,397
D83— 1: Des. 152,394
D85— 2: Des. 152,439
Des. 152,440
D88— 3: Des. 152,436
D90— 8: Des. 152,430

MANUFACTURER—PRODUCER—BANKER—LAWYER
TEACHER—STUDENT—AVERAGE CITIZEN

Know Your Government!

The Constitution
The Congress
The Courts
Executive Office of the President
Department of the Treasury
Bureau of Customs
National Military Establishment
Federal Security Agency
Food and Drug Administration
Housing and Home Finance Agency
Selective Service System
Veterans' Administration

INFORMATION about these and other Federal departments and agencies is to be found in the 1948 *United States Government Manual*, an authoritative 722-page handbook covering the legislative, executive, and judicial branches of the Government. Issued annually by the Division of the Federal Register, the National Archives.

$1.00 a copy

Order from SUPERINTENDENT OF DOCUMENTS
United States Government Printing Office, Washington 25, D. C.

U. S. GOVERNMENT PRINTING OFFICE: 1948

January 25, 1949 Volume 618 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

	Page
Issue of January 25, 1949	970
Patents Expiring	970
Applications Under Examination	971
Decisions of the U. S. Courts	
In re Jasper	973
Patent Suits	974
Notices	
Classification Order No. 45	975
Adjudicated Patent	975
Adverse Decisions in Interferences	975
Erratum	975
Disclaimers	975
Register of Patents Available for Licensing or Sale	976
Trade-Marks	
Published (150 Applications)	995
Registrations Granted	1015
Registrations Renewed	1026
Registrations Republished (253 Registrations)	1027
Reissues	1059
Patents Granted	1060
Designs	1182

January 25, 1949

Trade-Marks	46	No. 441,896	to No.	441,941, inclusive
T. M. (Act of 1946)	215	No. 505,913	to No.	506,127, inclusive
T. M. Renewals	33			
Reissues	3	No. 23,080	to No.	23,082, inclusive
Patents	487	No. 2,459,779	to No.	2,460,265, inclusive
Designs	65	No. 152,448	to No.	152,512, inclusive
Total	849			

Patents expiring: Patent Numbers 1,842,372 to 1,843,102, inclusive, issued January 26, 1932, expire January 26, 1949

Condition of Applications Under Examination at Close of Business Jan. 7, 1949

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	7-26-47	6-3-47	2848
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-26-47	12-18-46	2689
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	4-19-48	4-3-48	1199
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	2-14-47	4-15-47	4165
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	10-15-47	1-13-47	1632
6. SURLE, H., Carbon Chemistry (part)	2-17-48	11-20-47	1879
7. HANLIN, GEORGE, Optics; Photographic Apparatus	4-6-48	12-26-47	1632
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	4-30-47	1-17-47	4441
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-1-47	3-25-47	2444
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	4-2-48	3-17-48	1542
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	10-11-47	11-27-46	2009
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-26-48	11-1-46	2189
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-1-47	2-1-47	2894
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	3-1-48	12-30-47	1344
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	12-3-47	6-19-47	1957
16. LOVEWELL, N. N., Television; Telephony	4-13-48	8-28-47	1620
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-1-47	12-10-46	2146
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	11-4-47	12-19-46	2196
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1832
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	8-11-47	4-8-47	2028
21. MADER, R. C., Textiles	1-21-48	11-21-47	1253
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	1-23-48	3-11-47	1710
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	1-8-47	1159
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	12-4-47	12-4-47	2852
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-12-48	6-3-47	1765
26. YOUNG, R. R., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	11-3-47	4-24-47	1183
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	8-13-47	2-17-47	3302
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	4-2-48	12-24-47	1009
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	5-1-47	5-5-47	3202
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	4-7-48	4-6-48	1020
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-4-48	5-3-48	2101
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-4-47	11-5-46	2199
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	4-30-47	2-14-47	3722
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	10-31-47	2-25-47	1400
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	9-5-47	12-31-46	3456
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-21-47	1-8-47	2026
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-21-48	8-7-47	1366
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-14-48	10-20-47	1582
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	1-2-48	11-14-46	3085
40. DRUMMOND, E. J., Receptacles (part); Packages	3-2-48	3-4-47	3201
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-1-48	1-10-47	2252
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	5-15-48	4-9-48	1108
43. STONE, L. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	4-13-48	2-9-48	1204
44. HARVEY, L. P., Refrigeration	1-2-47	1-14-47	1014
45. MANTER W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-22-47	2-21-47	2556
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	10-11-47	2-7-47	1825

972 Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-8-48	10-6-47	2183
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	4-19-48	8-2-47	1453
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	8-11-47	2-25-47	2289
50. LEVIN, SAMUEL, Synthetic Resins	4-27-48	1-10-48	2129
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-16-48	1-7-48	1616
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	12-10-47	2-6-47	3899
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-12-47	12-6-46	2481
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-9-48	8-25-47	1643
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	2-6-48	11-4-47	1821
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	10-24-47	10-21-47	1787
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	7-11-47	2-7-47	3531
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	5-2-47	1948
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-20-47	3-5-47	1582
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants	5-3-48	11-29-47	1242
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	9-30-46	3789
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	2-26-48	6-6-47	1610
63. Winkelstein, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-2-48	9-23-47	1943
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-16-48	6-19-48	1638
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-10-48	10-6-47	2334
66. LISANN, I., Geometrical Instruments	4-8-47	4-18-46	2039
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	2-19-48	8-8-47	1995
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-19-48	12-16-47	1494
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-4-47	2176
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-8-47	3-15-47	1046
DESIGNS: BREHM, G. L	4-4-47	4-16-48	7240

Total number of trade-mark applications awaiting action (including renewals and republications), 36,758. Date of oldest new application, Oct. 20, 1947; date of oldest amended application, Apr. 17, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-20-48	6-5-48	3081
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	11-3-47	6-10-48	6083
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-20-47	7-14-48	5318
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	11-10-47	5-14-48	4700
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-24-47	7-7-48	3773
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-28-48	5-7-48	3443
7. KEYS, O. M., Classes 16, 19, 55	11-20-47	4-17-48	2331
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-13-48	11-26-48	174
	1-31-48	11-26-48	7855

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE JASPER

No. 5509. Decided December 7, 1948

[— F.2d —; — USPQ —]

1. PATENTABILITY—MAKING MULTI-LAYER HIGH PRESSURE CYLINDER.

Certain claims to a method of making a multi-layer high pressure cylinder *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 418,205.

AFFIRMED.

Elwin A. Andrus (*Lee B. Kemon* of counsel) for Jasper.

W. W. Cochran (*E. L. Reynolds* of counsel) for the Commissioner of Patents.

JOHNSON, *J.:*

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 1 and 2 in appellant's application for a patent for improvement in "Manufacture of Multi-Layer Cylinders for High Pressure Vessels." Claims 3, 4, 6, 7, and 8 were allowed.

Claim 1 is representative:

1. In the manufacture of multi-layer high pressure cylinders, the applying of a layer of sheet metal to the partially fabricated wall structure of the cylinder by tightly wrapping the layer upon said structure with the adjacent side edges of the layer constituting a longitudinal seam to be welded, pressing the layer tightly against the inner supporting structure by applying circumferential forces elastically squeezing the structure uniformly to a substantially smaller diameter, then welding the longitudinal seam in said layer, and thereafter releasing the squeezing pressure to effect an elastic return of the inner structure into said layer to thereby provide initial tensile stress in said layer and initial compressive stress in said structure.

The references relied upon are: Donnet (British), 342,945, Feb. 12, 1931; Watson, 2,219,085, Oct. 22, 1940.

The alleged invention provides a method of manufacture of multi-layer vessels whereby each layer, as it is applied from the inner layer to the outer layer, is stressed in a manner improving the stress distribution of the working load in service.

Claim 1 sets out the method of the alleged invention as applying a layer of sheet metal to the partially fabricated wall structure of the cylinder by tightly wrapping the layer upon said structure with the adjacent side edges of the layer constituting a longitudinal seam to be welded, then pressing the layer tightly against the inner supporting structure by applying circumferential forces elastically squeezing the structure uniformly to a substantially smaller diameter, then welding the longitudinal seam in said layer, and then releasing the squeezing pressure to effect an elastic return of the inner structure into said layer to provide thereby initial tensile stress in said layer and initial compressive stress in said structure.

In the Watson patent, supra, a covering is applied to a hollow shaft by applying heavy pressure by jaws of a press to the covering and then welding the edges. The jaws are formed to the dimensions desired in the finished article. After the welding, the pressure is removed. The Watson patent also describes in the specification the successive advancing of the article across the jaws of the press and the successive welding of the seam.

In the Donnet patent a layer of sheet metal is applied to a partially fabricated wall structure by two different methods. In one method he places the layer on the wall structure and applies hot hoops around the layer. When the hoops cool they ensure powerful and close application of the outer sheet metal envelope against the inner wall. The ends of the outer envelope are then welded together. In the other method the grip of the external envelope is produced by the pressure of collars by means of bolts and nuts bearing against suitable lugs.

The Examiner rejected claim 1 on Donnet, on Watson, or on Watson in view of Donnet. The Board sustained the Examiner's rejection of claim 1 on Watson or on Watson in view of Donnet.

Appellant contends that the Watson patent entirely lacks appellant's second step in claim 1 of "pressing the layer tightly against the inner supporting structure by applying circumferential forces elastically squeezing the structure uniformly to a substantially smaller diameter," and in claim 2 of "pressing the layer tightly against the inner supporting structure by applying circumferential contracting forces in successive longitudinal areas elastically squeezing the structure uniformly to a substantially smaller circumference." We do not agree with these contentions. The shaping of the jaws, as provided in the Watson patent, to the dimensions of the article will necessarily apply circumferential forces elastically squeezing the structure uniformly to a smaller dimension.

Claim 2 simply adds to the steps of claim 1 the successive squeezing and welding in successive longitudinal areas. This is old in the Watson patent and adds no patentability to claim 2.

The decision of the Board is affirmed.

AFFIRMED.

Vol. 618 • No. 4 Tuesday, January 25, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,749,977, B. F. Hutches, Jr., Parking clock; 2,088,300, C. C. Magee, Parking device; 2,118,318, same, Coin controlled parking meter; 2,137,111, Hale & Thuesen, Coin controlled time measuring mechanism; 2,262,783, C. A. Toce et al., Vehicle parking meter; 2,328,043, Woodruff & Toce, Parking meter, filed Dec. 22, 1948, D. C., N. D. Ohio, E. Div., Doc. 26088, *Duncan Meter Corp.* v. *Vehicular Parking, Ltd.*

1,758,795, L. L. Irvin, Parachute rip cord construction; 1,842,611, 2,016,236, same, Parachute apparatus; 1,958,000, H. G. Hamer, same; 1,899,656, Wigley & Austing, Parachute harness; 2,040,533, H. G. Rogers, same; 1,899,713, E. H. Nichols, Parachute pack, filed Dec. 20, 1948, D. C. Conn., Doc. 2492, *Irving Air Chute Co., Inc.*, v. *Pioneer Parachute Co.*

1,811,980, 2,051,348, F. H. Smith, Drying house, appeal filed Dec. 20, 1948, C. C. A., 4th Cir., Doc. 5840, *Smith's Heating, Inc.* v. *General Foundry Machine Co., Inc.*

1,842,611. (See 1,758,795.) 1,899,656. (See 1,758,795.)

1,899,713. (See 1,758,795.)

1,903,541, D. C. Bailey, Window glass channel, filed Dec. 15, 1948, D. C. N. H. (Concord), Doc. 749, *The Bailey Co., Inc.*, v. *Warren Mfg. Corp.*

1,958,000. (See 1,758,795.)

1,996,634, V. C. Vaughan, Water heater control system, filed Dec. 21, 1948, D. C., E. D. Wash. (Spokane), Doc. 780, *Westinghouse Electric Corp.* v. *A-1 Sales & Service, Inc.*

2,003,196, H. A. Jackson, Welding electrode holder, D. C., E. D. Mich., S. Div., Doc. 7447, *Jackson Products* v. *Welding Gas & Equipment Co.* Consent decree for plaintiff (notice Dec. 13, 1948).

2,016,236. (See 1,758,795.) 2,040,533. (See 1,758,795.)

2,051,348. (See 1,811,980.) 2,088,300. (See 1,749,977.)

2,118,318. (See 1,749,977.) 2,137,111. (See 1,749,977.)

2,242,197, B. G. West et al., Sound reproducing system; 2,291,115, Stark & Leyrer, Wired music distribution system, filed Dec. 20, 1948, D. C., W. D. Mich. (Grand Rapids), Doc. 1252, *Rodney Pantages, Inc.*, v. *A. M. I., Inc., et al.*

2,250,239, H. Sonnenfeld, Electrical power cable, filed Dec. 13, 1948, D. C. N. J., Doc. 11880, *General Cable Corp.* v. *The Okonite-Callender Cable Co., Inc.*

2,262,783. (See 1,749,977.)

2,278,437, P. H. Gentsel, Safety valve construction; Re. 22,164, same, Valve mechanism, filed Dec. 13, 1948, D. C., S. D. N. Y., Doc. 48/338, *P. H. Gentzel et al.* v. *Manning, Maxwell & Moore, Inc.*

2,291,115. (See 2,242,197.)

2,309,952. (See Re. 22,203.)

2,328,043. (See 1,749,977.)

2,351,492, E. Cowles, Method and apparatus for treating paper stock, appeal filed Dec. 20, 1948, C. C. A., 2d Cir., Doc. 21209, *The Cowles Co. et al.* v. *Frost-White Paper Mills, Inc., et al.*

2,382,616, L. del Riccio, Photographic method, filed Dec. 11, 1948, D. C., N. D. Calif., S. Div., Doc. 28484-H, *Photo Patrol, Inc., et al.*, v. *Thorobred Photo Service, Inc., et al.*

2,411,462, H. M. Plehn, Brassière and method of making same, filed Dec. 7, 1948, D. C., W. D. Mo. (Kansas City), Doc. 5456, *Peter Pan Foundations, Inc.*, v. *Beard & Gabelman, Inc.*

2,417,687, L. Hunan, Brassière, D. C., S. D. N. Y., Doc. 41/718, *Exquisite Form Brassiere, Inc.*, v. *Mayfair Bra Co., Inc., et al.* Consent judgment for injunction against L & W Brassiere Co., Sept. 9, 1947. Discontinued as to Mayfair Bra Co., Inc., Nov. 22, 1948, and as to Stephen Jay Co., Inc., Dec. 9, 1948.

2,435,729. (See Re. 22,203.)

2,447,354, M. A. Morrill, Rotary side delivery rake, filed Dec. 7, 1948, D. C., S. D. Calif., N. Div., Doc. 768-ND, *West Coast Sales & Service Co.* v. *F. Prater & Son.* Consent judgment holding infringement; injunction granted (notice Dec. 21, 1948). Same, filed Dec. 7, 1948, D. C., N. D. Tex. (Fort Worth), Doc. 1713, *West Coast Sales & Service Co.* v. *Sargent Mfg. Co., Inc., et al.* Same, filed Dec. 8, 1948, D. C., N. D. Iowa (Fort Dodge), Doc. 416, *West Coast Sales & Service Co.* v. *Twin Draulic, et al.* Same, D. C., W. D. Mo. (Kansas City), Doc. 5462, *M. A. Morrill et al.* v. *Automatic Industries, Inc., et al.*

2,450,631, E. Buchler, Garment, filed Dec. 21, 1948, D. C., E. D. N. Y., Doc. C-9580, *Lisle Mills, Inc.*, v. *Arkay Infants Wear, Inc., et al.*

Re. 22,164. (See 2,278,437.)

Re. 22,203, Bosio & Puett, Starting gate; 2,309,952, 2,435,729, Harris & Whann, same, filed Dec. 8, 1948, D. C. Ariz. (Phoenix), Doc. 1247, *Puett Electrical Starting Gate Corp.* v. *Ingleside Turf Club, Inc., et al.*

Des. 151,423, L. P. Weil, Portable electric fountain, filed Dec. 16, 1948, D. C., E. D. Pa., Doc. 9186, *L. P. Weil* v. *F. Gedminas.*

T. M. 128,351, T. M. 199,341, The Crown Overall Mfg. Co., Overalls, filed Dec. 10, 1948, D. C., N. D. Ga. (Atlanta), Doc. 3557, *The Crown Overall Mfg. Co., Inc.*, v. *Crown Garment Co., Inc., et al.*

T. M. 199,341. (See T. M. 128,351.)

T. M. 289,764. (See T. M. 369,898.)

T. M. 365,776. (See T. M. 369,898.)

T. M. 369,898, Kitty Kelly Shoe Corp., Shoe; T. M. 365,776, Same, Traveling bags, hand bags, trunks, etc.; T. M. 289,764, Stern & Kellner, Shoes, slippers, hosiery, etc., filed Apr. 26, 1948, D. C., E. D. Mich., S. Div., Doc. 7301, *Kitty Kelly Shoe Corp.* v. *Kitty Kelly Shop.*

NOTICES

Classification Order No. 45

January 4, 1949

The following transfer is hereby ordered to take effect January 5, 1949:

Class 38, Textiles, Ironing or Smoothing, from Division 27 to Division 49.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

Adjudicated Patent

(D. C. La.) Hall Patent, No. 2,220,237, for a well cleaner, claims 1, 3, and 4 held valid. *Hall* v. *Keller*, 80 F. Supp. 763; 79 USPQ 286.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,428,745, G. H. Stillson, Alkylation of phenols, decided Nov. 18, 1948, claim 6.

Pat. 2,412,481, T. O. Summers, Jr., Friction-actuated erecting mechanism, decided Dec. 16, 1948, claims 1, 2, 4, 5, 6, 7, 9, 10, and 11.

Erratum

In the notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 408,772, appearing in the OFFICIAL GAZETTE of December 21, 1948, page 713, for "Blau-Knox Company" read *Blaw-Knox Company.*

Disclaimers

Re. 22,858.—*Warren D. Roth, Leo C. Brown,* and *Guy W. Phelps,* Chicago, Ill. METHOD OF MANUFACTURING ICE CREAM AND THE PRODUCT THEREOF. Patent dated Mar. 25, 1947. Disclaimer filed Dec. 16, 1948, by the assignee, *Industrial Patents Corporation.*

Hereby enters this disclaimer to that part of the claims in said specification, to wit:

(a) As much of claim 15 as is in excess of the following: The process of manufacturing an improved ice cream product which comprises adding thereto and dissolving therein a small percentage of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

(b) As much of claim 16 as is in excess of the following: As an article of manufacture, a new food product composed of ice cream containing a small percentage of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

(c) As much of claim 17 as is in excess of the following: In the manufacture of ice cream, the method of improving the texture and controlling the overrun of the ice cream which comprises adding to the ice cream mix and dissolving therein a small percentage of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

(d) As much of claim 18 as is in excess of the following: As an article of manufacture, a new food product composed of ice cream of improved texture and controlled overrun containing a small percentage of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

(e) As much of claim 19 as is in excess of the following: In the manufacture of ice cream, the method of improving the texture and controlling the overrun of the ice cream which comprises adding to the ice cream mix and dissolving therein a small percentage, up to 0.2 per cent by weight, of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

(f) As much of claim 20 as is in excess of the following: As an article of manufacture a new food product composed of ice cream of improved texture and controlled overrun containing a small percentage, up to 0.2 per cent by weight, of an ester of glycerol and a higher fatty acid being characterized by one or more free alcoholic hydroxyl groups in the glycerol part of the ester.

2,405,242.—*George C. Southworth,* Red Bank, N. J. MICROWAVE RADIO TRANSMISSION. Patent dated Aug. 6, 1946. Disclaimer filed Dec. 21, 1948, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claims 13, 14, and 20 of said patent.

2,409,456.—*William A. Tolson* and *Carl A. Meneley,* Princeton, N. J. RADIANT ENERGY LOCATING SYSTEM. Patent dated Oct. 15, 1946. Disclaimer filed Dec. 21, 1948, by the assignee, *Radio Corporation of America.*

Hereby enters this disclaimer to claims 1, 2, 3, 6, 9, and 10 of said Letters Patent.

2,416,290.—*Wallace A. Depp,* Elmhurst, N. Y. CATHODE-RAY OSCILLOSCOPE CIRCUIT. Patent dated Feb. 25, 1947. Disclaimer filed Dec. 23, 1948, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claim 3 of said patent.

2,417,829.—*Arthur C. Keller,* Bronxville, N. Y. COMPRESSIONAL WAVE SIGNALING DEVICE. Patent dated Mar. 25, 1947. Disclaimer filed Dec. 23, 1948, by the assignee, *Bell Telephone Laboratories, Incorporated.*

Hereby enters this disclaimer to claim 4 of said patent.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Imperial Chemical Industries, Ltd., London, England, has placed more than 1100 U. S. patents on the Register of Patents as available for license on reasonable terms. Listing of the patents began in the OFFICIAL GAZETTE of January 18 (Reg. Nos. 16,816 through 17,522) and is completed in this issue. The following patents (Reg. Nos. 17,523 through 17,911) are in Group 28.

Inquiries concerning these patents should be addressed to Cushman, Darby & Cushman, American Security Bldg., 730 15th St., N. W., Washington 5, D. C.

Pat. 2,206,354. Starch Amines. July 2, 1940.

Pat. 2,208,640. Coated Fabric and the Production Thereof. July 23, 1940.

Pat. 2,211,947. Pyridine Derivatives. Aug. 20, 1940.

Pat. 2,213,693. Pigment Preparation. Sept. 3, 1940.

Pat. 2,213,726. Compounds of the Phthalocyanine Series. Sept. 3, 1940.

Pat. 2,214,454. Manufacture of Finely Divided Phthalocyanine Pigments. Sept. 10, 1940.

Pat. 2,214,469. Process for Manufacturing Halogenated Phthalocyanines. Sept. 10, 1940.

Pat. 2,214,477. Manufacture of Phthalocyanines. Sept. 10, 1940.

Pat. 2,216,229. Manufacture of New Azo Dyestuffs. Oct. 1, 1940.

Pat. 2,216,761. Manufacture of Coloring Matters. Oct. 8, 1940.

Pat. 2,216,867. Manufacture of Coloring Matters. Oct. 8, 1940.

Pat. 2,216,868. Manufacture of Coloring Matters. Oct. 8, 1940.

Pat. 2,217,696. Resist Color Printing. Oct. 15, 1940.

Pat. 2,217,697. Production of Resist Effects Illuminated With Vat Dyestuff. Oct. 15, 1940.

Pat. 2,217,805. Printing Cellulosic Textile Materials. Oct. 15, 1940.

Pat. 2,217,850. Process for the Recovery of Oxygen From Gaseous Mixtures. Oct. 15, 1940.

Pat. 2,218,148. Manufacture of Benzene Hexachloride. Oct. 15, 1940.

Pat. 2,218,344. Manufacture of Condensation Products From Phenols. Oct. 15, 1940.

Pat. 2,218,563. Manufacture of Explosive Compositions or Blasting Charges. Oct. 22, 1940.

Pat. 2,219,395. Manufacture of Pigmented Oil Compositions. Oct. 29, 1940.

Pat. 2,220,963. Azo Dyestuffs. Nov. 12, 1940.

Pat. 2,221,391. Manufacture of Double Base Propellent Powders. Nov. 12, 1940.

Pat. 2,224,912. Manufacture of Butadiene. Dec. 17, 1940.

Pat. 2,224,927. Treatment of Wool and Woollen Materials. Dec. 17, 1940.

Pat. 2,225,061. Anthraquinone Dyestuffs. Dec. 17, 1940.

Pat. 2,226,101. Manufacture of Ammonium Sulphate. Dec. 24, 1940.

Pat. 2,226,202. Synthetic Resinous Materials. Dec. 24, 1940.

Pat. 2,226,391. Method of Manufacturing Basic Lead Trinitro-M-Cresolate. Dec. 24, 1940.

Pat. 2,227,900. Manufacture of Rubber Articles. Jan. 7, 1941.

Pat. 2,228,742. Manufacture of Ammonium Sulphate. Jan. 14, 1941.

Pat. 2,229,208. Gas Generating Cartridge. Jan. 21, 1941.

Pat. 2,230,351. Halogenated Castor Oil-Polycarboxylic Acid Products. Feb. 4, 1941.

Pat. 2,230,624. Extraction of Protein From Peanuts. Feb. 4, 1941.

Pat. 2,230,827. Manufacture of Guanidine Nitrate. Feb. 4, 1941.

Pat. 2,231,471. Laminated Glass. Feb. 11, 1941.

Pat. 2,231,623. Synthetic Rubber-Like Materials. Feb. 11, 1941.

Pat. 2,232,429. Composition of Matter. Feb. 18, 1941.

Pat. 2,232,634. Shotgun Cartridge. Feb. 18, 1941.

Pat. 2,232,943. Manufacture of Unsaturated Esters. Feb. 25, 1941.

Pat. 2,232,944. Manufacture of 1-Carbalkoxybutadienes-1,3. Feb. 25, 1941.

Pat. 2,233,068. Apparatus for Wrapping Cylindrical Articles. Feb. 25, 1941.

Pat. 2,233,583. Monoazo Dyestuffs. Mar. 4, 1941.

Pat. 2,233,835. Manufacture of Halogenated Organic Acids Containing Three Carbon Atoms and Derivatives Thereof. Mar. 4, 1941.

Pat. 2,233,873. Azo Dyestuff Intermediates. Mar. 4, 1941.

Pat. 2,234,283. New Insoluble Azo Dyestuffs. Mar. 11, 1941.

Pat. 2,235,009. Manufacture of Fuseheads. Mar. 18, 1941.

Pat. 2,235,056. Process for the Recovery of Glycerol From Still Residues From Fermentation Processes. Mar. 18, 1941.

Pat. 2,235,057. Process for the Recovery of Glycerol From Still Residues From Fermentation Processes. Mar. 18, 1941.

Pat. 2,235,059. Cartridging of Gelatinous and Semi-Gelatinous Blasting Explosives. Mar. 18, 1941.

Pat. 2,235,060. Manufacture of Explosive Compositions or Blasting Charges. Mar. 18, 1941.

Pat. 2,236,618. Azo Dyestuffs. Apr. 1, 1941.

Pat. 2,236,672. Brominated Arylaminoanthraquinone Compounds. Apr. 1, 1941.

Pat. 2,237,296. Manufacture of Substituted Amides. Apr. 8, 1941.

Pat. 2,237,772. Manufacture of Azo Pigments. Apr. 8, 1941.

Pat. 2,240,989. Degreasing of Metal Articles. May 6, 1941.

Pat. 2,241,406. Fuse Head and Compositions for Use Therefor. May 13, 1941.

Pat. 2,241,709. Removal of Thionates From Solution. May 13, 1941.

Pat. 2,242,301. Coloring Matter of the Phthalocyanine Type. May 20, 1941.

Pat. 2,243,682. Cellulosic Material. May 27, 1941.

Pat. 2,244,437. Dimethyl Alpha, Alpha'-Dimethyldihydromuconate. June 3, 1941.

Pat. 2,245,514. Absorption of Bromine. June 10, 1941.

Pat. 2,247,422. Resinous Condensation Products and the Production Thereof. July 1, 1941.

Pat. 2,250,662. Molding Powder of Urea-Formaldehyde Resin Containing a Curing Accelerator. July 29, 1941.

Pat. 2,250,663. Molding Powder of Urea-Formaldehyde Resin Containing a Curing Accelerator. July 29, 1941.

Pat. 2,250,929. Manufacture of Improved Filaments, Threads, Foils or Sheets of Cellulose Esters or Ethers. July 29, 1941.

Pat. 2,250,930. Treatment of Wool and Silk. July 29, 1941.

Pat. 2,250,935. Safety Blasting Explosive. July 29, 1941.

Pat. 2,251,081. Purification of Hydroxy-Aldehydes and Hydroxy-Ketones. July 29, 1941.

Pat. 2,258,297. Gelatinous Solutions of Cellulose Compounds. Aug. 19, 1941.

Pat. 2,253,555. Nitro-Amino-Pyrenes and Process for Making Same. Aug. 26, 1941.

Pat. 2,254,354. Organic Compound. Sept. 2, 1941.

Pat. 2,255,602. Safety Blasting Device and Method. Sept. 9, 1941.

Pat. 2,256,298. Blasting Device. Sept. 16, 1941.

Pat. 2,259,602. Manufacture of Substituted Amides. Oct. 21, 1941.

Pat. 2,262,464. Production of New Azo Dyestuffs on Cellulose Materials. Nov. 11, 1941.

Pat. 2,263,994. Disazo Dyestuffs. Nov. 25, 1941.

Pat. 2,264,025. Manufacture of 1-Cyanobutadiene-1 : 3. Nov. 25, 1941.

Pat. 2,264,026. Manufacture of 1-Cyanobutadiene-1,3. Nov. 25, 1941.

Pat. 2,264,431. Hardening of Steel Articles. Dec. 2, 1941.

Pat. 2,264,519. Apparatus for Degreasing Non-Absorbent Articles. Dec. 2, 1941.

Pat. 2,265,356. Manufacture of New Organic Compounds. Dec. 9, 1941.

Pat. 2,265,785. Manufacture of Methacrylic Acid Dec. 9, 1941.

Pat. 2,265,433. Insoluble Azo Dyes. Dec. 9, 1941.

Pat. 2,265,785. Manufacture of Methacrylic Acid Esters. Dec. 9, 1941.

Pat. 2,265,814. Manufacture of Derivatives of Unsaturated Acids. Dec. 9, 1941.

Pat. 2,268,108. Insecticidal Compositions. Dec. 30, 1941.

Pat. 2,269,885. Manufacture of Azo Pigments. Jan. 13, 1942.

Pat. 2,270,024. Emulsions of the Interpolymerization Product of 2-Ethyl Hexyl Methacrylate and Methyl Methacrylate and Textile Fabrics Treated Therewith. Jan. 13, 1942.

Pat. 2,272,810. Printing Cellulosic Textile Materials. Feb. 10, 1942.

Pat. 2,273,140. Production of Synthetic Resins for Molding. Feb. 17, 1942.

Pat. 2,275,130. Disazo Dyestuffs. Mar. 3, 1942.

Pat. 2,276,761. Apparatus for the Classification of Material. Mar. 17, 1942.

Pat. 2,277,158. Insecticidal Composition. Mar. 24, 1942.

Pat. 2,277,588. Manufacture of Phthalocyanine Dyestuffs. Mar. 24, 1942.

Pat. 2,277,628. Coloring Matters of the Phthalocyanine Series. Mar. 24, 1942.

Pat. 2,277,629. Coloring Matters of the Phthalocyanine Series. Mar. 24, 1942.

Pat. 2,278,417. Treatment of Cellulosic Material. Apr. 7, 1942.

Pat. 2,278,418. Treatment of Cellulosic Material. Apr. 7, 1942.

Pat. 2,280,072. Substituted Phthalocyanines. Apr. 21, 1942.

Pat. 2,282,371. Coated Sheet Materials. May 12, 1942.

Pat. 2,282,379. New Insoluble Monoazo Compounds. May 12, 1942.

Pat. 2,282,732. Composition for Treating Soil. May 12, 1942.

Pat. 2,283,667. Manufacture of New Azo Dyestuffs. May 19, 1942.

Pat. 2,284,280. Synthetic Rubber-Like Materials From 1-Cyanobutadiene-1,3 and 2-Chlorobutadiene-1,3. May 26, 1942.

Pat. 2,284,281. Synthetic Rubber-Like Material From 1-Cyanobutadiene-1,3 and Butadiene-1,3. May 26, 1942.

Pat. 2,285,483. Manufacture of Sulpho-Trimellitic Acid. June 9, 1942.

Pat. 2,285,511. Phthalimide Coloring Matter. June 9, 1942.

Pat. 2,285,514. Manufacture of Methyl Cellulose. June 9, 1942.

Pat. 2,285,516. Manufacture of Soluble Nitro-Dyestuffs and Their Application. June 9, 1942.

Pat. 2,285,858. Electrolytic Process for the Production of Quinone and Hydroquinone. June 9, 1942.

Pat. 2,286,264. Polymerisation Product of Alpha-chloroacrylic Compounds and Preparation of Same. June 16, 1942.

Pat. 2,286,679. Coloring Matter of the Phthalocyanine Type. June 16, 1942.

Pat. 2,287,773. Rubber-Like Materials. June 30, 1942.

Pat. 2,287,774. Rubber-Like Materials. June 30, 1942.

Pat. 2,287,904. Derivatives of Phenols. June 30, 1942.

Pat. 2,290,555. Detection of Fuel Gases. July 21, 1942.

Pat. 2,290,668. Degreasing Metal Strip. July 21, 1942.

Pat. 2,290,906. Manufacture of Coloring Matters of the Phthalocyanine Series. July 28, 1942.

Pat. 2,292,129. Oxidation of Trichlorethylene. Aug. 4, 1942.

Pat. 2,292,479. Textile Treatment Agent. Aug. 11, 1942.

Pat. 2,293,266. Chemical Apparatus. Aug. 18, 1942.

Pat. 2,293,969. Manufacture of Cyanoacrylic Acid Esters. Aug. 25, 1942.

1940.

Apr. 8, 1941.

Pat. 2,295,985. Rubber Antioxidants. Sept. 15, 1942.

Pat. 2,296,403. Polymerization of Water-Insoluble Organic Compounds Dispersed in an Aqueous Vehicle. Sept. 22, 1942.

Pat. 2,297,564. Manufacture of Chlorinated Aliphatic Hydrocarbons. Sept. 29, 1942.

Pat. 2,298,169. Manufacture of Diphenylacetophenone. Oct. 6, 1942.

Pat. 2,299,128. Polymerizable Composition. Oct. 20, 1942.

Pat. 2,300,453. Anthrapyridone Dyestuffs. Nov. 3, 1942.

Pat. 2,301,206. Manufacture of Terphenyl Derivatives. Nov. 10, 1942.

Pat. 2,301,283. Packaging of Gas-Pressure-Generating Cartridges. Nov. 10, 1942.

Pat. 2,301,260. Medicinal Compounds. Nov. 10, 1942.

Pat. 2,303,191. Quaternary Ammonium Compound and Process of Making the Same. Nov. 24, 1942.

Pat. 2,304,502. Dyeing With Vat Dyestuffs. Dec. 8, 1942.

Pat. 2,305,106. Manufacture of Acetonitrile. Dec. 15, 1942.

Pat. 2,310,478. Process for the Treatment of Methylamines. Feb. 9, 1943.

Pat. 2,310,569. Degreasing of Metal Articles. Feb. 9, 1943.

Pat. 2,311,046. Manufacture of Aromatic Isocyanates. Feb. 16, 1943.

Pat. 2,311,753. Manufacture of New Anilides. Feb. 23, 1943.

Pat. 2,311,754. Manufacture of Anilides. Feb. 23, 1943.

Pat. 2,314,251. Pulverizing Granular Materials. Mar. 16, 1943.

Pat. 2,314,443. Purification of Alpha-Chloroacrylic Compounds Preliminary to Polymerization. Mar. 23, 1943.

Pat. 2,314,606. Apparatus Useful for the Manufacture of Electric Blasting Caps. Mar. 23, 1943.

Pat. 2,314,615. Production of Nitro Compounds. Mar. 23, 1943.

Pat. 2,317,865. Automatic Bag Filling and Weighing Machine. Apr. 27, 1943.

Pat. 2,318,282. Fuse Anchor. May 4, 1943.

Pat. 2,319,009. Shaped Articles Made From Vegetable Seed Proteins and Process of Making Same. May 11, 1943.

Pat. 2,321,321. Cartridge Shell Crimper. June 8, 1943.

Pat. 2,321,467. Manufacture of Tertiary Bases. June 8, 1943.

Pat. 2,321,823. Oxidation of Perchloroethylene. June 15, 1943.

Pat. 2,322,309. Flocculose Vinyl Halide Polymers. June 22, 1943.

Pat. 2,326,531. Coloring of Synthetic Resinous Compositions. Aug. 10, 1943.

Pat. 2,327,128. Production of Pastes From Polymerised Vinyl Chloride. Aug. 17, 1943.

Pat. 2,327,162. New Water-Repellent Agent and Process of Making Same. Aug. 17, 1943.

Pat. 2,327,405. Printing Vat Dyestuffs. Aug. 24, 1943.

Pat. 2,327,484. Apparatus for Grading Electrical Resistances and Articles Comprising Them. Aug. 24, 1943.

Pat. 2,328,734. Arylamides of Hydroxy Naphthoic Acids. Sept. 7, 1943.

Pat. 2,329,798. Acetate Artificial Silk Dyestuffs. Sept. 21, 1943.

Pat. 2,330,707. Production of Pattern Effects on Acetate Rayon. Sept. 28, 1943.

Pat. 2,331,007. Manufacture of Electric Detonators. Oct. 5, 1943.

Pat. 2,336,221. Dyeing Wooled Sheepskins. Dec. 7, 1943.

Pat. 2,336,916. Production of Thiophene. Dec. 14, 1943.

Pat. 2,338,187. Heat Stable Composition Containing Vinyl Chloride Polymers. Jan. 4, 1944.

Pat. 2,339,739. Dyeing Cellulosic Fiber With Phthalocyanines. Jan. 18, 1944.

Pat. 2,339,740. Phthalocyanine Azo Dyes on Cellulosic Fibers. Jan. 18, 1944.

Pat. 2,340,375. Treatment of Cellulose Esters and Ethers. Feb. 1, 1944.

Pat. 2,340,909. Manufacture of Artificial Fibers From Protein Material. Feb. 8, 1944.

Pat. 2,341,687. Manufacture of Thiasoles. Feb. 15, 1944.

Pat. 2,342,662. Mercapto-Phthalocyanines. Feb. 29, 1944.

Pat. 2,342,663. Manufacture of Phthalocyanines. Feb. 29, 1944.

Pat. 2,344,798. Manufacture of Organic Esters. Mar. 21, 1944.

Pat. 2,345,126. Manufacture of Resinous Products Derived From Acrylic Acid. Mar. 28, 1944.

Pat. 2,346,492. Manufacture of Primary Amino-Substituted Aromatic Amides. Apr. 11, 1944.

Pat. 2,346,771. Anthraquinone Compounds. Apr. 18, 1944.

Pat. 2,347,677. Film, Filament, Fiber or Other Shaped Article Made by Hardening Proteins Coagulated From Their Solutions. May 2, 1944.

Pat. 2,349,089. Stabilised Diazonium Derivative of Phthalocyanine Compounds. May 16, 1944.

Pat. 2,349,090. Stabilised Polydiazo-Phthalocyanines. May 16, 1944.

Pat. 2,349,091. Stabilised Polydiazo-Phthalocyanines. May 16, 1944.

Pat. 2,349,461. Manufacture of Amines. May 23, 1944.

Pat. 2,351,118. Coloring Matters of the Phthalocyanine Series. June 13, 1944.

Pat. 2,351,119. Coloring Matter of the Phthalocyanine Series. June 13, 1944.

Pat. 2,351,133. Monoazo Dyestuff. June 13, 1944.

Pat. 2,352,525. Chlorination of Polymeric Materials. June 27, 1944.

Pat. 2,356,060. Anthraquinone Vat Dyestuffs. Aug. 15, 1944.

Pat. 2,356,061. Anthraquinone Dyestuffs. Aug. 15, 1944.

Pat. 2,357,469. Isolation of Water-Insoluble Celluloses Hydroxy Fatty Acids and Their Water-Soluble Salts. Sept. 5, 1944.

Pat. 2,357,958. Monoazo Red Acid Dyes. Sept. 12, 1944.

Pat. 2,358,219. Production of Solutions for the Manufacture of Artificial Fibers. Sept. 12, 1944.

Pat. 2,358,427. Manufacture of Filaments From Vegetable Globulin. Sept. 19, 1944.

Pat. 2,359,912. Sulphanilamide Derivatives. Oct. 10, 1944.

Pat. 2,361,560. Black Tetrakisazo Dyestuffs. Oct. 31, 1944.

Pat. 2,364,192. Synthetic Phenolic Resins. Dec. 5, 1944.

Pat. 2,364,227. Production of Polymeric Vinyl Materials With an Improved Resistance to Water. Dec. 5, 1944.

Pat. 2,364,414. Sulphur Compounds. Dec. 5, 1944.

Pat. 2,365,623. Preparation of Dihydropyran. Dec. 19, 1944.

Pat. 2,366,165. Gas Pressure-Generating Cartridge. Jan. 2, 1945.

Pat. 2,366,464. Manufacture of Tetrahydrofuran. Jan. 2, 1945.

Pat. 2,368,638. Transport of Aqueous Emulsions and Liquid Explosives. Feb. 6, 1945.

Pat. 2,368,657. Manufacture of Dyestuffs. Feb. 6, 1945.

Pat. 2,369,122. Treatment of Materials. Feb. 13, 1945.

Pat. 2,369,776. Nitrogenous Organic Compounds and Their Applications. Feb. 20, 1945.

Pat. 2,370,392. Halogeno-Ketones. Feb. 27, 1945.

Pat. 2,370,537. Monoazo Dyestuffs. Feb. 27, 1945.

Pat. 2,372,046. Compositions for Use in Agriculture or Horticulture. Mar. 20, 1945.

Pat. 2,373,693. Monoazo Dyestuffs. Apr. 17, 1945.

Pat. 2,374,158. Monoazo Dyestuffs. Apr. 17, 1945.

Pat. 2,374,646. Artificial Resinous Condensation Products and Their Manufacture. May 1, 1945.

Pat. 2,375,545. Process for the Production of Trichloroacetonitrile. May 8, 1945.

Pat. 2,377,066. Cleansing Compositions. May 29, 1945.

Pat. 2,377,642. Manufacture of Chlorosulphonic Acid. June 5, 1945.

Pat. 2,378,140. Synthetic Rubber-Like Materials Comprising Butadiene-1,3-Interpolymers. June 12, 1945.

Pat. 2,379,104. Manufacture of Esters. June 26, 1945.

Pat. 2,379,409. Process for Chlorinating Polymeric Materials. July 3, 1945.

Pat. 2,379,948. Organic Isocyanates. July 10, 1945.

Pat. 2,380,620. Production of Alkali Metal Percarbonates. July 31, 1945.

Pat. 2,380,934. Substituted Ureas. Aug. 7, 1945.

Pat. 2,381,083. Cartridge Case. Aug. 7, 1945.

Pat. 2,381,088. Viscous Solutions of Vegetable Globulins. Aug. 7, 1945.

Pat. 2,382,241. Production of Nitroparaffins. Aug. 14, 1945.

Pat. 2,382,629. Interpolymerisation Products. Aug. 14, 1945.

Pat. 2,382,845. Preparation of Sulphur Nitride. Aug. 14, 1945.

Pat. 2,382,914. New Coloring Matters. Aug. 14, 1945.

Pat. 2,382,915. Manufacture of Substituted Pyrroles. Aug. 14, 1945.

Pat. 2,382,916. Manufacture of Pyrrole Derivatives. Aug. 14, 1945.

Pat. 2,382,917. Manufacture of New Pyrrole Derivatives. Aug. 14, 1945.

Pat. 2,383,286. Anthraquinone Derivatives. Aug. 21, 1945.

Pat. 2,383,318. Tetraalkylthiuram Monosulphide Preparation. Aug. 21, 1945.

Pat. 2,384,047. Manufacture of Organic Nitrogen Compounds. Sept. 4, 1945.

Pat. 2,384,048. Manufacture of Organic Nitrogen Compounds. Sept. 4, 1945.

Pat. 2,384,049. Process for the Production of Polynitroethylene. Sept. 4, 1945.

Pat. 2,384,050. Process for the Preparation of Alpha-Nitro-Isobutene. Sept. 4, 1945.

Pat. 2,384,749. Monoazo Dyestuffs. Sept. 11, 1945.

Pat. 2,384,750. Monoazo Acid Dyestuffs. Sept. 11, 1945.

Pat. 2,384,751. Monoazo Acid Dyestuffs. Sept. 11, 1945.

Pat. 2,384,752. Monoazo Dyestuffs. Sept. 11, 1945.

Pat. 2,384,753. Monoazo Dyestuffs. Sept. 11, 1945.

Pat. 2,384,754. Monoazo Dyestuffs. Sept. 11, 1945.

Pat. 2,384,755. Monoazo Dyestuffs. Sept. 11, 1945.

Pat. 2,385,037. Process for the Production of Derivatives of Nitroethylene. Sept. 18, 1945.

Pat. 2,385,111. Process for the Production of Nitroethylene. Sept. 18, 1945.

Pat. 2,385,182. Manufacture and Application of Synthetic Rubber-Like Materials. Sept. 18, 1945.

Pat. 2,385,185. Process for the Manufacture of Vat Dyes from Bis-(9 : 9'-Anthronylidene)-Ethane. Sept. 18, 1945.

Pat. 2,385,376. Marine Flare. Sept. 25, 1945.

Pat. 2,385,564. Solvent Extraction. Sept. 25, 1945.

Pat. 2,385,855. Manufacture of New Coloring Matters. Oct. 2, 1945.

Pat. 2,385,860. Apparatus for the Treatment of Metal and Like Articles With Liquids or Vapors for Degreasing. Oct. 2, 1945.

Pat. 2,386,140. Water-Repellency Agents and Processes of Making and Using the Same. Oct. 2, 1945.

Pat. 2,386,141. Process of Treating Textile Materials. Oct. 2, 1945.

Pat. 2,386,142. Quaternary Ammonium Salts and Process of Making the Same. Oct. 2, 1945.

Pat. 2,386,143. Process of Treating Textile Materials. Oct. 2, 1945.

Pat. 2,387,873. Secondary Diamines. Oct. 30, 1945.

Pat. 2,388,586. Absorption of Bromine. Nov. 6, 1945.

Pat. 2,388,665. Dibenzanthrone Compounds. Nov. 13, 1945.

Pat. 2,389,173. Recovery of Glycerol From Fermented Liquors. Nov. 20, 1945.

Pat. 2,389,950. Production of Di-Carboxylic Acids. Nov. 27, 1945.

Pat. 2,389,958. Recovery of Polymeric Materials. Nov. 27, 1945.

Pat. 2,390,853. Process for Preparing Dichlorodiethyl-Ether-Alkali Metal Polysulphide Condensation Products in Pulverulent Form. Dec. 11, 1945.

Pat. 2,391,006. Transport of Aqueous Emulsions of Liquid Explosives. Dec. 18, 1945.

Pat. 2,391,162. Interpolymers of Isobutyrene With Vinyl Methacrylate and Their Preparation. Dec. 18, 1945.

Pat. 2,392,857. Sheet Materials Comprising Polyvinyl Chloride. Jan. 15, 1946.

Pat. 2,392,860. Preparation of Para Nitroguanidine. Jan. 15, 1946.

Pat. 2,394,315. Production of Nitro-Paraffins. Feb. 5, 1946.

Pat. 2,395,117. Dyestuffs of the Phthalocyanine Series and the Process of Preparing the Same. Feb. 19, 1946.

Pat. 2,395,135. Pyrroleazo Dyestuffs. Feb. 19, 1946.

Pat. 2,395,229. Anthraquinone Dyestuffs. Feb. 19, 1946.

Pat. 2,395,353. Brisant Explosive Charges and Their Manufacture. Feb. 19, 1946.

Pat. 2,395,440. Insecticidal and Fungicidal Compositions. Feb. 26, 1946.

Pat. 2,395,483. Burning of Sulphur. Feb. 26, 1946.

Pat. 2,395,812. Polymers of 1-Carbalkoxybutadienes-1,3 and Process of Making Same. Mar. 5, 1946.

Pat. 2,396,396. Production of Colored Photographic Images. Mar. 12, 1946.

Pat. 2,396,636. Casting of Rare Earth Metals. Mar. 19, 1946.

Pat. 2,396,692. Production of Organic Silicon Compounds. Mar. 19, 1946.

Pat. 2,397,065. Recovery of Butylene Glycol From Carbohydrate Fermentation Mashes. Mar. 19, 1946.

Pat. 2,397,399. Synthetic Rubber-Like Materials. Mar. 26, 1946.

Pat. 2,397,942. Thermoplastic Compositions. Apr. 9, 1946.

Pat. 2,398,283. Bisureas. Apr. 9, 1946.

Pat. 2,398,683. Cartridge for Actuating Gas Pressure Operated Mechanical Devices. Apr. 16, 1946.

Pat. 2,399,641. Purification of Crude Trichloroacetyl Chloride. May 7, 1946.

Pat. 2,399,686. Production and Esterification of Esterifiable Nitroparaffin Derivatives. May 7, 1946.

Pat. 2,400,810. Apparatus for Treating Gases With Liquids. May 21, 1946.

Pat. 2,404,700. Manufacture of Vinyl Ethers. July 23, 1946.

Pat. 2,406,186. Manufacture of Surface Active Compounds. Aug. 20, 1946.

Pat. 2,406,412. Treatment of Wool Fibers. Aug. 27, 1946.

Pat. 2,406,453. Treatment of Paper or Textile Fabrics. Aug. 27, 1946.

Pat. 2,406,454. Treatment of Paper or Textile Fabrics. Aug. 27, 1946.

Pat. 2,407,346. Manufacture of New Coloring Matters. Sept. 10, 1946.

Pat. 2,407,595. Manufacture of Detonating Explosives and Products Obtained Thereby. Sept. 10, 1946.

Pat. 2,407,597. Explosive Compositions Comprising Low Freezing Liquid Mixtures of Aromatic Nitro-Compounds. Sept. 10, 1946.

Pat. 2,407,701. Manufacture of Halogenated Hydrocarbons. Sept. 17, 1946.

Pat. 2,408,396. Process for Activating Catalysts. Oct. 1, 1946.

Pat. 2,408,607. Manufacture of Nitro-compounds. Oct. 1, 1946.

Pat. 2,408,889. Production of Organic Compounds. Oct. 8, 1946.

Pat. 2,409,519. Sodium Dispersion. Oct. 15, 1946.

Pat. 2,409,829. Alkylene-bis-ureas. Oct. 22, 1946.

Pat. 2,409,832. Aryl-dicyandiamide Production. Oct. 22, 1946.

Pat. 2,409,851. Perylene Derivatives. Oct. 22, 1946.

Pat. 2,410,406. Process for Producing Mepacrine Dihydrochloride. Nov. 5, 1946.

Pat. 2,410,604. Manufacture of New Coloring Matters. Nov. 5, 1946.

Pat. 2,410,605. Interpolymers of Isobutylene With an Alkyl Acetylene and Their Preparation. Nov. 5, 1946.

Pat. 2,413,491. Coated Hygroscopic Salts. Dec. 31, 1946.

Pat. 2,414,155. Anthraquinone Dyestuffs. Jan. 14, 1947.

Pat. 2,414,374. Metal Phthalocyanines Having Amino- or Nitro-Phenyl Groups Attached to Their Aromatic Nuclei by >0, >CO or $>SO_2$. Jan. 14, 1947.

Pat. 2,414,655. Manufacture of Cyanuric Chloride. Jan. 21, 1947.

Pat. 2,414,934. Manufacture of Polymerization Products. Jan. 28, 1947.

Pat. 2,415,074. Manufacture of Crystalline Magnesium Hydroxide. Feb. 4, 1947.

Pat. 2,415,252. Phenotiazine Derivatives. Feb. 4, 1947.

Pat. 2,415,377. Sulphuric Acid Esters of Hydroxy-Alkylamino-Anthraquinones. Feb. 4, 1947.

Pat. 2,416,380. Inhibition of Acid-Fading on Dyed Cellulose Acetate With N:N'-Diphenylethylene Diamino. Feb. 25, 1947.

Pat. 2,416,386. Process for Making Phthalocyanines Containing —SH Groups. Feb. 25, 1947.

Pat. 2,416,387. Process for Making Sulfa-Containing Phthalocyanines. Feb. 25, 1947.

Pat. 2,416,563. Quinoline Derivatives. Feb. 25, 1947.

Pat. 2,416,571. Sealed Apparatus for Degreasing and Drying Articles. Feb. 25, 1947.

Pat. 2,416,650. Process for the Preparation of Beta-Nitroethyl Ethers. Feb. 25, 1947.

Pat. 2,416,974. Manufacture of Mono-Nitration Products of Toluene. Mar. 4, 1947.

Pat. 2,417,115. Immunizing of Seed From Pest Attacks. Mar. 11, 1947.

Pat. 2,417,380. Process for the Preparation of Alpha-Nitro-Isobutene. Mar. 11, 1947.

Pat. 2,417,576. Manufacture of Viscous Protein Solutions for the Production of Artificial Filaments. Mar. 18, 1947.

Pat. 2,418,548. 4-Amino-5-Arylpyrimidine. Apr. 8, 1947.

Pat. 2,419,157. Preparation of Ethylene Bisimino Diacetic Acid and Salts Therefrom. Apr. 15, 1947.

Pat. 2,421,302. Process for Improving the Extensibility and Strength of Hardened Artificial Filaments, Films and Like Thin Materials Having a Protein Basis. May 27, 1947.

Pat. 2,421,408. Thermoplastic Polyvinyl Halide Composition Containing Chlorinated Paraffin Wax. June 3, 1947.

Pat. 2,241,409. Thermoplastic Polyvinyl Chloride, Chlorinated Paraffin Wax, Plasticiser Compositions. June 3, 1947.

Pat. 2,422,453. Recovery of Glycerine From Fermented Liquors. June 17, 1947.

Pat. 2,422,667. Substituted 2,4-Diaryl-Pyrrole Compounds and Method of Producing Same. June 24, 1947.

Pat. 2,422,668. Pyrrole Coloring Matters and Method of Making Same. June 24, 1947.

Pat. 2,422,887. Pyrimidine Compound and Processes for Making the Same. June 24, 1947.

Pat. 2,422,888. Pyrimidine Compounds and Method of Making the Same. June 24, 1947.

Pat. 2,422,889. Pyrimidine Compounds and Process for Making the Same. June 24, 1947.

Pat. 2,422,890. Pyrimidine Compounds. June 24, 1947.

Pat. 2,424,068. Process for Mothproofing Furs. July 15, 1947.

Pat. 2,424,408. Preparation of Peanut Protein. July 22, 1947.

Pat. 2,424,510. Production of Beta-Nitro Ethanol and Beta-Nitro Ethyl Nitrate. July 22, 1947.

Pat. 2,424,883. Paraformaldehyde Modified Reaction Products of Diisocyanates With Linear Polyester Polyamide. July 29, 1947.

Pat. 2,424,884. Sulfur Vulcanization of Unsaturated Reaction Products and Diisocyanate With Linear Polyesters and Linear Polyesteramides and Products Resulting Therefrom. July 29, 1947.

Pat. 2,424,885. Paraformaldehyde Treatment of Reaction Products of Diisocyanate With Linear Polyesters and Linear Polyester-Amides and Products Resulting Therefrom. July 29, 1947.

Pat. 2,425,396. Water-Soluble Salts of N,N'-Di-(Sulfoalkyl)-4,4'-Diaminodiphenylsulfones and Preparations. Aug. 12, 1947.

Pat. 2,426,024. Fire Extinguisher. Aug. 19, 1947.

Pat. 2,426,080. Photo-Chemical Chlorination of Polyvinyl Chloride. Aug. 19, 1947.

Pat. 2,426,091. Production of Chlorinated Aliphatic Nitriles. Aug. 19, 1947.

Pat. 2,426,547. Anthraquinone Dyestuffs. Aug. 26, 1947.

Pat. 2,427,492. Production of Chloracrolein. Sept. 16, 1947.

Pat. 2,427,624. Manufacture of Oxidation Products of Perchlorethylene. Sept. 16, 1947.

Pat. 2,428,614. Nitronitriles. Oct. 7, 1947.

Pat. 2,428,716. Method of Coating Fabric With Polyvinyl Chloride. Oct. 7, 1947.

Pat. 2,429,411. 1-Alkoxy-2,4-Pentadienes and Substituted Derivatives Thereof. Oct. 21, 1947.

Pat. 2,429,600. Chromable Monoazo Pyrazolone Dye. Oct. 28, 1947.

Pat. 2,429,799. Process for the Preparation of σ-Valerolactone. Oct. 28, 1947.

Pat. 2,430,052. Phthalocyanine Derivatives. Nov. 4, 1947.

Pat. 2,431,140. Dicarbamates and Process of Making the Same. Nov. 18, 1947.

Pat. 2,431,585. Nitration of Aromatic Hydrocarbons. Nov. 25, 1947.

Pat. 2,431,921. Benzoyl Peroxide Treatment of Reaction Products of Diisocyanates With Linear Polyesters. Dec. 2, 1947.

Pat. 2,432,148. Curing of Diisocyanate-Modified Polyester. Dec. 9, 1947.

Pat. 2,432,758. Process for 2-Hydroxy-3-Chlorotetrahydropyran. Dec. 16, 1947.

Pat. 2,433,439. Pyrimidine Compounds. Dec. 30, 1947.

Pat. 2,433,440. Pyrimidine Compounds. Dec. 30, 1947.

Pat. 2,434,039. Manufacture of New Pyrrole Coloring Matters. Jan. 6, 1948.

Pat. 2,434,204. Prevention of Deterioration of Grain. Jan. 6, 1948.

Pat. 2,434,872. Manufacture of Compact Combustible Explosive Charges. Jan. 20, 1948.

Pat. 2,435,307. Metal-Phthalocyanines Containing Halo-Methyl Groups and Process of Preparing Same. Feb. 3, 1948.

Pat. 2,435,416. Apparatus for Ageing Solutions of Colloidal Material. Feb. 3, 1948.

Pat. 2,436,018. Monoazo Dye. Feb. 17, 1948.

Pat. 2,436,428. Quaternary Ammonium Salts of Dibenzthiazyl Azo Benzenes. Feb. 24, 1948.

Pat. 2,436,436. Disazo Dyestuffs. Feb. 24, 1948.

Pat. 2,436,645. Production of Pyran Derivatives. Feb. 24, 1948.

Pat. 2,437,465. Manufacture of New Coloring Matters. Mar. 9, 1948.

Pat. 2,437,682. Pyrimidine Compounds and Processes for Making the Same. Mar. 16, 1948.

Pat. 2,437,683. Pyrimidine Compounds and Method of Producing Same. Mar. 16, 1948.

Pat. 2,438,694. Manufacture of Phenols. Mar. 30, 1948.

Pat. 2,438,900. Process for Separating Benzene Hexachloride Isomers. Apr. 6, 1948.

Pat. 2,439,051. Flexible Sheet Material Comprising a Surface Coating Containing Polyvinyl Chlorides. Apr. 6, 1948.

Pat. 2,439,328. Plastic Detonating Compositions. Apr. 6, 1948.

Pat. 2,439,746. Method of Preparing Mepacrine Dihydrochloride Dihydrate. Apr. 13, 1948.

Pat. 2,439,928. Production of Derivatives of Dihydropyran. Apr. 20, 1948.

Pat. 2,439,804. Azo Benzene Benzthiazyls. Apr. 20, 1948.

Pat. 2,440,082. Thermally Vaporisable Fumigant Comprising Sensitized Ammonium Nitrate and a Pesticide. Apr. 20, 1948.

Pat. 2,440,602. Manufacture of Dichlorophenols. Apr. 27, 1948.

Pat. 2,440,929. Production of 1:5-Pentanediol. May 4, 1948.

Pat. 2,441,248. Fast Burning Delay Fuse. May 11, 1948.

Pat. 2,441,773. Stabilized Dinitroethane and Process. May 18, 1948.

Pat. 2,442,040. Manufacture of Acrylonotrile From Acetylene and HCN. May 25, 1948.

Pat. 2,442,802. Cleaning of Metals. June 8, 1948.

Pat. 2,443,303. Hydroxypyrimidine Derivatives. June 15, 1948.

Pat. 2,407,701. Manufacture of Halogenated Hydrocarbons. Sept. 17, 1946.

1947.

Nov. 25, 1947.

Pat. 2,443,304. Halogenopyrimidine Derivatives. June 15, 1948.

Pat. 2,443,305. Pyrimidine Derivatives. June 15, 1948.

Pat. 2,443,314. Bensthiazyl Azo Dyes. June 15, 1948.

Pat. 2,443,374. Manufacture and Production of Lacquers and Plastic Masses. June 15, 1948.

Pat. 2,443,388. Production of Chlorine-Containing Pyran Derivatives. June 15, 1948.

Pat. 2,444,315. Thread Advancing Apparatus. June 29, 1948.

Reissue Pat. 22,213. (Original Pat. 2,235,056). Process for the Recovery of Glycerol From Still Residues From Fermentation Processes. Oct. 27, 1942.

Reissue Pat. 22,983. (Original Pat. 2,368,658). Manufacture of Dyestuffs. Mar. 9, 1948.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the OFFICIAL GAZETTE, November 2, 1948. Abstracts of the patents are being published in the OFFICIAL GAZETTE beginning November 9, 1948. The following patents (Reg. Nos. 17,912 through 18,141) are part of Schedule 10, Group 28.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

SCHEDULE 10

Patents Relating to Anthraquinone Dyes

Pat. 1,892,890. Substitution Products of Amino Benzoyl Ortho Bensoic Acid and Process of Preparing the Same. Jan. 3, 1933. Substitution products of amino bensoyl ortho benzoic acid.

Pat. 1,897,119. Vat Dyestuff and Process of Making the Same. Feb. 14, 1933. In the process of forming a readily dispersible vat dye, the step of incorporating in the dye an abietene sulfonic acid body.

Pat. 1,899,957. Process for Preparing Anthraquinone Sulphonic Acids. Mar. 7, 1933. Process of preparing a mixture of anthraquinone beta disulfonic acids which comprises heating a p'-sulfo-benzoyl-ortho-bensoic acid body in concentrated sulfuric acid and subsequently sulfonating.

Pat. 1,900,001. Method of Purifying an Anthraquinone Body. Mar. 7, 1933. Process of purifying crude beta-amino-anthraquinone by treating impure beta-amino-anthraquinone with sulfuric acid of about 80 to 85% strength and at a temperature of about 125 to 120° C. and pouring the mass into water to separate the beta-amino-anthraquinone in basic form from the dissolved impurities.

Pat. 1,904,367. 7,7'-Dichloro Flavanthrone and the Process of Making Same. Apr. 18, 1933. Process of preparing 7,7'-dichloro flavanthrone by treating 2-amino-7-chloro anthraquinone with antimony pentachloride in nitrobenzene at a temperature of about 200 to 210° C.

Pat. 1,905,088. Anthraquinone Vat Dyes and a Process of Making the Same. Apr. 25, 1933. Process of separating a bromine containing methylated dihydroxy dibenzanthrone product into two fractions, which comprises mixing the dibenzanthrone product with concentrated sulfuric acid and separating one portion from the other.

Pat. 1,906,581. Anthraquinone Derivatives and a Process of Preparing the Same. May 2, 1933. 1-X-2-R-4-Y-9-anthrones, X=amino or acidylamino, R=halogen, alkyl alkoxy, COOH, or SO_3H, Y=Cl or Br.

Pat. 1,916,216. 2-Amino-10-Anthrones and a Process of Preparing the Same. July 4, 1933. 2-Amino-3-R-10-anthrones, R=H, halogen, alkoxy, or alkyl, in which the amino group may be mono- or diacylated.

Pat. 1,917,285. Halogen Derivative of Alpha-Naphthoyl-O-Bensoic Acid. July 11, 1933. Production of a halogenated derivative of alpha-naphthoyl-o-bensoic acid which comprises reacting with halogen upon alpha-naphthoyl-o-bensoic acid in acid medium.

Pat. 1,917,286. Nitro Derivative of Alpha-Naphthoyl-O-Bensoic Acid. July 11, 1933. 8'-Nitro-5'-halo (or nitro)-1'-naphthoyl-2-bensoic acid and its preparation by reacting HNO_3 with 5'-halo-1'-naphthoyl-2-bensoic acid.

Pat. 1,931,021. Process for Preparing Pyranthrone. Oct. 17, 1933. Preparation of pyranthrone by heating in a closed vessel 2,2'-dimethyl-1,1'-dianthraquinonyl with alcoholic-potash at a temperature of about 125° C.

Pat. 1,931,264. Process for the Manufacture of Quinizarine Green and Related Products. Oct. 17, 1933. Process of condensing chloroquinizarine, purpurin or the corresponding leuco derivatives with a water-insoluble arylamine body selected from the group consisting of aniline and homologues of aniline to produce an arylamino-anthraquinone body, in the presence of water.

Pat. 1,933,236. Preparation of Amino-Anthraquinones. Oct. 31, 1933. Process of treating beta-anthraquinone-sulfonic acid or an alkali metal salt thereof with aqueous ammonia in the presence of potassium chlorate and ammonium nitrate at a temperature of about 170° C.

Pat. 1,934,221. Manufacture of 2-Methyl-Benzanthrone. Nov. 7, 1933. Recovery of 2-methyl-benzanthrone from a crude mixture thereof with isomers by precipitating alkali-reactive impurities by means of an alkali, separating the alkali and the precipitated impurities, and crystallising out 2-methyl-benzanthrone.

Pat. 1,936,077. Process for Preparing 1-Arylamino-2-Methyl-Anthraquinones. Nov. 21, 1933. Method of producing 1-aryl-amine-2-alkyl-anthraquinones by refluxing an aryl-amine and a 1-chloro-2-alkyl-anthraquinone in the presence of a copper salt, an alcohol and an alkali metal salt of a saturated fatty acid at a temperature of about 100° C. thereafter cooling to about 20–25° C. and separating the 1-aryl-amine-2-alkyl-anthraquinone formed.

Pat. 1,947,047. Vat Dyestuffs of the Dibenzanthrone Series and Process of Preparing the Same. Feb. 13, 1934. Production of vat dyes by etherifying hydroxy derivatives of dibenzanthrones with an alkylating agent of the general formula: $Y—CH_2—CH_2—X—CH_2—CH_2—Z$, X=O, NH or S and where Y and Z both—the same or different strong acid radicals, or where one of the substituents Y or Z—a strong acid radical while the other—an ether or ester radical.

Pat. 1,950,848. Anthraquinone Derivative and Process of Preparing the Same. Mar. 6, 1934. Anthraquinone-2-carboxylic acid substituted in 1-position by carboxy-phenylamino- or carboxynaphthylamino, and their preparation from the corresponding 1-chloroanthraquinone and the amino acid.

Pat. 1,954,702. Leuco-Compounds of Vat Dyes. Apr. 10, 1934. Process of producing alkyiolamine salts of inorganic sulfur and phosphorus acidic esters of leuco-vat dyes, which comprises combining the acidic ester with an alkyiolamine.

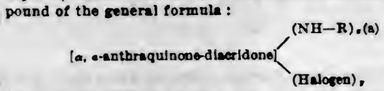
Pat. 1,957,936. Manufacture of Amino-Dihydroxy-Anthraquinones. May 8, 1934. Process of producing an amino-dihydroxy-anthraquinone from amino-anthrarufins or amino-chrysazins, by nitrating the corresponding dimethoxy-anthraquinone, reducing the nitro body thus formed to the corresponding amine and hydrolysing the amino compound to split off the methyl groups.

Pat. 1,970,908. Substituted O-Benzoyl-Bensoic Acid. Aug. 21, 1934. 2'-Methyl-4'-chloro-5'-nitro (or amino)-o-bensoylbensoic acid and their preparation by mononitrating methyl-chloro-bensoylbensoic acid and, if necessary, reducing.

Pat. 1,970,909. Anthraquinone Compound. Aug. 21, 1934. Process for preparing 1-amino-2-chloro-4-methyl anthraquinone by heating 2'-methyl-4'-chloro-5'-amino-o-bensoyl-bensoic acid in sulfuric acid of about 96% concentration at temperatures of from 150 to 180° C.

Pat. 1,972,093. Highly Halogenated Anthraquinone-Acridone Compound and Its Production. Sept. 4, 1934. Production of a highly halogenated vis-a-vis-alpha, alpha-anthraquinone diacridone by reacting with chlorine gas upon a vis-a-vis-alpha, alpha-anthraquinone-diacridone in chloro-sulfonic acid, in the presence of iodine, and continuing the process until the total halogen content of the product has reached a predetermined amount above 4 atoms per molecule.

Pat. 1,972,094. Dyes of the Anthraquinonyl-Amino Anthraquinone-Acridone Series and Their Production. Sept. 4, 1934. Claims an anthraquinone-acridone compound of the general formula:



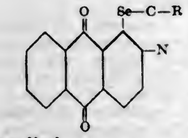
where R represents a radical of the anthraquinone series, x stands for 1 or 2, while y stands for a number not less than 4.

Pat. 1,972,095. Dyestuff of the Anthraquinone-Acridone Series. Sept. 4, 1934. A ring-closed condensation product of a Bz,Bz-tetrachloro-4,5-di-a-anthraquinonylamino-1,2,8,7-anthraquinone-diacridone.

Pat. 1,977,242. Substitution Derivatives of Bz1,Bz1'-Dibenzanthronyl-Selenide. Oct. 16, 1934. A Bz1, Bz1'-dibenzanthronyl selenide having up to four —X—R groups, X=O, S, or NH, R=alkyl, aryl, or aralkyl, and its preparation from the corresponding halogenated dibenzanthronyl selenide and R—X—H.

Pat. 1,983,561. Seleno-Anthraquinone Compound and Process of Preparing the Same. Dec. 11, 1934. Claims an intermediate for dyes comprising an anthraquinone compound substituted by a selenium containing radical in an alpha position and by an amino group in a position ortho thereto.

Pat. 1,983,562. Anthraquinone-Selenazoles and Process of Preparing Same. Dec. 11, 1934. Claims a vat dye of the anthraquinone series comprising a compound of the formula:

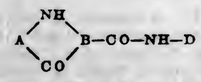


R is an organic radical.

Pat. 1,985,452. Manufacture of Purpurin. Dec. 25, 1934. Process of preparing purpurin by reacting phthalic anhydride with p-chloro-resorcinol in a medium of sulfuric acid and boric acid. 1,2,4-Trihydroxy benzene may be prepared in a separate step from p-chlor resorcinol and then condensed with phthalic anhydride.

Pat. 1,986,798. Process for Halogenating Amino-Anthraquinone Compounds. Jan. 8, 1935. Halogenation of amino-anthraquinone compounds in nitrobenzene and a sufficient amount of a metal chloride to maintain the amino-anthraquinone compound and the resulting halogenation product in solution.

Pat. 1,989,904. Anthraquinone-Acridone Imide Compounds and Their Production. Feb. 5, 1935. Vat dyes of the formula:



A=an anthraquinonyl, B=a phenyl or naphthyl radical, D=aromatic radical, and their preparation from the corresponding acid chloride and the aromatic amine.

Pat. 1,990,506. Benzanthrone Compounds and Process of Preparing the Same. Feb. 12, 1935. Dibenzanthronyl-dichloro-methane and dibenzanthronyl ketone and their preparation from benzanthrone and CCl_4 in the presence of $AlCl_3$, and hydrolyzing the dichloride to the ketone.

Pat. 1,990,807. Process of Producing Benzanthrone Carboxylic Acid. Feb. 12, 1935. Process for producing benzanthrone-carboxylic acid by heating benzanthrone with carbon tetrachloride to reaction temperatures and under conditions leading to their condensation and hydrolysing the reaction product.

Pat. 1,991,646. Manufacture of Aromatic Selenium Compounds. Feb. 19, 1935. Process of producing an arylselenol compound by suspending an organic halide of the anthraquinone series in an alcoholic medium together with a reducing metal and a compound of the group consisting of selenium, its oxides and its oxy-acids, warming up the mass, and adding gradually a solution of a caustic alkali.

Pat. 1,991,687. Vat Dyestuff and Intermediate of the Pyrene-Quinone and Perylene-Quinone Series. Feb. 19, 1935. Production of a ketonic compound of the anthracene series, which comprises fusing with aluminum chloride an alpha-aroyl-anthracene selected from the group consisting of alpha-mono-aroyl-anthracene and x, 1-di-aroyl-anthracene, wherein x designates the 4,5 or 10 position in the anthracene molecule.

Pat. 1,991,688. a,a-Anthracene-Dicarboxyl-Chloride and Process of Preparing the Same. Feb. 19, 1935. 1,4- (or 1,5)-Anthracenedicarbonyl chloride and their preparation by chlorinating the corresponding dicarboxylic acid.

Pat. 1,993,660. Indanthrone Printing Color. Mar. 5, 1935. Claims a sulfonation derivative of halogenated indanthrone containing about one atomic portion of sulfur per two moles of halogen indanthrone and also halogen in stable combination.

Pat. 1,993,663. Preparation of Phenyl Mercaptans and Intermediates Therefor. Mar. 5, 1935. Preparation of phenyl mercaptans comprising reducing an aluminum compound of a benzene sulfinic acid in acid medium. The reaction product of $AlCl_3$ and SO_2 with M-chlorocresol or monochloro-P-xylene are also claimed.

Pat. 1,996,959. 1-Aroylamino-6-Amino-Anthraquinone and Its Preparation. Apr. 9, 1935. Claims a 1-aroyl-amino-6-amino-anthraquinone.

Pat. 1,999,995. Process for the Preparation of Glyoxal Sulphate. Apr. 30, 1935. Glyoxal sulfate is made by slowly adding tetrachloroethane to oleum of over 25% strength in the presence of a catalyst.

Pat. 1,999,997. Mixed Benzanthrone-Anthraquinone Selenoethers. Apr. 30, 1935. Preparation of mixed benzanthronyl-anthraquinonyl seleno ethers by heating a compound of the benzanthrone series with a compound of the anthraquinone series, one of which is in the form of its selenol, diselenide or alkali-metal selenolate, the other being substituted by a halogen atom the reactive substituent in the benzanthrone compound being in the Bz1 position.

Pat. 1,999,998. Anthraquinonyl Selenoethers. Apr. 30, 1935. Claims a di-anthraquinonyl selenoether.

Pat. 1,999,999. Benzanthrone Selenoethers. Apr. 30, 1935. Preparation of benzanthronyl seleno ethers by heating a Bz1-halogen-benzanthrone compound with a compound of the group consisting of a Bz1-benzanthronyl-selenolate, a Bz1-benzanthronyl-selenol, and a Bz1,Bz1'-benzanthronyl-diselenide.

Pat. 2,001,063. Manufacture of Bz1, Bz1'-Dibenzanthronyl. May 14, 1935. Bz1, Bz1'-dibenzanthronyl is made by oxidising benzanthrone in H_2SO_4 with an oxidizing agent.

of Preparing the Same. July 4, 1933. 2-Amino-3-R-10-anthrones, R—H, halogen, alkoxy, or alkyl, in which the amino group may be mono- or diacylated.

benzoylbenzoic acid and their preparation by monobrominating methyl-chloro-benzoylbenzoic acid and, if necessary, reducing.

A—an anthraquinonyl, B—a phenyl or naphthyl radical, ing agent.

Pat. 2,001,418. Acridone Dianthrimide Vat Dyestuffs and Their Production. May 14, 1935. Preparation of a 1,2-acridonyl-alpha-alpha'-dianthrimide containing halogen in the Bz nucleus by heating an alpha-amino-anthraquinone with a poly-halogen anthraquinone-1,2-acridone having halogen in the Bz nucleus and in an alpha position on the anthraquinone nucleus.

Pat. 2,001,419. Anthraquinone Acridone Vat Dyestuff. May 14, 1935. Preparation of a novel dye by condensing a Bz-halogen-1,2-acridonyl-alpha,alpha'-dianthrimide by the aid of an acid condensing agent.

Pat. 2,005,529. Anthraquinone Derivative. June 18, 1935. Benzanthrone derivatives are made by reacting β-(J-phenyl)-anthraquinone, J—H, halogen, or OH, with H_2SO_4, glycerine, and a metallic reducing agent.

Pat. 2,008,738. Isodibenzanthrone-Azole and Process of Preparing the Same. July 23, 1935. Claims a vat dye comprising chiefly an isodibenzanthrone-alpha, beta; alpha',beta'-dithiazole.

Pat. 2,008,739. Isodibenzanthrone-Selenazole and Process of Preparing the Same. July 23, 1935. Claims a vat dye comprising chiefly an isodibenzanthrone-alpha,beta-selenazole.

Pat. 2,012,228. Purification of 1-N-Methyl-4-Halogen-Anthrapyridone. Aug. 20, 1935. Preparation of 1-N-methyl-4-halogen-anthrapyridone, the step which comprises subjecting a crude 1-N-methyl-4-halogen-anthrapyridone to the action of nitrous acid at a temperature below 160° C.

Pat. 2,012,233. Purification of 1-N-Methyl-4-Bromo-anthrapyridone. Aug. 20, 1935. Preparation of 1-N-methyl-4-halogen-anthrapyridone, the step which comprises precipitating the 1-N-methyl-4-halogen-anthrapyridone from a sulfuric acid solution by bringing the concentration of the acid to about 70 to 80%.

Pat. 2,012,235. Purification of 1-N-Methyl-4-Halogen-Anthrapyridone. Aug. 20, 1935. Preparation of 1-N-methyl-4-halogen-anthrapyridone, the step which comprises subjecting a crude 1-N-methyl-4-halogen-anthrapyridone to the action of a relatively strong inorganic oxidizing agent in sulfuric acid.

Pat. 2,012,930. Anthraquinone Vat Dyestuffs. Aug. 27, 1935. Claims a 4'-aroylamino-2-phenyl-anthraquinone.

Pat. 2,013,657. Fluoroaminoanthraquinone and Its Preparation. Sept. 10, 1935. Claims amino-anthraquinones containing fluorine, and also nitro fluoro-benzoylbenzoic acids for use in their preparation.

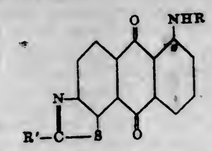
Pat. 2,019,837. Chloro-Benzoylaminoanthraquinone. Nov. 5, 1935. 1-Benzamido-4-chloro-8-benzamide-(or chloro)-anthraquinones which may have a chlorine atom in 5-position, and then preparation by chlorinating the corresponding benzamido derivatives.

Pat. 2,019,846. Dyestuff of the Anthraquinone Series. Nov. 5, 1935. Process which comprises fusing a 2-methyl-anthraquinone compound with sulfur monobromide at temperatures above 150° C.

Pat. 2,019,850. Selenium Containing Anthraquinone Compounds. Nov. 5, 1935. Claims a C-diaryl-anthraquinone diselenazole in which the selenazole groups are attached to opposite rings of the anthraquinone nucleus in alpha,beta positions.

Pat. 2,022,884. Preparation of Vat Dyestuffs of the Dibenzanthrone Series. Dec. 3, 1935. Process for preparing a dibenzanthrone compound, by heating the corresponding 2,2'-dibenzanthronyl compound with aluminum chloride and an oxidising agent.

Pat. 2,028,104. Intermediates and Dyestuffs of the Anthraquinone Series. Jan. 14, 1936. Compounds of the formula:



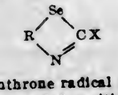
R—aroyl of the benzene, naphthalene or anthraquinone series, and R—radical of the benzene series.

Pat. 2,028,114. Benzanthrone Thiazole and Process of Preparing the Same. Jan. 14, 1936. Claims a compound of the formula:

R—a divalent benzanthrone radical to which the S and N are connected in the α and β positions respectively while X—hydrogen, alkyl or aryl.

Pat. 2,028,115. Dibenzanthrone-Azole and Process of Preparing the Same. Jan. 14, 1936. Claims a vat dye of the dibenzanthrone-azole series obtainable by subjecting to alkali-fusion a compound of the group consisting of a benzanthrone-1,2-thiazole and a benzanthrone-1,2-selenazole.

Pat. 2,028,116. Benzanthrone Selenazole and Process of Preparing the Same. Jan. 14, 1936. Claims a compound of the formula:



R—a divalent benzanthrone radical to which the S and N are connected in the α and β positions respectively while X—hydrogen, alkyl or aryl.

Pat. 2,028,117. Manufacture of Dyestuffs and Intermediates of the Dibenzanthrone Series. Jan. 14, 1936. Preparation of dioxy-dibenzanthrone compounds by reacting an impure dioxy-dibenzanthrone compound in alkaline solution in the presence of a metal which in such alkaline solution liberates hydrogen.

Pat. 2,028,118. Preparation of Thiazole Compounds. Jan. 14, 1936. Process for producing thiazole compounds wherein compounds having the atomic grouping: Ar—N=CH—Ar', which Ar—an aryl radical of the naphthalene and anthraquinone series, and Ar'—an aryl radical of the benzene, naphthalene and anthraquinone series, are fused with sulfur by carrying out the reaction in the presence of at least stoichiometrical amounts of bromine.

Pat. 2,030,035. Organic Tellurium Compounds and Process of Preparing the Same. Feb. 4, 1936. Claims compounds of the group consisting of Bz1, Bz1'-dibenzanthronyl-ditelluride, Bz1-benzanthrone-tellurol and alkali-metal Bz1-benzanthrone tellurolate and their process of manufacture.

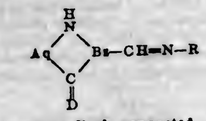
Pat. 2,030,876. Compounds of the N-Dihydro-1,2,2',1'-Anthraquinone Azine Series and Process for the Production Thereof. Feb. 18, 1936. Manufacture of N-dihydro-1,2,2',1'-anthraquinone azines or β-chloro derivatives thereof by condensing 2-amino-1-chloro-anthraquinone or its β-chloro derivative in the presence of cuprous copper or cuprous salts; or condensing 2-amino-1,3-dichloro-anthraquinone or its β-chloro derivative in the presence of copper or a cuprous salt.

Pat. 2,030,877. Production of Derivatives of N-Dihydro-1,2,2',1'-Anthraquinone Azine. Feb. 18, 1936. Manufacture of N-dihydro-1,2,2',1'-anthraquinone azines or β-chloro derivatives thereof by condensing 2-amino-1-chloroanthraquinone or its 2-chloro derivative in the presence of cuprous copper or cuprous salts; or condensing 2-amino-1,3-dichloroanthraquinone or its β-chloro derivative in the presence of copper or a cuprous salt.

Pat. 2,032,519. Chloro-Benzoylamino-Anthraquinones. Mar. 3, 1936. Claims 1-aroylamino-4, X-dichloroanthraquinone, X—5, 6 or 7, and the aroyl group is of the benzene series.

Pat. 2,032,520. Chloro Substituted Dibenzoylamino Anthrimide Compounds. Mar. 3, 1936. 1-Benzamido-4-(α-benzamidoanthraquinonyl amino)-5-(6, or 7)-chloro-anthraquinone and their preparation.

Pat. 2,033,182. Intermediates and Dyestuffs of the Anthraquinone Acridone Series. Mar. 10, 1936. Benzanthrone acridones of the formula:

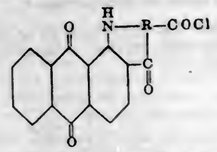


Aq—anthraquinone radical connected to the acridone group in 1,2-position, R—aryl of the anthraquinone series.

Pat. 2,033,339. Preparation of Anthraquinone Compounds. Mar. 10, 1936. Process which comprises reacting an anthraquinone alpha-disulfonic acid with a mercaptan in the presence of an alkali in aqueous solution at a temperature of 130 to 160° C. and at elevated pressure.

Pat. 2,033,863. Separation of Isomeric Chloromethyl-Anthraquinones. Mar. 10, 1936. In the separation of 2,3-chloro-methyl-anthraquinone from 2,1-chloro-methyl-anthraquinone, the step which comprises bringing the dilution of a concentrated sulfuric acid solution of these two isomers between 87% and 75% sulfuric acid.

Pat. 2,042,165. Anthraquinone Derivatives and Process of Preparing the Same. May 26, 1936. Anthraquinone-acridones of the formula:



R—benzene or naphthalene nucleus having the COCl in o-position.

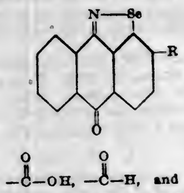
Pat. 2,042,423. Process for the Manufacture of Dyestuffs of the Anthraquinone Series. May 26, 1936. Sulfur dyes are made by fusing sulfur with a β-methyl-anthraquinone in the absence of a solvent.

Pat. 2,045,304. Intermediates and Dyestuffs of the Anthrimide Type. June 23, 1936. Di-α,α-(anthraquinonyl-aminoanthraquinonyl) dicarboxylic acid diamides of the formula:

Aq—NH—Aq—NH—CO—R—CO—NH—Aq—NH—Aq

R—organic radical, Aq—anthraquinone group.

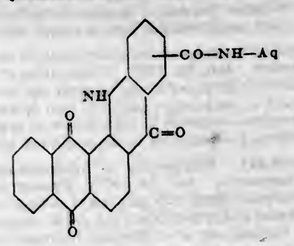
Pat. 2,049,212. Anthraquinone Derivative. July 28, 1936. Claims the compound having the formula:



R= —C(=O)—OH, —C(=O)—H, and —C(=O)—Cl

Pat. 2,049,896. Dyestuffs of the Flavanthrone Series. Aug. 4, 1936. Claims omega, omega-diphenyl-flavanthrone-dithiazole dyes, the dye being when dry a greenish-yellow powder, soluble in sulfuric acid with a yellow color and dyeing cotton from a blue-violet vat in greenish-yellow shades.

Pat. 2,052,592. Dyestuffs of the Anthraquinone Acridone Series and Process of Making Them. Sept. 1, 1936. Claims compounds of the formula:



Aq represents an anthraquinone radical containing at least one hydroxy or methoxy group.

Pat. 2,059,646. Bz2-Halogen-Benzanthrones. Nov. 3, 1936. Process for preparing Bz2-halogen-benzanthrones by diazotizing a Bz2-amino-benzanthrone and reacting the resulting diazo compound with a metal halide adapted to replace the diazo group with halogen.

Pat. 2,059,647. Compounds of the Benzanthrone Series. Nov. 3, 1936. Claims a Bz2-halogen-benzanthrone containing in the Bz1-position a reactive negative substituent of the group consisting of Cl, Br, I, —NO_2, —SO_3H, —SH, —SeH.

Pat. 2,061,249. Process of Halogenating N-Dihydro-1:2:2':1'-Anthraquinone Azines. Nov. 17, 1936. Preparation of chlorinated N-dihydro-1,2,2'1'-anthraquinone azines by treating a sulfuric acid solution of N-dihydro-1,2,2',1'-anthraquinone azine with chlorine under superatmospheric pressure in the continuously maintained presence of at least one mole of added hydrogen chloride per mole of N-dihydro-1,2,2',1'-anthraquinone azine.

Pat. 2,063,027. Process for Preparing Formylamino Anthraquinones and Products Obtainable by Said Process. Dec. 8, 1936. Preparation of acyl amino anthraquinone derivatives by heating halogen-substituted derivatives of anthraquinone with formamide in the presence of a catalyst (copper) and an acid binding agent in various solvents, such as toluene, nitro benzene, etc. Products dye acetate cellulose various shades.

Pat. 2,063,028. Compounds of the Anthraquinone Series and Process for Preparing Them. Dec. 8, 1936. Claims an alpha-formylamino-anthraquinone carrying a substituent of the class consisting of —NH_2 and —NO_2 in at least one alpha position para to a formylamine group.

Pat. 2,063,420. Halogenated Anthraquinone Compounds. Dec. 8, 1936. 1,3,5,7-(and 1,3,6,8)-Tetrahalo-anthraquinones.

Pat. 2,068,312. Halogen-Amino-Flavanthrones and Process of Producing the Same. Jan. 19, 1937. Process of heating an α,α-dihalogen-tetra-β-acylamino-1,1'-dianthraquinonyl in which one acyl-amino group is attached to each anthraquinone molecule ortho to the dianthraquinonyl linkage, and in which one halogen and one acyl-amino group are attached in ortho position to each other in the benzene ring of each anthraquinone molecule remote from the dianthraquinonyl linkage in sulfuric acid, whereby to form an α,α-dihalogen-β,β'-diamino-flavanthrone.

Pat. 2,068,313. Compounds of the Anthraquinone Series and Process for Producing the Same. Jan. 19, 1937. Process of heating an α,α-dihalogen-β,β-diacylamino-anthraquinone in which one halogen and one acyl-amino group are attached to each benzene nucleus of the anthraquinone molecule in ortho position to each other in an

chloride and an oxidising agent.

chloroanthraquinone or its 2-chloro derivative in the pre-

618 O. G.—63

inert organic medium and in the presence of a copper catalyst to produce dihalogen-tetra-acyl-tetramine-1,1'-dianthraquinonyl.

Pat. 2,068,321. Benzoyl Benzoic Acid Compounds and Process for Producing the Same. Jan. 19, 1937. 4'-Halo-3'-cyano-2-benzoylbenzoic acid and its 3,4,5 and/or 6 halogen derivatives, and their preparation from the corresponding 3'-amino compound by diazotizing and treating with an alkali metal cyanide and a copper salt.

Pat. 2,068,350. Preparation of Dyestuffs of the Anthraquinone Series. Jan. 19, 1937. Preparation of a brominated dimethoxy-dibenzanthrone wherein the bromination is carried out in concentrated sulfuric acid by neutralizing any free bromine contained in the solution at least as soon as the sulfuric acid solution becomes diluted with water.

Pat. 2,068,371. Preparation of Aralkylamino-Anthraquinone Compounds. Jan. 19, 1937. Process of heating an aminoanthraquinone with an aralkyl alcohol in an inert organic solvent at approximately the reflux temperature of the mass, the amount of aralkyl alcohol used being only slightly in excess of that theoretically necessary to give the desired aralkyl-amino-anthraquinone.

Pat. 2,068,372. Preparation of Aralkylamino-Anthraquinone Compounds. Jan. 19, 1937. Claims a polyaminoanthraquinone containing at least three amino groups in alpha positions in which at least one alpha amino group contains an aralkyl radical.

Pat. 2,068,373. Process for Preparing Diamino-Di-Phenoxy-Anthraquinone Disulphonic Acids. Jan. 19, 1937. Process for isolating a 1,4-diamino-2,3-diphenoxy-anthraquinone disulfonic acid from its sulfonation mass by adjusting the sulfuric acid concentration of the mass to between 45 and 65%, to precipitate the sulfate of the 1,4-diamino-2,3-diphenoxy-anthraquinone disulfonic acid.

Pat. 2,074,309. Process for the Preparation of Anthraquinonedisulphonic Acids. Mar. 16, 1937. In the process for the preparation of anthraquinone-2,6-disulfonic acid, the steps which comprise diluting the sulfuric acid mass resulting from the beta-disulfonation of anthraquinone to an acid concentration of from 75 to 80%, extracting the precipitated disulfonic acids with 20–30% hydrochloric acid and filtering off the substantially pure 2,6-anthraquinonedisulfonic acid.

Pat. 2,081,874. Dyestuffs of the Anthraquinone Series. May 25, 1937. Claims the dye obtainable by the alkaline condensation of Bz-1-benzanthronyl-5-anthraquinone-2,1(N)-benzacridone imide.

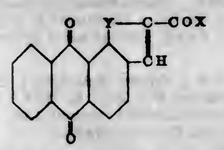
Pat. 2,084,970. Halogenated Anthraquinone Compounds. June 22, 1937. Process of reacting beta,beta-diamino-anthraquinone, in which the amine groups are in opposite rings of the anthraquinone molecule, with chlorine while the anthraquinone compound is suspended in a hydrochloric acid solution of from 15 to 22% acid concentration.

Pat. 2,091,235. 1,3-Dihalogen-2-Monomethylamino-Anthraquinones and Process for Preparing Same. Aug. 24, 1937. 1,3-Dihalo-2-monomethylamino-anthraquinone and their preparation from the amine and formaldehyde in concentrated H_2SO_4.

Pat. 2,091,236. Anthraquinone Vat Dyestuffs of the Indanthrone Series. Aug. 24, 1937. Process of condensing a 1,3-dihalogen-2-mono methylamino-anthraquinone to the corresponding dihalogen-dimethyl-indanthrone compound by heating the same in an inert high boiling solvent in the presence of an acid binding agent and a copper catalyst.

Pat. 2,091,242. Benzanthrone Acrylic Acids. Aug. 24, 1937. Process for preparing benzanthrone-acrylic acids by reacting upon a benzanthrone aldehyde in which the aldehyde group is present in one of the free peri positions of the benzanthrone molecule with a compound which is capable of reacting with an aldehyde to form an acrylic acid.

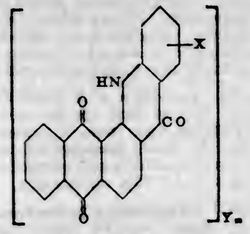
Pat. 2,097,860. Anthraquinone Thiophene and Benzenophene Carboxylic Acid Compounds. Nov. 2, 1937. Claims an anthraquinone carboxylic acid compound of the formula:



Y—sulfur or selenium, and X—OH or halogen.

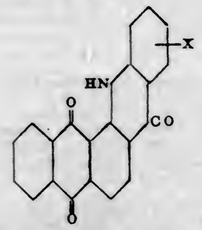
Pat. 2,099,781. Halogenation Process and Product. Nov. 23, 1937. Claims a composition adapted to react with hydroxy compounds to produce phosphorus oxychloride and compounds in which the hydroxyl group is replaced by a chlorine atom, comprising substantially phosphorus pentachloride, phosphorus trichloride and orthodichlorobenzene.

Pat. 2,100,531. Mixed Chloro-Fluoro Anthraquinone Acridones. Nov. 30, 1937. Mixed halogen-anthraquinone-2,1-benzacridones of the formula:



X—F_n or CF_n, n—a number not greater than 2, Y—halogen, and m—a number not greater than 4.

Pat. 2,100,532. Fluoro Compounds of Anthraquinone-2,1-Benzacridone. Nov. 30, 1937. Claims compounds having the formula:



X—F_n or CF_n, n—a number not greater than 2.

Pat. 2,100,533. Condensation Products of 1-Amino-Anthraquinone 2-Phenyl Azomethine. Nov. 30, 1937. Compounds which are made by condensing a haloanthraquinone with 1-aminoanthraquinone-2-phenylazomethine.

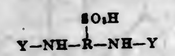
Pat. 2,107,656. Dyestuffs of the Dibenzanthrone Series. Feb. 8, 1938. Products obtainable by reacting a primary amino dibenzanthrone with perchloromethyl mercaptan.

Pat. 2,111,074. Dyestuffs and Intermediates of the Anthraquinone Series. Mar. 15, 1938. Claims benzanthrone-anthraquinone-2-1(N)-benzacridone imides, wherein the imide linkage is between one of the peri-positions of the benzanthrone nucleus and an alpha-position of the anthraquinone nucleus.

Pat. 2,111,091. Anthraquinone Compounds. Mar. 15, 1938. New compounds of the class consisting of 3-amino-anthraquinone-2,1(N)-benzacridone and its halogen substitution products.

Pat. 2,111,092. Dyestuff of the Anthrimidecarbazole Series. Mar. 15, 1938. Claims the acid condensation product of 6,6'-dichloro-4,4'-dibenzamido-1,1'-dianthrimide.

Pat. 2,113,231. Dyestuffs of the Anthraquinone Series. Apr. 5, 1938. An anthraquinone derivative of the formula:



Y—4-hydroxy-1-anthraquisonyl or 4-methoxy-1-anthraquinonyl, R—a diphenyl radical, such as diphenyl, diphenyl oxide, diphenylene oxide, diphenylmethane, fluorene or fluorenone.

Pat. 2,117,772. Sulphuric Acid Esters of Halogen-Aminoanthraquinones. May 17, 1938. Preparation of leuco-disulfuric acid esters of 2-amino-3-halogen-anthraquinones, by reacting a 1,3-dihalogen-2-aminoanthraquinone in which the amine group is protected by substituents of the class consisting of alkyl and acidyl groups, in a tertiary organic base, with a compound of the class consisting of sulfur trioxide, oleum, chloro-sulfonic acid, and the pyridine sulfur trioxide compound obtainable by reacting sulfur trioxide with pyridine, in the presence of a metal of the class consisting of copper and zinc, at temperatures not materially above 120° C.

Pat. 2,124,165. Dyestuffs of the Anthrimide Carbazole Series. July 19, 1938. Di-(a,a-anthraquinonyl-amino-anthraquinone)-dicarboxylic acid di-imides of the general formula:

Aq'—NH—Aq—NH—CO—R—CO—NH—Aq—NH—Aq'

Aq—anthraquinone

are cyclized with acid condensing agents to give dyes of the carbazole series.

Pat. 2,125,412. Process for Hydrogenating Polynuclear Aromatic Ketones. Aug. 2, 1938. Liquid phase hydrogenation of the keto group of an aromatic ketone having at least 3 benzene rings in the presence of a chromite catalyst.

Pat. 2,126,456. Process for the Preparation of Indanthrone Compounds. Aug. 9, 1938. Process for preparing indanthrone compounds by heating 1-chloro-2-aminoanthraquinone in an inert organic solvent in the presence of a cuprous halide prepared by direct union of finely divided copper and a halogen in an organic solvent.

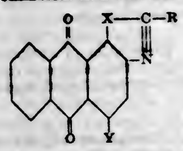
Pat. 2,127,098. Process for the Preparation of 2,6-Dichloroanthraquinone. Aug. 16, 1938. Preparation of 2,6-dichloroanthraquinone by replacing both —SO_3H groups of a 2,6-anthraquinone disulfonic acid.

Pat. 2,128,178. Process for the Chlorination of Aminoanthraquinone Compounds. Aug. 23, 1938. Process for preparing halogenated amino anthraquinones by chlorination in the presence of 45–55% sulfuric acid.

Pat. 2,129,991. 1-Acidylamino-2-Methyl-4-Aminoanthraquinones. Sept. 13, 1938. Preparation of 1-acidylamino-2-methyl-4-aminoanthraquinones by selective hydrolysis of the corresponding 1,4-diacidylamino-2-methyl-anthraquinone with alkali.

Pat. 2,129,993. Anthraquinonoyl Aminoanthraquisones. Sept. 13, 1938. 6-(6-R-Amino-2-anthraquinonyl-2-carbamido) 2-R'-aminoanthraquinone, R and R'—o-anthraquinonyl radicals.

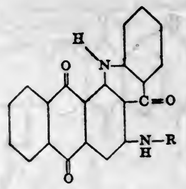
Pat. 2,130,031. Dyestuff Intermediates of the Anthraquinone Series. Sept. 13, 1938. Preparation of C-aryl-1,2-anthraquinonethiazoles and oxazoles of the formula



X—an element of the class consisting of sulfur and oxygen, Y—an element of the class consisting of chlorine and bromine and R—a radical of the class consisting of those of the benzene, anthracene and anthraquinone series.

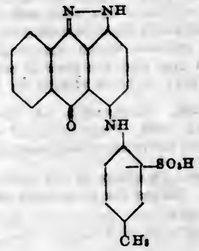
Pat. 2,133,072. Dyestuffs of the Anthrimide Series. Oct. 11, 1938. Preparation of 5-(β-anthraquinonyl-amino)-2-(R-amino-carbonyl)-anthraquinone, R—radical of benzene or anthraquinone series.

Pat. 2,133,274. Dyestuffs of the Anthraquinone Series. Oct. 18, 1938. Compounds of the formula:

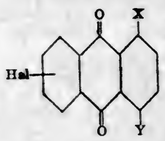


R—an acyl radical of an organic carboxylic acid.

Pat. 2,133,432. Compounds of the Pyrasolanthrone Series. Oct. 18, 1938. Dyes of the pyrasolanthrone series are obtained by condensing 4-halogen pyrasolanthrone with arylamines of the benzene and naphthalene series and sulfonating the product.



Pat. 2,134,654. Compounds of the Anthraquinone Series. Oct. 25, 1938. Claims compounds of the anthraquinone series having the general formula:



X—NH_2 or NH-alkyl; Y—NH_2 or OH; Hal—chlorine or bromine which is attached to one of the positions 6 and 7.

Pat. 2,136,998. Process for Preparing 2-Bz-1'-Dibenzanthronyl. Nov. 15, 1938. Preparation of 2-Bz-1'-dibenzanthronyl by heating 2-benzanthrone acrylic acid with methyleneanthrone in an organic solvent in the presence of a mild oxidizing agent.

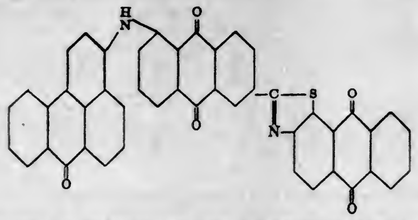
Pat. 2,141,858. Vat Dyestuffs of the Anthraquinone Series. Dec. 27, 1938. Claims the dyes resulting from the caustic alkali fusion of di(benzanthronyl-amino)-di(anthraquinonylamino) anthraquinones which dye cotton in yellow-olive shades of good fastness properties.

Pat. 2,141,872. Compounds of the Pyrazolanthrone Series. Dec. 27, 1938. A new compound, 1,9-pyrazolanthrone containing in the 6 position a group of the class consisting of —COOH and COCl, is claimed.

Pat. 2,141,877. Compounds of the Benzanthraquinone Series. Dec. 27, 1938. Claims 4-X-3-amino-1,2-benzanthraquinone, X—SH, —SM, —SSH, —SSM, or —S halogen, M—alkali metal, and 3,3'-diamino-1,2,1',2'-dibenzanthraquinonyl-4,4'-disulfide.

Pat. 2,145,905. Process for Preparing Polynuclear Isocyclic Fused Ring Compounds R. G. Perylene. Feb. 7, 1939. Process for condensing an isocyclic polynuclear compound having at least 2 fused aromatic bensene rings with R—CH=CR'—CHO, R and R'=H, alkyl or halogen, in the presence of HF.

Pat. 2,150,093. Dyestuffs of the Anthraquinone Series. Mar. 7, 1939. The compound obtained by the alcoholic alkali condensation of the bensanthrone imide of the formula:

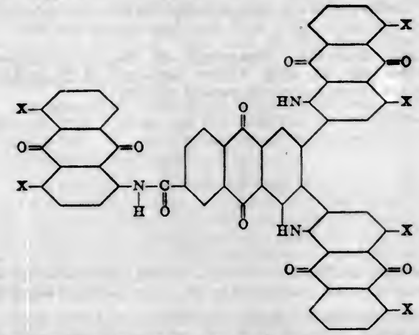


followed by reprecipitation from cold concentrated sulfuric acid. The corresponding 6-Bs-1-benzanthrone disubstituted analogue is also covered.

Pat. 2,151,634. Arylamino-Aryloxy-Hydroxyanthraquinones. Mar. 21, 1939. Anthraquinone compounds which carry in the molecule one arylamino-radical, at least one —OH group in an alpha position, and an aryloxy-radical in a beta position, which compounds on sulfonation yield acid wool dyes that dye wool in red to violet shades convertible to gray to black shades on chroming.

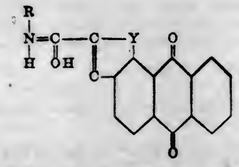
Pat. 2,151,635. Compounds of the Anthraquinone Series. Mar. 21, 1939. Preparation of 6,6'-dichloro 1,1'-dianthrimide and its carbazolized product.

Pat. 2,152,186. Dyestuffs of the Anthraquinone Series. Mar. 28, 1939. Claims the compounds of the formula:



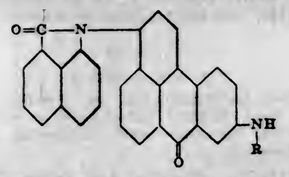
where the X's—hydrogen or an aroyl-amino radical of the bensene series.

Pat. 2,155,359. Dyestuffs of the Anthraquinone Series. Apr. 18, 1939. Preparation of vat dyes of the general formula:



where R represents an anthraquinone radical and Y stands for an element of the group consisting of sulfur and selenium.

Pat. 2,155,360. Dyestuffs of the Anthraquinone Series. Apr. 18, 1939. Preparation of dyes obtained by the alkaline condensation of 6-anthraquinonylamino-Bs-1N-bensanthronyl-naphthostyrils of the following general formula:



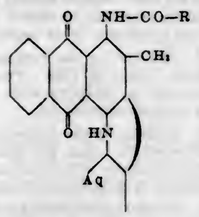
where R stands for a radical of the anthraquinone class, which dye cotton from an alkaline hydrosulfite vat in neutral gray shades of good fastness properties.

Pat. 2,155,364. Compounds of the Pyrazolanthrone Series. Apr. 18, 1939. Alkylation of 6-chloropyrazolanthrone followed by (a) direct fusion with alcoholic KOH or (b) chlorination to 2:6-dichloro-N-alkylpyrazolanthrone followed by vatting. Either process gives 6:6'-dichloro-N:N'-dialkyl-2:2'-dipyrazolanthronyls which are red vat dyes. Intermediates only are claimed.

Pat. 2,155,369. Compounds of the Pyrazolanthrone Series. Apr. 18, 1939. 6-Halogen (especially 6-chloro) 1:9-pyrazolanthrone is made from the corresponding 1-amino-6-halogen-anthraquinone by the usual diazotisation route. The products are useful for alcoholic caustic fusion and subsequent alkylation to give N:N'-dialkyl-2:2'-dipyrazolanthronyls which contain from 3 to 9% halogen in the 6-positions.

Pat. 2,161,967. Dyestuffs of the Anthraquinone Series. June 13, 1939. Vat dyes are prepared by condensation of amino anthraquinones or aminoanthrones, e. g. 1-aminoanthraquinone, with a halogen bensobenzanthrone and subsequent caustic alkali fusion of the anthrimide compound so produced.

Pat. 2,162,196. Dyestuffs of the Anthrimide-Carbazole Series. June 13, 1939. Preparation of vat dyes of the following formula:



where R is an aryl radical and Aq is an anthraquinone radical which contains an aroylamino group in one of the positions 4 and 5 by condensing 1-acidyl-amino-2-methyl-4-bromo (or amino) anthraquinone with amino (or bromo) anthraquinone compounds containing an aroylamino radical in the 4 or 5 position.

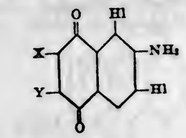
Pat. 2,162,201. Dyestuffs and Intermediates of the Pyrazolanthrone Series. June 13, 1939. Preparation of N:N'-dialkyl-2:2'-dipyrazolanthronyls containing methoxy groups, especially in the 6:6' and 8:8'-positions. The products are red to violet vat dyes of good soaping fastness and high tinctorial value.

Pat. 2,162,203. Preparation of Anthraquinone Vat Dyestuffs. June 13, 1939. The aluminum chloride ring-closed product of 1,4-di-(5-benzamidoanthraquinonylamino)-anthraquinone.

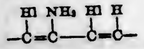
Pat. 2,162,205. Compound of the Pyrazolanthrone Series. June 13, 1939. The compound, 1,9-pyrazolanthrone-6-aldehyde, useful as a dye intermediate.

Pat. 2,162,206. Compounds of the Pyrazolanthrone Series. June 13, 1939. Red vat dyes are obtained by alkylation of the caustic fusion product of 1:9-pyrazolanthrone-6-aldehyde. N,N'-Diethyl-dipyrazolone-6,6'-dialdehyde is claimed as a new composition.

Pat. 2,164,784. Process for the Preparation of Dyestuffs and Intermediates of the Anthraquinone Series. July 4, 1939. Production of beta, beta-dihalogen-anthraquinone dithiasoles by reacting a tetra-halogen-diaminoanthraquinone compound of the formula:

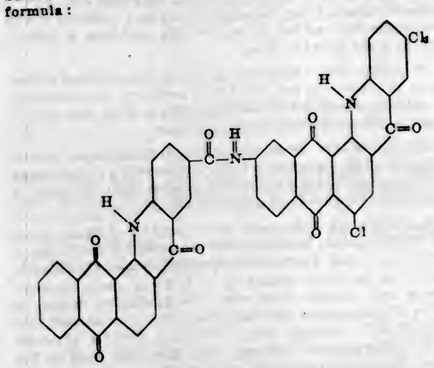


X and Y—the bivalent radical



with an alkali metal sulfide, and condensing the dimercaptan so formed with an aromatic aldehyde in which the aldehyde group is attached directly to the aromatic ring.

Pat. 2,165,618. Compounds of the Anthraquinone Series. July 11, 1939. Claims a red vat dye of the formula:



wherein the anthraquinone-2,1(N)-benzacridonoylamine radical is attached in one of the positions 5 and 8.

Pat. 2,170,381. Compounds of the Bensanthrone Series. Aug. 22, 1939. Dialkoxyisodibenzanthrones containing halogen are prepared either by direct halogenation of Bs2, Bs2'-dialkoxyisodibenzanthrones or by halogenation of the intermediates followed by alkylation, e. g., 6-chloroisodibenzanthrone may be oxidized and methylated yielding chlorodialkoxyisodibenzanthrone which is a greenish blue vat dye.

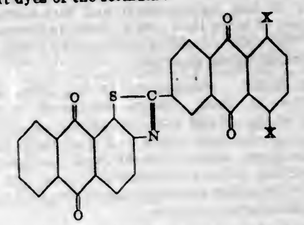
Pat. 2,172,020. Process of Reducing Cyclic Carboxyl Compounds. Sept. 5, 1939. Process of reducing cyclic carbonyl compounds to the corresponding hydrocarbon by heating the cyclic carbonyl compound with zinc dust and zinc chloride at reduction temperature until reduction to the corresponding hydrocarbon is complete, and isolating the corresponding hydrocarbon from the reaction mass. The reduction of the carbonyl group of heterocyclic compounds is disclosed.

Pat. 2,172,763. Anthraquinone Acid Wool Dyestuff. Sept. 12, 1939. Claims compounds useful as wool dyes, of the class consisting of 1-amino-2-methyl-4-(2'-methoxy-5'-methyl-anilido) anthraquinone-sulfonic acid which carries the sulfonic acid radical in the aryl ring of the anilido nucleus, and its alkali-metal salts.

Pat. 2,174,118. Ring Closure of Aromatic Compounds With the Aid of Hydrofluoric Acid. Sept. 26, 1939. Use of HF of not less than 48% strength as an acidic dehydration agent for ring-closing aromatic compounds.

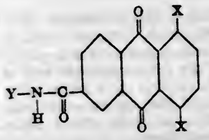
Pat. 2,176,630. Alkyl Sulphone Dyestuffs of the Anthraquinone Series. Oct. 17, 1939. Claims 1-amino-5-alkylsulfone-2-anthraquinone-sulfonic acids and their alkali metal salts which have a 4-alkylamino, 4-arylamino, 4-aralkylamino, or 4-cycloamino group.

Pat. 2,179,551. Dyestuffs and Dyestuff Intermediates of the Anthraquinone Series. Nov. 14, 1939. Manufacture of vat dyes of the formula:



in which X stands for aroylimino groups, which dye cotton in shades ranging from tan to red brown.

Pat. 2,179,552. Dyestuffs of the Anthraquinone Series. Nov. 14, 1939. Claims anthraquinone compounds of the formula:



X—an aroylamino radical of the bensene series and Y—an anthraquinone radical directly attached to the nitrogen.

Pat. 2,179,920. Compounds of the Perylene Series. Nov. 14, 1939. Claims compounds of the class consisting of 12,Bs-1-oxydo-1:2-bensperylene and 12,Bs-1-oxydo-1:2-bensperylene-3:10-quinone prepared by cyclicisation of 1-(beta-naphthoxy) anthraquinone.

Pat. 2,180,336. Dyestuff Intermediates of the Anthraquinone Series. Nov. 21, 1939. Cyanoanthraquinone compounds which carry in the 1-position an amino radical of the class consisting of amino, alkylamino, and acidylamino radicals, in the 2-position a member of the group consisting of hydrogen, bromine and sulfonic acid groups and in the 4-position a bromine atom, there being present in the molecule one cyano group in one of the alpha positions, 5 and 8.

Pat. 2,180,337. Dyestuffs of the Anthraquinone Series. Nov. 21, 1939. Claims greenish blue wool dyes of the anthraquinone series consisting of cyanoanthraquinone sulfonic acids which carry in the 1-position an amino radical of the class consisting of amino, alkylamino, and acidylamino radicals, in the 2-position a member of the group consisting of hydrogen, bromine and sulfonic acid groups, in the 4-position an arylamino radical of the benzene series, and a cyano radical in one of the positions 5 and 8.

Pat. 2,181,046. Dihalogen Quinizarins. Nov. 21, 1939. 2-halo-6(or 7)-haloquinizarine and their preparation from quinizarine.

Pat. 2,181,048. Anthraquinonoyl-Amino Anthraquinones. Nov. 21, 1939. 2-(R-aminocarbonyl)-6-haloanthraquinones R—a-anthraquinonyl radicals, including heterocyclic substituted anthraquinone radicals.

Pat. 2,183,625. Reduction Products of Bs-2,Bs-2'-Dihydroxydibensanthrone and Process for Preparing the Same. Dec. 19, 1939. Preparation of a stable reduction product by preparing an alkaline hydrosulfite vat of Bs-2,Bs-2'-dihydroxydibensanthrone, reducing the alkalinity to a pH of from 9 to 12 and maintaining the temperature at 60 to 90° C., until the precipitation of the monoalkali-metal salt is completed. The monoalkali metal salt may be converted to the free hydroxy compound, which upon bromination produces a valuable vat dye intermediate.

Pat. 2,183,626. Compounds of the Dibenzanthrone Series. Dec. 19, 1939. Claims compounds of the class consisting of beta hydroxyalkyl and beta-hydroxy-cycloalkyl ethers of leuco Bs-2; Bs-2'-dialkoxy-dibenzanthrone in which the alkyl radical is attached to a leuco oxygen of the dibenzanthrone molecule.

Pat. 2,183,627. Compounds of the Dibenzanthrone Series. Dec. 19, 1939. Claims compounds of the class consisting of the alkylol and cyclo-alkylol ethers of Bs-2,-Bs-2'-dihydroxydibenzanthrone and Bs-2,Bs-2'-dihydroxy-isodibenzanthrone which carry at least one group of the class consisting of beta-hydroxyalkyl ether and beta-hydroxycycloalkyl ether groups in one of the Bs-2 positions, and their sulfonation products.

Pat. 2,183,628. Alkyl Esters of Leuco Dibenzanthrone. Dec. 19, 1939. Claims aliphatic acid esters of leuco dibenzanthrone compounds and their stable derivatives in which the aliphatic ester side chain contains at least 8 carbon atoms and is attached through the leuco oxygen in the dibenzanthrone nucleus.

Pat. 2,183,629. Compounds of the Dibenzanthrone Series. Dec. 19, 1939. Claims aliphatic acid esters of alkylol ethers of beta-hydroxyalkyl and beta-hydroxycycloalkyl ethers of the dibenzanthrone and isodibenzanthrone series, the aliphatic acid ester group being attached to the hydroxy radical of the alkylol ether side chain, and aliphatic acid esters of leuco alkylol ethers of Bs-2,Bs-2'-dimethoxy dibenzanthrone.

Pat. 2,183,630. Compounds of the Dibenzanthrone Series. Dec. 19, 1939. Process of reacting a hydroxy-dibenzanthrone or hydroxy-isodibenzanthrone with an aliphatic acid chloride or anhydride which contains at least 8 carbon atoms, to give oil soluble compounds which impart fluorescence. A method of purifying dihydroxy dibenzanthrone and ethers thereof is disclosed.

Pat. 2,183,320. Process for the Manufacture of Leuco Sulphuric Acid Esters of Alkyl Ethers of Bs-2,Bs-2'-Dihydroxydibenzanthrone. Jan. 30, 1940. Use of stable leuco compounds of alkylated Bs-2:Bs-2'-dihydroxy dibenzanthrone in making leuco sulfuric acid esters.

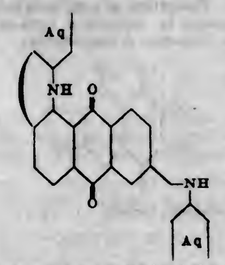
Pat. 2,188,537. Di-Benzanthrone-Anthraquinone-Di-Acridines. Jan. 30, 1940. An alpha diamino-anthraquinone is condensed with 2 mols of 6-Bs-1-dibromobenzanthrone and the product further condensed with two mols of 1-amino-anthraquinone. The resulting pentanthrimide is then fused with alcoholic KOH and pasted to give a fast olive vat dye of the "benzanthrone-acridone" type.

Pat. 2,188,538. Vat Dyestuffs of the Benzanthrone-Anthraquinone-Acridine Series. Jan. 30, 1940. 6-Bs'-Dibromobenzanthrone is condensed with 1 mol of o-aminoanthraquinone. Two mols of this product are then condensed with one mol of an alpha-diamino-anthraquinone. The product is fused with alcoholic KOH and acid pasted to give a fast olive vat dye of the "benzanthrone-acridone" class.

Pat. 2,188,776. Dyestuffs of the Anthraquinone Series. Jan. 30, 1940. A dark brown vat color is obtained by ring-closure of 4':4''-di(benzoylamino)-1:1':5:1''-trianthrimide in nitrobenzene with aluminum chloride.

Pat. 2,200,480. 3,3'-Dihalogen-Dianthrahydroquinoneazine Tetraacidpburic Acid Esters and Process of Making the Same. May 14, 1940. The alkali metal salts of tetrasulfuric esters of leuco 3:3'-dihalogen-dianthraquinoneazines are prepared from 1:3-dihalogen-2-aminoanthraquinones (of the class in which the amino group is protected by an alkyl or acidyl group) by treatment with sulfur trioxide, copper, and pyridine followed by hydrolysis and finally oxidation in an alkaline medium.

Pat. 2,203,227. Anthraquinone Vat Dyestuffs. June 4, 1940. Claims compounds of the following general formula:



in which the Aq's stand for radicals of the anthraquinone series, which may be substituted by benzoylamino groups. Colors are brown.

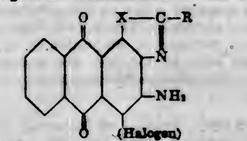
Pat. 2,203,416. Dyestuffs of the Benzanthrone Series. June 4, 1940. Claims the alkaline condensation products of Bs-1-benzanthronylaminoanthrones containing a heterocyclic ring in the 1,9-position of the anthrone radical, the amino-anthrone being attached to the Bs-1 position of the benzanthronyl radical in one of the positions 4 and 5. Products are gray vat dyes.

Pat. 2,204,741. Dyestuffs of the Anthraquinone Series. June 18, 1940. A red vat dye is prepared by condensing 4'-chloro-2-phenyl-6-bromoanthraquinone with one mol of 4-amino-1,9-(N-methyl)-anthrapyridone.

Pat. 2,204,742. Dyestuffs of the Anthraquinone Series. June 18, 1940. An acid vat dye is prepared by condensing 4'-chloro-2-phenyl-6-bromoanthraquinone with two mols of 4-amino-1:9-(N-methyl)-anthrapyridone.

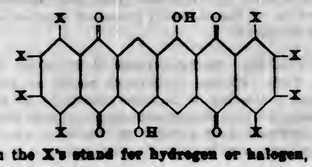
Pat. 2,204,748. Dyestuffs of the Acid Wool Class. June 18, 1940. Claims acid wool dyes comprising 1-hydroxy-2-arylaminoanthraquinones which carry in the 4-position a radical of the class consisting of hydroxy and arylamino groups and wherein both cases the arylamino radical is of the benzene series, the compounds carrying at least two sulfonic acid radicals, one of which is directly attached to the anthraquinone nucleus. The dyes color wool by the usual chroming methods in brown shades.

Pat. 2,204,970. Dyestuff Intermediate of the Anthraquinone Series. June 18, 1940. 3-Bromo-C-phenyl-1:2-anthraquinone thiazole or oxazole is amidated and then halogenated to give an intermediate of the formula:



X=O, S; R=benzene, naphthalene, anthraquinone.

Pat. 2,210,396. Hexacene Compounds. Aug. 6, 1940. Claims 7,15-dihydroxy hexacene-5,16; 8,12-diquinone-(2,3:6,7-diphthaloyl-1,5-dihydroxynaphthalene) of the formula:

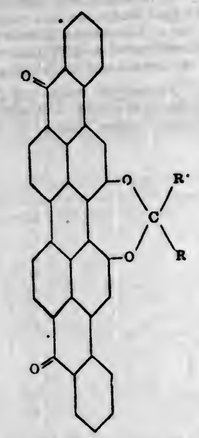


in which the X's stand for hydrogen or halogen, obtained

by the reaction between phthalic anhydride and 1,5-dihydroxy-naphthalene in the presence of $AlCl_3$. Dyes cotton blue from a brown vat, dyeings turning reddish-brown in acid.

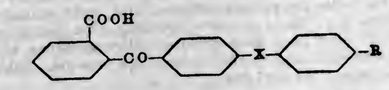
Pat. 2,217,849. Compounds of the Anthraquinone Series. Oct. 15, 1940. 1-Mercapto-2-anthraquinone carboxylic acid is condensed with alpha-halogen ketones to give C-acyl-1,9-thiophenanthrone acids which are intermediates for acidylaminoanthraquinone vat dyes.

Pat. 2,218,663. Dyestuffs of the Dibenzanthrone Series. Oct. 22, 1940. Claims compounds of the formula:



R'=$-CH_3$ and $-CH_2-$Hal, and R=alkyl or alkylene and halogen alkyl radicals which contain not more than 5 carbon atoms.

Pat. 2,225,088. Benzoyl Benzoic Acid Derivatives. Dec. 17, 1940. Compounds of the formula:



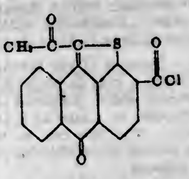
X=CO or CH_2, R=H or o-carboxybenzoyl, and their preparation.

Pat. 2,225,603. Dye Stain. Dec. 17, 1940. A dye stain comprising a water-soluble, alcohol-soluble, or oil-soluble dye dissolved in a normally liquid N-alkyl amide of a lower aliphatic monocarboxylic acid, free from acidic and basic substituents.

Pat. 2,231,787. Phenanthrene Dicarboxylic Acid Anhydrides. Feb. 11, 1941. Trans-9:10-dicarboxy-9:10-dihydro phenanthrene is obtained by metallization of phenanthrene with sodium and simultaneous treatment with CO_2. It is easily converted into the ester, anhydride, and cis form and the corresponding derivatives of the latter. Oxidation produces the anhydride of phenanthrene-9:10-dicarboxylic acid, which readily undergoes the Friedel-Crafts reaction to yield products that can be converted to 1,2,3,4-dibenz-anthraquinones.

Pat. 2,231,788. 9-Aroyl-10-Phenanthroic Acids. Feb. 11, 1941. Process for the production of 9-aroyl-10-phenanthroic acids from phenanthrene by the steps: (1) Simultaneous metallization and treatment with CO_2; (2) Acidification to the dicarboxylic acid; (3) Anhydride formation and oxidation to the 9:10-phenanthrene dicarboxylic acid anhydride; (4) Friedel-Crafts reaction.

Pat. 2,233,496. Dyestuffs of the Anthraquinone Series. Mar. 4, 1941. Yellow to red vat dyes are prepared by reacting amino-anthraquinones with C-acyl-1:9-thio-phenanthrone-2-carboxyl chlorides, such as:



Pat. 2,233,502. Compounds of the Anthraquinone Series. Mar. 4, 1941. Claims 1-(p-X-phenyl)-anthraquinone, X=H, Cl, or Br, having at least one halogen in at least one of the 5, 6, 7, or 8-positions.

Pat. 2,238,959. Process for the Preparation of Naphthazarin Intermediate. Apr. 22, 1941. Claims the process of isolating the crude sodium salt of naphthazarin intermediate by rendering slightly alkaline the cooled dilute acid solution of the drowned reaction mass.

Pat. 2,238,961. Dyestuff of the Anthrapyridone Series. Apr. 22, 1941. Claims the product obtained by condensing two moles of 4-amino-N-methylanthrapyridone with one mole of 2:6-dichloroanthraquinone which dyes cotton from the usual alkaline hydrosulfite vat in bright bluish red shades of good strength and fastness properties.

Pat. 2,242,842. Separation of Carbazole. May 20, 1941. A continuous process for the removal of carbazole from solvent solutions of crude anthracene by means of sulfuric acid of a given strength.

Pat. 2,245,535. Preparation of Leuco Esters of Vat Dyestuffs. June 10, 1941. Preparation of the leuco sulfuric acid esters of vattable compounds by effecting the esterification with the reaction product of carbylsulfate and pyridine which is substantially identical with the product obtained by heating one mole of technical carbyl sulfate with at least two moles of pyridine at temperatures above 50° C.

Pat. 2,251,558. Dyestuffs of the Dibenzanthrone Series and Process of Making Them. Aug. 5, 1941. Preparation of dyes of the dibenzanthrone series which comprises heating a dinitrodibenzanthronyl with a secondary dialkylamine until reaction is completed, and heating the resulting bisdialkylaminobenzanthronyl with an alkaline condensing agent to convert the same to a dibenzanthrone. The products are vat blacks useful for dyeing and printing.

Pat. 2,251,559. Intermediates of the Dibenzanthrone Series and Process of Making Them. Aug. 5, 1941. Process for preparing dialkylamino-dibenzanthronyls which comprises heating a nitrodibenzanthronyl with a secondary dialkyl-amine at reaction temperatures.

Pat. 2,251,566. Dyestuff of the Anthraquinone Series. Aug. 5, 1941. Claims the dye which is identical to that obtained by condensing one mole of an alpha-chloro-Bs-1-bromo-benzanthrone with an alpha-aminoanthraquinone, further condensing one mole of this product with one mole of a Bs-1-aminobenzanthrone, and fusing the dicondensation product with caustic alkali, and which dyes cotton from the usual alkaline hydrosulfite vat in green-olive shades of excellent fastness properties.

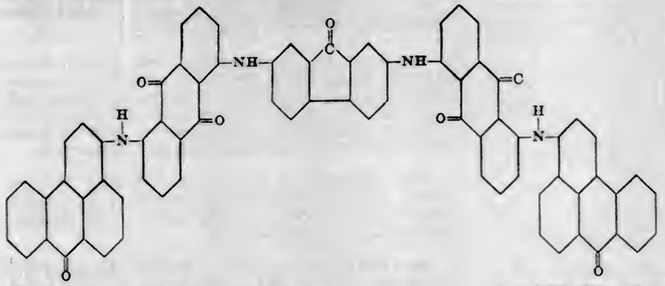
Pat. 2,254,230. Compounds of the Anthraquinone Series. Sept. 2, 1941. Claims a 1-amino-4-arylaminoanthraquinone which carries in the 2-position a substituent of the group consisting of —H, $-SO_3H$ and $-SO_3M$ in which M stands for an alkali metal and in which the arylamino group is a heterocyclic radical of the class consisting of aminobenzoidioxanes and aminobenzodioxoles.

Pat. 2,265,654. Dyestuffs and Dyestuff Intermediates for the Dibenzanthrone Series and a Process for Preparing the Same. Dec. 9, 1941. Process of heating a Bz1-Bz1'-dibenzanthronyl with a phosphorus halide, and treating the resulting intermediate with a strong acid to convert it into a vat dye. Dinitro-Bz1 : Bz1'-dibenzanthronyl gives rise to a neutral gray to black dyeing vat dye.

Pat. 2,265,721. Dyestuff of the Dibenzanthrone Series. Dec. 9, 1941. Claims a gray to black dyeing vat dye obtained by the process which comprises subjecting dibenzanthrone to dinitration by means of a nitrating agent in chlorosulfonic acid. The dye can be further improved by caustic fusion during which chlorine is eliminated and nitro groups are reduced.

Pat. 2,266,782. Vat Dyestuffs of the Anthraquinone Series. Dec. 23, 1941. Claims yellow to red vat dyes prepared by condensation of trimesic acid chloride with amino-anthraquinones that contain bensoyl-amino groups.

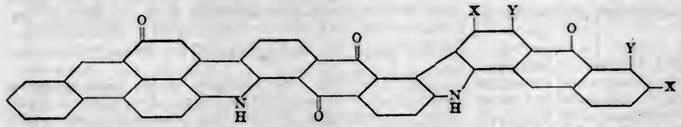
Pat. 2,266,879. Dyestuff of the Benzanthronyl-Amino-Anthraquinone Acridine Series. Dec. 23, 1941. Caustic fusion of :



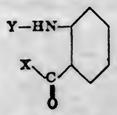
to the acridine, yielding a gray vat dye.

Pat. 2,273,966. Process for Preparing 1-Amino-5-Nitro-Anthraquinone. Feb. 24, 1942. Preparation of 1-amino-5-nitro-anthraquinone by reacting 1,5-dinitroanthraquinone with dimethyl aniline in a phenolic solvent and in the presence of sulfuric acid, the dimethyl aniline being added slowly to prevent an undue liberation of heat, the reduction being stopped immediately upon disappearance of the 1,5-dinitroanthraquinone from the suspension.

Pat. 2,278,977. Dyestuffs of the Anthraquinone Series. Apr. 7, 1942. Claims dyes of the formula :



one X and Y represent the benzacridone radical :



and the remaining X and Y are hydrogen.

Pat. 2,287,590. Fluoroarylaminoanthraquinone Acid Wool Dyestuffs. June 23, 1942. Claims 1-amino-4-arylaminoanthraquinones and 1-hydroxy-4-arylaminoanthraquinones in which the arylamino groups are of the benzene series and which carry fluorine directly attached to the aryl ring of the arylamino radical, and their sulfonic acid derivatives.

Pat. 2,292,551. Naphthostyril-5-Carboxylic Acid. Aug. 11, 1942. Claims the process which comprises nitrating 1,4-naphthalene dicarboxylic acid and reducing the resulting nitro compound with hydrogen in the presence of a nickel catalyst to naphthostyril-5-carboxylic acid. Disclosure is made to the preparation of anthanthrone-3,8-dicarboxylic acid from naphthostyril-5-carboxylic acid.

Pat. 2,293,254. Dyestuffs of the Anthraquinone Series. Aug. 18, 1942. Claims vat dyes obtained by the alcoholic caustic alkali fusion of the anthrimide type condensation derivatives produced by condensing one mole of a dinegatively substituted Bz-1,Bz-1'-dibenzanthronyl in which the negative substituents are of the class consisting of halogen and —NO_2, with two moles of 1,5-diamino-anthraquinone and then with two moles of Bz-1-bromobenzanthrone.

Pat. 2,293,709. Dyestuffs of the Anthraquinone Series. Aug. 25, 1942. 6-Bz-1-dibromobenzanthrone is condensed with two mols of a 1-amino-4-arylamino-anthraquinone and the products sulfonated to give gray wool dyes. The aryl group is of the benzene or naphthalene series.

Pat. 2,293,783. Process for Producing Dibenzanthrone. Aug. 25, 1942. Sodium monoxide and sodium phenate are added to the dibenzanthrone fusion, in order to obtain increased yields.

Pat. 2,302,729. Process of Purifying 1-Nitro-Anthraquinone. Nov. 24, 1942. Purification of 1-nitro-anthraquinone by treatment with sodium sulfite.

Pat. 2,302,733. Compounds of the Dibenzanthrone Series. Nov. 24, 1942. Claims compounds of the class consisting of the di-alkylol and di-cyclo-alkylol others of Bz-2,Bz-2'-dihydroxydibenzanthrone, and their sulfation products, e. g., the di-(β-hydroxy-propyl) ether is obtained by condensing Bz-2 : Bz-2'-dihydroxy-dibenzanthrone with propylene oxide at 165–170° under slight pressure. Sulfations give a green wool dye.

Pat. 2,302,823. Dyestuffs of the Anthraquinone Series. Nov. 24, 1942. Sulfonation of 1-dimethylamino-4-arylamino-anthraquinones, to give level dyeing blue to green wool dyes.

Pat. 2,310,143. Dyestuffs of the Anthraquinone Series. Feb. 2, 1943. Claims the water-soluble sulfonation derivative of 4-amino-4'-hydroxyl, 1'-dianthraquinonylamine which dyes wool from the usual acid bath in clear strong bluish gray shades of good fastness properties.

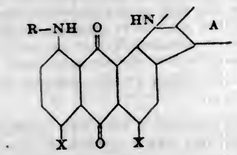
Pat. 2,312,401. Dyestuffs of the Anthraquinone Series. Mar. 2, 1943. Claims the olive dyes obtained by the condensation of a Bz-1-1'-anthraquinonylamino-benzanthrone which carries halogen in an alpha position of the benzanthrone nucleus with a 1-amino-anthraquinone-2-phenyl-azomethine and subjecting the resulting condensation product to a caustic alkaline fusion.

Pat. 2,312,462. Dyestuffs of the Anthraquinone Series. Mar. 2, 1943. Olive to gray dyes obtained by condensing a 6-bromo-Bz-1-1'-anthraquinonylaminobenzanthrone with 1 mole of 1-amino-anthraquinone-2-phenyl-azo-methine and subjecting the resulting condensation product to a caustic alkaline condensation reaction.

Pat. 2,314,356. Compounds of the Anthraquinone Series. Mar. 23, 1943. A dye for animal and related fibers comprising a water-soluble alkanolamine salt of an anthraquinone sulfonic acid in which the alkanolamine radical contains at least two OH groups, which compound exhibits materially increased solubility in water over the alkali metal salts of the corresponding sulfonic acid compound.

Pat. 2,318,133. Process of Dyeing With Vat Dyes. May 4, 1943. Dyeing textile fibers with vat colors by padding the fibers with a caustic alkali solution of the reduced colors and developing the colors on the fibers by subjecting them to a mild alkaline solution of an alkali metal hydrosulfite until development of the color is substantially complete and after the development of the color is substantially complete oxidising the reduced dye on the fibers.

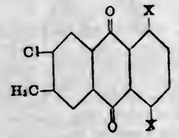
Pat. 2,318,174. Dyestuffs of the Anthraquinone Series. May 4, 1943. Claims water-soluble sulfonation derivatives of 1,2-anthraquinone-naphthcarbazoles :



one X = —NH—CO—R' in which R' = alkyl or aryl and the remaining X = H, R = H, alkyl, aralkyl or aryl radicals and A = a naphthalene nucleus which contains no further substituents, which dyes dye wool and related fibers in gray shades of good fastness properties.

Pat. 2,318,439. Process for Preparing Vat Dyes in Powder Form. May 4, 1943. Production of vat dye powders by incorporating in a highly dispersed aqueous suspension of a vat dye paste, a deflocculating agent comprising an ester of an alkanolamine and a long chain fatty acid, and an aqueous emulsion of an inert, volatile, water-immiscible organic liquid, evaporating the product to dryness and pulverising.

Pat. 2,329,023. Dyestuff Intermediates. Sept. 7, 1948. Claims the amino-chloro-methyl-anthraquinone of the formula :

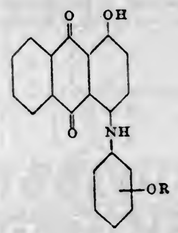


one X = NH_2, the other X = H.

Pat. 2,330,713. Chemical Compounds and Process of Making the Same. Sept. 28, 1943. Claims the process which comprises reacting a primary amino anthraquinone with a beta sulfo saturated aliphatic carboxylic acid inner anhydride of 2 to 6 carbon atoms between 20° C. and 100° C. in the absence of water and recovering a sulfo carboxylic acid amide. Example: 1,4,5,8-tetramino anthraquinone + beta sulfo propionic acid anhydride.

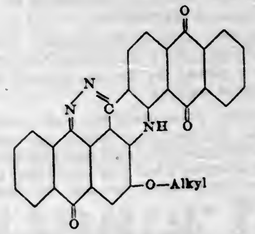
Pat. 2,332,779. Dyestuffs of the Anthraquinone Series. Oct. 26, 1943. Compounds of the group consisting of 4,4'-di-(toluidino)-1,1'-dianthrimide sulfonic acid and 4,4'-di-(xylidino)-1,1'-dianthrimide sulfonic acid, their alpha-nitro- and alphamino-substitution derivatives and the alkali metal salts of such sulfonic acids. Products dye wool directly in gray shades of good fastness properties.

Pat. 2,333,384. Arylaminoanthraquinone Compound. Nov. 2, 1943. Compounds of the formula :



R = —CH_2—COOH, —CH_2—CH_2—OH, CH_2COOCH_3 and CH_2—$COOC_2H_5$ products dye cellulose acetate in violet shades fast to gas fumes.

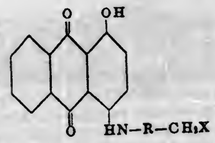
Pat. 2,334,892. Dyestuffs of the Anthraquinone Series. Nov. 23, 1943. The pyridasine derivatives of diphthaloyl acridone of the formula :



the alkyl contains 1–6 C atoms.

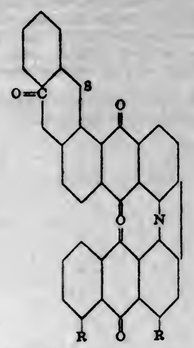
Pat. 2,335,648. Dyestuffs of the Anthraquinone Series. Nov. 30, 1943. New gray wool dyes consisting of 4,4'-di-anilino-1,5- or -2,6- or -1,4- (1',1''-di-anthraquinonyl-amino) anthraquinone sulfonic acid and alkali metal salts thereof.

Pat. 2,335,680. Arylaminoanthraquinone Compounds. Nov. 30, 1943. Compounds of the general formula :



R = phenylene or tolylene, X = —CN, —NHCOCH$_3$, and —OCH_3. Products dye cellulose acetate in violet shades fast to gas fumes.

Pat. 2,344,981. Dyestuffs of the Anthraquinone Series. Mar. 28, 1944. Vat dyes of the formula:



one R—H, the other R—a benzacylamino group. Products dye cotton from a violet hydrosulfite vat in orange to red shades of excellent fastness properties.

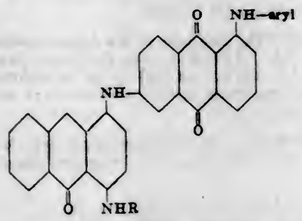
Pat. 2,346,726. Process for Preparing Compounds of the Anthraquinone Series. Apr. 18, 1944. Production of benzoylamino anthraquinones by reacting chloranthraquinones with benzamide in inert solvent in the presence of Cu_2Br_2 and sufficient K_2CO_3 to react with the HCl liberated in the reaction.

Pat. 2,346,772. Process for the Manufacture of 5-Chloro-Quinizarin. Apr. 18, 1944. Production of 5-chlorquinizarin by heating 1-nitro-5-chloranthraquinone or 1-amino-5-chloro-anthraquinone in H_2SO_4 in the presence of H_3BO_3 and $NaNO_3$ at 150°–220° C.

Pat. 2,346,957. Printing Composition. Apr. 18, 1944. An emulsion comprising a film-forming material water, a water-insoluble solvent for the film-forming material and a poly-anthrimide pigment.

Pat. 2,347,252. Dyestuffs of the Anthraquinone Series. Apr. 25, 1944. Claims water soluble sulfonation derivatives of 1,2-anthraquinone-naphthcarbazoles which carry in one of the positions 4 and 5 an aroylamino group of the anthraquinone series which contains not more than five condensed rings.

Pat. 2,348,013. Dyestuffs of the Anthraquinone Series. May 2, 1944. Compounds of the formula:



and their sulfonic acids and alkali metal salts of their sulfonic acids, R—H or alkyl, aryl—benzene or naphthalene.

Pat. 2,353,041. Dyestuffs of the Anthraquinone Series. July 4, 1944. Production of acid wool dyes of good fastness properties by reacting an anilinoanthraquinone which carries a methylol group in the para position of the anilino radical with a diarylamine in which one aryl group is benzene and is unsubstituted in the position para to the amino group.

Pat. 2,350,381. Compounds of the Anthraquinone Series. Oct. 3, 1944. Claims 1,4-di-(omega-cyanoalkylamino)-anthraquinones in which the alkyl group in each instance is a straight chain alkyl group of 2–5 C atoms, which carry in the 5- and 8- positions an H or OH. Products color acetate silk in shades which show exceptional resistance to atmospheric fading.

Pat. 2,363,042. Dyes of the Anthraquinone Series. Nov. 21, 1944. Claims the 1,9-isothiazoleanthrones of the formula:

R—H, alkyl, aralkyl, cycloalkyl acidyl sulfonyl and aryl of the benzene or naphthalene series as well as halogen and sulfonic acid derivatives of these compounds.

Pat. 2,363,069. Anthraquinone Dyes for Animal and Related Fibers. Nov. 21, 1944. Production of wool taupe dyes by acylating a 4-amino-1,1'-dianthrimide, sulfonating the resulting product in oleum and subjecting the resulting acylated amino-1,1'-dianthrimide sulfonic acid to the action of a reducing agent in H_2SO_4 at 0° to 100° C.

Pat. 2,364,473. Dyes of the Anthraquinone Series. Dec. 5, 1944. Claims blue dyes of the anthraquinone acid wool series, which exhibit good level dyeing properties, of the group: 1-amino-4-(cyanomethylphenylamino)-2-anthraquinone sulfonic acid alkali metal salts and 1-amino-4-(cyanamethyl-4-tolylamino)-2-anthraquinone sulfonic acid alkali metal salts.

Pat. 2,369,969. Acid Wool Dyestuffs of the Anthraquinone Series. Feb. 20, 1945. Claims 4,7'-diamino-1-(2'-fluorenonylamino)-anthraquinone sulfonic acid and its alkali metal salts. These products of the acid wool series give dyeings of gray to olive shades which have excellent light fastness.

Pat. 2,372,313. Diarylamino-Trianthrimides. Mar. 27, 1945. Claims diphenyl-amino-trianthrimides in which each of the trianthrimide amino groups is connected in an alpha position to at least one anthraquinone molecule and which trianthrimides carry the phenyl amino group in the para position on the anthraquinone nucleus relative to the imino linkages, e. g., 4'4''-dianilino-1,5-(1',1''-dianthraquinonylamino)-anthraquinone.

Pat. 2,373,826. Process for the Preparation of Anthraquinonylamino Substitution Derivatives of Cyanuric Chloride. Apr. 17, 1945. Preparation of triarylamino derivatives of cyanuric chlorides by replacing two of the Cl atoms with amines of the anthraquinone series in an inert organic solvent, and replacing the third Cl atom with an arylamine in a phenol or naphthol at 100° to 120° C. The products dye cotton in fast orange-yellow and greenish blue shades.

Pat. 2,396,989. Process for the Preparation of 1-Bromo-2-Methylanthraquinone. Mar. 19, 1946. Preparation of 1-bromo-2-methylanthraquinone by reacting 1 mole of 2-methylanthraquinone in a mixture of oleum and chlorsulfonic acid with .5 to .55 moles of bromine in the presence of a bromination catalyst and chlorine or sulfuryl chloride as an oxidising agent to liberate Br from HBr formed during the reaction.

Pat. 2,399,355. Compounds of the Naphthoquinone Series. Apr. 30, 1946. Blue and green cellulose ester dyes from 1,4-di-(alkylamino)-5,8, naphthoquinone in which the alkyl groups contain 1–5 carbons.

Pat. 2,405,702. Process for Preparing Pyranthrone. Aug. 13, 1946. Preparation of pure pyranthrone from impure 2,2'-dimethyl-1,1'-dianthraquinoeyl containing 2-halogen-3-methyl-anthraquinones by fusing with a phenol and an alkali metal hydroxide.

TRADE-MARKS

OFFICIAL GAZETTE, JANUARY 25, 1949

[VOL. 618. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 2

RECEPTACLES

Ser. No. 519,957. THE KALART COMPANY INC., Stamford, Conn. Filed Apr. 1, 1947.

KALART

FOR SHIPPING BOXES AND CARTONS MADE OF CARDBOARD, WOOD, OR PLASTIC; SHIPPING BAGS AND ENVELOPES MADE OF FABRIC OR PAPER.
Claims use since 1935.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 520,502. FAIRY DYES LTD., Glasgow, Scotland. Filed Apr. 11, 1947.

MORNING PRIDE

FOR SHAVING CREAM.
Claims use since May 18, 1935.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 489,629. VANCE LABORATORIES, San Francisco, Calif. Filed Oct. 8, 1945.

KAYO

FOR MEDICINAL PREPARATION IN LIQUID FORM FOR THE TREATMENT OF WARTS.
Claims use since July 15, 1932.

Ser. No. 496,541. CASIMIRO POLLEDO S. A. C. G. AND ALBERTO FERRASANO, Buenos Aires, Argentina. Filed Feb. 14, 1946.

TRETOLINA

FOR DISINFECTANTS FOR HUMAN, HOUSEHOLD, INDUSTRIAL, AND ANIMAL USE.
Claims use since July 24, 1945.

Ser. No. 511,333. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill. Filed Oct. 23, 1946.

AQUEOUS ESTROTHIOLIN

No claim is made to the word "Aqueous," apart from the mark.
FOR MEDICINAL PREPARATION SOLD ONLY ON A PHYSICIAN'S PRESCRIPTION AND ADMINISTERED BY INJECTION USED IN THE TREATMENT OF THE CLIMACTERIC OR MENOPAUSE, CERTAIN OTHER CONDITIONS RESULTING FROM OVARIAN DEFICIENCY SUCH AS SENILE VAGINITIS, KRAUROSIS VULVAE, PRURITUS VULVAE, AND IN PROMOTING SEXUAL DEVELOPMENT IN CASES OF INFANTILISM WHERE THE DESIRED EFFECTS FROM THE USE OF THE GONADOTROPIC HORMONES HAVE BEEN DISAPPOINTING.
Claims use since Mar. 17, 1944.

Ser. No. 515,138. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Dec. 31, 1946.

WARCOFIX

FOR QUATERNARY ORGANIC MATERIAL FOR USE IN THE PROCESSING OF TEXTILES, PARTICULARLY AS A FIXATIVE FOR DYESTUFFS.
Claims use since Aug. 14, 1946.

Ser. No. 520,131. WILLIAM P. WANNEMACHER, doing business as Wannemacher Mfg. Co., Bloomington, Ill. Filed Apr. 3, 1947.

WAN-NA-TIN

The lining is solely for the purpose of designating shading. Applicant disclaims the syllable "Tin" apart from the mark.
FOR TINNING LIQUID FOR USE IN BONDING TIN, LEAD, AND SOLDER TO OTHER METALS.
Claims use since Apr. 5, 1941.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,722. WARREN WEBSTER & COMPANY, Camden, N. J. Filed July 2, 1947. Under 10-year proviso.

Webster

FOR PLUMBING AND STEAM FITTING SUPPLIES—NAMELY, VALVES FOR STEAM AND HOT WATER CONDUITS, APERTURED DISC-LIKE ORIFICE DEVICES FOR CONTROLLING THE FLOW OF STEAM IN STEAM HEATING SYSTEMS, TRAPS, STRAINERS, PIPE FITTINGS, FITTINGS FOR ACCUMULATING WATER IN CONDUITS CONNECTING STEAM MAINS TO THE DIAPHRAGMS OF PRESSURE REDUCING VALVES, FITTINGS FOR STEAM BOILERS TO PREVENT EXCESSIVE DROP OF THE WATER LEVEL THEREIN, STEAM FITTINGS FOR BREAKING THE VACUUM AT A PREDETERMINED POINT IN STEAM SYSTEMS, EXPANSION JOINTS, OIL SEPARATORS.
Claims use since Jan. 1, 1888.

CLASS 19

VEHICLES

Ser. No. 499,059. THE KARRIALL COMPANY, Chicago, Ill. Filed Mar. 27, 1946.

KAMPER

FOR CAMPING AND HOUSING TRAILERS FOR USE WITH AUTOMOBILES.
Claims use since Dec. 1, 1944.

Ser. No. 505,590. KAISER-FRAZER CORPORATION, Willow Run, Mich. Filed July 13, 1946.

The lining represents the colors black and green which are an integral part of the mark.
FOR PASSENGER AUTOMOBILES.
Claims use since Jan. 17, 1946.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 525,038. W. & J. SLOANE, New York, N. Y. Filed June 27, 1947. Under 10-year proviso.

SLOANE

FOR LINOLEUM, OIL CLOTH AND FELT BASE FLOOR, WALL, SHELF, AND FURNITURE COVERING, SOLD BY THE YARD OR CUT INTO RUGS, MATS, OR TILES, AND COMPOSITION FLOOR TILES OF LINOLEUM OR OTHER MATERIAL.
Claims use since 1855.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 486,621. JOSEPH W. JONES, New York, N. Y. Filed Aug. 2, 1945.

Motrola

FOR ELECTRIC MOTORS FOR WINDING PHONOGRAPH SPRING MOTORS.
Claims use since Dec. 27, 1915.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 498,562. WILLSON PRODUCTS, INC., Reading, Pa. Filed Mar. 19, 1946.

FOR OPHTHALMIC MOUNTINGS AND PARTS THEREOF.
Claims use since 1870.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 500,840. SPAULDING & COMPANY, Chicago, Ill. Filed Apr. 24, 1946.

The trade-mark consists of a right angle triangle in solid color, with the hypotenuse thereof extending obliquely with respect to the container to which the trade-mark is applied. The mark is often applied to the top left-hand corner of a rectangular container for the goods.
FOR JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, BRACELETS, ANKLETS, EARRINGS, EAR CLIPS, NECKLACES, PINS, CLIPS, AND COSTUME JEWELRY: DIAMONDS AND OTHER PRECIOUS AND SEMI-PRECIOUS STONES, NATURAL AND CULTURED PEARLS; AND THE FOLLOWING GOODS MADE OF GOLD, SILVER, PLATINUM, OR PALLADIUM, OR ORNAMENTED WITH SAME: TABLE CUTLERY, TABLE PLACE-SETTINGS, TABLE FLATWARE, TABLE CARVING SETS, PLAQUES, TRAYS, DOUBLE DISHES, PICTURE FRAMES, BOWLS, VASES, ASH TRAYS, CANDLESTICKS, PITCHERS, SALT AND PEPPER SHAKERS, PEPPER MILLS, CUPS, THIMBLES, AND TOILET SETS.
Claims use since Oct. 1, 1932.

Ser. No. 521,661. GUILD ARTS & CRAFTS, INC., Richmond Hill, N. Y. Filed May 1, 1947.

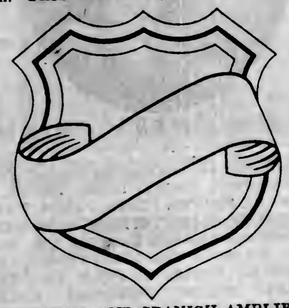
LIFETIME

FOR ROSARIES.
Claims use since Feb. 4, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 513,279. VALCO MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 26, 1946.



FOR HAWAIIAN AND SPANISH AMPLIFYING AND ELECTRIC GUITARS, AND GUITAR ACCESSORIES—NAMELY, CASES, PICKS, AND STEELS.
Claims use since June 1, 1924.

Ser. No. 513,280. VALCO MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 26, 1946.

National

FOR HAWAIIAN AND SPANISH AMPLIFYING AND ELECTRIC GUITARS AND GUITAR ACCESSORIES—NAMELY, CASES, PICKS, AND STEELS.
Claims use since June 1, 1924, on Hawaiian and Spanish guitars, etc.; and since 1931 on electric guitars.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 518,868. ANTONIO RIVIERE MANEN, Barcelona, Spain. Filed Mar. 12, 1947.

FOR TYPOGRAPHICAL AND LITHOGRAPHICAL PRINTED WORK—NAMELY, BOOKS, PERIODICAL PUBLICATIONS, TARIFF SCHEDULES, PRINTED POSTERS, PRINTED ANNOUNCEMENTS, AND COMMERCIAL ADVERTISING SOLD AS SUCH.
Claims use since Jan. 12, 1946.

Ser. No. 524,958. EAST MICHIGAN TOURIST ASSOCIATION, Bay City, Mich. Filed June 27, 1948.

Playtime

FOR MAGAZINES PUBLISHED FROM TIME TO TIME.
Claims use since April 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 518,869. ANTONIO RIVIERE MANEN, Barcelona, Spain. Filed Mar. 12, 1947.

FOR TYPOGRAPHICAL AND LITHOGRAPHICAL PRINTED WORK—NAMELY, BOOKS, PERIODICAL PUBLICATIONS, TARIFF SCHEDULES, PRINTED POSTERS, PRINTED ANNOUNCEMENTS, AND COMMERCIAL ADVERTISING SOLD AS SUCH.
Claims use since Jan. 12, 1946.

Ser. No. 524,959. EAST MICHIGAN TOURIST ASSOCIATION, Bay City, Mich. Filed June 27, 1948.

Playtime

FOR MAGAZINES PUBLISHED FROM TIME TO TIME.
Claims use since April 1935.

Ser. No. 525,037. MASTER WEBBARD DISTRIBUTORS INC.,

Ser. No. 525,214. CHARLES H. HANSEN, doing business as Chas. H. Hansen Music Co., New York, N. Y. Filed June 30, 1947.

The word "note" is disclaimed.
FOR SERIES OF PUBLICATIONS COMPRISING SHEET MUSIC COLLECTIONS.
Claims use since May 1, 1947.

CLASS 39

CLOTHING

Ser. No. 486,486. HENNY HAT INCORPORATED, New York, N. Y. Filed July 30, 1945.

The portrait shown on the drawing is that of Barbara Kokknis, a minor, daughter of Dorris Kokknis and James Kokknis, and grand-daughter of William Wolf, the president of the applicant corporation. Permission to register as a trade-mark is given by both parents.
FOR CHILDREN'S AND LITTLE MISSES' BOOTIES, MITTENS, SOCKS, COTTON PANTS, RAYON PANTS, POLO SHIRTS, JERSEY SUITS, SHIRTS, SLIPS, PAJAMAS, OVERALLS, JODHPURS, SWEATERS, BOOTIE SETS, ROMPERS, WASH SUITS, BABY CAPS, BABY BONNETS, AND HATS.
Claims use since May 1944.

Ser. No. 508,357. NISSEN'S, Oklahoma City, Okla. Filed Aug. 26, 1946.

Venta-Ray
NISSEN'S, OKLAHOMA CITY

The words "Nissen's, Oklahoma City" are disclaimed.
FOR SHOES.
Claims use since Mar. 1, 1933.

Ser. No. 524,366. WOLSEY LIMITED, Leicester, England. Filed June 17, 1947.

QUATORIAL

FOR STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE AND WORK SHIRTS, VESTS, PANTS, KNICKERS, APPAREL BELTS, COMBINATIONS OF UNDERWEAR, PYJAMAS, PULLOVER SWEATERS OR BLOUSES, SWEATERS, WAIST-COATS, JERSEYS, GLOVES, MITTENS, SCARVES, CAPES, SHAWLS, BATHING COSTUMES AND BEACH COSTUMES, CARDIGANS, JACKETS, NECKTIES, ANKLETS, NIGHT-DRESSES, JUMPERS, SKIRTS, PETTICOATS, BODICES, SPENCERS, DRAWERS, CLOAKS, GAITERS, SUITS, DRESSES, GOWNS, APRONS, BERETS, BLOUSES, FOOT SOCKS, PILCHERS (BABY PANTS), COATS, CAPS, BONNETS, FROCKS, AND BREECHETTE SETS COMPRISING PANTS AND LEGGINGS, ALL FOR WOMEN, MEN, AND CHILDREN.
Claims use since Oct. 1, 1901.

Ser. No. 524,367. WOLSEY LIMITED, Leicester, England. Filed June 17, 1947.

The portrait shown on the drawing is merely fanciful.
FOR STOCKINGS, SOCKS, HOSE, DRESS, NEGLIGEE AND WORK SHIRTS, VESTS, PANTS, KNICKERS, APPAREL BELTS, COMBINATIONS OF UNDERWEAR, PYJAMAS, PULLOVER SWEATERS OR BLOUSES, SWEATERS, WAIST-COATS, JERSEYS, GLOVES, MITTENS, SCARVES, CAPES, SHAWLS, BATHING COSTUMES AND BEACH COSTUMES, CARDIGANS, JACKETS, NECKTIES, ANKLETS, NIGHT-DRESSES, JUMPERS, SKIRTS, PETTICOATS, BODICES, SPENCERS, DRAWERS, CLOAKS, GAITERS, SUITS, DRESSES, GOWNS, APRONS, BERETS, BLOUSES,

FOOT SOCKS, PILCHERS (BABY PANTS), COATS, CAPS, BONNETS, FROCKS, AND BREECHETTE SETS COMPRISING PANTS AND LEGGINGS, ALL FOR WOMEN, MEN, AND CHILDREN.
Claims use since Jan. 16, 1920.

Ser. No. 524,374. J. H. CHURCHWELL COMPANY, Jacksonville, Fla. Filed June 18, 1947.

REAL MONEY

FOR WORK PANTS AND WORK SHIRTS.
Claims use since Feb. 1, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 505,890. COLUMBUS COATED FABRICS CORPORATION, Columbus, Ohio. Filed July 19, 1946.

Plastolyn

FOR PLASTIC COATED TEXTILE FABRICS OF COTTON, NYLON, RAYON, GLASS, SOLD BY THE PIECE, AND IN CUT LENGTHS FOR TABLE COVERINGS.
Claims use since June 1, 1946.

Ser. No. 515,270. MALIBU FABRICS, INC., New York, N. Y. Filed Jan. 4, 1947.

Nyl-Sylk

The word "Sylk" is disclaimed apart from the mark.
FOR NYLON AND SILK SATIN FABRICS SOLD BY THE BOLT MADE OF A MIXTURE OF SILK AND NYLON YARNS.
Claims use since Dec. 9, 1946.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 498,538. NEW ENGLAND FISH COMPANY, Seattle, Wash. Filed Mar. 19, 1946.

ADVANCE

FOR CANNED FISH—NAMELY, CANNED SALMON AND CANNED TUNA FLAKES.
Claims use since 1910.

Ser. No. 501,758. MOTHER HUBBARD DISTRIBUTORS INC., New York City, N. Y. Filed May 9, 1946.

POP-ETTES

FOR BAKED PRODUCT—NAMELY, CROUTONS COMPOSED OF EGGS, SHORTENING, FLOUR, AND SALT.
Claims use since Mar. 28, 1946.

Ser. No. 507,578. HERBERT K. CLOFINE, doing business as Herbert K. Clofine, Philadelphia, Pa. Filed Aug. 17, 1946.

GREEN VALLEY

FOR DRIED MILK PRODUCTS FOR HUMAN CONSUMPTION—NAMELY, SPRAY PROCESS-NON-FAT DRIED MILK SOLIDS AND ROLLER PROCESS-NON-FAT DRIED MILK SOLIDS USED IN BAKERIES, CONFECTIONERIES, AND ICE CREAM PLANTS.
Claims use since Aug. 5, 1946.

Ser. No. 520,854. BEWLEY MILLS, Fort Worth, Tex. Filed Apr. 17, 1947.

WHITE FAWN

No claim is made to the descriptive word "White" except in connection with the trade-mark as shown.
FOR WHEAT FLOUR.
Claims use since 1903.

Ser. No. 523,544. THE RUBEL BAKING COMPANY, Cincinnati, Ohio. Filed June 4, 1947.

Applicant is the owner of Reg. No. 302,520. The color represented by the lining in the drawing is orange or red with an orange tint.
FOR RYE BREAD.
Claims use since Sept. 1, 1932.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 478,136. Monarch Leather Company, Chicago, Ill. Filed Aug. 10, 1948; originally filed, act of 1905, Jan. 1, 1945.

ARMY

FOR LEATHER.
Claims use since 1906.

Ser. No. 499,689. Beggs & Cobb, Incorporated, Boston, Mass. Filed July 29, 1948; originally filed, act of 1905, Apr. 5, 1946.

BURLEE

FOR UPPER LEATHER.
Claims use since Mar. 4, 1946.

Ser. No. 532,179. James Vick's Seeds, Inc., Philadelphia, Pa. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

JAMES VICK

FOR VEGETABLE AND FLOWER SEEDS, BULBS, AND PLANTS; AND SOIL.
Claims use since 1850.

Ser. No. 535,690. Albert W. Davidson, Arcadia, Calif. Filed Sept. 25, 1947.

DAVIDSON'S *Tempered*

The word "Davidson's" is disclaimed apart from the mark as shown.
FOR FLOWERS GROWN FROM SEEDS, BULBS, BULBLETS, CORMS, CORMELS, AND SLIPS.
Claims use since June 13, 1947.

Ser. No. 538,647. Marathon Corporation, Rothschild, Wis. Filed Oct. 22, 1947.

MARAPRENE

FOR LIGNIN REINFORCED RUBBER.
Claims use since Dec. 26, 1946.

Ser. No. 543,180. Halvorson Trees Incorporated, Duluth, Minn., assignor to Halvorson Trees, Duluth, Minn., a firm. Filed Dec. 3, 1947. Under section 2f of the act of 1946.

HALVORSON TREES

The word "Trees" is disclaimed apart from the mark shown.
FOR NATURAL CHRISTMAS TREES.
Claims use since Sept. 1, 1934.

Ser. No. 543,936. Kennicott Bros. Company, Chicago, Ill. Filed Dec. 10, 1947.

FLOWERS OF FASHION

No claim is made for the word "Flowers" apart from the combination.
FOR CUT FLOWERS.
Claims use since January 1947.

Ser. No. 543,979. Newport Industries, Inc., Pensacola, Fla. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

MUNN

Applicant claims ownership of registration No. 306,133.
FOR ROSIN.
Claims use since May 31, 1929.

Ser. No. 544,095. J. Lichtman & Sons, Newark, N. J. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

BERKSHIRE

Applicant claims ownership of registration No. 334,612.
FOR LEATHER.
Claims use since Mar. 3, 1935.

Ser. No. 545,175. Sears, Roebuck and Co., Chicago, Ill. Filed Dec. 22, 1947.

FOR BATTS AND BATTING MATERIALS, MADE OF COTTON, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF.
Claims use since Jan. 1, 1946.

Ser. No. 546,191. Crozer-Pocahontas Company, Philadelphia, Pa. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

CROZER

Applicant claims ownership of registration No. 223,842.
FOR COAL.
Claims use since Apr. 1, 1910.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 547,024. North Bergen Leather Products Co., North Bergen, N. J. Filed Jan. 14, 1948.

No claim is made to the words "Style" and "Fifth Ave." apart from the mark as shown. The picture of the women in the mark is fanciful.
FOR LADIES' HANDBAGS, MADE OF LEATHER, FABRIC, AND PLASTIC MATERIALS.
Claims use since 1925.

Ser. No. 553,514. Progress Case & Bag Co., Chicago, Ill. Filed Mar. 31, 1948.

The drawing is lined for silver and blue, and the picture of the girl appearing thereon is fanciful.
FOR LADIES' LUGGAGE, COMPRISING OVERNIGHT BAGS AND SUITCASES MADE OF CANVAS, LEATHER, AND COMBINATIONS THEREOF.
Claims use since Sept. 15, 1947.

Ser. No. 559,929. G. D. Kleinberger, Inc., New York, N. Y. Filed June 22, 1948.

Tecla

FOR HANDBAGS, PURSES, POCKETBOOKS, WALLETS, TRUNKS, BRIEF CASES, SUIT CASES, SATCHELS, AND FITTED TRAVELING CASES.
Claims use since May 24, 1948.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 546,309. Meyer Brothers, Paterson, N. J. Filed Jan. 6, 1948.

Em Bee

FOR SPOT CLEANER, AND ALL SURFACE CLEANER.
Claims use since August 1938.

Ser. No. 554,915. Monsanto Chemical Company, St. Louis, Mo. Filed Apr. 17, 1948.

SQ-40

FOR SYNTHETIC DETERGENT COMPOSITIONS FOR GENERAL CLEANING PURPOSES.
Claims use since Mar. 8, 1948.

Ser. No. 555,682. SAMUEL M. LEDERMAN, doing business as Lee Products, Buffalo, N. Y. Filed Apr. 27, 1948.

DRIP

FOR WATERLESS HAND CLEANER.
Claims use since Mar. 16, 1948.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 499,704. LELAND F. GIPSON, Oakland, Calif. Filed July 7, 1947; originally filed, act of 1905, Apr. 5, 1946. Under section 2f of the act of 1946.

GIPSON'S

SUN OAK

FOR PREPARATION FOR EXTERNAL APPLICATION FOR TREATMENT OF SUNBURN, POISON-OAK, AND OTHER SKIN IRRITATIONS.
Claims use since Jan. 10, 1936.

Ser. No. 513,628. RALPH E. MARTINEZ, doing business as Martinez Laboratories, Oxnard, Calif. Filed Jan. 24, 1948; originally filed, act of 1905, Dec. 3, 1946. Under section 2f of the act of 1946.

MARTINEZ SALVE DRAWS

The words "Salve" and "Draws" are disclaimed apart from the mark as shown.
FOR SALVE FOR THE TREATMENT OF BOILS, CARBUNCLES, INFECTIONS AND MINOR SKIN ERUPTIONS, INSECT BITES, ETC.
Claims use since Nov. 15, 1938.

Ser. No. 522,519. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947; originally filed, act of 1905, May 16, 1947.

CONTRATONE

FOR PHOTOGRAPH DEVELOPER.
Claims use since Apr. 21, 1947.

Ser. No. 528,494. LES PARFUMS NORANTE, SOCIETE A RESPONSABILITE LIMITEE, Melun, France. Filed July 12, 1947.

WALLY

Applicant claims ownership of French registration No. 312,114, dated Dec. 23, 1936.
FOR PERFUMES, TOILET WATERS, ROUGE, LIPSTICK, AND FACE CREAMS.

Ser. No. 528,790. THE C. P. HALL COMPANY, Akron, Ohio. Filed July 17, 1947.

HALLCO

FOR WAX DERIVED FROM PETROLEUM FOR USE IN COMPOUNDING RUBBER STOCKS AND FOR IMPREGNATING PAPER, TEXTILES, AND COMPOSITION SHEET MATERIAL.
Claims use since July 15, 1946.

Ser. No. 545,945. ETIENNE BEJEAN, Paris, France. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

BÉJEAN

Applicant claims ownership of registration No. 234,493 and of French registration No. 241,004, dated Aug. 7, 1926.
FOR PREPARATION FOR THE TREATMENT OF GOUT AND RHEUMATISM.
Claims use since Aug. 7, 1926.

Ser. No. 546,728. PLUTO CORPORATION, French Lick, Ind. Filed Jan. 10, 1948.

Applicant claims ownerships of registration No. 47,748.
FOR MINERAL WATERS FOR MEDICINAL PURPOSES, EFFERVESCENT CRYSTALS, AND LAXATIVE PILLS.
Claims use since Jan. 1, 1898, on mineral waters; since Oct. 27, 1947, on effervescent crystals; and since Dec. 18, 1947, on laxative pills.

Ser. No. 547,474. C. J. MOFFETT MEDICINE COMPANY, Columbus, Ga. Filed Jan. 19, 1948. Under section 2f of the act of 1946.

DR. MOFFETT'S TEETHINA

Applicant claims ownership of registration No. 68,118.
FOR LAXATIVE.
Claims use since July 1877.

Ser. No. 551,078. E. BILHUBER, INC., Orange, N. J. Filed Mar. 3, 1948.

Evalin

FOR CHEMICAL COMPOUND USEFUL AS A SEDATIVE AND ANALGESIC IN A TABLET FORM, SAID TABLETS CONTAINING BROMISOVALERYLUREA AND ACETYLSALICYLIC ACID.
Claims use since Feb. 12, 1948.

Ser. No. 551,259. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES

Applicant claims ownership of registrations Nos. 184,508, 185,714, 317,158, 320,294, 326,035, 326,037, 330,285, and 347,726.
FOR DISINFECTANTS, INSECTICIDES, FUNGICIDES, AND BACTERICIDES; INSECT AND ANIMAL REPELLENTS; VETERINARY MEDICINES—NAMELY, VITAMIN TABLETS, VITAMIN FORTIFIED OILS, WHEAT GERM OIL, PHENOTHIAZINE COMPOUND, AND PARA-DECHLORO-BENZINE; AND ANTIFREEZE COMPOUNDS.
Claims use since Apr. 5, 1934.

Ser. No. 552,716. RALSTON PURINA COMPANY, St. Louis, Mo. Filed Mar. 22, 1948.

PURINA

Applicant claims ownership of registrations Nos. 27,666, 61,057, 61,064, 122,817, 289,064, and 289,912.
FOR INSECTICIDES, FUNGICIDES, AND VERMIFUGES.
Claims use since May 1, 1931.

Ser. No. 554,182. WESTERN PHARMACAL COMPANY, Salt Lake City, Utah. Filed Apr. 8, 1948.

APHEDA

FOR ANALGESIC AND ANTISPASMODIC TABLET FOR SYMPTOMATIC RELIEF OF PRIMARY DYSMENORRHEA.
Claims use since Oct. 1, 1936.

Ser. No. 564,022. DALARE ASSOCIATES, Philadelphia, Pa. Filed Apr. 23, 1948.

PROPEPTANS

Applicant claims ownership of registration No. 459,166.
FOR SPECIFIC PREPARATIONS DESIGNED FOR THE ORAL TREATMENT OF THOSE SYMPTOMS SUCH AS RHINITIS, SINUSITIS, URTICARIA, STOMACH AND INTESTINAL DISTURBANCES RESULTING FROM THE SENSITIVITY OR ALLERGY OF CERTAIN INDIVIDUALS AND ANIMALS TO A SPECIFIC FOOD, POLLEN, DUST, WOOL, HAIR, OR OTHER MATERIAL.
Claims use since Mar. 1, 1943.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 502,717. ROGERS IMPORTS INC., New York, N. Y. Filed Dec. 29, 1947; originally filed, act of 1905, May 24, 1946. Under section 2f of the act of 1946.

E-Z LOK

FOR TOBACCO POUCHES, CIGAR, CIGARETTE, AND PIPE CASES, AND LEATHER-COVERED HUMIDORS IN THE NATURE OF A HUMIDIFIER FOR TOBACCO PRODUCTS.
Claims use since Nov. 2, 1923.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 514,109. DOWELL INCORPORATED, Midland, Mich. Filed Feb. 27, 1948; originally filed, act of 1905, Dec. 12, 1946.

JELFOAM

Applicant claims ownership of registration No. 385,466.
FOR CELLULAR MATERIAL TO BE ADDED TO FLUID AGENTS EMPLOYED IN TREATING WELL BORES, WHICH ACTS AS A SEAL TO PREVENT LOSS OF THE FLUID INTO POROUS EARTH FORMATIONS.
Claims use since Mar. 7, 1945.

Ser. No. 534,332. PACIFIC CLAY PRODUCTS, Los Angeles, Calif. Filed Sept. 12, 1947. Under section 2f of the act of 1946.

CERAMICWELD

Applicant claims ownership of registration No. 399,152.
FOR CERAMIC PIPE, CERAMIC PIPE FITTINGS, AND CERAMIC PIPE JOINT COLLARS.
Claims use since July 1938.

Ser. No. 537,930. NALLE PLASTICS, INC., Austin, Tex. Filed Oct. 15, 1947.

NAL-TILE

The word "Tile" is disclaimed apart from the mark as shown.
FOR MOLDED PLASTIC ARTICLES—NAMELY, WALL TILES.
Claims use since August 1947.

Ser. No. 550,205. AMERICAN FELT COMPANY, Glenville, Conn. Filed Feb. 20, 1948.

Comfy-Cottage

No claim is made to the exclusive use of the word "Cottage" apart from the mark shown.
FOR WEATHER STRIP FELT.
Claims use since Jan. 2, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,395. AMPCO METAL, INC., Milwaukee, Wis. Filed July 5, 1947; originally filed, act of 1905, Feb. 13, 1947.

AMPCOLOY

Applicant claims ownership of registrations Nos. 415,617 and 428,384.
FOR ROLLED AND EXTRUDED NON-FERROUS TUBING.
Claims use since May 31, 1938.

CLASS 15

OILS AND GREASES

Ser. No. 534,685. D. A. STUART OIL CO., LIMITED, Chicago, Ill. Filed Sept. 16, 1947.

DASCOLENE

FOR CUTTING OIL.
Claims use since Mar. 26, 1923.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 539,596. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

Minnesota

Applicant claims ownership of registration No. 90,456.
FOR READY MIXED PAINTS, FOR GENERAL PURPOSES, AND WOOD STAINS.
Claims use since 1888.

Ser. No. 539,598. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

HAVILAND

Applicant claims ownership of registration No. 205,062.
FOR PAINT AND PAINT ENAMEL IN LIQUID FORM.
Claims use since Mar. 1, 1915.

Ser. No. 539,890. M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Nov. 1, 1947.

MERPACO

FOR LIQUID ROOF PAINTS.
Claims use since 1937.

Ser. No. 540,044. DE BOOM PAINT CO., San Francisco, Calif. Filed Nov. 4, 1947.

DEB-O-LIN

FOR PAINTS SOLD IN PASTE AND LIQUID FORM, VARNISHES, PAINT AND BAKING ENAMELS, UNDERCOATERS, SEALERS, PAINT STAINS SOLD IN LIQUID FORM, AND LIQUID PAINT REMOVERS.
Claims use since May 21, 1946.

Ser. No. 540,048. DE BOOM PAINT CO., San Francisco, Calif. Filed Nov. 4, 1947.

DEB-O-TEX

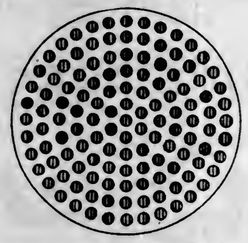
FOR AUTOMOTIVE SYNTHETIC PAINT AND BAKING ENAMELS, UNDERCOATERS, REDUCERS, PRIMERS, AND SEALERS.
Claims use since Jan. 19, 1947.

Ser. No. 540,675. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

SINGAPORE

FOR ANTIFOULING BOTTOM PAINT FOR WATERBORNE CRAFT.
Claims use since Apr. 15, 1940.

Ser. No. 542,328. THE MARTIN-SENOUR COMPANY, Chicago, Ill. Filed Nov. 25, 1947.



The mark comprises a series of small color chart disks enclosed in a circular outline, each of the disks representing a different color. The vertical lining of the disks shown on the drawing represents one hundred and twenty-seven different colors.
FOR CUSTOM MIXED PAINTS AND PAINT ENAMELS.
Claims use since Mar. 7, 1947.

CLASS 19

VEHICLES

Ser. No. 556,868. BOYER INDUSTRIES, INC., Omaha, Nebr. Filed May 12, 1948.

FOR HOUSE TRAILERS.
Claims use since Nov. 14, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 511,464. GENERAL PRODUCTS CORPORATION, Union Springs, N. Y. Filed July 16, 1948; originally filed, act of 1905, Oct. 25, 1946.

FOR MOLDED PLASTIC PARTS FOR INTERNAL COMBUSTION ENGINE IGNITION SYSTEMS.
Claims use since May 1, 1945.

Ser. No. 522,606. MOTOROLA, INC., Chicago, Ill., now by change of name from Galvin Manufacturing Corporation. Filed Sept. 9, 1947; originally filed, act of 1905, May 17, 1947.

Motorola

Applicant claims ownership of registrations Nos. 275,837, 399,935, and 400,049.
FOR RADIO CONDENSERS; ELECTRIC TRANSFORMERS; VIBRATORS FOR RADIO APPARATUS; RADIO LOUD SPEAKERS; ELECTRICAL COILS; RADIO INDUCTANCE UNITS; PIEZOELECTRIC CRYSTALS FOR RADIO EQUIPMENT; BATTERY ACCESSORY KITS FOR AUTO RADIO RECEIVERS CONTAINING BATTERY LEAD WIRE, FUSES, AND THE LIKE; INTERFERENCE ELIMINATORS FOR RADIO APPARATUS; NOISE ELIMINATORS FOR RADIO APPARATUS; AND DIALS FOR RADIO RECEIVERS.
Claims use since Jan. 1, 1932.

Ser. No. 528,549. WARNER ELECTRIC BRAKE MANUFACTURING COMPANY, South Beloit, Ill. Filed July 12, 1947.

WARNER "DREADNAUGHT"

FOR ELECTRIC CABLES, CONNECTORS, PLUGS, AND SOCKETS.
Claims use since Apr. 9, 1931.

Ser. No. 536,236. A. B. CHANCE COMPANY, Centralia, Mo. Filed Sept. 30, 1947.

The word "Industries" is disclaimed apart from the mark as shown.
FOR ELECTRICAL APPARATUS—NAMELY, LINE TAP CLAMPS (SCREW TYPE AND SNAP TYPE), TAP CONNECTIONS, GROUNDING SETS COMPRISING MOUNTED CLUSTERS OF TAP CLAMPS AND SUPPORTS THEREFOR, BUS BAR CLAMPS, ANGULAR GROUNDING CLAMPS, SWITCH BLADE GROUNDING CLAMPS, TERMINAL BLOCKS, GROUNDING TERMINALS, TERMINAL LUGS, INSULATED JUMPER CLAMPS, FLEXIBLE GROUNDING CABLE AND CABLE SPLICES, FUSED TAP-OFF CLAMPS, AND DROP-OUT FUSED CUT-OUTS.
Claims use since Aug. 1, 1936.

Ser. No. 536,364. THE FAIR, Chicago, Ill. Filed Oct. 1, 1947.

LaFrance

FOR RADIO RECEIVING SETS.
Claims use since June 1, 1937.

Ser. No. 542,329. THE MARTIN-SENOUR COMPANY, Chicago, Ill. Filed Nov. 25, 1947.

The mark comprises a series of small color chart disks enclosed in a circular outline, each of the disks representing a different color. The vertical lining of the disks shown on the drawing represents one hundred and twenty-seven different colors.
FOR CUSTOM MIXED PAINTS AND PAINT ENAMELS.
Claims use since Mar. 7, 1947.

CLASS 20

CONSTRUCTION MATERIALS, NOT METAL

Ser. No. 539,597. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

Minnesota

Applicant claims ownership of registration No. 90,456.
FOR READY MIXED PAINTS, FOR GENERAL PURPOSES, AND WOOD STAINS.
Claims use since 1888.

Ser. No. 539,599. MINNESOTA LINSEED OIL PAINT COMPANY, Minneapolis, Minn. Filed July 5, 1947. Under section 2f of the act of 1946.

HAVILAND

Applicant claims ownership of registration No. 205,062.
FOR PAINT AND PAINT ENAMEL IN LIQUID FORM.
Claims use since Mar. 1, 1915.

Ser. No. 539,891. M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Nov. 1, 1947.

MERPACO

FOR LIQUID ROOF PAINTS.
Claims use since 1937.

Ser. No. 540,045. DE BOOM PAINT CO., San Francisco, Calif. Filed Nov. 4, 1947.

DEB-O-LIN

FOR PAINTS SOLD IN PASTE AND LIQUID FORM, VARNISHES, PAINT AND BAKING ENAMELS, UNDERCOATERS, SEALERS, PAINT STAINS SOLD IN LIQUID FORM, AND LIQUID PAINT REMOVERS.
Claims use since May 21, 1946.

Ser. No. 540,049. DE BOOM PAINT CO., San Francisco, Calif. Filed Nov. 4, 1947.

DEB-O-TEX

FOR AUTOMOTIVE SYNTHETIC PAINT AND BAKING ENAMELS, UNDERCOATERS, REDUCERS, PRIMERS, AND SEALERS.
Claims use since Jan. 19, 1947.

Ser. No. 540,676. INTERNATIONAL PAINT COMPANY, INC., New York, N. Y. Filed Nov. 10, 1947. Under section 2f of the act of 1946.

SINGAPORE

FOR ANTIFOULING BOTTOM PAINT FOR WATERBORNE CRAFT.
Claims use since Apr. 15, 1940.

Ser. No. 542,330. THE MARTIN-SENOUR COMPANY, Chicago, Ill. Filed Nov. 25, 1947.

The mark comprises a series of small color chart disks enclosed in a circular outline, each of the disks representing a different color. The vertical lining of the disks shown on the drawing represents one hundred and twenty-seven different colors.
FOR CUSTOM MIXED PAINTS AND PAINT ENAMELS.
Claims use since Mar. 7, 1947.

Ser. No. 536,450. ROYAL BATTERY CORPORATION, Paterson, N. J. Filed Oct. 1, 1947.

Royal

Applicant claims ownership of registration No. 153,278.
FOR STORAGE BATTERIES AND DRY CELL BATTERIES.
Claims use since Jan. 1, 1921.

Ser. No. 536,457. STANDARD TRANSFORMER CORPORATION, Chicago, Ill. Filed Oct. 1, 1947.

The lining shown is for shading purposes only.
FOR FIXED AND VARIABLE TRANSFORMERS—NAMELY, MINIATURE TRANSFORMERS; REACTORS—NAMELY, AUDIO AND POWER REACTORS FOR RADIO; POWER PACKS OF THE DRY METALLIC VACUUM OR GASEOUS TUBE TYPE; TRANSMITTERS—NAMELY, RADIO FREQUENCY LOW POWER TRANSMITTERS FOR AMATEUR AND INDUSTRIAL USES; AMPLIFIERS, AMPLIFIER KITS, VOLTAGE ADJUSTING AND REGULATING EQUIPMENT—NAMELY, MANUALLY OPERATED AUTO TRANSFORMERS AND VOLTAGE ADJUSTERS AND ELECTRONIC CONTROL EQUIPMENT—NAMELY, AUTO TRANSFORMERS FOR USE WITH MANUALLY OPERATED SWITCHES FOR ADJUSTMENT OF AMPERAGE COUPLED WITH VOLTAGE REGULATORS AND INDICATORS.
Claims use since Sept. 1, 1930.

Ser. No. 536,628. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio. Filed Oct. 3, 1947.

Nicopress

Applicant claims ownership of registrations Nos. 378,901 and 378,905.
FOR CONNECTING AND TERMINATING SLEEVES FOR WIRES AND CABLES IN COMMUNICATION, LIGHT, AND POWER FIELDS, THE TERM WIRES AND CABLES INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, AND ROPE WIRES.
Claims use since June 1937.

Ser. No. 536,629. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio. Filed Oct. 3, 1947.

NICOPRESS

Applicant claims ownership of registrations Nos. 378,901 and 378,905.
FOR CONNECTING AND TERMINATING SLEEVES FOR WIRES AND CABLES IN COMMUNICATION, LIGHT, AND POWER FIELDS, THE TERM WIRES AND CABLES INCLUDING SINGLE OR MULTIPLE STRANDED WIRES, CABLE WIRES, AND ROPE WIRES.
Claims use since June 1937.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 499,823. JAMES E. CLARK, St. Petersburg, Fla. Filed Sept. 18, 1947; originally filed, act of 1905, Apr. 8, 1946. Under section 2f of the act of 1946.

SPOON SQUID

The word "SPOON" is disclaimed apart from the mark as shown.
FOR ARTIFICIAL FISH LURES.
Claims use since Aug. 1, 1935.

Ser. No. 536,649. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

STEEL KING

No claim is made to the word "Steel" for badminton rackets apart from the mark as shown.
FOR BADMINTON RACKETS.
Claims use since November 1938.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 476,905. THE GARRETT CORPORATION, doing business as AiResearch Manufacturing Co., Los Angeles, Calif. Filed July 5, 1947; originally filed, act of 1905, Nov. 27, 1944.

The lining forming part of the mark is for shading purposes only.
FOR RADIATOR TYPE OIL COOLANT-REGULATORS USED AS ACCESSORIES TO AIRCRAFT AND AUTOMOTIVE ENGINES FOR REGULATING THE TEMPERATURE AND INSURING THE FLOW OF LUBRICATING OIL THEREIN; RADIATOR TYPE, HEAT EXCHANGE UNITS FOR USE IN SUPERCHARGED AIR LINES FOR REGULATING THE TEMPERATURE OF SUCH AIR PREPARATORY TO ITS USE IN CARBURETORS OF ENGINES FOR AIRCRAFT AND AUTOMOTIVE VEHICLES; MULTIPLE COWL FLAP POSITIONING SYSTEMS; LINEAR JACKS; FLEXIBLE SHAFTS; AND AIR VALVES (FLOW SELECTOR, FLOW CONTROL AND DUMP).
Claims use since October 1944.

Ser. No. 535,972. R. G. LETOURNEAU, INC., Stockton, Calif., and Peoria, Ill. Filed Sept. 27, 1947. Under section 2f of the act of 1946.

LETOURNEAU

FOR EARTH WORKING, CONSTRUCTION, AND INDUSTRIAL EQUIPMENT—NAMELY, SCRAPERS, SHEEP'S FOOT ROLLERS, PUSH GRADERS, BULLDOZING MACHINES, PUSH DOZERS, PORTABLE CRANES, POWER CONTROL UNITS (WINCHES), SUBSURFACE RIPPERS, MOBILE HOUSE FORMS, AND TRACTORS, AND COMBINING TRACTOR AND IMPLEMENT UNITS—NAMELY, SELF-PROPELLED SCRAPERS, AND SELF-PROPELLED PORTABLE CRANES.
Claims use since Jan. 1, 1929.

Ser. No. 538,707. AUTOMOTIVE UTILITIES, INC., Chicago, Ill. Filed Oct. 23, 1947.

AUTCO

FOR CARBURETORS.
Claims use since Oct. 13, 1947.

Ser. No. 539,211. RECTOR TRADING CORPORATION, New York, N. Y. Filed Oct. 27, 1947.

FOR SHOVELS AND AXES.
Claims use since Sept. 22, 1947.

Ser. No. 542,433. BLACKHAWK MFG. CO., Milwaukee, Wis. Filed Nov. 26, 1947.

NUGGIES

Applicant claims ownership of registration No. 416,406.
FOR WRENCHES AND TWISTING TOOL SETS FOR NUT, STUD, AND BOLT DRIVING.
Claims use since Dec. 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 532,449. THE H. M. H. Co., Pawtucket, R. I. Filed Aug. 26, 1947.

Lifetime

FOR ROSARIES.
Claims use since Oct. 14, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 493,634. WABASH MANUFACTURING COMPANY, Chicago, Ill., a corporation of Illinois, assignor to Wabash Manufacturing Company. Filed Mar. 1, 1948; originally filed, act of 1905, Dec. 20, 1945.

PORONZE

FOR POWDERED BRONZE FILTERS FOR FILTERING FLUIDS.
Claims use since Nov. 1, 1945.

Ser. No. 513,283. THE WARREN COMPANY, INC., Atlanta, Ga. Filed Sept. 3, 1947; originally filed, act of 1905, Nov. 26, 1946. Under section 2f of the act of 1946.

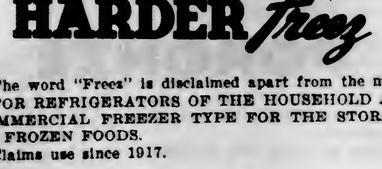
WARREN QUALITY

No exclusive claim is made to the word "Quality" apart from the mark.

FOR COMMERCIAL REFRIGERATORS — NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS.

Claims use since July 1, 1922.

Ser. No. 513,483. THE WARREN COMPANY, INC., Atlanta, Ga. Filed Sept. 3, 1947; originally filed, act of 1905, Nov. 29, 1946. Under section 2f of the act of 1946.



No exclusive claim is made to the word "Quality" apart from the mark.

FOR COMMERCIAL REFRIGERATORS — NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS.

Claims use since July 1, 1922.

Ser. No. 513,780. THE WARREN COMPANY, INC., Atlanta, Ga. Filed Sept. 3, 1947; originally filed, act of 1905, Dec. 5, 1946. Under section 2f of the act of 1946.

FOR COMMERCIAL REFRIGERATORS — NAMELY, DISPLAY AND STORAGE CASES, REFRIGERATED SERVICE BARS, REACH-IN REFRIGERATORS, DAIRY REFRIGERATORS, FROZEN FOOD REFRIGERATORS, AND FLORAL REFRIGERATORS.

Claims use since July 1, 1922.

Ser. No. 539,241. TYLER FIXTURE CORPORATION, Niles, Mich. Filed Oct. 27, 1947. Under section 2f of the act of 1946.

HARDER *Freez*

The word "Freez" is disclaimed apart from the mark.

FOR REFRIGERATORS OF THE HOUSEHOLD AND COMMERCIAL FREEZER TYPE FOR THE STORAGE OF FROZEN FOODS.

Claims use since 1917.

Ser. No. 542,650. PICK MANUFACTURING COMPANY, West Bend, Wis. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

Pick

Applicant claims ownership of registration No. 412,075.

FOR REPLACEABLE CARTRIDGE TYPE OIL FILTERS FOR AUTOMOBILES AND THE LIKE.

Claims use since April 1936.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 566,962. THE CLEVELAND WELDING COMPANY, Cleveland, Ohio. Filed Oct. 14, 1948.

RESTMASTER

FOR CHAIRS FOR USE AS INDOOR AND OUTDOOR FURNITURE, INCLUDING METAL FRAME CHAIRS.

Claims use since October 1938.

CLASS 33

GLASSWARE

Ser. No. 535,896. THATCHER GLASS MANUFACTURING COMPANY, INC., Elmira, N. Y. Filed Sept. 26, 1947.

UNIVERSAL

Applicant claims ownership of registration No. 161,846.

FOR GLASS MILK BOTTLES.

Claims use since Apr. 1, 1921.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 530,343. THE SIGHT FEED GENERATOR COMPANY, West Alexandria, Ohio. Filed Aug. 2, 1947. Under section 2f of the act of 1946.

Sight Feed

FOR ACETYLENE GAS GENERATORS, OXYGEN GAS GENERATORS, GAS WELDING FLUX CHARGERS, GAS FLOOD LIGHTS, AND GAS WELDING UNITS.

Claims use since July 1924.

Ser. No. 549,402. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

MERION

Applicant claims ownership of registration No. 216,544.

FOR GAS WATER HEATERS, AND COMBINATION BOILERS.

Claims use since Oct. 2, 1924.

CLASS 37

PAPER AND STATIONERY

Ser. No. 519,459. BROWN & BIGELOW, St. Paul, Minn. Filed July 5, 1947; originally filed, act of 1905, Mar. 24, 1947.

Redtip

Applicant claims ownership of registration No. 144,356 (renewed).

FOR MECHANICAL PENCILS.

Claims use since Jan. 15, 1947.

Ser. No. 531,450. DETROIT SULPHITE PULP AND PAPER COMPANY, Detroit, Mich. Filed Aug. 15, 1947.

VARIBRITE

Applicant claims ownership of registration No. 259,386.

FOR BRISTOL BOARD, TISSUE, AND WRAPPING PAPERS.

Claims use since Mar. 8, 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 530,452. ARTYPE, INCORPORATED, Chicago, Ill. Filed Aug. 5, 1947.

ARTYPE

Applicant claims ownership of registration No. 423,122.

FOR LETTERS, SYMBOLS, MARKS, INSIGNIA, AND SIMILAR MATTER CAPABLE OF CONVEYING INTELLIGENCE, APPLIED BY VARIOUS REPRODUCING PROCESSES TO TRANSPARENT SELF-ADHERING SHEETS ADAPTED TO BE CUT UP FOR APPLICATION OF DESIRED PORTIONS OF SAID MATTER TO VARIOUS ADVERTISING, DISPLAY, AND DESIGNATORY MEDIA, AND SOLD AS SUCH.

Claims use since Oct. 15, 1944.

Ser. No. 533,165. THE INDUSTRIAL PUBLISHING COMPANY, Cleveland, Ohio. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

Industry "WELDING"

Applicant claims ownership of registration No. 347,228.

FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO THE FIELD OF WELDING IN INDUSTRY.

Claims use since March 1931.

Ser. No. 538,195. OCCUPATIONAL HAZARDS, INC., Cleveland, Ohio. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

Occupational HAZARDS

Applicant claims ownership of registration No. 371,130.

FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO THE FIELD OF INDUSTRIAL HEALTH AND ACCIDENT PROBLEMS.

Claims use since October 1939.

Ser. No. 539,758. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa. Filed Oct. 31, 1947.

Try This

The drawing is lined for the color red.

FOR NEWSPAPER AND MAGAZINE FEATURE OR COLUMN PUBLISHED PERIODICALLY.

Claims use since Sept. 7, 1947.

Ser. No. 545,471. GARDNER PUBLICATIONS, INC., Cincinnati, Ohio. Filed Dec. 26, 1947. Under section 2f of the act of 1946.

MODERN Machine Shop

Applicant claims ownership of registration No. 264,442.

FOR TECHNICAL MAGAZINE.

Claims use since June 1, 1928.

Ser. No. 555,130. WHALEY-EATON CORPORATION, Washington, D. C. Filed Apr. 20, 1948.

AMERICAN LETTER

No claim is made to the word "Letter" except in combination with the mark as shown.

FOR PUBLICATION ISSUED WEEKLY.

Claims use since May 2, 1925.

CLASS 39

CLOTHING

Ser. No. 476,169. NORMA HAT MOENCH, Chicago, Ill. Filed Sept. 22, 1947; originally filed, act of 1905, Nov. 6, 1944. Under section 2f of the act of 1946.

Normaline

FOR FOUNDATION GARMENTS.
Claims use since Apr. 21, 1941.

Ser. No. 530,335. REIDER SHOE MFG. CO., INC., Schuylkill Haven, Pa. Filed Aug. 2, 1947. Under section 2f of the act of 1946.

Big Little Sister

Applicant claims ownership of registration No. 405,238.
FOR SHOES HAVING LEATHER UPPERS AND BOTH LEATHER AND RUBBER SOLES AND HEELS.
Claims use since October 1942.

Ser. No. 535,258. PINEHURST CASUALS, New York, N. Y. Filed Sept. 22, 1947.

Pinehurst

FOR WOMEN'S AND MISSES' DRESSES, SUITS, SKIRTS, COATS, AND JACKETS.
Claims use since Dec. 24, 1943.

Ser. No. 539,931. BELMONT HOSIERY MILLS, Belmont, N. C. Filed Nov. 3, 1947.

TAV

FOR LADIES' AND CHILDREN'S ANKLETS.
Claims use since Oct. 4, 1947.

Ser. No. 541,326. NEW YORK GIRL COAT CO., INC., New York, N. Y. Filed Nov. 15, 1947. Under section 2f of the act of 1946.

York Mode

"Mode" is disclaimed apart from the mark. Applicant claims ownership of registration No. 350,611.
FOR GIRLS' AND MISSES' SUITS AND COATS.
Claims use since February 1936.

Ser. No. 557,614. B. W. MAYER, LTD., New York, N. Y. Filed May 22, 1948. Under section 2f of the act of 1946.

Tavistock

FOR NECKTIES, SCARFS, CRAVATS, AND HOSIERY.
Claims use since 1932.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 553,763. F. W. WOOLWORTH CO., New York, N. Y. Filed Apr. 2, 1948.

WOOLCO

FOR SNAP FASTENERS.
Claims use since June 1, 1920.

Ser. No. 560,056. CHARLES P. SCHAEFFER, doing business as Schaeffer & Company, Reading, Pa. Filed June 23, 1948. Under section 2f of the act of 1946.

SCHAEFFER

Applicant claims ownership of registration No. 133,809.
FOR SHOE LACES.
Claims use since January 1918.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 545,271. THE MAGEE CARPET COMPANY, Bloomsburg, Pa. Filed Dec. 23, 1947.

KINGDOM

FOR TEXTILE CARPETS AND RUGS.
Claims use since Jan. 6, 1947.

Ser. No. 547,643. MANX TWEED (MANUFACTURING) COMPANY LIMITED, Laxey, Isle of Man, British Isles. Filed Jan. 21, 1948.

MONASISLE

FOR PIECE GOODS OF WOOL, WORSTED, COTTON, RAYON, NYLON, OR MIXTURES OF THESE MATERIALS.
Claims use since Oct. 1, 1947.

Ser. No. 548,801. CONTINENTAL MILLS, INC., Philadelphia, Pa. Filed Feb. 5, 1948.

Coba SWAY-TEX

Applicant claims ownership of registrations Nos. 330,883 and 365,058.
FOR KNITTED AND WOVEN CLOTHS MADE OF WOOL, MOHAIR, ALPACA, RABBIT, SILK, COTTON, SYNTHETIC FIBERS, OR ANY COMBINATION THEREOF, SOLD IN THE PIECE.
Claims use since Dec. 17, 1947.

Ser. No. 554,365. COAST MANUFACTURING & SUPPLY COMPANY, Livermore, Calif. Filed Apr. 12, 1948.

The word "Fabrics" is disclaimed apart from the mark as shown.
FOR WOVEN AND KNITTED FABRICS AND CLOTH MADE FROM ANY KIND OF YARN, INCLUDING COTTON, SILK, RAYON, FLAX, ASBESTOS, GLASS, JUTE, NYLON, COVERING BOTH NATURAL AND SYNTHETIC FIBERS.
Claims use since Feb. 27, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 513,299. THE DAVIDSON RUBBER COMPANY, Boston, Mass. Filed Aug. 31, 1948; originally filed, act of 1905, Nov. 27, 1946. Under section 2f of the act of 1946.

Applicant claims ownership of registration No. 54,808.
FOR NURSING BOTTLE NIPPLES.
Claims use since Apr. 1, 1905.

Ser. No. 553,986. ROYCEMORE TOILETRIES, INC., Chicago, Ill. Filed Apr. 6, 1948.

Shy

FOR COMBINED DOUCHE AND ENEMA APPLICATOR.
Claims use since Aug. 10, 1940.

Ser. No. 554,425. THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Apr. 12, 1948.

SET BACK

FOR PADS AND PLASTERS FOR CORNS, BUNIONS, AND CALLI.
Claims use since Jan. 3, 1948.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 519,229. STANDARD CANDY COMPANY, Nashville, Tenn. Filed Sept. 3, 1947; originally filed, act of 1905, Mar. 18, 1947.

Queen's Taste

No exclusive claim is made to the word "Taste" apart from the mark.
FOR CANDIES.
Claims use since Feb. 20, 1918.

Ser. No. 520,904. SCHULTZ, BAUJAN & CO., Beardstown, Ill. Filed Feb. 25, 1948; originally filed, act of 1905, Apr. 17, 1947.

GRITTS

Applicant claims ownership of registration No. 279,956.
FOR WHEAT FLOUR AND CORN MEAL.
Claims use since January 1890.

Ser. No. 525,326. E. A. HOFFMAN CANDY CO. INC., Los Angeles, Calif. Filed Mar. 3, 1948; originally filed, act of 1905, July 1, 1947.

CHERRY-A-LET

No exclusive claim is made to the word "Cherry," apart from the mark.
FOR CANDY.
Claims use since Dec. 15, 1919.

Ser. No. 527,722. VITAMINERALS, INC., Los Angeles, Calif. Filed July 5, 1947.

Applicant claims ownership of registration No. 357,104.
FOR NUTRITIONAL SUPPLEMENT COMPOSED OF DEFATTED, DEHYDRATED WHEAT EMBRYO, MALT AND DEXTROSE, AND A BROTH POWDER MADE OF VEGETABLE CONCENTRATES AND OTHER INGREDIENTS.
Claims use since Aug. 1, 1933.

Ser. No. 528,713. FRIGIE CORPORATION OF AMERICA, doing business as Frigie Corp., Chicago, Ill. Filed July 16, 1947.

CHIPPY JOE

FOR ICE CREAM BARS.
Claims use since Mar. 21, 1947.

Ser. No. 530,767. REPUBLIC FOOD PRODUCTS CO., doing business as Emmart Food Products Co., Chicago, Ill. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

EMMART'S QUALITY

The word "Quality" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 322,250.
FOR CANNED FOODS, I. E., COOKED CORN BEEF, PICKLED LAMB'S TONGUE, BONELESS PICKLED PIGS' FEET CUTLETS, SLICED DRIED BEEF, CHILI CON CARNE, BREAKFAST SAUSAGE, VIENNA SAUSAGE, VEAL LOAF, AND LUNCH TONGUE, CORNED BEEF HASH, SANDWICH SPREAD, TRIPE.
Claims use since July 1926.

Ser. No. 532,338. PETERSON-BIDDICK COMPANY, Wadena, Minn. Filed Aug. 25, 1947.

P.B.

FOR EGG MASH CONCENTRATE, BABY TURKEY STARTER MASH, TURKEY GROWING MASH, TURKEY BREEDER MASH, EGG LAYING MASH, CHICKEN HEN BREEDER MASH, CHICK STARTER AND GROWER, DAIRY FEED, GROWING FEED, DRESSED POULTRY, AND EGGS.
Claims use since Jan. 1, 1932.

Ser. No. 532,706. E. F. KEMP, INC., Somerville, Mass. Filed Aug. 28, 1947.

KEMPAC

FOR SALTED NUTS.
Claims use since June 6, 1947.

Ser. No. 532,718. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.

The lining is for purposes of shading. No claim is made to the representation of the goods apart from the mark.
FOR WHEAT FLOUR.
Claims use since October 1930.

Ser. No. 532,722. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill., a corporation of Illinois. Filed Aug. 28, 1947.

The representation of a sack of flour is disclaimed apart from the mark.
FOR WHEAT FLOUR.
Claims use since Sept. 14, 1921.

Ser. No. 534,916. OLD VIRGINIA PACKING CO., INC., Front Royal, Va. Filed Sept. 18, 1947. Under section 2f of the act of 1946.

VIRGINIA ROYAL

Applicant claims ownership of registrations Nos. 426,232, 429,959, and 234,179.
FOR MINCE MEAT.
Claims use since September 1936.

Ser. No. 535,728. MAWER-GULDEN-ANNIS, INC., New York, N. Y. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

NEOPOLITAN

Applicant claims ownership of registration No. 270,888.
FOR PRESERVED CHERRIES.
Claims use since Oct. 1, 1927.

Ser. No. 537,339. MORTON SALT COMPANY, Chicago, Ill. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

MORTON'S

FOR SALT AND MEAT AND POULTRY SEASONING, THE SEASONING CONSISTING OF SALT AND SPICES.
Claims use since June 15, 1912, on salt; and since Mar. 1, 1933, on meat and poultry seasoning, the seasoning consisting of salt and spices.

Ser. No. 537,340. MORTON SALT COMPANY, Chicago, Ill. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

MORTON

FOR SALT.
Claims use since June 15, 1935.

Ser. No. 538,644. BERNARD A. LIVIERATO, doing business as Livierato Brothers, New York, N. Y. Filed Oct. 22, 1947.

L A

Applicant claims ownership of registration No. 207,221.
FOR GREEN COFFEE.
Claims use since Jan. 1, 1925.

Ser. No. 539,329. MARKET BASKET CORPORATION, Geneva, N. Y. Filed Oct. 28, 1947.

CREAM OF THE HARVEST

FOR CANNED VEGETABLES, CANNED FRUITS, PEANUT BUTTER, EVAPORATED MILK, MAYONNAISE AND PANCAKE FLOUR, MUSTARD, RELISH SANDWICH SPREAD.
Claims use since July 1, 1916.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 540,781. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Filed Nov. 12, 1947. Under section 2f of the act of 1946.

KEY LARGO

FOR DISTILLED POTABLE ALCOHOLIC BEVERAGE—NAMELY, WHISKEY.
Claims use since May 3, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 531,493. MACKIE-LOVEJOY MFG. CO., Chicago, Ill. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

Setwell

Applicant claims ownership of registration No. 376,760.
FOR GARMENT HANGERS.
Claims use since 1902.

CLASS 55

SERVICES

Ser. No. 527,392. PACIFIC MAIL STEAMSHIP COMPANY, San Francisco, Calif. Filed July 5, 1947. SERVICE MARK. Under section 2f of the act of 1946.

The drawing is lined to indicate the colors red and blue. The words "Steamship Co." are disclaimed apart from the mark.
FOR WATER TRANSPORTATION OF CARGO AND PASSENGERS.
Claims use since 1849.

Ser. No. 528,758. BORNOT, INC., Philadelphia, Pa. Filed July 17, 1947. SERVICE MARK. Under section 2f of the act of 1946.

Barrett-Nephews

Applicant disclaims the word "Cleaners" as part of said service mark.
FOR CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS.
Claims use since Jan. 1, 1942.

Ser. No. 528,759. BORNOT, INC., Philadelphia, Pa. Filed July 17, 1947. SERVICE MARK.

Orange Cleaners

Applicant disclaims the word "Cleaners" as part of said mark.
FOR CLEANING, DYEING, PRESSING, AND STORING GARMENTS AND HOUSEHOLD GOODS.
Claims use since Jan. 1, 1942.

Ser. No. 531,702. NORFOLK AND WESTERN RAILWAY COMPANY, Roanoke, Va. Filed Aug. 18, 1947. SERVICE MARK. Under section 2f of the act of 1946.

PRECISION TRANSPORTATION

No claim is made to the word "Transportation" apart from the mark as shown.
FOR RAILROAD TRANSPORTATION OF PASSENGERS AND FREIGHT.
Claims use since April 1932.

Ser. No. 538,327. WELCOME WAGON SERVICE COMPANY, INC., Memphis, Tenn., and New York, N. Y. Filed Oct. 18, 1947. SERVICE MARK.

WELCOME WAGON
Service

The word "Service" is disclaimed apart from the mark as shown.
FOR ADVERTISING SERVICE EMPLOYING PERSONAL VISITS TO SPECIAL GROUPS OF PROSPECTIVE PURCHASERS BY A REPRESENTATIVE OF THE SERVICE ORGANIZATION AND THE PRESENTATION OF SAMPLE GIFTS FROM THE SALES ORGANIZATIONS USING THE SERVICE.
Claims use since July 1928.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,896. ROOM COOLERS OF THE CABINET TYPE FOR WINDOW INSTALLATION, SAID COOLERS EMBODYING AN ELECTRICALLY OPERATED REFRIGERATING MECHANISM. OUTBOARD, MARINE & MANUFACTURING COMPANY, Galesburg, Ill., assignor, by mesne assignments, to Mountainaire Company, a corporation of Massachusetts.
Filed July 19, 1941, Serial No. 445,505. Published Sept. 14, 1948. Class 34.

441,897. COMBINATION BATTERY CHARGING AND TESTING APPARATUS. THE MERCURY BATTERY CHARGER CO., Kansas City, Mo.
Filed Dec. 11, 1944, Serial No. 477,428. Published Sept. 28, 1948. Class 21.

441,898. FLOAT VALVES. FRANCISCO DIAZ POSADA, Buenos Aires, Argentina.
Filed Jan. 3, 1945, Serial No. 478,188. Published Sept. 28, 1948. Class 13.

441,899. COFFEE. OPPENHEIM & MCEWAN CO., INC., Albany, N. Y.
Filed May 23, 1945, Serial No. 483,693. Published Sept. 16, 1947. Class 46.

441,900. CHEESE AND CHEESE SPREAD. BLUE MOON FOODS, INC., Thorp, Wis., assignor to Blue Moon Foods, Inc., Dover, Del., a corporation of Delaware.
Filed June 18, 1945, Serial No. 484,660. Published Oct. 5, 1948. Class 46.

441,901. GREETING CARDS. METROPOLITAN LITHOGRAPH & PUBLISHING CO., Everett, Mass.
Filed Aug. 13, 1945, Serial No. 487,091. Published Dec. 3, 1946. Class 38.

441,902. VITAMIN B COMPLEX COMPOUND IN TABLET FORM. BROEMMEL'S PHARMACEUTICALS, San Francisco, Calif.
Filed Sept. 5, 1945, Serial No. 487,989. Published Oct. 12, 1948. Class 6.

441,903. REPLACEMENT ELECTRICAL ELEMENTS. THE HARTFORD ELEMENT COMPANY, Hartford, Conn.
Filed Feb. 11, 1946, Serial No. 496,380. Published Sept. 28, 1948. Class 21.

441,904. METALLIC WASHERS. AEROQUIP CORPORATION, Jackson, Mich., assignor to Standard Locknut & Lockwasher, Inc., Indianapolis, Ind., a corporation of Indiana.
Filed Mar. 1, 1946, Serial No. 497,436. Published Oct. 5, 1948. Class 13.

441,905. MANICURE KITS, CONSISTING OF NAIL POLISH, POLISH REMOVER, CUTICLE OIL, EMERY BOARDS, FINGERNAIL SCISSORS. JOHN EMERSON, doing business as Emerson First Air Supply Co., New York, N. Y.
Filed Mar. 2, 1946, Serial No. 497,533. Published Aug. 17, 1948. Class 50.

441,906. FLAVORING EXTRACTS USED IN FOODS AND FOR FOOD PURPOSES. FLORASYNTH LABORATORIES, INCORPORATED, New York, N. Y.
Filed Apr. 17, 1946, Serial No. 500,383. Published Apr. 15, 1947. Class 46.

441,907. YEAST HYDROLYSATE OR YEAST PROTEIN DIGEST. ANHEUSER-BUSCH, INC., St Louis, Mo.
Filed Apr. 27, 1946, Serial No. 501,038. Published Jan. 28, 1947. Class 46.

441,908. PREPARATION IN THE FORM OF A POWDER FOR USE AS A STABILIZER AND BALANCING AGENT IN ICE CREAM AND OTHER CONFECTIONS. FROZEN DRUMSTICK SALES COMPANY, Fort Worth, Tex.
Filed May 31, 1946, Serial No. 503,070. Published Sept. 28, 1948. Class 46.

441,909. BULLETIN BOARDS. WILLIAM B. WARD, doing business as William B. Ward Co., Kansas City, Mo.
Filed July 5, 1946, Serial No. 505,139. Published Oct. 12, 1948. Class 50.

441,910. KRAFT WRAPPING PAPER, BOTH PLAIN AND TREATED TO MAKE IT WATER-RESISTANT FOR MEAT WRAPPING. SOUTHERN ADVANCE BAG & PAPER CO. INC., Bangor, Maine, and Boston, Mass.
Filed July 8, 1946, Serial No. 505,259. Published Oct. 5, 1948. Class 37.

441,911. PERFUME AND COLOGNE. R. LOWENBAUM MANUFACTURING CO., St. Louis, Mo.
Filed July 27, 1946, Serial No. 506,382. Published Oct. 5, 1948. Class 6.

441,912. PERFUME, ROUGE, AND DENTIFRICE. CLARA HIRSCH, doing business as Rocca, Paris, France.
Filed July 30, 1946, Serial No. 506,529. Published Oct. 5, 1948. Class 6.

441,913. CHAMPAGNE WINES. G. H. MUMM & CO. SOCIÉTÉ VINICOLE DE CHAMPAGNE SUCCESSEURS, Paris and Reims, France.
Filed Aug. 5, 1946, Serial No. 506,887. Published Sept. 21, 1948. Class 47.

441,914. VALVES FOR SUPPLYING AND DRAINING A WATER SYSTEM IN ONE UNIT. JOHN L. MOORE AND HARRY C. MOORE, Wichita Falls, Tex.
Filed Sept. 4, 1946, Serial No. 508,490. Published Oct. 19, 1948. Class 13.

441,915. FRESH VEGETABLES. S. M. JONES, doing business as S. M. Jones & Company, New Bern, N. C.
Filed Oct. 4, 1946, Serial No. 510,256. Published Nov. 4, 1947. Class 46.

441,916. TRANSMITTERS AND RECORDERS FOR TRANSMITTING AND RECORDING FACSIMILE SIGNALS BY ELECTRIC CURRENTS ON OR IN AN APPROPRIATE RECORD MEDIUM, PARTS THEREOF AND SUPPLIES INCLUDING RECORD SHEETS, TREATED PAPER, TREATED STENCIL FORMING MATERIAL, AND STYLI. FINCH TELECOMMUNICATIONS, INC., Passaic, N. J.
Filed Oct. 29, 1946, Serial No. 511,677. Published Aug. 17, 1948. Class 21.

441,917. OUTDOOR ADVERTISING DISPLAY SIGNS MADE OF AN INTERMEDIATE CARDBOARD SHEET, ETC. ARVEY CORPORATION, Chicago, Ill.
Filed Nov. 1, 1946, Serial No. 511,855. Published Feb. 10, 1948. Class 38.

441,918. MIXED ALCOHOLIC BEVERAGE CONTAINING HOCK WINE AND ONE OR MORE POTABLE DISTILLED ALCOHOLIC LIQUORS. IRMGARD MARGHERITA WALBURGA WARREN, Northwood, England.
Filed Nov. 12, 1946, Serial No. 512,420. Published Sept. 21, 1948. Class 49.

441,919. LAWN SPRINKLERS. BAL-DART INCORPORATED, Detroit, Mich.
Filed Nov. 13, 1946, Serial No. 512,482. Published Oct. 5, 1948. Class 13.

441,920. CHRISTMAS TREE ORNAMENTS MADE OF PLASTIC MATERIALS. VINCENT P. O'BRIEN, Belle Harbor, New York, N. Y., assignor to Anne E. O'Brien, New York, N. Y.
Filed Dec. 11, 1946, Serial No. 514,059. Published Sept. 14, 1948. Class 50.

441,921. WHEAT FLOUR. HOVIS LIMITED, London, England.
Filed Jan. 2, 1947, Serial No. 515,178. Published Oct. 5, 1948. Class 46.

441,922. NON-ALCOHOLIC, NON-CEREAL, MALTLESS CARBONATED BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. MIDWESTERN BEVERAGE LABORATORIES, INC., St. Louis, Mo.
Filed Feb. 14, 1947, Serial No. 517,503. Published Oct. 12, 1948. Class 45.

441,923. KITCHEN APPLIANCE IN THE FORM OF A COMBINATION PORTABLE DRAINBOARD, TRAY, AND COVER FORMED OF METAL FOR USE ON SINKS, COUNTERS, AND LIKE AREAS WHERE FOOD AND BEVERAGES ARE PREPARED OR SERVED. CINCINNATI IRON FENCE CO. INC., Cincinnati, Ohio.
Filed Feb. 17, 1947, Serial No. 517,617. Published Oct. 19, 1948. Class 13.

441,924. PRODUCT CONTAINING CORN SYRUP, SUGAR SYRUP, EGG ALBUMEN, GELATIN FOR MAKING A MOCK WHIPPED CREAM, AND ADAPTED FOR USE AS A FILLING, ICING, OR TOPPING FOR BAKERY PRODUCTS. THE CENTRAL OHIO SUPPLY CO., Columbus, Ohio.
Filed Feb. 24, 1947, Serial No. 517,971. Published Oct. 5, 1948. Class 46.

441,925. FORCED DRAFT FANS AND FANS USED IN VENTILATING SYSTEMS. L. J. WING MFG. CO., New York, N. Y.
Filed Feb. 27, 1947, Serial No. 518,333. Published Sept. 28, 1948. Class 34.

441,926. ELECTRICAL WATER HEATERS. THE DE LAVAL SEPARATOR COMPANY, New York, N. Y.
Filed Mar. 21, 1947, Serial No. 519,381. Published Sept. 28, 1948. Class 21.

441,927. MONTHLY PERIODICAL. PHILIP FRANK, New York, N. Y.
Filed Apr. 1, 1947, Serial No. 519,987. Published Mar. 23, 1948. Class 38.

441,928. KITCHEN UTENSILS—SPECIFICALLY, PASTRY BOARDS, NOODLE BOARDS, PADDLE BOARDS. POLLAK INDUSTRIES CORPORATION, Detroit, Mich.
Filed Apr. 10, 1947, Serial No. 520,467. Published Sept. 28, 1948. Class 50.

441,929. FLEXIBLE SHOWER SPRAYS AND SHOWER HEADS. FORREST B. STANNARD, Clinton, Conn.
Filed Apr. 12, 1947, Serial No. 520,572. Published Oct. 5, 1948. Class 13.

441,930. DRIED KIDNEY BEANS. MICHIGAN BEAN COMPANY, Saginaw, Mich.
Filed Apr. 19, 1947, Serial No. 521,023. Published Oct. 5, 1948. Class 46.

441,931. MACARONI. SOUTH ATLANTIC SALES COMPANY, INC., Baltimore, Md.
Filed Apr. 22, 1947, Serial No. 521,155. Published Oct. 5, 1948. Class 46.

441,932. CORK DISCS FOR USE IN CROWN CLOSURES AND CROWN CLOSURES MADE OF METAL OR PLASTIC FOR USE AS CONTAINER CAPS. MUNDET CORK CORPORATION, Brooklyn and New York, N. Y.
Filed Apr. 30, 1947, Serial No. 521,596. Published Sept. 14, 1948. Class 50.

441,933. FACE POWDER, ROUGE, AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed June 13, 1947, Serial No. 524,134. Published Oct. 19, 1948. Class 6.

441,934. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. WM. FRANS BEVERAGE CO., Philadelphia, Pa.
Filed June 23, 1947, Serial No. 524,670. Published Oct. 5, 1948. Class 45.

441,935. SILK SCREEN OUTFIT CONTAINING VARIOUS PAINTS, SILK SCREEN, PRINTING FRAME, PRINTING BASE, SQUEEGEE, STENCIL KNIFE, INSTRUCTOR HANDBOOK, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,742. Published Oct. 5, 1948. Class 50.

441,936. SEED POTATOES. THE WILCOX COMPANY, Moorhead, Minn.
Filed June 30, 1947, Serial No. 525,268. Published Oct. 19, 1948. Class 1.

441,937. WHISKEY. FROMM AND SICHEL, INC., New York, N. Y.
Filed July 2, 1947, Serial No. 525,583. Published Sept. 21, 1948. Class 49.

441,938. WHISKEY. FROMM AND SICHEL, INC., New York, N. Y.
Filed July 2, 1947, Serial No. 525,584. Published Sept. 21, 1948. Class 49.

441,939. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK AND SIRUP AND EXTRACT FOR MAKING THE SAME. SAMUEL LERNER, New York, N. Y.
Filed July 2, 1947, Serial No. 525,614. Published Sept. 28, 1948. Class 45.

441,940. SHADES FOR ELECTRIC LAMPS. SHERBAIR LAMP SHADE CO., Chicago, Ill.
Filed July 3, 1947, Serial No. 525,959. Published Sept. 28, 1948. Class 21.

ACT OF 1920

These registrations are not subject to opposition.

441,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BYRON JOHNSTON BOWLBY, doing business as Bowlby Candy Company, Appleton, Wis. Filed Mar. 6, 1946, Serial No. 497,697.

Bowlby's

BLISTERED

FOR SPECIALLY PROCESSED ROASTED AND SALTED VIRGINIA PEANUTS.
Claims use since July 1940.

ACT OF 1946, PRINCIPAL REGISTER

505,913. SHAMPOO. NOPCO CHEMICAL COMPANY, Harrison, N. J., by change of name from National Oil Products Company.
Filed Sept. 6, 1947; originally filed, act of 1905, Nov. 9, 1944, Serial No. 476,302. Published Oct. 12, 1948. Class 6.

505,914. PALLETS AND SKIDS. GENERAL BOX COMPANY, Chicago, Ill.
Filed Apr. 30, 1948; originally filed, act of 1905, Mar. 2, 1946, Serial No. 497,538. Published Oct. 19, 1948. Class 50.

505,915. METAL AND PLASTIC PERFORATE SHEET MATERIAL EMPLOYABLE AS INSECT SCREENING AND AS SUN SCREENING. HAROLD WARP, doing business as Warp Brothers, Chicago, Ill.
Filed Sept. 9, 1947; originally filed, act of 1905, Mar. 8, 1946, Serial No. 497,905. Published Oct. 5, 1948. Class 13.

505,916. MEAT TENDERIZING MACHINES. ALDRICH L. JACKSON, doing business as Federal Engineering Company, Minneapolis, Minn., assignor to The Federal Engineering Co., Inc., Minneapolis, Minn., a corporation of Minnesota.
Filed Apr. 14, 1948; originally filed, act of 1905, Apr. 15, 1946, Serial No. 500,221. Published Sept. 28, 1948. Class 23.

505,917. CONNECTING AND TERMINATING DEVICES OR SLEEVES FOR WIRES AND CABLES USED IN COMMUNICATION, LIGHT AND POWER FIELDS. THE NATIONAL TELEPHONE SUPPLY COMPANY, Cleveland, Ohio.
Filed Nov. 6, 1947; originally filed, act of 1905, July 13, 1946, Serial No. 505,611. Published Oct. 5, 1948. Class 21.

505,918. AUTOMOTIVE EQUIPMENT AND ACCESSORIES—NAMELY, BATTERIES. LAHER SPRING AND TIRE CORPORATION, Oakland, Calif.
Filed Nov. 4, 1947, originally filed, act of 1905, Aug. 12, 1946, Serial No. 507,263. Published Oct. 5, 1948. Class 21.

505,919. ORGANIC WETTING AGENTS FOR USE AS STABILIZERS AND PIGMENT DISPERSING AIDS IN THE COMPOUNDING OF NATURAL AND SYNTHETIC RUBBER LATICES. NOPCO CHEMICAL COMPANY, Harrison, N. J., now by change of name from National Oil Products Co.
Filed Jan. 29, 1948; originally filed, act of 1905, Aug. 18, 1946, Serial No. 507,333. Published Oct. 5, 1948. Class 6.

505,920. OIL-FIRED HEATING UNITS FOR DOMESTIC AND/OR COMMERCIAL USE. YORK-SHIPLEY, INC., York, Pa.
Filed Oct. 21, 1947; originally filed, act of 1905, Aug. 15, 1946, Serial No. 507,500. Published Oct. 12, 1948. Class 34.

505,921. ANTISEPTIC FOR USE AS A MOUTH WASH AND GARGLE TO OVERCOME BAD BREATH AND A DEODORANT FOR APPLICATION TO THE BODY TO RETARD PERSPIRATION AND STOP ODORS. BENJAMIN F. SACHAROW, New York, N. Y.
Filed Oct. 23, 1947; originally filed, act of 1905, Sept. 6, 1946, Serial No. 508,618. Published Aug. 31, 1948. Class 6.

505,922. PREPARATION FOR TREATMENT OF HYPOCHROMIC ANEMIA. RARE CHEMICALS, INC., Harrison, N. J.
Filed Jan. 29, 1948; originally filed, act of 1905, Sept. 23, 1946, Serial No. 509,599. Published Oct. 5, 1948. Class 6.

505,923. COMBINED TOOTHBRUSH AND RECEPTACLE THEREFOR, THE RECEPTACLE HAVING A COMPARTMENT FOR DENTIFRICE. GEM DIE & MOLD COMPANY, Chicago, Ill.
Filed Aug. 21, 1947; originally filed, act of 1905, Nov. 22, 1946, Serial No. 513,047. Published May 11, 1948. Class 50.

505,924. SOAPLESS SHAMPOO. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio.
Filed Nov. 28, 1947; originally filed, act of 1905, Nov. 27, 1946, Serial No. 513,286. Published Oct. 19, 1948. Class 6.

505,925. ELECTRIC FOOD ROASTERS AND COOKERS, ELECTRIC WATER HEATERS AND ELECTRICALLY HEATED FOOD SERVICE CONVEYORS. THE SWARTZBAUGH MANUFACTURING COMPANY, Toledo, Ohio.
Filed Sept. 22, 1947; originally filed, act of 1905, Dec. 18, 1946, Serial No. 514,510. Published Sept. 28, 1948. Class 21.

505,926. PIPE TOBACCO. F. R. TRIPLER & CO. INC., New York, N. Y.
Filed Sept. 17, 1947; originally filed, act of 1905, Jan. 11, 1947, Serial No. 515,640. Published Oct. 12, 1948. Class 17.

505,927. ELECTRIC EQUIPMENT AND PARTS THEREFOR—NAMELY, ELECTRICAL CABLE CONNECTORS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.
Filed Sept. 27, 1947; originally filed, act of 1905, Jan. 20, 1947, Serial No. 516,458. Published Oct. 5, 1948. Class 21.

505,928. ELECTRIC EQUIPMENT AND PARTS THEREFOR—NAMELY, ELECTRICAL CABLE CONNECTORS, ETC. JAMES H. CANNON, doing business as Cannon Electric Development Company, Los Angeles, Calif.
Filed Sept. 27, 1947; originally filed, act of 1905, Jan. 20, 1947, Serial No. 516,459. Published Oct. 5, 1948. Class 21.

505,929. CIGARETTES. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo.
Filed July 26, 1948, Serial No. 562,178. Published Oct. 12, 1948. Class 17.

505,930. ELECTRIC GENERATORS; ELECTRIC WELDING GENERATORS; ELECTRIC WELDING TRANSFORMERS; ETC. HARNISCHFEGER CORPORATION, Milwaukee, Wis.
Filed Jan. 29, 1948; originally filed, act of 1905, Feb. 27, 1947, Serial No. 518,221. Published Sept. 28, 1948. Class 21.

505,931. HIGH POTENCY VITAMIN-CONTAINING SOLID, AS A DIETARY SUPPLEMENT FOR FORTIFYING ANIMAL AND POULTRY FOODS AND FEEDS. NOPCO CHEMICAL COMPANY, Harrison, N. J., now by change of name from National Oil Products Co.
Filed Jan. 29, 1948; originally filed, act of 1905, Mar. 5, 1947, Serial No. 518,554. Published Oct. 5, 1948. Class 6.

505,932. GAS BURNERS AND PARTS THEREOF FOR GAS STOVES AND GAS RANGES. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 8, 1947, Serial No. 518,722. Published Sept. 28, 1948. Class 34.

505,933. GAS ORIFICES USED TO LIMIT THE FLOW OF GAS TO PILOT BURNERS, AND GAS VALVE HOODS. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 8, 1947, Serial No. 518,724. Published Sept. 28, 1948. Class 34.

505,934. GAS BURNERS AND PARTS THEREOF FOR GAS STOVES AND GAS RANGES. HARPER-WYMAN COMPANY, Chicago, Ill.
Filed July 5, 1947; originally filed, act of 1905, Mar. 18, 1947, Serial No. 518,960. Published Sept. 28, 1948. Class 34.

505,935. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME. BEVERAGE DISTRIBUTORS, INC., doing business as Marlboro Beverage Company, assignee of Safeway Stores Incorporated, doing business as Marlboro Beverage Company, San Francisco, Calif.
Filed Dec. 18, 1947; originally filed, act of 1905, Mar. 15, 1947, Serial No. 519,102. Published Sept. 21, 1948. Class 45.

505,936. ELECTRICAL APPLIANCES—NAMELY, STOVES, PERCOLATORS, TOASTERS, WAFFLE IRONS, ETC. BERSTED MANUFACTURING COMPANY, FOSTORIA, OHIO.
Filed Nov. 1, 1947; originally filed, act of 1905, Mar. 28, 1947, Serial No. 519,721. Published Oct. 5, 1948. Class 21.

505,937. SOIL AND GRAIN FUMIGANTS. ESTON CHEMICALS, INC., Los Angeles, Calif.
Filed July 5, 1947; originally filed, act of 1905, Apr. 11, 1947, Serial No. 520,500. Published Oct. 19, 1948. Class 6.

505,938. SPEAKER SYSTEMS—NAMELY, UNITARY ASSEMBLIES EMBODYING A PLURALITY OF SPEAKER UNITS OF DIFFERENT FREQUENCY RANGES, WITH OR WITHOUT A DIVIDING NETWORK. ALTEC LANSING CORPORATION, Los Angeles and Hollywood, Calif.
Filed Oct. 20, 1947; originally filed, act of 1905, Apr. 14, 1947, Serial No. 520,598. Published Oct. 5, 1948. Class 21.

505,939. ROUND WORM REMEDY, CHOCOLATE FLAVORED LAXATIVE, HEADACHE TABLETS, ETC. FURST-MCNESS COMPANY, Freeport, Ill.
Filed Sept. 26, 1947; originally filed, act of 1905, May 21, 1947, Serial No. 522,755. Published Oct. 12, 1948. Class 6.

505,940. STEAM ELECTRIC IRONS FOR TEXTILE AND FABRIC FINISHING. DRY CLEANING MACHINERY CORPORATION, Syracuse, N. Y.
Filed Oct. 25, 1947; originally filed, act of 1905, May 21, 1947, Serial No. 522,787. Published Oct. 5, 1948. Class 21.

505,941. ELECTRICAL APPARATUS AND SUPPLIES FOR ELECTRIC CONDUCTORS COMPRISING ELECTRIC INSULATORS AND SUPPORTS OF PORCELAIN AND METAL FITTINGS USED THEREWITH—NAMELY, PIN TYPE INSULATORS AND METAL PINS THEREFOR, ETC. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed July 14, 1947; originally filed, act of 1905, May 23, 1947, Serial No. 522,914. Published Sept. 14, 1948. Class 21.

505,942. AGRICULTURAL SEEDS—NAMELY, FIELD CROP SEEDS. F. H. PEAVEY & COMPANY, Minneapolis, Minn.
Filed Apr. 29, 1948; originally filed, act of 1905, June 5, 1947, Serial No. 523,607. Published Oct. 12, 1948. Class 1.

505,943. AGRICULTURAL SEEDS—NAMELY, FIELD CROP SEEDS. F. H. PEAVEY & COMPANY, Minneapolis, Minn.
Filed Apr. 29, 1948; originally filed, act of 1905, June 5, 1947, Serial No. 523,608. Published Oct. 12, 1948. Class 1.

505,944. MODIFIED AND COMPOUND VEGETABLE OIL FOR CHANGING CAPILLARY PROPERTIES OF OIL-CONTAINING MATERIALS FOR USE IN CONFECTIONS, CHOCOLATE, BAKING SHORTENING AND OTHER FOOD STUFFS. W. A. CLEARY CORPORATION, also doing business as Cleary Trading Corporation, New Brunswick, N. J.
Filed Aug. 28, 1947; originally filed, act of 1905, June 24, 1947, Serial No. 524,687. Published Oct. 5, 1948. Class 46.

505,945. MONTHLY PUBLICATION. MUNN & CO. INC., New York, N. Y., now by change of name Scientific American, Inc., a corporation of Delaware.
Filed July 5, 1947, Serial No. 526,568. Published Oct. 5, 1948. Class 38.

505,946. VENETIAN BLIND HARDWARE—NAMELY, TILTERS, CORD LOCKS, HEAD BRACKETS, AND FITTINGS. THE E. W. CARPENTER MANUFACTURING COMPANY, Bridgeport, Conn.
Filed July 5, 1947, Serial No. 526,573. Published Oct. 5, 1948. Class 13.

505,947. BRACKET TYPE SUPPORTS FOR CLOTHES HANGERS. CONRAD J. PATT, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,676. Published Oct. 19, 1948. Class 13.

505,948. WAFER SLICED DRIED BEEF, PIGS FEET CUTLETS, ETC. ILLINOIS MEAT COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 526,764. Published July 20, 1948. Class 46.

505,949. FUR SEALSKINS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,184. Published Oct. 12, 1948. Class 1.

505,950. FURS, SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,196. Published Oct. 12, 1948. Class 1.

505,951. FRUIT JUICE EXTRACTORS FOR EXTRACTING JUICES FROM FRUITS, SUCH AS ORANGES, LEMONS, GRAPEFRUIT AND THE LIKE. NATIONAL DIE CASTING COMPANY, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,226. Published Sept. 28, 1948. Class 23.

505,952. HARDWARE FOR GARAGE DOORS OF THE VERTICAL TURN-OVER TYPE—NAMELY, HORIZONTAL METAL TRACKS, METAL ROLLERS, PIVOTED GUIDE ARMS, AND UPPER AND LOWER WEATHER STRIPS. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill.
Filed July 5, 1947, Serial No. 527,255. Published Oct. 19, 1948. Class 13.

505,953. COAL. THE CONSOLIDATED COAL COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,289. Published Oct. 12, 1948. Class 1.

505,954. COAL. THE CONSOLIDATED COAL COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,445. Published Oct. 12, 1948. Class 1.

505,955. ELECTRIC HEATING UNITS AND ELECTRIC HEATERS—NAMELY, STRIP HEATERS, SEGMENT HEATERS, RING HEATERS, DISC HEATERS, HALF-SHEATHED HEATERS, CARTRIDGE HEATERS, CYLINDER HEATERS, SCREW-BASE HEATERS, ETC. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa.
Filed July 5, 1947, Serial No. 527,709. Published Oct. 5, 1948. Class 21.

505,956. METALLIC SLIDING DOOR TRACK. RICHARDS-WILCOX MANUFACTURING COMPANY, Aurora, Ill.
Filed July 5, 1947, Serial No. 527,937. Published Oct. 19, 1948. Class 13.

505,957. GAS FIRED UNITS FOR CENTRAL HEATING OF RESIDENTIAL STRUCTURES. MECHANICAL HOME SYSTEMS, INCORPORATED, Chicago, Ill.
Filed July 9, 1947, Serial No. 528,217. Published Oct. 5, 1948. Class 34.

505,958. ADJUSTABLE WHEELED ATTACHMENTS FOR CARRYING AGRICULTURAL TOOLS AND CONNECTING THEM TO TRACTORS OR OTHER SOURCES OF DRAFT POWER. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn.
Filed July 11, 1947, Serial No. 528,360. Published Sept. 28, 1948. Class 23.

505,959. SAUSAGE. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 12, 1947, Serial No. 528,400. Published Oct. 5, 1948. Class 46.

505,960. METAL FENCING. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa.
Filed July 12, 1947, Serial No. 528,481. Published Sept. 28, 1948. Class 13.

505,961. FERROUS PIPE AND TUBING. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa.
Filed July 12, 1947, Serial No. 528,487. Published Sept. 28, 1948. Class 13.

505,962. WELL SCREENS USED IN CONJUNCTION WITH DEEP WELLS FOR PUMPING LIQUIDS SUCH AS WATER AND OIL. EDWARD E. JOHNSON, INC., St. Paul, Minn.
Filed July 14, 1947, Serial No. 528,573. Published Oct. 19, 1948. Class 13.

505,963. BOTTLES MADE OF GLASS. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio.
Filed July 16, 1947, Serial No. 528,735. Published Oct. 19, 1948. Class 33.

505,964. FLUID MILK, SWEET CREAM, SOUR CREAM, AND BUTTERMILK. MARYLAND AND VIRGINIA MILK PRODUCERS ASSOCIATION, INC., Charlottesville, Va., and Washington, D. C.
Filed July 17, 1947, Serial No. 528,809. Published Oct. 5, 1948. Class 46.

505,965. FLUID MILK, SWEET CREAM, SOUR CREAM, AND BUTTERMILK. MARYLAND AND VIRGINIA MILK PRODUCERS ASSOCIATION, INC., Charlottesville, Va., and Washington, D. C.
Filed July 17, 1947, Serial No. 528,810. Published Oct. 5, 1948. Class 46.

505,966. CARTOONS. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa.
Filed July 17, 1947, Serial No. 528,827. Published Oct. 5, 1948. Class 38.

505,967. CANNED FISH. WHIZ FISH PRODUCTS COMPANY, Seattle, Wash.
Filed July 19, 1947, Serial No. 528,975. Published Oct. 5, 1948. Class 46.

505,968. TEMPERATURE CONTROLLED ELECTRICALLY ACTUATED FIRE DETECTING AND FIRE ALARM APPARATUS. J. H. SCHARFF, INC., Orange, N. J.
Filed July 22, 1947, Serial No. 529,205. Published Sept. 28, 1948. Class 21.

505,969. GLASS DINNER TABLEWARE AND SETS THEREOF. CHINA & GLASS DISTRIBUTORS, INC., New York, N. Y.
Filed July 23, 1947, Serial No. 529,281. Published Oct. 19, 1948. Class 33.

505,970. NATURAL FLOWERS AND NATURAL PLANTS AND FLORAL DECORATIONS MADE OF NATURAL FLOWERS. GUDE BROTHERS CO., Washington, D. C.
Filed July 24, 1947, Serial No. 529,374. Published Oct. 12, 1948. Class 1.

505,971. STORAGE BATTERIES. SOLAR CORPORATION, Milwaukee, Wis.
Filed July 24, 1947, Serial No. 529,414. Published Oct. 5, 1948. Class 21.

505,972. CIGARS. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947, Serial No. 529,774. Published Oct. 5, 1948. Class 17.

505,973. CIGARS. D. EMIL KLEIN CO., INC., New York, N. Y.
Filed July 28, 1947, Serial No. 529,780. Published Oct. 5, 1948. Class 17.

505,974. COLORED PLASTER. NATIONAL CHEMICAL & MANUFACTURING COMPANY, Chicago, Ill.
Filed July 29, 1947, Serial No. 529,919. Published Sept. 7, 1948. Class 12.

505,975. ORNAMENTAL DECORATIONS FOR FESTIVE OCCASIONS, COMPOSED OF PAPER, METALLIC COATED PAPER, METALLIC FOIL AND THE LIKE FOR USE AS TRANSIENT ADORNMENTS. SHELBY CRAFTCO CORP., Chicago, Ill.
Filed July 29, 1947, Serial No. 529,935. Published Oct. 5, 1948. Class 50.

505,976. PRESCRIPTION BOTTLES MADE OF GLASS. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed July 30, 1947, Serial No. 529,953. Published Oct. 12, 1948. Class 33.

505,977. ROOT BEER AND ROOT BEER AND BIRCH BEER EXTRACTS FOR USE AS A BEVERAGE BASE FOR MALTLESS SOFT DRINKS. BAKER EXTRACT COMPANY, Springfield, Mass.
Filed Aug. 1, 1947, Serial No. 530,158. Published Sept. 21, 1948. Class 45.

505,978. BRANDY. DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y.
Filed Aug. 11, 1947, Serial No. 531,022. Published Sept. 21, 1948. Class 49.

505,979. BRANDY. DISTILLED LIQUORS IMPORT CO., INC., New York, N. Y.
Filed Aug. 11, 1947, Serial No. 531,023. Published Sept. 21, 1948. Class 49.

505,980. BOTTLE CLOSURES MADE OF BASE METALS AND CORK BOTTLE STOPPERS, ETC. BROOKS BROTHERS, New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,305. Published Sept. 28, 1948. Class 50.

505,981. PUBLICATION PUBLISHED PERIODICALLY. DELL PUBLISHING COMPANY, INC., New York, N. Y.
Filed Aug. 15, 1947, Serial No. 531,447. Published Oct. 5, 1948. Class 38.

505,982. METAL FENCE POSTS. INLAND STEEL COMPANY, Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,479. Published Sept. 28, 1948. Class 13.

505,983. PRINTED, EMBOSSED, AND ENGRAVED ANNOUNCEMENTS AND CALLING CARDS. JOSTEN MANUFACTURING COMPANY, Owatonna, Minn.
Filed Aug. 16, 1947, Serial No. 531,609. Published Sept. 21, 1948. Class 38.

505,984. MAGAZINE FOR THE TRADE IN NOTIONS AND NOVELTIES. HAIRE PUBLISHING COMPANY, New York, N. Y.
Filed Aug. 18, 1947, Serial No. 531,667. Published Oct. 5, 1948. Class 38.

505,985. TEA AND PACKAGED SOUP. THOMAS J. LIPTON, INC., Hoboken, N. J.
Filed Aug. 18, 1947, Serial No. 531,692. Published Sept. 28, 1948. Class 46.

505,986. POLISHING AND BUFFING COMPOUND FOR USE ON PLASTICS AND NON-FERROUS METALS. E. REED BURNS MANUFACTURING CORPORATION, Brooklyn, N. Y.
Filed Aug. 19, 1947, Serial No. 531,769. Published Sept. 28, 1948. Class 4.

505,987. PREPARATION FOR CLEANING AND POLISHING ALUMINUM. THE SELIG COMPANY, Atlanta, Ga.
Filed Aug. 19, 1947, Serial No. 531,853. Published Sept. 14, 1948. Class 4.

505,988. COMIC MAGAZINE PUBLISHED MONTHLY. FAN MAIL, INC., New York, N. Y., assignor to Magazine Enterprises, Inc., New York, N. Y., a corporation of New York.
Filed Aug. 20, 1947, Serial No. 531,897. Published Oct. 5, 1948. Class 38.

505,989. CIGARS. METROPOLITAN CIGAR CORPORATION, Chicago, Ill.
Filed Aug. 20, 1947, Serial No. 531,927. Published Oct. 5, 1948. Class 17.

505,990. VITREOUS CHINA WATER CLOSETS, TANKS, AND BOWLS. KOKOMO SANITARY POTTERY CORPORATION, Kokomo, Ind., and Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 532,035. Published Oct. 19, 1948. Class 13.

505,991. VITREOUS CHINA WATER CLOSETS, TANKS, AND BOWLS. KOKOMO SANITARY POTTERY CORPORATION, Kokomo, Ind., and Chicago, Ill.
Filed Aug. 21, 1947, Serial No. 532,036. Published Oct. 19, 1948. Class 13.

505,992. MAGAZINE SECTIONS PUBLISHED MONTHLY AND USED BY NEWSPAPERS IN THE MIDDLE WEST. RURAL GRAVURE SERVICE, INC., Madison, Wis.
Filed Aug. 21, 1947, Serial No. 532,060. Published Oct. 5, 1948. Class 38.

505,993. BATHROOM FIXTURES—NAMELY, TUMBLER HOLDER; COMBINATION TUMBLER AND TOOTHBRUSH HOLDER; COMBINATION CIGAR, CIGARETTE, MATCH, ASH-TRAY, AND NEWSPAPER HOLDER, ETC. J. H. BALMER CO., Trenton, N. J.
Filed Aug. 22, 1947, Serial No. 532,108. Published Sept. 28, 1948. Class 13.

505,994. WRITING BOARDS ALSO KNOWN AS BLACKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Aug. 28, 1947, Serial No. 532,777. Published Oct. 5, 1948. Class 50.

505,995. WRITING BOARDS, ALSO KNOWN AS BLACKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Aug. 28, 1947, Serial No. 532,779. Published Oct. 5, 1948. Class 50.

505,996. WRITING BOARDS IN THE FORM OF CHALKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Aug. 28, 1947, Serial No. 532,783. Published Oct. 5, 1948. Class 50.

505,997. WRITING BOARDS IN THE FORM OF CHALKBOARDS. WEBER COSTELLO CO., Chicago Heights, Ill.
Filed Aug. 28, 1947, Serial No. 532,784. Published Sept. 7, 1948. Class 50.

505,998. SPACE HEATERS, WATER HEATERS, FURNACES, AND OIL BURNERS. LONERGAN MANUFACTURING COMPANY, Albion, Mich.
Filed Aug. 29, 1947, Serial No. 532,838. Published Oct. 12, 1948. Class 34.

505,999. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,239. Published Oct. 12, 1948. Class 17.

506,000. STEAM VALVES AND WATER VALVES. THE FAIRBANKS COMPANY, New York, N. Y.
Filed Sept. 4, 1947, Serial No. 533,287. Published Sept. 28, 1948. Class 13.

506,001. GLOBE AND ANGLE VALVES. THE FAIRBANKS COMPANY, New York, N. Y.
Filed Sept. 4, 1947, Serial No. 533,288. Published Sept. 28, 1948. Class 13.

506,002. CANNED RED PITTED CHERRIES. FRUIT GROWERS CO-OPERATIVE, Sturgeon Bay, Wis.
Filed Sept. 4, 1947, Serial No. 533,291. Published Sept. 28, 1948. Class 46.

506,003. DRESSED POULTRY. OMAHA COLD STORAGE COMPANY, also doing business as Bellevue Creamery & Produce Co., Omaha, Nebr.
Filed Sept. 4, 1947, Serial No. 533,354. Published Sept. 28, 1948. Class 46.

506,004. CANNED SARDINES, CANNED KIPPERED HERRINGS, AND FAT HERRINGS IN TOMATO. SEEMAN BROTHERS, INC., New York, N. Y.
Filed Sept. 4, 1947, Serial No. 533,402. Published Aug. 3, 1948. Class 46.

506,005. TOILET SOAP. THE J. R. WATKINS COMPANY, Winona, Minn.
Filed Sept. 4, 1947, Serial No. 533,425. Published Aug. 17, 1948. Class 4.

506,006. CANNED ABALONE. MODERN FOOD PRODUCTS COMPANY, San Francisco, Calif.
Filed Aug. 5, 1947, Serial No. 533,478. Published Sept. 21, 1948. Class 46.

506,007. MONTHLY PUBLICATION. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed Sept. 5, 1947, Serial No. 533,544. Published Oct. 5, 1948. Class 38.

506,008. CANNED VEGETABLES. JOHN H. DULANY & SON, INC., Fruitland, Md.
Filed Sept. 5, 1947, Serial No. 533,549. Published Sept. 28, 1948. Class 46.

506,009. CANNED VEGETABLES. JOHN H. DULANY & SON, INC., Fruitland, Md.
Filed Sept. 5, 1947, Serial No. 533,551. Published Sept. 28, 1948. Class 46.

506,010. COFFEE. LOUIS SHERRY COFFEE, TEAS & SPICES, INC., Long Island City, N. Y.
Filed Sept. 5, 1947, Serial No. 533,625. Published Sept. 21, 1948. Class 46.

506,011. PAPER TABLETS; ACCOUNT, DATA OR ORDER BOOKS; LOOSE WRITING PAPER FOR SCHOOL OR OFFICE USE PUT UP IN WRAPPED PACKAGES, BOXES, OR BANDED, ETC. WESTERN TABLET & STATIONERY CORPORATION, Dayton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,658. Published Sept. 21, 1948. Class 37.

506,012. STEAM AND WATER VALVES. THE FAIRBANKS COMPANY, New York, N. Y.
Filed Sept. 9, 1947, Serial No. 533,868. Published Oct. 19, 1948. Class 13.

506,013. PLUMBING AND STEAM-FITTING VALVES. THE FAIRBANKS COMPANY, New York, N. Y.
Filed Sept. 9, 1947, Serial No. 533,870. Published Oct. 19, 1948. Class 13.

506,014. BIRD FOOD. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Sept. 10, 1947, Serial No. 534,016. Published Sept. 21, 1948. Class 46.

506,015. MUSTARD AND SANDWICH SPREAD. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Sept. 10, 1947, Serial No. 534,017. Published Sept. 28, 1948. Class 46.

506,016. PERIODICAL PUBLISHED BI-MONTHLY OR AT OTHER REGULAR INTERVALS. CURRENT BOOKS, INC., New York, N. Y.
Filed Sept. 11, 1947, Serial No. 534,094. Published Oct. 5, 1948. Class 38.

506,017. COOKING AND HEATING STOVES AND FURNACES. GRAY & DUDLEY COMPANY, Nashville, Tenn.
Filed Sept. 11, 1947, Serial No. 534,110. Published Sept. 28, 1948. Class 34.

506,018. PERIODICAL PUBLISHED BI-MONTHLY OR AT OTHER REGULAR INTERVALS. ACE PERIODICALS INC., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,221. Published Oct. 5, 1948. Class 38.

506,019. LEATHER. GUTMANN AND COMPANY, Chicago, Ill.
Filed Sept. 12, 1947, Serial No. 534,275. Published Oct. 19, 1948. Class 1.

506,020. SOAP. LOS ANGELES SOAP COMPANY, Los Angeles, Calif.
Filed Sept. 12, 1947, Serial No. 534,297. Published Aug. 17, 1948. Class 4.

506,021. PERIODICAL PUBLICATIONS, PRINTS, AND PLANS WITH INFORMATION FOR CONSTRUCTION OF VARIOUS ARTICLES OF WOOD, METAL, OR BOTH. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 11, 1947, Serial No. 534,362. Published Oct. 12, 1948. Class 38.

506,022. PERIODICAL PUBLICATIONS, PRINTS, AND PLANS WITH INFORMATION FOR CONSTRUCTION OF VARIOUS ARTICLES OF WOOD, METAL OR BOTH. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Sept. 11, 1947, Serial No. 534,363. Published Oct. 5, 1948. Class 38.

506,023. JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, EARRINGS, COSTUME JEWELRY, BRACELETS, BROOCHES, CHAINS TO ENCIRCLE THE NECK, AND WATCH CHAINS. SHEFFIELD, INC., Attleboro, Mass.
Filed Sept. 13, 1947, Serial No. 534,477. Published Oct. 12, 1948. Class 28.

506,024. FRESH CARROTS. LEWIS A. TERVEN, doing business as Lewis A. Terven Co., Salinas, Calif., assignor to Lewis A. Terven Co., Salinas, Calif., a corporation of California.
Filed Sept. 16, 1947, Serial No. 534,694. Published Oct. 5, 1948. Class 46.

506,025. CANNED PEAS, TOMATO SOUP, AND KETCHUP. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Sept. 17, 1947, Serial No. 534,773. Published Oct. 5, 1948. Class 46.

506,026. PICKLE RELISH. MACONOCHIE BROTHERS, LIMITED, London, England.
Filed Sept. 17, 1947, Serial No. 534,794. Published Oct. 5, 1948. Class 46.

506,027. BEER AND ALE. THE WOODEN SHOE BREWING COMPANY, Minster, Ohio.
Filed Sept. 17, 1947, Serial No. 534,850. Published Sept. 21, 1948. Class 48.

506,028. HARD WHEAT FIRST CLEAR FLOUR. ATKINSON MILLING COMPANY, Minneapolis, Minn.
Filed Sept. 18, 1947, Serial No. 534,864. Published Oct. 5, 1948. Class 46.

506,029. FOUNTAIN PENS AND PENCILS AND FOR PEN AND PENCIL SETS. STRATFORD PEN CORPORATION, New York, N. Y.
Filed Sept. 18, 1947, Serial No. 534,937. Published Sept. 21, 1948. Class 37.

506,030. ELECTRIC ARC ETCHING MACHINES FOR MARKING METALS. TAYLOR, TAYLOR & HOBSON, LIMITED, Leicester, England.
Filed Sept. 19, 1947, Serial No. 535,097. Published Oct. 5, 1948. Class 21.

506,031. WEEKLY NEWSLETTER. THE KIPLINGER WASHINGTON AGENCY, INC., Washington, D. C.
Filed Sept. 23, 1947, Serial No. 535,326. Published Oct. 12, 1948. Class 38.

506,032. WEEKLY TAX LETTER. THE KIPLINGER WASHINGTON AGENCY, INC., Washington, D. C.
Filed Sept. 23, 1947, Serial No. 535,327. Published Oct. 12, 1948. Class 38.

506,033. WEEKLY AGRICULTURAL LETTER. THE KIPLINGER EDITORS, INC., Washington, D. C.
Filed Sept. 23, 1947, Serial No. 535,328. Published Oct. 12, 1948. Class 38.

506,034. CANDY. E. C. PALMER, WILLIAM B. PALMER, AND WINOGENE E. PALMER, trustees for the W. B. Palmer Estate, doing business as Palmer Candy Company, Sioux City, Iowa.
Filed Sept. 23, 1947, Serial No. 535,426. Published Sept. 28, 1948. Class 46.

506,035. CANDY AND ICE CREAM. FENN BROS. INC., Sioux Falls, S. Dak.
Filed Sept. 24, 1947, Serial No. 535,514. Published Sept. 21, 1948. Class 46.

506,036. ELECTRIC CABLE. THE OKONITE COMPANY, Passaic, N. J.
Filed Sept. 24, 1947, Serial No.. 535,592. Published Oct. 5, 1948. Class 21.

506,037. CANNED FRUITS. OLYMPIA CANNING COMPANY, Olympia, Wash.
Filed Sept. 24, 1947, Serial No. 535,593. Published Sept. 21, 1948. Class 46.

506,038. WINDOW CURTAINS AND TABLE COVERINGS OF COATED TEXTILE FABRICS OR OF THIN PLASTIC FILM. INTERCHEMICAL CORPORATION, New York, N. Y.
Filed Sept. 26, 1947, Serial No. 535,846. Published Oct. 12, 1948. Class 42.

506,039. LUBRICATING OILS AND GREASES; CUTTING OILS FOR COOLING AND LUBRICATING CUTTING TOOLS ON METAL MACHINERY OPERATIONS; ETC. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa.
Filed Sept. 26, 1947, Serial No. 535,873. Published Oct. 5, 1948. Class 15.

506,040. TOILET SOAP. WRIGHT & LAWRENCE LABORATORIES, INC., Chicago, Ill.
Filed Sept. 30, 1947, Serial No. 536,330. Published Aug. 17, 1948. Class 4.

506,041. CANDY. JOHN O. GILBERT CHOCOLATE COMPANY, Jackson, Mich.
Filed Oct. 1, 1947, Serial No. 536,374. Published Oct. 5, 1948. Class 46.

506,042. ELECTRICALLY HEATED FOOD TRAY WHEELED CONVEYORS OR TRUCKS, AND ELECTRICALLY HEATED FOOD WHEELED CONVEYORS OR TRUCKS. THE MERRIAM COMPANY, INC., Columbus, Ohio, Baltimore, Md., and Washington, D. C., assignor to The Colson-Merriam Co., Baltimore, Md.
Filed Oct. 1, 1947, Serial No. 536,411. Published Sept. 28, 1948. Class 21.

506,043. COAL. RED JACKET COAL SALES COMPANY, Columbus, Ohio.
Filed Oct. 6, 1947, Serial No. 536,953. Published Oct. 19, 1948. Class 1.

506,044. WINES. SANTA FE VINTAGE COMPANY, Los Angeles, Calif.
Filed Oct. 6, 1947, Serial No. 536,959. Published Sept. 21, 1948. Class 47.

506,045. WINES. SANTA FE VINTAGE COMPANY, Los Angeles, Calif.
Filed Oct. 6, 1947, Serial No. 536,960. Published Sept. 21, 1948. Class 47.

506,046. SHAVING CREAM, SHAVING STICK, TOILET SOAP, A DRY CLEANING PREPARATION IN POWDER, LIQUID AND PASTE FORM, SILVER POLISH, WHITE SHOE DRESSING, AND METAL POLISH. AVON PRODUCTS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 536,991. Published Sept. 14, 1948. Class 4.

506,047. WINES. CALIFORNIA GRAPE PRODUCTS CO., LTD., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,000. Published Sept. 21, 1948. Class 47.

506,048. COFFEE AND TEA. MARTIN L. HALL COMPANY, Boston, Mass.
Filed Oct. 8, 1947, Serial No. 537,176. Published Sept. 21, 1948. Class 46.

506,049. NON-ALCOHOLIC MALTLESS BEVERAGE SOLD AS A SOFT DRINK. ROCHESTER SODA WATER COMPANY, INC., Rochester, N. Y.
Filed Oct. 8, 1947, Serial No. 537,243. Published Oct. 5, 1948. Class 45.

506,050. PORTLAND CEMENT AND MASONS CEMENT. DEWEY PORTLAND CEMENT COMPANY, Kansas City, Mo.
Filed Oct. 9, 1947, Serial No. 537,295. Published Sept. 14, 1948. Class 12.

506,051. MASTIC COMPOUND FOR CAULKING, GLAZING, POINTING AND LIKE PURPOSES. THE TREMCO MANUFACTURING COMPANY, Cleveland, Ohio.
Filed Oct. 10, 1947, Serial No. 537,489. Published Sept. 14, 1948. Class 12.

506,052. MALTLESS SOFT DRINKS AND CARBONATED WATERS. DURANGO COCA-COLA BOTTLING CO., Durango, Colo.
Filed Oct. 13, 1947, Serial No. 537,668. Published Oct. 5, 1948. Class 45.

506,053. MINERAL AND CARBONATED WATER AND FOR CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME. N. H. DARSEY, doing business as Golden Age Ginger Ale Company of America, Youngstown, Canton, and Akron, Ohio, and Houston, Tex.
Filed Oct. 14, 1947, Serial No. 537,789. Published Oct. 5, 1948. Class 45.

506,054. ELECTRICAL STATIC FREQUENCY CONVERTERS. LORAIN PRODUCTS CORPORATION, Lorain, Ohio.
Filed Oct. 15, 1947, Serial No. 537,909. Published Oct. 5, 1948. Class 21.

506,055. WHISKEY. MOUND CITY PRODUCTS CO., St. Louis, Mo.
Filed Oct. 16, 1947, Serial No. 538,027. Published Sept. 21, 1948. Class 49.

506,056. ULTRAMARINE BLUE, LAUNDRY BLUE, IRON BLUE; ORGANIC RED PIGMENTS OF THE AZO GROUP AS FOLLOWS: PARA RED PIGMENTS, LITHOL RED PIGMENTS, ETC. THE STANDARD ULTRAMARINE CO., Huntington, W. Va.
Filed Oct. 25, 1947, Serial No. 539,097. Published Oct. 5, 1948. Class 6.

506,057. FRESH CITRUS FRUITS. LEMON COVE ASSOCIATION, Lemon Cove, Calif.
Filed Oct. 27, 1947, Serial No. 539,181. Published Sept. 21, 1948. Class 46.

506,058. FRESH CITRUS FRUITS. LEMON COVE ASSOCIATION, also doing business as Kaweah Lemon Co., Lemon Cove, Calif.
Filed Oct. 27, 1947, Serial No. 539,185. Published Sept. 21, 1948. Class 46.

506,059. FRESH CITRUS FRUITS. LEMON COVE ASSOCIATION, Lemon Cove, Calif.
Filed Oct. 27, 1947, Serial No. 539,188. Published Sept. 21, 1948. Class 46.

506,060. MAGAZINE PUBLISHED AT IRREGULAR INTERVALS. PORTS PUBLISHING COMPANY, Salt Lake City, Utah.
Filed Oct. 29, 1947, Serial No. 539,434. Published Oct. 5, 1948. Class 38.

506,061. BEER AND ALE. F. W. COOK COMPANY, INC., Evansville, Ind.
Filed Oct. 30, 1947, Serial No. 539,496. Published Oct. 5, 1948. Class 48.

506,062. TOILET SOAPS, BATH SOAPS, AND LIQUID SOAPS. JAQUET, INC., New York, N. Y.
Filed Oct. 30, 1947, Serial No. 539,524. Published Sept. 14, 1948. Class 4.

506,063. CALENDAR OF CORPORATION EVENTS ISSUED AT IRREGULAR INTERVALS. REGISTRAR AND TRANSFER COMPANY, New York, N. Y.
Filed Oct. 30, 1947, Serial No. 539,565. Published Oct. 5, 1948. Class 38.

506,064. INDUSTRIAL FURNACES. R-S PRODUCTS CORPORATION, Philadelphia, Pa.
Filed Oct. 31, 1947, Serial No. 539,756. Published Oct. 12, 1948. Class 34.

506,065. PACKAGED RICE. UNITED RICE MILLING PRODUCTS COMPANY, INC., New Orleans, La.
Filed July 14, 1947, Serial No. 539,825. Published Sept. 21, 1948. Class 46.

506,066. STORAGE BATTERIES. MONARK BATTERY COMPANY, INC., Chicago, Ill.
Filed July 17, 1947, Serial No. 539,832. Published Oct. 5, 1948. Class 21.

506,067. TYPEWRITER RIBBONS AND CARBON PAPER. COLUMBIA RIBBON & CARBON MANUFACTURING COMPANY, INC., Glen Cove, N. Y.
Filed Nov. 5, 1947, Serial No. 540,175. Published Oct. 19, 1948. Class 11.

506,068. MIXTURE OF PROTEIN FREE MALTOSE AND DEXTRINS, ETC. WYETH INCORPORATED, Philadelphia, Pa.
Filed Nov. 5, 1947, Serial No. 540,226. Published Oct. 5, 1948. Class 46.

506,069. FRESH CITRUS FRUITS. NARANJO PACKING HOUSE COMPANY, Woodlake, Calif.
Filed Nov. 7, 1947, Serial No. 540,438. Published Sept. 28, 1948. Class 46.

506,070. VITAMIN D CONCENTRATE FOR FORTIFYING FLUID MILK. VITAMINS, INC., Chicago, Ill.
Filed Nov. 12, 1947, Serial No. 540,945. Published Oct. 5, 1948. Class 6.

506,071. COSMETIC AND BEAUTY PREPARATIONS—NAMELY, FACE POWDER, FACE CREAM, FOUNDATION CREAM, FOUNDATION LOTION, PERFUME, COLOGNE, TOILET WATER, CREAM ROUGE, ETC. LUXANA, S. A., Barcelona, Spain.
Filed Nov. 13, 1947, Serial No. 541,004. Published Sept. 14, 1948. Class 6.

506,072. SPARK PLUGS. LODGE PLUGS LIMITED, Rugby, England.
Filed Nov. 26, 1947, Serial No. 542,474. Published Oct. 5, 1948. Class 21.

506,073. PERIODICAL PUBLICATIONS, AND PRINTS AND PLANS WITH INSTRUCTIONS FOR MAKING VARIOUS ARTICLES OF WOOD, METAL, OR BOTH. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa.
Filed Nov. 28, 1947, Serial No. 542,658. Published Oct. 5, 1948. Class 38.

506,074. LEATHER. FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis.
Filed Nov. 28, 1947, Serial No. 542,662. Published Oct. 12, 1948. Class 1.

506,075. CIGARS. GRADIAS, ANNIS & CO., INC., Tampa, Fla.
Filed Dec. 1, 1947, Serial No. 542,827. Published Oct. 12, 1948. Class 17.

506,076. NEWSPAPER. THE PONTIAC DAILY PRESS, Pontiac, Mich.
Filed Dec. 1, 1947, Serial No. 542,880. Published Oct. 19, 1948. Class 38.

506,077. PERIODICALS PUBLISHED FROM TIME TO TIME. PUBLIC WORKS JOURNAL CORPORATION, New York, N. Y.
Filed Sept. 12, 1947, Serial No. 543,021. Published Oct. 19, 1948. Class 38.

506,078. PERIODICAL. JENKINS PUBLICATIONS, INC., Los Angeles, Calif.
Filed Dec. 11, 1947, Serial No. 544,089. Published Oct. 5, 1948. Class 38.

506,079. PERIODICAL. JENKINS PUBLICATIONS, INC., Los Angeles, Calif.
Filed Dec. 11, 1947, Serial No. 544,090. Published Oct. 5, 1948. Class 38.

506,080. TRADING STAMPS. GOLD BOND STAMP COMPANY, Minneapolis, Minn.
Filed Dec. 16, 1947, Serial No. 544,443. Published Oct. 5, 1948. Class 38.

506,081. ANTIHISTAMINIC PREPARATIONS FOR THE PREVENTION AND TREATMENT OF ALLERGIES. AMERICAN CYANAMID COMPANY, New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,837. Published Sept. 14, 1948. Class 6.

506,082. PERIODIC PUBLICATION. CAPITAL CLASSIC ASSOCIATION, Washington, D. C.
Filed Dec. 19, 1947, Serial No. 544,849. Published Oct. 5, 1948. Class 38.

506,083. ELECTRICAL CAPACITORS. CORNELL-DUBILIER ELECTRIC CORPORATION, South Plainfield, N. J.
Filed Dec. 19, 1947, Serial No. 544,855. Published Sept. 28, 1948. Class 21.

506,084. MONTHLY PERIODICALS. THE TOBACCO WORLD CORPORATION, Philadelphia, Pa.
Filed Dec. 22, 1947, Serial No. 545,181. Published Oct. 5, 1948. Class 38.

506,085. ARC LAMPS, PARTICULARLY FOR USE IN THE GRAPHIC ARTS INDUSTRY. THE STRONG ELECTRIC CORPORATION, Toledo, Ohio.
Filed Dec. 27, 1947, Serial No. 545,596. Published Oct. 12, 1948. Class 21.

506,086. COMBINATION CAPACITORS AND RESISTORS. JEFFERS ELECTRONICS, INC., Dubois, Pa.
Filed Jan. 5, 1948, Serial No. 546,195. Published Oct. 12, 1948. Class 21.

506,087. PUBLICATION ISSUED ANNUALLY. THE NATIONAL PROVISIONER, INC., Chicago, Ill.
Filed Jan. 6, 1948, Serial No. 546,316. Published Oct. 5, 1948. Class 38.

506,088. SULFATHIAZOLE-SULFADIAZINE BUFFERED WITH SODIUM CITRATE. AMES COMPANY, INC., Elkhart, Ind.
Filed Jan. 19, 1948, Serial No. 547,415. Published Oct. 19, 1948. Class 6.

506,089. MUSICAL PUBLICATIONS AND COMPOSITIONS. H. & A. SELMER, INC., Elkhart, Ind.
Filed Jan. 19, 1948, Serial No. 547,488. Published Oct. 5, 1948. Class 38.

506,090. CARBON PAPER. ROYAL TYPEWRITER COMPANY, INC., New York, N. Y.
Filed Jan. 23, 1948, Serial No. 547,874. Published Oct. 19, 1948. Class 11.

506,091. PRINTS AND PUBLICATIONS CONSISTING OF SHEETS OF DRAWINGS AND SPECIFICATIONS EMBRACING MATTER DESCRIPTIVE OF THE APPLICATION AND USE OF ADHESIVES IN THE CONSTRUCTION INDUSTRY PUBLISHED FROM TIME TO TIME. MIRACLE ADHESIVES CORPORATION, Newark, N. J., and New York, N. Y.
Filed Jan. 27, 1948, Serial No. 548,093. Published Oct. 19, 1948. Class 38.

506,092. NEWSPAPER COLUMN. DOROTHY DRAPER, New York, N. Y.
Filed Jan. 30, 1948, Serial No. 548,348. Published Oct. 19, 1948. Class 38.

506,093. NEWSPAPER. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa.
Filed Feb. 5, 1948, Serial No. 548,843. Published Oct. 19, 1948. Class 38.

506,094. SERIES OF BOOKS PUBLISHED FROM TIME TO TIME. MCLOUGHLIN BROS., INC., Springfield, Mass.
Filed Nov. 12, 1947, Serial No. 549,350. Published Oct. 5, 1948. Class 38.

506,095. PERIODICAL PUBLICATION PUBLISHED WEEKLY. PRINTERS' INK PUBLISHING CO. INC., New York, N. Y.
Filed Feb. 13, 1948, Serial No. 549,662. Published Oct. 19, 1948. Class 38.

506,096. PERIODICAL PUBLICATION PUBLISHED WEEKLY. PRINTERS' INK PUBLISHING CO. INC., New York, N. Y.
Filed Feb. 13, 1948, Serial No. 549,663. Published Oct. 5, 1948. Class 38.

506,097. PERIODICAL PUBLISHED FROM TIME TO TIME. JOHN H. BRECK, INC., Springfield, Mass.
Filed Feb. 14, 1948, Serial No. 549,703. Published Oct. 5, 1948. Class 38.

506,098. SECTION OR COLUMN IN A PERIODICAL PUBLICATION. STREET & SMITH PUBLICATIONS, INC., New York, N. Y.
Filed Feb. 19, 1948, Serial No. 550,179. Published Oct. 5, 1948. Class 38.

506,099. PUBLICATIONS ISSUED FROM TIME TO TIME DEVOTED TO RADIO TRANSMITTING AND RECEIVING APPARATUS AND TELEVISION TRANSMITTING AND RECEIVING APPARATUS. RADIO MANUFACTURERS ASSOCIATION, Washington, D. C.
Filed Feb. 27, 1948, Serial No. 550,732. Published Oct. 12, 1948. Class 38.

506,100. WOOLEN PIECE GOODS. A. D. ELLIS MILLS INCORPORATED, Monson, Mass.
Filed Feb. 28, 1948, Serial No. 550,796. Published Sept. 28, 1948. Class 42.

506,101. HOUSE ORGAN AND SECTION OF A MAGAZINE PUBLISHED MONTHLY. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y.
Filed Mar. 25, 1948, Serial No. 552,996. Published Oct. 5, 1948. Class 38.

506,102. WOOLEN PIECE GOODS. WILLIAM HOLLINS AND COMPANY LIMITED, Nottingham, England.
Filed Mar. 30, 1948, Serial No. 553,369. Published Oct. 5, 1948. Class 42.

506,103. ANTISEPTICS CONTAINING AS AN ACTIVE INGREDIENT A QUATERNARY AMMONIUM COMPOUND. WALLACE & TIERNAN PRODUCTS, INC., Belleville, N. J.
Filed Mar. 30, 1948, Serial No. 553,438. Published Oct. 19, 1948. Class 6.

506,104. PERFUMES, COLOGNES, AND TOILET WATERS. PARFUMS WEIL PARIS CO., New York, N. Y.
Filed Apr. 2, 1948, Serial No. 553,735. Published Oct. 19, 1948. Class 6.

506,105. MAGAZINE (PERIODICAL). HERCULES POWDER COMPANY, Wilmington, Del.
Filed Jan. 19, 1948, Serial No. 556,717. Published Oct. 19, 1948. Class 38.

Service Marks

506,106. GUN PERFORATING TESTING IN CONNECTION WITH OIL WELLS. MCCULLOUGH TOOL COMPANY, Los Angeles, Calif.
Filed July 7, 1947, Serial No. 528,069. Published Sept. 14, 1948. Class 55.

Collective Marks

506,107. FRESH VEGETABLES. CALIFORNIA VEGETABLE GROWERS, Guadalupe, Calif.
Filed Sept. 26, 1947; originally filed, act of 1905, Feb. 21, 1947, Serial No. 517,886. Published Sept. 28, 1948. Class 46.

506,108. MEMBERSHIP CARDS IN THE ASSOCIATION KNOWN AS THE BENEVOLENT AND PROTECTIVE ORDER OF KEGLERS OF AMERICA. KEGLERS OF AMERICA, INC., Spokane, Wash.
Filed Jan. 16, 1948, Serial No. 547,257. Published Oct. 12, 1948. Class 38.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

506,109. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ALLOY RODS COMPANY, York, Pa. Filed Aug. 27, 1948; originally filed, Act of 1905, July 3, 1945, Serial No. 485,391.

Alloy Rods Co.

FOR ELECTRODES FOR ARC WELDING STAINLESS AND ALLOY STEELS.
Claims use since Apr. 1, 1944.

506,110. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE COWLES DETERGENT COMPANY, Cleveland, Ohio, now by change of name Cowles Chemical Company, Cleveland, Ohio, a corporation of Ohio. Filed Aug. 28, 1948; originally filed, act of 1905, Feb. 14, 1946, Serial No. 496,544.

NU-NAP

FOR DETERGENT FOR WASHING FELT.
Claims use since Sept. 19, 1945.

506,111. (CLASS 39. CLOTHING.) STAFFORDWEAR, INC., New York, N. Y. Filed Apr. 7, 1948, Serial No. 497,748.

STAFFORDWEAR

The lining indicated on the drawing is for shading purposes only.
FOR LEATHER AND FABRIC GLOVES AND MUFFLERS.
Claims use since Feb. 15, 1946.

506,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LABORATOIRES GARNIER, Paris, France. Filed Oct. 15, 1947; originally filed, act of 1905, Apr. 6, 1946, Serial No. 499,786.

EXTRAIT DE MOËLLE
GARNIER

Applicant claims ownership of French registration No. 364,418 dated Feb. 23, 1946.
FOR HAIR TONIC.

506,113. (CLASS 31. FILTERS AND REFRIGERATORS.) THE SILEX COMPANY, Hartford, Conn. Filed Dec. 9, 1947; originally filed, act of 1905, June 12, 1946, Serial No. 503,764.

LOX-IN

FOR FILTERS FOR COFFEE MAKERS.
Claims use since Feb. 28, 1946.

506,114. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOOKER-INTER COMPANY, Los Angeles, Calif. Filed Aug. 25, 1947; originally filed, act of 1905, July 26, 1946, Serial No. 506,317.

TATE'S

FOR FRESH TOMATOES, FRESH PEACHES, FRESH CITRUS FRUITS AND FRESH GRAPES.
Claims use since July 13, 1946.

506,115. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) YOUNG DENTAL MANUFACTURING COMPANY, St. Louis, Mo. Filed Feb. 17, 1948; originally filed, act of 1905, Sept. 5, 1946, Serial No. 508,561.

youngs

FOR DENTAL PLATE CLEANER AND POLISHER.
Claims use since Mar. 17, 1943.

506,116. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y. Filed Feb. 19, 1948; originally filed, act of 1905, Sept. 20, 1946, Serial No. 509,458.

Carroll HOUSE

FOR RUBBER SHEETING AND PYROXYLIN SHEETING.
Claims use since Aug. 23, 1946.

506,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBION PRODUCE COMPANY, INC., Albion, N. Y. Filed Nov. 10, 1948; originally filed, act of 1905, Oct. 24, 1946, Serial No. 511,365.

Mrs. WIGGS'

FOR CANNED SAUERKRAUT.
Claims use since Sept. 11, 1946.

506,118. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) THE MILLVILLE MANUFACTURING COMPANY, Philadelphia, Pa. Filed Sept. 4, 1948; originally filed, act of 1905, Oct. 26, 1946, Serial No. 511,566.

WEFTWILL

FOR COTTON PIECE GOODS.
Claims use since Aug. 12, 1946.

506,119. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) LEKTRA LABORATORIES, INC., New York, N. Y. Filed July 16, 1948; originally filed, act of 1905, Dec. 4, 1946, Serial No. 513,665.

RAY-TAN

FOR ULTRA-VIOLET LAMPS FOR THERAPEUTIC PURPOSES.
Claims use since Nov. 1, 1946.

506,120. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) L. ROSENFELD & CO., INC., New York, N. Y. Filed Aug. 2, 1948; originally filed, act of 1905, Feb. 27, 1947, Serial No. 518,253.

Rite-Light

FOR ELECTRIC LAMPS.
Claims use since Dec. 20, 1946.

506,121. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. KATSORIS, INC., New York, N. Y. Filed Mar. 8, 1948; originally filed, act of 1905, Mar. 15, 1947, Serial No. 519,071.

ARIS

FOR OLIVE OIL.
Claims use since Jan. 21, 1947.

506,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORY MILLING COMPANY, INC., Bangor, Pa. Filed Dec. 18, 1947; originally filed, act of 1905, June 5, 1947, Serial No. 523,577.

FLORY
N-er-G MASH

FOR MASH FOR USE AS A POULTRY FEED.
Claims use since Nov. 15, 1945.

506,123. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASS-SWAYNE CO., INC., Santa Ana, Calif. Filed June 7, 1948; originally filed, act of 1905, July 4, 1947, Serial No. 526,201.

The drawing is lined for red and yellow. The picture of the girl is fanciful.
FOR CANNED PORK AND BEANS.
Claims use since Feb. 11, 1947.

506,124. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) GLOSTEX PRODUCTS, INC., Chicago, Ill. Filed Oct. 5, 1948, Serial No. 528,205.

BEACHTHRO

FOR WOVEN RUGS.
Claims use since June 25, 1947.

506,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPENCER CHEMICAL COMPANY, Kansas City, Mo. Filed Oct. 16, 1948, Serial No. 588,190.

SPENCER

FOR SOLID CARBON DIOXIDE, ANHYDROUS AMMONIA, NITROGEN SOLUTION—NAMELY, A SOLUTION OF AMMONIUM NITRATE IN AMMONIUM LIQUOR AND AQUA AMMONIA.
Claims use since June 20, 1947.

506,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SPENCER CHEMICAL COMPANY, Kansas City, Mo. Filed Oct. 16, 1948, Serial No. 538,192.

SPENCER

FOR SOLID CARBON DIOXIDE, ANHYDROUS AMMONIA, NITROGEN SOLUTION—NAMELY, A SOLUTION OF AMMONIUM NITRATE IN AMMONIUM LIQUOR AND AQUA AMMONIA.
Claims use since Aug. 30, 1947.

506,127. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ROBERT L. MCDONALD, doing business as Ever-Kleen Sales Co., San Diego, Calif. Filed Oct. 21, 1948, Serial No. 539,725.

EVER-KLEEN

FOR FELT LINED RECORD ENVELOPE FOR HOLDING PHONOGRAPH RECORD DISCS AND FOR CLEANING THE SAME.
Claims use since Oct. 5, 1947.

TRADE-MARK REGISTRATIONS RENEWED

68,634. WHITE LILY AND REPRESENTATION OF LILY. Registered Apr. 21, 1908. Dunlevy & Brother, Pittsburg, Pa. Re-renewed Apr. 21, 1948, to Hygrade Food Products Corporation, New York, N. Y., a corporation of New York. LARD. Class 46.

70,598. AUTOMATIC. Registered Sept. 15, 1908. Eagle Pencil Company. Re-renewed Sept. 15, 1948, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware. LEAD-PENCILS. Class 37.

70,814. BLANCO. Registered Oct. 6, 1908. Joseph Pickering & Sons, Limited, Sheffield, England, a British company. Re-renewed Oct. 6, 1948. A PREPARATION FOR WHITENING ALL ARTICLES OF BUFF OR BUCKSKIN LEATHER. Class 4.

71,816. GLAXO. Registered Dec. 15, 1908. Joseph Nathan & Co., Limited, London, England. Re-renewed Dec. 15, 1948, to Glaxo Laboratories Limited, Greenford, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. MILK FOOD FOR INFANTS AND INVALIDS. Class 46.

72,713. "UNCLE SAM" AND DESIGN. Registered Feb. 16, 1909. Leonardo Grasiadei. Re-renewed Feb. 16, 1949, to Yankee Polish Co. Inc., New York, N. Y., a corporation of New York. LEATHER DRESSING AND POLISHES. Class 4.

165,521. SULFARSÉNOL. Registered Mar. 13, 1923. Frederic Lehnhoff-Wyld. Renewed Mar. 13, 1943 (as provided by P. L. 517, July 17, 1946), to Societe des Marques des Laboratoires de Biochimie Medicale, Paris, France, a limited liability company organized under the laws of the Republic of France. PHARMACEUTICAL PRODUCTS APPERTAINING TO THE GROUP OF ARSENO-BENZENES AND OF THEIR DERIVATIVES, ETC. Class 6.

175,451. "J. T. P. F." AND DRAWING. Registered Nov. 6, 1923. La Société En Nom Collectif J. Thiries Pere & Fils. Renewed Nov. 6, 1943 (as provided by P. L. 517, July 17, 1946), to Societe a Responsibilite Limitee J. Thiries Pere & Fils & Cartier Bresson, Lille, France, a corporation organized under the laws of the Republic of France. SEWING THREAD. Class 43.

219,451. SMART SET. Registered Oct. 19, 1926. Magus Magazine Corporation. Renewed Oct. 19, 1946, to Hearst Consolidated Publications, Inc., New York, N. Y., a corporation of Delaware. MONTHLY MAGAZINE. Class 38.

221,807. INAVA. Registered Dec. 14, 1926. Compagnie Nationale de Matieres Colorantes & Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. Renewed Dec. 14, 1946, to Société Parisienne de Laboratoires, Paris, France, a corporation organized in accordance with the laws of France. POLYGENETIC AND POLYVALENT VACCINES COMPRISING VACCINES FOR THE TREATMENT OF BUCCAL INFECTIONS AND PYORRHEA, ETC. Class 6.

236,154. "CROW LINE" AND REPRESENTATION OF CROW AND ARROW. Registered Dec. 6, 1927. William J. Crowley, doing business as W. J. Crowley Co., Milwaukee, Wis. Renewed Dec. 6, 1947. CARBON PAPER AND TYPEWRITER RIBBONS. Class 11.

236,656. CLOVER RIDGE. Registered Dec. 20, 1927. Smith, Richardson & Conroy, Inc., Jacksonville, Fla. Renewed Dec. 20, 1947, to Smith, Richardson & Conroy, Inc., Miami, Fla., a corporation of Delaware. BUTTER. Class 46.

238,458. REPRESENTATION OF A HORSE AND ARROWS. Registered Feb. 7, 1928. Colt's Patent Fire Arms Manufacturing Co. Renewed Feb. 7, 1948, to Colt's Manufacturing Company, Hartford, Conn., a corporation of Connecticut. PACKING BEING COMMONLY SOLD IN THE FORM OF COMPRESSED SHEET PACKING, GASKETS AND WASHERS, ETC. Class 35.

239,384. FRIGIDINE. Registered Apr. 6, 1928. Townsend Manufacturing Company, Inc., New York, N. Y. Renewed Apr. 6, 1948, to The Nestle-LeMur Company, Meriden, Conn., a corporation of Ohio. PADS FOR USE IN THE PERMANENT WAVING OF HAIR, FOR HEATERS FOR USE IN PERMANENT HAIR WAVING. Class 44.

239,775. NATIONAL RACING PROGRAM. Registered Mar. 13, 1928. Racing Intelligence Corporation. Renewed Mar. 13, 1948, to National Racing Program, Inc., New York, N. Y., a corporation of New York. DAILY PERIODICAL. Class 38.

241,383. UNDERWOOD. Registered Mar. 24, 1928. Omaha Packing Company, Inc. Renewed Mar. 24, 1948, to Omaha Packing Company, Chicago, Ill., a corporation of Illinois. BUTTER, EGGS, CHEESE, PURE PORK SAUSAGE, AND FRANKFURTS. Class 46.

241,961. "VICKS VAPO RUB" ETC. AND DESIGN. Registered May 8, 1928. Vick Chemical Company, Philadelphia, Pa. Renewed May 8, 1948, to Vick Chemical Company, New York, N. Y., a corporation of Delaware. MEDICINAL SALVE FOR USE IN SUCH AILMENTS AS CROUP, COLDS, ETC. Class 6.

242,260. EUTHERME. Registered May 22, 1928. Therma Fabrik für elektrische Heizung A. G., Schwanden (Glarus), Switzerland, a corporation organized under the laws of Switzerland. Renewed May 22, 1948. ELECTRICAL HEATING AND COOKING APPARATUS CONSISTING OF FLATIRONS, HOT PLATES ETC. Class 21.

244,009. MACOMI. Registered July 3, 1928. Maltsyme Company, Inc., Long Island City, N. Y. Renewed July 3, 1948, to Malt-Diastase Company, Brooklyn, N. Y., a corporation of New York. FOOD PRODUCT IN GRANULAR AND FLAKED FORM CONTAINING NUTRITIVE ELEMENTS OF MALT, COCOA, AND MILK. Class 46.

246,258. SAVE-ARCH. Registered Sept. 4, 1928. The Stern-Auer Company, Cincinnati, Ohio. Renewed Sept. 4, 1948, to Roth, Rauh & Heckel, Inc., Ripley, Ohio, a corporation of Ohio. SHOES MADE OF LEATHER, CLOTH, OR RUBBER OR ANY COMBINATION THEREOF. Class 39.

246,778. "NORMA GAY" ETC. AND DESIGN. Registered Sept. 11, 1928. Gimbel Brothers, Inc., New York, N. Y., Philadelphia Pa., Milwaukee, Wis., and Pittsburgh, Pa. Renewed Sept. 11, 1948, to Gimbel Brothers, Inc., New York, N. Y., a corporation of New York. WOMEN'S SCARFS, WOMEN'S CAPES AND SHAWLS, WOMEN'S GOWNS, WOMEN'S DRESSES, ETC. Class 39.

247,346. "MARATHON OK MOTORS" AND CIRCULAR DESIGN. Registered Sept. 25, 1928. Marathon Electric Manufacturing Company. Renewed Sept. 25, 1948, to Marathon Electric Manufacturing Corporation, Wausau, Wis., a corporation of Wisconsin. ELECTRIC FANS, ELECTRIC MOTORS, ELECTRIC GENERATOR SETS, ELECTRIC POLISHING LATHES, AND ELECTRIC BUFFERS. Class 21.

247,396. HYGROLIT. Registered Sept. 25, 1928. Hygrolit Incorporated. Renewed Sept. 25, 1948, to Charles F. Dulken, Kearny, N. J. PREPARATION FOR THE TREATMENT OF TEXTILE FIBRES, PARTICULARLY FOR IMPROVING AND PRESERVING THE SAME. Class 6.

248,144. "CARDINAL" AND REPRESENTATION OF THE CARDINAL BIRD. Registered Oct. 16, 1928. Captiano Timber Co. Ltd., Vancouver, British Columbia, Canada, a corporation of British Columbia, Dominion of Canada. Renewed Oct. 16, 1948. SAWMILL PRODUCTS—NAMELY, SHINGLES, LUMBER, SIDING, MOULDING, FLOORING, BAND STICKS, AND LATH. Class 12.

248,338. RADIOMALT. Registered Oct. 16, 1928. The British Drug Houses, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 16, 1948. MEDICATED MALT PRODUCT FOR HUMAN USE. Class 6.

248,899. REPRESENTATION OF OIL DRUM LINED FOR BLUE AND RED. Registered Oct. 23, 1928. Standard Oil Company, Whiting, Ind., and Chicago, Ill., a corporation of Indiana. Renewed Oct. 23, 1948. LUBRICATING OILS. Class 15.

248,531. "HUBBUCK'S" ETC. AND CIRCULAR DESIGN. Registered Oct. 23, 1928. Thomas Hubbuck & Son Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 23, 1948. LINSEED OIL. Class 16.

249,273. RADIOSTOL. Registered Nov. 13, 1928. The British Drug Houses, Limited, London, England, a corporation organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Nov. 13, 1948. MEDICINAL PREPARATION CONTAINING VITAMIN D USED FOR THE TREATMENT OF RICKETS, AND ALL OTHER CONDITIONS ARISING FROM VITAMIN D DEFICIENCY. Class 6.

249,362. "RICHTONE" ETC. AND DESIGN. Registered Nov. 13, 1928. The Smith-Alsop Paint & Varnish Company, Terre Haute, Ind., a corporation of Indiana. Renewed Nov. 13, 1948. FLAT-FINISH PAINT FOR INSIDE WALLS. Class 16.

249,706. RADIANCE. Registered Nov. 20, 1928. Radiance Limited, Doncaster, Yorkshire, England, a limited liability company of Great Britain. Renewed Nov. 20, 1948. CHOCOLATE AND SWEETMEATS. Class 46.

250,914. VANBEENOL. Registered Dec. 18, 1928. W. J. Bush & Company Limited, London, England, a United Kingdom corporation. Renewed Dec. 18, 1948. SUBSTANCES USED AS FOOD OR AS INGREDIENTS OF FOOD—NAMELY, TABLE AND COOKING SYRUPS, ETC. Class 46.

251,736. ERMETO. Registered Jan. 15, 1929. Fabriques Movado, La Chaux-de-Fonds, Switzerland, a corporation organized under the laws of Switzerland. Renewed Jan. 15, 1949. WATCHES AND PARTS OF WATCHES. Class 27.

252,449. REPRESENTATION OF CUPID ON A LEAF. Registered Feb. 5, 1929. Elizabeth Arden, Inc. Renewed Feb. 5, 1949, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware. SKIN CREAM, SKIN TONIC, MUSCLE OIL, SKIN ASTRINGENT, SKIN LOTION, SKIN OINTMENT, ETC. Class 6.

252,728. "GUILD OPTICAL PRODUCTS" ETC. AND DESIGN. Registered Feb. 12, 1929. Louis H. Seadron, New York, N. Y. Renewed Feb. 12, 1949, to Guild of Prescription Opticians of America, Inc., Philadelphia, Pa., a corporation of Pennsylvania. OPTICAL INSTRUMENTS, LENSES, AND OPTICAL PRODUCTS, THAT IS, ROUGH LENS BLANKS, BIFOCAL BLANKS, BIFOCAL LENSES, ETC. Class 26.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 83,571. Registered Sept. 26, 1911. A. F. GALLUN & Sons, Milwaukee, Wis. Republished by A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware.

AZTEC

FOR VEGETABLE-TANNED LEATHER MADE OF CALF, KIP, AND CATTLE HIDES.
Claims use since July 1, 1898.

Reg. No. 83,572. Registered Sept. 26, 1911. A. F. GALLUN & Sons, Milwaukee, Wis. Republished by A. F. Gallun & Sons Corporation, Milwaukee, Wis., a corporation of Delaware.

DOMINO

FOR CHROME-TANNED LEATHER MADE OF CALF, KIP, AND CATTLE HIDES.
Claims use since Apr. 24, 1905.

Reg. No. 201,715. Registered Aug. 4, 1925. PEABODY LEATHER COMPANY, INC., Quakertown, Pa. Republished by McAdoo & Allen Welting Co., Quakertown, Pa., a corporation of Pennsylvania.

PELCO

FOR LEATHERS.
Claims use since January 1923.

Reg. No. 281,588. Registered Mar. 24, 1931. A. F. GALLUN & SONS CORPORATION, Milwaukee, Wis., a corporation of Delaware. Republished by registrant.

ESKIMO

FOR LEATHER.
Claims use since December 1924.

Reg. No. 285,045. Registered July 14, 1931. GENERAL COAL COMPANY, Cincinnati, Ohio, a corporation of Delaware. Republished by registrant, present address Philadelphia, Pa.

The words "Old Kentucky" are disclaimed apart from the mark as shown.
FOR COAL.
Claims use since July 1, 1930.

Reg. No. 294,750. Registered June 7, 1932. SEMET-SOLVAY COMPANY, New York, N. Y. Republished by Semet-Solvay Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SEMET-SOLVAY

The words "There is no Better Fuel Than" and "Coke" are disclaimed apart from the mark as shown.
FOR COKE.
Claims use since Nov. 2, 1931.

Reg. No. 296,844. Registered Aug. 23, 1932. STONEGA COKE & COAL COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

PREMIX
STOKER

The word "Stoker" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since Mar. 19, 1932.

Reg. No. 297,477. Registered Sept. 13, 1932. STONEGA COKE & COAL COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

DENDRON

FOR COAL.
Claims use since May 5, 1932.

Reg. No. 298,042. Registered Oct. 11, 1932. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn., a corporation of Connecticut. Republished by registrant, present address Shelton, Conn.

Rub-a-glo

FOR RUBBER SPONGES.
Claims use since on or about June 2, 1932.

Reg. No. 316,123. Registered Aug. 14, 1934. A. F. GALLUN & SONS CORPORATION, Milwaukee, Wis., a corporation of Delaware. Republished by registrant.

BAGUETTE

FOR LEATHER.
Claims use since Apr. 3, 1933.

Reg. No. 391,197. Registered Oct. 28, 1941. PRODUCERS' CROP IMPROVEMENT ASSOCIATION, Piper City, Ill., a corporation of Illinois. Republished by registrant.

The words "Producers' Certified Hybrids" and the representation of the map are disclaimed apart from the mark as shown. The drawing is lined for the colors red and blue.
FOR FIELD SEEDS AND HYBRID SEED CORN.
Claims use since December 1940.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 237,055. Registered Jan. 3, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

FOR ACCESSORIES FOR HARNESS AND SADDLERY OF ALL KINDS—NAMELY, BUCKLES, SPRING-LEVER BUCKLES, SLIDE BUCKLES, PATENT-LEVER BUCKLES, BUCKLES FOR WEB STRAPS, BUCKLES FOR SKI STRAPS, GROMMETS AND WASHERS, WEB STRAP TIPS, BELT BUCKLES, WITH ROLLING BAR, BELT BUCKLES WITH ADJUSTABLE CAM LEVER, REPAIR BUCKLES, QUICK-RELEASE BUCKLES, BUCKLE PARTS, BLANKET BUCKLES, TRACE BUCKLES, DOUBLE-GRIP-BUCKLE PARTS COMPRISING SCREW BAILS AND TONGUES, BRIDLE BUCKLES, CINCH BUCKLES, LEGGING BUCKLES, SHIELD REVERSE BUCKLES, TUG BUCKLES, BAGGAGE BUCKLES, REIN BUCKLES, SNAPS, BAG SNAPS, SWIVEL BAG SNAPS, BLANKET SNAPS, TRIGGER SNAPS, HUBBARD SNAPS, SWIVEL-EYE CHAIN SNAPS, LOOP SNAPS, BOLT SNAPS, SWIVEL-EYE SNAPS, OPEN-EYE SNAPS; HINGED-EYE BOLT SNAPS, DOUBLE BOLT SNAPS, SAFEGUARD SNAPS, SWIVEL-EYE SAFEGUARD SNAPS, HARNESS SNAPS, BIT, MUZZLE, AND BREECHING SNAPS; ROPE SNAPS, D RINGS AND CLASPS, TEAMSTER SNAPS; TEAMSTER SNAPS, RIGHTS AND LEFTS; CHOKE SNAPS, CHOKE SNAPS WITH SCREW AND ROLLER; CHOKE SNAPS, SWIVEL PATTERN WITH SCREW AND ROLLER; NECK-YOKE SNAPS WITHOUT ROLLER AND WITH LOOSE RIVET, BREAST-STRAP ROLLER SNAPS, SNAPS AND SLIDES, CHAIN SNAPS, BREAST-CHAIN SNAPS, BREAST-CHAIN SNAPS WITH OSCILLATING SLIDE, BREAST CHAINS AND SNAPS, HEEL CHAINS AND SNAPS, CHAIN-REPAIR LINKS, RINGS, RING TONGUES, D'S, POLE-STRAP D'S, BREECHING D'S, REPAIR D'S, CINCH RINGS AND D'S, CHEEK D'S; HARNESS LOOPS; HARNESS LOOPS, TWO FOLD; LOOPS, HITCH STRAP, SHAFT TUG, ETC.; LAYER LOOPS, TRACE LOOPS, SPREAD LOOPS, SQUARES, TUCK LOOPS, TERRETS, TERRETS AND HOOKS, COLLARS AND SOFT-PAD TERRETS, SAFETY CHECK HOOKS, PAD HOOKS, POST HOOKS, TURN-BACK HOOKS, EXPRESS HOOKS, PAD SCREWS, PAD-PLATE SCREWS, SELF-ADJUSTING TREES, GIG SADDLE TREES, PAD BRIDGES, BEARER LOOPS, BACK-BAND LOOPS, GIG SADDLE CLIPS AND D'S, GAG SWIVELS, METAL ORNAMENTS FOR SADDLERY AND HARNESS; HALTER HARDWARE COMPRISING HALTER BOLTS, SWIVELS, COMBINED LOOPS AND RINGS, ROPE CLAMPS AND RINGS, ROPE TIE ADJUSTERS, ROPE THIMBLES, ROPE HALTER SETS AND WEB HALTER TRIMMINGS, AND BRIDLE AND HALTER SQUARES; HAMES AND HAME TRIMMINGS AND ATTACHMENTS AND REPAIR PARTS COMPRISING HAMES, HAME BALLS, HAME FASTENERS, HAME TERRETS, HAME BOTTOM LOOPS, HAME-REPAIR CLIPS, HAME STAPLES, HAME LINE RINGS AND STUDS, HAME CLIPS, HAME ATTACHMENTS, HOOKS FOR HAMES, RATCHETS FOR HAMES, HAME TUG PLATES; COCKEYES, COCKEYE CLIPS, STEEL CLIPS, TRACE CLIPS, TOGGLES, JOINTED TRACE CONNECTERS, TRACE HOOKS, TUG HOOKS, HOOKS AND D'S, TRACE D'S, CLEVISES, TRACE SPLICES, BREECHING LOOPS, TRACE LOOPS, JOCKEY-STRAP LOOPS AND RINGS, TRACE SUPPORTERS, BREAST-STRAP SLIDES, BACKBAND HOOKS, TRACE CARRIERS, TRACE CARRIERS AND RUMP RINGS, BITS, SNAFFLES, REIN CHAINS, CURB CHAINS, SPURS, SPUR ROWELS, SPUR STRAPS, STIRRUPS, BUCKLE SHIELDS, COLLAR FASTENERS, HONDA OR LASSO RINGS, REIN BILLET STEELS, COLLAR STRAP SLIDES, REIN SLIDES, REIN OR SATCHEL HOOKS, HAMMOCK D'S; REIN HOLDERS, MANE COMBS, SADDLE TRIMMINGS, BUTTONS; BLANKET HARDWARE COMPRISING D'S, SLIDES, LOOPS, CATCHES, FRONT SETS, CLASPS, HOOK AND EYE; HANDY HARDWARE ASSORTMENT FOR REPAIRS; TRUNK AND BAG HARDWARE COMPRISING BUCKLES, HANDLE LOOPS, WARDROBE-TRUNK DRAWER PULLS, SHAWL-STRAP HANDLES, AND D'S; DOG-COLLAR TRIMMINGS COMPRISING BUCKLES AND NAME PLATES; LEAD-REIN HOLDERS, DOUBLE EYE AND LOOP, STUD HOOKS, STIRRUP-STRAP LOOPS, BREAST-STRAP HOOKS, SIDE AND BACK STRAP HOOKS, SIDE LINE FASTENERS, LARIAT HOOK LINK AND THIMBLE; SLIDING KEEPERS FOR STRAP ENDS, CLIPS FOR STRAP ENDS, FASTENERS FOR APPLICATION TO STRAP ENDS, END HOOKS, SLING LOOPS, DOUBLE HOOKS, CHOKE STAPLES AND PLATES, AND KNAPSACK HARDWARE.
Claims use since Sept. 8, 1878.

Reg. No. 237,056. Registered Jan. 3, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

ANCHOR
BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR ACCESSORIES FOR HARNESS AND SADDLERY OF ALL KINDS—NAMELY, BUCKLES, SPRING-LEVER BUCKLES, SLIDE BUCKLES, PATENT-LEVER BUCKLES, BUCKLES FOR WEB STRAPS, BUCKLES FOR SKI STRAPS, GROMMETS AND WASHERS, WEB-STRAP TIPS, BELT BUCKLES WITH ROLLING BAR, BELT BUCKLES WITH ADJUSTABLE CAM LEVER, REPAIR BUCKLES, QUICK-RELEASE BUCKLES, BUCKLE PARTS, BLANKET BUCKLES, TRACE BUCKLES, DOUBLE-GRIP-BUCKLE PARTS COMPRISING SCREW BAILS AND TONGUES, BRIDLE BUCKLES, CINCH BUCKLES, LEGGING BUCKLES, SHIELD REVERSE BUCKLES, TUG BUCKLES, BAGGAGE BUCKLES, REIN BUCKLES, SNAPS, BAG SNAPS, SWIVEL BAG SNAPS, BLANKET SNAPS, TRIGGER SNAPS, HUBBARD SNAPS, SWIVEL-EYE CHAIN SNAPS, LOOP SNAPS, BOLT SNAPS, SWIVEL-EYE SNAPS, OPEN-EYE BOLT SNAPS, HINGED-EYE BOLT SNAPS, DOUBLE BOLT SNAPS, SAFEGUARD SNAPS, SWIVEL-EYE SAFEGUARD SNAPS, HARNESS SNAPS, BIT, MUZZLE, AND BREECHING SNAPS; ROPE SNAPS, D RINGS AND CLASPS, TEAMSTER SNAPS; TEAMSTER SNAPS, RIGHTS AND LEFTS; CHOKE SNAPS, CHOKE SNAPS WITH SCREW AND ROLLER; CHOKE SNAPS, SWIVEL PATTERN WITH SCREW AND ROLLER, NECK-YOKE SNAPS WITHOUT ROLLER AND WITH LOOSE RIVET, BREAST-STRAP ROLLER SNAPS, SNAPS AND SLIDES, CHAIN SNAPS, BREAST-CHAIN SNAPS, BREAST-CHAIN SNAPS WITH OSCILLATING SLIDE, BREAST CHAINS WITH SNAPS, HEEL CHAINS AND SNAPS,

CHAIN-REPAIR LINKS, RINGS, RING TONGUES, D'S, POLE-STRAP D'S, BREECHING D'S, REPAIR D'S, CINCH RINGS AND D'S, CHEEK D'S, HARNESS LOOPS; HARNESS LOOPS, TWO FOLD; LOOPS, HITCH STRAP, SHAFT TUG, ETC.; LAYER LOOPS, TRACE LOOPS, SPREAD LOOPS, SQUARES, TUCK LOOPS, TERRETS, TERRETS AND HOOKS, COLLARS AND SOFT-PAD TERRETS, SAFETY CHECK HOOKS, PAD HOOKS, POST HOOKS, TURN-BACK HOOKS, EXPRESS HOOKS, PAD SCREWS, PAD-PLATE SCREWS, SELF-ADJUSTING TREES, GIG SADDLE TREES, PAD BRIDGES, BEARER LOOPS, BACK-BAND LOOPS, GIG SADDLE CLIPS AND D'S, GAG SWIVELS, METAL ORNAMENTS FOR SADDLERY AND HARNESS; HALTER HARDWARE COMPRISING HALTER BOLTS, SWIVELS, COMBINED LOOPS AND RINGS, ROPE CLAMPS AND RINGS, ROPE TIE ADJUSTERS, ROPE THIMBLES, ROPE HALTER SETS, AND WEB HALTER TRIMMINGS, AND BRIDLE AND HALTER SQUARES; HAMES AND HAME TRIMMINGS AND ATTACHMENTS AND REPAIR PARTS COMPRISING HAMES, HAME BALLS, HAME FASTENERS, HAME TERRETS, HAME BOTTOM LOOPS, HAME-REPAIR CLIPS, HAME STAPLES, HAME LINE RINGS AND STUDS, HAME CLIPS, HAME ATTACHMENTS, HOOKS FOR HAMES, RATCHETS FOR HAMES, HAME TUG PLATES; COCKEYES, COCKEYE CLIPS, STEEL CLIPS, TRACE CLIPS, TOGGLES, JOINTED TRACE CONNECTERS, TRACE HOOKS, TUG HOOKS, HOOKS AND D'S, TRACE D'S, CLEVISES, TRACE SPLICES, BREECHING LOOPS, TRACE LOOPS, JOCKEY-STRAP LOOPS AND RINGS, TRACE SUPPORTERS, BREAST-STRAP SLIDES, BACK-BAND HOOKS, TRACE CARRIERS, TRACE CARRIERS AND RUMP RINGS, BITS, SNAFFLES, REIN CHAINS, CURB CHAINS, SPURS, SPUR ROWELS, SPUR STRAPS, STIRRUPS, BUCKLE SHIELDS, COLLAR FASTENERS, HONDA OR LASSO RINGS, REIN BILLET STEELS, COLLAR-STRAP SLIDES, REIN SLIDES, REIN OR SATCHEL HOOKS, HAMMOCK D'S, REIN HOLDERS, MANE COMBS, SADDLE TRIMMINGS, BUTTONS; BLANKET HARDWARE COMPRISING D'S, SLIDES, LOOPS, CATCHES, FRONT SETS, CLASPS, HOOK AND EYE; HANDY HARDWARE ASSORTMENT FOR REPAIRS; TRUNK AND BAG HARDWARE COMPRISING BUCKLES, WARDROBE-TRUNK DRAWER PULLS, HANDLE LOOPS, SHAWL-STRAP HANDLES, AND D'S; DOG-COLLAR TRIMMINGS COMPRISING BUCKLES AND NAME PLATES, LEAD-REIN HOLDERS, DOUBLE EYE AND LOOP, STUD HOOKS, STIRRUP-STRAP LOOPS, BREAST-STRAPHOOKS, SIDE AND BACK STRAP HOOKS, SIDE LINE FASTENERS, LARIAT HOOK LINK AND THIMBLE, SLIDING KEEPERS FOR STRAP ENDS, CLIPS FOR STRAP ENDS, FASTENERS FOR APPLICATION TO STRAP ENDS; END HOOKS, SLING LOOPS, DOUBLE HOOKS, CHOKE STAPLES AND PLATES, AND KNAPSACK HARDWARE.
Claims use since Sept. 6, 1878.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 189,925. Registered Sept. 30, 1924. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SUPER CLEANSER

The word "Cleanser" is disclaimed apart from the mark as shown.
FOR CHEMICAL CLEANSING AND WASHING COMPOUNDS.
Claims use since Nov. 27, 1922.

Reg. No. 193,830. Registered Jan. 6, 1925. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SUPER-ALKALI

The word "Alkali" is disclaimed apart from the mark as shown.
FOR CLEANSING AND WASHING COMPOUNDS.
Claims use since Jan. 16, 1922.

Reg. No. 216,267. Registered Aug. 10, 1926. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SNOW FLAKE

FOR CLEANSING PREPARATION USED EITHER AS A SUBSTITUTE FOR OR IN CONNECTION WITH SOAPS OR WASHING POWDERS.
Claims use since March 1894.

Reg. No. 251,982. Registered Jan. 22, 1929. EMERGENCY LABORATORIES, New York, N. Y. Republished by Block Drug Company, Inc., Jersey City, N. J., a corporation of New Jersey.

POSLAM

FOR SOAP.
Claims use since September 1910.

Reg. No. 267,770. Registered Feb. 25, 1930. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SOLVAY

FOR PREPARATIONS USED AS CLEANSING AGENTS, PARTICULARLY FOR CLEANING METALS AND GLASS, FOR SCOURING TEXTILE MATERIALS, AND FOR LAUNDRY AND HOUSEHOLD CLEANSING.
Claims use since Jan. 31, 1884.

Reg. No. 273,181. Registered July 22, 1930. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

FOR ALKALI AND ALKALI-CARBONATE CLEANSING PREPARATIONS, PARTICULARLY FOR CLEANSING METALS AND GLASS AND FOR SCOURING TEXTILE MATERIALS.
Claims use since Jan. 10, 1884.

Reg. No. 288,094. Registered Oct. 20, 1930. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SUPER DETERGENT

The word "Detergent" is disclaimed apart from the mark as shown in the drawing.
FOR CLEANSING AND SCOURING COMPOUND.
Claims use since Sept. 29, 1930.

Reg. No. 288,151. Registered Oct. 20, 1931. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

No. 300

FOR PREPARATIONS USED AS CLEANSING AGENTS FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANSING PURPOSES.
Claims use since Apr. 20, 1930.

Reg. No. 288,152. Registered Oct. 20, 1931. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

No. 400

FOR PREPARATIONS USED AS CLEANSING AGENTS FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANSING PURPOSES.
Claims use since July 1926.

Reg. No. 292,468. Registered Mar. 15, 1932. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

FOR CLEANSING AND SCOURING COMPOUND AND FOR A CLEANING COMPOUND FOR REMOVING CASEIN AND MILKSTONE, PARTICULARLY FOR USE IN DAIRIES AND CREAMERIES.
Claims use since Jan. 1, 1927.

Reg. No. 293,169. Registered Apr. 12, 1932. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

DOMINION

FOR PREPARATION USED AS CLEANSING AGENT, PARTICULARLY FOR CLEANING GLASS, FLOORS, DISHES, METAL ARTICLES, TEXTILE MATERIALS, AND THE LIKE; AND FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING PURPOSES ESPECIALLY IN DAIRIES, CREAMERIES, FACTORIES, HOTELS, RESTAURANTS, OFFICE BUILDINGS, HOSPITALS, BOTTLING PLANTS, LAUNDRIES, AND THE LIKE.
Claims use since July 1926.

Reg. No. 308,350. Registered Dec. 5, 1933. EASSON SOAP, INC., Portland, Oreg. Republished by Nu Bora Soap Company, Inc., Portland, Oreg., a corporation of Oregon.

NU BORA

FOR SOAP.
Claims use since Nov. 1, 1932.

Reg. No. 376,950. Registered Apr. 9, 1940. THE SOLVAY PROCESS COMPANY, New York, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SUPERBILD

FOR CHEMICAL PREPARATION FOR USE AS A CLEANSING COMPOUND, PARTICULARLY FOR CLEANSING METALS AND GLASS AND FOR GENERAL INDUSTRIAL AND LAUNDRY PURPOSES.
Claims use since Sept. 28, 1939.

Reg. No. 407,215. Registered May 23, 1944. THE MATCHLESS METAL POLISH CO., Chicago, Ill., and Glen Ridge, N. J., a corporation of Illinois. Republished by registrant.

M.M. P.CO.

TRADE —X— MARK

CHICAGO GLEN RIDGE

The words "Trade-Mark," "Chicago," and "Glen Ridge" are disclaimed apart from the mark as shown.

FOR BUFFING AND POLISHING COMPOSITIONS USED ON METAL, GLASS, PLASTICS, ENAMEL, AND OTHER HARD SURFACES.

Claims use since January 1892.

CLASS 5

ADHESIVES

Reg. No. 191,504. Registered Nov. 11, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

BLAKE, MOFFITT & TOWNE

PAPER

The word "Paper" is disclaimed apart from the mark as shown.

FOR PRINTING PAPER, CORRUGATED PAPER, BOND PAPER, BOOK PAPER, WRITING PAPER, MIMEOGRAPH PAPER, LEDGER PAPER, BLOTTING PAPER, COVER PAPER, ENVELOPES, CARDBOARD, GUMMED PAPER, WAX PAPER, TISSUE PAPER, ADDING MACHINE PAPER EITHER IN SHEETS OR ROLLS, PAPER NAPKINS, PAPER TOWELS, TOILET PAPER, CREPE PAPER, AND PAPER SEALING TAPE.

Claims use since about Feb. 15, 1901.

Reg. No. 198,672. Registered May 26, 1925. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SEAL BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR SILICATE OF SODA FOR ADHESIVE PURPOSES.

Claims use since Sept. 1, 1924.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 67,880. Registered Feb. 25, 1908. STRAWSONS, London, England. Republished by The Strawson Chemical Co., Limited, London, England, a United Kingdom corporation.

VAPORITE

FOR INSECTICIDES.

Claims use since Apr. 7, 1903.

Reg. No. 88,968. Registered Oct. 29, 1912. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

FOR SODA ASH, CRYSTALS OF SODA, CAUSTIC SODA, MONOHYDRATE CRYSTALS, AND CALCIUM CHLORID.

Claims use since Jan. 10, 1884.

Reg. No. 99,030. Registered Aug. 11, 1914. JAMES T. WELLINGTON, Norwood, Mass. Republished by Wellington & Company, Inc., Norwood, Mass., a corporation of Massachusetts.

HERBLAX

FOR LAXATIVE PREPARATION.

Claims use since May 1, 1908.

Reg. No. 129,312. Registered Feb. 10, 1920. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SOLVAY

FOR SODA ASH, CRYSTALS OF SODA, CAUSTIC SODA, MONOHYDRATE CRYSTALS, AND CALCIUM CHLORID.

Claims use since Jan. 31, 1884.

Reg. No. 168,395. Registered May 22, 1923. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SNOW FLAKE

FOR SESQUICARBONATE OF SODA.

Claims use since March 1894.

Reg. No. 170,193. Registered July 10, 1923. ALFRED J. KRANK, St. Paul, Minn. Republished by Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware.

FIX-A-GLOSS

FOR HAIR DRESSING AND DANDRUFF REMEDY.

Claims use since Nov. 23, 1922.

Reg. No. 201,133. Registered July 21, 1925. J. B. ROSENFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Republished by An-Fo Manufacturing Co., Oakland, Calif., a partnership.

FLY-FOIL

FOR FLY SPRAY AND INSECTICIDE.

Claims use since Oct. 15, 1924.

Reg. No. 203,065. Registered Sept. 8, 1925. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SNOW FLAKE

FOR CHEMICAL PREPARATION RECOMMENDED FOR CLEANSING, BLEACHING, AND SOFTENING OF HARD WATER.

Claims use since March 1894.

Reg. No. 232,650. Registered Sept. 13, 1927. THE C. CALLAHAN COMPANY, La Fayette, Ind., a corporation of Indiana. Republished by registrant.

MONEY-BACK

FOR AMMONIA, BAKING SODA, BAKING POWDER, BLUING, LAUNDRY STARCH, AND LYE.

Claims use since May 1, 1905.

Reg. No. 240,830. Registered Nov. 20, 1928. MARSWELL, INCORPORATED, Wantagh, N. Y. Republished by Plexo Preparations, Inc., New York, N. Y., a corporation of New York.

Myraphen

FOR PREPARATION FOR USE IN THE TREATMENT OF HEADACHE, BACKACHE, AND TOOTHACHE.

Claims use since June 16, 1928.

Reg. No. 288,309. Registered Oct. 27, 1931. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

FOR CHEMICAL PREPARATION FOR USE AS A CREAM NEUTRALIZER.

Claims use since Apr. 18, 1930.

Reg. No. 289,052. Registered Nov. 17, 1931. THE SOLVAY PROCESS COMPANY, Syracuse, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SOLVAY

FOR CHEMICAL PREPARATION FOR USE AS A CREAM NEUTRALIZER.

Claims use since Apr. 18, 1930.

Reg. No. 306,737. Registered Sept. 26, 1933. U. S. PHOSPHORIC PRODUCTS CORPORATION, New York, N. Y. Republished by Tennessee Corporation, New York, N. Y., and Atlanta, Ga., a corporation of New York.

WHITE BAND

FOR INSECTICIDES.

Claims use since Apr. 8, 1933.

Reg. No. 324,724. Registered May 28, 1935. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

FISHERS

FOR ORANGE BITTERS.

Claims use since about March 1877.

Reg. No. 370,452. Registered Aug. 29, 1939. THE SOLVAY PROCESS COMPANY, New York, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

Para-Baco

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Dec. 6, 1938.

Reg. No. 370,453. Registered Aug. 29, 1939. THE SOLVAY PROCESS COMPANY, New York, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

The expression "Para" per se is disclaimed.
FOR INSECTICIDES AND FUNGICIDES.
Claims use since Dec. 6, 1938.

Reg. No. 375,563. Registered Feb. 20, 1940. THE SOLVAY PROCESS COMPANY, New York, N. Y. Republished by The Solvay Process Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

ANCHOR BRAND

The word "Brand" is disclaimed per se.
FOR CAUSTIC SODA.
Claims use since April 1923.

Reg. No. 403,023. Registered Aug. 31, 1943. PRINTING ARTS RESEARCH LABORATORIES, INC., Santa Barbara, Calif., a corporation of Delaware. Republished by registrant.

FLUOROGRAPHIC

No claim is made to the mark for goods involving fluorography.

FOR CHEMICAL PREPARATIONS FOR INCORPORATION INTO, OR APPLICATION TO, AN ARTIST'S DRAWING ON PAPER TO RENDER THE WORK AREAS OF THE DRAWING ABSORBENT OF ULTRAVIOLET LIGHT WHEREBY TO ADAPT THE DRAWING FOR REPRODUCTION BY A PHOTOENGRAVING PROCESS WHEREIN THE HIGHLIGHT AREAS ON THE NEGATIVE ARE CLEARED OF SCREEN PATTERN BY EXPOSURE TO ULTRAVIOLET LIGHT REFLECTED BY THE NON-WORK AREAS OF THE DRAWING, SAID PREPARATIONS BEING IN THE FOLLOWING FORMS: (a) A LIQUID PREPARATION (DEVOID OF ANY FLUORINE OR FLUORINE COMPOUND), CONTAINING ULTRAVIOLET LIGHT ABSORBENT MATERIAL, TO BE MIXED WITH A PIGMENT TO FORM AN ARTIST'S WASH FOR MAKING THE PAPER DRAWING TO BE REPRODUCED; (b) A SOLID PREPARATION (DEVOID OF ANY FLUORINE OR FLUORINE COMPOUND) IN CRAYON OR PENCIL FORM, CONTAINING AN ARTIST'S PIGMENTING MATERIAL AND ULTRAVIOLET LIGHT ABSORBENT MATERIAL, FOR MAKING THE PAPER DRAWING TO BE REPRODUCED; AND (c) A LIQUID PREPARATION (DEVOID OF ANY FLUORINE OR FLUORINE COMPOUND), COMPRISING A SOLVENT FOR ULTRAVIOLET LIGHT ABSORBENT MATERIAL, FOR APPLICATION TO THE PAPER DRAWING TO BE REPRODUCED.
Claims use since Feb. 1, 1939.

Reg. No. 410,079. Registered Nov. 7, 1944. KATZ DRUG COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

FOR ASPIRIN, IRON AND YEAST, MEDICINAL MINERAL OIL, COD LIVER OIL, MILK OF MAGNESIA, ANALGESIC BALM, AND ZINC OXIDE OINTMENT.
Claims use since Mar. 1, 1944.

Reg. No. 422,017. Registered June 25, 1946. JERRY C. TOTZKA, doing business as Drug Industries Co., Detroit, Mich. Republished by registrant.

AL-VITE

FOR VITAMIN CAPSULES.
Claims use since Jan. 1, 1944.

Reg. No. 428,678. Registered Apr. 1, 1947. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

FEEDRI

The capitalized "F" and "D" and the word "DRI" are disclaimed apart from the mark as shown.
FOR VITAMIN CONCENTRATE TO BE INCORPORATED IN POULTRY AND LIVESTOCK FEED.
Claims use since Sept. 9, 1941.

Reg. No. 434,925. Registered Dec. 9, 1947. THOMPSON CHEMICAL COMPANY, Pawtucket, R. I., a copartnership. Republished by registrant.

FOR MATERIALS FOR COLORING LOW SPOTS ON BALLS OR ROLLERS OF BEARINGS AS A GUIDE FOR GRINDING—NAMELY, BEARING BLUE.
Claims use since Oct. 31, 1924.

CLASS 7

CORDAGE

Reg. No. 384,335. Registered Jan. 14, 1941. WESTERN (ILLINOIS) VENETIAN BLIND COMPANY, Chicago, Ill. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of Delaware.

WESTERNGRADE

FOR VENETIAN BLINDS, INCLUDING PARTS AND REPLACEMENTS THEREFOR, SPECIFICALLY LUMBER SECTIONS, HARDWARE, CORDS, AND TAPES.
Claims use since about Feb. 15, 1939.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 242,120. Registered May 15, 1928. SAFETY MINING COMPANY, Chicago, Ill. Republished by Cardox Corporation, Chicago, Ill., a corporation of Illinois.

CARDOX

FOR EXPLOSIVES.
Claims use since Nov. 19, 1927.

CLASS 10

FERTILIZERS

Reg. No. 396,471. Registered July 21, 1942. PLANTERS COTTON OIL & FERTILIZER CO., Rocky Mount, N. C., a corporation of Delaware. Republished by registrant.

PLANTERS "Controlled" FERTILIZERS

The words "Planters" and "Fertilizers" are disclaimed apart from the mark as shown.
FOR FERTILIZERS.
Claims use since Mar. 1, 1934.

CLASS 11

INKS AND INKING MATERIALS

Reg. No. 327,698. Registered Sept. 3, 1935. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

PERMANSA

FOR INK PIGMENTS, PRINTING INKS, AND LITHOGRAPHING INKS.
Claims use since Aug. 24, 1933.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 252,059. Registered Jan. 22, 1929. E. D. CODDINGTON MANUFACTURING COMPANY, North Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Cedartex

FOR PLASTER.
Claims use since on or about Feb. 1, 1926.

Reg. No. 302,732. Registered Apr. 25, 1933. FARLEY & LOETSCHER MANUFACTURING COMPANY, Dubuque, Iowa, a corporation of Iowa. Republished by registrant.

FARLITE

FOR DOORS, STRUCTURAL PANELS, PANEL STOCK, MOLDINGS, BUILDING TRIM, VENEERING; VENEERED STOCK IN SHEET, BOARD, AND STICK FORM; LUMBER IN SHEET, BOARD, AND STICK FORM, INCLUDING NATURAL, ARTIFICIAL, AND COMPOUND LUMBER; SUCH PRODUCTS BEING USUALLY TREATED WITH OR CONSTRUCTED WITH A SYNTHETIC RESIN CONDENSATION PRODUCT.
Claims use since Sept. 6, 1932.

Reg. No. 395,849. Registered June 16, 1942. META-FOLD AWNING COMPANY, Bluffton, Ohio. Republished by The Acklin Stamping Company, Toledo, Ohio, a corporation of Ohio.

Meta-Fold

The word "Fold" is disclaimed apart from the mark as shown.
FOR METAL AWNINGS.
Claims use since July 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 27,975. Registered Mar. 17, 1896. LOUIS SACKS, Newark, N. J. Republished by Sacks-Barlow Foundries, Inc., Newark, N. J., a corporation of New Jersey.

The word "Boston" or other name indicating a special brand of heel-plate and such additional printed matter are disclaimed apart from the mark as shown.
FOR HEEL-PLATES FOR BOOTS OR SHOES.
Claims use since Jan. 1, 1891.

Reg. No. 56,506. Registered Oct. 2, 1906. LOUIS SACKS, Newark, N. J. Republished by Sacks-Barlow Foundries, Inc., Newark, N. J., a corporation of New Jersey.

STAR

FOR HEEL PLATES FOR BOOTS AND SHOES.
Claims use since Sept. 20, 1886.

Reg. No. 384,335. Registered Jan. 14, 1941. WESTERN (ILLINOIS) VENETIAN BLIND COMPANY, Chicago, Ill. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of Delaware.

WESTERNGRADE

FOR VENETIAN BLINDS, INCLUDING PARTS AND REPLACEMENTS THEREFOR, SPECIFICALLY LUMBER SECTIONS, HARDWARE, CORDS, AND TAPES.
Claims use since about Feb. 15, 1939.

Reg. No. 432,221. Registered Aug. 26, 1947. HOUSTON OIL FIELD MATERIAL COMPANY, INC., Houston, Tex., a corporation of Delaware. Republished by registrant.

HOMCO

FOR STEEL FITTINGS—NAMELY, NIPPLES, BULL PLUGS, T's, ELBOWS, CROSSES, OIL WELL VALVES.
Claims use since on or about June 1, 1945.

CLASS 15

OILS AND GREASES

Reg. No. 312,707. Registered May 8, 1934. STANDARD OIL CO., Louisville, Ky., a corporation of Kentucky. Republished by registrant.

NO. 5

FOR CYLINDER OIL.
Claims use since 1901.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 118,009. Registered Aug. 14, 1917. THE DUQUESNE PAINT COMPANY, Pittsburgh, Pa. Republished by W. W. Lawrence & Company, Pittsburgh, Pa., a corporation of Pennsylvania.

DU-KANE

FOR READY-MIXED AND PASTE PAINT.
Claims use since Mar. 7, 1917.

Reg. No. 198,680. Registered May 26, 1925. GOLDEN STAR POLISH MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

GOLDEN STAR

FOR POLISH INCIDENTALLY POSSESSING CLEANING PROPERTIES FOR FURNITURE, PIANOS, SEWING MACHINES, CARRIAGES, AND AUTOMOBILE BODIES.
Claims use since Jan. 1, 1901.

Reg. No. 261,568. Registered Sept. 17, 1929. VALENTINE & COMPANY, New York, N. Y. Republished by Valentine & Company, Inc., New York, N. Y., a corporation of Delaware.

The drawing is lined to indicate the colors brown, yellow, red, green, and blue which are claimed as features of the mark. The representation of the label is disclaimed apart from the mark as shown.
FOR READY-MIXED PAINTS.
Claims use since Jan. 30, 1929.

Reg. No. 328,647. Registered Apr. 23, 1935. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

SOLFAST

FOR PAINTS (READY MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, VARNISHES, STAINS, AND PAINT, ENAMEL, VARNISH, AND LACQUER FILLERS.
Claims use since Dec. 6, 1934.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 80,061. Registered Nov. 1, 1910. KUHNELS & STERIFF, New York, N. Y., and Manila, P. I. Republished by Alhambra Cigar & Cigarette Manufacturing Company, Manila, P. I., a corporation of the Republic of the Philippines.

ALHAMBRA

FOR CIGARS AND CIGARETTES.
Claims use since Feb. 1, 1910.

Reg. No. 266,615. Registered Jan. 28, 1930. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

FOR CIGARS, CIGARETTES, AND SMOKING TOBACCO.
Claims use since Oct. 8, 1918.

Reg. No. 303,036. Registered May 9, 1933. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

MONTICELLO

FOR CIGARS, SMOKING TOBACCO, AND CIGARETTES.
Claims use since Oct. 28, 1929.

Reg. No. 435,331. Registered Dec. 16, 1947. W. P. ALLEN, doing business as Irvin S. Cobb Cigar Co., Paducah, Ky. Republished by registrant.

IRVIN S. COBB

FOR CIGARS.
Claims use since at least as early as 1916.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 180,349. Registered Feb. 26, 1924. THE LOUIS ALLIS COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

L-A

FOR ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS, AND COMPENSATORS.
Claims use since about Sept. 1, 1922.

Reg. No. 183,269. Registered Apr. 29, 1924. THE LOUIS ALLIS COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

FOR ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS, AND COMPENSATORS.
Claims use since about Sept. 1, 1922.

Reg. No. 191,628. Registered Nov. 11, 1924. THE LOUIS ALLIS COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

MARK OF ALLIS EXCELLENCE

The words "Mark of Allis Excellence" are disclaimed apart from the mark as shown.
FOR ELECTRIC MOTORS, GENERATORS, ROTARY CONVERTERS, INVERTED ROTARIES, FREQUENCY CHANGERS, CONTROLLERS, AND COMPENSATORS.
Claims use since about Feb. 1, 1924.

Reg. No. 392,800. Registered Jan. 13, 1942. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich., a corporation of West Virginia. Republished by registrant.

Clampmatic

FOR CONTACTS FOR ELECTRICAL SWITCHES.
Claims use since on or about July 20, 1941.

Reg. No. 401,580. Registered May 25, 1943. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

ELKONIUM

FOR ELECTRIC CONTACTS.
Claims use since February 1929.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 355,751. Registered Mar. 29, 1938. LESTER M. DAVIS, Tacoma, Wash. Republished by registrant.

FLEX-I-TROLL

FOR TROLLING SPINNERS.
Claims use since Feb. 1, 1936.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 64,334. Registered Aug. 6, 1907. E. C. ATKINS AND COMPANY, Indianapolis, Ind., New York, N. Y., and elsewhere, a corporation of Indiana. Republished by registrant, present address Indianapolis, Ind.

EXCELSIOR

FOR TOOLS FOR FITTING SAWS.
Claims use since prior to Jan. 1, 1888.

Reg. No. 215,404. Registered July 20, 1926. AMERICAN ROAD MACHINERY COMPANY, INC., Kennett Square, Pa. Republished by Good Roads Machinery Corporation, Kennett Square, Pa., a corporation of Pennsylvania.

CLIMAX

FOR ROAD-GRADING MACHINES, ROCK CRUSHERS, ELEVATORS, CONVEYERS, SCREENS, AND STONE BINS.
Claims use since on or about Jan. 1, 1888.

Reg. No. 230,153. Registered July 12, 1927. E. C. ATKINS AND COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

COLUMBIAN CAST STEEL WARRANTED COLUMBIAN SAW WORKS

FOR CIRCULAR SAWS OF ALL KINDS, BAND SAWS OF ALL KINDS, RIP AND PANEL SAWS, CROSSCUT SAWS, WOOD (BULK) SAWS, DRAG-SAWS, MACHINE KNIVES OF ALL KINDS, SHEAR BLADES FOR CUTTING METALS, CIRCULAR KNIVES, CORN KNIVES, CANE KNIVES, SCRAPER BLADES OF ALL KINDS, AND TROWELS.
Claims use since on or about July 1894.

Reg. No. 245,978. Registered Aug. 28, 1928. FARREL-BIRMINGHAM COMPANY, INCORPORATED, Ansonia, and Derby, Conn., and Buffalo, N. Y., a corporation of Connecticut. Republished by registrant.

BIRMINGHAM

FOR ROLLING MILLS, CHILLED-IRON ROLLS, GRAY-IRON ROLLS, CINDER GRINDERS, TIN-FOIL MACHINES, ASBESTOS MIXERS, ASBESTOS SHEETERS, HYDRAULIC ACCUMULATORS, BALANCE WHEELS, ROPE WHEELS, SHAFT COUPLINGS, SHAFTING, ROLL GRINDERS, BOARD CALENDERS, GEAR WHEELS, GEAR REDUCTIONS, HYDRAULIC RUBBER PRESSES, HOSE-MAKING MACHINES, SLAB MOLDS, RUBBER CALENDERS, RUBBER MIXERS, RUBBER GRINDERS, RUBBER REFINERS, RUBBER CRACKERS, WASHERS FOR CRUDE RUBBER AND SIMILAR MATERIALS, RUBBER-DOUBLING MACHINES, PHONOGRAPH-RECORD-BLANKING MILLS, PLATENS FOR RUBBER PRESSES, BELT PRESSES, MATTING PRESSES, HEEL PRESSES, TILING PRESSES; STEAM TABLES FOR HEATING RUBBER, RUBBER MOLDS, ETC.; EMBOSSING CALENDERS, LINOLEUM CALENDERS, LINOLEUM GRINDERS, LINOLEUM SCRATCHERS, CELLULOID GRINDERS, CELLULOID PRESSES, METAL CUTTING AND SLITTING MACHINES.
Claims use since 1891.

Reg. No. 248,759. Registered Oct. 30, 1928. THE BILLINGS & SPENCER COMPANY, Hartford, Conn. Republished by The Billings & Spencer Company (1928), Hartford, Conn., a corporation of Connecticut.

LIFE-TIME

FOR HAND TOOLS—NAMELY, WRENCHES, CHISELS, SCREW DRIVERS, PLIERS, AND HAMMERS.
Claims use since Apr. 1, 1926.

Reg. No. 299,803. Registered Nov. 29, 1932. RAPID ROLLER CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

The representation of the printer's roller is disclaimed separate and apart from the combination in mark as shown.
FOR PRINTERS' ROLLERS, COMPOSITION COATED ROLLERS, OFFSET AND LITHOGRAPH ROLLERS, ROTOGRAVURE ROLLERS, AND RUBBER ROLLERS.
Claims use since July 1918.

Reg. No. 362,136. Registered Nov. 15, 1938. L. O. BEARD TOOL COMPANY, Lancaster, Pa., a corporation of Pennsylvania. Republished by registrant.

BEARD

FOR REAMERS, PISTONS, PISTON PINS, VALVE GRINDERS, REAMER DRIVE MACHINES, RIDGE REAMERS, AXLE, WHEEL, AND BEARING PULLERS, PISTON PIN REMOVERS, REAMER AND BUSHING DRIVERS, AND VALVE RESEATING TOOLS.
Claims use since June 1, 1921.

Reg. No. 422,194. Registered July 9, 1946. EDWARD S. FIELDS, Morgantown, W. Va. Republished by registrant.

Buddy

FOR MINE OR TIMBER JACKS.
Claims use since Aug. 7, 1945.

Reg. No. 428,094. Registered Mar. 11, 1947. HOUSTON OIL FIELD MATERIAL COMPANY, INC., Houston, Tex., a corporation of Delaware. Republished by registrant.

HOMCO

FOR OIL WELL TOOLS AND PARTS THEREOF—NAMELY, CUTTERS AND CUTTING KNIVES, SUBS, BITS, SWAGES, SPEARS, OVERSHOTS, FISHING TOOLS, GUIDES FOR OVERSHOTS AND FISHING TOOLS, SHOES, MILLS AND MILLING TOOLS, FISHING TAPS AND BASKETS, BLOCKS, SAMPLERS, DRILLING AND CORING TOOLS, PACKERS, PLUGS, CEMENT RETAINERS, SETTING TOOLS, PERFORATORS, JARS, CLEANERS, BAILERS, JOINTS, COUPLINGS, CONNECTIONS; OIL WELL PUMPS; INTERNAL COMBUSTION ENGINES; DEHYDRATION PLANT EQUIPMENT FOR GAS WELLS AND PARTS THEREOF, COMPRISED OF DEHYDRATORS, CONTACTORS, HEAT-EXCHANGERS, HEATERS, CONDENSORS, AND SEPARATORS.
Claims use since on or about June 1, 1944.

Reg. No. 430,282. Registered June 10, 1947. PERFECUT Scissors Co., Oklahoma City, Okla., a firm. Republished by registrant.

PERFECUT

The representation of a pair of scissors is disclaimed apart from the mark as shown.
FOR SCISSORS.
Claims use since Jan. 8, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 285,956. Registered Aug. 11, 1931. ED. HAUER & CO. JULES JURGENSEN WATCH CO., Beinne, Switzerland. Republished by Jules Jurgensen Corporation, New York, N. Y., a corporation of New York.

JULES JURGENSEN

FOR HOROLOGICAL INSTRUMENTS, NOT INCLUDING WATCH SPRINGS.
Claims use since 1835.

Reg. No. 370,243. Registered Aug. 22, 1939. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SKY CHIEF

FOR WATCHES AND WATCHES AND ATTACHED BRACELETS SOLD AS A UNIT.
Claims use since Mar. 1, 1936.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 386,831. Registered Apr. 22, 1941. GOODMAN AND COMPANY, Indianapolis, Ind., a partnership. Republished by registrant.

RHODIGOLD

FOR FINGER RINGS.
Claims use since on or about Apr. 27, 1940.

Reg. No. 393,532. Registered Feb. 17, 1942. GOODMAN AND COMPANY, Indianapolis, Ind., a partnership. Republished by registrant.

RHODIGEM

FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, AND LOCKETS.
Claims use since on or about Jan. 1, 1941.

Reg. No. 397,240. Registered Aug. 25, 1942. GOODMAN AND COMPANY, Indianapolis, Ind., a partnership. Republished by registrant.

GEM CREST

The word "Gem" is disclaimed apart from the mark as shown.
FOR FINGER RINGS, NECKLACES, BRACELETS, EARRINGS, JEWELRY CLIPS, BROOCHES, AND LOCKETS, NOT INCLUDING WATCHES.
Claims use since on or about Nov. 20, 1941.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 52,852. Registered May 22, 1906. JOHN L. WHITING & SON CO., Boston, Mass. Republished by Whiting-Adams Company, Inc., Boston, Mass., a corporation of Massachusetts.

KRAKO

FOR BRUSHES OF ALL KINDS.
Claims use since about Jan. 1, 1884.

Reg. No. 391,913. Registered Dec. 2, 1941. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

OX

FOR STREET BRUSHES AND BROOMS.
Claims use since on or about Apr. 20, 1939.

Reg. No. 391,914. Registered Dec. 2, 1941. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

FOR STREET BRUSHES AND BROOMS.
Claims use since on or about Apr. 20, 1939.

Reg. No. 391,915. Registered Dec. 2, 1941. OX FIBRE BRUSH COMPANY, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

OX

FOR STREET BRUSHES AND BROOMS.
Claims use since about April 1939.

Reg. No. 431,452. Registered July 22, 1947. ATLANTIC SOUTHWESTERN BROOM COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.

GOLDEN GATE

FOR BROOMS.
Claims use since Oct. 12, 1920.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 332,804. Registered Feb. 25, 1936. JOHN K. RUSSELL, Los Angeles, Calif. Republished by Luber-Finer, Incorporated, Los Angeles, Calif., a corporation of California.

Luber-finer

FOR LIQUID REFINERS, PARTICULARLY ADAPTED FOR USE IN REFINING LUBRICATING OIL.
Claims use since on or about November 1934.

Reg. No. 336,765. Registered July 14, 1936. LUBER-FINER, INCORPORATED, Los Angeles, Calif., a corporation of California. Republished by registrant.

Luber-finer

FOR LIQUID REFINERS, PARTICULARLY ADAPTED FOR USE IN REFINING LUBRICATING OIL.
Claims use since about Dec. 4, 1935.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 384,335. Registered Jan. 14, 1941. WESTERN (ILLINOIS) VENETIAN BLIND COMPANY, Chicago, Ill. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of Delaware.

WESTERNGRADE

FOR VENETIAN BLINDS, INCLUDING PARTS AND REPLACEMENTS THEREFOR, SPECIFICALLY LUMBER SECTIONS, HARDWARE, CORDS, AND TAPES.
Claims use since about Feb. 15, 1939.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 179,800. Registered Feb. 19, 1924. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FOR STEAM AND HOT WATER BOILERS FOR POWER AND HEATING.
Claims use since about November in the year 1886.

Reg. No. 217,589. Registered Sept. 7, 1926. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THE FITZGIBBONS BOILER

FOR STEAM AND HOT WATER BOILERS.
Claims use since about November in the year 1886.

Reg. No. 219,772. Registered Oct. 26, 1926. THE HOTSTREAM HEATER COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

CULSTREAM

FOR GAS AND OIL WATER HEATERS.
Claims use since June 1, 1926.

Reg. No. 312,379. Registered Apr. 24, 1934. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y. Republished by Whitehead Metal Products Company, Inc., New York, N. Y., a corporation of New York.

WHITEHEAD

FOR GAS AUTOMATIC HOT WATER STORAGE SYSTEMS.
Claims use since Apr. 6, 1931.

Reg. No. 312,788. Registered May 8, 1934. WHITEHEAD METAL PRODUCTS COMPANY OF NEW YORK, INC., New York, N. Y. Republished by Whitehead Metal Products Company, Inc., New York, N. Y., a corporation of New York.

FOR HOT WATER TANKS AND GAS AUTOMATIC HOT WATER STORAGE SYSTEMS.
Claims use since Apr. 6, 1931.

Reg. No. 368,997. Registered July 11, 1939. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COMBUSTROL

FOR DRAFT REGULATING DAMPER FOR BOILERS.
Claims use since Mar. 1, 1933.

Reg. No. 368,998. Registered July 11, 1939. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THERMALIZER

FOR DRAFT REGULATING BAFFLE FOR BOILERS.
Claims use since Mar. 1, 1933.

Reg. No. 369,000. Registered July 11, 1939. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

COAL-EIGHTY AUTOMATIC

The words "Coal" and "Automatic" are disclaimed apart from the mark as shown.
FOR BOILERS.
Claims use since Jan. 9, 1936.

Reg. No. 369,002. Registered July 11, 1939. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

OIL-EIGHTY AUTOMATIC

The words "Oil" and "Automatic" are disclaimed apart from the mark as shown.
FOR BOILERS.
Claims use since July 1, 1932.

Reg. No. 371,215. Registered Sept. 19, 1939. FITZGIBBONS BOILER COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GAS-EIGHTY

The word "Gas" is disclaimed apart from the mark as shown.
FOR GAS BURNING BOILERS.
Claims use since June 23, 1937.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 299,525. Registered Dec. 6, 1932. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Republished by registrant.

streamline

FOR NON-METALLIC TIRES AND INNER TUBES FOR USE IN NON-METALLIC TIRES.
Claims use since Apr. 21, 1931.

Reg. No. 424,284. Registered Nov. 18, 1947. GUSTIN-BACON MANUFACTURING COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

FLEXTITE

FOR CUP AND FLAT NONMETALLIC GASKETS FOR LOCOMOTIVE AND CAR AIR BRAKE CYLINDERS.
Claims use since Jan. 11, 1924.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 328,725. Registered Oct. 1, 1935. SCHERL & ROTH, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

The Regent

FOR MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, CLARINETS, TROMBONES, SAXOPHONES, ALTO HORNS, BARITONES, BASSES, FLUTES, AND PICCOLOS.
Claims use since Feb. 5, 1935.

CLASS 37

PAPER AND STATIONERY

Reg. No. 72,402. Registered Jan. 26, 1909. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

WORLD

FOR BLOTTING-PAPER.
Claims use since 1889.

Reg. No. 102,709. Registered Feb. 23, 1915. GAW-O'HARA ENVELOPE CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR ENVELOPES, LETTERHEADS, BILLHEADS, AND BLANK BOOKS.
Claims use since Jan. 1, 1914.

Reg. No. 191,504. Registered Nov. 11, 1924. BLAKE, MOFFITT & TOWNE, San Francisco, Calif., a corporation of California. Republished by registrant.

BLAKE, MOFFITT & TOWNE PAPER

The word "Paper" is disclaimed apart from the mark as shown.
FOR PRINTING PAPER, CORRUGATED PAPER, BOND PAPER, BOOK PAPER, WRITING PAPER, MIMEOGRAPH PAPER, LEDGER PAPER, BLOTTING PAPER, COVER PAPER, ENVELOPES, CARDBOARD, GUMMED PAPER, WAX PAPER, TISSUE PAPER, ADDING MACHINE PAPER EITHER IN SHEETS OR ROLLS, PAPER NAPKINS, PAPER TOWELS, TOILET PAPER, CREPE PAPER, AND PAPER SEALING TAPE.
Claims use since about Feb. 15, 1901.

Reg. No. 242,116. Republished May 15, 1928. THE ALBEMARLE PAPER MANUFACTURING COMPANY, Richmond, Va., a corporation of Virginia. Republished by registrant.

FAIRCOTE

FOR BLOTTING PAPER.
Claims use since Nov. 14, 1927.

Reg. No. 304,137. Registered June 20, 1933. P. H. GLATFELTER COMPANY, Spring Grove, Pa., a corporation of Pennsylvania. Republished by registrant.

MONOPLANE

FOR WRITING AND PRINTING PAPER.
Claims use since Apr. 20, 1929.

Reg. No. 329,520. Registered Nov. 5, 1935. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

NATION WIDE PAPERS

The word "Papers" is disclaimed apart from the mark as shown.
FOR WRITING PAPERS, BOND PAPERS, PRINTING PAPERS, NEWS PRINT PAPER, LITHOGRAPH PAPER, OFFSET PAPER, WRAPPING PAPER, TISSUE PAPER, TOILET PAPER, LEDGER PAPER, COATED AND UNCOATED BOOK PAPER, COVER PAPER, CARD BOARD, CORRUGATED PAPER, WAXED PAPER, BLOTTING PAPER, SAFETY PAPERS AND TRANSPARENT PAPERS.
Claims use since May 6, 1935.

Reg. No. 336,274. Registered June 30, 1936. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

COAST to COAST BOND

The word "Bond" is disclaimed apart from the mark as shown.
FOR WRITING PAPER, PRINTING PAPER, AND BOND PAPER.
Claims use since Aug. 8, 1935.

Reg. No. 342,549. Registered Jan. 19, 1937. NATION WIDE PAPERS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Omaha, Nebr.

NONSTOP

FOR WRITING PAPER AND DUPLICATING MACHINE PAPER IN CUT FORM.
Claims use since Oct. 23, 1935.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 186,099. Registered July 1, 1924. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

SWANK

FOR BOOKLET PUBLISHED BI-MONTHLY.
Claims use since January 1922.

CLASS 39

CLOTHING

Reg. No. 71,420. Registered Nov. 24, 1908. A. B. ANDREWS COMPANY, New York, N. Y. Republished by Ely & Walker Dry Goods Company, St. Louis, Mo., a corporation of Missouri.

CINDERELLA

FOR HOSIERY.
Claims use since on or about Jan. 1, 1905.

Reg. No. 122,700. Registered Sept. 10, 1918. WILLIAM HAHN & COMPANY, Washington, D. C., a corporation of the District of Columbia. Republished by registrant.

GRO-NUPS

FOR LEATHER, RUBBER AND CANVAS SHOES AND HOSIERY.
Claims use since Mar. 15, 1917.

Reg. No. 205,698. Registered Nov. 17, 1925. THE J. L. HUDSON COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Luzona

FOR WOMEN'S UNDERWEAR—TO-WIT, GOWNS, CHEMISES, CORSET COVERS, COMBINATIONS, PRINCESS SLIPS, DRAWERS, AND VESTS MADE OF TEXTILE FABRIC.
Claims use since June 4, 1923.

Reg. No. 228,767. Registered June 7, 1927. BARKIN, LEVIN & Co. INC., New York, N. Y., a corporation of New York. Republished by registrant.

LASSIE-MAID

FOR LADIES', MISSES' AND SMALL WOMEN'S COATS.
Claims use since Dec. 13, 1926.

Reg. No. 235,887. Registered Nov. 29, 1927. L. GREIF & BRO., INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Breezette

FOR TOPCOATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS.
Claims use since about February 1921.

Reg. No. 237,778. Registered Jan. 17, 1928. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.

ALL-SPORTS

FOR SHOES HAVING LEATHER UPPERS AND VULCANIZED RUBBER SOLES.
Claims use since Apr. 9, 1927.

Reg. No. 237,983. Registered Jan. 24, 1928. THE ABBOTT Co., Yarmouth, Maine. Republished by G. H. Bass & Co., Wilton, Maine, a corporation of Maine.

FOR SHOES AND BOOTS MADE FROM LEATHER AND COMBINATIONS OF LEATHER AND FABRICS.
Claims use since July 1, 1927.

Reg. No. 238,014. Registered Jan. 24, 1928. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Glad Rags

FOR BOYS', YOUTHS', AND INFANTS' PLAY SUITS, ROMPERS, OVERALLS, COVER-ALLS; DRESS, NEGLIGEE AND WASH SHIRTS, BLOUSES, PAJAMAS, NIGHTGOWNS, BATHROBES, AND BEACH COATS.
Claims use since June 1, 1927.

Reg. No. 240,631. Registered Apr. 3, 1928. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

E & W

FOR MEN'S AND BOYS' CAPS MADE OF KNITTED AND TEXTILE FABRICS OF COTTON, WOOL, LINEN, AND SILK AND OF LEATHER AND ANIMAL SKINS.
Claims use since Nov. 1, 1927.

Reg. No. 247,041. Registered Sept. 18, 1928. ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Sunny Sue

FOR LADIES', MISSES', AND CHILDREN'S DRESSES AND APRONS OF ALL KINDS MADE OF COTTON, SILK, WOOL, ARTIFICIAL SILK, RAYON OR COMBINATIONS OF THESE FABRICS.
Claims use since Oct. 1, 1927.

Reg. No. 281,980. Registered Apr. 7, 1931. WILLIAM HAHN & COMPANY, Washington, D C., a corporation of the District of Columbia. Republished by registrant.

DYNAMIC

FOR LEATHER SHOES.
Claims use since Sept. 30, 1930.

Reg. No. 293,041. Registered Apr. 5, 1932. MANDEL & COHEN, New York, N. Y. Republished by Isidor H. Cohen, Brooklyn, N. Y.

The words "Underwear" and "Product" are disclaimed apart from the mark as shown. The drawing is lined for the colors red, blue, and gold.
FOR UNDERWEAR FOR THE USE OF MEN, WOMEN, AND CHILDREN.
Claims use since January 1928.

Reg. No. 346,837. Registered May 25, 1937. SIDNEY FRUHMAN, Dallas, Tex. Republished by Rhealee Stores, Incorporated, Dallas, Tex., a corporation of Delaware.

RHEALEE

The style of lettering and the form of lettering is disclaimed apart from the mark as shown.
FOR WOMEN'S STRAW HATS AND FELT HATS OF ALL STYLES.
Claims use since March 1932.

Reg. No. 387,373. Registered May 13, 1941. VERA F. FULTON, Gallipolis, Ohio. Republished by registrant.

PEACE

FOR APRONS FOR WOMEN AND CHILDREN, DRESSES, AND UNIFORMS FOR SERVICE.
Claims use since Nov. 4, 1940.

Reg. No. 395,142. Registered May 12, 1942. MOORDALE CASUALS, INC., Chicago, Ill. Republished by Moordale Casuals, Inc. (1946)), Chicago, Ill., a corporation of Illinois.

Moordale

FOR WOMEN'S, MISSES', AND JUNIORS' SUITS, COATS, DRESSES, AND SLACKS.
Claims use since on or about Dec. 10, 1941.

Reg. No. 395,831. Registered June 16, 1942. MANDEL AND COHEN, INC., New York, N. Y. Republished by Isador H. Cohen, New York, N. Y.

RIP VAN WINKLE

FOR PAJAMAS AND NIGHTGOWN FOR MEN.
Claims use since May 17, 1921.

Reg. No. 411,328. Registered Jan. 16, 1945. HARSFELD'S, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Gadabouts

FOR WOMEN'S, MISSES', AND CHILDREN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS OF SUCH MATERIALS.
Claims use since on or about June 20, 1928.

Reg. No. 435,231. Registered Dec. 16, 1947. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Republished by registrant.

SCI- SCIENTIFIC -RES RESEARCH

The words "Scientific Research" are claimed only in the association as shown in the mark.
FOR SHOES FOR MEN, WOMEN, AND CHILDREN OF LEATHER, FABRIC, RUBBER AND/OR COMBINATIONS THEREOF.
Claims use since Aug. 13, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 293,327. Registered Apr. 19, 1932. PARVA PRODUCTS COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

PARVA

FOR BUCKLES NOT MADE OF PRECIOUS METAL.
Claims use since about Sept. 1, 1930.

Reg. No. 384,335. Registered Jan. 14, 1941. WESTERN (ILLINOIS) VENETIAN BLIND COMPANY, Chicago, Ill. Republished by Westerngrade, Incorporated, Chicago, Ill., a corporation of Delaware.

WESTERNGRADE

FOR VENETIAN BLINDS, INCLUDING PARTS AND REPLACEMENTS THEREFOR, SPECIFICALLY LUMBER SECTIONS, HARDWARE, CORDS, AND TAPES.
Claims use since about Feb. 15, 1939.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 81,180. Registered Mar. 7, 1911. TRIPPE BARKER & COMPANY, New York, N. Y. Republished by William Lind, doing business as William Lind Co., New York, N. Y.

Damoselle

FOR COTTON AND LINEN PIECE GOODS.
Claims use since Nov. 21, 1910.

Reg. No. 165,591. Registered Mar. 13, 1923. JAMES NELSON LIMITED, Nelson, England, a corporation of England. Republished by registrant.

NELVO

FOR COTTON PIECE GOODS.
Claims use since Apr. 8, 1921.

Reg. No. 213,199. Registered May 25, 1926. SYNDICATE TRADING CO., New York, N. Y. Republished by Syndicate-Arkwright Trading Co., Inc., New York, N .Y., a corporation of New York.

STRATHMORE

FOR COTTON PIECE GOODS.
Claims use since Nov. 7, 1925.

Reg. No. 335,522. Registered June 9, 1936. BARTMANN & BIXBE, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KENNETH

FOR CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK.
Claims use since July 1934.

Reg. No. 335,523. Registered June 9, 1936. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RAYVOILE

FOR CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK.
Claims use since 1929.

Reg. No. 335,561. Registered June 9, 1936. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

PETITE RUCHETTE

FOR CURTAINS MADE OF COTTON OR ARTIFICIAL SILK.
Claims use since August 1934.

Reg. No. 335,660. Registered June 9, 1936. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GRANDEUR

FOR CURTAINS MADE OF COTTON OR ARTIFICIAL SILK.
Claims use since November 1935.

Reg. No. 364,403. Registered Jan. 31, 1939. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The words "Fashion Curtain" are disclaimed apart from the mark as shown. The drawing is lined for shading.
FOR WINDOW CURTAINS.
Claims use since July 1, 1938.

Reg. No. 381,420. Registered Sept. 24, 1940. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Customized

FOR WINDOW CURTAINS.
Claims use since May 29, 1939.

Reg. No. 389,348. Registered Aug. 5, 1941. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The word "Ruffles" is disclaimed apart from the mark as shown.
FOR MADE UP FINISHED WINDOW CURTAINS.
Claims use since Jan. 1, 1940.

Reg. No. 390,362. Registered Sept. 23, 1941. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

KENNETH
Chantilly

The word "Chantilly" is disclaimed apart from the mark as shown.
FOR WINDOW CURTAINS.
Claims use since Feb. 1, 1940.

Reg. No. 390,727. Registered Sept. 30, 1941. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SWANTUB

FOR WINDOW CURTAINS.
Claims use since May 1, 1941.

Reg. No. 391,890. Registered Nov. 4, 1941. BARTMANN & BIXER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The words "Custom Tailored Curtains" are disclaimed apart from the mark as shown.
FOR WINDOW CURTAINS.
Claims use since Feb. 1, 1928.

Reg. No. 411,690. Registered Jan. 30, 1945. WALTER STRASSBURGER & CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Microtex

FOR RAYON CLOTH TEXTILES SOLD AS PIECE GOODS.
Claims use since April 1944.

Reg. No. 433,067. Registered Sept. 23, 1947. DAN RIVER MILLS, INCORPORATED, Danville, Va., a corporation of Virginia. Republished by registrant.

DANCALE

FOR SHEETS, SHEETING, AND PILLOWCASES.
Claims use since Aug. 29, 1946.

Reg. No. 435,267. Registered Dec. 16, 1947. HERMANN & JACOBS CORP., New York, N. Y., a corporation of New York. Republished by registrant.

FOR TABLECLOTHS, SHEETS, PILLOW CASES, NAPKINS OF LINEN, COTTON, MIXTURES OF LINEN AND COTTON AND TEXTILES IN THE PIECE OF SILK, COTTON, LINEN, WOOL, RAMIE, AND MIXTURES THEREOF.
Claims use since June 4, 1921.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 228,346. Registered May 31, 1927. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

White Rose

FOR RASPBERRY SIRUP, GRAPE JUICE, ORANGE JUICE, AND SWEET CIDER.
Claims use since 1910.

Reg. No. 296,450. Registered Aug. 9, 1932. MONUMENT BOTTLING COMPANY, Indianapolis, Ind. Republished by Ben Domont, Indianapolis, Ind.

Sun Punch

The word "Punch" is disclaimed apart from the mark as shown.
FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since on or about Mar. 1, 1932.

Reg. No. 340,354. Registered Nov. 3, 1936. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

PACIFIC GOLD

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Apr. 6, 1935.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 52,209. Registered May 1, 1906. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

FOR COFFEE.
Claims use since Sept. 13, 1899.

Reg. No. 68,411. Registered Apr. 7, 1908. ALTA VISTA CREAMERY COMPANY, Fort Worth, Tex., a corporation of Texas. Republished by registrant.

Alta Vista

FOR MILK, CREAM, AND BUTTER.
Claims use since January 1904.

Reg. No. 69,047. Registered May 19, 1908. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

DAY BREAK

FOR COFFEE.
Claims use since Sept. 18, 1899.

Reg. No. 69,048. Registered May 19, 1908. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

VERDICT

FOR COFFEE.
Claims use since Sept. 18, 1899.

Reg. No. 69,049. Registered May 19, 1908. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

JA-SAN-MO

FOR COFFEE.
Claims use since Oct. 3, 1899.

Reg. No. 69,050. Registered May 19, 1908. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

CASCADE

FOR COFFEE.
Claims use since Jan. 11, 1905.

Reg. No. 69,689. Registered June 30, 1908. MEYER BROTHERS COFFEE AND SPICE COMPANY, St. Louis, Mo. Republished by David G. Evans Coffee Company, St. Louis, Mo., a corporation of Missouri.

BUCKEYE

FOR COFFEE.
Claims use since Feb. 3, 1900.

Reg. No. 85,690. Registered Mar. 5, 1912. SYLVANUS SMITH & CO., INC., Gloucester, Mass. Republished by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass., a corporation of Massachusetts.

Educator

FOR SALTED, SMOKED, PICKLED, CANNED FISH—TO WIT, SALTED CODFISH, CHIPS OF HALIBUT, SMOKED HALIBUT AND HERRING, PICKLED BLOATER HERRING, BLOATER MACKEREL, CANNED SARDINES, SHRIMPS, AND CLAMS.
Claims use since Aug. 1, 1908.

Reg. No. 91,845. Registered June 3, 1913. E. FRANKLIN BREWSTER, Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

VETERAN BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES, CANNED PORK AND BEANS, AND CANNED SALMON.
Claims use since January 1895.

Reg. No. 101,560. Registered Dec. 29, 1914. BREWSTER, GORDON & CO., Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

VETERAN

FOR COFFEE, TEA, MOLASSES, CANNED VEGETABLES AND FRUITS, MACARONI AND SPAGHETTI, TAPIOCA, SAGO, OLIVES, RICE, RAISINS, CATSUP, CANNED FISH.
Claims use since 1890.

Reg. No. 101,561. Registered Dec. 29, 1914. BREWSTER, GORDON & CO., Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

ORIEL

FOR TEA, COFFEE, CANNED VEGETABLES, RICE, POPCORN, ROLLED OATS, PEARL BARLEY, BIRDSEED, DRIED FRUITS, AND DRIED VEGETABLES.
Claims use since June 25, 1914.

Reg. No. 122,430. Registered Aug. 20, 1918. BREWSTER GORDON & CO., Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

TOPAN

FOR TEA.
Claims use since Mar. 15, 1893.

Reg. No. 122,685. Registered Sept. 5, 1918. BREWSTER, GORDON & CO., Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

THISTLE

FOR TEA.
Claims use since Mar. 15, 1883.

Reg. No. 124,453. Registered Feb. 18, 1919. GOERZ FLOUR MILLS CO., Newton, Kans. Republished by Standard Milling Company, Chicago, Ill., a corporation of Illinois.

FOR WHEAT FLOUR.
Claims use since July 20, 1918.

Reg. No. 134,275. Registered Aug. 24, 1920. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

BI-A-CAN

FOR CANNED FRUITS—NAMELY, CANNED CHERRIES AND CANNED APRICOTS, CANNED PEACHES AND CANNED PEARS; AND CANNED VEGETABLES—NAMELY, CANNED TOMATOES.
Claims use since July 19, 1919.

Reg. No. 134,277. Registered Aug. 24, 1920. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since July 1, 1919.

Reg. No. 134,419. Registered Aug. 31, 1920. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

NAVY PLUG

FOR LICORICE CONFECTION.
Claims use since 1896.

Reg. No. 134,580. Registered Sept. 7, 1920. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

R-C

FOR CANNED FRUITS—NAMELY, CANNED CHERRIES, CANNED PLUMS, CANNED PEACHES, CANNED APRICOTS, AND CANNED PEARS; CANNED VEGETABLES—NAMELY, CANNED TOMATOES.
Claims use since July 15, 1919.

Reg. No. 136,877. Registered Nov. 9, 1920. NATIONAL LICORICE COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

INDIAN PLUG

FOR LICORICE CONFECTIONS.
Claims use since 1896.

Reg. No. 138,102. Registered Dec. 14, 1920. JOHN B. ROSEFIELD, Oakland, Calif. Republished by An-Fo Manufacturing Co., Oakland, Calif., a partnership.

AN-FO

FOR ANIMAL FOODS—VIZ., CALF-MEAL.
Claims use since May 12, 1920.

Reg. No. 144,878. Registered July 19, 1921. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FLEXIBLE

FOR LICORICE CANDY.
Claims use since Jan. 1, 1895.

Reg. No. 144,960. Registered July 19, 1921. W. E. URICK, Los Angeles, Calif. Republished by registrant.

POINSETTIA

FOR FRESH CANTALOUPES, CAULIFLOWER, ONION, TOMATOES, FRESH GRAPES.
Claims use since Jan. 2, 1920.

Reg. No. 147,175. Registered Oct. 4, 1921. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

AMITA

FOR WHEAT-FLOUR.
Claims use since 1896.

Reg. No. 147,176. Registered Oct. 4, 1921. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

TIDAL WAVE

FOR WHEAT-FLOUR.
Claims use since June 26, 1879.

Reg. No. 148,904. Registered Nov. 29, 1921. NATIONAL LICORICE COMPANY, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

ELASTIC

FOR LICORICE CANDY.
Claims use since Jan. 1, 1895.

Reg. No. 153,022. Registered Mar. 7, 1922. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

LA NINFA

FOR WHEAT FLOUR.
Claims use since 1900.

Reg. No. 154,501. Registered Apr. 18, 1922. BREWSTER, GORDON & Co., Rochester, N. Y. Republished by Veteran Foods, Inc., Rochester, N. Y., a corporation of New York.

"FWD"

FOR COFFEE.
Claims use since Feb. 1, 1919.

Reg. No. 159,129. Registered Sept. 19, 1922. TEXAS STAR FLOUR MILLS, Galveston, Tex., a corporation of Texas. Republished by registrant.

NAVAHO

FOR WHEAT FLOUR.
Claims use since Sept. 23, 1921.

Reg. No. 165,824. Registered Mar. 20, 1923. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MESSENGER BOYS

FOR CHOCOLATES.
Claims use since July 21, 1921.

Reg. No. 168,636. Registered May 29, 1923. WESTERN CALIFORNIA FISH Co., San Francisco, Calif., a corporation of California. Republished by registrant.

CAL-PAC

FOR CANNED, KIPPERED, SMOKED, AND SALTED FISH.
Claims use since Jan. 15, 1919.

Reg. No. 168,812. Registered May 29, 1923. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

Quality Inn

FOR CANNED FRUITS.
Claims use since July 15, 1922.

Reg. No. 178,339. Registered Jan. 8, 1924. ALLOWAY BROTHERS, Nashville, Tenn. Republished by Alloway Brothers Company, Nashville, Tenn., a corporation of Tennessee.

ALLOWAY'S
TABLE TEST
PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.
FOR BUTTER, LIVE AND DRESSED POULTRY, AND EGGS.
Claims use since May 1, 1923.

Reg. No. 182,035. Registered Apr. 1, 1924. COLLIN COUNTY MILL & ELEVATOR Co., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

FOR WHEAT-FLOUR.
Claims use since 1900.

Reg. No. 182,300. Registered Apr. 8, 1924. THE OKLAHOMA MILL Co., Kingfisher Okla. Republished by Burrus Mill & Elevator Co. of Oklahoma, Kingfisher, Okla., a corporation of Oklahoma.

WHITE HEART

FOR WHEAT FLOUR.
Claims use since Sept. 11, 1923.

Reg. No. 182,644. Registered Apr. 15, 1924. COLLIN COUNTY MILL & ELEVATOR Co., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since 1890.

Reg. No. 186,198. Registered July 1, 1924. G. W. CHASE AND SON MERCANTILE Co., St. Joseph, Mo. Republished by Chase Candy Company, St. Joseph, Mo., a corporation of Missouri.

TWEEN-MEALS

FOR CANDY.
Claims use since January 1921.

Reg. No. 189,901. Registered Sept. 30, 1924. MORTEN MILLING COMPANY, Dallas, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

FOR WHEAT-FLOUR.
Claims use since 1901.

Reg. No. 208,033. Registered Jan. 19, 1926. HARRY ARAKELIAN & SON, Turlock, Calif. Republished by Consolidated Packing Company, San Francisco, Calif., a corporation of California.

HONEY BUNCH

FOR DRY RAISINS.
Claims use since July 14, 1925.

Reg. No. 208,292. Registered Jan. 26, 1926. MARTIN GILBERT, Reedley, Calif. Republished by Mrs. Ora Gilbert, Reedley, Calif.

Jack Rabbit

FOR FRESH GRAPES.
Claims use since 1911.

Reg. No. 215,500. Registered July 20, 1926. SAFEWAY STORES, INC., Los Angeles, Calif. Republished by Safeway Stores, Incorporated, Oakland, Calif., a corporation of Maryland.

HIGHWAY

FOR CANNED VEGETABLES, CANNED SWEET POTATOES, CANNED FRUITS, JELLIES, JAMS, CANNED FISH, AND CANNED OYSTERS, HONEY, EGG NOODLES, AND MACARONI AND SPAGHETTI.
Claims use since Aug. 18, 1916.

Reg. No. 220,541. Registered Nov. 9, 1926. RAPIDES GROCERY COMPANY, INC., Alexandria, La. Republished by Rapides Grocery Company, Alexandria, La., a partnership.

JOY

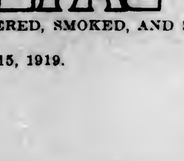
FOR COFFEE.
Claims use since May 26, 1926.

Reg. No. 221,057. Registered Nov. 23, 1926. LAKESIDE PACKING COMPANY, Manitowoc, Wis., a corporation of Wisconsin. Republished by registrant.

SEA GEM

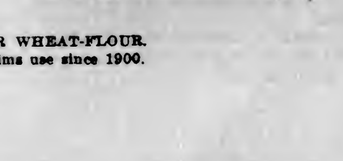
FOR CANNED VEGETABLES.
Claims use since Apr. 7, 1911.

Reg. No. 231,804. Registered Dec. 14, 1926. CHERRY-BURRELL CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.



FOR CANNED FRUITS AND VEGETABLES.
Claims use since Jan. 1, 1926.

Reg. No. 237,230. Registered Jan. 3, 1928. LOUIS-DREYFUS & CIE, Paris, France, a corporation of France. Republished by registrant.



FOR WHEAT FLOUR.
Claims use since Jan. 1, 1927.

Reg. No. 246,964. Registered Sept. 18, 1928. ORANGE

Reg. No. 264,609. Registered Nov. 26, 1929. JOHN

Reg. No. 221,804. Registered Dec. 14, 1926. GEORGE KERN, INC., New York, N. Y. Republished by George Kern, Inc. (1931), New York, N. Y., a corporation of New York.

Kern's

The word "Kern's" is disclaimed apart from the mark as shown.
FOR MEAT—NAMELY, HAM AND BACON.
Claims use since on or about Jan. 1, 1920.

Reg. No. 222,025. Registered Dec. 21, 1926. LAKESIDE PACKING COMPANY, Manitowoc, Wis., a corporation of Wisconsin. Republished by registrant.

BLUE DIAMOND

FOR CANNED VEGETABLES—NAMELY, WHOLE KERNEL CORN, DICED CARROTS, RED KIDNEY BEANS, WHOLE BEETS, WAX BEANS, GREEN BEANS, PEAS.
Claims use since 1898.

Reg. No. 225,010. Registered Mar. 8, 1927. LAKESIDE PACKING COMPANY, Manitowoc, Wis., a corporation of Wisconsin. Republished by registrant.

WAVERLY

FOR CANNED VEGETABLES AND PICKLES.
Claims use since Mar. 28, 1898.

Reg. No. 228,346. Registered May 31, 1927. SEEMAN BROTHERS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

White Rose

FOR RASPBERRY SIRUP, GRAPE JUICE, ORANGE JUICE, AND SWEET CIDER.
Claims use since 1910.

Reg. No. 232,650. Registered Sept. 13, 1927. THE C. CALLAHAN COMPANY, La Fayette, Ind., a corporation of Indiana. Republished by registrant.

MONEY-BACK

FOR AMMONIA, BAKING SODA, BAKING POWDER, BLUING, LAUNDRY STARCH, AND LYE.
Claims use since May 1, 1905.

Reg. No. 237,230. Registered Jan. 3, 1928. LOWRY-RODGERS COMPANY, doing business as Lowry Coffee Company, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

The word "Coffee" and the outline of the carton are disclaimed apart from the mark as shown.
FOR COFFEE.
Claims use since May 19, 1924.

Reg. No. 238,264. Registered Jan. 31, 1928. VAN CAMP SEA FOOD CO., INC., East San Pedro, Calif., a corporation of California. Republished by registrant, present address Terminal Island, Calif.

TIN-APA

FOR CANNED, SMOKED AND KIPPERED FISH.
Claims use since Oct. 19, 1925.

Reg. No. 242,966. Registered June 5, 1928. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

Quality Inn

FOR CANNED VEGETABLES.
Claims use since Dec. 12, 1923.

Reg. No. 244,267. Registered July 17, 1928. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

BI-A-CAN

FOR CANNED FRUITS AND CANNED VEGETABLES.
Claims use since July 19, 1919.

Reg. No. 246,964. Registered Sept. 18, 1928. ORANGE PRODUCTS CO., Orange, Tex. Republished by Orange Products Company, Orange, Tex., a corporation of Texas.

Del-Dixi

FOR CANNED PORK AND BEANS, CANNED BLACKBERRIES, CANNED FIGS, COMPOUND FIG AND CORN SYRUP, AND CANNED VEGETABLES—NAMELY, CANNED LIMA BEANS, CANNED STRINGLESS BEANS, CANNED MUSTARD GREENS, AND CANNED TURNIP GREENS.
Claims use since June 21, 1927.

Reg. No. 255,870. Registered Apr. 30, 1929. H. C. COLE MILLING COMPANY, Chester, Ill., a corporation of Illinois. Republished by registrant.

Cole's

FOR WHEAT FLOUR.
Claims use since 1855.

Reg. No. 261,989. Registered Sept. 24, 1929. THE ARNOLD MILLING COMPANY, Sterling, Kans., a corporation of Kansas. Republished by registrant.

SUPER PROTEIN SPECIAL

The words "Protein" and "Special" are disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since March 1922.

Reg. No. 262,391. Registered Oct. 8, 1929. NUECES COFFEE CO., Corpus Christi, Tex. Republished by Texas Coffee Company, Beaumont, Tex., a firm.

Seaport

FOR COFFEE.
Claims use since Feb. 8, 1929.

Reg. No. 262,614. Registered Oct. 15, 1929. BURRUS MILL & ELEVATOR CO., Fort Worth, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

FARMER BOY

FOR STOCK FEEDS, POULTRY FEEDS, HORSE, AND MULE FEEDS.
Claims use since Apr. 22, 1929.

Reg. No. 264,609. Registered Nov. 26, 1929. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

FOR OLIVE OIL.
Claims use since Dec. 6, 1907.

Reg. No. 266,459. Registered Jan. 21, 1930. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

Pacific Gold

FOR CANNED FRUITS—NAMELY, APRICOTS, PEACHES, PEARS, CHERRIES, PLUMS, FRUITS FOR SALAD, AND PINEAPPLE; CANNED VEGETABLES—NAMELY, ASPARAGUS, SPINACH, TOMATOES; PREPARED PRUNES IN SYRUP.
Claims use since September 1925.

Reg. No. 269,399. Registered Apr. 8, 1930. HAROLD S. VINSON, doing business as Crystal Studio, Ottumwa, Iowa. Republished by Stephen F. Whitman & Son, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

CROSS STITCH

FOR PACKAGED CONFECTIONERY—NAMELY, CANDIES AND CUBE SUGAR.
Claims use since about Nov. 20, 1928.

Reg. No. 272,023. Registered June 24, 1930. THE JOHN C. GROUB COMPANY, doing business as The Jay C. Stores, Seymour and Mitchell, Ind., a corporation of Indiana. Republished by registrant.

The Jay C. Stores

FOR WHEAT FLOUR AND COFFEE.
Claims use since July 1, 1928.

Reg. No. 275,421. Registered Sept. 23, 1930. AMERICAN

Reg. No. 296,825. Registered Aug. 23, 1932. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Dela-

Reg. No. 330,897. Registered Dec. 17, 1935. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Associa-

Reg. No. 340,907. Registered Nov. 24, 1936. MULKEY SALT COMPANY, Detroit, Mich. Republished by Morton Salt Company, Chicago, Ill., a corporation of Illinois.

Reg. No. 275,421. Registered Sept. 23, 1930. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

LITTLE WONDER

FOR SHELLED POP CORN.
Claims use since Oct. 25, 1926.

Reg. No. 287,877. Registered Oct. 13, 1931. A. REICH & SONS, Kansas City, Mo. Republished by A. Reich & Sons, Inc., Kansas City, Mo., a corporation of Missouri.

FOR FRESH VEGETABLES.
Claims use since May 1, 1929.

Reg. No. 289,229. Registered Nov. 24, 1931. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

COLD BAND

The drawing is lined to indicate a gold coloring.
FOR POULTRY AND STOCK FEED.
Claims use since Apr. 13, 1931.

Reg. No. 296,824. Registered Aug. 23, 1932. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Delaware. Republished by registrant.

FOR WHEAT-FLOUR.
Claims use since Oct. 15, 1931.

Reg. No. 296,825. Registered Aug. 23, 1932. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Delaware. Republished by registrant.

The word "Texas" is disclaimed when disassociated with the word "Sunny" as shown in mark.
FOR WHEAT-FLOUR.
Claims use since Nov. 1, 1931.

Reg. No. 301,368. Registered Feb. 28, 1933. LIBERTY MILLS, San Antonio, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

ROSE OF TEXAS

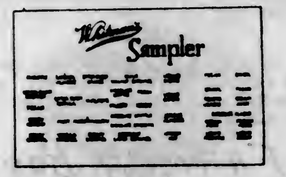
FOR WHEAT-FLOUR.
Claims use since Aug. 19, 1926.

Reg. No. 320,230. Registered Dec. 18, 1934. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PENN WYNNE

FOR CANDIES.
Claims use since June 19, 1933.

Reg. No. 325,862. Registered July 9, 1935. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.



All the wording except "Whitman's Sampler" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since Nov. 1, 1932.

Reg. No. 330,897. Registered Dec. 17, 1935. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif. Republished by Gavilan Citrus Association, Arlington, Calif., a corporation of California.

PLEBEIAN

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 1, 1919.

Reg. No. 332,245. Registered Feb. 4, 1936. LOWRY RODGERS CO., doing business as Lowry Coffee Co., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

DRINKWELL

FOR COFFEE.
Claims use since July 22, 1914.

Reg. No. 333,381. Registered Mar. 17, 1936. LIBERTY MILLS, San Antonio, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

Liberty Queen

FOR WHEAT-FLOUR.
Claims use since Mar. 1, 1935.

Reg. No. 333,939. Registered Apr. 14, 1936. LIBERTY MILLS, San Antonio, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

LAS FLORES

FOR WHEAT-FLOUR.
Claims use since Mar. 1, 1935.

Reg. No. 334,027. Registered Apr. 14, 1936. A. W. FEY, Hasleton, Pa. Republished by registrant.

CONYNGHAM

The word "Conyngham" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES.
Claims use since September 1933.

Reg. No. 340,907. Registered Nov. 24, 1936. MULKEY SALT COMPANY, Detroit, Mich. Republished by Morton Salt Company, Chicago, Ill., a corporation of Illinois.

JACK FROST

FOR SALT.
Claims use since Oct. 1, 1914.

Reg. No. 242,809. Registered Feb. 2, 1937. COLLIN COUNTY MILL & ELEVATOR CO., McKinney, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

HEARTH-BRED

FOR WHEAT-FLOUR.
Claims use since Mar. 1, 1936.

Reg. No. 347,487. Registered June 29, 1937. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

R-C

FOR FRUIT JUICE BEVERAGES USED AS SOFT DRINKS.
Claims use since July 25, 1927.

Reg. No. 354,789. Registered Feb. 22, 1938. MISSION FRUIT & VEGETABLE CO., INC., Mission, Tex. Republished by Mission Fruit & Vegetable Co., Mission, Tex., a firm.

Mifco

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES.
Claims use since July 1937.

Reg. No. 359,366. Registered Aug. 16, 1938. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Delaware. Republished by registrant.

BEBE AGUA

FOR WHEAT-FLOUR.
Claims use since Jan. 19, 1926.

Reg. No. 422,480. Registered July 23, 1946. STEPHEN

Reg. No. 395,554. Registered June 2, 1942. NAPA &

Reg. No. 361,157. Registered Oct. 11, 1938. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

HAPPY TIME

FOR RAW POP CORN.
Claims use since Dec. 15, 1937.

Reg. No. 361,757. Registered Nov. 1, 1938. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

HOLLY TIME

FOR RAW POP CORN.
Claims use since Dec. 15, 1937.

Reg. No. 365,405. Registered Mar. 7, 1939. P. D. GWALTNEY, JR. & CO., INC., Smithfield, Va., a corporation of Virginia. Republished by registrant.

The drawing is lined for red and black.
FOR SMOKED HAMS.
Claims use since May 3, 1938.

Reg. No. 369,883. Registered Aug. 8, 1939. MARTIN GILBERT, Reedley, Calif. Republished by Mrs. Ora Gilbert, Reedley, Calif.

The representation of the label is disclaimed apart from the mark as shown.
FOR FRESH FRUITS—NAMELY, FRESH GRAPES.
Claims use since 1926.

Reg. No. 377,347. Registered Apr. 30, 1940. NESSIM ALHADEFF, doing business as Whiz Fish Products Company, Seattle, Wash. Republished by Whiz Fish Products Company, Inc., Seattle, Wash., a corporation of Washington.

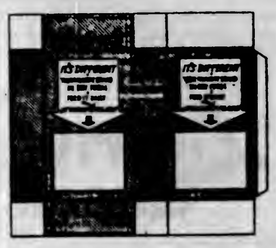
UNION LEADER

FOR CANNED FISH.
Claims use since Oct. 11, 1939.

Reg. No. 390,173. Registered Sept. 9, 1941. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Delaware. Republished by registrant.

The word "Flour" is disclaimed apart from the mark as shown.
FOR WHEAT-FLOUR.
Claims use since Feb. 1, 1941.

Reg. No. 402,691. Registered Aug. 10, 1943. N. C. COAN, San Jose, Calif., and Houston, Tex. Republished by registrant.



The representation of the carton per se, and the wording "A Little Goes a Long Way," "It's Different Your Favorite Brand in Dry Form Feed it Daily and" are disclaimed apart from the mark as shown. The drawing is lined for green.
FOR FOODS IN CONCENTRATED AND DEHYDRATED, PACKAGED FORM FOR PET ANIMALS SUCH AS DOGS AND CATS.
Claims use since June 11, 1942.

Reg. No. 411,365. Registered Jan. 16, 1945. TEX-O-KAN FLOUR MILLS CO., Dallas, Tex., a corporation of Delaware. Republished by registrant.

TEXO ALFAGREEN

FOR FEED CONCENTRATES FOR STOCK, POULTRY AND LIVESTOCK FEEDS, CONTAINING DEHYDRATED ALFALFA AND HAVING VITAMIN INGREDIENTS.
Claims use since Aug. 13, 1942.

Reg. No. 417,866. Registered Nov. 20, 1945. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Whitman's Sampler

FOR CANDY.
Claims use since Jan. 1, 1912.

Reg. No. 422,480. Registered July 23, 1946. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

MADEMOISELLE

FOR CANDY.
Claims use since Nov. 23, 1945.

Reg. No. 433,701. Registered Oct. 28, 1947. RICHMOND-CHASE COMPANY, San Jose, Calif., a corporation of California. Republished by registrant.

DIET-DELIGHT

The word "Diet" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS PACKED IN WATER.
Claims use since Apr. 11, 1946.

Reg. No. 434,864. Registered Dec. 9, 1947. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex., now by change of name Mrs. Tucker's Foods, Incorporated. Republished by Mrs. Tucker's Foods, Incorporated, Sherman, Tex., a corporation of Delaware.

HRDFLAKES

The word "Flakes" is disclaimed apart from the mark as shown.
FOR FLAKED HYDROGENATED VEGETABLE OILS USED PRIMARILY AS AN INGREDIENT FOR SHORTENING AND OLEOMARGARINE.
Claims use since July 2, 1946.

CLASS 47

WINES

Reg. No. 316,009. Registered Aug. 14, 1934. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

FOR WINES AND VERMOUTHS.
Claims use since September 1908.

Reg. No. 395,554. Registered June 2, 1942. NAPA & SONOMA WINE CO., San Francisco, Calif. Republished by California Cellars, San Francisco, Calif., a corporation of California.

The representations of the labels and the word "Green" are disclaimed apart from the mark as shown.
FOR WINES.
Claims use since 1910.

Reg. No. 422,161. Registered July 9, 1946. ROMA WINE COMPANY, New York, N. Y., and Fresno, Calif. Republished by Schenley Distillers Corporation, doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif., a corporation of Delaware.

ROMA

FOR WINES.
Claims use since 1890.

Reg. No. 434,779. Registered Dec. 9, 1947. ROMA WINE COMPANY, New York, N. Y., and Fresno, Calif. Republished by Schenley Distillers Corporation, doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif., a corporation of Delaware.

Creme de Roma

FOR WINES.
Claims use since Jan. 14, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

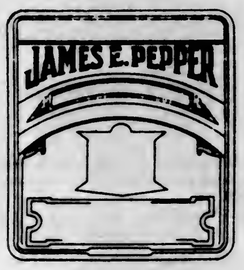
Reg. No. 315,800. Registered Aug. 7, 1934. JOHN WAGNER & SONS, Philadelphia, Pa., a firm. Republished by registrant.

FOR RYE WHISKEY, SCOTCH WHISKEY, IRISH WHISKEY, BOURBON WHISKEY, BRANDY, APPLE-

JACK, RUM, ALCOHOLIC COCKTAILS AND CORDIALS.

JACK, RUM, ALCOHOLIC COCKTAILS AND CORDIALS, AND GIN.
Claims use since July 1906.

Reg. No. 375,410. Registered Feb. 20, 1940. JAS. E. PEPPER & COMPANY, Lexington, Ky., and New York, N. Y., a corporation of Kentucky. Republished by registrant, present address Lexington, Ky.



No claim is made to the outline of the label per se.
FOR WHISKEY.
Claims use since about 1880.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 413,522. Registered May 1, 1945. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

Quali-Craft

FOR SILK SCREEN OUTFIT CONTAINING VARIOUS PAINTS, SILK SCREEN, PRINTING FRAME, PRINTING BASE, SQUEEGEE, STENCIL KNIFE, INSTRUCTOR HANDBOOK, GLUE, SHELLAC, AND OTHER MATERIALS REQUIRED IN THE SILK SCREEN PROCESS FOR PREPARING SIGNS AND OTHER ADVERTISING MATERIALS.
Claims use since on or about June 1941.

Reg. No. 433,236. Registered Sept. 30, 1947. AMERICAN MEDICAL GLASS COMPANY, Washington, D. C., a firm. Republished by registrant.

ORTHOGLAS

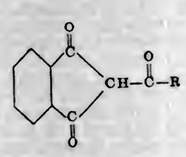
FOR IMPREGNATED GLASS FABRIC FOR FABRICATION OF ORTHOPEDIC APPLIANCES.
Claims use since Mar. 2, 1946.

REISSUES

JANUARY 25, 1949

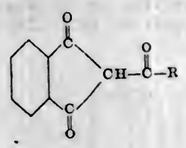
23,080
LETHAL COMPOSITION FOR INSECTS
Howard W. Eck, deceased, late of East Lansing, Mich., by Lowell B. Kilgore and Helen Ford Kilgore, Washington, D. C., assignees, and Jared H. Ford, Kalamazoo, Mich.
No Drawing. Original No. 2,310,949, dated February 16, 1943, Serial No. 266,035, April 4, 1939. Application for reissue August 8, 1947, Serial No. 767,602
20 Claims. (Cl. 167—24)

1. An insecticide comprising an insect-paralyzing agent intermixed with a compound of the type—



wherein R is a hydrocarbon radical, the compound serving to impart lethal qualities to the insecticide.

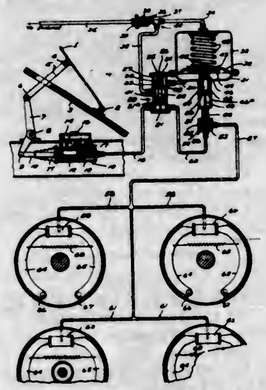
15. An insecticidal composition of matter comprising a compound of the type:



wherein R is alkyl containing at least 4 carbon atoms, the compound serving to impart lethal qualities to the composition, and a carrier therefor.

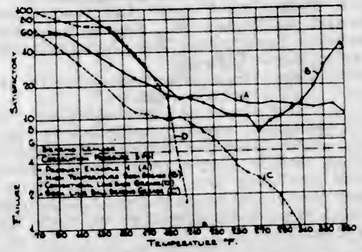
23,081
APPARATUS INCLUDING POWER UNIT FOR SETTING BRAKES
Edward A. Rockwell, Shaker Heights, Ohio, assignor to Electrofio Corporation, Cleveland, Ohio, a corporation of Delaware
Original No. 2,423,204, dated July 1, 1947, Serial No. 501,034, September 1, 1943. Application for reissue June 24, 1948, Serial No. 34,957
31 Claims. (Cl. 188—152)

1. In a device of the character described, a source of power, a wheel brake, manually operable means including a master cylinder having a piston provided with a seal, apparatus adapted to apply said power to substantially merely set the brake hydraulically, and means, including a double check valve, connecting the master cylinder with said apparatus so as to thereafter apply a manual hydraulic pressure on said wheel brake and to cut off the application of the power upon the brake while the manual pressure is being



applied and allow the return of the liquid through the double check valve to the master cylinder.

23,082
GREASE COMPOSITIONS
John C. Zimmer, Union, and Gordon W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Original No. 2,444,970, dated July 13, 1948, Serial No. 570,785, December 30, 1944. Application for reissue September 25, 1948, Serial No. 51,132
10 Claims. (Cl. 252—33.2)



1. A grease composition comprising a mineral lubricating oil and sufficient of the complex reaction product of an oil-soluble metal salt of sulfonic acid, said acid having a combining weight of approximately 300 to 600, and a salt of an acid selected from the group consisting of low molecular weight aliphatic carboxylic acids, in which at least one cation in the above salts is polyvalent, to thicken the mineral oil to a grease consistency, said complex reaction product being produced by dissolving said sulfonate in said mineral oil and reacting said sulfonate with said salt in the presence of heat.

resistor in parallel, a fifth resistor connected at barrel having cylindrical bores therein substan-

PATENTS

GRANTED JANUARY 25, 1949

2,459,779
PERHALOTOLUENES
Waldo B. Ligett, Detroit, Mich., and Earl T. McBee, La Fayette, and Vincent V. Lindgren, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application November 13, 1945, Serial No. 628,378
5 Claims. (Cl. 260—651)

1. A perhalo(trifluoromethyl)benzene containing chlorine and having at least one fluorine atom attached to the benzene ring.

2,459,780
ANELLATED POLYCARBOCYCLIC PERFLUOROCOMPOUNDS
Earl T. McBee, La Fayette, Ind., and Lavon D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application September 24, 1945, Serial No. 618,394
10 Claims. (Cl. 260—648)

1. A compound from the group consisting of saturated polycarbocyclic anellated and saturated lower-alkyl substituted polycarbocyclic anellated fluorocarbons wherein the number of rings is at least three and the number of shared carbon atoms is at least three, the total number of carbon atoms being from 8 to 22, inclusive.

2,459,781
ANELLATED FLUOROCARBONS
Earl T. McBee, La Fayette, Ind., and Lavon D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application September 24, 1945, Serial No. 618,395
5 Claims. (Cl. 260—648)

1. A compound selected from the group consisting of saturated dicarbocyclic anellated fluorocarbons and saturated alkyl-substituted dicarbocyclic anellated fluorocarbons in which the number of adjacent shared carbon atoms is three, the total number of carbon atoms being from 7 to 19, inclusive.

2,459,782
ANELLATED FLUOROCARBONS
Earl T. McBee, La Fayette, Ind., and Lavon D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application September 24, 1945, Serial No. 618,396
6 Claims. (Cl. 260—648)

1. A saturated alkyl-substituted dicarbocyclic anellated fluorocarbon containing from 9 to 18 carbon atoms, inclusive, in which the number of adjacent shared carbon atoms is two and wherein both rings contain six carbon atoms, the total number of carbon atoms in the rings being ten.

2,459,783
FLUORINATION OF UNSATURATED CYCLIC PERCHLORO COMPOUNDS
Earl T. McBee, La Fayette, and Park A. Wiseman, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application November 30, 1945, Serial No. 632,104
15 Claims. (Cl. 260—648)

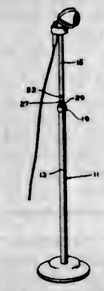
1. In a process for the preparation of a 1,2-dichlorofluorocycloalkene halocarbon, wherein the two chlorine atoms are attached to the two olefinic carbon atoms of the single double bond, the step which includes: treating an unsaturated cyclic chlorocarbon with antimony pentafluoride at a fluorinating temperature between about room temperature and about 250 degrees centigrade for a period of time sufficient to produce a 1,2-dichlorofluorocycloalkene halocarbon.

2,459,784
MILLIVOLT CONTROL UNIT
John W. Alderson, Oakland, Calif., assignor to the United States of America, as represented by the Secretary of War
Application August 10, 1943, Serial No. 498,049
4 Claims. (Cl. 315—116)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a remote control system comprising a radio transmitter, a remote radio receiver wherein incident modulated radiations from the transmitter are converted into a unidirectional current output, a device to be controlled remote from the transmitter and remote from the receiver, and a control device operative by variation in said unidirectional current output operatively connected to said device to be controlled; the improvement in said control device which comprises a gas-charged thermionic tube having at least an anode, a cathode and a control grid, first and second input leads from the unidirectional output of said receiver, a variable first resistor and a parallel second resistor of half the value of the first connected commonly between the grid and said first input lead, said first resistance bridging said leads and the grid having brush connection therewith, a variable third resistor connected in series between the said first lead and the cathode whereby said second resistor and part of the third are additionally in series between the grid and cathode, a fourth resistor connected to the third

resistor in parallel, a fifth resistor connected at one end between the third and fourth resistors and the cathode and in series with the cathode and the anode, and a sixth resistor and by-pass capacitor in series-parallel between the last-named fifth resistor and the anode, an alternating current anode supply having one terminal connected between the fifth and sixth resistors so that the sixth resistor and capacitor are in series parallel with the source and anode, another terminal of said source being connected at the outer ends of the said third and fourth resistors so that the latter are in series parallel with the source and cathode, and so that the third and fourth resistors at one side and the fifth resistor at the other are in series across the line with said source, a second thermionic tube having at least an anode, a cathode and a control grid, an anode-cathode current supply connected to said second tube, a current-operated part of the said device to be operated being connected in said anode-cathode circuit, the grid of the second tube being connected to the anode of the first tube, said variable resistors being adjusted to establish a grid-cathode relation critically near the potentials for firing the tube.

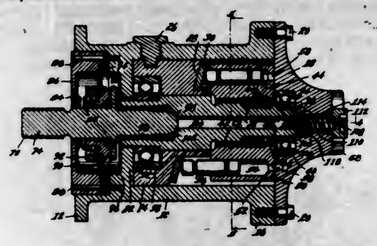
2,459,785
LOCKING DEVICE
Charles E. Allerton, Morrisville, Pa.
Application April 16, 1945, Serial No. 588,507
5 Claims. (Cl. 248—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A locking device for telescopable tubes having cooperating cylindrical bearing surfaces, comprising a tapered circumferential recess between said tubes and extending into only one of said surfaces, said taper extending in a circumferential direction; an arcuate wedge-shaped friction slug disposed in said recess, said slug being wedged tightly between the base of said recess and one of said bearing surfaces when the tubes are in locked condition.

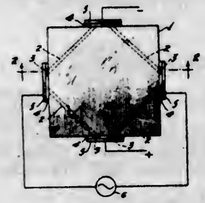
2,459,786
HYDRAULIC PRESSURE PUMP OR MOTOR
Bernard Beaman, Julius Hulman, and Robert A. Stein, Dayton, Ohio
Application March 12, 1945, Serial No. 582,376
13 Claims. (Cl. 103—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a hydraulic pressure pump or motor, a housing, a power shaft extending inside and outside of said housing, a barrel driving shaft secured to said power shaft and journaled in said housing, a barrel loosely mounted on said driving shaft and operatively connected thereto, said barrel having cylindrical bores therein substantially parallel to the axis of rotation of the barrel and its drive shaft, a piston in each of said bores, said barrel having one of its ends seated against an end of said housing, ports in said end of said barrel and communicating with said cylinder bores, a stationary cam in said housing having



a cam surface surrounding said barrel driving shaft and in the shape of a truncated cylinder end, said cam cooperating with said pistons to reciprocate them upon rotation of said barrel, and intake and discharge ports in said end of said housing for communicating with said cylinder ports of said barrel.

2,459,787
METAL RECTIFIER BRIDGE
Mortimer C. Bloom, Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 24, 1945, Serial No. 618,337
8 Claims. (Cl. 175—366)



1. A metal rectifier bridge unit comprising a body of insulating material, a plurality of metal rectifier elements, each having a rectifying portion and a conducting portion, disposed over different portions of the bounding surface of said body, the respective portions of each of said elements being connected by an extension of said conducting portion through said body, and connecting members connecting selected adjacent ones of said rectifier element portions to form a rectifier bridge construction.

2,459,788
FULL-WAVE RECTIFIER IN GLASS OR OTHER INSULATING CONTAINERS
Walter F. Bonner, Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application February 23, 1946, Serial No. 649,605
3 Claims. (Cl. 175—366)

1. In a cartridge type electric current rectifying element of the type that comprises a stack of rectifier elements, a plurality of electrical conductors connected to certain elements of said stack; the improvements that comprise a tubular casing, open at the ends, formed of electrical insulat-

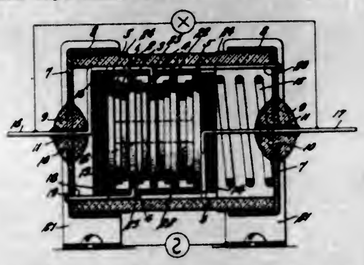
ing material and adapted to receive and surround said stack with the conductors extending at least

of metallic particles disposed, in random fashion, on said plate on the side thereof facing said

filamentary element having a segmental cross section and having electrically emissive and non-

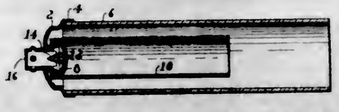
2,459,795
METHOD AND APPARATUS FOR ELECTRIC WELDING

ing material and adapted to receive and surround said stack with the conductors extending at least to the ends of said casing, said casing being provided with two external annular silver coatings integral therewith, one located near each end thereof; metallic cup-like terminal caps, one on each end of said casing, overlying and hermetically united with the adjacent external annular silver coating on the casing in a manner precluding rotation of the cap relative to the casing, each of said caps being connected to one of said con-



ductors; at least one of said caps having a centrally located opening formed therein, an insulative bead mounted in said opening and hermetically joined to the margin thereof, a metallic sleeve, open at the ends, mounted in said bead without contact with the cap in which the bead is positioned and extending in a direction substantially coaxial with the casing, whereby one of the conductors connected to the rectifier stack extends through and is hermetitcally sealed to said sleeve to provide an additional external terminal of the rectifier.

2,459,789
ELECTRODE CONSTRUCTION FOR NEON SIGNS
Thomas H. Briggs, Jr., Norristown, Pa., assignor to Superior Tube Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 21, 1946, Serial No. 692,099
2 Claims. (Cl. 176—126)



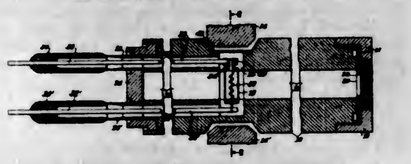
1. An electrode construction for gas discharge signs comprising a length of glass tubing, a cap of an alloy having substantially the same expansion characteristics as the glass tubing, said cap having a depressed central portion, and a tubular electrode within said glass tubing and having a portion of its inner surface secured to the depressed central portion of the cap.

2,459,790
INDICATING CATHODE-RAY TUBE
Henri G. Busignies, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application September 5, 1945, Serial No. 614,527
6 Claims. (Cl. 315—13)

1. A cathode ray tube comprising means for producing an electron beam, a fluorescent screen arranged in the path of said beam, a perforated plate of insulating material, said plate disposed between said means and said screen, a plurality of metallic particles disposed, in random fashion, on said plate on the side thereof facing said means, and means for conditioning said electrode

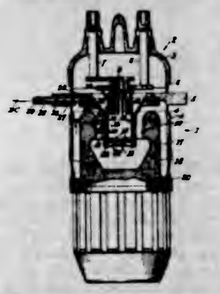
so as to permit the passage of electrons only through selected ones of the perforations in said plate.

2,459,791
VACUUM TUBE
Paul Georges Chevigny, New York, N. Y., and Carson McKeag Wheeler, Montclair, N. J., assignors to Federal Telephone and Radio Corporation, Newark, N. J., a corporation of Delaware
Application March 26, 1943, Serial No. 480,662
12 Claims. (Cl. 250—27.5)



1. An electron discharge device, including a hollow metal pipe formed with a transverse passage in one wall leading to its central bore and forming therewith a central cavity, and a pair of relatively smaller bores extending through its walls at an angle to said passage and communicating with said cavity, a cathode positioned within said cavity, cover means sealing the open end of said passage, a pair of cathode leads each attached at one end to said cathode and extending through said smaller bores outwardly of said pipe, means sealing the outer ends of said smaller bores and supporting said leads therein, a pair of magnets, one positioned on each side of said pipe in alignment with said cavity, and means sealing both ends of said pipe.

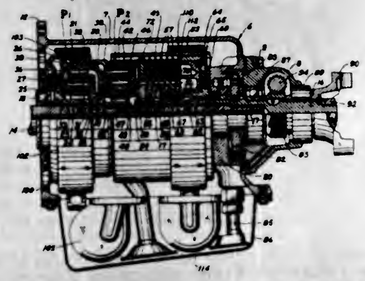
2,459,792
BEAM TYPE ELECTRON DISCHARGE DEVICE
Paul Georges Chevigny, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 8, 1944, Serial No. 544,053
7 Claims. (Cl. 250—27.5)



1. A beam type electron discharge device comprising an anode, a cathode and at least one control element, said element being mounted relative to and providing a clear path between said anode and cathode, said cathode being comprised of a

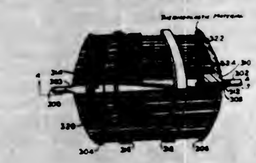
filamentary element having a segmental cross section and having electrically emissive and non-emissive surfaces, said emissive surfaces being flat and facing along the path and all of said non-emissive surfaces being away from said anode.

2,459,793
TRANSMISSION
Harold E. Churchill, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application August 9, 1946, Serial No. 689,602
17 Claims. (Cl. 74—269)



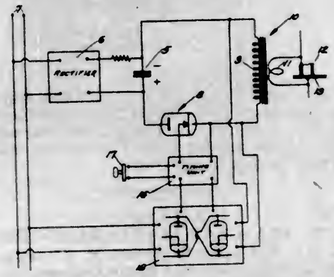
5. A transmission comprising a first planetary gear mechanism having three first elements, namely, a first sun gear, first single planet pinion means, and a first ring gear, a second planetary gear mechanism having three second elements, namely, a second sun gear, a second dual planet pinion means and a second ring gear, said first and second planet pinion means being connected together, said first ring gear and said second sun gear being connected together, first brake means associated with said first sun gear, second brake means associated with said second ring gear, and clutch means between one pair of the connected elements of said planetary gear mechanisms and another element of one of said planetary gear mechanisms.

2,459,794
SPHERICAL COIL FOR VARIOMETERS
Edward E. Combs, Long Branch, N. J.
Application September 12, 1945, Serial No. 615,910
1 Claim. (Cl. 175—359)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



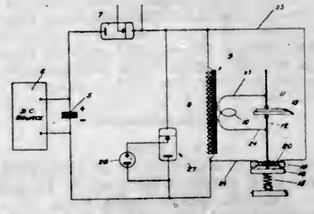
A spherical wire-coil for variometer comprising a plurality of wire-supporting ribs made of thermoplastic material forming a spherical support for said coil, a coil-forming wire thermally imbedded in and supported by said ribs, thermoplastic re-enforcing means extending inwardly from opposed ribs and a two-piece metallic shaft having threaded reduced end portions passing through said re-enforcing means and connected thereto and to the ends of said coil.

2,459,795
METHOD AND APPARATUS FOR ELECTRIC WELDING
John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 4, 1945, Serial No. 597,421
5 Claims. (Cl. 219—4)



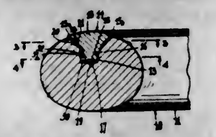
1. The method of welding two parts having rough surfaces in the areas at which the weld is to be effected which comprises bringing said surfaces of said parts into contact between the projecting high points of said surfaces and with a gap between intervening areas, passing a unidirectional impulse of current through said parts, said impulse being of sufficient intensity to flash off said high points and project the material thereof outwardly through said gap, closing said gap between said work pieces and thereafter passing an alternating current through said parts to complete the welding operation.

2,459,796
WELDING SYSTEM
John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 21, 1945, Serial No. 600,727
3 Claims. (Cl. 219—4)



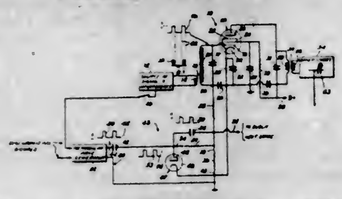
1. A welding system comprising: a pair of welding electrodes movable into engagement with the work to be welded, means to apply pressure to said work through said welding electrodes, means to apply a welding current impulse te said work, an electromagnet operable upon one of said electrodes for applying an additional pressure to the work, and means for supplying a unidirectional voltage impulse to said electromagnet in response to said welding current impulse, said electromagnet having an inductance which is high to delay the rise of current therein and delay the application of said additional pressure until after the establishment of current flow through the work.

2,459,797
STEERING WHEEL FOR MOTOR VEHICLES
Frank Den, New York, N. Y.
Application November 26, 1947, Serial No. 788,265
8 Claims. (Cl. 74—552)



8. In a steering wheel for a motor vehicle, a groove provided in the top of the rim of the wheel, a ring over said top, and legs on the ring adapted to ride in said groove whereby the ring may rotate with relation to the rim.

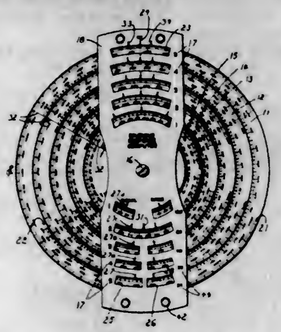
2,459,798
SIGNAL TRANSLATOR BLOCKING CIRCUIT
Maxwell C. Dettman, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 3, 1944, Serial No. 524,976
7 Claims. (Cl. 250—20)



7. For use with electronic signal translating means, the combination, comprising means for generating spaced signal pulses, means having a plurality of stages responsive to said pulses and also to transients that may occur between them, means synchronized with said pulses for generating a substantially rectangular waveform having a frequency substantially equal to the repetition frequency of said pulses, means for adding a direct current component to said wave to establish the crests thereof at substantially zero direct current potential, and means for applying said wave to at least one stage of the pulse responsive means in a direction to block substantially all of the interval between successive pulses.

2,459,799
SPURIOUS RESPONSE COMPUTER
William T. Doyle, Albertson, N. Y., and Earl R. Baker, Delta, Colo.
Application August 21, 1947, Serial No. 769,967
4 Claims. (Cl. 235—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. A calculator comprising a plurality of circular disks of progressively decreasing diameters pivotally mounted concentrically for relative rotation each with respect to the others, pairs of circular scales marked adjacent the edges of each disk, a cursor disposed diametrically across the faces of said disks pivotally mounted on the axis of said disks, said cursor having a first plurality of arcuate slots cut therethru on one radius thereof, said slots registering, respectively, with the first of each of said pairs of scales, and a second plurality of arcuate slots cut therethru on the other radius thereof, said last mentioned slots registering, respectively, with the second of each of said pairs of scales, a first series of single indices marked on said cursor at the edges of said first plurality of slots cooperative with the first of said pairs of scales, a first series of spaced double indices marked on said cursor at the edges of said second plurality of slots cooperative with the second of said pairs of scales, a second, single index

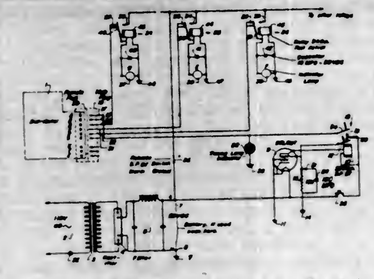


marked on said cursor at the edge of one of said second plurality of slots cooperative with the second of said pairs of scales, a second series of spaced double indices marked on said cursor at the edges of said first plurality of slots, cooperative with the first of said pairs of scales, and a series of radial index lines marked across said scales for use in arranging said disks in a predetermined relative position.

2,459,800
SAWMILL CONSTRUCTION
Ernest E. Esgate, Coeur d'Alene, Idaho
Application May 16, 1947, Serial No. 748,640
1 Claim. (Cl. 248—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A platform adapted for the mounting of conventional sawmill units, and comprising a trussed frame structure including a central section and end sections hingedly connected thereto and foldable upon said central section, said sections being formed in symmetrical separable halves connected together along the longitudinal center line, and an insert adapted to be placed intermediate said symmetrical half sections to widen said frame, said frame and said insert being composed of upper and lower longitudinal and transverse members, and spacing members, said spacing members including jacks connected to said upper and lower transverse members, positioned laterally from the longitudinal center of said mounting a distance sufficient to effect stability thereof and to support the loads thereon at least substantially beneath their centers of gravity, and base plates operatively connected to said jacks adapted to be retracted within said trussed structure between said lower longitudinal members.

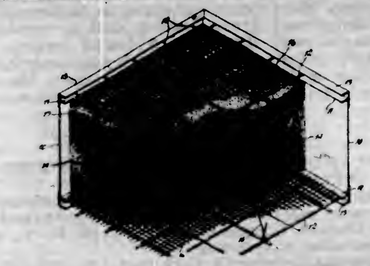
2,459,801
BOMB STATION DISTRIBUTOR CHECKER
Joseph A. Fahrner, United States Navy
Application October 25, 1945, Serial No. 624,625
3 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for testing a pulse actuated distributor, said testing apparatus comprising: a direct current power supply; an electronic tube having a heating filament, cathode, plate, control grid and screen grid, said heating filament being connected across said power supply, and said cathode and control grid being connected to the negative side of said power supply; a capacitor-resistance timing circuit connected across said screen grid and the negative side of said power supply; a plug connector; a double-pole single-throw relay switch having a relay coil, a pair of armatures and a pair of fixed contacts, said relay coil being connected across said plate and the positive side of said power source, said fixed contacts being connected to the positive side of said power supply, one armature being normally closed and connected to said screen grid, and the other armature being normally open and connected to a pin of said plug connector; an indicating lamp connected across said other armature and the negative side of said power source; single-pole double-throw relay switch means having a relay coil, an armature, and a pair of fixed contacts, one of said fixed contacts connected to the positive side of said power supply, the relay coil, the other of said fixed contacts and said armature which is normally closed against said other fixed contact connected in series across a pin of said plug connector and the negative side of said power supply; a capacitor connected across said last-named relay coil; indicating means connected across said last-named relay coil; a switch connected between said one fixed contact and the positive side of said power supply; and a switch connected between the double-pole single-throw relay switch and the positive side of the power supply.

2,459,802
AIR-CONDITIONING APPARATUS
Walter L. Fleisher, New City, N. Y.
Application November 6, 1944, Serial No. 562,190
4 Claims. (Cl. 183—45)

1. A capillary cell designed to have air and water pass through it in a vertical direction and comprising a tubular casing, a coarse grid at each extremity of said casing, a plurality of vertical capillary threads in said casing substantially parallel with the sides thereof and to the direction of the flow of air and water through the cell, and a small apertured stabilizing screen adjacent to but spaced inwardly from the upper and lower ends of the casing, each small aperture of said screen receiving the ends of a group of said capillary threads at the top and bottom of the casing and maintaining the threads in a vertical position

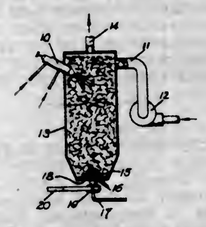


and in a predetermined relation to the direction of the flow of air and water through the cell and spacing the individual groups of vertical capillary threads from one another.

2,459,803
FELTLIKE PRODUCTS
Carleton S. Francis, Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 23, 1939, Serial No. 300,876
2 Claims. (Cl. 154—54)

1. A felt-like product formed from a mixture of textile fibres and thermoplastic staple resin fibres formed from a copolymer of vinyl chloride and vinyl acetate, said resin fibres being normally non-tacky, flexible and tough, and being rendered tacky at a temperature below that at which the textile fibres are damaged, fibres in said product being bonded to each other due to the thermal tackiness after heating of said staple resin fibres, said resin fibres being present in such minor proportion that the outer surfaces of the finished felt are substantially non-adhesive when said thermoplastic fibres are in a tacky condition.

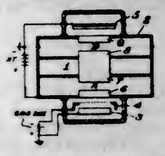
2,459,804
SHAPED FELTED STRUCTURES
Carleton S. Francis, Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 1, 1942, Serial No. 453,284
3 Claims. (Cl. 154—46)



1. A fibrous structure of fixed inherent shape having a non-planar configurated wall of predetermined thickness comprising non-cementitious fibres and thermoplastic resin fibres formed of a copolymer of vinyl chloride and vinyl acetate and being normally non-tacky, flexible and tough and being rendered tacky at a temperature

below that at which the non-cementitious fibres are damaged, fibres in said product being bonded together and said non-cementitious fibres and said resin fibres being arranged in universally multi-directional truss-forming and permeable relation to each other, the said wall having a fixed inherent shape established by post-assembly activation and deactivation of the resin fibres throughout the area and thickness of said wall.

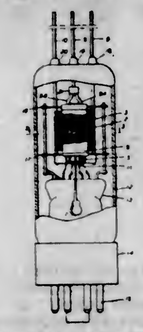
2,459,805
ELECTRON DISCHARGE DEVICE OF THE VELOCITY MODULATION TYPE
John Heaver Fremlin, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 14, 1942, Serial No. 462,029
In Great Britain December 12, 1941
3 Claims. (Cl. 315—6)



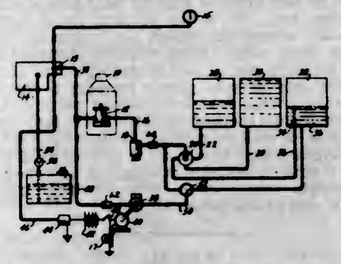
1. An ultra high frequency apparatus comprising an electron discharge device of the velocity modulation type including an electron gun for producing and directing a beam of electrons along a beam path, said gun including a cathode, and a plurality of means mounted in the order named along said beam path from said gun, means for producing an ultra high frequency electric field for velocity modulating electrons in said beam, means providing a first drift space, means for extracting ultra high frequency energy from said velocity modulated beam and an electrode spaced along said beam from said energy extracting means for reflecting the electrons in said beam back through said extracting means, the space between said extracting means and said reflecting electrode forming a second drift space, said ultra high frequency apparatus further comprising means connected to said energy extracting means for applying a potential thereto and means connected to said cathode and said reflecting electrode for applying a common potential thereto, said last-mentioned potential being negative with respect to said first-mentioned potential and providing an electron transit time from said energy extracting means to said reflecting electrode and return corresponding to an odd number of half cycles of the high frequency field whereby the electrons are bunched when they arrive at the energy extracting means and arrive at said energy extracting means during the intervals between the arrival of bunches in the incident beam.

2,459,806
VELOCITY-MODULATED ELECTRON DISCHARGE DEVICE
John Heaver Fremlin and Christopher Henry Foulkes, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 28, 1942, Serial No. 463,700
In Great Britain January 9, 1942
3 Claims. (Cl. 315—6)

1. An electron beam velocity modulation and device comprising wire grids forming a complete cavity resonator having a velocity modulation region and an energy extracting region, said regions being separated by a drift space, said wire grids including a first set of turns of wire forming a tubular shaped inner structure about said drift space, said turns of wire of said first set being electrically connected together, said wire grids further including a second set of turns of wire forming an outer concentric tubular shaped structure, the turns of wire of said second set being electrically connected together, said two sets of wire turns forming the cavity resonator therebetween, an electron beam generator mounted to direct an electron beam along a path through said two sets of wire grids and through said drift space, and an envelope enclosing said resonator and said beam generator.



2,459,807
MULTIPLE TANK FUEL SYSTEM WITH EMERGENCY PUMP TO MAINTAIN REQUIRED DISCHARGE PRESSURE
Edward M. Gavin, Las Vegas, Nev., and Ralph E. Grey, Osborn, Leslie L. Aspelin, Elyria, and George F. Tate, Dayton, Ohio
Application March 16, 1944, Serial No. 526,794
5 Claims. (Cl. 158—36.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



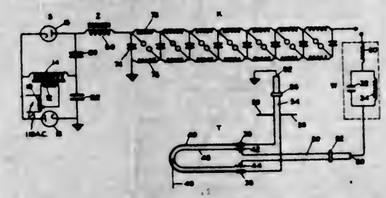
1. The combination in an aircraft fuel system, of a main fuel supply receptacle, a main fuel pump having its suction side connected to said main fuel supply receptacle, a discharge-pressure control means for said main fuel pump, a reserve fuel supply container, an auxiliary fuel pump having its suction side connected to said reserve fuel supply container, a discharge-pressure control means for said auxiliary fuel pump, a fuel receiving means, the discharge side of both said pumps being connected to said fuel receiving means, the discharge-pressure control means of the auxiliary fuel pump being operable at the same pressure as the main fuel pump for delivering fuel to said fuel receiving means, and a pressure responsive means associated with the main fuel pump, adapted upon a predetermined drop in pressure at the discharge side of the main fuel pump to operate said auxiliary fuel pump.

3. The combination, in an aircraft fuel system, of a plurality of main fuel supply receptacles, a main fuel pump, means for selectively connecting the suction side of said pump to any of said supply receptacles one at a time, a reserve fuel supply container, an auxiliary fuel pump, means connecting the suction side of said auxiliary fuel pump to said reserve fuel supply container, a fuel metering means, the discharge side of both said pumps being connected to said fuel metering means, valve means for disconnecting the suction side of the auxiliary fuel pump from said reserve fuel supply container and connecting it into the suction line of the main fuel pump, and a pressure responsive means associated with the fuel metering means, adapted, upon a predetermined drop in pressure at the fuel intake of said fuel metering means to operate said auxiliary fuel pump.

2,459,808
TUBE EXPANDER WITH EXPANSIBLE BALL DRIFT REMOVABLE BY ITS EXPANSION
George A. Geyer, New York, N. Y.
Application October 11, 1945, Serial No. 621,651
4 Claims. (Cl. 153—80)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

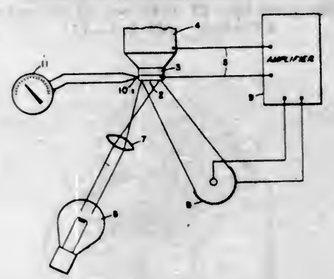
3. A tube expander comprising a body, a taper portion near one end of the body and tapering inwardly toward said end, an expansible ball drift mounted for sliding movement on said taper portion, a retaining enlargement at the narrow end of and integral with said taper portion, said ball drift in expanded condition being capable of passing over said enlargement, and an enlargement at the large end of said taper portion forming a transverse shoulder for limiting sliding movement and expansion of said ball drift.

2,459,809
HIGH-POWER PULSE GENERATOR
John E. Gorham, Spring Lake, and Irving Sager, Beal, N. J.
Application January 14, 1943, Serial No. 472,352
6 Claims. (Cl. 250—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. A transmitter for pulse-echo work, said transmitter comprising a D.-C. potential source having minimum size smoothing capacitors, a large inductive impedance, a network having a plurality of condensers, chokes connecting said condensers in parallel, and spark gaps connecting said condensers in series, means for applying said potential source in series with said impedance to said network whereby said condensers charge in parallel until the voltage thereon equals the breakdown voltage of said spark gaps, whereupon said condensers discharge in series so that the resulting pulse has the cumulative potential of said condensers, said impedance in combination with said parallel condensers forming an oscillatory circuit and serving to increase the charging voltage on said condensers, said impedance also functioning to impede the charging current to quickly quench the spark, a wave-shaping network in the discharge path of said condensers to square the wave-form of the resulting pulse, and a transmitter tube having a tank circuit associated therewith, the output from the wave-shaping network being applied to the transmitter tube to act as the D.-C. driving potential for the same.

2,459,810
DEW-POINT INDICATOR
Orman L. Graves, Santa Clara, and Richard Bishop, Palo Alto, Calif.
Application March 31, 1945, Serial No. 586,010
4 Claims. (Cl. 73—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

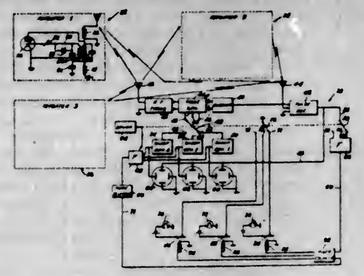


3. In a dew-point-indicator having a source of light, a photo-cell and an amplifier electrically connected to said photo-cell; a mirror head assembly comprising an electrically conductive mirror element, an electrically conductive cold element, a heating element possessing both electrical and thermal resistivity sandwiched between and affixed to said mirror and cold elements to constitute an integral assembly, said cold and mirror elements being adapted for electrical connection to said amplifier to form an electrical circuit from said amplifier through said cold element, said heating element and said mirror element, whereby light from said source of light will be reflected from said mirror element to said photo-cell to control the flow of electricity from said amplifier through said heating element.

2,459,811
RADIO IDENTIFYING SYSTEM
Donald B. Grieg, Forest Hills, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 18, 1944, Serial No. 527,074
16 Claims. (Cl. 343—13)

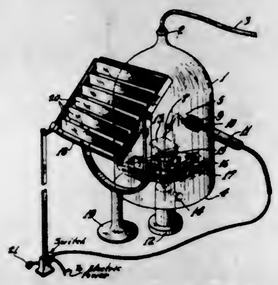
16. A method of indicating at a single location the identity of objects in the vicinity of said

location, comprising transmitting from said single location trains of pulses at different given repetition rates, repeating from different ones of said



objects pulses at different ones of said repetition rates, receiving said repeated pulses at said given location, and producing an indication of the repetition rate of said received repeated pulses.

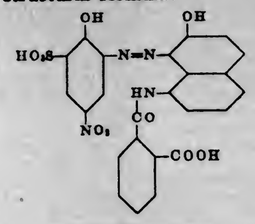
2,459,812
WELDING APPARATUS
Thomas W. Griffiths, Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 31, 1946, Serial No. 673,213
4 Claims. (Cl. 219—14)



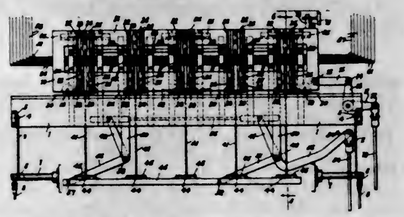
1. A welding apparatus for performing a welding operation on a work piece in an atmosphere of inflammable gas comprising a container for confining an inflammable gas around a work piece, said container having an opening at the top for introducing said inflammable gas into said container and an opening at the bottom for permitting the work piece to be inserted within the container and for permitting the gas to exhaust from the container, a porous shield positioned between said work piece and said bottom opening to prevent incandescent pieces of metal from falling through the opening while permitting said gas to pass through the shield.

2,459,813
MONOAZO CHROMIUM COMPLEX
Harry W. Grimmel and Ludwig Richter, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 14, 1945, Serial No. 628,658
1 Claim. (Cl. 260—151)

The chromium complex compound obtained by after-chroming of the mono azo dye having the following structural formula:

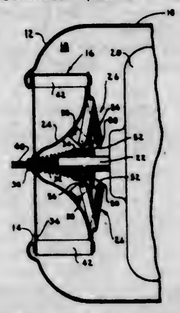


2,459,814
NARROW WARE LOOM
Max Hahne, New York, N. Y.
Application June 20, 1946, Serial No. 678,111
10 Claims. (Cl. 139—18)



1. In a loom, a beam on which a batten is longitudinally slidable, shuttle guides mounted on the batten, shuttles slidable in said guides in a vertical direction and transversely of the batten, means located below the guides for selectively engaging the shuttles and raising the same to the top of the guides, means adjacent the tops of the guides for engaging the raised shuttles and holding the same in their raised position, and release means for selectively freeing the shuttles to thereby allow the same to descend solely by gravity in their guides.

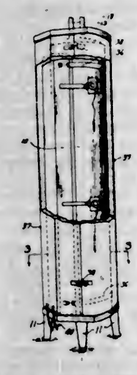
2,459,815
AUTOMATIC AIR SHUTOFF AND DRAFT CONTROL FOR OIL BURNERS
Kemper M. Hammell, Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application January 23, 1947, Serial No. 723,857
11 Claims. (Cl. 230—114)



11. In a blower wheel having axially extending blades and which wheel is closed on one side, said wheel having at its other side a ring form-

ing an end of said wheel and an opening through which air flows into said wheel, an air deflecting circular member comprising a plate arranged within said wheel normal to the axis of rotation thereof and extending into close proximity to said blades and means for mounting said member for rotation with and adjustment axially of said wheel so that said member may be positioned to shut off the flow of air to those portions of said blades adjacent the closed side of said wheel whereby to decrease the effective axial length of said wheel, said plate being shaped so as to have a central apex projecting away from the closed end of said wheel and arranged so as to direct the air, which flows axially into said blower wheel through said opening, radially outwardly toward the blades of said blower wheel, the diameter of said member being greater than the diameter of said opening in said ring but less than the diameter inside said wheel between the inner edges of said blades, and screw threaded means operable for adjusting said member axially of said wheel.

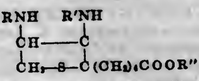
2,459,816
WATER HEATER CONVERSION UNIT
Harold E. Handley, Jackson, Mich., assignor to Handley Brown Heater Company, Jackson, Mich., a corporation of Michigan
Application May 31, 1945, Serial No. 596,900
1 Claim. (Cl. 219—38)



A water heater of the type having a heating element adjacent an outside surface of a water tank, comprising a circular upright tank, means including a separable shell insulating said tank throughout its length and around more than 180° of its circumference, fastening means for said insulating means releasable and available at the uncovered portion of the tank, and means completing the circumferential insulation and forming a heating chamber extending the length of said tank comprising two walls meeting the vertical edges of the first insulation means and extending substantially tangentially of the enclosed tank and a third enclosing wall joining the tangential walls spaced from the tank, four elongate heating units mounted in vertically aligned pairs on the inside of said third wall, each being independently mounted and removable, and each being composed of an electric resistance unit within a transparent di-electric tube, and fastening means for said last insulation means available at the outside of said joined insulation units, said first fastening means being enclosed within the second insulation means.

2,459,817
2-(4' CARBOXY-BUTYL)- 3:4 - DI(ACYLAMIDO) - 4:5 DIHYDROTHIOPHENE AND ITS ESTERS
Stanton A. Harris, Westfield, and Glen E. Arth, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 16, 1944, Serial No. 554,454
8 Claims. (Cl. 260—329)

8. Dihydrothiophene compounds having the formula:



wherein R and R' are acyl radicals and R'' is a radical selected from the class which consists of hydrogen, alkyl, aryl, and aralkyl radicals.

2,459,818
SOAP PRODUCT CONTAINING GUANIDINE STEARATE
Lloyd F. Henderson, Reading, Mass., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine
No Drawing. Application August 4, 1944, Serial No. 548,142
3 Claims. (Cl. 252—117)

1. A solid, all-soap product for washing with water, consisting essentially of an unfilled alkali metal soap and 1 to 15% by weight of guanidine stearate.

2,459,819
WEEDLESS FISH LURE
Clyde C. Hoage, St. Paul, Minn.
Application May 2, 1946, Serial No. 666,647
8 Claims. (Cl. 43—39)

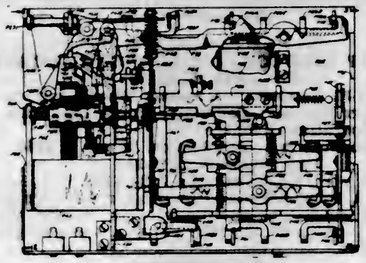
1. In a fish lure, a body, a hook projecting from said body, a guard for said hook carried by said body and movable to and from guarding position, and magnetic means carried by said body and operative to bias said guard toward hook guarding position.

2,459,820
FRACTIONATION OF UNSATURATED GLYCERIDE OILS
Edward M. James, Winchester, Mass., assignor to Lever Brothers Company, a corporation of Maine
No Drawing. Application June 23, 1943, Serial No. 491,974
5 Claims. (Cl. 260—428.5)

1. A process of fractionating soybean oil, which comprises mixing one part of soybean oil with an amount of a non-polar solvent within the range of 1 to 20 parts, rapidly chilling said mixture of oil and solvent to a temperature within the range of —20° to —60° F., the rapidity of chilling, the amount of solvent within the above range and the chilling temperature within the above range being interrelated so as to precipitate a fraction in an amorphous flowable form having a lower iodine value than the iodine value of the soybean oil, and to leave the remainder of the oil as a

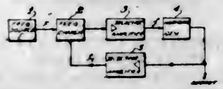
liquid fraction having a higher iodine value than the soybean oil, and continuously separating the precipitated amorphous flowable fraction from the liquid fraction in a continuous type centrifuge, said precipitated fraction of lower iodine value being suitable for hydrogenation to form an edible shortening, and said liquid fraction of higher iodine value having improved drying properties.

2,459,821
ELECTRICAL CODE PRINTER
Ladislas Kozma and Georges X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 29, 1943, Serial No. 512,144
12 Claims. (Cl. 178—34)



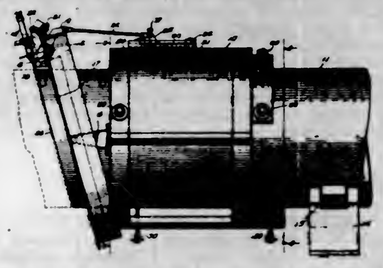
1. A code-controlled printer comprising a printing device and means for selecting a character on said device, including a plurality of levers, means linking the levers together to form an aggregate motion linkage, a plurality of selectively-operable magnets, and a plurality of lever-devices operated by corresponding ones of said magnets and including links reciprocable side by side and each providing at least one intermediate fulcrum of said levers.

2,459,822
FREQUENCY GENERATING SYSTEM
Marc André Lalande, Paris, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 25, 1947, Serial No. 763,619
In France February 15, 1946
Section 1, Public Law 690, August 8, 1946
9 Claims. (Cl. 250—36)



1. An arrangement for obtaining multiple sub-harmonic frequency energy from a stable source of base frequency energy comprising a source of modulation frequency energy, means for modulating said base frequency energy with said modulation frequency energy to obtain a sub-harmonic frequency energy, a full wave rectifier, a sub-harmonic frequency amplifier conditioned for operating in an oscillatory or a non-oscillatory state, and means for applying said sub-harmonic frequency energy through said amplifier to said full wave rectifier, means responsive to the output of said amplifier for controlling the state of operation of said sub-harmonic frequency amplifier, said source of modulation frequency energy comprising means for deriving from said rectifier output said modulation frequency energy and means for deriving from said rectifier output the multiple sub-harmonic frequency energy.

2,459,823
PIPE MITERING APPARATUS
Michael N. Lebedeff, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application February 11, 1946, Serial No. 646,889
6 Claims. (Cl. 33—21)

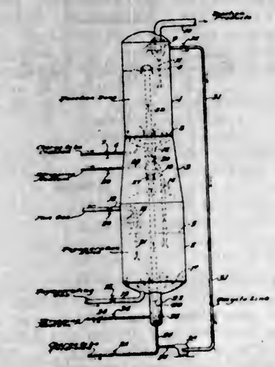


2. Apparatus for cutting pipe or the like at a desired angle to the central axis of said pipe comprising mounting means holding the pipe for rotation substantially about its central axis; a cylinder of larger diameter than the pipe; means for attaching said cylinder to the pipe including a pair of members rockably mounted on said cylinder near one end thereof and another pair of said members similarly mounted on the other end of the cylinder, each pair of members being located on opposite sides of the vertical center of the cylinder near the top and each member having two contact portions for contacting the pipe on one side of said vertical center, and clamps on the bottom portion of the cylinder for clamping the pipe against said contact portions; an annular guide member of larger internal diameter than the external diameter of the pipe and of the cylinder pivotally mounted on arms extending from one end of the cylinder with said arms being substantially parallel to each other in a substantially horizontal plane with said plane substantially bisecting the cylinder; a raised section on said annular guide member of substantially circular shape; means for holding said annular guide member at a desired angle to the central axis of the pipe, cutting means carried on the raised section of the guide member for cutting the pipe with the cutting means being movable on said raised section, and means for holding the cutting means substantially stationary during the rotation of the pipe, cylinder, and guide member.

2,459,824
METHOD AND APPARATUS FOR CONTACTING SUBDIVIDED SOLID CONTACT MATERIAL WITH FLUID REACTANTS, PARTICULARLY HYDROCARBONS
Frederick W. Leffer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 31, 1946, Serial No. 706,914
10 Claims. (Cl. 196—52)

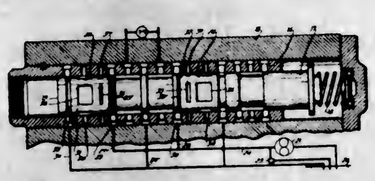
1. A method for the simultaneous conversion of two different hydrocarbon streams which comprises maintaining a downwardly moving bed of subdivided solid catalyst particles in each of two

contacting zones disposed in vertical alignment, passing one of said hydrocarbon streams at conversion temperature through the catalyst bed in the upper of said zones, continuously discharging contacted solid catalyst particles from the upper of said zones to the top of the bed in the lower zone, passing an oxidizing gas upwardly through the bed in the lower of said zones, withdrawing oxidized and regenerated catalyst particles down-



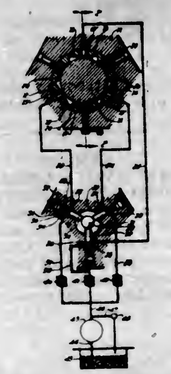
wardly from the lower portion of said lower zone, commingling the regenerated catalyst particles withdrawn from the lower zone with the other of said hydrocarbon streams, passing the resultant mixture upwardly in a confined straight line path through the catalyst beds in said contacting zones and then discharging the same into the upper portion of said upper zone, and subjecting said other hydrocarbon stream to conversion during its upward passage in said confined path.

2,459,825
BEARING
Mario E. Martellotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio
Application May 24, 1941, Serial No. 395,086
26 Claims. (Cl. 308—122)



1. A bearing structure comprising a pair of telescoping members, one member having a bore providing an internal bearing face and the other member being cylindrical and having an outer bearing face slightly smaller in diameter to allow for a clearance space and relative movement between said bearing faces, one of said members having circumferentially spaced receiving recesses in its bearing face, one of said members having circumferentially spaced balancing pockets in its bearing face axially offset relative to said recesses, means interconnecting individual circumferentially spaced pockets and recesses, means forming a source of lubricant under pressure, and means for coupling the lubricant under pressure to said clearance space at a point adjacent said recesses and remote from said pockets whereby radial relative displacement of the members will increase the clearance space adjacent a recess reducing the resistance to flow of lubricant under pressure and simultaneously decrease the clearance adjacent the pocket coupled with said recess increasing resistance to flow therefrom to build up a pressure in said last-mentioned pocket to resist said radial displacement.

2,459,826
FLUID PRESSURE BEARING
Mario E. Martellotti, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio
Application September 30, 1941, Serial No. 413,005
15 Claims. (Cl. 308—121)



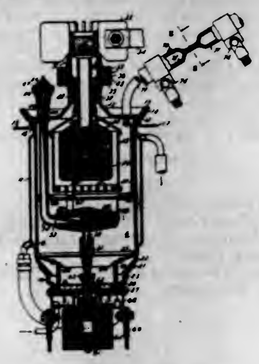
1. In a fluid pressure bearing structure for a journal, the combination of a bearing member for said journal having a plurality of lubricant receiving pockets formed in circumferentially spaced relation about said journal, independent lubricant supply means for the several pockets, collector grooves positioned between the respective pockets, means functional of the position of the journal for controlling the escape of fluid from said pockets to said grooves to determine the necessary pressures in said pockets to hold the journal in a normal running position whereby any shifting of the journal will disturb said pressures, and valve means responsive to any disturbance of said pressures for readjusting the resistance to flow in the several channels and thereby readjust said pressures to a sufficient extent to reposition the journal to its normal running position.

2,459,827
ELECTRIC VALVE WITH VITREOUS ENAMEL SEALS
Othmar K. Marti, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 15, 1945, Serial No. 616,557
4 Claims. (Cl. 250—27.5)

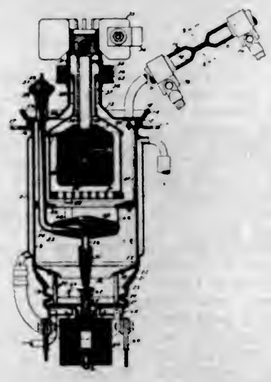
1. An electric discharge device comprising a fluid tight metallic casing, an anode and a cathode, said casing comprising an anode-containing section provided with a converging frusto-conical edge portion and a cathode-containing section

of the muzzle of said projector and arranged to

provided with a diverging frusto-conical edge portion complementary of said converging edge portion, and a layer of vitreous material uniting said edge portions in fluid tight insulated relation.

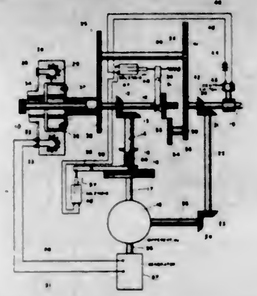


2,459,828
ELECTRIC VALVE WITH GRID MOUNTED ON DIVIDED ANODE INSULATOR
Othmar K. Marti, Wauwatosa, and Ervin B. Steinberg, Milwaukee, Wis., assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application September 15, 1945, Serial No. 616,558
6 Claims. (Cl. 250—27.5)



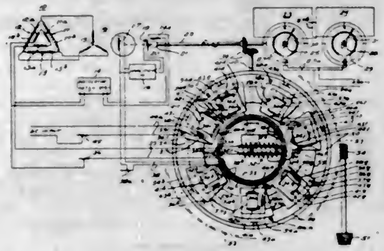
1. An electric discharge device comprising a fluid tight metallic casing, an anode, a cathode and a control electrode, means for supporting said anode in said casing comprising a rigid conductor and a metallic cap, means for supporting said cap on said casing in fluid tight insulated relation thereto comprising a stack of metal washers disposed about said rigid conductor and a plurality of layers of vitreous material severally uniting each said washer with the adjacent said washers in fluid tight insulated relation, and means for supporting said control electrode on said casing comprising a second conductor connected between said control electrode and an intermediate washer of said stack of washers.

2,459,829
POWER TRANSMISSION
Edward C. Maxwell, United States Navy
Application April 29, 1946, Serial No. 665,711
8 Claims. (Cl. 172—284)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A variable speed power transmission comprising, a driving member, a driven member, means for providing a variable degree of interconnection between said driven and driving members including a magnetic clutch, a differential member connected between said driving and driven members, a current generating means for the magnetic clutch, said current generating means being driven by said differential member, the differential member rotating the current generating means at a speed which varies with the difference in relative rotation between the driving member and the driven member.

2,459,830
MOTION REPEATING SYSTEM
Thomas O. McCarthy, United States Navy
Application September 12, 1944, Serial No. 553,777
21 Claims. (Cl. 318—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



10. A system for transmitting angular motion comprising an electrical transmitter, a torque amplifier comprising a polycircuit primary winding electrically connected to receive data from said transmitter, a rotatable secondary winding, amplifier means connected to receive energy from said secondary winding and to amplify the same, a reversible motor driven by the output of said amplifier and connected to drive said secondary winding to a null position, a correction voltage generator comprising a field member including a plurality of individually adjustable means for providing an adjustable magnetic field and an armature member, means driving one of said members by said motor, said armature member when in any selected angular position with respect to said field member being adapted to generate a voltage which is a function of the field strength at said position, and means superimposing said voltage on the motor to modify the position thereof.

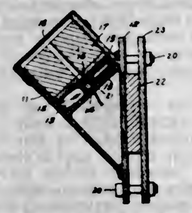
2,459,831
PROCESS FOR DYEING NYLON WITH ACID DYES OF LIMITED SOLUBILITY
Frank C. McGrew and William Henry Sharkey, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1946, Serial No. 681,136
6 Claims. (Cl. 8—55)

1. A process for evenly dyeing nylon textile articles which comprises immersing the nylon article, until the desired depth in shade is obtained, in an aqueous dyebath in which the coloring material is a salt of an acid dyestuff which dissociates in the aqueous dyebath to yield a dye anion concentration of at least 0.1 part per million but not greater than 50 parts per million based on the weight of the dyebath.

2,459,832
ELECTRICAL OUTLET TERMINAL
Benjamin P. McKinley, Bradenton, Fla.
Application January 29, 1945, Serial No. 575,115
5 Claims. (Cl. 173—340)

1. An electrical terminal comprising a strip of conductive metal shaped to provide a contact means at one end and providing a pair of spaced apart arms having a reentrant portion extending inwardly between the arms at the other end of the terminal defining an axial passage and a transverse passage intersecting said axial passage, and conductor anchoring means in one of said passages adapted to engage a conductor end inserted in the other of said passages.

2,459,833
SMOKE BOMB PROJECTOR
Joseph H. McLain and Alfred C. Fairchild, United States Army
Application June 7, 1945, Serial No. 598,199
1 Claim. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In combination: a cylindrical projector barrel; a canister loaded therein and substantially coextensive with said barrel; smoke producing material in said canister; a muzzle cover pressed into air-tight engagement with the outer surface of the muzzle of said projector and arranged to be blown off by the discharge of said canister; bracket means arranged to hold said projector on a vehicle at a firing angle of approximately 45°; a propellant charge positioned under said canister; a driving disc positioned between said canister and said charge; electrical firing means for said charge; communicating means between said charge, said canister and disc arranged to cause the ignition of said smoke producing material upon the firing of said propellant charge.

2,459,834
PROCESS OF PREPARING HYDROXY HYDROPHENANTHRENE CARBOXYLIC ACIDS AND THEIR ESTERS
Karl Miescher, Riehen, and Jules Heer and Jean René Billeter, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J.
No Drawing. Application June 29, 1944, Serial No. 542,812. In Switzerland January 10, 1944
12 Claims. (Cl. 260—473)

1. A hydrophenanthrene which is saturated at least in the 1-, 2-, 3-, and 4-positions and which contains, as sole substituents, an alkyl group in each of the 1- and 2-positions, a member selected from the class consisting of the carboxylic acid and carboxylic acid ester groups in the 2-position, and a member selected from the class consisting of phenolic hydroxyl and etherified phenolic hydroxyl in the 7-position.

2,459,835
ALLYLATION OF DIHYDROXY BENZENE
Kenneth P. Monroe, Butler, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application October 24, 1947, Serial No. 782,041
13 Claims. (Cl. 260—621)

1. A process of allylating dihydroxybenzene comprising: dissolving the dihydroxybenzene in an acid reacting buffer solution, adding a series of aliquots of allyl halide with stirring in the presence of a base while maintaining a pH of the reaction solution between 5 and 7.

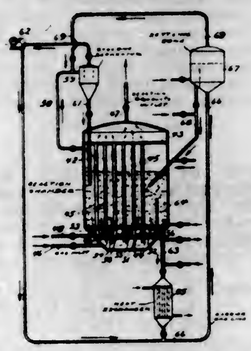
2,459,836
CONTROLLING REACTION TEMPERATURES
Eger V. Murphree, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 11, 1942, Serial No. 468,630
3 Claims. (Cl. 23—1)

1. A process for controlling reaction temperatures which comprises, carrying out the reaction in indirect heat exchange relationship with a relatively large body of finely divided solid material, passing a gas upwardly through said solids at a velocity adjusted to maintain a turbulent dense fluidized layer of solids on which is superposed a dispersed phase, the quantity of said fluidized solid material being sufficient to absorb relatively large amounts of heat with minimum rise in temperature whereby said fluidized solid serves as a relatively constant temperature bath, removing a stream of fluidized solid material from the dense layer into the top of a vertical column, keeping a fluidizing gas in admixture with the solid throughout the length of the column in an amount sufficient to maintain said solid in a freely flowing, fluidized state to develop thereby a fluid pressure sufficient to discharge the fluidized solid from the base of said column through a tem-

mounted on the frame to provide access to any

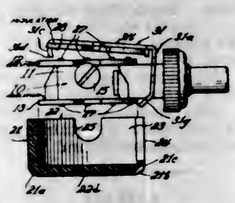
2,459,842

perature modifying zone, modifying the temperature of the solid so discharged through said zone and returning it to said dense layer, thereby regu-



lating the temperature of said dense layer to maintain said reaction temperature within predetermined limits.

2,459,837
HOUSING FOR ELECTRICAL SWITCHES
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind., a corporation of Indiana
Application February 7, 1945, Serial No. 576,620
8 Claims. (Cl. 200—168)

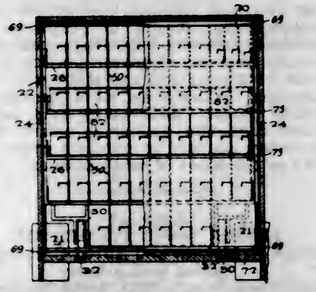


2. A housing for a preassembled electrical switch unit of the type having a side plate at one side thereof and a mounting element extending therefrom adapted for use in mounting a switch included in such unit on a supporting member, said housing comprising an insulating housing member having an open side for detachably receiving said switch unit therewithin with said side plate facing toward said open side and said housing member having a side opening for receiving said mounting element, an insulating cover lying flat against said plate, a U-shaped assembly element having an opening in its base portion for receiving said mounting element, and having legs which respectively overlie the outer surface of said cover and a wall of said housing member opposite to said cover to telescopically maintain said cover, said housing member and said unit in assembled but demountable relationship, and mounting means cooperable with said mounting element for mounting said unit upon a supporting member and for holding said assembly element in a position wherein said legs respectively overlie the wall of said housing member and said cover.

2,459,838
TRIGGER LOCK FOR PISTOLS
John Quinn, Washington, D. C., and Lawrence L. McDenie, Coral Hills, Md.
Application December 2, 1947, Serial No. 789,262
4 Claims. (Cl. 42—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. In a firearm having a cover plate, a holding bushing therefor, a spring constituting a component of a trigger lock for use in said firearm, said spring comprising a leaf having a hole in one end to fit upon the bushing, and a pair of spaced pins at the other end of the spring, one pin being longer than the other pin to serve respectively as a cam actuable by an insertable and removable magazine and as a trigger lock.

2,459,839
DELIVERY TRUCK LOADING AND DISPENSING APPARATUS
Henry I. Richards, Arlington, Va.
Application August 11, 1944, Serial No. 549,646
17 Claims. (Cl. 296—24)

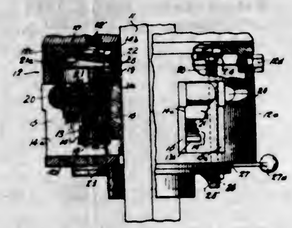


1. A loading apparatus for delivery truck bodies comprising a wheeled frame including package receiving shelves, each of said shelves being provided with a plurality of vertical partitions to form separate package receiving rows, and ejector means mounted on said partitions and defining separate package receiving compartments in each row.

12. A loading apparatus for delivery truck bodies of the type having a load carrying space normally completely open at the front and provided with walls, a roof, and a slotted rear door, comprising a wheeled frame having package-carrying shelves and being constructed and arranged to fit closely within said space adjacent the walls and roof thereof, the spacing of said frame from the truck body providing a passage for the flow of air from the front of the load-carrying space to the rear door slot, and a plurality of vertically movable closure members

mounted on the frame to provide access to any single shelf at a time and otherwise close the front end of the frame to prevent air flow therethrough and to direct air flow thereabout.

2,459,840
PULLDOWN DEVICE
Vernon E. Richardson, Albuquerque, N. Mex., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application February 13, 1943, Serial No. 475,717
8 Claims. (Cl. 24—263.5)

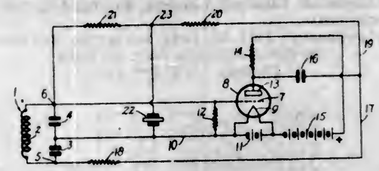


8. A device of the character described including a housing having an axial passageway for a member to be gripped, a plurality of jaws arranged about said passageway to engage said member to be gripped and having outer surfaces inclined relatively to the axis of the passageway, correspondingly inclined guide means between the housing and the respective jaws for individual movement of the jaws in opposite axial directions of said passageway while moving toward and away from said axis, springs between the jaws and the housing for moving the jaws in one direction to grip said member, a jaw backing member for each jaw and having a peripheral surface for engagement with the inclined surface of its respective jaw, and means mounting the backing members for rotary movement in the housing with said peripheral surfaces in engagement with the inclined surfaces of the jaws for maintaining the jaws in gripping contact with said gripped member when the housing is shifted in one longitudinal direction wth respect to the axis of said passageway.

2,459,841
CATHODE
Glenn F. Rouse, Long Branch, N. J.
Application June 8, 1943, Serial No. 490,036
4 Claims. (Cl. 250—27.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

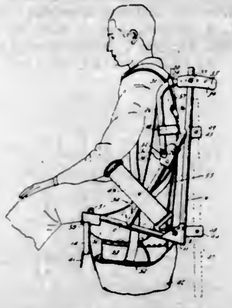
1. A cathode for an electron emission tube, said cathode having a relatively extensive metal surface provided with a large number of small recesses, said recesses having a smaller width at their outer ends than at their bases containing a metal oxide material of high electron emissivity at relatively low temperature.

2,459,842
CRYSTAL CONTROLLED OSCILLATOR
George T. Royden, South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application August 19, 1944, Serial No. 550,245
9 Claims. (Cl. 250—36)



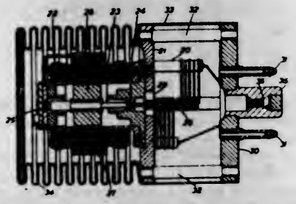
7. In an oscillator for producing oscillations of a predetermined frequency, an amplifier having input and output circuits, means for regeneratively coupling energy from said output circuit to said input circuit and means for degeneratively coupling energy from said output circuit to said input circuit comprising a crystal having a series resonance frequency substantially the same as said predetermined frequency and connected to bypass said degenerative coupling means at said frequency whereby the degenerative effect is minimized at said predetermined frequency.

2,459,843
SLING TYPE SEAT FOR AIRCRAFT
Per F. Scholander, Swarthmore, Pa.
Application March 6, 1946, Serial No. 652,479
10 Claims. (Cl. 244—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



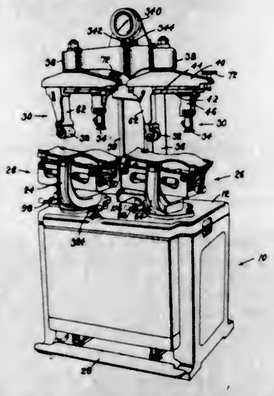
5. An aircraft seat for use by a seat occupant wearing a parachute harness having a seat-pack parachute attached directly to said harness, said seat comprising a supporting frame including a back frame section and a seat frame section, an occupant-supporting sling in the form of a rectangular sheet of fabric, means releasably connecting said sheet of fabric to the back frame section near the upper end of said back frame section and to the seat frame section near the forward end of said seat frame section, said sling being normally worn by said occupant under said parachute harness so as to directly support the seat occupant with said sling being supported only by said means, a pocket supported from the seat frame section and hanging below said section and below said sling, and said seat-pack parachute being normally carried within said pocket independently of said sling when the occupant is using said seat.

2,459,844
CIRCUIT ELEMENT AND MOTOR FOR DRIVING THE SAME
Edward Graham Smith and Edwin Claude Klepp, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company, and S. Smith and Sons (England) Limited, London, England, a British company
Application July 25, 1944, Serial No. 546,534
In Great Britain July 29, 1943
7 Claims. (Cl. 172—36)



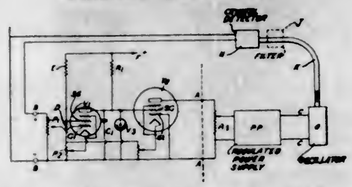
1. Device for the control of the angular position of a rotatable electrical circuit element, including a rotatable shaft connected to said circuit element, a motor of the type having a plurality of windings and a rotor cooperating therewith to control the movement of said shaft in accordance with the relative distribution of currents in said windings, and a single terminal plate common to both said motor and said circuit element.

2,459,845
SOLE-PRESSING MECHANISM
Thomas H. Seely, Melrose, and Lambert S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application August 7, 1946, Serial No. 689,068
23 Claims. (Cl. 12—36)



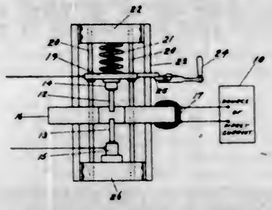
14. Pressure-applying mechanism comprising a plurality of pressing stations each of which comprises a member movable to apply pressure to a work piece, a piston connected to said member, and a cylinder housing said piston, a pump, a rotary valve member controlling communications between said pump and each of said cylinders and arranged in response to successive movements of rotation in one direction to connect the outlet of the pump successively to the cylinders of each station of the machine, and means for imparting successive movements of equal extent in one direction to said valve.

2,459,846
VOLTAGE CONTROL ARRANGEMENT
Charles Norman Smyth and Alan Scott Grant, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 25, 1943, Serial No. 488,457
In Great Britain April 9, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires April 9, 1962
4 Claims. (Cl. 250—36)



2. In combination, an ultra-high-frequency oscillator, a regulator circuit comprising a valve having a cathode, an anode and at least two grids, a source of potentials for said regulator circuit, means for negatively biasing the first grid, a sweep voltage generator comprising a condenser and a discharge lamp bridged in parallel between the anode and the negative pole of said source, a resistance to which the sweep voltage is applied, a variable tapping for applying voltage from said load resistance to said oscillator to cause it to sweep over a range of voltages which is likely to cause oscillation, means for rectifying the output of said oscillator and applying positive D. C. potential therefrom to said first grid, a potentiometer in the last mentioned connection adjusted to produce an anode current flow proportional to said D. C. potential, followed by a corresponding drop in the potential applied to said condenser to arrest the sweep voltage, whereby constant control voltage will be applied to the oscillator while its output amplitude remains constant.

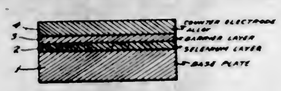
2,459,847
ELECTRIC FLASH PERCUSSIVE WELDING
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 14, 1945, Serial No. 599,405
4 Claims. (Cl. 219—4)



1. The method of electrically welding two metallic parts which comprises moving said parts from a separated position toward each other, impinging one of said parts upon the other, impressing a voltage between said parts sufficient

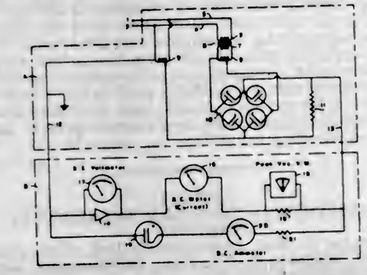
to provide an arc between said parts when a short distance apart whereby an arc is established between said parts as the same approach contacting relation, and maintaining a unidirectional magnetic field across the space between said parts with the lines of force of said magnetic field directed transversely to the lines of electrostatic force between said parts, whereby said arc is provided at a shorter distance than in the absence of said magnetic field.

2,459,848
RECTIFIER ELEMENT
Murray J. Stateman, Brooklyn, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 17, 1945, Serial No. 605,616
4 Claims. (Cl. 175—366)



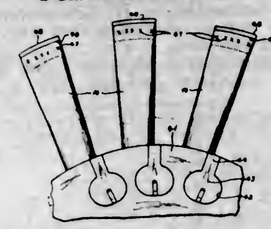
1. In a dry rectifier element a metal base plate, a selenium layer on said base plate, a barrier layer on said selenium layer comprising an organic selenide of a metal of the class consisting of cadmium and tin, and a counterelectrode on said barrier layer.

2,459,849
TESTING CIRCUIT
Murray J. Stateman, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 8, 1946, Serial No. 681,802
9 Claims. (Cl. 175—366)



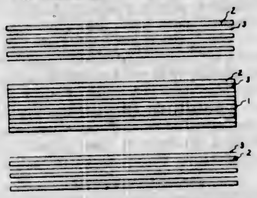
1. A circuit for measuring changes in resistance of a selenium rectifier during electro-forming including a source of voltage having a wave form consisting of voltage pulses of one polarity alternating with voltage pulses of the opposite polarity, means for separately controlling the amplitudes of said pulses of one polarity and said pulses of the opposite polarity, means for connecting said source of voltage across said selenium rectifier so that said pulses of one polarity force currents therethrough in a reverse direction and said pulses of the opposite polarity force currents therethrough in the forward direction, means for indicating the amplitudes of said pulses of one polarity and said pulses of the opposite polarity, means for indicating changes in the magnitudes of the reverse currents and the forward currents through said rectifier during electro-forming.

2,459,850
TURBINE APPARATUS
Samuel S. Stine, Lansdowne, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 10, 1945, Serial No. 634,012
1 Claim. (Cl. 253—77)



In an axial flow turbine or compressor: a rotor and a stator; a circumferential row of radially-extending blades carried by the rotor with their tips adjacent, but spaced slightly from, the stator; and a thin strip of metal secured to one side of each of said blades near the tip thereof and projecting therebeyond toward the stator with its projecting edge conforming to the shape of the opposed portion of the stator, said thin strips of metal having good rubbing characteristics, and said strips being secured to the blades by spot welding, whereby they may be removed and replaced while the blades are mounted on the rotor.

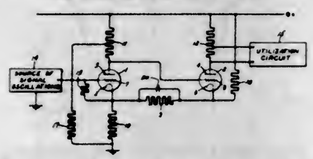
2,459,851
LIGNO-CELLULOSE DIE-STOCK AND PROCESS OF MAKING
Charles F. Story, Laurel, Miss., assignor to Masonite Corporation, Laurel, Miss., a corporation of Delaware
Application December 31, 1941, Serial No. 425,034
2 Claims. (Cl. 154—132)



1. Process of making thick dense slabs having high bond strength from steam treated and exploded ligno-cellulose fiber material and containing a low percentage of water solubles, which comprises the steps of providing a plurality of dense and relatively thin ligno-cellulose fiber boards from the materials described, adjusting the moisture content of said boards to about 3–8%, subjecting a stack of said boards sufficient to make a core slab not to exceed 1¼ inches thick with intermediate films of heat reactive resin glue to pressure of at least 1000 pounds per square inch while applying to the stack surfaces heat sufficient to melt and set the glue through to the center of the stack but not so great as to cause material detrimental effect at the stack surfaces, cooling the stack while under the stated pressure, then applying a plurality of like boards to each face of the core slab so produced with films of said glue in position for gluing said boards to one another and to the core slab, subjecting the stack so produced to heat and pressure as

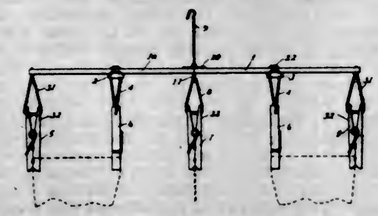
aforesaid, and cooling the resulting slab when the new glue films have set and while still maintaining the pressure.

2,459,852
TRIGGER NETWORK
Harry R. Summerhayes, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 8, 1945, Serial No. 598,361
1 Claim. (Cl. 250—27)



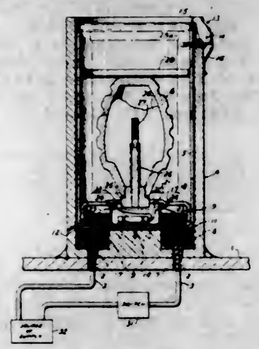
A pulse forming network comprising, in combination, a direct current supply source having positive and negative terminals, a first electron discharge device having an anode, cathode and control grid, said anode being connected through a first resistor to said positive terminal and said cathode being connected through a second resistor to said negative terminal, said control grid being biased so that said device normally draws substantial anode current, a second electron discharge device also having an anode, cathode and control grid, the anode of said second device being connected through a third resistor to said positive terminal and the cathode of said second device being connected through a fourth resistor to the cathode of said first device, a direct connection from the anode of said first device to the control grid of said second device, whereby said second device has a negative bias impressed thereon in response to anode current in said first device, means for increasing said negative bias to maintain said second device normally beyond cut off comprising a fifth resistor connected between said positive terminal and the cathode of said second device and a sixth resistor connected between an intermediate point on said first resistor and said negative terminal, means for impressing a negative pulse on the control grid of said first device of sufficient magnitude to initiate an abrupt reversal in the conditions of conductivity of said two devices, and an output load circuit responsive to voltage variations on said third resistor.

2,459,853
HOSE PROTECTOR
Lewis H. Swetnam, El Paso, Tex., assignor of one-half to Howard D. Fulwiler
Application June 25, 1946, Serial No. 679,228
4 Claims. (Cl. 211—113)



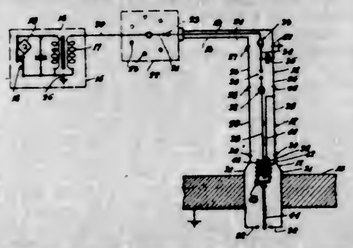
1. In a garment drying rack, a pair of center bars, a hinge connecting the upper side of one end of each bar, a hook connected to the hinge, an eye depending from the hinge, spaced cross bars swivelly connected to the center bars, triangular loops depending from the ends of the bars and the eye, and clothes pins supported by the loops.

2,459,854
GRENADE PROJECTOR
Willard E. Swift, Jr., Foxboro, Mass.
Application April 18, 1946, Serial No. 662,995
6 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A projector for discharging a grenade by electro-magnetic induction, said projector comprising, a cylindrical holder having a raised portion on the interior bottom surface thereof, a primary winding surrounding said raised portion, a projector tube having a closed end, said projector tube retained within said holder by latching means, a first cup-shaped member contained within said projector tube, a secondary winding surrounding said cup-shaped member, and a second cup-shaped member abutting the interior of said projector tube and having a threaded opening to receive the fuse end of a grenade, said member enclosing said secondary winding and capping said cup-shaped member to define a firing chamber, said firing chamber having a propellent charge and a firing squib embedded therein, said squib wired to said secondary winding.

2,459,855
IGNITION SYSTEM AND APPARATUS THEREOF
Alexander C. Wall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application August 12, 1944, Serial No. 549,278
11 Claims. (Cl. 315—85)



1. In an ignition system for internal combustion engines, the combination comprising a converter for changing pulses of electrical current to high frequency electrical energy, a transformer spark plug for stepping up the voltage of said high frequency electrical energy to provide charge-ignition current of high voltage, and a connecting cable having a pair of conductors connected between said converter and the primary of the transformer, said cable having high capacitance and low inductance, said inductance being substantially less than that of said transformer primary.

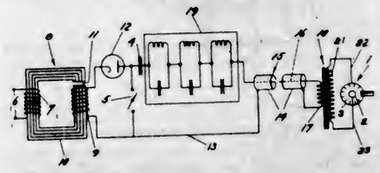
2,459,856
TRANSFORMER SPARK PLUG
Alexander C. Wall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Original application August 12, 1944, Serial No. 549,278. Divided and this application November 16, 1945, Serial No. 629,175
10 Claims. (Cl. 315—57)

1. A transformer - spark plug comprising, in combination, a spark plug structure including a metallic casing having a chamber therein, a pair of electrodes mounted on the spark plug, a transformer secondary winding structure mounted in said chamber including a cup of insulating material and a secondary winding wound around the exterior of said cup, the ends of said winding being connected, respectively, to said electrodes, and a transformer primary winding mounted in said cup.

2,459,857
ATTENUATING LINE FOR ULTRA-HIGH FREQUENCIES
Chester B. Watts, Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application August 17, 1942, Serial No. 455,038
2 Claims. (Cl. 178—44)

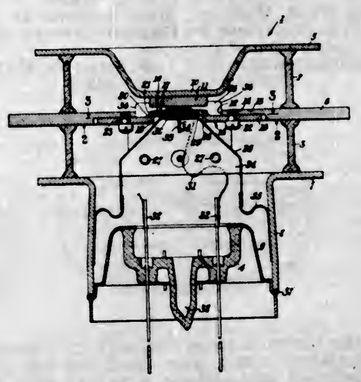
1. A substantially flat load of the type adapted to terminate an ultra-high frequency circuit operating at a frequency of more than five megacycles, consisting of a compact attenuating line comprising a pair of spaced-apart conductors, and a plurality of high resistance resistors having low inductance and low capacity bridged between said conductors, the spacing between adjacent resistors being small compared to the wavelength of the applied frequency, said resistors being so graded that the resistances thereof decrease in a direction away from the input of the line, the power applied thereto being dissipated substantially evenly along the length of the line.

2,459,858
ELECTRICAL PULSE SYSTEM
Vernon C. Westcott, Lincoln, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application December 21, 1944, Serial No. 569,230
6 Claims. (Cl. 320—1)



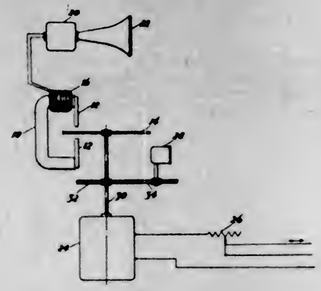
1. A condenser charging and discharging system comprising a condenser, a source of alternating current for charging said condenser, a transformer between said source and said condenser, said transformer including a magnetic core, said core having an air gap of approximately .014 inch, a half wave rectifier between said transformer and said condenser, a load circuit, and means for intermittently connecting said condenser to said load circuit to discharge said condenser into said load circuit.

2,459,859
GRID STRUCTURE FOR ELECTRON DISCHARGE DEVICES
Simeon Weston, New York, N. Y., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 23, 1945, Serial No. 584,422
10 Claims. (Cl. 250—27.5)



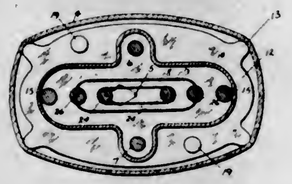
1. An electrode structure for an electron discharge device comprising a bent plate, a multistrand electrode mounted on said plate, a mount for said plate and said electrode and means holding said plate in an altered shape against said mount for bringing said electrode under tension.

2,459,860
ENGINE NOISE EQUIPMENT
Claude E. Wilkinson, United States Navy
Application December 2, 1944, Serial No. 566,383
1 Claim. (Cl. 177—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



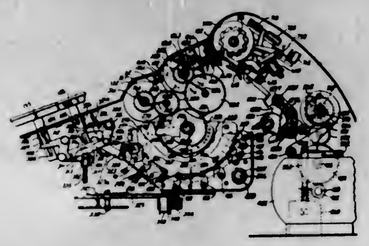
An aircraft engine noise and speed simulator comprising a magnet having its pole members slightly spaced apart, a rotatable disc positioned adjacent said pole members and having a plurality of projections rotatable therebetween through the magnetic flux to provide a flux interrupter, a winding about said magnet adapted to have current induced therein by the interruptions of flux, a speaker connected to said winding, a motor for rotating said disc, means for adjustably controlling the speed of said motor, a tachometer designed to indicate simulated speeds of the engine, and transmission mechanism connected between said motor and said tachometer and designed to cause the latter to indicate simulated speeds of the aircraft engine.

2,459,861
ELECTRODE STRUCTURE FOR ELECTRICAL SPACE DISCHARGE TUBES
Ross Wood, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 21, 1946, Serial No. 655,967
3 Claims. (Cl. 250—27.5)



1. An electrical space discharge tube comprising a cathode, a pair of anodes disposed on opposite sides of said cathode, a pair of grids surrounding said cathode and intervening between said cathode and anodes, and a suppressor grid comprising an imperforate sheet of metal surrounding said grids and having surfaces defining a pair of recesses, one for each of said anodes, said surfaces providing shields extending around the sides of said anodes remote from said cathode.

2,459,862
TEN KEY ENTRY MECHANISM
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Original application October 16, 1943, Serial No. 506,519. Divided and this application March 7, 1945, Serial No. 581,514
16 Claims. (Cl. 235—61)

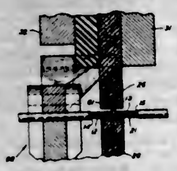


1. In a calculating machine having a multiorder first factor receiving device, a multiorder second factor receiving device, selecting mechanism, and an operation control member; the combination of, means for transmitting movements representative of different numeral values from said selecting mechanism to said first factor receiving device including an ordinally shiftable set-up carriage, shifting means operable under control of said selecting mechanism to shift said carriage into operative relationship with successive orders of the first factor receiving device, means for transmitting movement representative of different numeral values from said selecting mechanism to said second fact ? receiving device including a second ordinally shiftable set-up carriage, and a second shifting means operable under control of said selecting mechanism for shifting the second set-up carriage into operative relationship with successive orders of the second factor receiving device, with shift disabling mechanism normally effective to disable the second shifting means and hold the second set-up carriage out of operative relationship with the second factor receiving device, and shift control means responsive to actuation of said control member for causing said first shifting means to shift the first carriage out of operative relationship with the first receiving device and concurrently rendering said shift disabling mechanism ineffective.

2,459,863
METHOD OF ELECTRICAL BRAZING OF CONDUCTORS
George E. Berggren, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1944, Serial No. 562,848
2 Claims. (Cl. 219—12)

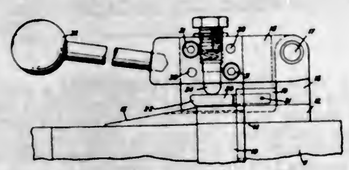
1. The method of brazing stranded electrical conductors of predetermined shape, which comprises clamping a stranded electrical conductor in contact with the bottom of a groove formed in an electrode and having the shape of the conductor, pressing a preformed disc of brazing material of a diameter greater than that of the conductor and a predetermined mass in the groove against the end of the conductor, holding the end of a second stranded conductor against the opposite side of the disc and in contact

with the bottom of the groove, pressing a second electrode against the periphery of the preformed disc with a predetermined amount of pressure, and passing a predetermined amount of current from one of the electrodes to the other electrode for a predetermined period of time, whereby the current initially flows through only the disc of brazing material and melts the brazing



material, the second electrode moves into contact with the end portions of the conductors as the brazing material melts and flows into the interstices between the strands of the conductors, and a current flows through the ends of the conductors after the second electrode has moved into an engagement therewith, whereby a brazed joint is formed of the same diameter as that of the stranded conductors.

2,459,864
STRAP CUTTING TOOL
Norman T. Bissett, Reading, and Norman C. Moore, Haverhill, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 1, 1945, Serial No. 614,016
5 Claims. (Cl. 30—134)



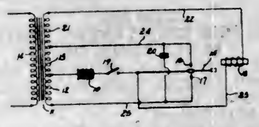
1. A tool for cutting package binding straps, the tool comprising a base having a wedge shaped leading end to facilitate movement of the base between a package and a tensioned strap binding the package, a knife to cooperate with the base to cut the strap, a holder for the knife movable relative to the base to move the knife into and out of its cutting position, and means to grip the strap to hold the ends of the strap created by the cut against flying outwardly.

2,459,865
SHOPPER'S COMBINATION CARRIER AND CONVEYANCE
Sarah E. Bourne, Mount Rainier, Md.
Application May 4, 1946, Serial No. 667,397
2 Claims. (Cl. 280—36)

1. A shopper's package and article carrying and transporting device of the class described, a carrier-truck comprising a relatively small flat board provided on its underside with corner arranged casters, said board being substantially rectangular, and four board lifting, carrying and package tying ropes, each rope being of elongated loop form, the free end portions attached to marginal edge portions of said board, said four such

ropes being situated so that there is one for each marginal edge portion of the board.

2,459,866
VIBRATOR CIRCUIT
Harold J. Brown and Joseph A. Mas, Indianapolis, Ind., assignors to Electronic Laboratories, Inc., a corporation of Indiana
Application November 26, 1943, Serial No. 511,782
6 Claims. (Cl. 175—365)



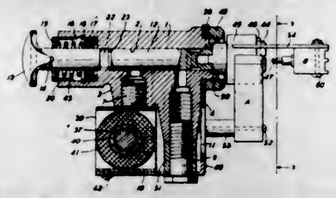
1. In an electrical system for converting current from a direct current source into alternating current, a transformer having a core and a primary winding with opposite end terminals, oppositely disposed contact means respectively connected to the opposite end terminals of said primary winding, vibratory contact means disposed between said oppositely disposed contact means and connected to one side of the direct current source, a center tap for said primary winding connected to the opposite side of said direct current source, a driving magnet for said vibratory contact means, said driving magnet having a coil, and circuit means for energizing the coil of the driving magnet, said circuit means comprising an induction winding surrounding the core of the transformer, said induction winding having a first and a second end connection, said first end connection being connected to an end terminal of the primary winding and said second end connection being connected to one side of the coil of the driving magnet, the other side of the coil of the driving magnet being connected to the vibratory contact means.

2,459,867
GUNNERY TRAINING DEVICE
Russell B. Buchanan, Lynbrook, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 12, 1945, Serial No. 622,066
12 Claims. (Cl. 35—25)

6. In apparatus in a trainer for simulating the hydraulic control of a gun charger by a gun charger control valve, means for simulating the production of a hydraulic pressure adequate to

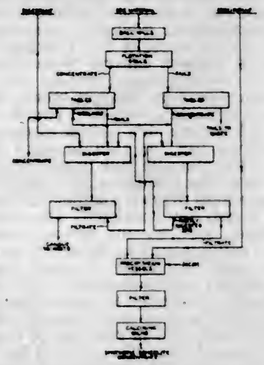
against the adjacent bevel gear thereby disabling

pull back the bolt of the gun to safety the gun, a gun charger control rotatable to a gun safetying position and then depressible for simulating a gun charger control valve, a relay operable in response to the rotation and depression of said control, means for locking said control in its depressed position, a magnet operable for releasing said locking means in simulation of the increase



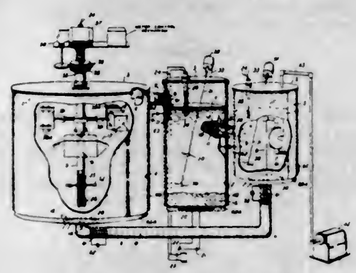
in hydraulic pressure to a value adequate to pull out the bolt of a gun, a relay operable in response to the operation of said first relay if said hydraulic pressure simulating means is in a condition representative of said adequate pressure to cause the operation of said release magnet, and means controlled by said latter relay to simulate the reduction of hydraulic pressure incident to pulling back the bolt of a gun to safety the gun.

2,459,868
METHOD FOR RECOVERING TUNGSTEN VALUES FROM ORE
Blair Burwell, Grand Junction, Colo., and Joseph H. Brennan, Niagara Falls, N. Y., assignors to United States Vanadium Corporation, a corporation of Delaware
Application August 14, 1942, Serial No. 454,762
6 Claims. (Cl. 23—24)



5. A method of treating a tungsten ore material to recover tungsten as calcium tungstate therefrom, which method comprises separating said ore material by flotation into a tungsten-rich portion and a tungsten-poor portion; separately tabling both said tungsten-rich portion and said tungsten-poor portion, thereby recovering from said tungsten-rich portion a high-grade tungsten concentrate, a middling-grade tungsten concentrate, and a tailing-grade tungsten concentrate and from said tungsten-poor portion a low-grade tungsten concentrate and gangue; digesting said middling-grade, tailing-grade, and low-grade tungsten concentrates with an alkaline digestant in a plurality of countercurrent stages, said middling-grade tungsten concentrate and said low-grade tungsten concentrate being digested in a first digestion stage with digestant recovered from a second digestion stage, thereby recovering from said first digestion stage a tungsten-containing liquor and partly digested ore material, and said tailing-grade tungsten concentrate and said partly digested ore material being digested in a second digestion stage with fresh digestant, thereby recovering from said second digestion stage digestant and a residue of insoluble material; and adding a calcium compound to said tungsten-containing liquor, thereby precipitating calcium tungstate therefrom.

2,459,869
CRYSTAL GROWING APPARATUS
Carl J. Christensen, Summit, and Albert C. Walker, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1946, Serial No. 689,672
6 Claims. (Cl. 23—273)

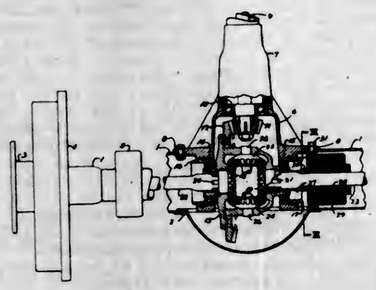


1. A crystallizer system comprising a plurality of more than two separate interconnected vessels each having inlet and outlet openings and including a saturator vessel, an unsaturator or superheat vessel, and a crystallizer vessel, and conduits cyclically connecting said vessels in the order from said saturator vessel to said unsaturator vessel and from said unsaturator vessel to said crystallizer vessel and from said crystallizer vessel back to said saturator vessel, said conduits comprising a conduit connecting said outlet opening in said saturator vessel with said inlet opening in said unsaturator vessel, a conduit connecting said outlet opening in said unsaturator vessel to said inlet opening in said crystallizer vessel, said last-mentioned inlet opening being an opening extending through the lowermost part of the bottom of said crystallizer vessel, and a conduit connecting said outlet opening in said crystallizer vessel with said inlet opening in said saturator vessel, a temperature sensitive device disposed in said saturator vessel, a heater electrically connected with said temperature sensitive device and disposed adjacent said saturator vessel, a temperature sensitive device disposed in said unsaturator vessel, a heater electrically connected with said last-mentioned temperature sensitive device and disposed adjacent said unsaturator vessel, said crystallizer vessel having disposed therein work carrying means, a temperature sensitive device disposed in said crystallizer vessel, and a heater electrically connected with said last-mentioned temperature sensitive

device and disposed adjacent said bottom inlet opening in said crystallizer vessel, said temperature sensitive devices being independently responsive to predetermined temperature values.

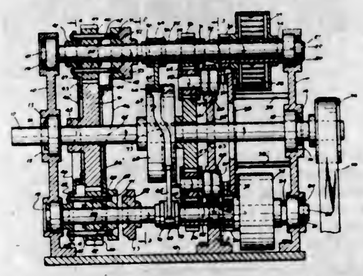
5. The method of growing crystals from nutrient solution circulating in contact with excess solid salt disposed at a point along the path of travel of the solution passing successively through a saturator stage, a separate superheat or unsaturator stage and a separate crystallizer stage, which consists in circulating the solution cyclically in a path of travel passing from the saturator stage to the unsaturator stage, from the unsaturator stage to the crystallizer stage and from the crystallizer stage back to the saturator stage, stirring the solution in contact with the excess solid salt in the saturator stage, heating the solution in the saturator stage to a temperature value sufficiently above its saturation point temperature to render it sufficiently unsaturated to add additional solute thereto from the excess solid salt therein, filtering the solution sufficiently to remove solid crystalline material therefrom in passing from the saturator stage to the unsaturator stage, heating the solution in the unsaturator stage to a different temperature value above said temperature value in the saturator stage and sufficiently above its saturation point temperature to render it sufficiently unsaturated to dissolve crystalline material in the solution passing through the unsaturator stage, moving the heated solution from the unsaturator stage upwardly into the lowest part only of the bottom of the body of solution in the crystallizer stage, heating the lowest part only of the body of solution in the crystallizer stage at a temperature suitable to maintain the upper part thereof saturated at a temperature value sufficiently below saturation point temperature to permit crystallization and growth of the crystals therein, and moving the crystals in contact with the saturated upper part of the solution in the crystallizer stage.

2,459,870
DIFFERENTIAL LOCK
Everett J. Cook, Toledo, Ohio, assignor to Cook Research Laboratory, Inc., Toledo, Ohio, a corporation of Ohio
Application May 30, 1945, Serial No. 596,735
6 Claims. (Cl. 74—712)



1. In a differential gear for equalizing the driving torque between the driving wheels of an automotive vehicle, in combination, a plurality of bevel gears comprising the torque equalizing mechanism of a differential, a collar coaxial with and adjacent the hub of one of the bevel gears, an electromagnet, and a lever system actuated by the magnet and adapted to force the collar against the adjacent bevel gear thereby disabling the differential by driving the adjacent bevel gear into binding engagement with the other bevel gears to permit unequal division of torque to the driving wheels.

2,459,871
SPRING MOTOR
Edward J. Cole, Peekskill, N. Y.
Application December 9, 1946, Serial No. 714,992
3 Claims. (Cl. 185—9)

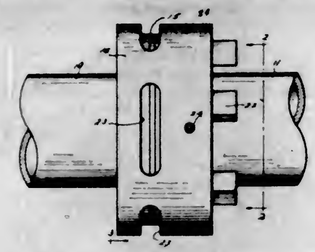


2. In a spring motor, a driven shaft mounted for rotation, a plurality of parallel driving shafts located equi-distantly from the driven shaft and mounted for independent rotation, torsion springs secured to said driving shafts respectively, interengaging gearing mounted on said driving shafts and on said driven shaft, clutch means connected with the gearing on said driving shafts, cam means carried by said driven shaft and engaging with said clutch means for coupling the gearing on each of said driving shafts to its shaft during a portion of each revolution of said driven shaft for turning the driven shaft by the tension of said torsion springs and said cam means retaining the gearing on each of said driving shafts in uncoupled relation with its shaft during the remaining portion of each revolution of said driven shaft, an interengaging train of gearing connecting said driving shafts with said driven shaft for turning said driving shafts by said driven shaft in a direction opposite the direction of rotation of the driving shafts by the tension of said torsion springs, clutch means for coupling the driving shafts with said train of gearing and cam means carried by said driven shaft and engaging said last named clutch means for rendering the same active for coupling each of the driving shafts with said train of gearing during the portion of the revolution of the driven shaft that said driving shafts are in said uncoupled relation with the first mentioned gearing.

2,459,872
COUPLING FOR ROUND PIPES AND TUBES
Frank E. Cox, Brooklyn, N. Y.
Application April 5, 1944, Serial No. 529,653
1 Claim. (Cl. 285—120)

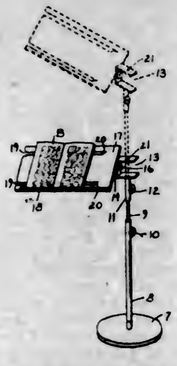
A coupling for straight, smooth faced pipes and tubes of any size, comprising cylindrical male and female coupling members and a collar fitting flush on the adjacent end of each pipe and a ring weld for permanently securing each collar on its pipe, each of said members adapted for abutting against opposite faces of said two collars and to turn freely on the pipes, a gasket having the same outside diameter as the collars and the same bore as the pipes being inserted between said collars, and means for tightening the coupling members

against said collars, said means consisting of interengaging threaded portions on said members, and tightening elements on each of said members, said tightening elements consisting of radial tool slots in the wall of the female member



and lugs protruding from said male member lengthways of the pipes, and removable locking means between said coupling members consisting of a radial set screw in the wall of said female members adapted for engaging said male member to prevent relative turning of said members.

2,459,873
READING STAND
William H. Curtis, Pass Christian, Miss.
Application December 14, 1945, Serial No. 634,988
2 Claims. (Cl. 45—60)



1. In a reading stand, the combination of a table containing a pair of horizontal slots serving to hold sheet material such as newspapers, a support for said table, and means for adjustably holding said table for tilting movement with relation to said support.

2,459,874
COATING COMPOSITION AND SHEETS COATED THEREWITH
Robert E. Fay, Jr., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1947, Serial No. 734,847
8 Claims. (Cl. 117—76)

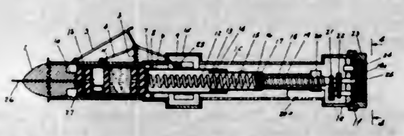
6. The method of preparing an artificial leather which is highly resistant to abrasion which comprises coating a sateen fabric running 1.12 yards per pound per 53" width material with a composition having the following composition:

Copolymer of butadiene and acrylonitrile	pounds	40
Complex terpene resin (advagum)	do	8
Camel whiting (calcium carbonate)	do	12
Stearic acid	ounces	6
Zinc oxide	pounds	2
Non-heat hardening phenolic resin	do	4
Cumarone resin	do	4
Benzothiazyl disulfide	ounces	10
Sulfur	do	10

applying sufficient of the said composition until 3¼ ounces of non-volatile material is applied per linear yard of 50" width material, allowing the solvent to evaporate, and then applying 11 ounces per yard of 50" material of a composition having the following formula in parts by weight:

Polymerized chloroprene	100.0
Copolymer of butadiene and acrylonitrile	100.0
Chlorinated polyethylene (65% chlorine)	35.0
Release agent	6.0
Zinc oxide	70.0
Magnesium oxide	50.0
Calcium carbonate	45.0
Ground leather	45.0
Light process petroleum oil	10.0
Colored pigments	30.0
Benzothiazyl disulfide	4.0
Sulfur	4.0
Phenyl salicylate	0.4

2,459,875
SYRINGE AND AMPOULE
Marvin L. Folkman, Shaker Heights, Ohio
Application September 11, 1944, Serial No. 553,605
3 Claims. (Cl. 128—215)

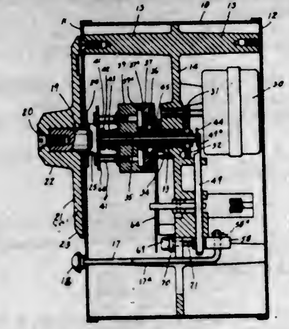


1. In a syringe, in combination, an applicator section for containing medicant, an operating section, and medicant ejecting means in the operating section including a spring case comprising relatively movable spring enclosing sections, a spring in the case, instrumentalities to compress the spring by relative movement of the case sections including a handle turnable on the operating section and a member operable by the handle to move a case section to put the spring under compression, and manually controllable detent means to normally restrain a section of the case against medicant ejecting action under the action of the spring.

2,459,876
ADJUSTABLE TIME INTERVAL CONTROL DEVICE
Percy O. Gibson, Kokomo, Ind.
Application October 18, 1945, Serial No. 623,139
2 Claims. (Cl. 161—1)

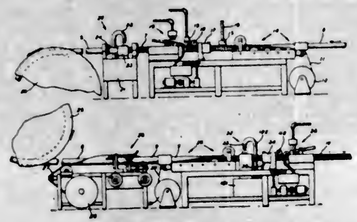
1. A variable interval control device including in combination a motor, a clutch, an actuator clutch connected to the motor and rotatable thereby, switch means for motor control, means simultaneously effecting clutch operation and switch means operation and operable by the actuator at the expiration of a predetermined interval for motor stoppage and clutch disconnection, a manual initiator for actuating the

said simultaneous means, the latter including an over-center holding arrangement, and spring



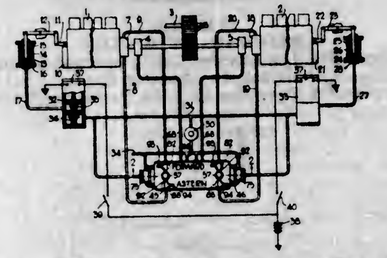
means normally constraining the said simultaneous means to non-clutching and open switch position.

2,459,877
APPARATUS FOR MAKING MULTIPLY CABLE SHEATHS
Randall Gillis, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1944, Serial No. 532,613
1 Claim. (Cl. 113—33)



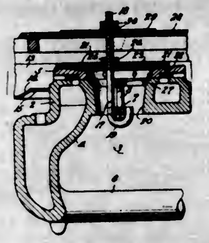
An apparatus for making electrical conductor cable in one continuous operation and comprising a sequence of forming rolls to fold a longitudinally advancing tape of sheath material about a longitudinally and horizontally advancing core into a sheath on the core and having a seam therein running longitudinally along the top of the sheath, a nozzle to apply sealing material to the seam of the sheath on the advancing core, a heated member pressed against the seam of the sheath on the advancing core to cause the sealing material to seal the same hermetically, a guide sheave to receive the advancing sheathed core and lead the same through an arcuate path to advance longitudinally and horizontally with the seam of the sheath on the bottom of the sheathed core, and a second sequence of forming rolls to fold a longitudinally advancing tape of sheath material about the longitudinally and horizontally advancing sheathed core into a second sheath over the first sheath and having a seam therein running longitudinally along the top of the second sheath, a second nozzle to apply sealing material to the seam of the second sheath on the advancing core, and a second heated member pressed against the seam of the second sheath on the advancing core to cause the sealing material to seal the same hermetically.

2,459,878
PLURAL ENGINE CONTROL SYSTEM
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application July 30, 1942, Serial No. 452,950, now Patent No. 2,407,877, dated September 17, 1946. Divided and this application April 30, 1943, Serial No. 485,116
9 Claims. (Cl. 60—97)



3. An apparatus for controlling operation of a clutch for each of two reversely operating prime movers, for transmitting power from the respective prime mover, said apparatus comprising in combination, two individual and relatively movable levers, means responsive to movement of one of said levers to selectively render one of said clutches either effective or ineffective, other means responsive to movement of the other lever to selectively render the other clutch either effective or ineffective, and means automatically operative upon movement of either one of said levers to render the respective clutch effective to maintain the other clutch ineffective.

2,459,879
CLAMPING MEANS
Christopher L. Hardwick, Cleveland, Tenn.
Application September 27, 1945, Serial No. 618,918
2 Claims. (Cl. 248—361)

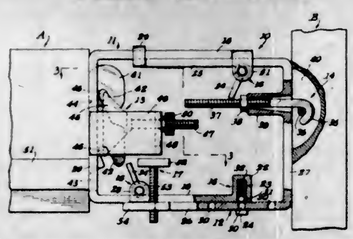


1. A clamping means for securing together upper and lower and intermediate superposed parts, said intermediate and lower parts each having an upper and a lower cross web respectively, said cross webs being of substantially the same width and in vertical alinement with each other, said clamping means comprising a threaded shanked member, hook-shaped means on the lower end of the shank of said shanked member removably engageable beneath said lower cross web and the intermediate portion of said shanked member above said hook-shaped means adapted to extend above and adjacent to one side of said upper cross web, a pair of spaced apertured clamping members, said apertures being offset from but in substantial alinement with one side face of each of said cross webs, said

the latter for movement in one direction along

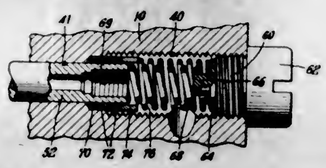
clamping members adapted to be loosely mounted on said threaded shanked member, and nuts cooperating with said apertures and threadedly mounted on the upper end of said shanked member engageable with the upper faces of said clamping members for forcing said clamping members against said upper and intermediate parts respectively whereby said upper, lower and intermediate parts will be clamped together.

2,459,880
BED-RAIL EXTENSION
Glenn Hill, Los Angeles, Calif., assignor to Irvin A. Brock, Los Angeles, Calif.
Application December 22, 1945, Serial No. 636,888
8 Claims. (Cl. 5—181)



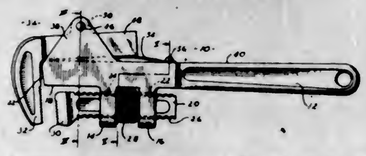
8. A bed-rail extension comprising a member, another member slidable with respect to the first member, cross-pins in one of said members adapted to removably interlock with and fit into the hooks of a standard bed-rail, hook means in the other of said members adapted to removably interlock with and embrace a pin of a standard bed-post, and means for adjusting the distance between said cross-pins and said hook means including a screw device.

2,459,881
BLOWPIPE
Wilgot J. Jacobsson, Plainfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application September 15, 1944, Serial No. 554,190
7 Claims. (Cl. 158—27.4)



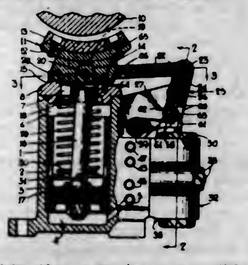
1. A blowpipe comprising, in combination, an elongated pipe containing a gas mixing tube, an elongated mixer nozzle subject to undesirable longitudinal expansion and contraction due to temperature changes and disposed in spaced concentric relation within said pipe to provide an annular passage therebetween, said nozzle being adapted to discharge a stream of gas axially into said tube, means disposed adjacent the front end of said nozzle for spacing the front end of said nozzle from the rear end of said mixing tube to provide a gas inlet to said mixing tube, means for supplying one gas to the annular passage between said nozzle and pipe, means for supplying another gas to said nozzle, gas-tight bearing means disposed between the rear end portions of said pipe and nozzle, the rear end portion of said nozzle being free to expand and contract longitudinally in said gas-tight bearing means, and resilient means urging said nozzle forwardly within said pipe.

2,459,882
SWINGING JAW ADJUSTABLE WRENCH
Rollie Johnson, Edgerton, Mo.
Application February 17, 1947, Serial No. 729,109
1 Claim. (Cl. 81—99)



A wrench comprising a body having a handle on the rear end thereof; a pair of longitudinally spaced and transversely extending sleeves projecting from one edge of the body between the ends thereof and having longitudinally aligned apertures therein, a slidable jaw movable toward and away from the forward end of the body and having a threaded shank positioned within said sleeve apertures, a nut on said shank and positioned in the space between said sleeves, a swingable jaw on the opposite edge of the body having a head overlapping said forward end of the body in close proximity thereto, said head of the swingable jaw extending into the path of travel of said threaded shank, a pair of transversely spaced and longitudinally extending triangular ears projecting from the opposite edge of the handle and at the forward end of the body, said swingable jaw having a rigid shank positioned between said ears and pivotally joined to that apex of each ear remote from said opposite edge, said remote apexes lying in a transverse plane passing through the body substantially midway between the forward end of the body and the forwardmost sleeve.

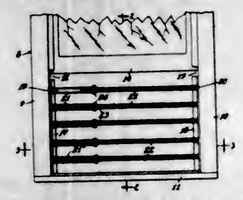
2,459,883
CONTROL APPARATUS
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 27, 1945, Serial No. 625,011
9 Claims. (Cl. 137—144)



2. In combination, a motion reversible member, a longitudinally and transversely movable structure, means for actuating said structure longitudinally into and out of engagement with said member, means to be controlled operable by transverse movement of said structure by said reversible member in either of two directions, stop means engageable by said structure to limit said transverse movement in both directions for

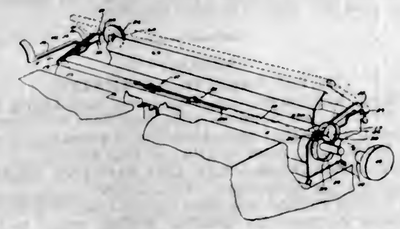
defining two different positions of said structure, and means for holding said structure against transverse movement when disengaged from said reversible member and rendered ineffective by longitudinal movement of said structure into engagement with said member.

2,459,884
SAFETY WINDOW GUARD
Harold Kopf, New York, N. Y.
Application April 19, 1948, Serial No. 21,940
1 Claim. (Cl. 160—223)



A window guard adapted to be inserted into the side channels of a window comprising two angle irons, the angle irons being adapted for upright insertion in the window channels in opposed relationship, a plurality of spaced horizontal dowels disposed vertically along the angle irons and extending inwardly in opposed relationship when the angle irons are inserted in the channels, tubes having outer ends removably disposed over the dowels on one side of the window frame, coacting rods having outer ends removably disposed over the dowels on the opposite side of the frame, the inner end of each rod being threaded and partly located within the inner end of the corresponding tube on the opposite side of the window, and a separate nut mounted upon the threaded end of each rod outside of the tube and adapted to be pressed and tightened against the inner end of the tube.

2,459,885
BOTTOM MARGIN GUIDE FOR TYPEWRITING MACHINES
Helge Krogseng, Bronxville, N. Y., assignor to Krogseng Laboratories, Inc., New York, N. Y., a corporation of New York
Application February 26, 1946, Serial No. 650,162
12 Claims. (Cl. 197—189)



1. A bottom margin indicator for a typewriter having a horisontally disposed platen for supporting a sheet and for moving it through the typewriter; the said indicator comprising an indicating member supported for movement along a linear course; a screw, coacting with said platen and said indicating member for moving the latter along said course in direct proportion to the movement of the sheet through the typewriter; means independent of said sheet for interconnecting said screw and said member, to condition the latter for movement in one direction along said course in response to advancing movement of the sheet through the typewriter; means independent of said sheet for automatically disconnecting said member and said screw upon such advancement of the sheet to a predetermined extent through the typewriter; and means, operative upon such disconnection, for moving said member in the opposite direction.

2,459,886
SELENIUM RECTIFIER
Walter P. Krok, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio
No Drawing. Application November 2, 1945, Serial No. 626,440
8 Claims. (Cl. 175—366)

3. A rectifier comprising a conducting base plate, a selenium layer thereon, said layer having a hydrochloric acid treated surface, and a counter-electrode in contact with said treated surface.

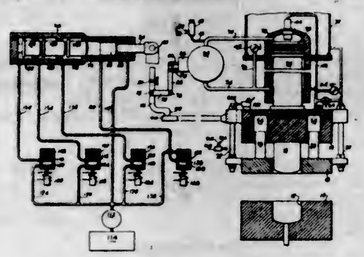
2,459,887
BASEBALL GLOVE
Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application October 7, 1946, Serial No. 701,661
10 Claims. (Cl. 2—19)

10. A baseball glove comprising back and palm covers secured together around their peripheral portions, said palm cover having a ball receiving pocket, padding interposed between said covers and including a base pad seated against the inner face of said back cover, a horseshoe-shaped pad seated on said base pad and two curb pads seated on said horseshoe-shaped pad and extending on opposite sides thereof from its closed end to its open end and shaping and supporting the sides of said pocket and means accessible from the side edge of said glove and entirely clear of said pocket for changing the cross-sectional shape of at least one of said curb pads, said means comprising a marginal extension of said palm cover that extends over the outer side of said curb pad, beneath said palm cover and over the palm cover opposing face of said curb pad and over the inner side thereof, and a lacing extending across the back cover opposing face of said curb pad and through the portions of the extension that cover the inner and outer sides of said curb pad.

2,459,888
MOMENTARY SLOWDOWN DEVICE FOR HIGH-SPEED BLANK HOLDER PRESSES
Robert J. Lindsey, Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application December 6, 1944, Serial No. 566,926
4 Claims. (Cl. 113—45)

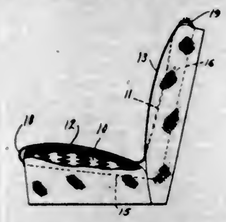
1. The combination in a blankholder press of a main platen, a blankholder platen, a plurality of piston-cylinder means operatively associating said blankholder platen with said main platen,

rods carried by said blankholder platen extending through said main platen and having collars thereon to limit the maximum spacing of said platens while permitting movement thereof toward each other, motor means for advancing said main platen into working position during which time said blankholder is moved toward said main platen and for retracting said main platen from said working position during which time said blankholder moves away from said main platen,



means carried by said main platen to be engaged by one of said collars for retarding the speed of movement of said main platen immediately prior to the engagement thereof with said blankholder platen through said rods and collars, and means comprising annular resilient elements encircling said rods and interposed between said collars and said main platen whereby during the retracting movement of said main platen said blankholder platen is picked up smoothly and without shock.

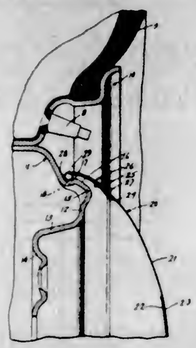
2,459,889
PLASTIC COVER FOR AUTOMOBILE SEATS
George Albert Lyon, Allenhurst, N. J.
Application May 14, 1945, Serial No. 593,664
6 Claims. (Cl. 155—179)



1. A cover for seats such as an automobile seat and the like which includes a seat proper and a back part, said cover comprising integral portions made of sheet thin resiliently pliable form-sustaining plastic material shaped to conform generally with said seat and back parts and also including edge portions bulged away from the extremities of the back and seat parts and which bulged portions will yield outwardly upon occupancy of the seat but will spring back of their own accord to their original contour without deformation upon release of pressure on the seat and back parts.

2,459,890
WHEEL HUBCAP STRUCTURE
George Albert Lyon, Allenhurst, N. J.
Application October 15, 1945, Serial No. 622,448
8 Claims. (Cl. 301—108)

1. As an article of manufacture a wheel hub cap comprising a dished shell of metallic material including a central crown portion and a curved outer margin and an annular ring of highly resilient metallic material curved to conform to and tightly nest over said outer shell margin and having a continuous outer turned edge beyond the outer edge of said shell, said



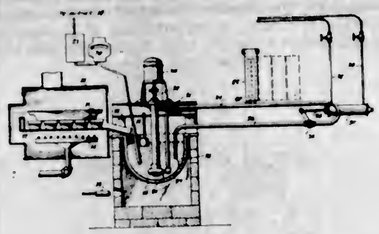
ring providing said cap with a resiliently deflectable outer edge for snap on detachable retaining engagement with a wheel, said crown portion and curved outer margin being connected by an indented shoulder portion and said ring having an inner edge tightly seated on said shoulder portion.

2,459,891
PRESSURE SENSITIVE ADHESIVE MASS
William L. Nelson, Highland Park, and Otto R. Sinnig, New Brunswick, N. J., assignors to Johnson & Johnson, a corporation of New Jersey
No Drawing. Application July 22, 1944, Serial No. 546,218
5 Claims. (Cl. 260—33.6)

1. As a spreadable pressure sensitive adhesive mass a mixture of 20–35% partially cured, rubbery butadiene-styrene copolymer; 5–15% polyisobutylene of a molecular weight of 80,000 to 120,000; 5 to 20% tackifying resin; 10 to 25% of a plasticizer composed of a major amount of low molecular weight, high viscosity liquid polyisobutylene and a minor amount of a high viscosity mineral oil; and 20 to 35% of a filler.

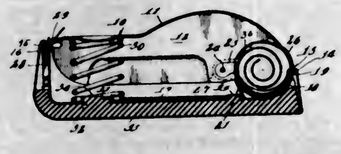
2,459,892
METAL CASTING APPARATUS
Sidney L. Palmer, San Francisco, and Lloyd M. Beckes, San Bruno, Calif., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application December 14, 1945, Serial No. 634,934
3 Claims. (Cl. 22—70)

2. In a casting machine of the class described having a vessel for holding molten metal to be cast, a vertically-disposed mold of the split-type hinged at the top and with a port near the bottom for ingress of molten metal to the mold cavity, a pump in said vessel, a conduit interconnecting said pump and port and returning to said vessel with a valve in the return portion of said conduit, and passageways in said mold so positioned as to effect progressive solidification of the casting from the top downwardly to the port when cooling fluid is circulated therethrough, the combination with said mold of a reciprocable member constituting a part of the mold inner wall when in retracted position, and a combined port



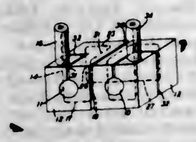
closure and casting ejector when in extended position.

2,459,893
ABRADING DEVICE
Walter P. Peterson, Chicago, Ill.
Application May 27, 1946, Serial No. 672,621
2 Claims. (Cl. 51—187)



1. An abrading device, consisting of an elongated frame member curved at one end and bent at a substantially right angle at the opposite end, a combined hinge and clamping member secured to the curved end and having an outwardly projecting flange and also having inwardly projecting ears, a cover member pivotally connected to said ears and having a clamping edge opposed to said flange said pivotal connection being at a substantial distance from the clamping edge whereby the clamp may be readily opened a sufficient distance for the easy insertion and adjustment of the abrasive strip to be used in the device, said cover member having a clamping projection extending through an opening in the angularly turned end of the frame member and coacting therewith to form a clamp, and a spring between the frame member and the cover member tending to hold the clamping devices in clamping positions.

2,459,894
ELECTRICAL COIL AND A METHOD OF MAKING SUCH
Raymond E. Powell, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,354
8 Claims. (Cl. 219—13)



6. An integral angularly helical conductive member comprising a body of electrically conductive material having a chamber therein and formed with three plane slots in the body all intersecting the chamber and no two slots being parallel or co-planar, the three slots and the chamber being so disposed and proportioned that the substance of the body is thereby divided into integrally united segments in an angularly helically aligned sequence coiled about the chamber.

2,459,895
PROCESS OF RECOVERING BERYLLIUM OXIDE FROM BERYLLIUM ORE
Anton Schormuller, Painesville, Ohio, assignor to Clifton Products, Inc., Painesville, Ohio, a corporation of Ohio
No Drawing. Application July 15, 1943, Serial No. 494,881
3 Claims. (Cl. 23—16)

1. The process of extracting beryllium oxide from beryl which comprises: mixing powdered beryl, having a beryllium oxide content of at least 5% and having alumina therein, with potassium carbonate and sodium carbonate in substantially the proportions of 140 pounds of beryl with 40 pounds of potassium carbonate and with from 65 to 70 pounds of sodium carbonate; fusing the mixture thus formed; cooling and powdering the resultant slag; treating the powdered slag with a sufficient proportion of sulphuric acid to form a liquid slurry therefrom and to decompose the silicates into silica and facilitate the formation of potassium alum from the alumina constituent of the slag; heating the slurry thus produced to change the silica into insoluble silica; extracting the slurry to obtain in solution materials other than silica; filtering out the silica; heating the solution to concentrate same to a specific gravity to about 1.450 while boiling; cooling the solution to form crystalline potassium alum; removing the alum; and processing the resultant liquid for the recovery of beryllium oxide.

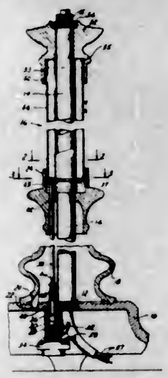
2,459,896
SILVER IMPREGNATION
George Schwarz, Williamstown, Mass.
No Drawing. Application January 18, 1945, Serial No. 573,465
5 Claims. (Cl. 117—138.5)

1. The method of producing on organic fibers a relatively permanent deposit of yellow highly dispersed colloidal silver, which comprises the steps of reducing, in contact with the organic fibers on which the deposit is to be produced, an aqueous solution of a silver compound providing silver ions, by reacting said solution with sufficient of an alkylolamine to effect such reduction.

2,459,897
SILVER IMPREGNATION
George Schwarz, Williamstown, Mass.
No Drawing. Application July 25, 1945, Serial No. 607,089
7 Claims. (Cl. 117—138.5)

1. The method of producing on a surface a deposit of highly dispersed colloidal silver, which consists in the steps of reducing, in contact with the surface on which the deposit is to be produced, an equeous solution of a silver compound providing silver ions, by reacting said solution with sufficient of a heterocyclic secondary amine to effect such reduction, said heterocyclic secondary amine being selected from the group consisting of piperidine, morpholine, thiomorpholine, pyrrolidine, there alkyl and alkylol substitution products, and mixtures thereof.

2,459,898
MEANS FOR ACTUATING ELECTRICAL SWITCHES
Theophile A. Stiffel, Chicago, Ill.
Application April 14, 1945, Serial No. 21,007
7 Claims. (Cl. 240—123)

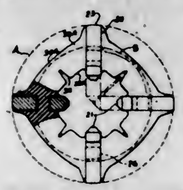


6. In a lamp including a base and a stationary vertical support secured thereto, a switch secured to said lamp exteriorly of said vertical support, a vertically slidable sleeve of substantially the length of the vertical support surrounding said support and vertically movable with respect to and independently of said base, and so constructed and arranged that when depressed it will operate said switch, and spring means for automatically returning said sleeve to its initial raised position.

2,459,899
COLLET
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 4, 1944, Serial No. 521,697
7 Claims. (Cl. 279—51)

1. A collet of wide range for a machine tool chuck having an internal conical cam surface, said collet, comprising a plurality of tapered angularly spaced rigid gripping members symmetrically disposed about the axis of the cam surface, said gripping members being arranged to extend to and be engaged by the cam surface and being movable radially in concert toward and away from said axis whereby the volume of the spaces between them is varied, non-compressible struts of resilient material in said spaces based upon adjacent sides of proximate gripping members and connected to said members, the outer surfaces of said struts being spaced from the cam surface to provide clearances into which the struts may fold, and means including the struts for inducing outward folding of said struts upon axial loading thereof when said gripping members are moved radially inwardly.

2,459,900
COLLET
Arthur Merrick Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application June 20, 1945, Serial No. 600,550
3 Claims. (Cl. 279—46)



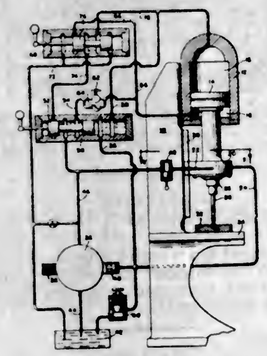
1. A collet of wide range for a machine tool chuck having an internal conical cam surface, said collet comprising a plurality of tapered angularly spaced rigid gripping members symmetrically disposed about the axis of the cam surface and being arranged to extend to and be engaged by the cam surface and being movable radially in concert toward and away from said axis, whereby the volume of the spaces between them is varied, non-compressible non-metallic struts of resilient material in said spaces based upon adjacent sides of proximate gripping members and connected to said members, the outer surfaces of said struts being spaced from the cam surface to provide clearances into which the struts may fold, and means including the struts for inducing outward folding of said struts upon axial loading thereof, said struts having longitudinal grooves of substantial depth formed in their inner and outer surfaces between the gripping members.

2,459,901
PROCESS OF MAKING RHUBARB JUICE
Orin Clark Stout, Hamilton, Ohio
No Drawing. Application October 14, 1944, Serial No. 558,749
5 Claims. (Cl. 99—105)

1. The process of forming an uncooked juice from rhubarb which consists in grinding the stems of the leaves, permitting the ground mass to stand for around two hours or more to develop the color and taste in the fluid portion of the mass from the outer skin of the stems, then settling out the solid matter from the juice while at the same time chilling the juice to a temperature just short of freezing, then adding milk of lime to the decanted juice from the settling stage, to increase the pH of the juice, then settling out the oxalic acid salts, maintaining the juice cold during the settling, and finally adding sugar to the juice.

2,459,902
HYDRAULIC OPERATING CIRCUIT FOR MACHINE TOOLS
Warren R. Tucker, Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del., a corporation of Delaware
Application February 20, 1947, Serial No. 729,782
9 Claims. (Cl. 77—32)

1. In combination; a first fluid motor having an inlet and an outlet; a fluid source connected with said inlet; means of maintaining a predetermined minimum pressure at said outlet; a reciprocable ram having a larger advancing area and a smaller retracting area; means hydraulically connecting said advancing area with said outlet and said retracting area with said inlet; and means responsive to variations in pressure at said outlet for varying the delivery of said fluid source.



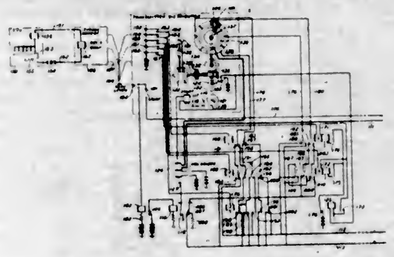
5. In a boring machine; a work support for supporting a workpiece to be bored; a spindle reciprocable toward and from said work support; a rotary fluid motor mounted for driving said spindle; a reciprocating fluid motor having a larger advancing area and a smaller retracting area mounted for reciprocating said spindle; a fluid source serially connected with said rotary motor; means to maintain a predetermined discharge pressure at the outlet of said rotary motor; means responsive to said discharge pressure for biasing said reciprocating motor in its advancing direction; and means responsive to the pressure at the inlet of said rotary motor for biasing said reciprocating motor in its retracting direction.

2,459,903
CATALYST GELS
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 22, 1944, Serial No. 546,229
6 Claims. (Cl. 34—9)

1. The process of drying inorganic oxide gels in the form of small discrete spheroidal particles which comprises suspending in a water-immiscible hydrocarbon liquid bath spheroidal particles of a hydrogel having a strong agglomerating tendency, maintaining said liquid at an elevated temperature at which water exerts a substantial vapor pressure, removing water vapor from the suspension by injecting a desiccating gas therethrough thereby reducing the water content of the suspended gel particles to a point where agglomeration ceases, and thereafter separating the gel particles from the hydrocarbon liquid bath.

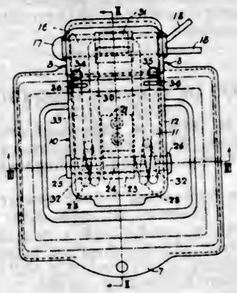
2,459,904
TELEGRAPH SIGNAL CODE TRANSLATOR
Edward F. Watson, Larchmont, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 9, 1943, Serial No. 513,501
13 Claims. (Cl. 178—26)

1. In a telegraph system, a source of thirty-two, five-element, two-condition, permutation code, telegraph signal combinations connected to an electromechanical translator and means in said translator, said means comprising two individual multielement selectors each including a plurality of selectively operable relays, the relays of one of said selectors actuable by a given number of the five elements of said code and the relays of



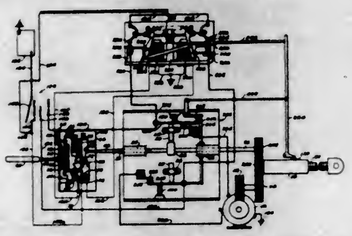
the other actuable by the remaining elements, said means responsive to the reception of any one of said signal combinations, for translating said received combinations into a corresponding particular one of thirty-two four-element, three-condition, permutation code telegraph signal combinations.

2,459,905
JOURNAL BOX LID STRUCTURE
Theodore R. Weber, Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y., a corporation of New York
Application December 4, 1945, Serial No. 632,619
10 Claims. (Cl. 308—47)



1. A journal box structure comprising a journal box having an open face, a cam lug above said face and a pin extending transversely through said lug; a lid closing said face; a carrier having eyes mounted on said pin; an articulated joint connecting said lid to said carrier; and a longitudinally extending hairpin type torsion spring between said lid and carrier including two coiled portions in spring-pressed engagement with said lid at its center portion for holding said lid closed, a yoke extending upwardly from said coiled portions in spring-pressed engagement at its upper end with said lug and an arm extending upwardly from each of said coiled portions, each in spring-pressed engagement at its upper end portion with said carrier between said yoke upper end and said coiled portions.

2,459,906
AUTOMATIC REVERSING CONTROL FOR ELECTRIC MOTORS
Victor Weber, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company, a corporation of Delaware
Original application August 6, 1943, Serial No. 497,613. Divided and this application June 7, 1947, Serial No. 753,276
3 Claims. (Cl. 318—265)



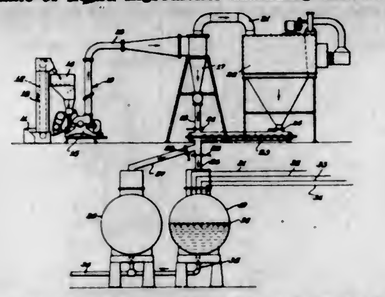
1. In combination, a reversible electric motor, a control switch operable between controlling positions for selecting the direction of operation of said motor, a relay in the motor circuit having an armature initially movable between attracted and released positions upon operation of said switch to one controlling position, means for latching said relay armature in one of its said positions to maintain said circuit energized irrespective of subsequent operation of said control switch to another controlling position, means operated intermittently from said motor in either direction to release said latching means and permit said control switch to cause deenergization of said circuit, position limit switch means in said circuit, means operated from said motor in either direction for operating said limit switch means to deenergize said circuit independently of said control switch, and means operated by said limit switch means concomitantly therewith for releasing said latching means.

2,459,907
METHOD OF CONDUCTING CHEMICAL REACTIONS
Nathaniel M. Winslow, Lakewood, and George W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc., a corporation of New York
Application September 4, 1942, Serial No. 457,330
7 Claims. (Cl. 260—680)

1. Method of conducting a reaction between fluid reactants which comprises passing said reactants concurrently through a unitary mass of porous carbon bonded by carbon to and within and filling the cross section of an impervious tube.

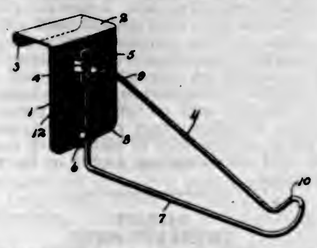
2,459,908
METHOD FOR MAKING CONFECTIONERIES
Justin J. Alikonis, Bloomington, Ill., assignor to Paul F. Beich Company, Bloomington, Ill., a corporation of Illinois
Application July 11, 1946, Serial No. 682,771
2 Claims. (Cl. 99—23)

1. A continuous method of making liquor-derived chocolate confectionery, comprising the steps of concurrently and as a single continuous operation pulverizing predetermined proportions of certain dry ingredients other than cacao ingredient and including sugar to a particle size sufficiently small that approximately 99.5% of said pulverized ingredients will pass a 325 mesh screen, and immediately thereafter discharging and mixing said pulverized dry ingredients as a single continuous operation with a predetermined volume of liquid ingredients including chocolate



liquor prepared from cacao nibs, said mixing being carried out without intervening handling of said pulverized ingredients tending to result in cohesion of particles thereof.

2,459,909
UTILITY GARMENT HANGER
Herman G. Alofs, Grand Rapids, Mich., assignor to Alofs Manufacturing Company, Grand Rapids, Mich., a corporation of Michigan
Application October 29, 1945, Serial No. 625,263
2 Claims. (Cl. 248—303)



1. In a construction as described, a vertical support plate having upper and lower vertical socket eye members therein, and a third horizontally located socket eye member at the lower end and to one side of the upper socket member, and an arm having a vertical section extending upwardly through the lower vertical socket member and at its upper end a laterally turned terminal section passing through said horizontal socket eye member, said arm at the lower end of said vertical section being extended outwardly and return bent and extending to the supporting plate and having a vertical terminal section passing downwardly through the upper vertical socket eye member, said last mentioned terminal section overlapping, at its lower portion, the upper end of said first mentioned vertical section of said arm to thereby maintain the horizontal terminal section at the upper end of said vertical section against outward movement in its horizontal socket.

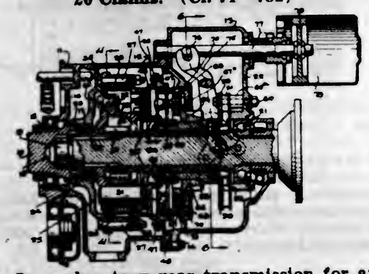
2,459,910
METHOD OF MAKING TOOL PARTS
Walter C. Alvin, Chicago, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application February 23, 1946, Serial No. 649,579
5 Claims. (Cl. 76—101)

3. The method of making the tube gripping members of a flaring tool or the like comprising

the steps of generally shaping a pair of cooperating members, forming a semicylindrical groove in each member, placing a roller formed with ridges of the character desired in the grooves of

the members between the members, and forcing the members together to cause the roller while held stationary to make thread-like ridges in the grooves.

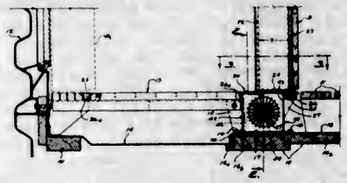
2,459,911
AUXILIARY TRANSMISSION
Benjamin B. Bachman, Philadelphia, and Donald J. Macklin, St. Davids, Pa., assignors to The Autocar Company, Ardmore, Pa., a corporation of Pennsylvania
Application October 18, 1945, Serial No. 623,078
20 Claims. (Cl. 74—781)



1. In a planetary gear transmission for automotive vehicles, a pair of axially alined, relatively rotatable power input and output shafts, a planetary gear mechanism operatively associated with and interposed between said shafts, said mechanism including a ring gear rotatable with one of said shafts and a planetary gear cage rotatable with the other of said shafts, said ring gear and said planetary gear cage being respectively provided with axially alined clutch elements, a sun gear in constant mesh with the planetary gears and rotatably journalled upon the shaft rotatable with the planetary gear cage, and means axially shiftable with respect to said sun gear for clutching together said axially alined clutch elements.

2,459,912
BUNKER AND AIR CIRCULATING FAN ASSEMBLY FOR REFRIGERATOR CARS
Paul K. Beemer, Inglewood, Calif., assignor to Preco Incorporated, Los Angeles, Calif., a corporation of California
Application August 5, 1947, Serial No. 766,399
3 Claims. (Cl. 62—24)

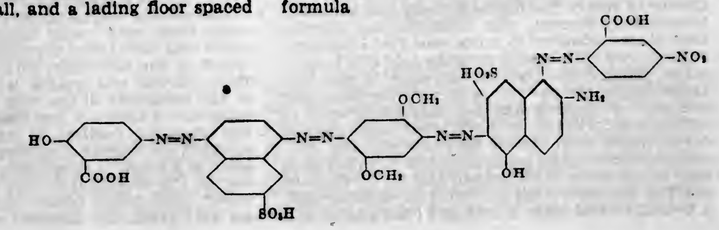
1. In a car construction having a car floor, side walls and an end wall, and a lading floor spaced above the car floor and having an end spaced from the car end wall; a combined ice bunker and ventilating structure comprising, a fan housing structure extending in length across the car floor substantially from side to side immediately adjacent the lading floor end, the fan housing being an elongate unitary box-like structure comprising top and bottom plates and an intermediate vertical wall structure comprising staggered longitudinal wall portions and interconnecting transverse wall portions forming a series of compartments alternate ones of which are open at opposite sides of the housing, the housing being spaced from the car end wall with the upper surface of its upper plate flush with the upper surface of the lading floor and forming the lower part of a transverse wall structure which divides an ice bunker compartment adjacent the end wall from a lading compartment whose floor is formed by the lading floor, a fan driving shaft extending lengthwise through the fan housing, certain of the transverse housing walls being perforate, fan units on the shaft in alternate housing compartments, an ice grate in the ice bunker compartment with its upper surface at the level of the



lading floor surface, and a bulkhead structure extending across the car interior from side to side, the bulkhead structure being movable between a position against the car end wall and a position over the fan housing where it is supported directly on the housing top plate and forms the upper part of the transverse wall structure which divides the ice bunker from the lading compartment, the housing structure including an upwardly facing channel formation extending longitudinally of the structure at a level below the surface of the top plate, and the lower edge of the bulkhead structure being provided with a downwardly projecting bead adapted to enter the channel formation.

2,459,913
METALLIZABLE TETRAKISAZO DYE
Werner Bossard, Basel, Switzerland, assignor to the firm J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application February 26, 1945, Serial No. 579,898. In Switzerland April 4, 1944
1 Claim. (Cl. 260—166)

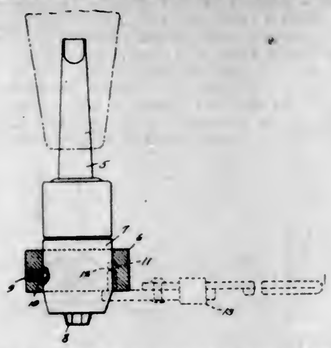
The polyazo dyestuff capable of being metallised, corresponding in the free state to the formula



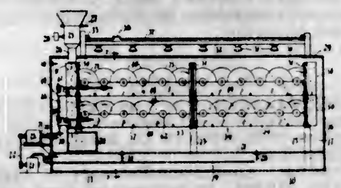
of the said roller from said idler, and below the tially spherical surface above said universal

2,459,914
CHUCK RECONDITIONING DEVICE
Louis B. Brown, Duquesne, Pa.
Application June 18, 1945, Serial No. 600,057
1 Claim. (Cl. 279—60)

The combination with a chuck having a threaded sleeve formed with a tapered inner surface movable over the cam surfaces of the chuck, operating the chuck, said sleeve having openings formed in the outer surface, of a ring having threaded bores extending transversely therethrough, fitted over the threaded sleeve, screws fitted within the threaded bores, the inner ends of the screws extending into the openings of the sleeve removably securing the sleeve to the chuck, said sleeve having vertical bores extending upwardly from the bottom thereof, the bores being arranged in a circular line, and in spaced relation with respect to each other for the reception of fingers of a wrench used in rotating the ring and sleeve.

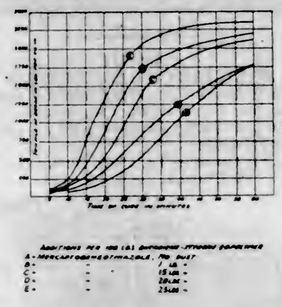


2,459,915
CONVEYER FOR DEHYDRATING MACHINES
Alwin E. Brunne, Toronto, Ontario, Canada, assignor of twenty per cent to Harry M. Sherman, Toronto, Ontario, Canada
Application June 25, 1945, Serial No. 601,407
2 Claims. (Cl. 198—211)



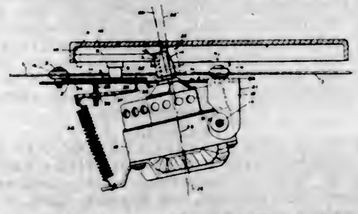
1. In a machine of the class described, a conveyor-frame formed of interchangeable units, each unit comprising a pair of spaced sills, a continuity of rotors journalled therein and arranged transversely thereof, said rotors having interfitting blades adapted to move material longitudinally of said sills, means securing said sills to each other, flanged uprights on the ends of said sills projecting above the rotors thereof for mounting one unit on another and for connecting units in end-to-end relation, a drive shaft substantially co-extensive with one of said sills of each unit, gearing individually connecting the rotors of each unit to the drive shaft thereof and for driving the shaft of one unit from the shaft of another unit, a U-shaped end plate attached to the end of sills of one unit and having blades thereon interfitted with the blades of the adjacent end rotor of this unit, and a U-shaped end plate adapted for attachment to the flanged uprights at the opposite end of a unit for forming a discharge member.

2,459,916
VULCANIZATION OF BUTADIENE-STYRENE RUBBERY COPOLYMER
Alva C. Byrns, Los Altos, Calif., and Gerald von Stroh, Coatesville, Pa., assignors to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application January 26, 1945, Serial No. 574,758
5 Claims. (Cl. 260—79)



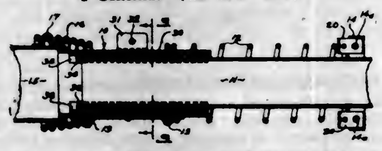
1. As a new product butadiene-styrene copolymer having uniformly admixed therein magnesium nitride particles coated with a plasticizer for synthetic rubber, said nitride being present in the amount of from 0.41 to 1.02 lbs. per 100 lbs. of said copolymer.

2,459,917
SPEED REGULATING MOTOR DRIVE
Blake W. Carrington, Elyria, Ohio, assignor to The General Industries Company, Elyria, Ohio, a corporation of Ohio
Application May 30, 1945, Serial No. 596,749
7 Claims. (Cl. 74—206)



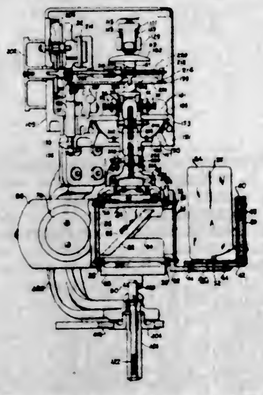
1. A speed compensating frictional drive for a phonograph turntable comprising an upwardly tapered motor driven roller, an idler, and a pendant turntable flange disposed in sequential frictional driving engagement for driving said turntable from said roller through said idler, said roller and idler being normally aligned on a minor chord of the turntable, and with said roller and flange being engageable with different regions of the periphery of the idler which are relatively separated a distance less than the idler diameter, the engaged portion of said turntable flange adapted for frictional driving by the roller driven idler in a rotative direction generally corresponding to the direction of the idler axis from said roller, said roller being laterally tiltable about an axis relatively disposed on the opposite side of the said roller from said idler, and below the plane of the idler, resilient means causing said roller when normally tilted against said idler to yieldably exert pressure thereon, said idler being responsive to the reactive effect of increased motor loads to tend to reactively roll along said flange in such direction as to exert a thrust effect upon said roller to tilt it about its tilting axis and resultantly elevate said roller, said roller having an annular upwardly tapered outer surface, said outer surface engageable with the periphery of said idler throughout all roller tilting positions, and a motor for driving said roller.

2,459,918
SIZE ADAPTION FOR AUTOMOBILE EXHAUST PIPE EXTENSIONS AND THE LIKE
Carroll W. Chester, Los Angeles, Calif.
Application August 28, 1947, Serial No. 771,032
5 Claims. (Cl. 285—198)



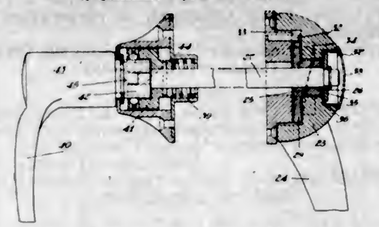
1. An adaption system for fitting a tube to a pipe or the like, said system comprising a size adjusting clamp applied to the tube which is longitudinally slitted to allow of small size adjustments, and a series of removable and replaceable shimming units spaced around the inner surface of the tube; each of said shimming units including a wire extending longitudinally of the tube and having its ends bent and passing through holes in the tube wall.

2,459,919
BOMB SIGHT
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 31, 1944, Serial No. 529,013
13 Claims. (Cl. 33—46.5)



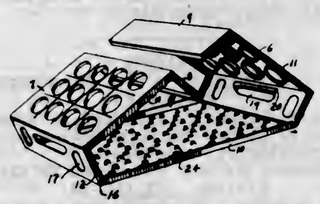
1. A sight comprising a support, a pendulum, a universal mounting connecting the pendulum and said support, a sighting device mounted upon the pendulum below the universal mounting, said pendulum being provided with a substantially spherical surface above said universal mounting, and vibrating damping means intermittently engaging said surface for snubbing vibrations of the pendulum.

2,459,920
DOOR LOCKING MEANS
John Ashley Clark, Harrow, England
Application March 4, 1946, Serial No. 651,686
In Great Britain March 13, 1945
2 Claims. (Cl. 70—223)



1. Means for locking motor vehicle doors comprising an outer lever handle for operating a latch having an actuating spindle, a boss on said handle, a cylindrical extension on said boss coaxial therewith, a sleeve surrounding said extension and rotatable relatively thereto, said sleeve being mounted on the latch spindle, means for locking said sleeve to said extension selectively by axial displacement of the latch spindle, an inner handle having a boss operatively connected to the latch spindle, a cavity with said inner handle boss, a cam face on said boss within said cavity, a member located within said cavity and mounted for sliding movement on the spindle, a cam face on said member complementary to and engaging the cam face on the inner handle boss, said member and handle rotating together during normal operation but being rotatable relatively to one another for causing said axial displacement of spindle to unlock said sleeve from said extension whereby the outer handle may be freely rotated without actuating the latch.

2,459,921
BOTTLE CARRIER
Burt Comer, Wichita, Kans., assignor of one-third to P. F. Comer and one-third to Jerry B. Comer, both of Wichita, Kans.
Application March 31, 1945, Serial No. 585,982
3 Claims. (Cl. 220—21)



1. A bottle carrying device cut from a sheet of relative stiff material and bent to form a bottom, top, end walls and a partition extending parallel with the end walls substantially midway of the device, the bottom being formed at substantially the center of the sheet, the respective edges of said sheet being turned to provide flanges on the respective edges of the bottom, top, end walls and partition, the flanges at the bent points of the

2,459,925
ing a solvent-cast, substantially dry, non-fibrous

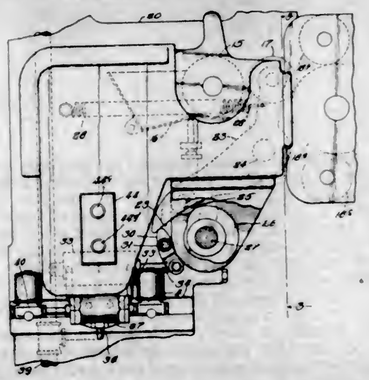
sheets being cut away so that the edges of the flanges at the bent points will meet to form a rigid structure, said top having a plurality of openings for spacing the tops of the bottles, and means on said bottom for spacing the bottoms of the bottles.

2,459,922

LIQUID FEED CONTROL, PARTICULARLY FOR THE INK FEED OF PRINTING PRESSES

Curtis S. Crafts, Oak Park, Ill., assignor to Goss Printing Press Company, a corporation of Illinois

Application December 27, 1946, Serial No. 718,684
12 Claims. (Cl. 101—351)



2. In printing apparatus: a plurality of feed arrangements, each arrangement including a printing liquid supply source, distributing apparatus, a device for delivering printing liquid from said source to said distributing apparatus, and power operated control apparatus for controlling operation of said delivery device, said power operated apparatus being movable between a first position where it prevents said delivery device from delivering printing liquid to said distributing apparatus and a second position where it permits said delivery device to deliver printing liquid to said distributing apparatus; electrical control apparatus for automatically controlling operation of said power operated apparatus between said first and second positions; and switch apparatus for reversing the position of a selected one of said control apparatuses with respect to the other control apparatus.

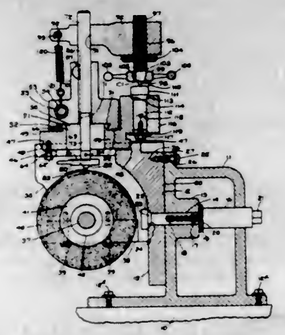
2,459,923

TRUING APPARATUS FOR CENTERLESS MACHINES

George Crompton, Jr., Framingham, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 8, 1946, Serial No. 653,221
6 Claims. (Cl. 125—11)

1. In a truing apparatus having a spindle for the wheel to be trued, a truing diamond, means including a slideway and a slide thereon for moving said diamond rectilinearly, angularly adjustable skew means whereby the slide will move the diamond parallel to the axis of the spindle or at a skew angle thereto, a mounting for the diamond in the slide whereby the diamond can move towards or away from the spindle as the slide moves, and a follower having a point, the combination with said truing apparatus of a template member for said follower having a surface generated from a straight line moving along a curve as directrix, one of the last two parts being connected to the mounting for the diamond and the other stationary with respect to the slideway but adjustable angularly relative thereto, whereby the diamond moves in and out as the follower follows the surface to correct the truing.

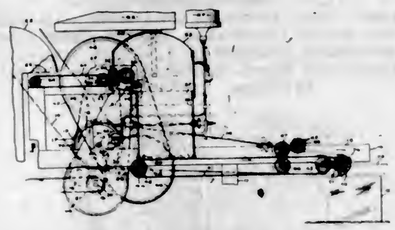


2,459,924

MACHINE FOR CARROTING LOOSE FUR

Edward A. Culhane, deceased, late of Danbury, Conn., by James McP. Culhane, executor, Bridgeport, and David D. Wilson, Danbury, Conn., assignors to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 29, 1945, Serial No. 602,366
2 Claims. (Cl. 68—5)



1. In a machine for carroting loose fur, means providing a vertical compartment open at its lower end, means for delivering fur fibres in a loose and separated condition to the upper portion of said compartment to substantially cover the horizontal area thereof whereby said fibres in said condition may float downwardly through the compartment, means intermediate the ends of the compartment for projecting thoroughly atomized carroting liquid from opposite sides of the compartment, whereby atomized liquid from one side is projected against that from the other side horizontally across substantially the whole horizontal area of said compartment to provide a zone of atmosphere moistened with such liquid and through which said separated fibres fall, and continuously operating means carrying the treated fibres away from the lower end of the compartment.

2,459,925

IMPRESSION INSTRUMENT

Wallas D. Curteman, Kansas City, Mo.

Application October 31, 1945, Serial No. 625,830
5 Claims. (Cl. 18—5.1)

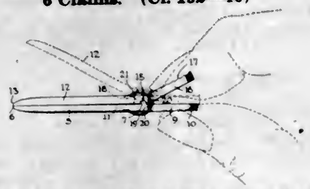
1. An impression instrument comprising, a tubular body, a plunger mounted to reciprocate in said body, a head adapted to engage in one end of said body, said head having a bore extending centrally thereof, a perforated tray member having a tubular stem engaging in said bore in said head, said tray member being shaped to fit the eyeball and surrounding tissue, means for holding said head and cup member in rigid position, and a cup-like member on the outer end of the head adapted to engage against the face of the patient around the eye orifice while the impression is being taken.

2,459,926

HAIR CLIP

Benedetto D'Alberto, Brooklyn, N. Y.

Application April 9, 1947, Serial No. 740,307
6 Claims. (Cl. 132—46)



1. A hair clip of the character described comprising a pair of opposed hair clamping jaws each having a flat main body portion with sides converging to a well rounded point and a finger piece extension reduced in width at the juncture thereof with said main body portions so as to provide end shoulders, one of said jaws having a fulcrum rib extending thereacross adjacent its shoulders, and the other of said jaws having a groove extending thereacross adjacent its shoulders in position for receiving and fulcruming on said rib, the finger piece extensions of the jaws being disposed to bear angular relation one to the other so that the end extremities thereof will be spaced apart when the jaws are closed, and a C-spring extending over the jaw body shoulders at each side of the finger piece extensions and having its ends engaging the jaw body portions so as to constantly tend to hold the jaws together.

2,459,927

PROCESS OF MANUFACTURING REGENERATED CELLULOSE SHEET MATERIAL

Camille Dreyfus, New York, N. Y., Bjorn Andersen, Maplewood, N. J., and Nickolas N. Kojevnikoff, New York, N. Y., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application December 20, 1944, Serial No. 569,106
2 Claims. (Cl. 18—57)

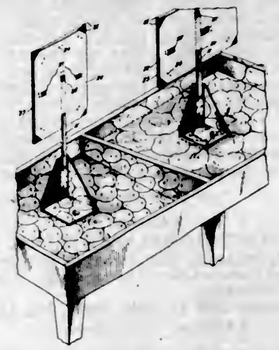
1. Process for the production of regenerated cellulose sheet material, which comprises subjecting a solvent-cast, substantially dry, non-fibrous sheet material having a basis of cellulose acetate to the action of an aqueous solution of acetone containing about 25% by weight of acetone for about 2 minutes at room temperature to effect a swelling of said sheet material, subjecting the swollen cellulose acetate sheet material to the saponifying action of an aqueous solution containing sodium acetate, sodium sulfate and 1 to 10% of sodium hydroxide by weight, whereby there is obtained a regenerated cellulose sheet of improved and substantially uniform directional strength and elongation characteristics, and then treating the regenerated cellulose sheet material with an aqueous solution of a hygroscopic agent.

2,459,928

SIGN HOLDER WITH BASE AND STANDARD

James Roy Edwards, Cincinnati, Ohio, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio

Application February 9, 1944, Serial No. 521,698
6 Claims. (Cl. 40—125)



1. A light-weight, collapsible, sign comprising a sign holder, a detachable standard, and a collapsible base member, said sign holder consisting of a pair of relatively thin flat members, one for supporting a sign and the other for providing a reinforcing support for the first, said other member including a pair of slots for the reception of a supporting standard, one of said slots being spaced from an edge of said other member a distance greater than that which separates the second slot from the opposite edge of said other member, whereby the sign holder can be mounted on the standard to leave different lengths of the standard exposed, said thin relatively flat members being fastened together in their intermediate portions with their marginal portions unfastened and normally contacting to frictionally receive and hold the opposed edges of a sign, and said base member being formed of a relatively flat blank folded to provide a hollow corner construction adapted to receive weight for holding it in position.

2,459,929

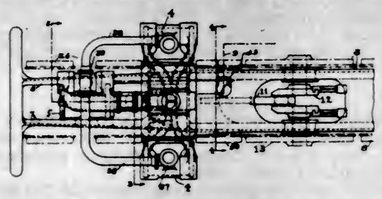
LOCOMOTIVE CYLINDER AND FRAME

Edward O. Elliott, Jenkintown, Pa.

Application September 29, 1945, Serial No. 619,379
6 Claims. (Cl. 105—37)

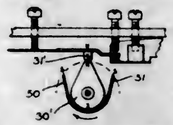
1. In combination, an integral three cylinder locomotive structure comprising a boiler and cylinder saddle for the two outside cylinders and their steam chests, a center cylinder and its

steam chest, spaced a substantial distance ahead of said boiler and cylinder saddle, front and back frame rails spaced longitudinally apart; a longitudinal opening through said saddle; driving mechanism for a crank axle, said mechanism operating through said longitudinal opening; all walls of said longitudinal opening formed integrally with the transverse walls of the saddle; a steam chest for the center cylinder, located to one side of the longitudinal center line of the said cylinder and adjacent one of



the front rails; an exhaust chamber for the steam from the steam chest of the center cylinder, formed adjacent said steam chest; said exhaust chamber being located substantially in the same horizontal plane as the said steam chest and also located substantially on the longitudinal center line of the center cylinder; said center cylinder and its steam chest being substantially joined to and incorporated with one of the front rails; a conduit connecting the exhaust chamber of the center cylinder steam chest with the exhaust passage in the cylinder saddle.

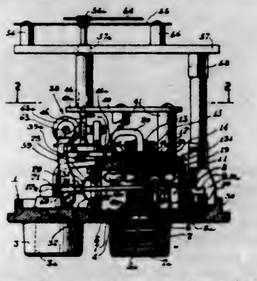
2,459,930
ELECTRIC BALANCE CLOCK
Jean Fink, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Application July 10, 1944, Serial No. 544,190
4 Claims. (Cl. 58—28)



1. In a clock, an electromagnet, a switch for controlling the circuit of said electromagnet, an oscillatory system driven by said electromagnet, a polarized armature associated with said switch, and a magnetic structure included in said oscillatory system and adapted to cooperate with said armature to actuate said switch by magnetic attraction and to restore said switch by magnetic repulsion.

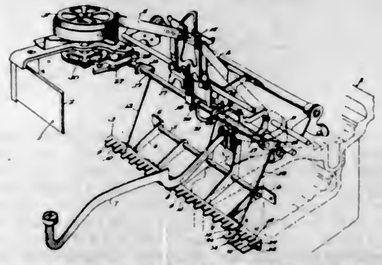
2,459,931
PRESSURE GAUGE
Hans H. Furn, Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 12, 1945, Serial No. 572,540
15 Claims. (Cl. 73—407)

6. In an instrument including a pressure-responsive means and a pivoted indicating member: the combination of lever means pivoted on a predetermined axis and actuated by said pressure-responsive means; a gear pivoted on a second axis at right angles to said first axis and coupled to said indicating member; a first screw-threaded member secured to said lever means and disposed in substantially parallel relation to said first axis, said screw-threaded member having a circular concentric head offset from said second pivot axis; a second screw-threaded member secured to said gear and disposed substantially at right angles to said second pivot axis in spaced relation



therefrom, said second screw-threaded member having an end face confronting the peripheral edge of the head of said first screw-threaded member; and biasing means holding said two screw-threaded members in contact with each other.

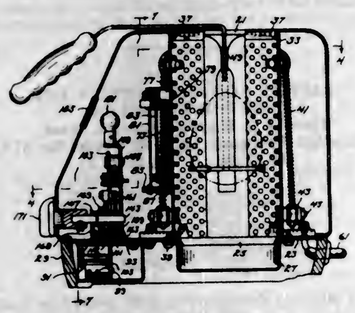
2,459,932
SILENT KEY MECHANISM FOR TYPEWRITERS
Peter F. Gattuso, Chicago, Ill., assignor to Woodstock Typewriter Company, Woodstock, Ill., a corporation of Illinois
Application October 25, 1944, Serial No. 560,224
13 Claims. (Cl. 197—83)



7. A typewriter having escapement mechanism, ribbon feeding mechanism, a depressible bar for effecting operation of the escapement mechanism, an attachment depressible with respect to said bar for effecting operation of only the ribbon feeding mechanism, keys for actuating said bar and attachment, an operative connection between said attachment and the ribbon feeding mechanism for actuation of said ribbon feeding mechanism upon depression of said attachment by an actuating key, and means operable upon depression of the bar by an actuating key and through the medium of the attachment for effecting also operation of the ribbon feeding mechanism.

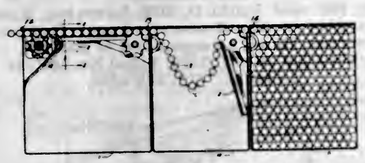
2,459,933
ELECTRIC EGG BAKER
John R. Gomersall, Elgin, Ill., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application May 3, 1943, Serial No. 485,529
1 Claim. (Cl. 99—427)

An egg baker comprising a casing having a pair of top openings, a pair of vertical-walled adjacent cooking chambers of a diameter slightly larger than egg diameter underlying the pair of top openings and separated by a vertical partition, a vertical slot of shorter length than the partition extending downwardly from the upper end of the partition, a bifurcated member having closely spaced opposite arms projecting downwardly into



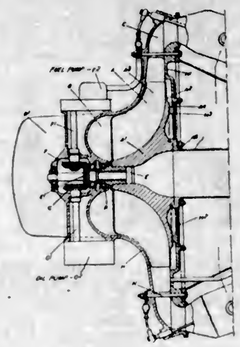
the respective chambers on opposite sides of the partition and having a bridging portion adapted to be removably supported in the slot in the partition, and egg holders secured to the respective arms of the bifurcated member, and removably supported thereby in the respective chambers spaced from and concentric with the walls of the respective chambers.

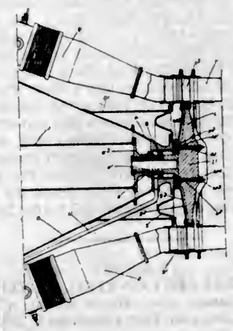
2,459,934
AMMUNITION BOX
John F. Haberlin, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application December 4, 1944, Serial No. 566,570
11 Claims. (Cl. 89—34)



11. An ammunition box comprising a container adapted to receive a section of ammunition belt folded back and forth to form a pile, said container having an outlet opening for ammunition belt in one side thereof spaced sufficiently above the container's bottom for accommodation of such ammunition belt pile below it, and having an inlet opening for ammunition belt in the opposite side thereof also spaced sufficiently above the container's bottom for accommodation of such ammunition belt pile below it, a bridge member, means normally suspending said bridge member in pendent attitude adjacent to one of such openings, and means operable to swing said bridge upward into a position spanning the space between such inlet and outlet openings for supporting and guiding a section of ammunition belt extending between such openings.

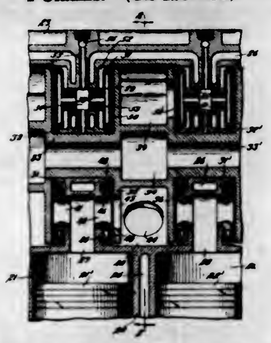
2,459,935
JET PROPULSION PLANT
Frank Bernard Halford, Edgware, England, assignor to The De Havilland Aircraft Company Limited, Edgware, England, a company of Great Britain
Application July 20, 1943, Serial No. 495,518
In Great Britain November 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 21, 1961
4 Claims. (Cl. 230—116)





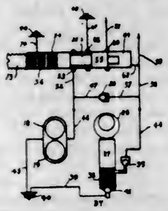
1. In a jet propulsion apparatus, the combination of a frusto-conical casing disposed with its smaller base to the rear, a comparatively large shaft co-axially mounted for rotation within the casing, a centrifugal impeller mounted on said shaft adjacent the larger base of said casing, an auxiliary casing secured to the larger base of said frusto-conical casing and enclosing said impeller, said auxiliary casing having a central intake and a peripheral discharge cooperating with said impeller, a bearing for said shaft and impeller carried by said auxiliary casing, said shaft having a reduced end section extending forwardly through said bearing and a reduced end section extending rearwardly through the smaller base of said frusto-conical casing, a well formed in said smaller base, and a bearing for said shaft mounted in said well.

2,459,936
ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES
Robert H. Hasler, Old Westbury, and Harry P. Stevens, Oyster Bay, N. Y., assignors to The Hasler Stevens Corporation, Mineola, N. Y., a corporation of New York
Application January 15, 1948, Serial No. 2,455
4 Claims. (Cl. 123—80)



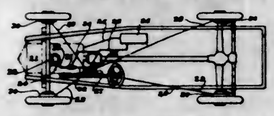
1. In an engine having a cylinder block, a cover for said cylinder block and a valve shaft rotating between said block and cover and having valve discs in cooperative relation with the cylinders, said block and cover having cylindrical chambers in which the valve discs rotate, lubricating pads for said valve discs, pressure responsive means movably supporting said pads in the cover in position for engagement with and disengagement from the faces of said valve discs, the movement of the pads away from the valve discs being sufficient to carry the lubricating faces of the pads below the surfaces defining the walls of the cylindrical valve chambers in the cover whereby said lubricating pads may be retracted below the valve chamber defining walls when the cover is applied to the block over the valve discs and means carried by the cover for applying fluid under pressure to said pressure responsive means for projecting the pads, when the cover is in place on the block, into lubricating engagement with the faces of the valve discs.

2,459,937
HYDRAULIC CONTROL SYSTEM
Fred A. Hassman and Hans Ernst, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 2, 1943, Serial No. 512,664
7 Claims. (Cl. 90—11)



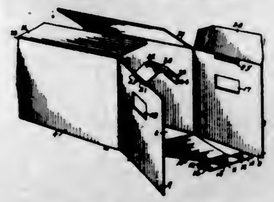
1. In a fluid pressure system for actuating various control devices of a machine tool, a low-pressure high-volume fluid pressure pump, a high-pressure low-volume pump, means for simultaneously connecting the pressure supply from both of said pumps to actuate control devices of said machine tool, means for automatically disconnecting said low-pressure high-volume pump from said devices when actuation thereof has been completed, and means for automatically connecting discharge from said high-pressure low-volume pump to the lubricating system of the machine while maintaining a predetermined relatively high pressure on said control devices when their actuation has been completed.

2,459,938
SAFETY CONTROL DEVICE FOR MOTOR VEHICLES
Harold T. Higgins, Boston, Mass.
Application February 17, 1945, Serial No. 578,532
16 Claims. (Cl. 192—3)



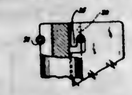
1. A control device for use in a vehicle having a pressure operated brake system including a source of fluid under pressure, a throttle valve controlled engine driving means developing and maintaining fluid under pressure at said source, and accelerator pedal actuated means to control said throttle valve and having a pair of members to be connected, said control device comprising pressure operable means normally interconnecting said pair of members to provide relative movement therebetween to limit the extent to which said throttle valve can be opened by said pedal, said means being operable to connect said pair of members to increase the extent to which the throttle valve can be opened by actuating said pedal, and means responsive to a predetermined pressure at said source to deliver fluid under pressure to said pressure operable means to render it operable.

2,459,939
CONTAINER
Irving Hill and Justin D. Hill, Lawrence, Kans., assignors to The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas
Application July 8, 1946, Serial No. 681,998
2 Claims. (Cl. 229—36)



1. A container including bottom and side walls, flaps on the ends of the bottom and side walls overlapping each other for forming end walls for said container, said side wall flaps having registered hand hold openings and the outer of said side wall flaps having slots above the hand hold openings, locking means on said flaps of the bottom extending through said hand hold openings on the outer of the side wall flaps and engaging between said side wall flaps, said side walls and the outer side wall flaps having closure flaps for forming a cover for said container, and integral tongues having fold lines on the upper edges of the inner of said side wall flaps above the hand hold openings adapted to extend through the hand holds and engaging in the slots for locking the end flaps together.

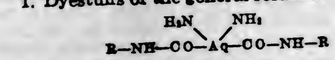
2,459,940
PARTITION DEVICE FOR COOKING POTS
Martin M. Himmel, New York, N. Y., assignor to Edison Products Corp., New York, N. Y., a corporation of New York
Application November 19, 1945, Serial No. 629,465
2 Claims. (Cl. 220—22)



1. In a partition device for the interior of a cooker, a solid vertical support with a base in one plane, whereby the support is adapted to rest upon the floor of the cooker, a plurality of spaced vertical recesses in the lateral wall of the support, a ring embracing the lateral wall of the support, and a partition member containing a hooked portion extending into one of said recesses and mounted over the adjacent ring, whereby the partition member is maintained in a vertical position by the support.

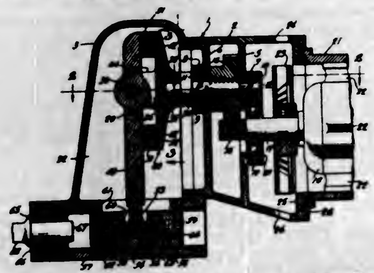
2,459,941
ANTHRAQUINONE VAT DYESTUFFS
Theodor Holbro, Basel, Walter Kern, Sissach, and Paul Sutter, Basel, Switzerland, assignors to Ciba Limited, a Swiss firm
No Drawing. Application June 2, 1944, Serial No. 538,540. In Switzerland June 24, 1943
4 Claims. (Cl. 260—368)

1. Dyestuffs of the general formula



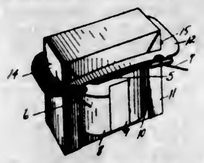
wherein Aq stands for an anthraquinone radical carrying both —CO—NH—R groups in β-position and both amino groups in α-positions orthostanding thereto, and wherein each R stands for a radical of a vattable compound containing a single anthraquinone nucleus.

2,459,942
RECIPROCATING TOOL
Rupert F. Jackson, Cleveland, Ohio, assignor of one-half to Alfred Knudsen, Mentor, Ohio
Application April 1, 1948, Serial No. 18,432
13 Claims. (Cl. 74—45)



1. In a reciprocating tool, the combination of a housing including side walls, spaced transverse partitions in said housing, a shaft rotatably mounted in said partitions, a crank mechanism including a crank-pin secured to one end of said shaft, a sliding block pivotally mounted on said crank-pin, two opposite sides of said block having transversely extending convex surfaces of revolution, a pin mounted in the side walls of said housing forwardly of said crank mechanism, the axis of said pin extending in a direction substantially at right angles to the axis of said shaft, an elongate rocker arm including a pair of spaced pivot arms extending forwardly from the central portion thereof, said pivot arms being pivotally mounted on said pin, a slot in the rearward face of said rocker arm extending transversely thereof, opposite sides of said slot having concave surfaces of revolution complementary to the convex surfaces of revolution of said sliding block, said sliding block being positioned in said slot, the depth of said slot being greater than the depth to which said block and crank-pin extend thereinto, an elongate beam member pivotally mounted on said pin between the pivot arms of said rocker arm, resilient means on opposite sides of said pin connecting said beam to said rocker arm for movement therewith, a cylinder having an elongate axially extending opening connected to said housing, the axis of said cylinder being substantially parallel to the axis of said shaft, a piston in said cylinder, said piston having an axial bore and an elongate axially extending opening leading into said bore, said beam extending through said openings and terminating in the bore of said piston, resilient means pivotally connecting said beam to said piston, and means for rotating said shaft, said resilient means increasing the speed and hitting power of the piston near the ends of its stroke.

2,459,943
TERMINAL MEANS FOR ELECTRICAL DEVICES
Carlos L. Jauss, New York, N. Y.
Application June 7, 1946, Serial No. 675,269
4 Claims. (Cl. 175—21)

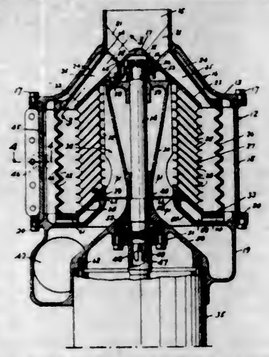


1. An electrical apparatus comprising an electrical coil winding, a casing for said winding and termnal means for said winding supported by said casing, said terminal means comprising an insulating member having a central opening fitted and retained over said casing so as to abut said winding and means on said casing acting upon opposite ends of said insulating member to maintain said insulatng member against displacement.

2,459,944
CENTRIFUGAL SEPARATOR
Leo D. Jones and Hugh S. Barnaby, Philadelphia, Pa., assignors to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 1, 1943, Serial No. 504,562
3 Claims. (Cl. 183—77)

3. In a centrifugal separator for separating non-gaseous constituents from a gas, the combination comprising, a centrifugal rotor having a separating chamber containing a stack of superimposed spaced frusto-conical discs with separating spaces between said discs, vanes interposed between opposing faces of successive discs, said vanes forming channels through which gas

may flow inwardly within the spaces between successive discs during separation of non-gaseous constituents therefrom, a feed zone for conveying feed gas outwardly of said discs into said separating chamber, said feed zone having a plurality of impeller elements for imparting rotation to said gas, a peripheral wall surrounding said discs



and spaced radially therefrom, a plurality of small discharge outlets in said peripheral wall, said discharge outlets being distributed about said stack of discs for the discharge of separated non-gaseous constituents, a discharge zone in the central portoin of the rotor positioned inwardly of the inner circumferences of said discs, said discharge zone increasing progressively in cross sectional area in the direction of flow of gas from the feed zone through said rotor, and a plurality of radially and axially extending vanes in said discharge zone.

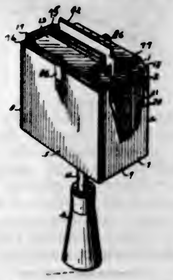
2,459,945

SHARPENING DEVICE

Benjamin H. Johnston, Oklahoma City, Okla.

Application March 4, 1946, Serial No. 651,762

6 Claims. (Cl. 51—59)



1. A device for conditioning the cutting edge of a razor blade comprising, a housing having a closed bottom, side and end walls and an open top, said end walls being provided with an opening near the top of the housing, a frame reciprocable in said housing, means for clamping a blade in the open end of the housing, oppositely facing jaws pivotally carried by the frame, spreaders having tapered side edges carried by the openings in the end walls, means for reciprocating said frame in said housing, means on said jaws engaging the tapered side edges of the spreaders to separate said jaws upon movement of the frame toward the blade, said spreaders having cam surfaces engaging the means on the spreaders to cause said jaws to contact said blade above the cutting edge at the limit of travel of the frame toward said blade, whereby reciprocation of the frame away from the blade will draw the jaws across the edge of the blade to condition the same.

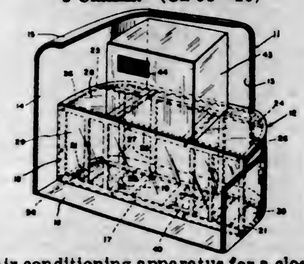
2,459,946

MOUNTING FOR REFRIGERATING APPARATUS AND THE LIKE

Henry O. Kirkpatrick, Detroit, Mich., assignor to Advance Manufacturing, Inc., Detroit, Mich., a corporation of Michigan

Application October 19, 1944, Serial No. 559,399

3 Claims. (Cl. 98—10)



1. Air conditioning apparatus for a closed cargo carrying vehicle, comprising a self-contained portable unit adapted to be completely installed within the interior of a vehicle of the type mentioned at the closed forward end thereof, said unit having a portable frame structure and air conditioning apparatus carried in its entirety by said frame structure, the said frame structure having spaced upright substantially rectangular front and rear sections and connections therebetween providing a hollow open framework of substantially square cross section adapted to rest upon the floor of the vehicle in substantially nestled relation to and be partially closed by the upright front and side walls and floor of the vehicle, means for closing the top of said open framework, including a separate platform secured to said framework and abutting the upright front and side walls of said vehicle, means for closing the rear of said open framework, including a panel detachably secured to said framework and abutting opposite upright side walls of said vehicle, said platform and panel cooperating with the floor and upright front and side walls of the vehicle to close entirely said framework and form a closed chamber, and a hood on top of said chamber, portions respectively of said air conditioning apparatus being within said chamber and hood, the portion within said hood being an evaporator, said closed chamber being provided with means for communication with air inlet and outlet openings in portions of said vehicle whereby air from the atmosphere outside the vehicle may flow to and from said chamber to cool the portion of said air conditioning apparatus within said chamber, and said hood having an outlet opening through which air conditioned by the evaporator within said hood may be discharged into the interior of the vehicle.

2,459,947

BALANCING DEVICE

Jerome Lefiar, Dayton, Ohio, assignor to The Master Electric Company, Dayton, Ohio, a corporation of Ohio

Application January 31, 1944, Serial No. 520,577

14 Claims. (Cl. 74—573)

1. A counterbalancing unit for a rotating body, including a sun gear rotating in unison with the

2,459,951

with an aperture forming a seat, said part of said

body, a relatively revoluble gear member having a number of teeth different from that of the sun gear, mounted in eccentric relation with the sun gear, a counterbalance weight carried by the revoluble gear, a planetary gear simultaneously meshing with the sun gear and revoluble gear, and a rotary mount therefor enabling the planetary gear upon rotation thereof, to travel about

the sun gear and simultaneously rotate the revoluble gear relative to the sun gear to rotatively adjust the counterbalance weight carried thereby into a position wherein it will compensate for an unbalanced condition of the rotating body while all of said gears continue to rotate simultaneously about the axis of the rotating body being balanced.

2,459,948

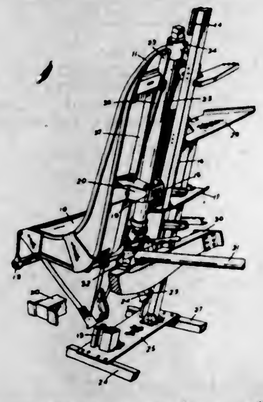
SAFETY DEVICE FOR AIRCRAFT PILOTS

Marcel Jules Odilon Lobelle, Slough, England, assignor to M. L. Aviation Company, Limited, a British company

Application April 11, 1946, Serial No. 661,213

In Great Britain April 12, 1945

10 Claims. (Cl. 244—122)



1. Safety device for use by an aircraft pilot comprising a pilot's seat, means for supporting and for guiding said seat with an upwardly directed motion, ejecting means comprising a plurality of telescoping cylinders, means connecting one of said cylinders to said seat, means connecting another of said cylinders to said seat-supporting means, locking members adapted normally to hold said cylinders in telescoping engagement, said locking members including a retaining means for preventing movement thereof, means for holding an explosive charge in one of said cylinders, means for igniting such a charge, and means operable by such a charge when ignited adapted to render ineffective said retaining means and release said locking members to permit relative movement of said cylinders by said charge.

2,459,949

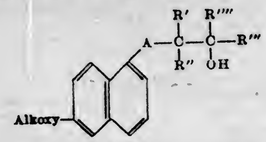
PROCESS FOR THE PREPARATION OF HYDROXY - HYDROPHENANTHRENE CARBOXYLIC ACIDS AND ESTERS

Karl Miescher, Riehen, and Georg Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation of New Jersey

No Drawing. Application October 12, 1945, Serial No. 622,092. In Switzerland November 30, 1944

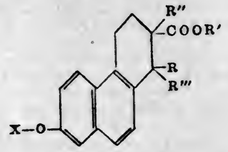
6 Claims. (Cl. 260—473)

1. A process for the manufacture of an hydroxyhydrophenanthrene, which comprises treating a compound of the formula



wherein A represents an unsubstituted ethylene group, R' and R''' represent members selected from the group consisting of unsubstituted saturated and unsaturated lower aliphatic hydrocarbon radicals, R'' represents an esterified carboxyl group and R'''' represents a member of the group consisting of a hydrogen atom and unsubstituted saturated and unsaturated aliphatic hydrocarbon radicals, with an inorganic acid.

5. A compound of the formula



wherein R, R'' and R''' each represents a member selected from the group consisting of unsubstituted saturated and unsaturated lower aliphatic hydrocarbon radicals, R' is a member selected from the group consisting of hydrogen and lower alkyl, and X is a member selected from the group consisting of hydrogen, lower alkyl and carboxylic acid radicals, the —O—X grouping in the latter case being an ester grouping.

2,459,950

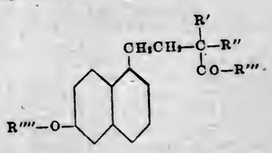
HYDROPHENANTHRENE CARBOXYLIC ACID INTERMEDIATES

Karl Miescher, Riehen, and Georg Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.

No Drawing. Application May 13, 1946, Serial No. 669,462. In Switzerland November 30, 1944

3 Claims. (Cl. 260—473)

1. A compound of the formula

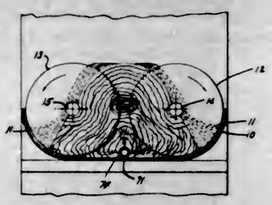


wherein R', R''' and R'''' each represents an unsubstituted alkyl radical, and R'' represents an esterified carboxyl group.

2,459,955

and projecting beyond the inner surface of said

2,459,951
SCREW CONVEYING STEAM DISTILLING APPARATUS FOR POMACE
Ernest Kurt Metzner, Los Angeles, Calif.
Application September 22, 1945, Serial No. 617,996
4 Claims. (Cl. 202—176)



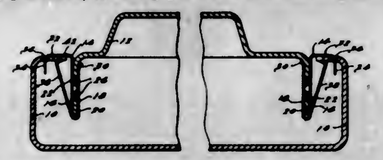
1. An apparatus for recovery of the alcohol in pomace comprising a vessel, a plurality of pairs of screw conveyor flights arranged horizontally in said vessel with the flight in each pair in a side by side relationship and at substantially the same elevation, the different conveyor flight pairs being positioned at different elevations in said vessel with each pair arranged to deliver material to a next lower adjacent pair, a material support shelf positioned beneath each pair of flights to support material moved by said pair of flights, means for rotating each screw conveyor in each pair in a direction opposite to the direction of rotation of the other flight of the pair and with the adjacent edges of the two flights moving upwardly and away from the cooperatively adjacent material support shelf to move material along the shelf and to maintain a mass of material piled up on and between the cooperating adjacent edges of the flights, a pipe arranged along each shelf between each pair of conveyors and having a plurality of jets along the length thereof to release a gas into the mass of material piled up between the pair of flights, and means for discharging material to the uppermost conveyor pair.

2,459,952
STABILIZED ALKALINE VEGETABLE PROTEIN SOLUTIONS
Alfred Frank Millidge, Conventry, and Claude Leonard Knight, Kenilworth, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application January 17, 1947, Serial No. 722,760. In Great Britain February 25, 1946
2 Claims. (Cl. 106—154)

1. An aqueous alkaline solution of vegetable protein which is suitable for extrusion in the manufacture of threads and which contains as a stabilising agent, a cyanide from the group consisting of the alali metal cyanides, the alkaline earth metal cyanides and ammonium cyanide, said cyanide being present in an amount not exceeding about 0.1 per cent based on the weight of the solution.

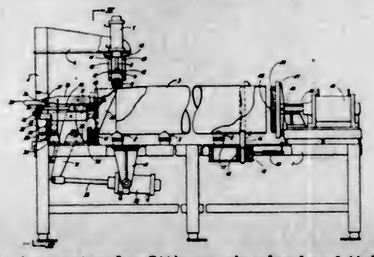
2,459,953
PANEL AND FASTENER ASSEMBLY
Herbert E. Mills, Detroit, Mich., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich., a partnership
Application February 3, 1944, Serial No. 520,993
4 Claims. (Cl. 189—35)

1. A panel and fastener assembly comprising a pair of sheet metal panels, and a threadless fastener, a part of one of said panels being arranged normal to a part of the other of said panels and spaced from the edge thereof, said part of said other of said panels being provided with an aperture forming a seat, said part of said one of said panels being provided with a hole therein, said fastener comprising a U-shaped clip of spring metal having spaced leg portions connected at one end and adapted to accommodate between said leg portions said part of said other of said panels, one of said leg portions of said clip having an integral offset projecting toward the other of said leg portions and engageable with said seat for securing said fastener against separation from said panel on which said seat is provided, said offset having circumjacent edges lying in a plane substantially parallel to said leg portions, said leg portions functioning due to



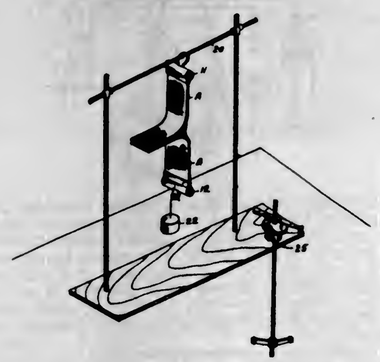
the spring pressure of said clip to hold said offset in engagement with said seat, even though tension, in any direction parallel to and in the plane of said leg portions and said part of said other panel, is exerted on said clip and said part of said other panel to pull them apart, and means provided on one of said leg portions by means of which said fastener is secured to said part of said one of said panels, said means comprising a laterally extending flange and a prong positioned to receive said part of said one of said panels therebetween, and a hook extending into said hole for holding said part of said one of said panels between said flange and prong.

2,459,954
APPARATUS FOR PRESSING ENDS INTO CYLINDRICAL SHELLS
Dwight C. Morgan, Jr., Oakmont, Pa., assignor to Scaife Company, Oakmont, Pa., a corporation of Pennsylvania
Application August 20, 1945, Serial No. 611,586
13 Claims. (Cl. 29—235)



1. Apparatus for fitting a circular head tightly in one end of a cylindrical shell, comprising means for compressing said end of the shell slightly to make it oval, an arm extending lengthwise of the shell beyond said end, said arm having a front end adapted to be connected to said head, another member adapted to engage said head, said arm being movable forward relative to said member to support said head in tilted position adjacent said oval end of the shell, means for effecting relative movement of the head and shell toward each other to insert the head in said oval end, and means for retracting said arm for straightening the position of the head in the shell after said compressing means has been released from the shell.

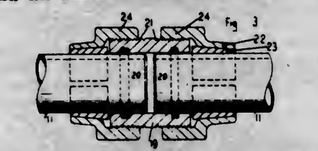
2,459,955
POLYVINYL ACETATE EMULSION ADHESIVE
George Osman Morrison, Thomas Patton Gladstone Shaw, and Joseph Donat Paul-Emile Mercier, Shawinigan Falls, Quebec, Canada, and Henry Michael Collins, Stamford, Conn., assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada, a corporation of Canada
Application November 9, 1945, Serial No. 627,760
In Canada October 17, 1945
2 Claims. (Cl. 260—17)



1. An adhesive composition comprising (A) a stable aqueous emulsion of polyvinyl acetate formed by emulsion polymerization, said emulsion having a viscosity within the range from 100 to 5000 centipoises at 20° C. and containing as emulsifiers (a) gum tragacanth within the range from 0.25% to 1.0% by weight of the emulsion, (b) partially hydrolyzed polyvinyl acetate, which contains from 16% to 35% by weight of polyvinyl acetate, within the range from 0.25% to 0.75% by weight of the emulsion, and (c) an anionic surface-active agent, said polyvinyl acetate having a viscosity (measured at 86 grams per litre in benzene at 20° C.) greater than 20 centipoises and being present in an amount ranging from 40% to 60% by weight of the emulsion: (B) a plasticizer for polyvinyl acetate selected from the group consisting of dimethyl phthalate, diethyl phthalate, diamyl phthalate, diisoamyl phthalate, dibutyl phthalate, dimethoxy ethyl phthalate, dibutoxy ethyl phthalate, butyl-carboxy-methyl butyl phthalate, ethyl-carboxy-methyl ethyl phthalate, ethyl-carboxy-methyl methyl phthalate, acetyl triethyl citrate, O-nitrodiphenyl, dimethyl sebacate and monobutyl benzene sulphonamide, in an amount ranging from 20% to 180% by weight of the polyvinyl acetate; and (C) nitrocellulose, of less than 100 seconds viscosity, present in an effective amount of up to 20% by weight of the polyvinyl acetate.

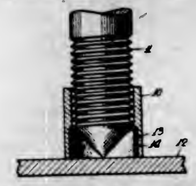
2,459,956
PIPE COUPLING
Johan A. Muller, Dayton, Ohio, assignor to John L. Lens, Dayton, Ohio
Application May 16, 1945, Serial No. 594,056
2 Claims. (Cl. 285—123)

1. In a pipe coupling, a sleeve adapted to receive the end portion of a pipe, having in the inner surface thereof a circumferential groove and having an exteriorly threaded end portion, an annular sealing member seated in said groove and projecting beyond the inner surface of said sleeve to engage said pipe about the entire circumference of the latter, means to secure said pipe in said sleeve comprising a split collar mounted about said pipe adjacent said sleeve, said split collar being separate from said sleeve having a uniform inside diameter and a smooth interior surface throughout the length thereof, and having an outwardly tapered exterior surface, and an annular clamping member having



an interiorly threaded portion engaging the threaded portion of said sleeve and having an outer end portion extending about said split collar, said outer end portion of said clamping member having a smooth inwardly flared interior surface conforming to and engaging the tapered exterior surface of said split collar, whereby the inward movement of said clamping member will clamp said split collar in firm frictional contact with said pipe.

2,459,957
WELDING STUD
Walter E. Palmer, Fair Lawn, N. J., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware
Application May 3, 1945, Serial No. 591,711
5 Claims. (Cl. 287—20.2)



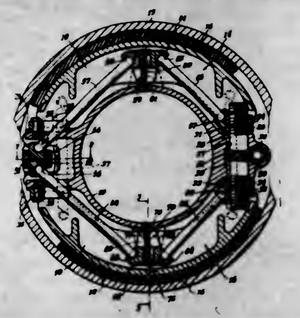
1. An article of manufacture for use in the welding of a stud to a plate, said article comprising an annular ferrule of fire resistant material adapted to receive the stud, and an annulus of form retaining fluxing composition adhering to and carried by the inner surface of said ferrule.

2,459,958
INTERNAL SHOE DRUM BRAKE
Frank Gordon Parnell, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England
Application June 30, 1945, Serial No. 602,559
In Great Britain June 30, 1944
11 Claims. (Cl. 188—78)

9. An internal shoe drum brake of the kind referred to, wherein shoe expanding mechanism for at least one of the shoes comprises a V-shaped toggle linkage extending along the shoe, connecting means between said toggle linkage and the shoe in the region of the elbow of the toggle linkage, said connecting means being connected to the shoe intermediate the ends of said shoe, an abutment member for one end of the said linkage and serving as an anchorage for the toggle linkage, said abutment member being formed with an abutment surface which is engaged by the

shaft extending beyond the first mentioned sup-

adjacent end of the corresponding brake shoe, and being located by adjusting means for setting the "off" position of the brake shoe and at the same time taking up slack in the toggle linkage,



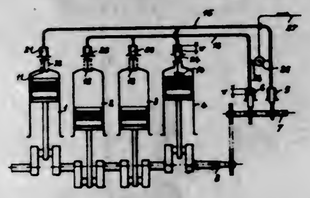
and actuating means to move the other end of said toggle linkage towards said abutment member, so as to cause the elbow of the toggle linkage to force the shoe outwards into engagement with the drum.

2,459,959
SINKER
Joseph Pelmarsh, Milwaukee, Wis.
Application March 10, 1944, Serial No. 525,896
2 Claims. (Cl. 43—52)

1. A sinker formed of soft metal and having a central body portion of large transverse dimension tapering toward its ends to a smaller dimension and each of the ends having integral therewith flattened portions providing relatively thin structures each of which has a slot therein, the slots extending in opposite directions to each other, the portions providing the edges of each slot being capable of being readily moved relatively to each other by manual manipulation without the use of tools so as to open and close the slot, such characteristic of the flattened portions being due to the material of which said sinker is made.

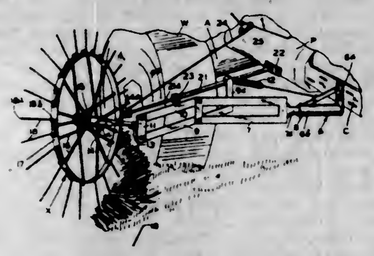
2,459,960
INTERNAL-COMBUSTION ENGINE
Richard Périssé, Paris, France
Application February 10, 1939, Serial No. 255,716
In Germany February 11, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires February 11, 1958
7 Claims. (Cl. 123—90)

1. In an internal combustion engine comprising at least two cylinders each having an inlet valve, said cylinders being operated in synchronism and with a phase difference whereby different pressures will obtain within said cylinders at least over a substantial portion of a cycle of operation, in combination, a source of operating fluid, an actuating member for each of said valves, said member being responsive to pressure by said operating fluid to lift the associated valve from its seat whenever said fluid pressure bears a pre-



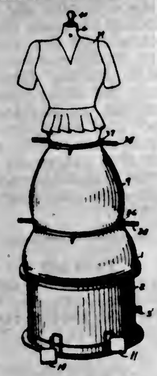
determined relationship with the internal pressure of the respective cylinder, a common conduit for said fluid connecting said actuating members in parallel to said source, and means operative at the source end of said conduit to put said fluid under pressure during said portion of a cycle whereby only the valve of the cylinder having the lower instantaneous internal pressure will operate.

2,459,961
WINDROW LIFTER AND TURNER
Ernest C. Pollard, Welcome, Minn.
Application September 23, 1946, Serial No. 698,798
10 Claims. (Cl. 56—372)



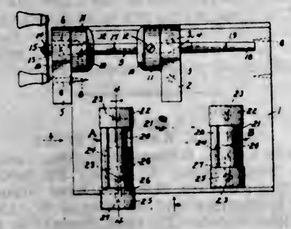
1. A windrow lifter and turner including a mobile frame, a support mounting for a freely rotatable lifting and turning wheel attached to said frame and extending therefrom, the support being secured to the frame for vertical movement with respect thereto, and having a part thereof extending at an angle with respect to the support mounting and the line of travel of the frame, a freely rotatable lifting and turning wheel mounted in a vertical plane on said angularly disposed part of said support mounting and thereby disposing the wheel in an erect plane relative to the ground and at an acute angle to the line of travel of said mobile frame, so that when the frame with the wheel so disposed and engaging the ground is moved and any obstructions are encountered by the said wheel, it and the support therefor will both move vertically either upwardly or downwardly and the stalks of cut crops on the ground over which the frame moves are lifted and turned by the wheel.

2,459,962
GARMENT FINISHING APPARATUS
John H. Richa and Frank E. Hanson, Kansas City, Mo.
Application June 10, 1946, Serial No. 675,780
7 Claims. (Cl. 223—70)



7. In a garment finishing apparatus having a framework structure adapted to support a permeable bag thereon conforming to the contour of a garment and adapted to be inflated to distend the garment including, a base member, means for introducing steam and air to said bag, a suspension member adapted to engage over said framework structure beneath said bag and having its front and back portions attached to the waist portion of said bag to provide fullness in the waist portion of said bag, a cover member for said base having a central opening, said bag having an open bottom portion, a weight member attached to the bottom edge of said bag and engaging said cover member to prevent excessive rise of said bag from the cover member when steam and are are applied thereto, a flexible extension on the bottom of said bag, means securing said extension to the cover member around the central opening to close the bottom of said bag, and ring members insertable over said bag and slidable thereon to regulate distension of the bag in different portions thereof.

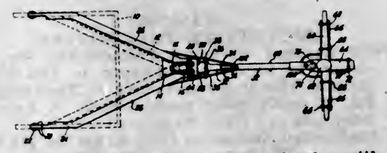
2,459,963
FISHING LINE CHANGER
Martin Luther Roark, Elizabethton, Tenn.
Application May 12, 1947, Serial No. 747,522
5 Claims. (Cl. 242—85)



1. In apparatus of the class described a base, a support mounted on the base midway between opposite sides of the base, a second support mounted on one of said sides, said supports having aligning shaft bearings, a shaft rotatably mounted in said bearings and one end of said shaft extending beyond the first mentioned support to receive a line-carrying-spool, a crank on the other end of said shaft, spaced apart drum flanges on the portion of said shaft which lies between said supports, a reel holder mounted on said base in a position in line with the space between the drum flanges, and a second reel holder mounted on said base in transverse alignment with the extended end of said shaft.

2,459,964
MANUFACTURE OF MALEAMIC ACID
Ralph Sidney Robinson, Hunt's Cross, near Liverpool, and Ernst Ludwig Hamburger, Allerton, Liverpool, England, assignors to Beck, Koller and Company (England) Limited, Speke, Liverpool, England, a British company
No Drawing. Application July 29, 1947, Serial No. 764,574. In Great Britain, October 8, 1946
5 Claims. (Cl. 260—534)

1. A one step process for the direct manufacture of maleamic acid which comprises passing ammonia into a solution of maleic anhydride in an inert organic solvent, the ratio of maleic anhydride to said solvent at the commencement of the reaction being at least 1:10 by weight and the temperature being below the temperature at which maleamic acid resinifies.

2,459,965
TRAILER HITCH
Walter H. Robertson, Elkhart, Ind.
Application January 16, 1948, Serial No. 2,621
10 Claims. (Cl. 280—33.9)

6. A hitch adapted to connect a trailer with a tractor, comprising a pair of elongated rigid units, a rigid adapter for fixed connection with said tractor, a swivel joint connecting one unit with said adapter, the other unit being pivoted at its rear end to the trailer, yielding means connecting an intermediate portion of the other unit with the trailer, said units including elongated portions adapted to interfit snugly, and a latch for interlocking said interfitting parts.

2,459,966
CONCENTRATION OF NONSULFIDE ORES
Karl F. Schilling, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application April 9, 1945, Serial No. 587,442
10 Claims. (Cl. 209—9)

1. The process of separating the components of ores of the class consisting of non-sulfide non-silicate minerals admixed with silicious gangue and silicate minerals admixed with quartz and soluble potash minerals occurring in their soluble ores, which comprises admixing an aqueous pulp of the ore in a suitably divided state with a collector selected from the group consisting of: the amides and imides of trivalent iron, chromium and aluminum and salts of their amides and imides which contain at least one functioning hydrocarbon group from the class of aliphatic groups containing 7 or more carbon atoms at least

5 of which are in a single straight chain, hydro-

port and including an armature rotatable in the

position; said arms each being separately, pivot-

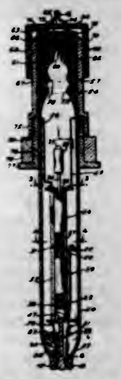
being provided with a cylindrical clutch engag-
ing surface concentric with the other member, a

5 of which are in a single straight chain, hydrocarbon groups present in abietic and naphthenic acids, and naphthalene and substituted benzene groups; and subjecting the thus conditioned pulp to a concentration operation to separate the ore constituents.

2,459,967
CONCENTRATION OF NONSULFIDE ORES
Karl F. Schilling, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application February 7, 1946, Serial No. 646,221
14 Claims. (Cl. 209—9)

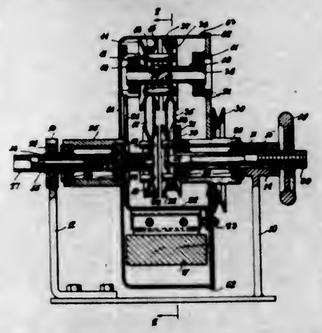
1. The process of separating the components of ores of the class consisting of non-sulfide non-silicate minerals admixed with siliceous gangue and silicate minerals admixed with quartz and soluble potash minerals occurring in their soluble ores, which comprises admixing an aqueous pulp of the ore in a suitably divided state with a collector selected from the group consisting of: sulfurous acid and sulfuric acid amides, imides, and their salts and halides, which contain at least one functioning hydrocarbon group from the class of aliphatic groups containing 7 or more carbon atoms at least 5 of which are in a single straight chain, hydrocarbon groups present in abietic and naphthenic acids, and naphthalene and substituted benzene groups; and subjecting the thus conditioned pulp to a concentration operation to separate the ore constituents.

2,459,968
ADJUSTABLE THERMOSTAT
John Leonard Schwartz, Philadelphia, Pa., assignor, by mesne assignments, to The Philadelphia Thermometer Company, Philadelphia, Pa., a partnership comprised of J. Leonard Schwartz and Hugo Engelhardt
Application August 21, 1945, Serial No. 611,819
26 Claims. (Cl. 200—141)



11. An adjustable thermostat comprising a glass bulb, mercury in the bulb, a column of glass mounted on the bulb, said column having two parallel spaced bores comprising respectively a working and a common bore extending longitudinally thereof with one of the bores in communication with the bulb mercury in the common bore, a glass housing fused to the column remote from the bulb, a support mounted in the housing, a rotatable element mounted in the support and including an armature rotatable in the glass housing, an electrode axially adjustable in the working bore, means connecting the electrode and rotatable element for axially adjusting the electrode with rotations of the element, an electrical connecting system in electrical connection at one end with the electrode and at the other extending through the glass housing, a common electrode in the housing extending into the mercury in the common bore, electrical connecting means leading from said common electrode through the glass housing, means establishing electrical connection between the common electrode and the mercury in the working bore, and rotatable means establishing polarized magnetic flux externally of the housing incident upon said armature and so arranged as to rotate the armature and rotatable element as the means is rotated.

2,459,969
VARIABLE-SPEED DRIVE
William M. Schweickart, Bay Village, Ohio
Application July 20, 1944, Serial No. 545,791
15 Claims. (Cl. 74—793)



1. In a variable speed drive a rotary support, an inner non-rotatable driving pulley, an inner rotary driven pulley, an outer pair of pulleys comprising relatively shiftable pairs of pulley disks each pair having its disks in fixed axial spacing with respect to each other, said outer pulleys being carried by said support and rotating together, belts driving said outer pulleys from said inner non-rotatable pulley and said driven pulley from said outer pulleys upon rotation of said support, and means varying the pitch diameter of the inner pulley of at least one of said belts to conversely vary the pitch diameter of the cooperating pulley through the action of the belt on its pulleys to change the rotary speed of said inner driven pulley relative to the rotary speed of said support.

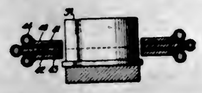
2,459,970
REFUSE BAG SUPPORT
Travis Otis Smith, Kansas City, Mo., assignor, by mesne assignments, to Arbee Products Company, Kansas City, Kans., a firm composed of David M. Lorens and Bernhard W. Alden
Application October 26, 1945, Serial No. 624,837
2 Claims. (Cl. 248—99)

1. A refuse bag holder comprising a support; a pair of jaws each having means for holding a bag along opposite portions of the mouth thereof; a pair of arms at each end of the pair of jaws, there being an arm to mount each jaw in operative

position; said arms each being separately, pivotally mounted on one face of the support, said arms being substantially L-shaped and each provided with a gear at the free end of the base leg thereof, said gear of each pair being in mesh to insure simultaneous movement of the arms about

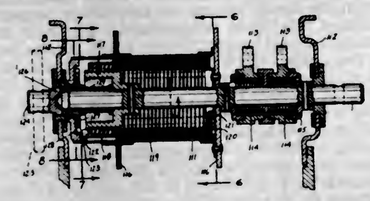
their pivotal connections when the jaws are shifted toward and from each other to close and open the bag held thereby; and a spring interconnecting one of these arms and said support for yieldably holding the arms in either the open or closed position.

2,459,971
INDUCTOR FOR HIGH-FREQUENCY INDUCTION HEATING APPARATUS
Robert J. Stanton, Brooklyn, N. Y., assignor to Induction Heating Corp., New York, N. Y., a corporation of New York
Application August 30, 1945, Serial No. 613,584
9 Claims. (Cl. 219—13)



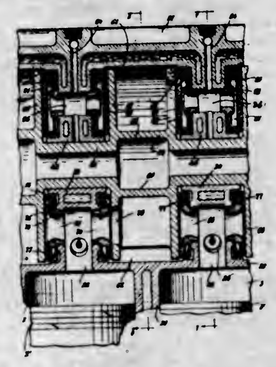
1. High frequency induction heating apparatus comprising an inductor having a plurality of closely spaced turns, each turn being formed with an outer portion including a cooling fluid passage, and an inner portion having a thin inner edge for facing the work surface to be heated, the spacing between centers of the passages in adjacent turns being substantially greater than the spacing between center lines of the inner edge surfaces of the same turns, whereby the magnetic flux at said inner edges is concentrated within a relatively narrow band as compared with the width of the band of flux which would be established about the cooling fluid passage portions of the same turns in the absence of said inner portions.

2,459,972
TORQUE LIMITING DEVICE
William Carleton Starkey, Indianapolis, Ind., assignor, by mesne assignments, to Fletcher Trust Company, Indianapolis, Ind., a corporation of Indiana, as trustee
Application November 1, 1943, Serial No. 508,601
5 Claims. (Cl. 192—56)



1. A load limiting device including a driving member, a driven member, one of said members being provided with a cylindrical clutch engaging surface concentric with the other member, a cylindrical clutch spring having a series of expansible and contractible coils mounted intermediate said members and movable into and out of clutching engagement with said surface, a load sensitive element connecting one of said members with said spring to transmit driving power to said driven member, said load sensitive element being movable by resistance thereto effective upon a predetermined overload being applied to said driven member to permit relative angular movement between said members, and normally disengaged interconnecting elements between one end of said spring and said one of said members movable into engagement upon such relative movement in a direction to actuate said clutch spring for movement out of clutching engagement.

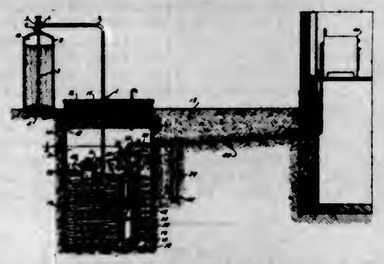
2,459,973
ROTARY VALVE INTERNAL-COMBUSTION ENGINE
Harry P. Stevens, Oyster Bay, N. Y., assignor to The Hasler Stevens Corporation, Mineola, N. Y., a corporation of New York
Application November 21, 1947, Serial No. 787,354
1 Claim. (Cl. 123—59)



An internal combustion engine comprising a cylinder block having cylinders in line, with combustion chambers at the ends of the cylinders and semi-cylindrical recesses between the combustion chambers of adjoining cylinders, a cover for said cylinder block having semi-cylindrical recesses in line with said semi-cylindrical recesses in the cylinder block and forming therewith cylindrical valve chambers, a rotary valve assembly journaled between said cylinder block and cover and having valve cages disposed to rotate in said cylindrical valve chambers, said combustion chambers of adjoining cylinders having ports both opening into the same cylindrical valve chamber and said valve chambers having ducts for the inlet and exhaust functions of the engine and said valve cages including parallel valve discs integrally connected by hollow cells extending diametrically across between the connected discs and having externally curved walls shaped to form segmental channels between the discs in line with said inlet and exhaust ducts and the valve discs having ports therethrough to register with said combustion chamber ports and opening into said segmental channels provided by the hollow cells between said valve discs.

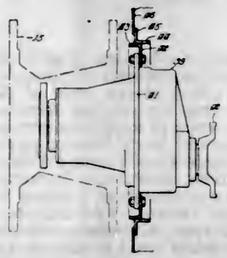
carriage mounted for vertical movement on said

2,459,974
METHOD AND APPARATUS FOR VAPORIZING LIQUEFIED PETROLEUM GAS
Arthur C. Turner, Chilhowee, Mo.
Application July 16, 1941, Serial No. 402,637
13 Claims. (Cl. 62—1)



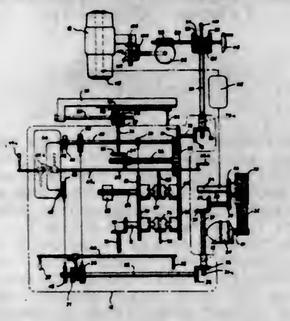
10. A liquefied petroleum gas vaporizing apparatus including a tank buried underground to receive earth heat and having a body of heat transfer liquid therein, an expansion and vaporizing coil in the tank in heat exchange relationship with the liquid contained in said tank, a pressure reducing valve within the confines of the tank in position to receive heat from said liquid, said valve being connected with the expansion and vaporizing coil, means for conducting liquefied petroleum gas to the pressure reducing valve under pressure, a service conduit means connected to the expansion and vaporizing coil, and a low pressure regulating valve in said conduit.

2,459,975
WHEELS FOR ENDLESS TRACK VEHICLES AND METHOD FOR MOUNTING SAME
Benjamin A. Swennes, Rockford, Ill., Lee E. Shelton, Kalamazoo, Mich., and Carl E. Swenson, Rockford, Ill., assignors, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application April 5, 1944, Serial No. 529,628
8 Claims. (Cl. 180—9.1)



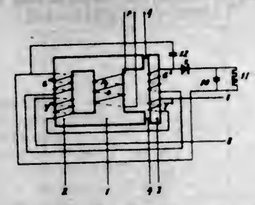
6. In a vehicle having a vehicle body, a pair of endless articulated vehicle-propelling tracks on opposite sides of said body, a plurality of wheels mounted on each side of said body and including vehicle-supporting wheels on the bottom of the body disposed in tandem, an idler wheel adjacent one end of the body and a driving sprocket wheel adjacent the other end of the body, said idler and sprocket wheels being disposed above said vehicle-supporting wheels, the wheels on each side of said body having a track disposed therearound and holding the track in looped configuration, the combination therewith of means for mounting each of the driving sprocket wheels to the body including a final gear drive unit on which the sprocket wheel is mounted, a hub portion disposed about and fixed to said final gear drive unit and having a peripheral flange extending substantially parallel with the axis of the sprocket wheels, a portion fixed with respect to the body and having an opening therethrough and having a cylindrical flange about its opening extending substantially normal to the body, said last-named cylindrical flange being larger than the cylindrical flange of said hub portion and receiving the same, said flanges being disposed with respect to each other to position the sprocket wheel in the plane of the other wheels, and means for fixing said cylindrical flanges together to fix the wheel with respect to the body.

2,459,976
MILLING MACHINE TRANSMISSION AND CONTROL
Edgar D. Vancil and Fred A. Hassman, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application March 6, 1944, Serial No. 525,282
1 Claim. (Cl. 90—21)



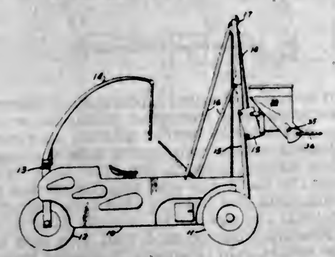
In a milling machine having a column, a knee and a spindle carrier slidably mounted on the column for movement toward and from one another, a saddle and table mounted on the knee, a spindle journaled in the carrier, the combination of transmission and control means for the different parts including a prime mover mounted in the column, a clutch for connecting the prime mover for actuation of the spindle, a common drive shaft in the knee coupled for continuous operation with the prime mover exclusive of said clutch, a variable feed transmission and a rapid traverse train mounted in the knee for actuation by said drive shaft, a common output shaft journaled in the knee, means for selectively coupling the output shaft for actuation by the feed and transmission and rapid traverse train, means coupling the output shaft for actuation with the carrier including a reversing clutch having a neutral position, a transmission train to the carrier including a shaft controlled by said clutch, a hand wheel for rotating said shaft and control means including a pinion, a three-position trip operable member rack connected to the pinion, a shifter for said clutch rack connected to the pinion, a detent responsive to rotation of the pinion, means operable by the detent for disengaging the hand wheel regardless of the direction of rotation of the pinion and a manual controlled lever connected to the pinion whereby all the controls are interlocked through said pinion and said carrier may be translated regardless of rotation of the spindle.

2,459,977
STABILIZED POWER SUPPLY
Jan van der Heem, The Hague, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application December 18, 1946, Serial No. 716,966
In the Netherlands June 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires June 3, 1964
2 Claims. (Cl. 171—97)



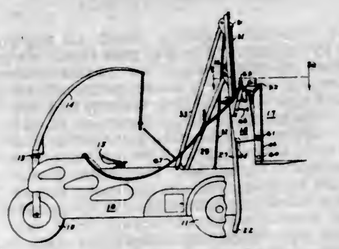
2. In a power supply system, the combination comprising an alternating-current transformer including a magnetic core having three leg portions, a primary winding surrounding the intermediate leg portion, a first pair of windings surrounding one side leg portion and a second pair of windings surrounding the other side leg portion, one of said side leg portions being separated from said intermediate leg portion by an air gap, one of said windings in said first pair being connected in series opposition with one of said windings in said pair to constitute a first secondary winding, the other winding in said first pair being connected in series opposition with the other winding in said second pair to constitute a second secondary winding, a first load coupled to said first secondary winding, a second load including a half wave rectifying device, said second load being coupled to said second secondary winding, and a condenser shunted across one of the two windings constituting said second secondary winding to equalize the loads imposed on said first and second secondary windings, thereby stabilizing the output voltages of said first and second secondary windings.

2,459,978
MATERIAL HANDLING APPARATUS
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application March 12, 1946, Serial No. 653,745
5 Claims. (Cl. 214—117)



1. In a vehicle apparatus of the class described, an upright on the forward end of said vehicle, a carriage mounted for vertical movement on said upright, a hopper secured to said carriage and movable vertically therewith, said hopper having a bottom wall sloping downwardly and forwardly of said vehicle and extending substantially the full width thereof, a horizontal opening extending the full width of the lower end of said bottom wall, and a gate controlling flow of material from said opening.

2,459,979
MATERIAL LIFTING AND TRANSPORTING TRUCK
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application March 12, 1946, Serial No. 653,746
4 Claims. (Cl. 214—113)



1. A material handling device comprising a vehicle including a frame, an upright secured to the forward end of said frame, a load receiving element, a carriage pivotally supporting said load receiving element and mounted upon said upright for vertical movement with respect thereto, said carriage comprising a pair of spaced apart parallel side plates, the spacing between said side plates being greater than the width of said upright, a unitary cross member rigidly securing said side plates in spaced relationship, a tubular member extending transversely of said carriage adjacent the bottom portion of said cross member, a pair of rollers mounted on the lower rear portion of said plates and adapted to ride upon the forward side of said upright, a second pair of rollers mounted on the upper rear portion of said side plates and adapted to ride on the back side of said upright, said load receiving element comprising a vertically extending back portion composed of a pair of vertical angle irons and a pair of horizontal angle irons secured to the upper and lower portions of said vertical angle irons, a plurality of forwardly extending load receiving arms secured to the lower end of said back portion, a shaft extending through said tubular member and connecting said vertical angle irons for pivotally mounting said load receiving element on said carriage, means for retaining said element in a load receiving position, said means comprising a latch shaft rotatably mounted on the upper portion of said carriage, a hook means pivotally secured to said load lifting element for cooperatively engaging said latch shaft, means for rotating said latch shaft in one direction for causing disengagement of said hook means comprising a lever pivotally mounted on one of said side plates, means for rotatably linking said lever to said latch shaft, and means connected to said lever normally biasing said lever to a latching position of said latch shaft, said lever resting against said latch shaft when in said latching position.

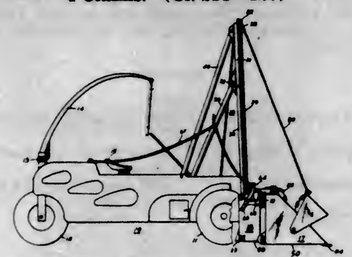
2,459,980
MOTOR VEHICLE
Ernest Wilson, Lansing, Mich., assignor to Oldsmobile Motor Works, Lansing, Mich., a corporation of Michigan
Application March 31, 1944, Serial No. 528,884
3 Claims. (Cl. 180—2)

an accessible coupling carried by the detachable

2,459,984
CENTRIFUGAL FORCE OPERATED SWITCH
Thomas E. Wood, Jr., and Mercer E. Gamble, Cincinnati, Ohio, assignors to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application March 31, 1944, Serial No. 528,886
3 Claims. (Cl. 200—80)

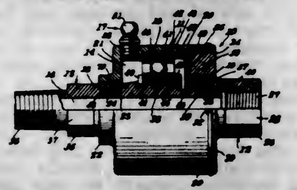
2,459,986
ELECTRIC HOUSE FURNACE
Willard H. Worden, Seattle, Wash.

2,459,980
SCOOP TRUCK
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application March 12, 1946, Serial No. 653,747
4 Claims. (Cl. 214—120)



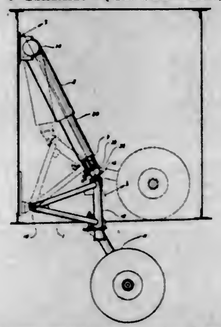
1. A material handling truck, an upright secured to the forward end of said truck, a carriage mounted on said upright for vertical movement with respect thereto, a scoop having its open end forward and comprising a bottom and sidewalls, said scoop being pivotally mounted on said carriage and having a loading position in which the scoop is in a lowered position with the bottom of said scoop in a generally horizontal plane and a dumping position wherein the scoop and carriage are in a raised position with the scoop tilted forwardly and downwardly away from said carriage, a gate extending across the open end of said scoop and pivotally mounted on said scoop for vertical movement with respect to the bottom of said scoop, flexible means connecting said gate to the upper portion of said upright and of such length as to hold the gate in an open position when said scoop is in the lowered, loading position, and a second flexible means connecting said gate to said carriage and of such length as to hold the gate in an open position with respect to the scoop when said scoop is in the dumping position.

2,459,981
SWIVEL JOINT
Doyle C. Warren, Monrovia, Calif., assignor to Chiksan Company, Brea, Calif., a corporation of California
Application April 20, 1945, Serial No. 589,428
2 Claims. (Cl. 285—97.3)



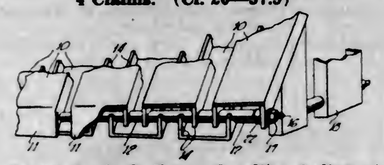
1. A swivel connection of the character described including, a central tubular section with accessible coupling means at its outer end, an outer section including a tubular body surrounding the central section, a fixed end at one end of the body surrounding the central section with substantial clearance and passing the said outer end of the central section and a detachable end at the other end of the body surrounding the central section with substantial clearance, an antifriction bearing within the body between the ends rotatably supporting the central section in the outer section, sealing means between the central section and the ends of the outer section, and an accessible coupling carried by the detachable end and projecting outwardly therefrom, the outer end of the central section projecting outward through the fixed end of the outer section to be exposed beyond the fixed end of the outer section, the inner end of the central section terminating in the structure formed by the detachable end of the outer section and the coupling carried thereby.

2,459,982
RETRACTABLE SHOCK ABSORBING STRUT
Edward C. Wells, Seattle, Wash., assignor to Boeing Airplane Company, a corporation of Delaware
Application December 13, 1944, Serial No. 568,030
7 Claims. (Cl. 244—102)



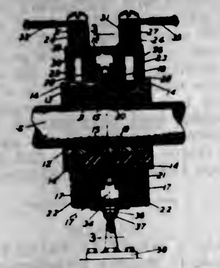
1. A strut comprising a tube having a closed end, hollow shock absorbing means received in said tube, strut mounting means received in the open end of said tube, engaged with said shock absorbing means, and movable inwardly relative to said tube against the resilience of said shock absorbing means, a screw threaded in the closed end of said tube and projectible within said tube and shock absorbing means, and second strut mounting means engaged with the portion of said screw exteriorly of said tube for movement thereby lengthwise of said tube to reduce the effective length of said strut as said screw is projected into the hollow of said shock absorbing means.

2,459,983
AWNING AND VENTILATOR
Fred Werner and Ernest C. Miles, Dallas, Tex.
Application December 8, 1945, Serial No. 633,682
4 Claims. (Cl. 20—57.5)



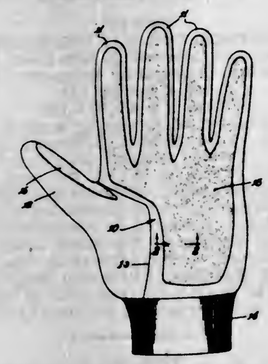
1. An awning including a plurality of alternately underlying and overlying channels in overlapping relationship having aligned apertures in their flanges, a tube coextensive with the channel assembly having slots in opposite sides thereof receiving the flanges of said underlying and overlying channels, the bore of said tube being concentric with the apertures of said flanges, a tie rod extending through said tube and said apertures to secure said channels in spaced relationship and means for holding said rod against longitudinal displacement.

2,459,984
CENTRIFUGAL FORCE OPERATED SWITCH
Willis Zeb West, Jr., and Morgan F. Gamble, Winston-Salem, N. C.
Application February 13, 1947, Serial No. 728,350
7 Claims. (Cl. 200—80)



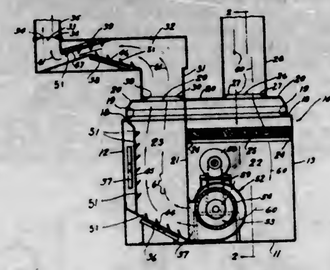
1. A centrifugal force actuated switch, comprising axially spaced slip rings to be mounted upon the armature shaft of a motor, means to insulate the slip rings from such armature shaft, an annular insulating housing mounted upon the slip rings to rotate therewith and to bridge the space between the same and providing an annular recess, conducting segments arranged within the annular recess and adapted to move radially therein, an annular spring arranged within the annular recess and engaging upon the conducting segments to hold the same in electrical contact with the spaced slip rings, brush holder rings slidably mounted upon the slip rings axially outwardly of the annular housing, brush holders carried by the brush holder rings, and brushes arranged within the brush holders for engagement against the slip rings.

2,459,985
HAND COVERING
Charles Hugh Woodbury and Gaius Fabius Brooks, Los Angeles, Calif.
Application July 16, 1946, Serial No. 683,922
3 Claims. (Cl. 2—161)



1. A glove of the character described having a palm, a thumb and finger parts with work engaging faces, a continuous surfacing on said faces of the palm and finger parts, a separate surface on the thumb part, each surfacing including an outer layer of coarse sharp gripping particles and an adhesive bonding said particles directly to said faces.

2,459,986
ELECTRIC HOUSE FURNACE
Willard H. Worden, Seattle, Wash.
Application January 13, 1947, Serial No. 721,855
3 Claims. (Cl. 219—39)



1. An electric house furnace, comprising a body providing a relative wide air admitting chamber and a narrower heated air outlet chamber, the air admitting chamber having an air inlet at one end of the chamber and having a single opening for air passage from the air admitting chamber to the heat outlet chamber, a fan mounted in the air admitting chamber to receive air delivered to the air admitting chamber and force such air through the heated air outlet chamber, electrical heating elements arranged in the heated air outlet chamber, baffle plates arranged to overlie each heating element to prevent the incoming air under the influence of the fan to directly contact with such heating element, each baffle plate being formed with openings overlying the heating elements and formed with deflecting wings arranged in advance of the openings in direction of air flow and inclined in the direction of air flow to cause the moving air passing over the wings to create a suction influence on the heating element to increase the heat withdrawal from the heating element and direct the same in the direction of air flow in the air outlet chamber.

2,459,987
MIXED SILICA-ALUMINA, SILICA-MAGNESIA CATALYST
Julius P. Bilisoly, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application May 7, 1946, Serial No. 668,007
1 Claim. (Cl. 252—455)

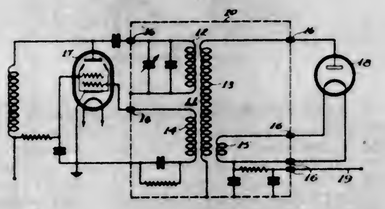
Improved cracking catalysts consisting essentially of a mixture of 80–85% silica-magnesia and 20–15% of a separately prepared silica-alumina, said silica-magnesia containing 30–35° magnesia and 70–65% silica, and said silica-alumina containing 50–65% alumina and 50–35% silica.

2,459,988
RADIO-FREQUENCY OSCILLATOR POWER SUPPLY CIRCUITS
Ronald Dean Boadle, Sydney, New South Wales, Australia, assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia, a company of New South Wales
Application June 12, 1945, Serial No. 598,999
In Australia August 22, 1944
6 Claims. (Cl. 175—363)

1. A radio frequency high voltage power supply device comprising an input and an output circuit.

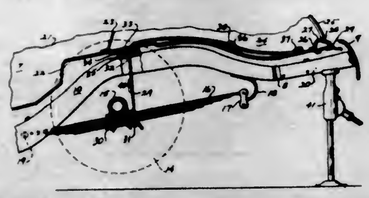
2,459,994

a metallic oil filled container located between said input and output circuits, a plurality of insulated connection terminals passing through some of the walls of said container, a high voltage radio frequency step-up transformer located within said container, said step-up transformer having a primary winding, a secondary winding, a filament winding, and a feedback winding; a plurality of resistance elements located within said container, one of said resistance elements having electrical connections made to one side of the filament winding of said transformer, a plurality of condenser elements located within said container, some of said condenser elements being electrically connected in shunt with the primary winding of



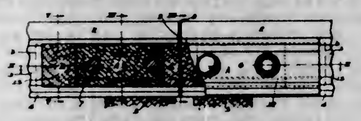
said transformer, the primary winding of said transformer being electrically connected to said input circuit through one of said insulated connection terminals, others of said condensers and resistance elements being connected to one side of the feedback winding of said transformer, and others of said condensers being connected to the same side of the filament winding of said transformer as the one to which said resistance element is connected, the output circuit from said secondary winding of said transformer being electrically connected to an external rectifier to form the output portion of the high voltage supply source.

2,459,989
SPRING HOLDING ATTACHMENT FOR AUTOMOBILES
William J. Bobek and Frederick W. Wohlfield, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application August 1, 1946, Serial No. 687,648
3 Claims. (Cl. 280—150)



1. In a motor vehicle, a frame, an axle structure including a wheel, a vehicle body secured to said frame and including an enclosed portion, spring means mounting said frame on said axle structure and normally permitting substantial relative vertical movement therebetween, a flexible cable having its lower end secured to said axle structure and extending upwardly therefrom through an opening in said frame and said body and terminating within said body enclosure, coiled spring means engaging at least a part of the extent of said cable and normally urging said cable through said port to assume a retracted position intermediate said axle structure and said frame, a locking element on the upper portion of said cable within said enclosure and larger than said opening through said frame and body and normally held adjacent said opening in response to the urging of said coiled spring means, a locking detent on said body within said enclosure spaced from said opening, said coiled spring means being extensible when said cable is drawn through said opening to permit the engagement of said locking element with said locking detent to restrict the downward movement of said wheel relative to said frame to facilitate the raising of said axle structure through jacking means applied to said frame.

2,459,990
TRACK JOINT LUBRICATION
Frank W. Brooke, Pittsburgh, Pa.
Application November 19, 1947, Serial No. 786,961
4 Claims. (Cl. 238—161.5)



4. The combination with a conventional railway track joint wherein adjacent rail end portions are embraced at each side beyond their end junction zone and an intervening open joint space by connecting fish plates, midway sealing units extending across such space at each opposite side between the rail end portions and the fish plates, endmost sealing units between the terminal ends of the fish plates and the rails, lubricating pads between the midway sealing units and the endmost sealing units, and means connecting the fish plates and rails exerting pressure on the lubricating pads.

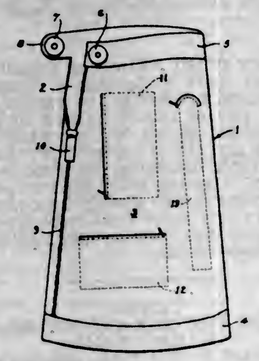
2,459,991
METHOD FOR MAKING SIRUP
Clarence C. Capdevielle, New York, N. Y.
No Drawing. Application December 13, 1944, Serial No. 568,071
2 Claims. (Cl. 99—142)

1. The method of producing a syrup for use in making confections which comprises diluting a quantity of cane molasses to a density of approximately fifteen to twenty per cent of sugar and non-sugar solids, bleaching the diluted molasses, filtering the same, increasing the density of the filtered molasses to approximately fifty per cent of sugar and non-sugar solids by dissolving sucrose therein, inverting the sucrose sugar, and thereafter increasing the density of the syrup to seventy-five per cent of sugar and non-sugar solids by adding sucrose sugar thereto.

2,459,992
SLEEVELET PURSE
Thomas D. Cimino, New Kensington, Pa.
Application June 6, 1946, Serial No. 674,866
1 Claim. (Cl. 224—28)

A sleevelet-purse for the forearm comprising a sleevelet with one end larger than the other, said sleevelet being proportioned along its length to fit the forearm and provided with a plurality of

pockets in said sleevelet for keys, coins, cosmetics and the like, the larger end of said sleevelet being a closed band, the smaller end of said sleevelet being longitudinally split over substantially its entire length, means for first fastening together the split portions of said sleevelet at the smaller end thereof, and means for thereafter fastening together the split portions of said sleevelet along



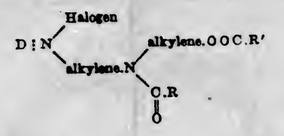
the length thereof and thereby closing the opening therebetween, whereby the sleevelet-purse may be passed over the hand when both fastening means are not engaged, secured at the wrist when the first fastening means are engaged, and finally secured on the forearm with the split opening closed when the last-mentioned fastening means are engaged.

2,459,993
FOUNTAIN PEN
Darrell C. Crain, Washington, D. C.
Application March 8, 1945, Serial No. 581,602
8 Claims. (Cl. 120—42)

1. A fountain pen including a barrel having one end circular and the other end of enlarged flat oval shape providing increased writing fluid capacity, said oval portion having its side wall structure flexible for varying the pressure on the inside of the barrel, a cap for said pen and a cap receiving recess in the enlarged oval end of the barrel, and means in said recess for receiving and holding the cap.

2,459,994
QUATERNARY AMMONIUM COMPOUNDS
Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application November 14, 1941, Serial No. 419,082. Divided and this application June 26, 1943, Serial No. 492,649
7 Claims. (Cl. 260—286)

1. A new chemical compound of the following formula:



in which RCO is the acyl radical of a low molal monocarboxy acid having 5 carbon atoms or less, and R'CO is the acyl radical of a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms; and D⋮N represents a radical of a heterocyclic compound of the pyridine series selected from the group consisting of pyridine, quinoline, isoquinoline, and C-linked methyl homologues thereof.

2,459,995
PROCESS OF PRODUCING HYDROCARBON OIL CONCENTRATES OF METAL SULFONATES
Gordon W. Duncan, Westfield, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 5, 1946, Serial No. 645,715
12 Claims. (Cl. 260—504)

1. An improved method for producing concentrates of oil-soluble polyvalent metal sulfonates in liquid hydrocarbons which comprises contacting a petroleum oil solution of a material selected from the group consisting of preferentially oil-soluble sulfonic acids and metal salts thereof with an aqueous solution of a material selected from the group consisting of lead acetate, barium acetate, barium propionate and calcium propionate, heating the mixture to a temperature of 275–350° F. to effect dehydration of the mixture and precipitation of an oil-insoluble sulfonate complex; separating oil from the precipitated complex, reacting the separated complex with a dilute aqueous solution selected from the group consisting of hydrochloric acid and sulfuric acid, the polyvalent metal salts of which do not form oil-insoluble sulfonate complexes, to reconvert the oil-insoluble sulfonate complex to an oil-soluble sulfonate or sulfonate complex, and heating to dehydrate and remove volatile acids.

2,459,996
GOLF CLUB GRIP
Thomas P. Duncan, Jr., Newport News, Va.
Application July 30, 1946, Serial No. 687,081
3 Claims. (Cl. 273—81)

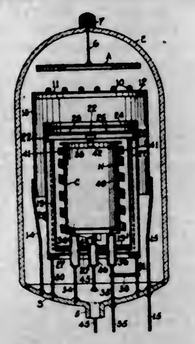
1. In an athletic implement of the character stated having a handle shaft, a hand grip for the shaft comprising a sleeve enclosing the butt end of the shaft, and a cap of like material as the sleeve and hingedly joined by such material to the sleeve at one side thereof to facilitate the exten-

sisting of pyridine monocarboxylic acids and their

sion of the shaft through the sleeve, the cap being closed over the adjacent end of the sleeve and

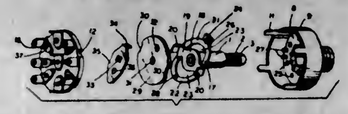
sealed thereto to close the end of the sleeve and cover the adjacent end of the shaft.

2,459,997
PARTIALLY INDIRECTLY HEATED CATHODE STRUCTURE FOR GAS TUBES
Donald V. Edwards, Montclair, and Earl K. Smith, West Orange, N. J., assignors to Electrons, Incorporated, Newark, N. J., a corporation of Delaware
Application May 24, 1947, Serial No. 750,282
11 Claims. (Cl. 250—27.5)



1. A thermionic emissive cathode structure for gas tubes comprising in combination, a hollow cathode element having an emissive coating on its inner surface, a heating element around said cathode element, and a heating circuit including said heating element and said cathode element in series, said cathode element being directly heated in part by the flow of current in said heating circuit through it and also being indirectly heated by said heating element, the resistance of said hollow cathode element being a relatively small part of the total resistance in the heating circuit, whereby the heating effect of load current flowing through the resistance of the cathode element is small.

2,459,998
ROTARY ELECTRIC SWITCH
Gilbert S. Ellitherpe, Chicago, Ill.
Application December 28, 1945, Serial No. 637,655
5 Claims. (Cl. 200—6)

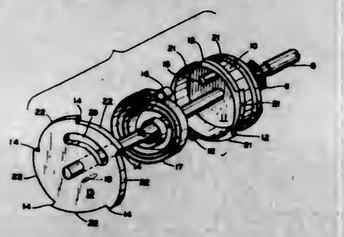


2. A rotary switch, comprising a shaft, a bearing for said shaft, a cup-shaped housing fixed on said bearing, a dielectric disc mounted on said housing, a pair of radially spaced contact terminals mounted on said disc, a contact arm rotatable into and out of contact with said terminals, a movable insulating disc supporting said contact arm, a spring plate fixed on said shaft and comprising arms tiltably supporting said movable dics and other arms respectively bearing in opposite directions on said insulating disc and cup-shaped housing.

2,459,999
PLOW OR THE LIKE AND METHOD OF MAKING SAME
Reuel H. Figard, Detroit, Mich., assignor to Harry Ferguson, Inc., Dearborn, Mich., a corporation of Delaware
No Drawing. Application January 20, 1945, Serial No. 573,815
2 Claims. (Cl. 51—282)

1. The method of manufacturing a plow which includes the steps of forming the earth-engaging surface of a curvature suitable for turning a particular kind of earth, treating the surface by a blast of abrasive particles to eliminate scratches or wheel marks and to produce a uniform surface of dull appearance comprised of extremely minute projections, and then polishing said surface by causing a polishing agent to move across the surface along lines which extend in the same direction that the earth will move past the surface during normal use, thereby producing a surface which scours cleanly without the necessity of breaking in.

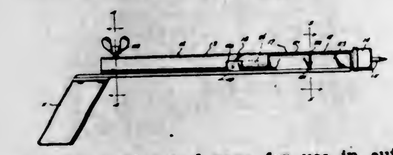
2,460,000
ESCAPEMENT MECHANISM
Robert Michael Flanagan, Morris Plains, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Original application January 9, 1945, Serial No. 572,017. Divided and this application December 23, 1946, Serial No. 717,838
2 Claims. (Cl. 171—97)



2. An escapement mechanism comprising, a first rotatable toothed member, a second rotatable toothed member, a shaft, said first member freely

mounted on said shaft and said second member affixed to said shaft, one of said members being of a cup shape and the other of said members positioned at the open end of said cup shaped member, a spiral spring positioned within said cup shaped member and about said shaft, said spring drivingly connecting said first and second members, electric motor means for driving one of said members through the other member, the teeth of the first of said toothed members positioned in spaced relation to the teeth of the second of said toothed members, a pawl, means biasing one end of said pawl into the interdental space between a tooth of the first toothed member and a tooth of the second toothed member for holding one of said toothed members from rotation relative to the other of said toothed members, a cam surface carried by said other toothed member for urging said pawl in a direction for releasing the tooth of said one toothed member for rotation under tension of said spring of said one toothed member relative to said other toothed member, a pin projecting from one of said toothed members, the other of said toothed members having a slot formed therein, and said pin disposed in said slot for limiting the rotary movement of the toothed member under tension of said spring, a circuit for energizing said motor means, switch means for controlling said circuit, and cam means operated by one of said members for opening said switch means and circuit at a predetermined position of said last mentioned member and said pin effecting a direct driving connection between said first and second members upon breakage of the spiral spring and until said cam means opens said switch means.

2,460,001
CABLE HOLDER AND GAUGE
Monte Frank, Chicago, Ill.
Application May 25, 1946, Serial No. 672,315
1 Claim. (Cl. 29—67)

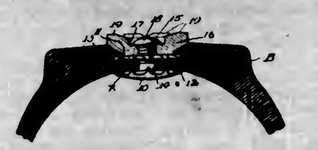


A cable holder and gage for use in cutting armored electrical cable comprising a base, a tubular cable support on said base and said cable support having a diagonal slot therein through which a cutting tool is adapted to be introduced for cutting through the cable armor, and said cable support having longitudinally spaced sight openings spaced known distances from the slot whereby the armor of an armored electrical cable may be severed a known distance from its end, a clamp near one end of the cable support temporarily to clamp a cable in the holder, a pistol grip fixed to the base beneath the clamp, a cap closing the end of the cable support remote from the pistol grip and a spike projecting from the cap in axial alignment with the cable support.

2,460,002
CATALYTIC AMIDIZATION PROCESS
Paul W. Garbo, Freeport, N. Y.
No Drawing. Application November 14, 1946, Serial No. 709,790
10 Claims. (Cl. 260—295.5)

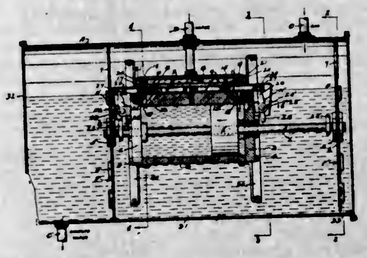
1. The process for the amidination of pyridine monocarboxylic acid compounds of the class consisting of pyridine monocarboxylic acids and their ammonium salts, which comprises reacting a said compound with urea in the proportions of about 2 mols of urea for each mol of said compound in the presence of a boron catalyst, and recovering thus produced amide from the resulting reaction mass.

2,460,003
ANTISKID DEVICE
Blaine B. Gemeny, Chicago, Ill.
Application April 8, 1946, Serial No. 660,435
6 Claims. (Cl. 152—210)



1. An anti-skid device for tires, embodying two co-operating members for clamping a portion of a tire therebetween, means for holding said members in assembled relation and embodying a projection on one member and upon which the other member is adjustable, and a clamping member co-operating with said projection and operating to force said members into clamping relation, the end of said projection extending beyond said clamping member and being deformed in order to secure the members against separation, the deformed end of the projection being recessed into the said clamping member.

2,460,004
CARBONATING APPARATUS
Samuel S. Green and Donald Keene, Los Angeles, Calif.
Application April 27, 1945, Serial No. 590,580
7 Claims. (Cl. 261—82)

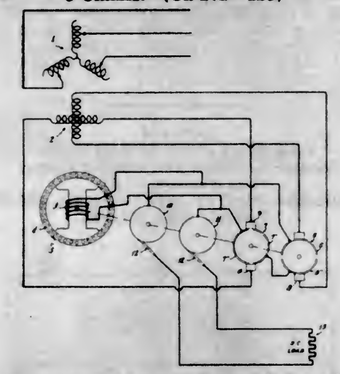


1. In carbonating apparatus having a tank for holding water and gas under pressure and having a gas inlet and an outlet, and operating mechanism positioned in the tank; a cylinder fixedly supported therein formed with a water receiving passage, a valve slidable in the cylinder body and having parts adapted for registration at times with inlet and exhaust parts of the cylinder body so as to direct a flow of water under pressure from an external source to opposite ends of the cylinder and to exhaust water from the cylinder to the tank, a piston slidable in the cylinder under the influence of water pressure, and means for operatively connecting the piston with said valve for automatically regulating the flow of water to and from the cylinder during the alternate strokes of the piston.

2,460,005
PLUMBING FIXTURE
Henry Gruen, New York, N. Y.
Application March 11, 1947, Serial No. 733,968
3 Claims. (Cl. 4—191)

1. A plumbing fixture for a bathroom comprising a recessed unit adapted to be set into a wall recess of a room above a tub to provide an open front housing for an inset handle assembly of the water supply pipes, said unit including an escutcheon member adapted to be secured within said wall recess in substantially flush relation to said wall, and a removable rear wall portion inset rearwardly from the plane of the escutcheon member and carrying a valve handle assembly including means for removably securing said rear wall portion within said escutcheon member to give access to the rear of the unit.

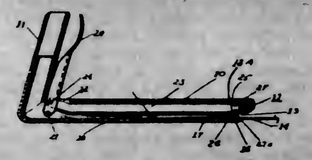
2,460,006
RECTIFIER AND TRANSFORMER UNIT
Klaus L. Hansen, Milwaukee, Wis.
Application January 10, 1944, Serial No. 517,673
3 Claims. (Cl. 171—123)



1. A synchronous rectifier and transformer unit comprising a stator constituting a transformer element and having a polyphase primary and a polyphase secondary winding, a rotor having a short-circuited winding and a direct current winding, a direct current load circuit, a plurality of commutators driven from said rotor, brushes connected to said secondary winding and bearing on said commutators, said commutators and said direct current winding being all connected in series, slip rings driven from said rotor and connected to said commutators, and brushes connected to said load circuit and bearing on said slip rings, said commutators, slip rings and load circuit being all connected in series.

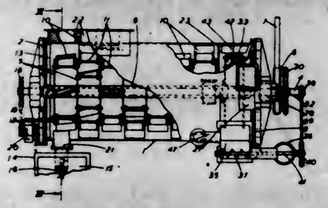
2,460,007
SHEET GRIPPING AND PULLING TOOL
Victor H. Hasselquist, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 19, 1944, Serial No. 559,393
2 Claims. (Cl. 81—44)

1. A gripping and pulling tool for applying a covering of sheet material to a surface, said tool comprising a tubular body having a longitudinal open notch at an end thereof to receive a margin of a covering, a wall of said body adjacent the notch having a stationary jaw, a moveable jaw mounted in said tubular body, toggle means between said moveable jaw and a wall of said body opposite said fixed jaw, a handle at the end of said body opposite said notch for manipulating



said body, and means comprising an element extending through said tubular body from a region adjacent said handle for moving said toggle means to clamp said jaws upon a margin of the covering, said toggle means comprising a pair of moving struts engaging said moveable jaw and said tubular body respectively at opposite sides of said element of the toggle adjusting means.

2,460,008
CONCURRENT FLOW DRIER WITH ROTOR, STATIONARY CASING, AND TERMINAL SEPARATION MEANS FOR DRYING MATERIALS AND DRYING FLUID
Oswald Heller, London, England, assignor to Bamag, Limited, London, England, a company of Great Britain and Northern Ireland
Application November 13, 1944, Serial No. 563,169
In Great Britain October 23, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 23, 1963
15 Claims. (Cl. 241—88)



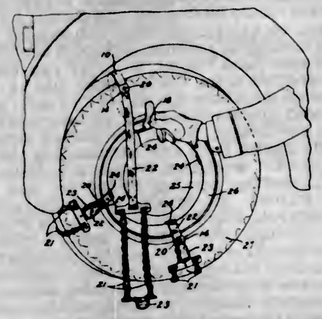
15. A concurrent flow dryer for drying material by means of hot gases, comprising a stationary casing of substantially circular cross-section, means for feeding material to be dried into one end of said casing, means for introducing hot drying gases in the vicinity of that end, a bladed rotor within said casing adapted to be rotated rapidly for applying rapid rotational impulsion to the material and gases to effect gyration thereof adjacent the inner surface of said casing, gas transporting means imparting to the gyrating material and gases an endwise propulsion along said inner surface with resultant helical motion, an annular weir projecting radially inwards from the inner surface of said casing adjacent the rotor end opposite to that at which the material and gases are introduced, a plurality of cutters located adjacent said weir, said cutters

projecting radially inward from the inner surface of said casing and being received in correspondingly positioned slots in the rotor blades, and centrifugal separating means for the dried material and gases disposed inside of said casing at the side of said weir opposite to that on which said cutters are located, said separating means including a material discharge aperture in the periphery of said casing, a gas withdrawal aperture disposed adjacent the axis of said casing, and rotary separator means for applying centrifugal impulsion to said dried material.

2,460,009
VITAMIN COMPOSITIONS
Wolfgang Huber, Hillbrow, Castleton on Hudson, and Werner Richard Boehme, Albany, N. Y., assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 20, 1944, Serial No. 527,343
1 Claim. (Cl. 260—251)

Thiamine-methylene-bis-2-hydroxy - 3 - naphthoate.

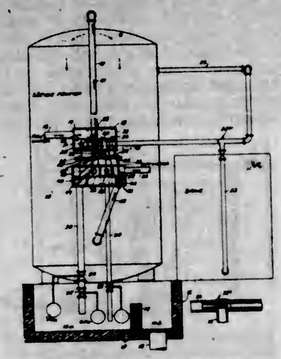
2,460,010
FLEXIBLE TOOL FOR THE APPLICATION OF EMERGENCY TIRE CHAINS
Arthur E. Humboldt, Milwaukee, Wis.
Application February 14, 1947, Serial No. 728,692
1 Claim. (Cl. 81—15.8)



A tool for facilitating the application of emergency tire chains having end straps provided with engagement means complementary to that on the tool, said tool comprising, an elongated relatively flexible and normally circular band having one end thereof cut diagonally and bent twice upon itself to form an end hook having a transverse wedge disposed therein.

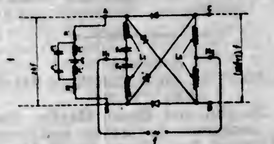
2,460,011
BASE EXCHANGE WATER TREATING EQUIPMENT
Churchill Hungerford, Jr., Wenonah, and John G. Reutter, Clayton, N. J., assignors to Hungerford & Terry, Inc., Clayton, N. J., a corporation of Delaware
Application April 14, 1945, Serial No. 588,266
16 Claims. (Cl. 210—24)

1. In base exchange water treating equipment, flow control mechanism comprising a raw water receiving unit; a water disposal unit adjacent to but separated from the raw water receiving unit; a series of poppet controlling valves in each of said water units with the valve operating stems of the two series arranged in opposed relationship; and a cam shaft lying between and



adapted to open all of said valves in the required combinations and sequence.

2,460,012
SYSTEM OF PRODUCING HARMONICS
Jean Louis Hurault, Paris, France, assignor to Compagnie Generale D'Electricite, Paris, France, a corporation of France
Application October 25, 1945, Serial No. 624,352
In France October 27, 1944
4 Claims. (Cl. 172—281)

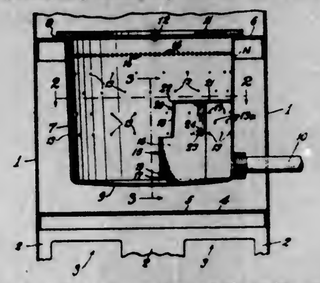


3. In a system for obtaining separately even harmonics and odd harmonics of a fundamental frequency, a transducer unit having four arms, two opposite ones of said arms consisting of impedances each having a mid-tap about which each said impedance arm is symmetrical, a source of alternating current of fundamental frequency connected to said two mid-taps, each of the other two opposite arms of said unit comprising a unilateral contact element and said elements being poled to oppose each other ring-wise around the arms of said unit, a source of direct current connected across one of said impedance arms, two diagonal connections in said transducer unit between opposite common points of a unilateral element arm and an impedance arm, and an auxiliary unilateral conducting element in each of said diagonal connections, output terminals having even harmonics connected to the ends of said impedance arm to which direct current is applied, and output terminals having odd harmonics connected to the ends of the other said impedance arm.

2,460,013
QUADRANT PILOT FOR POT TYPE OIL BURNERS
Milton D. Huston, Chicago, Ill., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application May 11, 1942, Serial No. 442,425
2 Claims. (Cl. 158—91)

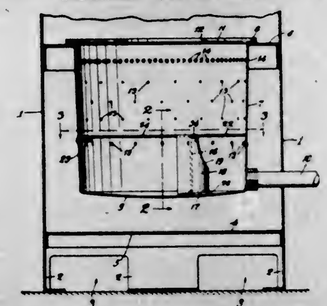
1. In combination, an open topped burner pot having a circumferential wall provided with a

plurality of primary air inlet apertures located at various levels in the wall, means for delivering secondary air to the mixture of primary air and vaporized fuel moving upwardly through the pot and a pilot housing surrounding the area of admission of the fuel to the pot and defining a space in communication with a plurality of the lower primary air inlet apertures of the pot, said housing including a pair of generally upright side walls, extending inwardly from the circumfer-



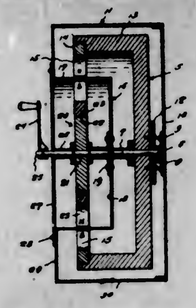
ential pot wall and meeting at their inner edges, and a cover portion located below the level of the highest of the primary air inlet apertures and below the level of admission of secondary air to the mixture, the edges of the side walls adjacent their juncture and adjacent the bottom of the pot, defining a flame aperture in communication with the interior of the pot, and means for delivering liquid fuel to the pot at a point enclosed by said pilot housing.

2,460,014
LIQUID FUEL BURNER AND PILOT STRUCTURE
Milton D. Huston and Bruce Hayter, Santa Fe, N. Mex., assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex., a corporation of Delaware
Application September 28, 1944, Serial No. 556,176
6 Claims. (Cl. 158—91)



1. In combination, an open topped burner pot having a closed bottom, a circumferential wall provided with a plurality of primary air inlet apertures located at various levels in the wall, means for delivering secondary air to the mixture of primary air and vaporized fuel formed in the pot, and a pilot housing defining and surrounding a space in communication with a plurality of the lower primary air inlet apertures of the pot, said housing including generally upright side walls extending inwardly from the pot wall, a top wall, and a front wall, means for delivering liquid fuel to the pot at a point enclosed by said pilot housing, said front wall having an aperture adjacent its upper edge, said front wall terminating above the closed pot bottom to provide a leakage space between the lower edge of the wall and the pot bottom, adapted to permit the flow of flame and liquid fuel respectively from the interior of the pilot housing to the interior of the pot.

2,460,015
MOTION TRANSMITTING MECHANISM
Neven J. Jones, Natrona Heights, Pa.
Application July 13, 1945, Serial No. 604,842
1 Claim. (Cl. 172—284)

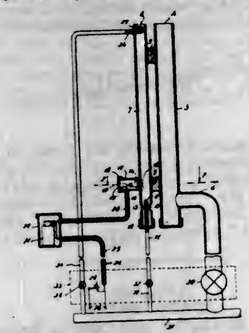


A magnetic clutch comprising a closed cylindrical main casing having one end thereof formed to provide an axial cylindrical indentation constituting a secondary casing, isolated from the interior of said main casing, an outer cup-shaped rotor supported from the opposite end of said main casing to rotate axially within said main casing, said outer rotor being of non-magnetic material and comprising a rim portion circumferentially spaced from and surrounding the periphery of said secondary casing, a radially inwardly projecting annular flange on said rim portion formed at equally circumferentially spaced intervals with horse-shoe shaped recesses opening through the radially inward edge of said annular flange close to the periphery of said secondary casing, an inner rotor comprising a non-magnetic disk supported from an end of said secondary casing to rotate axially within said secondary casing in axial alignment with said outer rotor, the periphery of said disk running close to the inner surface of the periphery of said secondary casing in the same plane as said annular flange of the outer rotor, the periphery of said disk being formed with equally circumferentially spaced horse-shoe shaped recesses opening therethrough and horse-shoe magnets positioned in the recesses of the outer and inner rotors with the poles of the outer rotor magnets facing the poles of the inner rotor magnets and being of opposite polarity.

2,460,016
FLARE IGNITION APPARATUS
George F. Kuhn, Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 26, 1947, Serial No. 757,285
5 Claims. (Cl. 158—115)

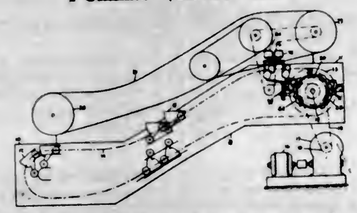
1. Flare ignition apparatus comprising a vertically extending tube having an open upper end and an opening for the admission of air adjacent its lower end, two gas jets within and spaced from the wall of said tube, one of said jets

disposed adjacent the upper end and acting both to supply an ignition flame extending from the upper tube end and to induce a flow of cooling air through the tube, and the other of said jets dis-



posed adjacent the lower air opening and acting when lighted to ignite said first mentioned jet, and a spark ignition device in said tube adjacent and above said second mentioned jet.

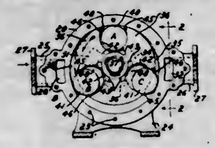
2,460,017
MOVING STAIRWAY BRAKE
George William Lautrup, Yonkers, N. Y., and John Norman Anderson, Hoboken, N. J., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application June 6, 1946, Serial No. 674,738
4 Claims. (Cl. 188—69)



1. Braking apparatus comprising; a plurality of rotatable members; a plurality of brake members alternately positioned between said rotatable members and in frictional engagement therewith to be rotated thereby; stopping means for each of said brake members for engaging the same to stop rotation thereof; an electromagnet for each stopping means for disengaging it from the brake member for which it is provided; and means for causing said stopping means to engage said brake members in timed sequence.

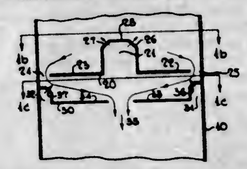
2,460,018
ROLLER VANE ROTARY PUMP
Harry Hansen Looke, Caulfield, Victoria, Australia
Application May 1, 1946, Serial No. 666,416
In Australia May 3, 1945
8 Claims. (Cl. 103—136)

1. A rotary pump comprising a casing, a circular rotor chamber in the casing, inlet and outlet ports in the casing communicating with the rotor chamber, a rotor eccentrically and rotatably mounted in the rotor chamber, radial recesses in the rotor, each of said radial recesses having a leading edge and a following edge, rollers fitted in the radial recesses and capable of radial movement therein, an arcuate recess in the periphery of the rotor chamber adjacent to the point of closest approach at which the rotor is closest to the periphery of the rotor chamber, the curvature of said arcuate recess being substantially equal to that of the periphery of the rotor and the said rotor being in fluid-tight running contact with the peripheral wall of said arcuate recess, the width of the arcuate recess being substantially equal to that of the rotor chamber and



the centres of curvature of the arcuate recess and the rotor being coincidental, the length of the arcuate recess being greater than the distance between the leading and the following edges of a radial recess, and the outlet port being in communication with the inner end of each radial recess as it approaches the said point of closest approach and remaining in communication with said radial recess until shortly before the leading edge of said radial recess leaves the said arcuate recess.

2,460,019
METHOD AND APPARATUS FOR COUNTERCURRENT CONTACTING OF LIQUIDS
John D. Long, Westfield, and Cyril O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 23, 1944, Serial No. 550,798
8 Claims. (Cl. 23—270.5)



1. A process for countercurrently contacting relatively immiscible fluids of different gravities, comprising passing a continuous stream of one fluid through a system containing a series of contact zones, each of said zones containing a plurality of alternate regions of high and low velocity, the said change of velocity being obtained by alternately constricting and enlarging the stream as it flows through the system passing the other fluid as a discontinuous phase in the opposite direction, injecting the said other fluid in a finely divided state into the high velocity regions of the stream of the said first fluid, allowing the mixed fluids to separate by gravity in the low velocity regions, passing the thus separated fluids in opposite directions for further contact in the successive contact zones, and withdrawing the separated fluids respectively from opposite sides of said system.

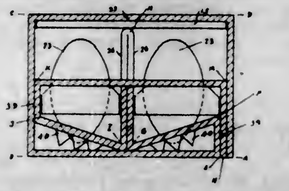
6. An apparatus for the countercurrent treatment of relatively immiscible fluids of different gravity, comprising an upright shell fitted with a plurality of transverse plate assemblies which subdivide the interior of said shell into a series of settling chambers, each assembly comprising at least one narrow inverted trough, adapted to collect an ascending fluid of relatively light gravity, the trough having its open end edges flanged

and a front wall, means for delivering liquid fuel

spaced from the wall of said tube, one of said jets

by horizontally disposed base portions extending outwardly from the trough edges, each said base portion having at least one constricted opening for permitting the downward flow of a fluid of relatively heavy gravity, the trough being fitted in its upper solid portion with small perforations adapted to disperse the ascending fluid, alternate assemblies having said troughs and said constricted openings alternately disposed, said troughs of one assembly terminating in spaced relation to said constricted openings of the next higher assembly to cause the ascending fluid to intercept the descending fluid at a point of substantially most rapid flow of said descending fluid as it passes through said constricted opening, and an inlet and an outlet in both the uppermost and the lowermost settling chamber.

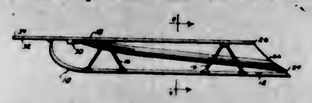
2,460,020
EGG CRATE
Elmer H. Lupton, Ilchester, Md., assignor to The Bartgis Bros. Company, a corporation of Maryland
Application January 8, 1945, Serial No. 571,790
3 Claims. (Cl. 229—29)



1. A crate of the class described comprising a single blank of flexible material of quasi-rectangular form having twelve panels arranged longitudinally therein between bend lines and the end edges, with its first panel having extensions provided at each end for forming the ends of a crate, said first panel being bent to form an outer side wall, the second panel being bent on said first panel to provide a top cover, the third panel being similar in shape to the first panel and bent downwardly to form an opposite side panel, the fourth panel having extensions provided at each end for forming ends and locking means therefor, said fourth panel being bent at right angles to the side panel to form the bottom therefor, the fifth panel being bent upwardly at right angles to the bottom to form a short inner panel aligned parallel with said first side panel, the sixth panel being bent downwardly and outwardly to contact the floor and rest thereon, the seventh panel being bent vertically upwardly to contact and pass through said top panel, then bent downwardly to form panel eight until it contacts and rests on the floor thence being bent upwardly and outwardly forming panel nine, thence bent upwardly forming panel ten which is parallel with the side panel three for approximately one-half its distance, thence bent horizontally to form panel eleven and continue across the entire crate until it contacts side panel one, thence projecting downwardly between said side panel one and short inner panel five.

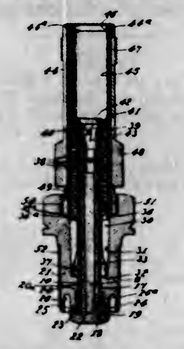
2,460,021
LOW CENTER OF GRAVITY SLED
Victor William Manthey, Mauston, Wis.
Application September 19, 1946, Serial No. 698,010
1 Claim. (Cl. 280—12)

A sled of the character described, comprising a pair of runners, bracing members for said runners, a top board on said runners secured to said bracing members, the forward end of said top board extending beyond the front ends of said runners to form a bumper portion, a concave recess in said top board which is curved transversely of the top board and increases in curva-



ture from a point adjacent the front of the top to the rear thereof and the rear end of the board having a reduced portion centrally thereof and the sides of the reduced portion being curved upwardly at the same inclination of the recess to conform to the legs of a rider of said sled.

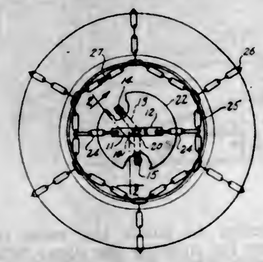
2,460,022
SPARK PLUG
Frederick I. McCarthy and Charles Schandler, New York, N. Y.
Application October 23, 1944, Serial No. 559,880
4 Claims. (Cl. 123—169)



1. In a spark plug, the combination of an exterior heat dissipating shell having a central bore and a larger diametered bore concentric thereto, and having an electrode for one polarity, a spindle extending through the central bore of the shell having an electrode for another polarity at one end, and having a hollow bore extending from the electrode to its other end, and an insulator between the spindle and the central bore, insulating the opposite polarities, said electrodes being disposed at spark gap distance from each other, said larger bore of the shell being filled with compacted and compressed powder containing silver forming a solid without air spaces and free from air spaces between the solid and the larger bore and between the solid and the insulator, and a compact of compressed silver powder in the bore of the spindle, extending from its electrode to beyond the compact of the shell bore, whereby a heat exchange action takes place through both compacts from the spindle electrode to the shell.

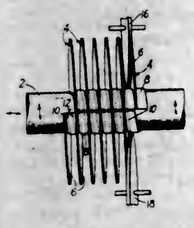
2,460,023
ANTISKID TIRE CHAIN ANCHORING DEVICE
Michael F. McGuiness, Scranton, Pa., assignor of one-half to Allen J. Brandt, Scranton, Pa.
Application May 6, 1947, Serial No. 746,404
2 Claims. (Cl. 152—241)

2. The combination with a hub of a motor vehicle wheel, studs projecting from said hub, and a hub cap provided with a centrally-disposed opening for enclosing said hub, of a device for anchoring anti-skid chains including side chain members in position on said wheel, said device comprising a bracket provided with a threaded opening extending therethrough, adapted to be secured to said studs, said bracket embodying a pair of arms arranged at an obtuse angle with respect to each other, each of said arms being provided at its outer end with an opening, the



openings in said arms being in engagement with said studs, an anchoring stud projecting through the opening in said hub cap and engaging the threaded opening in said bracket, said anchoring stud being provided at its outer end with a threaded socket, a cap screw in threaded engagement with said socket, and chain-holding elements carried by said anchoring stud and having their ends secured to said side chain members.

2,460,024
METHOD OF MAKING HEAT-EXCHANGE UNIT
Neal T. McKee, Bronxville, N. Y., assignor to The Superheater Company, New York, N. Y., a corporation of Delaware
Application May 19, 1945, Serial No. 594,740
1 Claim. (Cl. 219—10)



In the art of making a heat exchanger by attaching to a metal tube a series of helical metal fins each of which is formed from a disc with a central opening and a collar therearound, said fins being mounted around said tube with their collars in engagement with said tube and in abutment with the collars of the adjacent fins, and each of which fins is slitted radially with its radial edges offset into abutment with the edges of the adjacent fins to form a substantially continuous helical fin assembly, the method of securing said fins to said tube which comprises placing a pair of welding electrodes in engagement with said collars at opposite points in the same axial plane and in the same transverse plane, feeding said tube and fins past said electrodes in a helical movement of the same pitch as that of said helical fin assembly, and passing an electrical current through said electrodes, said collars and said tube to weld each of said collars to said tube along two parallel lines displaced from each other a distance equal to one-half of said pitch.

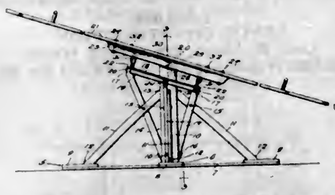
2,460,025
LUBRICATING OIL COMPOSITION
John G. McNab, Cranford, and Jeffrey H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 24, 1944, Serial No. 560,191
10 Claims. (Cl. 252—42.7)

1. A hydrocarbon material susceptible to deterioration by oxidation containing dissolved therein a small quantity, sufficient to stabilize said material against such oxidation, of a compound of the formula

$$RAr(XM)S_x(MX)ArR$$

in which Ar is an aromatic hydrocarbon nucleus, R is a branched chain aliphatic hydrocarbon radical containing 14 to 24 carbon atoms, X is a nonmetallic element of group VI of the periodic table, M is the hydrogen equivalent of a metal, S is sulfur, and x is an integer from 1 to 4.

2,460,026
AMUSEMENT DEVICE
Jethro Mitchell, Cincinnati, Ohio
Application March 12, 1945, Serial No. 582,365
1 Claim. (Cl. 272—30)



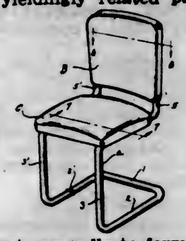
An amusement device comprising a base, a central post secured to said base, a vertical lag screw in the top of said post, a cross bar on top of said post having cylindrical ends and a central opening to receive said lag screw, whereby said cross bar is pivotally mounted on the post, a seesaw disposed above said post, two laterally spaced cleats secured to the lower side of said seesaw and having at their central portions transversely alined bearing sockets opening only through their inner sides, said sockets rotatably receiving said cylindrical ends of the cross bar whereby the seesaw is pivotally mounted on said cross bar, two transverse bars secured to the lower side of said seesaw and spaced in opposite directions from said cross bar, the ends of said transverse bar abutting the inner sides of said cleats to brace the same, rollers mounted on said transverse bars on axes extending longitudinally of said see-saw, and a circular track supported from said post beneath the seesaw and on which said rollers rest.

2,460,027
METAL CHAIR
John J. Nash, St. Louis, Mo., assignor to American Fixture & Manufacturing Co., St. Louis, Mo., a corporation of Missouri
Application August 2, 1945, Serial No. 608,643
4 Claims. (Cl. 155—194)

1. An article of furniture or the like comprising a frame and rigid seat and back-members, the

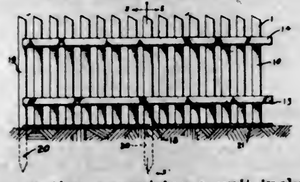
a pair of runners, bracing members for said runvehicle wheel, studs projecting from said hub,

latter being provided with projecting studs on their respective under and back faces, said studs being spaced along either side thereof and the frame being constructed of metallic tubing comprising a U-shaped member terminating in two parallel forwardly extending ground-engaging members bent upwardly at the front to form front legs, then bent rearwardly to include an intermediate yieldingly related pair of seat-bars



and then bent upwardly to form a yieldingly related pair of back-bars, both seat-bars and back-bars being provided with keyhole-shaped slots, the longitudinal axes of which extend transversely of the chair seat, the slots of the seat-bars being oppositely disposed to the slots of the back-bars and said bars at said slots being springwise engaged with the studs of the seat and back-members for securing the seat and back-members to and upon the frame.

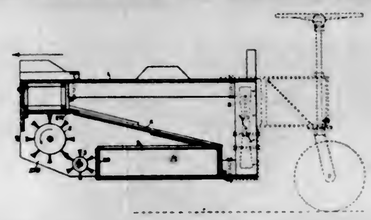
2,460,028
FENCE CONSTRUCTION
Leon D. Obert, Bremerton, Wash.
Application November 16, 1945, Serial No. 629,104
1 Claim. (Cl. 256—24)



A fence section comprising a unit including a plurality of vertically disposed parallel pickets, double top and bottom horizontally disposed rails fixed to opposite sides of said pickets, extensions on said rails extending beyond the section at one end thereof and terminating short of the section at the other end for interlocking fitting engagement with a complementary end of an adjacent fence section, a ground sill underlying and secured to the bottom of each picket of said section, said ground sill being coextensive with said rails and anchoring means for securing said section in erected position comprising portions depending from certain of said pickets and extending through said ground sill for insertion in the ground.

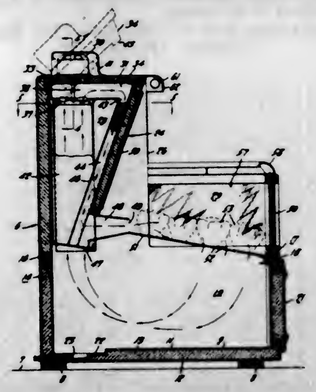
2,460,029
RUSSIAN DANDELION SEED HARVESTER
Russell M. Ramp, Houma, La., assignor to the United States of America as represented by the Secretary of Agriculture
Application August 2, 1946, Serial No. 687,861
2 Claims. (Cl. 56—19)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A mobile seed harvester comprising a housing mobily supported for movement over the ground, the housing having an inlet opening in the bottom, the opening extending up the front of the housing; a rotary brush mounted in the housing adjacent the opening; a second rotary brush mounted parallel to the first brush and rearwardly of the latter, both brushes being positioned adjacent the opening in the bottom, a part of the second brush extending below the first brush, the periphery of the two brushes substan-



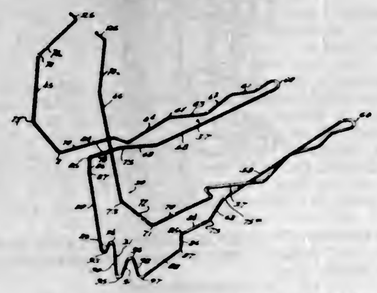
tially contacting to whisk the seeds therebetween; means for rotating the upper brush and the lower brush in opposite directions about their axes, the front of the upper brush moving downwardly at the inlet opening; means for drawing air into said inlet opening and removing it from said housing, to draw the seeds into the housing; and means in the housing for separating the seeds from the air stream.

2,460,030
OPEN-TOP REFRIGERATED DISPLAY CASE
James C. Rear, Berkeley, Calif., assignor to The Union Ice Company, San Francisco, Calif., a corporation of California
Application October 7, 1946, Serial No. 701,795
5 Claims. (Cl. 62—89.5)



1. A refrigerated display case comprising a cabinet having an open-top display portion, an inclined wall forming the back of said display portion, means on said wall for supporting ice spaced from said wall to define a channel, a perforate produce shelf in said display portion, means for establishing communication between said channel and the upper side of said shelf, means defining a duct extending from the lower side of said shelf to said channel, and means for circulating air through said duct and then through said channel.

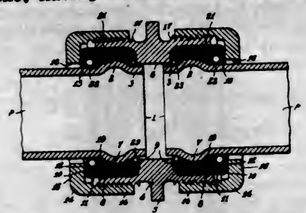
2,460,031
PACKING RETAINER
Charles T. Ripley, Chicago, Ill., assignor to Spring Packing Corporation, Chicago, Ill., a corporation of Illinois
Application April 26, 1944, Serial No. 532,716
4 Claims. (Cl. 308—89)



1. A waste retainer, for a waste-packed journal box provided in the upper front portion thereof with abutment means cooperable with the hereinafter-mentioned wire extremities and having side walls substantially paralleling the vertical plane of the axis of the journal occupying the box and having an arcuate bottom connecting said side walls, comprising: a pair of horizontally elongated waste depressors adapted to overlie waste in the spaces between the journal and the side walls of the box, each of said depressors consisting of a substantially straight length of spring wire and a horizontally zigzagged length of spring wire, the rear ends of the straight and zigzagged lengths of wire constituting each depressor being integrally connected by a hairpin bend, the substantially straight wire portion of each depressor being adapted to lie closely adjacent to but out of contact with the cylindrical surface of the journal, the zigzagged wire portion of each depressor being adapted to lie between its associated straight portion and one of the side walls of the box and to bear against said side wall at a plurality of spaced-apart points, the forward ends of the zigzagged portions of the depressors having integral extensions which project forwardly from the depressors and then upwardly and then rearwardly to present wire extremities engageable with the aforementioned abutment means, the forward ends of the straight wire portions of the depressors having integral extensions which merge as one wire portion vertically zigzagged to press rearwardly against waste underlying the journal, said vertically zigzagged wire portion presenting at least one point engageable with the arcuate bottom of the box, the forward ends of the straight and zigzagged portions of each depressor being so related that downward pressure exerted upon the forward ends of the zigzagged portions of the depressors is imparted to the forward ends of the substantially straight wire portions of the depressors.

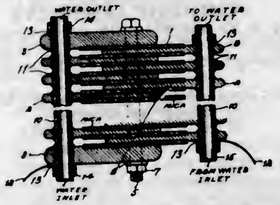
2,460,032
COUPLING FOR BEADED PIPES OR TUBINGS
Roger E. Risley, Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio, a corporation of Pennsylvania
Application July 4, 1945, Serial No. 603,169
8 Claims. (Cl. 285—90)

1. In a semi-flexible pipe joint, the combination with a pipe having an external circumferential bead of a larger diameter than the pipe and spaced from the end thereof, of a fitting comprising a body portion having an aperture to receive the end of said pipe and an annular gasket recess adjacent said aperture, an annular gasket received in said recess and fitting over said bead the gasket having an axial length greater than



the axial length of the beaded portion of the pipe, an expansible ring at the outer end of said gasket, said ring being sufficiently expansible to pass over said bead, an annular gasket follower, and means for moving said follower toward said body portion to apply sealing pressure to said gasket and to lock said expansible ring against expansion.

2,460,033
ELECTRICAL CONDENSER
Wesley M. Roberds, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 15, 1943, Serial No. 490,851
5 Claims. (Cl. 175—41)

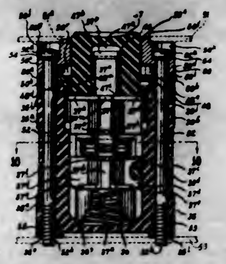


1. An electric condenser comprising a plurality of solid dielectric mica sheets, a plurality of copper electrodes of greater area than said dielectric mica sheets positioned on each side thereof, said electrodes having a depressed portion of sufficient area to retain said solid dielectric mica sheets in a desired position, said electrodes being alternately arranged to extend beyond three edges of said solid dielectric mica sheets to provide cooling radiation therefor, a plurality of tubes passing through apertures in said copper electrodes and at right angles thereto, means for passing a cooling fluid through said tubes, and means to bind all of said solid dielectric mica sheets and said electrodes together to form a unitary condenser structure.

2,460,034
ELECTRIC SWITCH
Clyde F. Robbins, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application July 4, 1942, Serial No. 449,756
27 Claims. (Cl. 200—16)

1. In an electric switch, the combination with a molded contact-carrying insulating base of one-piece construction having a central recess open at one end and also having side recesses for accommodation of two pairs of contacts on each side of a plane coincident with

the longitudinal axis of said central recess, said side recesses permitting the contacts to be inserted from outside the base and to be projected into said central recess and each side recess providing for a plurality of contacts opposed seats spaced one from another longitudinally of said base, of a molded contactor-carrying insulating plunger of one-piece construction fit-



ting into the central recess of said base for reciprocation therein and prevention of relative rotation, said plunger having seats for contactors to cooperate with all of said base contacts, and the central recess of said base having clearance for said plunger contactors to permit said plunger together with its contactors to be freely inserted into said base and to be reciprocated in the latter.

2,460,035

SYNTHETIC LUBRICANT

Dilworth T. Rogers, Summit, and Jeffrey H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 25, 1946, Serial No. 643,464

16 Claims. (Cl. 260—485)

1. A normally liquid composition having lubricating properties, consisting essentially of a product of the polymerization of material having the structure—

ROOC—CH=CH—COOR'

where R and R' are straight chain alkyl groups, having not more than 10 carbon atoms each, and where the average chain length of the said groups in the unpolymerized material is from 3 to 10 carbon atoms.

2,460,036

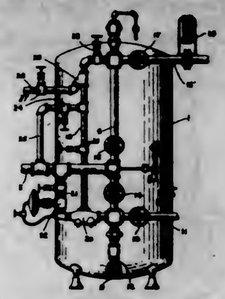
WATER TREATING APPARATUS

Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware

Application August 3, 1946, Serial No. 688,249

7 Claims. (Cl. 210—24)

1. In a water treating apparatus, a receptacle having a zeolite filtering bed therein, an inlet pipe on one side of said said zeolite bed for delivering water to be treated to said receptacle, an outlet pipe for treated water on the other side of said zeolite bed, a connecting pipe connecting said inlet and outlet pipes, a valve in said connecting pipe, a valve in said outlet pipe, said valves operable to direct water from said inlet pipe through said outlet pipe and into and through said zeolite bed in a reverse directional flow to the water treating flow of water through the receptacle to hydraulically expand said zeolite filtering bed, and outlet means connected to said receptacle for outlet of the water directed through the said receptacle in the reverse direction, a recirculating pipe connected to said inlet pipe and to said outlet pipe and means for recirculat-



ing through the recirculating pipe and the zeolite bed fluid passed in the reverse direction and from the outlet pipe.

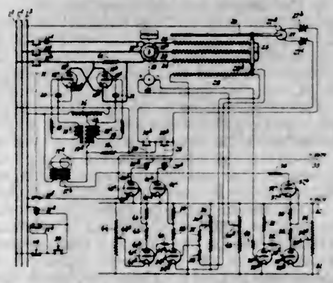
2,460,037

COMBINED PRIMARY AND SECONDARY CONTROL OF POLYPHASE MOTORS

Edwin W. Seeger, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application October 8, 1945, Serial No. 626,904

6 Claims. (Cl. 318—215)



2. In a printing press control system or the like, in combination, a source of polyphase current, a polyphase motor having its primary supplied from said source, means to vary the impedance of the secondary circuit of said motor, means for supplying a voltage varying in accordance with said impedance, manual speed selecting means presettable for a given speed of said motor under given load conditions, means sensitive to said voltage and the setting of said speed selecting means for controlling said impedance varying means to afford motor speed control under balanced polyphase conditions of the primary of said motor, regulable space discharge means interposed between said source and one of the primary terminals of said motor, and means sensitive to the setting of said speed selecting means and effecting varying regulation of said space discharge means according to tendency of said motor to depart from said given speed upon reduction of said load, thereby through potential regulation of a single terminal of the motor primary winding affording a range of supplemental control which may extend from substantially balanced conditions to a single phase condition of the primary of said motor, to maintain said given speed of said motor.

2,460,038

EMULSION POLYMERIZATION PROCESS

George E. Serniuk, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application July 17, 1943, Serial No. 495,213

8 Claims. (Cl. 260—23.7)

1. The process of producing synthetic rubber-like polymerizates of good processability which comprises polymerizing in aqueous emulsion a mixture of a major proportion of a butadiene-1,3 hydrocarbon and a minor proportion of another unsaturated organic compound copolymerizable therewith in aqueous emulsion, using a water soluble soap emulsifier, from 0.001 to 1.0 weight percent of a hydrocarbon soluble peroxide, from 0.05 to 0.50 weight percent of an alkali persulfate, from 0.1 to 1.0 weight percent based on the reactants of a mercapto polymerization modifier having 8 to 18 carbon atoms per molecule, from 0.7 to 5.0 weight percent based on the water phase of a polyolefinic, higher fatty acid in the free state.

2,460,039

HYPODERMIC SYRINGE

Robert P. Scherer and John Otto Scherer, Detroit, Mich., assignors, by mesne assignments, to R. P. Scherer Corporation, a corporation of Michigan

Application April 14, 1944, Serial No. 531,044

5 Claims. (Cl. 128—218)

1. In a hypodermic syringe, a tubular device having a liquid containing rear end portion and needle containing forward end portion, a puncturable seal normally closing the forward end thereof, a piston element slidably mounted therein sealing the forward end portion from the rear end portion, a double ended hollow needle element supported within the forward end portion ahead of the piston, spring means responsive to the initial limited forward movement of the piston element to project the needle element through the puncturable seal, said spring means adapted following said limited forward movement of said elements to release one element to permit the needle to puncture the piston, and means cooperating with said spring means restraining the forward advance of the needle beyond a limited distance.

2,460,040

PREPARATION OF AMINO ACIDS

Robert H. Sifferd, Clarendon Hills, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application September 13, 1947, Serial No. 773,941

10 Claims. (Cl. 260—529)

1. In the acid digestion of proteins to form amino acids, the step of carrying on such digestion in the presence of a water-immiscible aliphatic alcohol solvent for tryptophane of from 4 to 6 carbon atoms.

2,460,041

LUBRICATING COMPOSITION

William J. Sparks, Westfield, and David W. Young, Roselle, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 21, 1945, Serial No. 636,499

4 Claims. (Cl. 252—46.6)

1. A lubricant material having improved viscosity index and superior extreme pressure properties comprising a mineral oil base lubricating material having in solution therein a copolymer of approximately equal parts of butadiene and diisobutylene; the said copolymer being treated with a phosphorus sulfide to incorporate therein phosphorus and sulfur, said treated copolymer being per se a solid resin having a melting point by the ball and ring method in the general neighborhood of 83° C. and a Staudinger molecular weight in the general neighborhood of 3000 to 5000, an iodine number of about 100 to 122; and containing, combined thereinto, about 0.19% to about 0.41% of phosphorus and about 0.45% to 0.88% of sulfur by weight, based on the weight of the total composition sufficient to yield a viscosity index ceiling of approximately 145, and extreme pressure properties sufficiently good to carry all the weights on the Almen machine under shock loading.

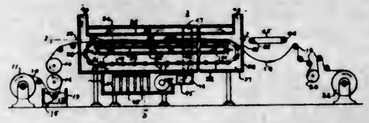
2,460,042

METHOD OF MAKING COCKLE PAPER

Stephen B. Stafford, Oxford, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts

Application January 13, 1945, Serial No. 572,711

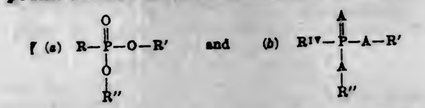
2 Claims. (Cl. 117—11)



2. The method of making cockled paper comprising the steps of providing a wet strip of paper impregnated with water and a cockle stabilizing sizing, progressively feeding the paper strip forward into, through and out of a drying zone in a substantially horizontal and flat condition with the aid of traveling cross sticks there beneath moving longitudinally forward faster than the strip and which frictionally engage and slip relative to the under side of the paper strip, while supporting a part of the wet weight of the strip on a buoyant current of heated air projected upwardly between the sticks and against the under side of the strip and subjecting the strip to only that light surface frictional contact with the sticks and a longitudinal tension which is sufficient to move the partially floated paper horizontally without destroying the cockled effect, and evaporating the water and shrinking the paper and thus causing stabilization of the cockle by the sizing remaining therein.

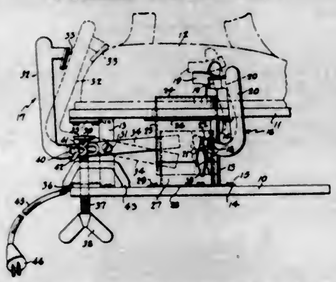
2,460,043
PHOSPHONIC ACID ESTERS
Wilber O. Teeters, River Edge, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 29, 1945, Serial No. 613,428
9 Claims. (Cl. 260—461)

1. As a new composition of matter a compound selected from the group consisting of:



wherein R is a radical selected from the class consisting of ac-indenyl radicals and hydrogenated ac-indenyl radicals and their homologs; R′ and R″ are radicals selected from the class consisting of hydrocarbon radicals and chlorinated hydrocarbon radicals; R^{IV} represents a radical selected from the group consisting of ac-indenyl radicals and their homologs; and A represents a bivalent radical selected from the class consisting of —O— and —S—.

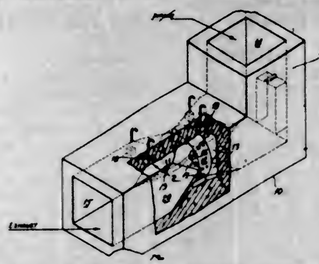
2,460,044
AUTOMATIC SAFETY FLATIRON HOLDER
Michael B. Tomey, South Norwalk, Conn.
Application December 12, 1946, Serial No. 715,775
8 Claims. (Cl. 248—117.2)



3. A flatiron support comprising a platform to receive the iron, supports for the platform, a plurality of levers pivoted to the supports, said levers each including an upright arm provided with a grip to engage the iron to hold it on the platform and a lower arm extending under the platform, and a vertically movable plunger so mounted in the platform as to project above it to be engaged by the iron when on the platform and resting on said lower arms to swing the grips inwardly to engage the iron when the plunger is depressed by the weight of the iron.

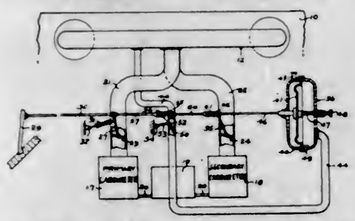
2,460,045
AIRPLANE ENGINE TEST CELL AND LIGHTING THEREFOR
Davis H. Tuck, Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application February 1, 1944, Serial No. 520,626
4 Claims. (Cl. 73—116)

1. A test cell for airplane engines comprising a monolithic concrete structure with horizontally extending inlet and exhaust ducts and an intermediate throat portion of circular cross section, the top of the inlet and outlet ducts and the periphery of the throat portion having inwardly opening recesses each provided with a reinforcing ring-like frame partly embedded in the concrete to be flush with the surface thereof, a flat cover frame carrying a light transmitting plate



clamped against the reinforcing frame to form a closure for the recess, a bracket member anchored in the concrete in each recess independently of the ring-like member, and a light source secured on each bracket.

2,460,046
INTERNAL-COMBUSTION ENGINE
Charles H. Vincent, Avoca, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 31, 1944, Serial No. 561,181
4 Claims. (Cl. 123—127)

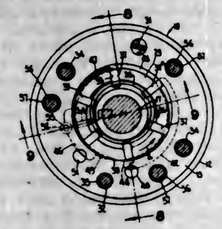


1. In an internal combustion engine having fuel inlet passages, a manifold having a pair of parallel galleries each of which is connected with all of the engine inlet passages, a primary carburetor connected with one gallery, a secondary carburetor connected with the other gallery, throttle control valves for the carburetors, actuator means for the throttle valve of the primary carburetor, pressure responsive means for actuating the throttle valve of the secondary carburetor, a connection from one of the manifold galleries to the pressure responsive device, a valve in the connection, and means operated by the actuator means for the throttle valve of the primary carburetor for controlling the valve in said connection, said valve controlling means being operated to open the valve in the pressure connection only after the throttle valve of the primary carburetor is partly open.

2,460,047
VANE PUMP AND PRESSURE CONTROL MEANS
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application November 19, 1942, Serial No. 466,116
6 Claims. (Cl. 103—136)

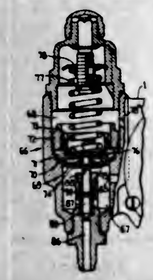
1. A pump comprising a casing having internal opposed side walls joined by an internally

cylindrical imperforate surface, a drive shaft journaled in said casing eccentric to said surface, a cylindrical rotor on and concentric with said shaft and having tangential contact with said surface, radially movable equi-spaced vane members carried by said rotor and contacting said surface, said casing having in at least one of its side walls an inlet port extending circumferentially of said rotor and opening transversely to the plane of the rotor into the space between said rotor and said surface and beginning adjacent the line of said tangential contact, said casing having in at least one of its side walls an exhaust port extending circumferentially of said



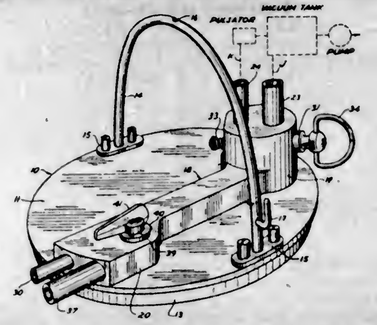
rotor and opening transversely to the plane of the rotor into the space between said rotor and said surface and ending substantially at the line of said tangential contact such that said inlet port and said exhaust port are spaced at said line of contact a distance less than the space between adjacent vane members, and said inlet port terminating and said exhaust port beginning at points spaced substantially equi-distant to the spacing between said vane members at said surface, said exhaust port having a leading portion of reduced cross-sectional area relative to the remainder of said exhaust port and extending circumferentially of said rotor in a direction opposite to the rotation of said rotor.

2,460,048
PRESSURE REGULATING MEANS
Adolf .von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 25, 1944, Serial No. 528,073
10 Claims. (Cl. 137—153)



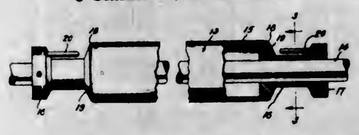
1. In a device of the character described, a housing member having a pressure chamber with an inlet and having an outlet chamber, a diaphragm member of flexible stretchable resilient material separating said chambers, a backing member in said outlet chamber and seating on and clamped to said diaphragm member, said backing member and said diaphragm member having an opening therethrough, valve means in said pressure chamber and cooperable with and controlling flow through said opening and having a constantly open bleed, a flexible stretchable resilient member in said outlet chamber and seating on said backing member to close said opening and having a constantly open small opening therethrough for free flow of fluid passing through said bleed, said stretchable member automatically stretching and contracting to regulate the size of said small opening in accordance with the flow permitted by said valve means.

2,460,049
MILK PAIL COVER
Alfred C. Welby, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis.
Application January 9, 1946, Serial No. 639,917
8 Claims. (Cl. 31—61)



4. In a milking machine having a conventional milk pail, a pulsator, a suction source, a teat cup group and a milk tube and a pulsing tube leading toward the pail from the teat cup group and a suction tube and a pulsing tube leading toward the pail from the suction source and pulsator, the improvement which consists in a cover for the milk pail having two nipples at one side for connection to the milk tube and first mentioned pulsing tube and another pair of nipples for connection to the suction tube and second mentioned pulsing tube, the cover having a channel connecting the two nipples for the pulsing tubes, the cover also having an opening connecting the interior of the pail to the nipple for the suction tube, and another opening connecting the interior of the milk pail to the nipple for the milk tube, a manually operative valve in the last mentioned opening, and a second valve operative in both the said channel and the opening to the suction tube nipple for simultaneously closing the channel and this opening.

2,460,050
KNITTING MACHINE ATTACHMENT
Frank George Weisbecker, Glenside, Pa.
Application January 14, 1948, Serial No. 2,297
6 Claims. (Cl. 66—149)



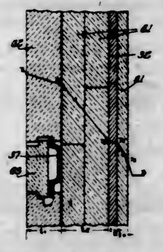
1. A work take-up reel for a straight knitting machine comprising; a cylindrical structure hav-

ing an annular groove intermediate the ends thereof, the width of said groove being somewhat greater than the width of a work take-up strap to be wound therein, and a pin secured to one side wall of said groove and extending transversely thereof into proximity to the other side wall, said pin being spaced from the bottom of said groove, whereby an end loop of the work take-up strap may be detachably connected to said pin, over the free end thereof.

2,460,051
THERMOMETER HAVING A CASING WITH A MAGNIFYING ELEMENT
William E. Welch, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a corporation of Ohio
Application August 2, 1944, Serial No. 547,769
3 Claims. (Cl. 73—372)

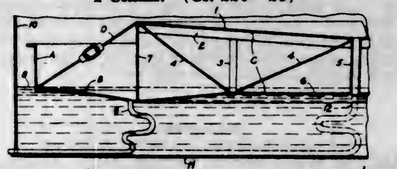
1. In a thermometer, a casing comprising an elongate relatively narrow body of transparent solidified plastic material having in its rear side a cavity extending for the major portion of the length thereof, a card supported in said cavity and bearing a longitudinal series of temperature indications, a thermometer tube and bulb supported in fixed relation to said indications, said body having a front portion shaped to form a magnifying element of a length approximately equal to the length of said series of indications, and also having a light diffusing wall in front of and extending above said bulb.

2,460,052
LINED CONTAINER
Nels E. Werner, Detroit, Mich., assignor to Bigelow-Liptak Corporation, Detroit, Mich., a corporation of Michigan
Application January 1, 1943, Serial No. 470,992
7 Claims. (Cl. 23—252)



1. In a container adapted to accommodate a heated fluid medium under pressure when in operation having an outer pressure-sustaining metal-shell, a lining of refractory-tiles forming the inner surface of the container, a lining of heat-insulation between said tile-lining and said metal-shell, and metallic means, carried by, and on the inner surface of, said metal shell mounting said tile-lining in place with provision for expansion and contraction, the novel combination of improvements being, (a) that at least some of the tiles of said refractory-tile lining outwardly overlap said metallic mounting-means determining the innermost position of such lining and all of the tiles of said refractory-tile lining are otherwise shaped to allow slight outward play of said lining on said mounting-means, and (b) that said insulation-lining is composed of blocks shaped to accommodate the parts of said tile-mounting means extending through the insulation-lining, supplemented with insulating-cement, such blocks and cement completely filling the entire volumetric-space between the inner surface of said metal-shell and said tile-lining unoccupied by said tile-mounting means, whereby the outward pressure of said fluid-medium in said container when in operation acting through said refractory-tile lining maintains said insulation-lining under pressure against the inner surface of said metal-shell, thereby tending to prevent the development of local hot spots thereon due to laning of convection-currents of said fluid-medium.

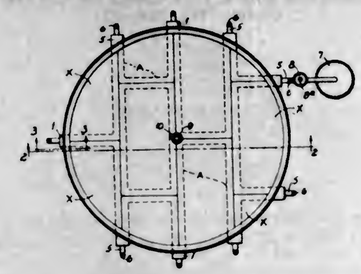
2,460,053
FLOATING ROOF FOR LIQUID STORAGE TANKS
John H. Wiggins, Chicago, Ill.
Application October 12, 1944, Serial No. 558,393
1 Claim. (Cl. 220—26)



A floating tank roof, comprising a center pontoon of stiff construction, having a top and bottom and a vertical rim between said top and bottom, a flexible deck portion surrounding said center pontoon and attached at its inner edge to the bottom edge portion of the rim on said center pontoon, a stiff, annular girder attached to the outer edge of said deck portion and projecting upwardly therefrom, and tension members attached at their outer ends to said annular girder adjacent the bottom edge of same and attached at their inner ends to said center pontoon adjacent the top edge portion of same, for transferring part of the load of said annular girder to the rim of the center pontoon, to maintain said deck portion in an inclined position, sloping downwardly towards the rim of the center pontoon.

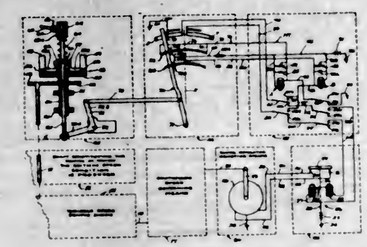
2,460,054
TANK BOTTOMS EQUIPPED WITH IMPROVED MEANS FOR TESTING SEAMS AND RECOVERING LEAKAGE FROM SAME
John H. Wiggins, Chicago, Ill.
Continuation of application Serial No. 490,119, June 7, 1943. This application November 26, 1945, Serial No. 630,933
1 Claim. (Cl. 220—75)

A tank provided with an upright side wall, a bottom composed of metal plates joined together, interconnected troughs laid on the ground under said bottom in alignment with the seams of the bottom and having side walls that comprise resilient portions which bear against the underside of the bottom, said troughs leading



to inspection stations located adjacent the lower end of the tank side wall on the exterior of the tank, and means accessible from the top side of the tank bottom for attaching the troughs to said bottom.

2,460,055
CONTROL APPARATUS
Bosser L. Wilson, Mahwah, and Erwin R. Knauer, Westwood, N. J., assignors to American Brake Shoe Company, New York, N. Y., a corporation of Delaware
Application October 24, 1945, Serial No. 624,184
21 Claims. (Cl. 175—320)

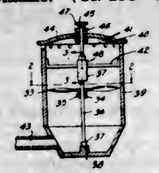


1. In a regulator apparatus, a shiftable control member adapted to be shifted into and out of a neutral position in response to variations in a condition that is to be regulated, a control circuit, switch means for said control circuit operated by said control member to close said control circuit when such control member moves out of said neutral position in one direction and to open said control circuit when said control member is in said neutral position, a first slow-to-release relay having normally closed relay contacts included in said control circuit and effective when said first relay is operated to break said control circuit, a second slow-to-release relay having normally open contacts included in said control circuit and effective when said second relay is released to break said control circuit, and circuit means governed by said control member so as to be closed by said control member when said control member is displaced from said neutral position for causing repeated cycles of alternate energization of said first and second relays whenever and so long as said control member is displaced from said neutral position.

2,460,056
PURIFICATION OF UNSATURATED HYDROCARBON MIXTURES
Howard L. Yowell, Elizabeth, and Miller W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 24, 1945
Serial No. 590,118
12 Claims. (Cl. 260—681.5)

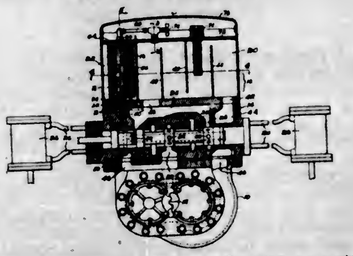
2. A process of purifying aldehyde contaminated hydrocarbons which comprises bringing the contaminated hydrocarbons into contact with a dilute aqueous solution of a compound selected from the class consisting of ammonia and water-soluble amines and thereafter separating the hydrocarbons from said aqueous solution.

2,460,057
MIXER FOR GAS BURNERS
Constantinos Bellios, Brooklyn, N. Y.
Application May 17, 1944, Serial No. 535,926
2 Claims. (Cl. 158—118)



1. A gas burner, comprising a cylindrical housing having an open top formed with a serrated top edge through which a gas air mixture may pass to form the gas flames and having at its bottom an inlet for said gas air mixture, a cover mounted across said open top, and one or more baffle blades mounted within and across said housing for further mixing said gas air mixture, said baffle blades being mounted on a spindle having conical ends, a bearing supporting the bottom conical end of said spindle, a strip mounted across said housing and forming a bearing support for the top conical end, a yoke loosely engaging around said strip and having a serrated portion engageable with a serrated portion of said top conical end, a stem supporting said yoke and movable to engage and disengage said serrated portions, and said stem extending through said cover.

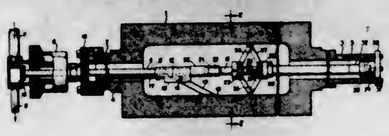
2,460,058
HYDRAULIC POWER APPARATUS
Robert M. Brodeur, Worcester, Mass., assignor to Parker Manufacturing Company, Worcester, Mass., a corporation of Massachusetts
Application April 26, 1946, Serial No. 665,129
5 Claims. (Cl. 60—52)



1. In a hydraulic system wherein a continuously running pump forces fluid through the

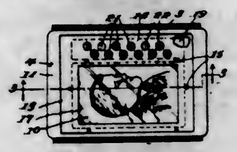
system and valve mechanism provides for selectively exhausting the discharge to the intake of the pump or operatively connecting the pump to a fluid operated apparatus, in combination with said parts a by-pass from the delivery side of the pump around the valve mechanism having a filter therein, a metering port at the inlet side of the by-pass to pass a fractional portion only of the discharge of the pump, and means at the discharge side of the by-pass for creating a back pressure supporting the filter.

2,460,059
SIPHON APPARATUS FOR HEATED ROLLS
Hobart W. Bruker, Bordentown, N. J., assignor to George W. Swift, Jr. Inc., Bordentown, N. J., a corporation of New Jersey
Application September 11, 1946, Serial No. 696,295
4 Claims. (Cl. 34—125)



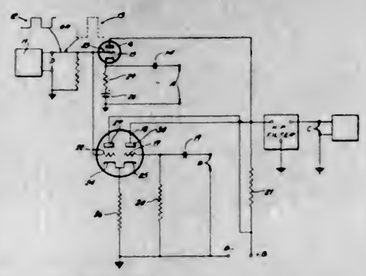
1. Siphon apparatus for heated rolls, including an exhaust conduit member positioned centrally within the roll and extending out through one end of the roll, said conduit member having a bearing portion located in the midsection of the roll, said midsection having an internal bore of enlarged size as compared to the bore of the end sections of the roll, a supporting structure located in said midsection and having rotary bearing means engaging said bearing portion, said supporting structure also having outwardly extending arms engageable with the inner wall of the roll to hold the supporting structure in position, means being provided to afford movement of said arms from their aforesaid wall engaging positions into positions near the axial zone of the roll.

2,460,060
NEGATIVE CARRIER WITH DENSITY COMPARISON SCALE
Donald L. Butler, Saint John's, Newfoundland
Application November 5, 1945, Serial No. 626,717
3 Claims. (Cl. 88—24)



1. A density indicator for a photographic enlarger having a base plate, light housing, and a negative carrier, said negative carrier comprising a frame with a series of openings therethrough, a strip of transparent material in the carrier having a plurality of graduated shaded areas thereon with the density of the shaded areas varying from substantially clear to comparatively opaque corresponding to the density of areas of a negative, and means mounting said transparent strip in one side of the negative carrier with each of said shaded areas registering with one of the openings in the series of openings through the said carrier.

2,460,061
KEYING CONTROL SYSTEM
Reynold S. Chapin, Flushing, N. Y., assignor to Press Wireless, Inc., New York, N. Y., a corporation of Delaware
Application July 8, 1946, Serial No. 681,820
1 Claim. (Cl. 250—27)

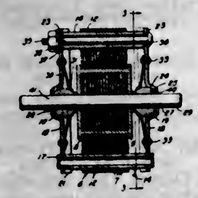


An arrangement of the character described, comprising a first triode, a first source of input signals coupled to the cathode of said first triode, a second triode, a second source of input signals connected to the control grid of said second triode, a third triode having its control grid connected in parallel with the control grid of the first triode, a common load resistor connected between the cathodes of the second and third triodes and ground, means normally biasing the cathode of the first triode to plate current cutoff while the second triode is plate conductive, means to apply a control signal of a certain magnitude to the control grids of the said first and third triodes without disturbing the plate current cutoff of the first triode and the plate current conductivity of the second triode, and for applying a control signal of a different magnitude to the control grids of the first and third triodes to render the first triode plate conductive while simultaneously rendering the second triode non plate conductive through the intermediary of the voltages developed across said common cathode resistor, and a common plate load circuit connected to the plates of the first and second triodes.

2,460,062
GRID CONTROLLED ELECTRON TUBE
Paul W. Charton, Montclair, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application November 23, 1945, Serial No. 630,320
18 Claims. (Cl. 250—27.5)

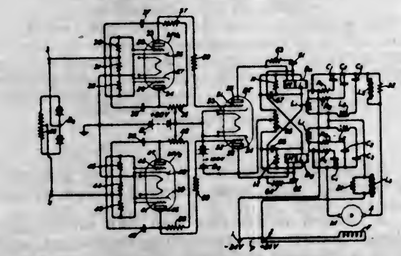
1. An electron-discharge device, comprising an electron-emitting cathode, an anode, and a grid located in the path of electron emission from said cathode, said grid having a substantial part of its control periphery in the configuration of a logarithmic curve.

2,460,063
ELECTRIC MOTOR
James D. Cole, Park Ridge, Ill.
Application March 15, 1946, Serial No. 654,573
7 Claims. (Cl. 172—36)



2. In an electric motor, the combination with a stator lamination stack having a bore for the reception of an armature, of at least two longitudinally slit tubular bushings mounted in holes extending through said stator lamination stack, said holes extending parallel to the axis of said bore and are arranged at diametrically opposed points of the latter, said tubular bushings owing to their inherent diametric resiliency engaging the wall of the holes with a snug fit and projecting with their ends from the end faces of said stator lamination stack and being provided at their outer extremities with a reduced diameter forming annular shoulders which are arranged a predetermined distance away from the end faces of said stack, bearing brackets provided with a bearing for the armature shaft and having apertures into which extend the outer reduced diameter portions of said tubular bushings, tie bolts extending loosely through said tubular bushings, and means at the ends of said tie bolts and engaging said brackets for clamping the same against said annular shoulders on said tubular bushings, whereby the bearing brackets are supported by said tubular bushings in a position in which the bearings are in axial alinement with the axis of the bore for the armature in said stator lamination stack.

2,460,064
MOTOR CONTROL CIRCUIT
Austen M. Curtis, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 16, 1945, Serial No. 594,063
16 Claims. (Cl. 318—257)



1. In a motor control circuit, two control tubes, a relay associated with each of said tubes each relay having a high resistance and a low resistance winding connected in opposition, an energizing circuit for each relay including the cathode-plate path of the associated tube, the high resistance winding of such relay and the low resistance winding of the other relay, means for transmitting impulses of current over said circuits, a source of power, a reversible motor, means controlled by said relays for applying power from said source to said motor, and an input circuit for selectively controlling said tubes to apply current to one of the other of said first circuits, whereby one of said tubes is effective to render the associated relay operable and is effective to energize the low resistance winding of the relay associated with the other tube to render the latter relay unresponsive.

2,460,065
COBALT SULFATE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,716
8 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating adsorbent silica selected from the group consisting of silica gel and porous glass with about ½ to 3%, on a dry basis, of cobalt sulphate, said cobalt sulphate having one color in a hydrated state and a different color in a less hydrated state, and heat treating the so impregnated silica at 250–1000° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–10%.

2,460,066
COBALT SULFATE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,717
8 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated adsorbent silica gel with about 2% of cobalt sulphate, and heat treating the impregnated gel at about 300–850° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–5%.

2,460,067
COPPER BROMIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,718
6 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated adsorbent silica gel with about 4%, on a dry basis, of copper bromide, and heat treating the impregnated gel, at 250 to 600° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–30%.

2,460,068
COBALT BROMIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,719
8 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating

activated adsorbent silica gel with about 2–3% of cobalt bromide, and heat treating the impregnated gel, at a temperature of 200–250° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–40%.

2,460,069
COBALT BROMIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,720
2 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated silica gel with about ¾%, on a dry basis, of cobalt bromide, drying the impregnated silica gel at a temperature of about 275° F., and activating the impregnated silica gel at a temperature of about 400° F., said indicators changing color when exposed to an atmosphere having a relative humidity of 5–10%.

2,460,070
COBALT PHOSPHATE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,721
2 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated silica gel with about ½%, on a dry basis, of cobalt phosphate, drying the impregnated silica gel at a temperature of about 250° F., and activating the impregnated silica gel at a temperature of about 400° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–10%.

2,460,071
COBALT CHLORIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,722
8 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated adsorbent silica gel with ½–5% of cobalt chloride, and heat treating the impregnated gel, said indicator changing color when exposed to an atmosphere having a relative humidity ranging from 0–60%.

2,460,072
COPPER CHLORIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,723
2 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated silica gel with about 2%, on a dry basis, of copper chloride, drying the impregnated silica gel at a temperature of about 300° F., and activating the impregnated silica gel at a temperature of about 600° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 0–10%.

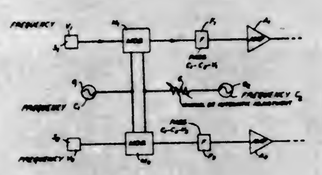
2,460,073
COBALT IODIDE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,724
6 Claims. (Cl. 252—408)

1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated adsorbent silica gel with about 2% of cobalt iodide, and heat treating the impregnated gel, at 250 to 400% F., said indicator changing color when exposed to an atmosphere having a relative humidity of 20–60%.

2,460,074
COBALT THIOCYANATE RELATIVE HUMIDITY INDICATORS
Paul Bell Davis, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
No Drawing. Application February 7, 1945, Serial No. 576,725
2 Claims. (Cl. 252—408)

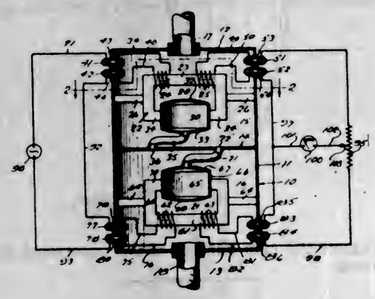
1. A method of preparing a quantitative relative humidity indicator comprising impregnating activated silica gel with about ¾%, on a dry basis, of cobalt thiocyanate, and drying the impregnated silica gel at a temperature of about 250° F., said indicator changing color when exposed to an atmosphere having a relative humidity of 20–40%.

2,460,075
TRANSMISSION CONTROL SYSTEM
Alton C. Dickieson, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 1, 1946, Serial No. 673,874
6 Claims. (Cl. 179—171.5)



3. A system comprising two like modulating devices, circuits for supplying to one of said devices a variable amplitude carrier wave and a first signal wave for modulating said carrier wave in said one device, and circuits for supplying to said other device, said carrier wave and a second signal wave for modulating said carrier wave in said other device, each of said devices being adapted to vary its modulator gain linearly by the same factor with variation of the amplitude of said carrier wave.

2,460,076
ELECTROMAGNETIC PRESSURE GAUGE
John F. Emerson, Hasbrouck Heights, N. J., assignor to Kearfott Company, Inc., New York, N. Y., a corporation of New York
Application February 24, 1947, Serial No. 730,484
4 Claims. (Cl. 73—398)



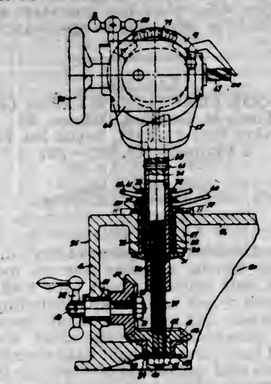
1. An electromagnetic pressure gauge for measuring fluid pressures, comprising a closed container having a cylindrical wall of a magnetic material the permeability of which varies as a function of the mechanical stress to which it is subjected, magnetic members attached to said wall at diametrically opposite points and with said walls forming a closed core in which the flux passes circumferentially around said walls, primary and secondary windings carried by said magnetic members, means supplying the fluid pressure to be measured to said container to stress the walls thereof and thereby vary the reluctance of said core, a current source connected to energize said primary winding and a voltage responsive device connected to said secondary winding.

2,460,077
METHOD OF PROCESSING CASINGS
Thomas R. Ernest, Chicago, Ill., assignor to Thompson Manufacturing Co., Chicago, Ill., a corporation of Delaware
No Drawing. Application May 21, 1945, Serial No. 595,055
11 Claims. (Cl. 99—175)

1. A new and improved method of processing gut casings which comprises immersing the casings and keeping them in contact with water and agitating the casings and the water with oxygen bubbled therethrough.

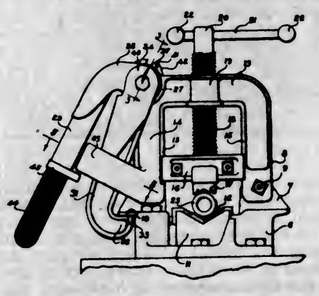
2,460,078
WORK HOLDER FOR TOOL GRINDERS
John D. Faudree, South Bend, Ind., assignor of one-half to Raymond L. Kuns, New Carlisle, Ind.
Application September 19, 1946, Serial No. 698,015
14 Claims. (Cl. 51—219)

1. The combination with a grinder having a base frame, a cross feed carriage, and a grinding wheel journaled on said carriage, of a work holder comprising an elongated upright journaled in and axially shiftable relative to said base frame and terminating in a yoke, means for axially shifting said upright, a work holding chuck pivoted to said yoke about a horizontal axis, means for locking said upright in selected rotative adjustment relative to said base frame and means



for angularly adjusting said chuck relative to said upright.

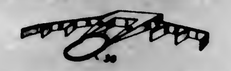
2,460,079
QUICK-ACTING LEVER ACTUATED PIPE VISE
Leon J. Ferree, Coffeyville, Kans., assignor of one-half to Melvin J. Huxtable, Kansas City, Mo.
Application February 21, 1944, Serial No. 523,274
3 Claims. (Cl. 81—19)



1. In a vise of the character described, a base member having a fixed jaw thereon, a yoke-like member mounted pivotally on said base member, a rigid jaw slidably mounted for adjustment on said yoke-like member, screw-threaded means for adjusting the position of said slidably mounted jaw on said yoke-like member, an abutment on said base member, a hook-like member adapted to engage said abutment, and means for pivotally mounting said hook-like member on said yoke-like member comprising an eccentric mounted on said yoke-like member to rotate about an axis fixed relative to said yoke-like member, means pivotally connecting said hook-like member with said eccentric eccentrically to the axis of rotation of said eccentric, and a lever fixed to said eccentric to rotate the same to clamp said hook against said abutment and a work piece between said jaws, said lever being provided with means for successively releasing said hook-like member from said abutment to release said clamped work piece from said jaws, and swinging said hook-like member away from said abutment by a continuous movement thereof in one direction, said

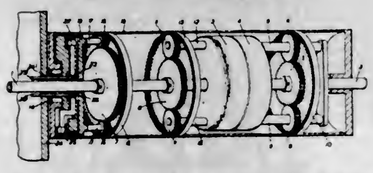
yoke-like member having a U-shaped strap thereon receiving and engaged by said hook-like member to swing said yoke-like member about its pivot by means of said lever to open said vise.

2,460,080
INDOOR PRACTICE PUTTING CUP
Louis H. Gerding, Ottawa, Ill.
Application May 27, 1947, Serial No. 750,831
2 Claims. (Cl. 273—36)



1. A simulated putting green comprising a carpet member having a recess therein, means for receiving a ball seated in part over and in part adjacent said recess, said means including a base member, arms detachably secured thereto and extending outwardly from the sides thereof, a slot in said base member, said base member positioned above said recess and a relatively flat band extending from said base member and partially extending in said slot and an inclined floor in said recess to allow golf balls to roll by gravity to one end of said recess.

2,460,081
EPICYCLIC CHANGE-SPEED GEAR
David Cecil Goodchild, London, England
Application September 3, 1943, Serial No. 501,167
In Great Britain September 3, 1942
16 Claims. (Cl. 74—688)



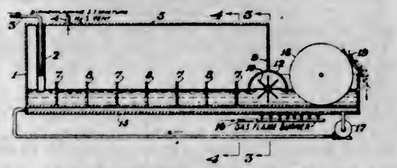
1. Epicyclic gearing including a fluid coupling, a driving shaft and a driven shaft, wherein the shafts of the orbital wheels of one set of epicyclic gearing comprising a sun wheel, orbital wheels and a series of annulus unit teeth are connected to the driven shaft and to one member of the fluid coupling, and wherein the shafts of the orbital wheels of another set of epicyclic gearing also comprising a sun wheel, orbital wheels and a series of annulus unit teeth, are connected to the other member of the fluid coupling, the sun wheels of both sets of epicyclic gearing being fixed to the driving shaft, and the series of annulus unit teeth of the two sets of epicyclic gearing being connected together to form an annulus unit, and means for controlling the rotation of the annulus unit.

2,460,082
ELECTRIC CORD REEL
Norman A. Gray, Stamford, Conn., assignor to Schick Incorporated, Stamford, Conn., a corporation of Delaware
Application October 5, 1946, Serial No. 701,479
2 Claims. (Cl. 242—107)

1. In a device of the character described, the combination of an electric cord reel, including a hub to receive a cord wrapped thereon, the hub incorporating means adapted to form a radially projecting hump in the form of a fast-rising cam portion in each wrap of a cord applied thereto, and stop means carried by the device in position

to engage the cam portion of the outermost wrap of cord.

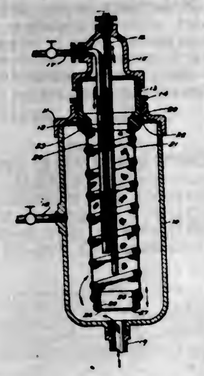
2,460,083
REACTION TANK WITH FLAKER
Max L. Harbaugh, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application October 14, 1944, Serial No. 558,710
2 Claims. (Cl. 23—285)



1. An apparatus, useful for the production of thiodiphenylamine by a liquid phase reaction of diphenylamine and sulfur, which comprises a horizontal receptacle for a fluid reaction mixture, an inlet means for reactants at one end of the receptacle, baffles disposed transversely of said receptacle for a major portion of the length of said receptacle and dividing said major portion of said receptacle into compartments to require said fluid reaction mixture to follow a circuitous path, a cover for said receptacle extending for a major portion of its length and enclosing the portion of said receptacle containing said baffles, a gas vent in said cover, a flaking drum disposed in the uncovered portion of said receptacle to dip into said fluid reaction mixture, an agitator positioned adjacent the uncovered end of the receptacle for circulating said fluid reaction mixture between the uncovered portion of said receptacle and the compartment in the covered portion of said receptacle adjacent the uncovered portion of said receptacle, and a means for heating said receptacle.

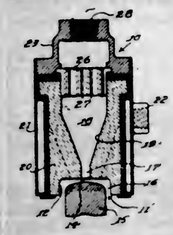
2,460,084
FILTER
Haldan Hebo, New York, N. Y.
Application September 13, 1944, Serial No. 553,911
4 Claims. (Cl. 210—167)

1. In a self-cleaning filter construction, an elongated vessel adapted for use in vertical position and having a central opening at its bottom, a removable, airtight closure for the top of the vessel, a mounting for a filter unit extending concentrically from the closure into the vessel and having interior and exterior groove-like seating means, a filter unit depending from said mounting into the vessel and comprising a helical spring element resting with its upper, relatively fixed end against said interior seating means, a pliable, substantially tubular filter member supported by and exteriorly covering said spring element, the upper, relatively fixed end of the filter member being secured in said exterior seating means of



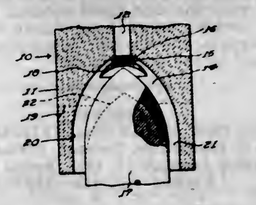
said closure mounting, a closing member at the lower end of the spring element and having upper and lower seating means, the lower, relatively movable end of said spring element engaging the upper seating means, the relatively movable lower end of the filter member being fixedly secured in said lower seating means of the closing member, an outlet conduit extending through the vessel closure into the filter unit and terminating in near proximity to said closing member, said filter member slightly compressing said spring element.

2,460,085
METHOD OF AND APPARATUS FOR HEAT-TREATING
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,145
4 Claims. (Cl. 263—2)



1. In the art of heat treating surface portions of workpieces in an open arrangement with the aid of an open sided chamber having refractory walls that are provided with an inlet opening and opposite the inlet opening are provided with an opening having contours which receive the surface portions to be heat treated which includes the steps of moving the said surface portions into proximity to the contours to form therewith a narrow gap or passage surrounding the surface portions, introducing hot products of combustion at high velocity through said inlet into the passage to heat the side walls of the chamber to incandescence, maintaining the flow of the hot products of combustion to maintain the incandescence, and heating the surface portions by radiation from the incandescent walls of the chamber and the hot products of combustion.

2,460,086
HEAT-TREATING
Frederic O. Hess, Philadelphia, Pa., assignor to Selas Corporation of America, Philadelphia, Pa., a corporation of Pennsylvania
Application December 14, 1944, Serial No. 568,147
4 Claims. (Cl. 263—2)



1. A heating unit for heating a number of duplicate work pieces in succession in an open arrangement comprising structure providing a refractory lined chamber closed at one end and open at the other end, means including a member at the closed end of the space having passage means therein to supply a combustible gas mixture under pressure to the space and cause the mixture to spread out for combustion adjacent to and alongside a region of the refractory lining which is at the closed end to heat such region to a highly radiant condition, the work pieces in succession being adapted to be positioned in the space through the open end thereof and then withdrawn after the desired heating of each work piece is accomplished, the chamber being of such size with respect to the work pieces that, when one of the work pieces is positioned therein, a narrow gap is formed between the work pieces and lining to cause the heated gases developed by combustion in the chamber to flow at a relatively high velocity through the gap and effect heating of the work piece by heat including heat radiated from the lining at the gap which is heated to a highly radiant condition by the heated gases flowing in contact therewith and by heat liberated from the heated gases which spread out in the gap and also pass over and in intimate contact with the work piece, and high temperature refractory shielding means associated with said member which projects beyond the latter and is spaced from and overlies the region of the lining into which the mixture is discharged from the member to prevent excessive heating of the part of each work piece adjacent to the closed end of the space.

2,460,087
SNAP-ACTION ELECTRIC SWITCH
Gilbert Hollis, London, England, assignor to Sidney Geoffrey Young, London, England
Application June 13, 1946, Serial No. 676,403
In Great Britain June 26, 1945
7 Claims. (Cl. 200—67)

1. In a snap-action electric switch having a fixed and a movable contact mounted on an insulating base, the improvement which comprises

constructing the said movable contact in the form of a snapper from a single piece of spring metal, the said snapper being in the form of a frame having a pair of flexible and extensible side members linked at their ends by cross-members, comparatively rigid tongues extending inwardly from the cross-members to points intermediate of the

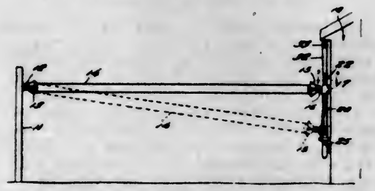
flexible and extensible side members, one of the said cross-members being anchored to the insulating base and the other being adapted to make contact with the said fixed contact, and an operating member adapted to engage with the opposed edges of the tongues being freely held between and by the said tongues.

2,460,088

MEANS FOR ADJUSTING CLOTHESLINES

Donald E. Hutchings, Toronto, Ontario, Canada

Application January 30, 1945, Serial No. 575,241
1 Claim. (Cl. 211—119.02)



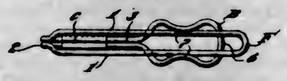
In combination, a clothesline having one end fixedly supported, an adjustable support for the other end thereof, said adjustable support including a vertically inclined tubular guide and a block freely slidable on said guide, said block having legs embracing said guide, a plurality of pins extending between said legs, a pair of roller means on each pin for engaging said guide, said roller means consisting of a pair of tapered rolls with their smaller diameters adjacent each other for maintaining bearing at two arcuately spaced points on the circumferences of said guide, means for raising and lowering said block on said guide comprising a pulley mounted above said guide, a cable attached to said block and entrained over said pulley and a bracket for supporting the lower end of said guide and for detachably securing said cable to maintain said block in vertically adjusted portions.

2,460,089

NECKTIE HOLDER

Sylvester A. Johnson, Providence, R. I., assignor to The Hadley Company, Inc., Providence, R. I., a corporation of Rhode Island

Application January 15, 1947, Serial No. 722,207
2 Claims. (Cl. 24—49)



2. A tie holder comprising elongate front and back parts fast together at one end and unconnected at the other end to receive a necktie and shirt band therebetween, said front part being narrow and the back part comprising an elongate wire loop which is wider than the front part, each side of the loop being bent forwardly to form a channel having resilient wings which straddle said front part for receiving a portion of the necktie, shirt band and said front part, and the wings being bent inwardly intermediate their ends to form locking tips, the locking tips extending along a plane substantially parallel to the plane of the back part and the distance between the locking tips being slightly less than the width of said front part, whereby a portion of the necktie and shirt band are resiliently locked between the front and rear parts within the elongate wire loop of said back part for a substantial distance extending cross-wise of the necktie.

2,460,090

FREQUENCY SELECTIVE APPARATUS

Walter F. Kannenberg, Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 26, 1945, Serial No. 630,927
3 Claims. (Cl. 178—44)

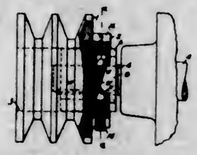
1. A cavity resonator comprising a conducting surface in the form of a tube having varying internal cross-sectional area, parallel end walls defining the boundaries of an electromagnetic field within the tube, means for moving one of the end walls with reference to the other to vary the tuning of the resonator over a band of frequencies and means for moving the tubular conducting surface longitudinally relatively to the position of the end walls.

2,460,091

MEANS FOR SECURING MECHANICAL MEMBERS TO SHAFTS OR THE LIKE

Erwin W. Krause, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application February 24, 1947, Serial No. 730,601
6 Claims. (Cl. 287—53)



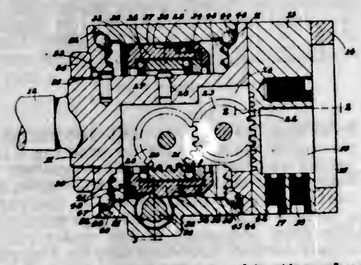
1. A mechanism comprising a member having a tapered bore, a contractible sleeve externally formed to operably fit said bore and mounted in operable relation in said bore, an oblique groove in the external surface of said contractible sleeve forming an oblique camming surface thereon within said bore, a guideway in said member entering said bore in a generally tangential direction in a plane substantially perpendicular to said bore, axially slidably interengageable means on said sleeve and member to assure registry of said groove and guideway in assembly, and actuating means movable in said guideway and having a portion penetrating said bore when in operating position, said portion being operatively engageable with said oblique camming surface to force said member to move axially relative to said contractible sleeve.

2,460,092

BORING HEAD FOR MACHINE TOOLS

Charles William George Lacey and Geoffrey Laird Binns, Slough, England, assignors to Optical Measuring Tools Limited, Slough, England, a British company

Application April 26, 1946, Serial No. 665,252
In Great Britain January 3, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires January 3, 1965
6 Claims. (Cl. 77—58)



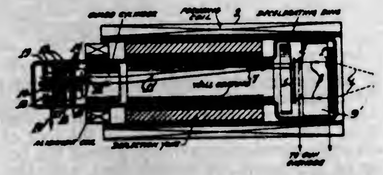
1. In a boring head the combination of a body, a tool-carrying cross slide thereon, a longitudinally movable collar on the body, gearing connecting the cross slide with the longitudinally movable collar, an adjustment ring concentric with and rotatable relatively to the collar but connected thereto so as to move longitudinally therewith, a casing surrounding the adjustment ring and rotatably mounted relatively to the said body, a screw-threaded connection between the adjustment ring and the casing to cause the adjustment ring to be movable longitudinally relatively to the casing when rotated relatively thereto, a gear member carried by the casing and gear teeth on the adjustment ring, said gear teeth meshing with said gear member.

2,460,093

CATHODE BEAM TRANSMITTER TUBE

Harold B. Law, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 19, 1945, Serial No. 589,241
4 Claims. (Cl. 250—164)



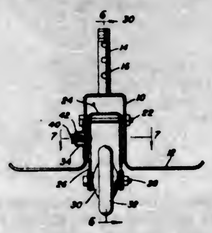
4. A television transmitting tube comprising an evacuated envelope containing a cathode ray beam gun, a photocathode, a target consisting of a thin sheet of semiconducting material, field producing means for focusing electrons from said gun on one surface of said target and electrons from said photocathode on the other surface thereof, said target being positioned in a focal plane of said electrons, a screen positioned outside said focal plane between the photocathode and the target and a signal electrode spaced widely from said target having negligible capacitance therewith.

2,460,094

ROLLER ATTACHMENT

Edward W. Little, Naches, Wash.

Application August 25, 1947, Serial No. 770,375
4 Claims. (Cl. 16—34)



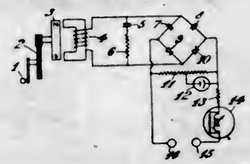
1. A roller attachment comprising a frame, feet carried by said frame, a wheel support pivotally and detachably mounted on said frame, a wheel removably carried by said support, and means locking said support against pivotal movement relative to said frame, said locking means including a bracket secured to said frame, aligned apertures in said frame and bracket, pin means extending through said apertures, means engaging said bracket and pin means for resiliently biasing said pin means through said frame aperture and into the path of pivotal movement of said wheel support.

2,460,095

INSTRUMENT FOR MEASURING RESISTANCES

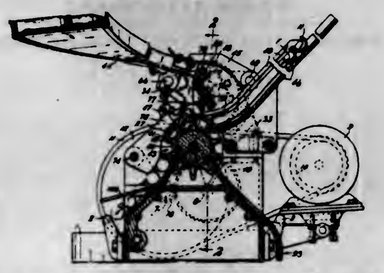
Angus Love, Cumnor, England

Application November 22, 1944, Serial No. 564,664
In Great Britain May 22, 1944
2 Claims. (Cl. 175—183)



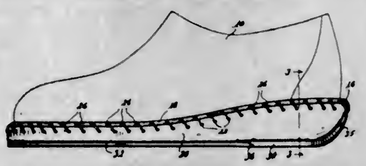
1. An instrument for the measurement of a direct current resistance comprising in combination a hand-driven rotating-magnet generator giving an alternating current of a frequency proportional to the speed of rotation, a frequency dependent circuit including the stator winding of the generator as an inductance, with resistance and capacity in parallel connection therewith, a static voltage doubler rectifier energized from the output of said frequency dependent circuit supplying a direct current to a pair of terminals for a test piece, a high resistance shunted across the output of said rectifier with a gas discharge lamp connected in parallel with part of said resistance and a current measuring device connected in series between one of said terminals and said rectifier.

2,460,096
LINKING AND DELINKING MACHINE FOR AMMUNITION BELTS
Norman W. Lyon, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a corporation of Massachusetts
Application January 17, 1947, Serial No. 722,714
1 Claim. (Cl. 86—48)



In a machine of the class described, a cartridge loading wheel, cartridge feed means to direct cartridges into said loading wheel, a link assembly wheel formed with link holding pockets around its periphery and having a step by step rotating movement, link feed means to direct links into said assembly wheel, a reciprocating plunger carriage having a fixed stroke, a pair of plungers mounted in said carriage in spaced circumferential positions with respect to the axis of said link assembly wheel, one of said plungers being longer than the other and said two plungers having their reciprocatory paths respectively in line with successive pockets on the periphery of said link assembly wheel, whereby said plunger carriage with its plungers may perform an operational action on the cartridges with respect to links in said assembly wheel in two successive stages during the step by step rotation of said wheel.

2,460,097
PLATFORM TYPE WELT SHOE
Roy Maling, Chestnut Hill, Mass.
Application March 6, 1948, Serial No. 13,482
6 Claims. (Cl. 36—17)

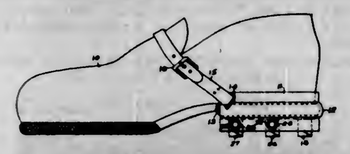


1. In a shoe having an upper, a platform base structure secured to the upper, comprising a sole and heel platform unit having the rear end of its heel portion formed with convex curvature which provides a rear surface curving upwardly and rearwardly from the plane of the under surface of the heel portion substantially to the plane of the upper surface of the heel portion, a flexible sheet element covering the side edges of said unit all around the unit and extending under at least the marginal portions of the under surface of the unit all around the unit, said element at its rear portion having oppositely disposed wings butted edgewise together in covering relation to said rear curving surface of the unit, means securing said wings in their butted relationship, a tread element secured to the flexible sheet element around the forepart and in the shank and heel regions, said tread element having a rearwardly projecting tongue curving upwardly and rearwardly over said butted wings and secured along its opposite edges to said wings, a welt strip secured to the upper all around the lower edge portion thereof, and means securing said flexible sheet element to said welt strip all around the shoe.

2,460,098
PLATFORM TYPE SHOE
Roy Maling, Chestnut Hill, Mass.
Application May 13, 1948, Serial No. 26,761
6 Claims. (Cl. 36—19.5)

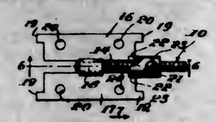
1. In a shoe, an upper, a unit underlying the rear portion of the upper for constituting a heel, and having gradually diminishing tapering extent under the shank portion of the upper, said heel portion of the unit having a rearwardly facing surface curving gradually rearwardly and upwardly from the plane of the under surface of the heel portion approximately to the plane of the upper surface of the heel portion, flexible material covering the sides of said heel and shank portions of the unit, and a tread element covering the bottom of said heel and shank portions of the unit and having extent rearwardly and upwardly in covering relation to said rearwardly facing gradually curving surface of the unit, said flexible covering material extending rearwardly at least to said rearwardly and upwardly extending portion of the tread element whereby the latter said portion of the tread element and said flexible covering material together cover all rear surfaces of the said unit.

2,460,099
SLEET CUTTER
Rudolph Malpert, Fargo, N. Dak.
Application May 16, 1947, Serial No. 748,408
2 Claims. (Cl. 36—62)



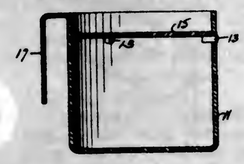
1. An ice creeper comprising a band adapted to fit about the heel of an overshoe or rubber and to extend downwardly from the bottom thereof, cutting elements secured between the legs of the band and extending downwardly from the bottom edge of the band for engagament with the ice, and a strap adapted to extend from the leg portions over the front of the shoe, and said cutting elements having threaded portions on the opposite ends of the same adapted to extend through the leg portions of the band, and lock nuts for fixing the band at its adjusted position to the threaded portion of the cutting elements whereby the band can be adjusted to different width shoes.

2,460,100
ADJUSTABLE TRUSS
Frank G. McCord, Atlanta, Ga.
Application December 2, 1946, Serial No. 713,399
2 Claims. (Cl. 128—95)



1. In a truss, the combination which comprises a substantially U-shaped spring truss wire having threaded ends, a plate threaded on each of the ends of said wire for rocking movement thereon, each of said plates being adapted to hold a truss pad, and means also threaded on each of said threaded ends of the wire and having a slot therein to receive its complementary plate for limiting the rocking movement of the plate on the wire.

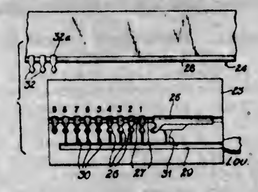
2,460,101
OPTICAL METHOD OF TESTING MILK FOR RELATIVE UNIFORMITY
Arthur A. McMurray, Nashville, Tenn.
Application April 15, 1946, Serial No. 662,170
2 Claims. (Cl. 88—14)



1. The method of testing the milk product of the teats of an animal udder for relative uniformity which includes the steps of disposing a relatively dark surface in a level position, drawing a sample of milk from one of said teats and spreading the milk from said teat uniformly over said surface to establish a coating masking said surface, the portions of said sample in excess of said coating overflowing from the surface, drawing a sample of milk of less quantity from a second said teat, discharging said second sample onto said coating to mingle therewith and overflow portions thereof beyond said surface to establish a second masking consisting of milk from both said samples, the quantity of milk in said second masking being substantially equal to the quantity of milk in the first said masking, repeating said overflowing operation for the others of said teats, while maintaining masking of said surface by a substantially uniform quantity of milk, unless and until said masking is disrupted by milk from a teat, which milk is not uniform in quality to said masking milk, whereby to successively establish comparisons of relative uniformity between the milks from the respective said teats with the preceding coating maskings.

2,460,102
METHOD OF CONTROLLING THE LENGTHS OF SEPARABLE FASTENERS
Louis H. Morin, Bronx, N. Y.
Application October 25, 1944, Serial No. 560,289
7 Claims. (Cl. 18—59)

1. The method of controlling the length of castings on an elongated mounting member on which part of the castings have been pre-formed, which comprises arranging said member in a die having a plurality of cavities conforming to the contour of said pre-formed castings and with one or more of the pre-formed castings in one or more of the cavities of said die, then forming on said member a single cast unit comprising a number

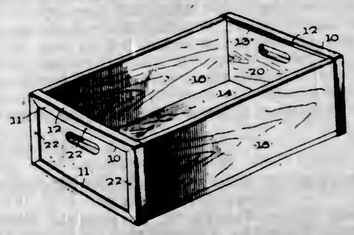


of castings defined by the unfilled cavities of the die and an added casting, said added casting being spaced from the end casting of the unit and being of a contour contrasting to that of the pre-formed castings on said member.

2,460,103
MOISTURE-RESISTANT LACQUER FOR THE PROTECTION OF ELECTRICAL COMPONENTS
Charles Rossall Pye, London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustee
No Drawing. Application March 20, 1945, Serial No. 583,854. In Great Britain August 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 30, 1963
4 Claims. (Cl. 260—25)

1. A lacquer to protect electrical components comprising an intimate chemical combination of approximately 5 parts by weight of shellac, approximately 3 parts by weight of xylenol-formaldehyde resin, a glyceride of pimaryl ricinoleic acid in the proportion of approximately between 140% and 220% by weight of said xylenol-formaldehyde resin, and a lacquer solvent.

2,460,104
KNOCKDOWN BOX OR CRATE
Leon R. Rapp, Carpenterville, N. J.
Application October 25, 1945, Serial No. 624,411
5 Claims. (Cl. 217—12)

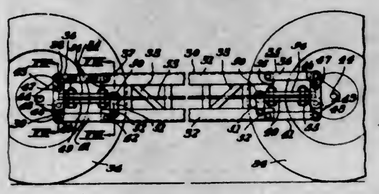


1. A box or crate comprising bottom, side and end walls, and one-piece metal end frames, ribs extending inwardly from the walls of said end frames, said bottom and sides being provided with slots along one surface and adjacent the ends thereof, said bottom and sides having the ends thereof received in said end frames and said ribs of said end frames received in said slots for connecting the bottom and sides to said end frames, said end walls disposed between said sides and upon said bottom and forced into said end frames in rear of said rib for securing said bottom and side walls to said end frames.

2,460,105
PHOTOPOLYMERIZATION OF VINYLIDENE COMPOUNDS WITH ORGANIC DISULFIDES
Lawrence Marion Richards, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 21, 1943, Serial No. 499,555
10 Claims. (Cl. 204—162)

1. A process for preparing polymers which comprises irradiating, with light of wave length in the range of from 2500 to 5000 Angstroms, a composition comprising a photopolymerizable vinylidene compound having one $CH_2=C<$ group and that activated by direct attachment to a different negative group, said group being selected from the class consisting of halogen, >C=O, —C≡N, —C≡C—, —O—, and aryl, and from 0.01 to 5%, based on the photopolymerizable compound, of an organic disulfide free from nitro, hydroxyl and primary amino groups on aromatic carbon, the irradiation being of sufficient intensity and employed for a time sufficient to produce substantial polymerization.

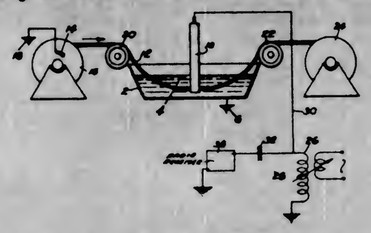
2,460,106
SPRING SUSPENSION FOR VEHICLES
Frederick T. Rowland, Grosse Pointe, Mich., assignor to Standard Steel Spring Company, Coraopolis, Pa., a corporation of Pennsylvania
Application May 4, 1944, Serial No. 534,625
3 Claims. (Cl. 267—19)



1. A spring suspension for vehicles, comprising a vehicle frame member, a linkage adjacent each end of the frame member connecting the frame member to a road wheel, two links each pivoted to the frame member adjacent one end of the frame member, two bending arms each having its outer end pivotally supported by one of the linkages and its inner end pivoted to one of said links, and a single-plate spring operatively connected adjacent its ends to said bending arms but unsupported between said bending arms.

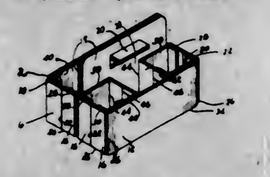
2,460,107
APPARATUS FOR TESTING INSULATED WIRE AND CABLE
Harry B. Slade, Passaic, N. J., assignor to The Okonite Company, Passaic, N. J., a corporation of New Jersey
Application December 29, 1945, Serial No. 637,890
3 Claims. (Cl. 175—183)

1. Apparatus for testing the insulation of insulated cable, said apparatus comprising in combination a container of liquid dielectric, a tubular electrode submerged in said dielectric, the inside diameter of the tubular electrode being such that it will fit snugly about the surface of the insulation of an insulated cable under test passing through the electrode, means for maintaining a potential difference between the electrode and the conductor of the cable under test, and an indicating device for detecting the presence of radio frequency currents caused by ionization discharge



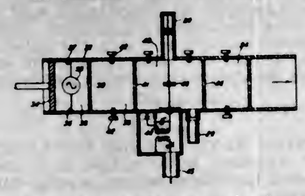
between the electrode and cable conductor as the cable is passing through the electrode.

2,460,108
COLLAPSIBLE CARRIER
Richard E. Smith, Rydall, Pa., and Paul A. Musso, Riverton, N. J., assignors to C. Schmidt & Sons, Inc., Philadelphia, Pa., a corporation of Pennsylvania, and Kieckhefer Container Company, Camden, N. J., a corporation of Delaware
Application August 21, 1946, Serial No. 694,322
1 Claim. (Cl. 229—28)



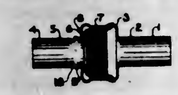
A single blank for forming a collapsible carrier, said blank being scored to form a first portion adapted to form a first side wall of the finished carrier, a second portion adapted to form a second side wall of said carrier, and a third portion intermediate of, and hinged to, said side walls and adapted to constitute a bottom wall for said carrier, said side walls being also scored along lines normal to their hinged connection with said bottom wall to form opposite marginal tabs which are movable to a first position in which they are substantially normal to the plane of said side and bottom walls and to a second position in which they lie in the plane of said side walls, end wall portions extending from opposite ends of said bottom wall and hinged thereto along scores which are continuations, respectively, of the scores hinging said marginal tabs to said side walls, said end walls being movable to a first position in which they constitute extensions of said bottom wall and lie in the plane of said bottom and side walls, and to a second position in which they are substantially normal to said side and bottom walls, means for securing said end walls to said marginal tabs, said end and bottom walls being provided with a central score which is parallel to the scores between said side walls and said bottom wall, and the portions of said bottom wall adjacent said end walls being scored along inwardly converging lines which end at their intersection with said central score, and a pair of U-shaped members each having the limbs thereof secured, respectively, to said first and second side walls, with the bight portions of said U-shaped members being disposed inwardly of the edges of said first and second side walls and being scored so as to be foldable flat against, or between said first and second side walls, the marginal portions of the limbs of each of said U-shaped members being deflected toward each other and being secured, respectively, to the adjacent portions of said end walls.

2,460,109
ELECTRICAL TRANSLATING DEVICE
George C. Southworth, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 25, 1941, Serial No. 385,054
13 Claims. (Cl. 179—171.5)



1. A non-linear translating device for alternating electric currents comprising an electret consisting of two separated conducting members, a fixed dielectric located between the members permanently prepolarized to electric saturation and a source of biasing potential connected between the conducting elements by a path of high impedance to alternating currents of the frequency of the alternating electromotive force to which the device is to be subjected.

2,460,110
COUPLING MEANS
Loid M. Stinchcomb and Raymond S. Doerr, Battle Creek, Mich., assignors to H. B. Sherman Manufacturing Company, Battle Creek, Mich., a corporation of Michigan
Application October 30, 1947, Serial No. 783,015
2 Claims. (Cl. 285—120)



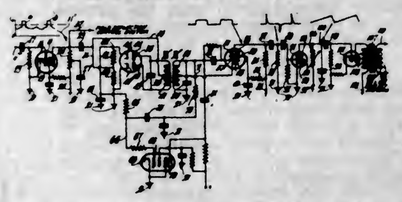
1. A new article of manufacture in the finished form of the female part of a thin metal type separable hose coupling comprising a nipple and a nut adapted to be anchored in place on the end of a hose section by expansion of the nipple after the nipple has been entered into the end of said hose section, said coupling part having a nut with an inwardly flanged end, said nipple having an outwardly flanged end, the flange of said nut engaging said nipple behind the flange thereof, outwardly extending means on said nipple close to the flange thereof but spaced sufficiently therefrom to provide for free rotation and substantial endwise movement of the flange of said nut therebetween, said means forming an abutment to limit the introduction of the nipple into the hose end and said nipple extending from said outwardly extending means to the free end thereof in substantially straight cylindrical form to facilitate reception in the end of a hose.

2,460,111
LAWN MOWER FLY KNIFE
Edward H. Worthington, East Stroudsburg, Pa.
Application January 18, 1946, Serial No. 641,925
7 Claims. (Cl. 56—294)

1. A fly knife comprising helical cutting blades and spaced apart preformed spiders, each of which is formed with a plurality of circumferential distributed blade receiving slots and with a rigidly attached portion adjacent each slot which extends alongside of the blade received in said

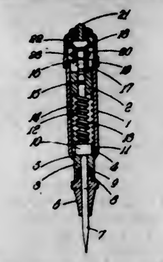
slot, said blade having a portion of one side surface abutting against one side wall of said slot and having a portion of its opposite side surface abutting against and welded to a side of said rigidly attached portion.

2,460,112
BEAM DEFLECTION CONTROL FOR CATHODE-RAY DEVICES
Antony Wright, Drexel Hill, Pa., and Edwin L. Clark, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application September 26, 1946, Serial No. 699,536
16 Claims. (Cl. 315—22)



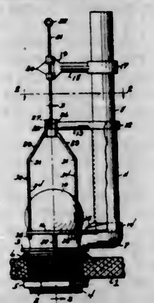
1. In electronic apparatus wherein deflection voltages are to be developed to control the deflection of a cathode ray beam in synchronism with a remote control operation, means to derive control pulse energy subject to slight frequency and phase changes in accordance with a remote operation, a substantially normally stable local oscillator means for developing sinusoidal shaped oscillations at a frequency substantially coinciding with the average repetition frequency of the derived control pulses, a detector unit including a pair of unilaterally conducting devices, means simultaneously to apply the sinusoidal oscillations and the derived control pulses additively to the two unilaterally conducting devices with either the oscillations or the pulses being applied in push-pull manner and the other in push-push manner, means operative so that for a predetermined phase relationship existing between the control pulse repetition and the sine wave oscillations a predetermined output is derived from the detector unit and with phase shifts of the control pulse between a faster and a slower frequency of recurrence relative to the normal frequency of the said sine wave oscillator greater output voltages are developed by one or the other of the unilaterally conducting devices, reactance means to control the local oscillator frequency, means to modify the effective reactance of the said reactance means to cause an increase or a decrease in the local oscillator frequency in accordance with output variances of the unilaterally conductive devices due to frequency or phase increases or decreases in the control pulses as compared to the local oscillator frequency and phase, and means to control the deflection of a cathode ray beam under the influence of the developed sine wave energy and at a frequency coinciding therewith.

2,460,113
CENTERING OR LIKE PUNCH
Sidney Geoffrey Young, London, England
Application December 6, 1946, Serial No. 714,564
In Great Britain November 26, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires November 26, 1965
2 Claims. (Cl. 164—123.5)



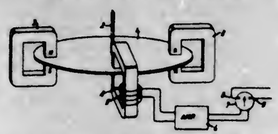
1. A centering punch comprising a tubular casing, a bushing slidably mounted in one end of such casing, a punch member mounted so as to be slidably movable within limits within such bushing, abutments to limit the slidable movement of such bushing, a striker member, slidably mounted within the casing, a compression spring within the casing in association with the said striker member, detent means for holding the striker member in a position in which its associated compression spring is stressed, and trigger means whereby the detent means may be moved to release the striking member for movement by its associated spring to impart a blow to the punch member.

2,460,114
TANK FLUSH BALL AND GUIDE SUPPORT
Warren B. Zern, Pottstown, Pa.
Application March 29, 1945, Serial No. 585,556
4 Claims. (Cl. 4—57)



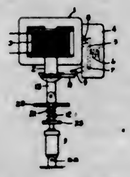
1. In a flush tank having an upstanding liquid drain outlet provided with a valve seat and a vertical overflow pipe adjacent thereto, the combination therewith of a guide arm extending transversely from and fixed to the overflow pipe, a rod adapted to be lifted being slidably supported in said guide arm, a sleeve underneath said guide arm and reciprocably mounted on the overflow pipe, a supporting means fixed to and extending transversely from said sleeve and over the drain outlet, said supporting means at the free end thereof having an end portion provided with a threaded opening, a block having an aperture receiving said supporting means end portion and being provided with a bore in alignment with said threaded opening, said rod extending through said block bore and threadedly engaging in said threaded opening whereby said rod, block and supporting means are rigidly joined together, a ring-like member attached to said sleeve below said supporting means, a wire cage depending from said block and anchored to said ring-like member, a buoyant ball valve loosely mounted in said wire cage and adapted to seat on the outlet valve seat to close the outlet, whereby lifting of the sleeve will free said ball valve for buoyant movement above the outlet valve seat and within the cage to open the discharge outlet, and whereby said ring-like member may drop back into superimposed engagement with the outlet independently of said ball valve causing the same to follow the receding water level in the flush tank.

2,460,115
ROTATION RATE CHANGE GENERATOR
Arthur P. Adamson, Ballston Spa, N. Y., assignor to General Electric Company, a corporation of New York
Application June 18, 1946, Serial No. 677,456
4 Claims. (Cl. 171—209)



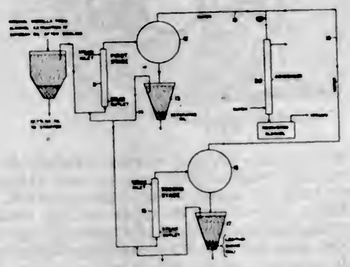
1. An accelerometer comprising a current conductor, means for producing a unidirectional flux in said conductor, means for producing relative movement between said conductor and flux producing means in accordance with the acceleration movement to be investigated such that currents are produced in the conductor in proportion to such relative movement, a magnetic circuit embracing such conductor and sufficiently removed from the flux producing means so as to be threaded only by flux caused by current in the conductor and a pickup winding on the magnetic circuit in which voltages are induced by changes in the flux threading said magnetic circuit.

2,460,116
CONTROL DEVICE
Carl E. Basley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1945, Serial No. 612,493
6 Claims. (Cl. 267—1)



1. In combination, a container, a quantity of cold flowing solid plastic material having a high degree of bounce in said container, a member mounted for movement into said plastic material whereby said material is deformed and the movement of said member is delayed by reason of the viscosity of said material, and means for applying a pressure to said material to re-form it after said member is moved out of said material.

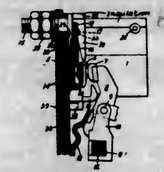
2,460,117
STILL AND DECANTER FOR THE RECOVERY OF PRODUCTS FROM ALCOHOLIC SOLUTIONS OF OLEAGINOUS MATERIALS
Arthur C. Beckel, Peoria, and Paul A. Belter, Pekin, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
Original application April 18, 1945, Serial No. 589,006. Divided and this application August 26, 1946, Serial No. 692,942.
3 Claims. (Cl. 202—176)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an apparatus for continuously concentrating a liquid extract to remove volatile solvent therefrom, and cause separation of non-volatiles, first and second circulatory systems, the first system comprising an elongated evaporator tube, a vapor disengaging chamber of greater cross-section than the evaporator tube, a liquids separator, conduit means for feeding a liquid extract into the evaporator tube adjacent an inlet end thereof, means for withdrawing liquid and vapor from adjacent the opposite outlet end of the evaporator tube and for introducing the liquid and vapor into the vapor disengaging chamber, conduit means for withdrawing vapor from the upper part of the vapor disengaging chamber, conduit means connected between the disengaging chamber and the liquids separator for withdrawing liquid from the disengaging chamber and for introducing it into the liquids separator, conduit means for withdrawing liquid extract from the separator and returning it to the inlet end of the evaporator tube; the second system also comprising an elongated evaporator tube, vapor disengaging chamber of greater cross-section than the latter tube, and a liquids separator, connected to each other as recited for the first system; and a conduit connected between the first system and the second system for removing liquid extract separated in the liquids separator of the first system and for introducing the liquid extract into the inlet end of the evaporator tube of the second system.

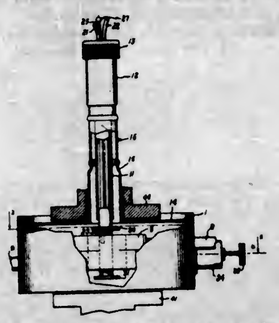
2,460,118
CIRCUIT INTERRUPTER
Robert M. Bennett, Birmingham Township, Chester County, Pa., assignor to General Electric Company, a corporation of New York
Application July 21, 1945, Serial No. 606,374
3 Claims. (Cl. 200—147)

1. In an electric switch, an arc chute open at the top, front and bottom edges thereof comprising two oppositely spaced rectangular plates of electrically insulating material having an insulating barrier therebetween for closing substantially the upper half of the gap between the plates at the rear edge thereof, approximately the lower half of said plates being of uniform thickness and approximately the upper half of said plates increasing substantially uniformly in thickness at their adjacent faces to provide a converging arc discharging channel at the top thereof, a U-shaped magnetic member of uniform thickness having relatively wide upwardly offset perforated flange portions contiguous to the outer faces of said plates and a relatively narrow web portion of substantially the same magnetic cross section as each perforate flange across approximately the lower half of the gap between the plates at the rear edge thereof and provided with a non-magnetic mounting member inter-



connecting said flanges behind said barrier, a stud terminal head engaging said plates behind said barrier for clamping said non-magnetic member in mounting position, a contact, means resiliently mounting said contact between said plates in front of and adjacent the web portion of said U-shaped member, an electric current conductor looped around said web portion from the rear to the front thereof and connected between said relatively stationary contact and said terminal head, and a cooperating contact mounted for movement between said plates near the lower edge thereof to engage said relatively stationary contact and separable therefrom to interrupt a circuit within the chute.

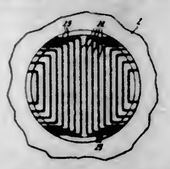
2,460,119
MAGNETRON
John P. Blewett and Robert V. Langmuir, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application September 23, 1944, Serial No. 555,496
1 Claim. (Cl. 250—27.5)



A magnetron discharge device including a cylindrical cathode structure and an annular anode structure coaxially surrounding the cathode structure and comprising spaced anodes defining interaction gaps on diametrically opposite sides of said cathode structure, said cathode structure comprising a cylindrical body having a cylindrical surface of material which is a good secondary emitter, said body having an axially extending recess directed inwardly from the sur-

face thereof and a thermionic cathode supported in said recess so that said thermionic cathode is shielded from electrons returning to said body from the space charge between said anode and said cathode structures, said recess being located in advance of one of said gaps as measured by the direction of rotation of electrons in the space between said anode and cathode structures by an angular distance less than half the angular distance between said gap.

2,460,120
ELECTRODE STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
Ralph J. Bondley, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 9, 1944, Serial No. 567,367
8 Claims. (Cl. 250—27.5)



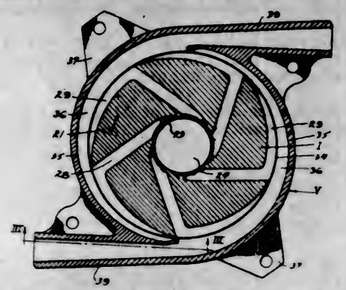
1. An electrode structure for an electric discharge device comprising a supporting member having an aperture therethrough, a plurality of conductors secured to said supporting member at their ends and overlying the aperture, each of said conductors having an intermediate U-shaped portion including an elongated linear central part and arms extending from the ends of said linear part at an angle thereto, said U-shaped portions being of varying sizes and said conductors being attached to said support with the conductors in a plurality of nested groups with the linear parts substantially parallel and the U-shaped portions of all said conductors substantially coplanar.

2,460,121
WATER-HAMMER ARRESTER
Aloysius J. Briehmaier, Milwaukee, Wis., assignor to Water Hammer Arrester Corp., Milwaukee, Wis., a corporation of Wisconsin
Application July 10, 1944, Serial No. 544,322
14 Claims. (Cl. 138—30)

1. A fluid-hammer arrester having a casing including an inlet portion for connecting the arrester to a fluid conduit for flow of fluid thereinto, the remainder of said casing being imperforate, said casing being adapted to receive an expansible and compressible bellows therewithin for absorbing fluid-hammer pressure, and means within said casing to maintain one end of said bellows longitudinally immovable when fluid-hammer pressure is applied to said bellows.

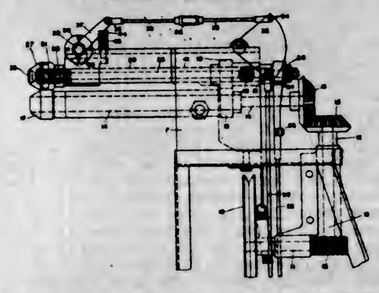
2,460,122
PUMP
Arthur W. Burks, Decatur, Ill.
Application November 22, 1944, Serial No. 564,006
5 Claims. (Cl. 103—103)

1. In a centrifugal pump, an impeller in the form of a disk having an axially located inlet chamber, centrifugal flow passageways of substantially constant cross section in said disk extending in straight lines therethrough from said inlet chamber to the disk periphery, and discharge channels in the periphery of said disk extending from the outer ends of said passage-



ways in the wake thereof during rotation of the impeller, the cross section area of said channels at their ends adjacent to said passageways being slightly less than the cross section area of the passageways and being of gradually decreasing cross area toward their trailing ends.

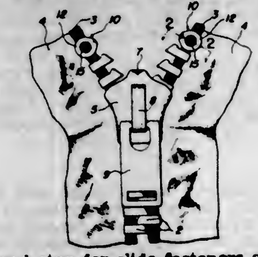
2,460,123
PEENING MACHINE
William J. Cahill, Merion, Pa., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware
Application June 21, 1944, Serial No. 541,359
3 Claims. (Cl. 113—58)



1. In apparatus for forming a peened joint, the combination of a base roll assembly including a rotatable roll, a continuous drive for driving said roll, a cooperative roll assembly including a first roll and a second roll coaxially arranged with respect to the first roll, the cooperative assembly being pivotally mounted in the frame of the apparatus, said second roll being movable in an axial direction toward and from the first roll, means yieldably urging the second roll from the first roll, means for moving the second roll toward the first roll, means for connecting the cooperative roll assembly to the drive, and means for moving the cooperative roll assembly toward and from the base roll assembly including a rod, a rocker element connected to the rod, the rocker element being pivotally mounted on the frame of the device, a lever, a shaft, said lever being mounted on said shaft, a link connecting the lever to the rocker element, a cam mounted on said shaft, an element secured to the cooperative roll assembly adapted to coact with said cam, rotation of said cam

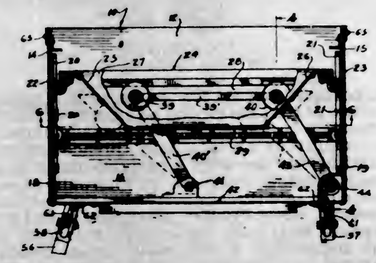
moving the cooperative roll assembly toward the base roll assembly, and yieldable means resisting the movement of the cooperative roll assembly toward the base roll assembly.

2,460,124
END STOP FOR SLIDE FASTENERS
Alfred E. Carille, Great Neck, N. Y., assignor to Talon, Inc., a corporation of Pennsylvania
Application December 18, 1944, Serial No. 568,656
4 Claims. (Cl. 24—205.11)



1. An end stop for slide fasteners of the class described comprising a body member having a pair of spaced apart oppositely disposed portions for engagement with the edge portion of the stringer tape on which it is adapted to be mounted, each of said portions having an aperture arranged therein into which the edge portion of the stringer tape is adapted to expand so as to aid in preventing displacement of the stop from the stringer tapes.

2,460,125
FOLDING CHARCOAL COOKING GRILL
Frank Lawrence Carroll, North Hollywood, Calif.
Application October 23, 1945, Serial No. 624,040
8 Claims. (Cl. 126—9)



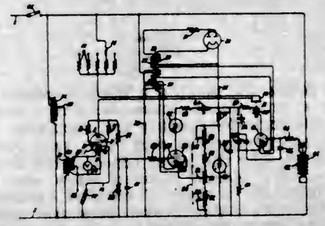
1. A cooking grill comprising a box-like base having fixed vertical walls, an upper wall member hingedly connected to the upper end of each of said fixed walls and thereby adapted to be swung to vertical position or inwardly relative to said lower fixed walls, a fire box frame within, and slidingly engaging opposite pairs of said lower and upper walls, rails fixed to the lower side of said frame, adjustable means, including rollers adapted to engage said rails, whereby said frame may be vertically adjusted while in horizontal position, said frame in its lowest adjusted position resting wholly within said lower fixed walls and freeing said upper walls for inward swinging movement to cover said frame, and means for temporarily securing said upper walls in said inward positions.

7. A cooking grill comprising a casing, a fire box vertically movable in horizontal position within said casing, said fire box comprising a frame having an opening therein, inwardly converging walls hinged to said frame adjacent said frame opening, springs mounted on said frame and walls to urge said walls inwardly, a grate hingedly mounted on the free end of one of said walls and having locking means engageable with counterpart locking means adjacent the free end of another of said walls to hold said walls in open position, in which position they assume substantially the form of an inverted frustum of a pyramid, said walls, upon release of said locking means, being urged to closed position in which the several parts lie substantially flat and parallel to said frame.

2,460,126
INSULATING AND DIELECTRIC COMPOSITIONS
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 23, 1945, Serial No. 624,087
3 Claims. (Cl. 252—66)

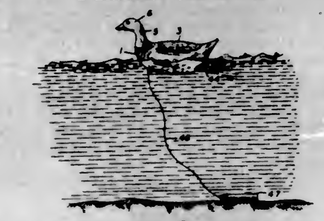
2. A composition consisting of liquid chlorinated aryl hydrocarbon, which is susceptible to decomposition by an electric arc and has a viscosity not materially greater than about 58 seconds Saybolt at 100° F., and one-fourth to one per cent of tin naphthenate dissolved in said hydrocarbon, said tin naphthenate not substantially increasing the viscosity of said composition.

2,460,127
ELECTRIC CONTROL CIRCUITS
Edward M. Gardiner, Schenectady, and Orrin W. Livingston, Scotia, N. Y., assignors to General Electric Company, a corporation of New York
Application July 2, 1946, Serial No. 680,962
3 Claims. (Cl. 315—246)



1. In combination, an alternating current supply circuit, a unilaterally conducting device, an electromagnetic switching device having a contact connecting said device to said alternating current circuit for energization therefrom, electric valve timing means including peaked voltage producing means for initiating operation of said timing means, means impressing a voltage derived from said alternating current circuit on said timing means to effect operation of said switching device during half cycles of voltage of said supply circuit during which said device is nonconductive as a result of its unilaterally conductive characteristic, a capacitor, and a circuit completed by operation of said peaked voltage producing means for effecting operation of said switching device to open position a predetermined time after circuit closing operation thereof.

2,460,128
ANIMATED DECOY DUCK
Carroll V. Greenleaf, Edmonds, Wash., assignor of one-half to James I. Greenleaf, Edmonds, Wash.
Application April 8, 1947, Serial No. 740,008
4 Claims. (Cl. 43—3)



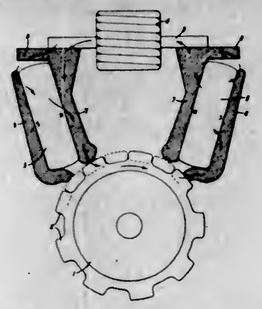
1. In a decoy duck, a hollow buoyant body, a neck extending into said body and pivoted therein to swing forwardly and rearwardly, a rotary propeller shaft extending into said body and having a propeller fast thereon, and mechanism in said body for rotating said shaft by swinging of said neck.

2,460,129
APPARATUS FOR MANUFACTURE OF FIBROUS ARTICLES
Paul E. Ista, Paris, France, assignor to General Electric Company, a corporation of New York
Application August 10, 1946, Serial No. 689,803
In France April 10, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires May 28, 1965
2 Claims. (Cl. 92—54)

1. A device for making a fibrous article comprising a foraminous form, chambers situated above said form for holding and supplying fibers to different portions of said form, said portions being defined by the lower edges of the walls of said chamber, means situated below said form for maintaining a zone of reduced pressure at the lower side thereof and pressure sensitive means for separating said form and said edges, said separating means comprising a pressure-responsive resilient spring mount for said form which is reactive to changes in pressure below said form.

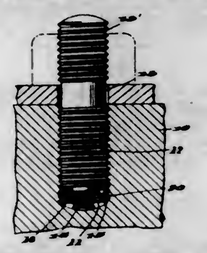
2,460,130
MAGNETO
Ingolf B. Johnson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 9, 1945, Serial No. 598,509
10 Claims. (Cl. 171—209)

1. A magneto including a rotatable inductor member having a plurality of circumferentially spaced apart teeth, a coil member, a core member threading said coil member, a plurality of permanent magnets, each of said permanent magnets, having pole piece core members of magnetic material connected to each pole face thereof with portions extending toward said rotatable member teeth, said permanent magnet being con-



nected to said coil core through said pole piece core members, and a keeper portion on said pole piece core members partially closing the air gap between pole faces of opposite polarity of each of said permanent magnets.

2,460,131
NUT OR BOLT LOCK
John F. Kendrick, Elizabeth, N. J.
Application January 19, 1944, Serial No. 518,813
7 Claims. (Cl. 151—32)



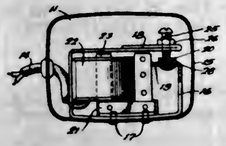
1. Locking means for cooperating threaded members of the type having an externally threaded member positioned in an internally threaded hole, comprising an externally threaded member formed at one end with a reduced-diameter externally threaded extension, an internally threaded member, said threads possessing the customary clearances, crests, grooves, minor, major and pitch diameters and helix angles and a locking element comprising a thin unthreaded, coaxially apertured resilient plate, the aperture of which defines a thread-engaging edge possessing an uninterrupted, continuous and circular form, said plate being proportioned to impart axial resilience to said thread-engaging edge, the thickness of the thread-engaging edge being such as will permit it to enter the thread-groove of the reduced-diameter externally threaded member and being such as will permit the thread-engaging edge to be tilted axially by the helix angle of the reduced-diameter externally threaded member, the diameter of the aperture being such as will permit the thread-engaging edge to cross the crest of the reduced-diameter external thread and reenter the external thread-groove, when the thread-engaging edge is deflected radially by the crest of the reduced-diameter external thread, thereby closing the clearance on one side of said

cooperating threads, the outer portions of said plate being so formed to be threadedly engaged with the internally threaded member to position said aperture in longitudinal registration with and at right angles to the axis of said internally threaded member, the tilted thread-engaging edge applying an axial force to the internal threads and the reduced-diameter external threads, restraining relative rotation.

2,460,132
ELECTRICAL DISCHARGE DEVICE
Henry de Boyne Knight, Rugby, England, assignor to General Electric Company, a corporation of New York
Application September 25, 1946, Serial No. 699,205
In Great Britain November 10, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1963
14 Claims. (Cl. 250—27.5)

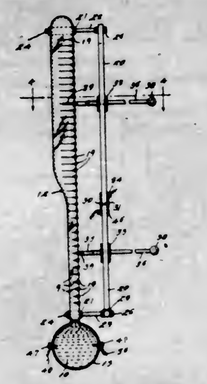
1. An electric discharge device comprising a plurality of electrodes, an hermetically sealed envelope for said electrodes including a portion defining a part of a closed discharge chamber and having an opening therein, a closure member hermetically sealed to said portion and covering said openir.., and a shoulder adjacent the juncture of said portion and said closure member, one of said electrodes having a portion secured between said portion of said envelope and said closure member in engagement with said shoulder whereby said electrode is supported from and positioned within said envelope.

2,460,133
ALARM DEVICE
William E. La Pedus, Rockford, Ill.
Application February 6, 1946, Serial No. 645,839
3 Claims. (Cl. 161—22)



1. In an alarm device, a pressure-resisting casing providing a hollow interior and a smooth exterior, a spring member secured to said casing and extending from the inner wall thereof to a point approaching the opposite wall of said casing, a vibrating arm on said spring member, a coil magnet for subjecting said arm to magnetic impulses, means for supplying alternating current to said coil, timing mechanism controlling said last mentioned means to energize said coil after a predetermined time, and a resilient body spaced from and engaging said vibrating arm to limit the stroke thereof and to dampen the sound thereof.

2,460,134
THERMOMETRIC ALARM SWITCH
Jonathan O. Lee, Richmond, Va.
Application September 6, 1945, Serial No. 614,766
1 Claim. (Cl. 200—141)



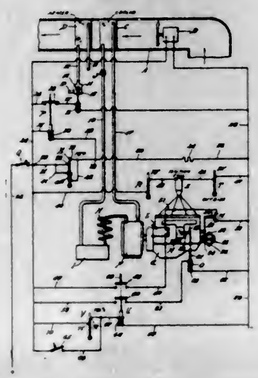
In a device of the class described, an expansible liquid thermo-meter including a bulb having a tube communicating therewith and rising therefrom, a series of longitudinally spaced terminal pins projecting through the wall of the tube of the thermo-meter above the bulb thereof and having contact heads exterior to the tube, a guide of electrical conducting material extending parallel to the tube, a movable electric contact slidably disposed on the guide and having a portion for selective engagement with the heads of the terminal pins, an arcuate guide element carried by the movable contact having portions disposed for engagement with the tube on either side of the heads of the terminal pins for maintaining said movable contact portion in position to engage the terminal pin head disposed on the same plane as the movable contact, and a conductor pin extending through the wall of the bulb and in constant contact with the expansible liquid for completing an electric connection therefrom to the first mentioned guide through the liquid and the terminal pin engaged by the liquid and movable contact.

2,460,135
ELECTRIC CONTROL FOR BUS HEATING AND COOLING SYSTEMS
Timothy J. Lehane and Everett H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application September 23, 1946, Serial No. 698,770
6 Claims. (Cl. 257—3)

5. In combination with means including a conduit and a fan for withdrawing air from an enclosed space and thereafter re-introducing the air into the space, a radiator in the conduit for heating the air and a cooling apparatus including a cooler in said conduit for cooling said air, an internal combustion engine provided with an electrical ignition circuit, an electrically energized starter and a throttle valve normally supported in partially opened position to maintain slow speed operation of the engine; of means for cooperatively controlling the heating and cooling apparatuses comprises an electrically energized valve for delivering heating medium to the radi-

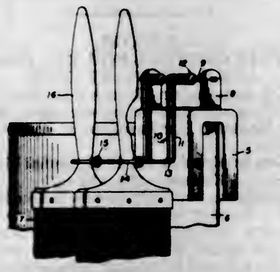
ward position.

ator; means including a thermostat responsive to temperature changes within enclosed space and set to function at a pre-determined temperature to close said valve; a second thermostat responsive to temperature changes within the enclosed space and set to function at a lower temperature than the first thermostat to make said ignition circuit effective; electrically energized throttle opening means for moving said



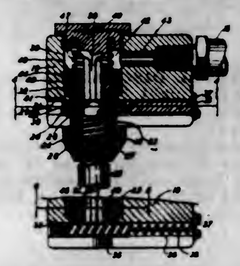
throttle to its full open position; and an electrically energized relay for simultaneously closing an energizing circuit through said starter and through said throttle opening means; manually operable means for momentarily energizing said relay to start said engine with fully open throttle and thereafter permit the engine to return to its low speed operation, whereby the heating apparatus is effective to re-heat the air during the low stage cooling of the cooling apparatus.

2,460,126
BRUSH HOLDER
John Leonard, West New York, and Willibald Trenkamp, Hoboken, N. J.
Application April 25, 1947, Serial No. 743,990
3 Claims. (Cl. 248—112)



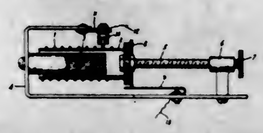
1. In a device of the class described, a body detachably mounted on the vertical edge of a receptacle, a horizontally positioned shaft carried by the body, a pair of substantially inverted L-shaped arms pivoted at one end to the shaft, and a pair of gripping jaws integrally formed at the lower ends of said arms for receiving a brush handle.

2,460,127
HYDRAULIC COUPLING
Jesse G. Lindeman, Yakima, Wash., assignor, by mesne assignments, to John Deere-Lindeman Company, Yakima, Wash., a corporation of Washington
Application October 30, 1945, Serial No. 625,643
3 Claims. (Cl. 284—17)



1. A fluid line coupling, comprising: first and second coupling elements, each including a fluid passage, constructed and arranged for separable interconnection with the fluid passages positioned for communication with each other; means providing a guideway in the first element generally normal to and intersecting the fluid passage therein; means on the second element cooperable with a portion of said guideway to provide for the interconnection of the elements; a valve movably carried in the guideway and operable between open and closed positions as respects the fluid passage in said first element and normally occupying an open position in another portion of the guideway, being retained in that position by the aforesaid means on the second element; means biasing the valve toward closed position; and detent means carried by the first element and releasably retaining the second element against separation and operable after separation of the elements to engage the valve, upon movement of the latter to closed position, for retaining said valve in closed position.

2,460,138
VARIABLE INDUCTANCE DEVICE
Lambert H. Lynn, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application June 27, 1945, Serial No. 601,887
7 Claims. (Cl. 177—777)

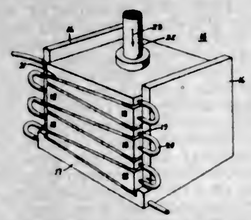


1. A variable inductance device comprising a substantially helical coil and a comminuted iron core member mounted for relative axial movement, a variable contact element mechanically mounted in fixed position relative to said core for concurrent movement relative to said coil, said element electrically engaging said coil at a point adjacent one end of said core member, and means including electrical connections to said coil through said contact member to provide an active portion of said coil of selectable inductance disposed on the same side of said point as said core member.

2,460,139
ALKAMINE ESTERS OF 2-CHLORO-4-AMINO BENZOIC ACID
Henry C. Marks, Glen Ridge, N. J., and Martin I. Rubin, New York, N. Y., assignors to Wallace & Tiernan Products, Inc., a corporation of New Jersey
No Drawing. Application July 21, 1945, Serial No. 606,476
5 Claims. (Cl. 260—472)

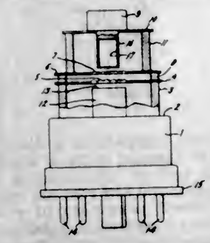
1. The 2-chloro-4-aminobenzoic acid esters of the N-alkyl substituted alkyl amino alcohols having less than six carbon atoms and their addition salts.

2,460,140
METHOD OF PASTING MICA
Kenneth N. Mathes, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1947, Serial No. 766,626
8 Claims. (Cl. 154—2.6)



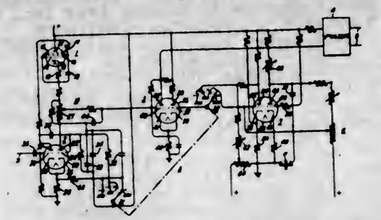
1. In the manufacture of pasted mica articles the process of adjusting the mica flakes therein which comprises cementing the flakes together with a resinous binder and curing under heat and pressure said pressure being so applied that the general plane of said mica flakes is at an angle to a component of the pressure-producing lines of force.

2,460,141
ELECTRIC DISCHARGE DEVICE
Elmer D. McArthur, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 4, 1946, Serial No. 674,195
1 Claim. (Cl. 250—176)



An electrical discharge device including a cathode, a control grid, a screen grid and an anode mounted in spaced relation in the order enumerated, said anode comprising an elongated body recessed from the end thereof facing the screen grid, conductive means extending over the open end of said recess and conductively connected to said anode to sub-divide it so that the recess is substantially deeper than the minimum cross sectional dimension of the sub-divisions to provide a substantially field-free region for the collection of electrons whereby the emission of secondary electrons is minimized.

2,460,142
ELECTRONIC CALIBRATING MEANS FOR INDICATING INSTRUMENTS IN PULSE ECHO SYSTEMS
Philip C. Michel, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 30, 1945, Serial No. 576,567
7 Claims. (Cl. 250—27)



7. The combination, in a system for producing pulses simulating echoes from a remote moving object of recurrent pulses transmitted thereto, means to produce a unidirectional voltage, means to control the duration of the interval between each recurrent pulse and the next echo simulating pulse in accord with said voltage, said last means comprising a pair of electron discharge devices and a source of operating potential, each discharge device having an anode, a control electrode, and a cathode, said cathodes being connected to the negative terminal of said source and said anodes being connected through respective resistors to the positive terminal of said source, a condenser connected between the control electrode and anode of one of said devices, a switch connected between said last control electrode and a point of fixed potential, and a potentiometer connected between the anode of said one device and a point of fixed potential equal to the potential of said last anode when said switch is closed whereby when said switch is opened the potential across said potentiometer increases at a rate corresponding to the rate of change in charge in said condenser, means to supply potential from said potentiometer to said control electrode of said other devices, and means to derive said voltage either from said potentiometer or from the anode of said other device, whereby the time intervals between said recurrent pulses and said echo simulating pulses increase or decrease when said switch is open from a duration independent of the adjustment of said potentiometer and at a rate determined by said condenser and the adjustment of said potentiometer, and means to adjust the potentials derived by said last means when said switch is initially opened to equal values and to equalize the rates of change of said derived potentials.

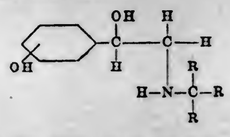
2,460,143
PRODUCTION OF KETOAMINES
Maurice L. Moore and John R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 8, 1945, Serial No. 609,722
2 Claims. (Cl. 260—570.5)

1. The method for the preparation of meta-hydroxy - omega - methylaminoacetophenone

which includes: continuously and separately introducing meta-benzoyloxy-omega-bromo-acetophenone and methylamine into a reaction zone containing a liquid inert to the reaction mixture and maintained at a temperature below about 65 degrees centigrade, removing the ketoamine from the said reaction zone in a portion of the reaction medium and neutralizing the ketoamine-containing product substantially as rapidly as it is formed.

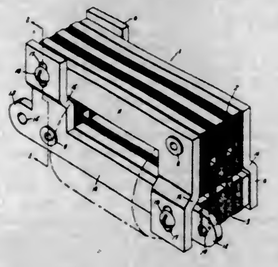
2,460,144
HYDROXYPHENYL ALKANOLAMINES
Maurice L. Moore and John R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 11, 1946, Serial No. 661,243
4 Claims. (Cl. 260—570.6)

1. A compound selected from the group consisting of (*a*) (hydroxyphenyl) alkanolamines having the general formula



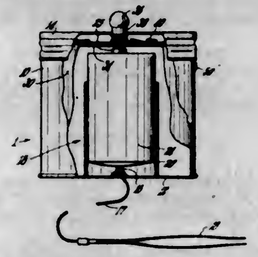
wherein R represents hydrogen or a lower-alkyl radical; and wherein at least two R groups are a lower-alkyl radical, and (*b*) salts thereof.

2,460,145
VARIABLE RELUCTANCE CORE
Richard A. Pfuntner, Saugus, and Franklin R. D'Entremont, Lynnfield, Mass., assignors to General Electric Company, a corporation of New York
Application January 23, 1948, Serial No. 4,026
1 Claim. (Cl. 171—777)



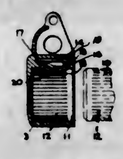
An adjustable reluctance core for induction apparatus comprising, in combination, two laminated parts having interfitting multiple tongue and groove joints, nonmagnetic wrappers around alternate groups of laminations in each part for providing nonmagnetic gaps between the sides of the interfitting tongues and grooves in said joints, hollow clamping members extending through each core part for firmly holding its wrapped laminations together, and adjustable means for controlling the degree of closure of said joints, said adjustable means including additional clamping members extending through said hollow clamping members.

2,460,146
ELECTRICAL JACKSTRAWS GAME APPARATUS
James M. Prentice, South Hadley, Mass.
Application November 12, 1947, Serial No. 785,486
3 Claims. (Cl. 273—1)



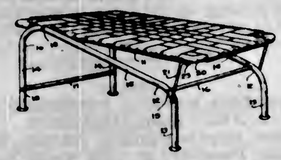
1. A jackstraw game comprising in combination, a support for a plurality of jackstraws, a closure over and spaced from said support having openings therethrough for the passage of jackstraws onto and from said support, a plurality of jackstraws some of which are made from conductive material and being adapted to be inserted through and withdrawn from said support, said closure being made from conductive material, an electrically operated signal, a source of electrical energy, electrical connections between said closure, signal, source of energy providing a normally open electric circuit and having a flexible conductor provided with a manually manipulatable tweezer on a free end thereof formed from conductive material, all adapted whereby said tweezer may be inserted through an opening of said closure to engage one of said jackstraws and arranged so that if said tweezer or one of said conductive jackstraws engaged thereby contacts said closure a circuit is closed and said signal is energized.

2,460,147
WINDSHIELD CLEANER
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application March 23, 1945, Serial No. 584,267
6 Claims. (Cl. 287—53)



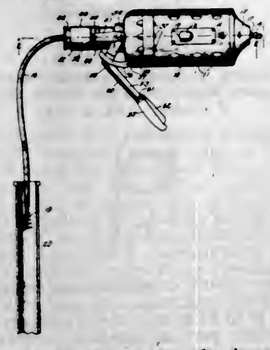
1. A wiper arm comprising a die-cast section having one face formed with a shaft-receiving socket the side wall of which latter being provided with a multiplicity of ribs for interlockingly receiving the ribbed periphery of a shaft part, said section also formed with a narrow chamber opening into the socket through its side wall and between spaced ribs, the chamber opening as a radial continuation of the socket through such face, the bottom of the chamber having a latch anchoring recess, and a latch in the chamber having a mounting shank engaged in the recess and an active part yieldably extending into the socket to engage a shaft, the mounting shank extending from the recess into lateral supporting contact with the side wall of the chamber above the recess.

2,460,148
COMBINATION TABLE AND FOOTREST
Andrew Roth, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 23, 1946, Serial No. 656,687
2 Claims. (Cl. 311—38)



1. A combination table and foot-rest unit comprising a pair of laterally spaced side frame members of inverted U-shape, each having vertically extending supporting legs connected at their upper ends by a longitudinally extending element, the frontal legs of said frame members being of substantially greater height than the rear legs thereof whereby said longitudinally extending elements are rearwardly and downwardly inclined with respect to the horizontal, transversely extending elements interconnecting said frame members to constitute the same a rigid, self-sustaining support for a top member, a top member hingedly mounted between the raised ends of said longitudinally extending elements and adapted to be swung from a raised horizontally disposed position into an inclined position substantially coincident with the common transverse plane of said longitudinally extending elements, means pivotally secured to the rear legs of the unit and adapted to be swung into position to support said top member in horizontally disposed position to serve as a table top for the unit.

2,460,149
FLEXIBLE ROD DRIVER
Lothar W. Schoensiegel, Chicago, Ill.
Application July 26, 1946, Serial No. 686,583
5 Claims. (Cl. 74—421)

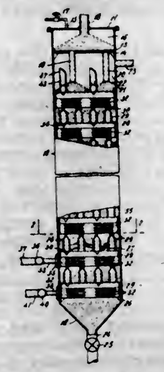


1. In rod driving apparatus having rotatable rod guiding means and drive means for rotating said rod guiding means, lever operated apparatus of the character described for selectively gripping and releasing the rod to be driven, such lever operated apparatus including gripping means rotatable with said rod guiding means an operating device comprising a pivotally mounted member, and coupling means including at least one link eccentrically pivoted on said operating device and connecting said operating device with said gripping apparatus.

2,460,150
APPARATUS FOR THE COOLING OF HEATED OBJECTS
Arthur Schupp, New York, N. Y.
Application November 17, 1944, Serial No. 563,934
8 Claims. (Cl. 62—102)

1. An apparatus for the cooling of heated objects, having a tunnel and means moving said objects from the entrance end to the discharge end of said tunnel, comprising a housing communicating with the interior of the tunnel, at a point substantially centrally located along the length of the tunnel, vertically superposed refrigerating fin devices arranged along opposite sides of the housing, vertically superposed refrigerating blowers, one for each device, and a plurality of ducts extending from the sides of said housing and communicating at their discharge ends with the interior of the tunnel at spaced points thereof, at both sides of said housing, said ducts having their entrance ends in communication with the interior of said housing for receiving the air from the devices and blowers.

2,460,151
APPARATUS FOR GAS-SOLID CONTACT OPERATIONS
Edward L. Sinclair, Haverford Township, Delaware County, Pa., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 9, 1944, Serial No. 539,474
10 Claims. (Cl. 23—288)



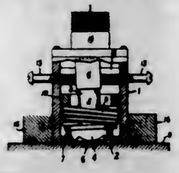
7. An apparatus for conducting catalytic hydrocarbon conversions comprising a substantially vertical closed vessel, a partition across said vessel within the upper section thereof defining a seal chamber within the upper end of said vessel, means to introduce an inert seal gas into said seal chamber, means to introduce a particle form solid contact material into said seal chamber, uniformly spaced feed conduits depending from said partition and terminating a vertical interval therebelow, thereby providing passages for said solid material to the reaction zone of said vessel and providing a gas space within said vessel below said partition and above the lower end of said conduits, outlet means for solid flow from the lower end of said vessel, flow throttling means

associated with said outlet to permit control of solid withdrawal so as to provide a substantially compact column of particle form solid material within said vessel, a plurality of superimposed, criss-crossed rows of horizontally extending, inverted trough members within said vessel extending through a major portion thereof below said solid material feed conduits, the through members in any given row being parallel and spaced apart so as to provide a passageway of substantial width for flow of said solid material therebetween, and alternate trough members having openings at horizontal intervals along their tops, the openings being so spaced and the trough members so arranged that said openings in the tops of trough members of any row are covered by trough members having closed tops in the row immediately above, inlets for introduction of purge gas under trough members having closed tops in the lowermost row, inlets for introduction of hydrocarbons under trough members having closed tops in a row above said lowermost row, ducts covering the openings in the tops of trough members having such openings in the uppermost row, said ducts extending vertically upward and terminating in said gas space, gas outlet means from said vessel near the upper end of said gas space.

2,460,152
DRIVING MEANS FOR SPINNING, TWISTING, AND LIKE SPINDLES
Jose Serra y Sió, Barcelona, Spain
Application January 23, 1947, Serial No. 723,830
In Spain March 16, 1944
5 Claims. (Cl. 57—104)

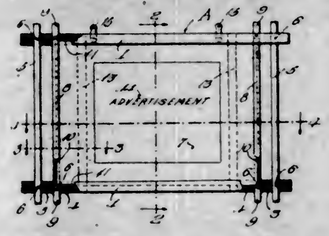
1. A device for actuating the spindles of continuous spinning, twisting and like machines comprising a pulley rotatably mounted with its axis extending vertically, said pulley being formed with a pair of peripheral grooves, means for driving said pulley, a plurality of vertically positioned spindles and an endless band extending horizontally around part of one of said pulley grooves to and around an opposite side of two of said spindles, then to and around the other of said pulley grooves, then to and around an opposite side of a second pair of spindles and back to said first mentioned pulley groove.

2,460,153
PIEZOELECTRIC CRYSTAL HOLDER
Roman Smoluchowski, Pittsburgh, Pa., assignor to General Electric Company, a corporation of New York
Application July 30, 1946, Serial No. 687,201
10 Claims. (Cl. 171—327)



1. A piezoelectric crystal holder comprising a member possessing a surface adapted for mounting a crystal thereon and adapted to face a test piece, a base member, resilient means supported by said base member urging said member towards the surface of a test piece upon which said base member is adapted to be placed, means for adjustably fixing the angle between said crystal mounting surface and an axis of said base member, and a stop to limit the movement of said member in the direction urged by said resilient means.

2,460,154
SIGN HOLDER HAVING RECESSED ROTATABLE SIDE MEMBERS
John Heyward Stokes, Atlanta, Ga.
Application December 19, 1944, Serial No. 568,829
3 Claims. (Cl. 40—125)



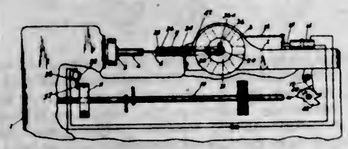
1. A magazine poster display device comprising a retaining frame defining an opening, said frame being formed within said opening with a seat adapted to receive a plurality of posters, and locking elements at opposite edges of the magazine and within the frame for engaging the opposite free edges of the outermost poster within the magazine, said locking elements being channeled to provide a poster engaging surface and partially rotatable to position said surface into locking and unlocking engagement with the exposed surface of the outermost poster whereby to lock said posters in said seat and to permit their removal therefrom.

2,460,155
FINGER GUARD
Joseph Talarico, Spokane, Wash.
Application March 26, 1945, Serial No. 584,829
1 Claim. (Cl. 2—21)

A finger guard comprising an annular body open at front and rear ends and of a diameter adapting it to fit snugly about a finger and having its outer portion extended rearwardly and forming a rear extension, the extension being of a length adapting it to overlie the first joint of a finger and having its rear end portion bent to form an outwardly curved lip, and a tongue formed integral with the said outer portion of the body and extending forwardly therefrom and being tapered forwardly and having a blunt front end formed with an arcuate front edge merging into side edges of the tongue, said tongue being of a length adapting it to project forwardly beyond a finger about which the body fits and having its forward portion curved downwardly

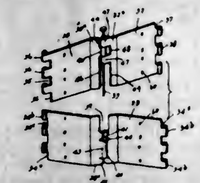
and forming a blunt bill disposed in position for extending across the front end of the finger in forwardly spaced relation thereto and shielding the front end of the finger and the nail thereof.

2,460,156
AUTOMATIC DRILLING MACHINE
Robert E. Vanderhide, Kelly Field, Tex.
Application April 4, 1945, Serial No. 586,475
16 Claims. (Cl. 77—32)



1. In a drilling machine, in combination, a drill holder, a drill carried thereby, a support in which the drill holder is movably mounted, a work holder for supporting work engageable by said drill, a feeding device for advancing the drill into the work, means for periodically moving the holder relatively to its support for pulling the drill out of the work during the feeding movement of the drill to the work, the said pulling out means comprising a releasable latch member to limit the movement of the holder on its support while the drill is being advanced into the work.

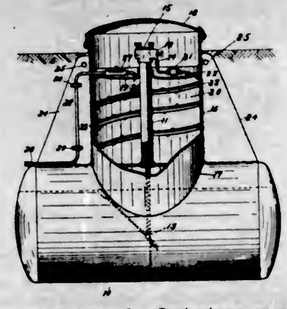
2,460,157
CURVED FOLDABLE CLOSURE
Ernest B. Watkins, Anderson, Ind., assignor, by mesne assignments, to New Castle Products, Inc., New Castle, Ind., a corporation
Application July 19, 1946, Serial No. 684,891
3 Claims. (Cl. 160—84)



1. An extensible and collapsible closure structure movable arcuately comprising in combination two sequentially connected series of hinge plate elements, the two series crossing each other at regular intervals, one series including half length elements at the ends and a plurality of full length elements therebetween and the other series comprising substantially all half length elements, the series where crossing having common pivotal connection.

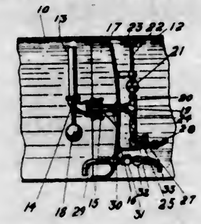
2,460,158
TWO-STAGE LIQUEFIED PETROLEUM GAS DISPENSING SYSTEM
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, San Antonio, Tex., a corporation of Texas
Application March 13, 1945, Serial No. 582,450
7 Claims. (Cl. 62—1)

1. A liquefied petroleum gas system of the liquid eduction type, comprising in combination, an underground pressure storage container adapted to be charged with a mixture of butane and propane; a standpipe connected to the container and carrying filling and liquid dispensing means; a protecting casing for the standpipe connected to the container; a first stage pressure reducer connected to receive the educted liquid; a gas-tight vaporizing compartment formed by the lower portion of said casing with the container constituting the bottom wall there-



of and connected to the first stage pressure reducer to vaporize residual liquid discharged therefrom by heat exchange with the container; and a second stage pressure reducer connected to said vaporizing chamber and arranged to deliver the vapor at service pressure for use in gas consuming appliances.

2,460,159
VAPOR OUTLET FOR TRUCK TANKS
Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, San Antonio, Tex., a corporation of Texas
Application April 19, 1945, Serial No. 589,256
4 Claims. (Cl. 62—1)



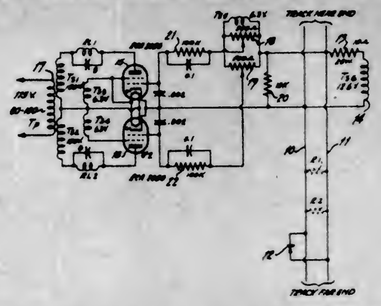
1. In a service truck tank for transporting liquefied petroleum gas, a vapor relief outlet connected to one end of the tank including a shiftable conduit section within the tank communicating with the vapor space therein and a fixed conduit portion outside the tank carrying a pressure relief valve; and means connected to said shiftable conduit section positioned to shift it automatically as the liquid level is shifted when the truck falls on one side or turns over, and thereby maintain communication with the shifted vapor space.

2,460,160
HIGH-LOW IMPEDANCE ELECTRON TUBE DETECTOR
Hubert H. Wittenberg, Lancaster, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1945, Serial No. 631,723
6 Claims. (Cl. 250—27)

1. The combination of a pair of electron discharge devices connected in push-pull relation

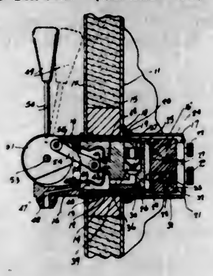
to each other to form a box-like assembly;

and each having a cathode, an anode and control and shield grids, means for applying alternating potentials of opposite polarities to the anode and shield grid of each of said devices, a pair of conductors, and means interconnecting



said conductors with each other and with said control grids for deenergizing one of said devices when the impedance between said conductors assumes a predetermined relatively low value and for deenergizing the other of said devices when said impedance assumes a relatively high value.

2,460,161
MIXING VALVE
Rudolph Yuza, Chicago, Ill., assignor to A. Dalkin Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1945, Serial No. 598,836
5 Claims. (Cl. 225—26)



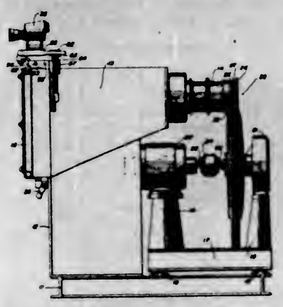
1. A mixing valve comprising a valve body having a plurality of passages formed therein, valve members controlling communication through said passages, a piston including a flexible diaphragm movable in said valve body and providing rearward and forward chambers, the rearward chamber communicating with the valve passages, a valve structure carried by and movable with the piston and adapted to open communication between the chambers, and means for moving said piston within said valve body.

2,460,162
CLOTHESPIN
Ernest Albert Alsop and Harold Victor King, Melbourne, Victoria, Australia
Application October 18, 1946, Serial No. 704,070
9 Claims. (Cl. 24—137)

2. A clothes pin comprising two elongated body members, spring means fitted between said body members near the upper ends thereof, each of the body members including an upwardly and outwardly tapering head portion, a transverse recess in the inner surface of said head portion for retaining said spring means, a longitudinal groove and an adjacent longitudinal tongue on the inner surface of said head portion coextending

lengthwise of the latter and below said transverse recess, a hip on the outer surface of said body member below said head portion, a transverse recess in said hip for accommodating the ends of said spring means, respectively, and a clamping jaw portion extending below said hip.

2,460,163
PROJECTILE FLIGHT RECORDING MULTIPLE EXPOSURE CAMERA
Ira S. Bowen, Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application April 15, 1947, Serial No. 741,453
1 Claim. (Cl. 95—36)

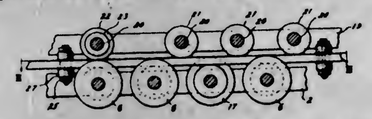


In a camera a light focusing unit and a light sensitive surface, a masking screen provided with an aperture and located between the light focusing unit and the light sensitive surface, manually operable means for aligning the aperture with the camera image of an object, a sight operable in train by said means, a cam having a surface vertically disposed relative to a reference plane corresponding substantially to at least a portion of the trajectory of said object in said vertical plane, follower means for said cam operatively connected to said sight for changing its vertical angle with respect to said reference plane as said sight is moved in train to maintain said object in the field of view of said sight and an automatic shutter for said light focusing unit.

2,460,164
STRAIGHTENING APPARATUS
Ernest E. Brayshaw, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application August 30, 1946, Serial No. 693,869
2 Claims. (Cl. 153—54)

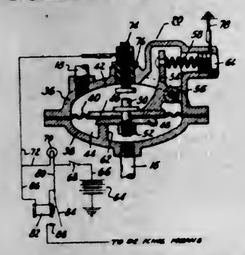
1. A straightening apparatus for metallic sections comprising a series of power-driven rolls the axes of which occupy a common plane, a collar on the first of said rolls, a collar on another of

said rolls, said last-named collar occupying a different longitudinal position on its carrying roll than said first-named collar, whereby there is defined by and between said collars the sides of a rolling pass, and a series of idle rolls the axes of which occupy a plane which is parallel and adjacent the plane of said series of power-driven



rolls, the first of said series of idle rolls having a reduced diameter portion contacting the periphery of the collar of the first of said power-driven rolls and a main portion spaced from the main portion of the first of said power-driven rolls to form a pinch pass for feeding the section into the straightening apparatus.

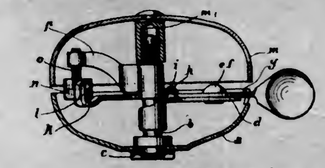
2,460,165
MEANS FOR INDICATING ICE ON AIRCRAFT SURFACES
Karl B. Britton, Cleveland, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 10, 1946, Serial No. 640,223
4 Claims. (Cl. 177—311)



4. An ice anticipator for aircraft comprising a venturi having its throat located in the airstream, said throat constituted so that the pressures created on either side thereof are normally the same but subject to variation when the area of the throat portion is varied, means responsive to differential pressure, means connecting opposite sides of said Venturi throat to said first-named means, said venturi being constructed and arranged to form ice in the throat thereof to thereby restrict the flow therethrough when the meteorological conditions ambient the aircraft are conducive to formation of ice on the aircraft surfaces, whereby a differential pressure is created within the first-named means to actuate the same, and means controlled by the first-named means for indicating said ambient conditions.

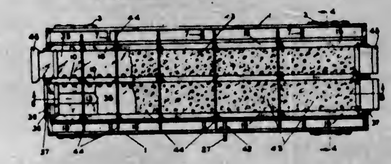
2,460,166
CYCLE BELL
Marcel Brun, Saint-Etienne, France
Application February 26, 1946, Serial No. 650,211
In France May 23, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires May 23, 1961
4 Claims. (Cl. 116—155)

1. A cycle bell comprising a support embodying a post; a pair of sounding domes carried by said post in opposed co-axial relation with their bases spaced from but substantially close to each other to form a box-like assembly; brackets carried by said post within said assembly; coil springs supported by the free ends of said brackets in substantially parallel relation to said post; striker members supported by said coil springs in close but spaced relation to said domes in the vicinity of the bases thereof, each of said striker members being adapted for cooperation with but one of said domes; a pivot



substantially parallel to said post and carried by same within said assembly; an operating lever adapted for oscillating movement, pivoted on said pivot with one end protruding from said assembly, the inner end of said lever being turned-up and adapted to pass between said striker members and said domes; and means on said inner end to actuate said striker members by pushing same aside from said domes and then freeing them.

2,460,167
CONCRETE BLOCK MAKING MACHINE
Alf G. Carlsen, Tacoma, Wash.
Application April 2, 1947, Serial No. 738,772
9 Claims. (Cl. 25—41)



1. A machine for molding plastic material such as concrete and which comprises a support, a mold member fixed on said support, a second support, a second mold member on said second-mentioned support in spaced relation from said fixed mold member and movable with said second support for movement relative to said fixed mold member, a pallet mounted on said supports by and between said mold members for supporting the molded plastic material, and means for moving said movable mold member and its support relative to said pallet and said fixed mold member and simultaneously moving said pallet relative to said fixed mold member to free the pallet and the molded objects thereon from between said mold members.

2,460,168
METHOD OF MAKING A DIAPHRAGM
Michele Caserta, Detroit, Mich.
Application August 14, 1944, Serial No. 549,475
1 Claim. (Cl. 18—59)

The method of making a diaphragm, which comprises coating a thin, flexible foraminous fabric disk with an uncured synthetic plastic to anchor said plastic in the openings of said fabric, positioning masses of a similar uncured synthetic plastic at opposite sides of said disk, compressing said disk and masses to form said masses into inner and outer spaced ring portions and said disk into a thin flexible web portion joining

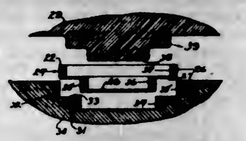
said ring portions and closing said inner ring por-

said vehicle, comprising a box-like member

aperture in said plate in alinement with said

2,460,175
IONIC VACUUM PUMP

said ring portions and closing said inner ring portion, curing the portions so formed to produce

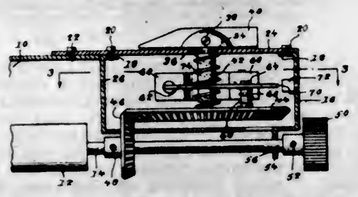


an integral diaphragm, and removing the central part of said web portion closing said inner ring portion to leave a central opening therethrough.

2,460,169
DOUBLE-CUT EDUCATIONAL NOVELTY
Louise Harris Fireng, Wayne, Pa.
Application April 17, 1946, Serial No. 662,713
4 Claims. (Cl. 35—35)

1. A cut-out of the class described comprising a plurality of pairs of angularly related halves of the same object, said pairs being joined at a base line, and each of said halves being of such area that it may serve as a substantially horizontal supporting base for the other half.

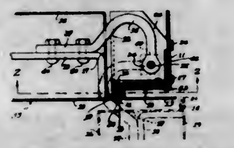
2,460,170
PAGE END INDICATOR FOR TYPEWRITERS
John G. Furchak, Mill Valley, Calif.
Application April 8, 1946, Serial No. 660,453
4 Claims. (Cl. 197—189)



1. A device of the character described, comprising a housing, a removable cover on said housing, a dial on said cover, a pointer on said dial coacting therewith, a vertical shaft for mounting said pointer at the upper end thereof, a gear on the lower end of said shaft, a rotatable axle below said gear, a gear on said rotatable axle coacting with the first mentioned gear to cause rotation of said pointer, an inwardly extending projection on said housing, and means on said first mentioned gear coacting with the projection on said housing to sound an audible signal when said pointer has reached a predetermined setting on said dial.

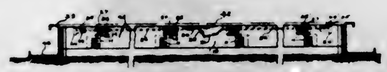
2,460,171
CONCEALED HINGE
Otto C. Gessler, Detroit, Mich.
Application March 13, 1944, Serial No. 526,163
2 Claims. (Cl. 16—135)

2. A hinge structure for supporting a vehicle door on a vertical channel frame member of said vehicle, comprising a box-like member adapted to be attached to the channel frame member, said box-like member having a base wall and side walls connected thereto, a hinge strap secured to the vehicle door and projecting between said side walls, and a hinge pintle extending through an eye in said hinge strap and



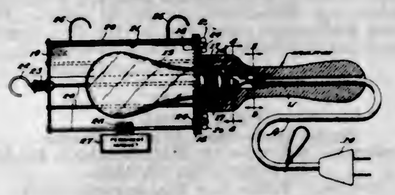
passing through aligned openings in said side walls, said side walls and the opposite ends of said base wall being provided with tab extensions forming anchoring lugs for reception and interlocking engagement in apertures located in said channel frame member whereby said channel member is gripped between the lugs of said base wall to secure said box-like member thereto.

2,460,172
DOWEL SUPPORTING ASSEMBLY
William S. Godwin, Baltimore, Md.
Application June 10, 1944, Serial No. 539,679
15 Claims. (Cl. 94—51)



1. A dowel-supporting assembly for concrete road joints comprising an elongated hollow main plate, dowel spacing means for a plurality of dowels spaced along said plate, dowel supporting members, means mounting said members within said main plate adjacent said spacing means for movement between two positions, each of said members in one position holding a dowel within one of said spacing means and in the other position releasing the dowel therefrom, a common operating means enclosed within the main plate and extending longitudinally thereof, and means operatively connecting said operating means to a plurality of said members.

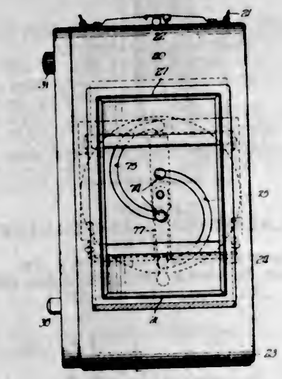
2,460,173
SQUARE LAMP GUARD
Anthony T. Halbing, Waterbury, Conn.
Application March 19, 1945, Serial No. 583,525
2 Claims. (Cl. 240—54)



1. A magnetic fixture for holding a portable electrical appliance in the form of a trouble lamp, comprising a handle, a recess in said handle, an electric light bulb socket in said recess, a carrier plate mounted on said handle, a central

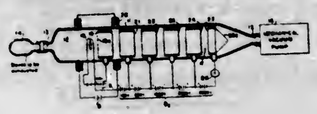
aperture in said plate in alinement with said recess, an out-turned rim on said plate, an electric light bulb guard having flat sides thereto secured to said plate within said flange, said guard involving outer protective rods, a clip snugly fitting a selective side and having detachable connection with certain of the rods thereof, and a permanent magnet carried by said clip.

2,460,174
CAMERA WITH VARISIZE FOCAL PLANE APERTURE
Clement E. Hannum, Chicago, Ill.
Application October 22, 1941, Serial No. 416,038
5 Claims. (Cl. 95—32)



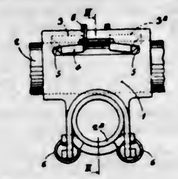
1. In a folding camera of the type described, having the usual roll type film, bellows, case with hinged back and button operated lens means; a means for regulating the amount of exposure reaching the film on any particular exposure in snapping a picture, said regulating means comprising, in addition to the regular shutter means, a plurality of adjustable sliding panels carried within the camera case between the film and the lens means and closely adjacent to the film, said sliding panels being movable to regulate the size of the opening between the film and the regular shutter and lens means of the camera, and means positioning the sliding shutters at predetermined locations, said last mentioned means being operable by means outside the camera case; means controlling the movement of the film in an amount corresponding to the size of the opening between the sliding panels, said film moving means comprising a film winding knob engaging the roller on which the film is being wound, a ratchet attached to said film winding knob, a roller rotated by film within the camera, a large gear wheel engaging gear means on said roller and operated by said roller on movement of the film, a cam and marker button carried by said large gear means and normally movable therewith, said gear and marker button means being likewise independently movable, a pawl engaging said winding button mechanism and locking the same against rotation, said cam engaging said pawl and releasing said winding button upon rotation of said marker button, markers on said marker button, a starting marker on said camera case adjacent said marker button, an exposure counter normally driven through said large gear wheel and normally movable for setting, and a double exposure preventing means.

2,460,175
IONIC VACUUM PUMP
Rudolf C. Hergenrother, Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application July 31, 1945, Serial No. 608,038
11 Claims. (Cl. 103—69)



1. An ionic vacuum pump comprising, a housing having a chamber and including an inlet port for connecting said chamber to a device to be evacuated and an outlet port for connecting said chamber to an external vacuum pump, said chamber providing a gas-discharge path between said inlet and outlet ports, means for providing a flow of electrons directed into said gas-discharge path to ionize gas molecules therein, and means tending to confine the movement of said electrons to provide an electron stream in said discharge path and co-operating with said first-mentioned means to cause a substantial number of said electrons each repeatedly to traverse said electron stream in longitudinal forward and backward direction therealong, thereby substantially to increase the probability of ionization of additional molecules in said discharge path by the repeated traversals of said electrons therethrough, said last-mentioned means including means for attracting said ionized gas molecules toward said outlet port to render them potentially accessible for evacuation by said external vacuum pump.

2,460,176
CLAMP FOR RODS AND TUBULAR MEMBERS
Henri Héritier, Geneva, Switzerland
Application September 10, 1945, Serial No. 615,334
In Switzerland October 26, 1944
1 Claim. (Cl. 287—54)



A clamp for assembling longitudinal rod and tube members which members cross each other at an angle without intersecting each other comprising a cradle for receiving each longitudinal member, a pair of bars cooperating with each cradle for retaining the longitudinal member therein, and cooperating cam surfaces between each bar and its cradle operable upon movement of one bar of the pair in one direction and upon movement of the other bar in the opposite direction longitudinally of the member in the cradle to cause said bars to grip the member, whereby movement of the bar longitudinally in either direction in its cradle will effect a tightening of one of said bars.

2,460,177

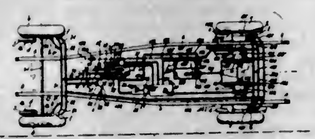
in whereby a combination sleeve packed and

resistant vinyl resin of a class consisting of vinyl

opening, and a partition in said dust bin between said side walls and extending from the top of said

2,460,177
PRESERVING SYNTHETIC RUBBER
Louis H. Howland, Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 12, 1945, Serial No. 599,113
3 Claims. (Cl. 260—86.5)

1. A rubber-like conjugated dienehydrocarbon-vinyl copolymer selected from the class consisting of 1,3-butadiene-styrene, and 1,3-butadiene-acrylonitrile copolymers containing by weight from 0.5 part to 5 parts, based on 100 parts of the copolymer, of thioacetamide.

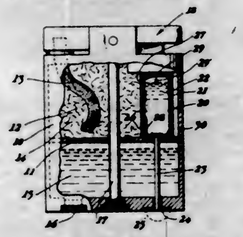
2,460,178
EMERGENCY ROAD WHEEL ASSEMBLY FOR AUTOMOBILES
Federico Carlos Kember, Buenos Aires, Argentina
Application June 2, 1945, Serial No. 597,164
In Argentina March 16, 1945
21 Claims. (Cl. 180—1)

1. An emergency road wheel assembly for automotive vehicles having a plurality of main vehicle wheels comprising a secondary retractile emergency wheel located next to each main vehicle wheel and of smaller diameter than such main vehicle wheel, a displacement assembly, an emergency wheel change-over cylinder including a piston, the cylinder being combined with the displacement assembly and the secondary wheels being mounted on said displacement assembly, control means for the displacement of said assembly connected to said piston, a tank, the internal pressure of which differs from that of the atmosphere, a pipe connecting said cylinder and tank, an inflatable tire on the vehicle wheels, an automatic device including a stop and a movable element, said movable element being maintained in inoperative position by normal pressure in said inflated tire, this last element being constantly spring urged towards an operative position by means having a force slightly less than the normal pressure in the inflated tire, a valve inserted in said pipe, and a valve-opening element located in the path of said stop.

2,460,179
COMBINATION PUMP
Walter L. Knott, Los Angeles, Calif., assignor to Lester B. Clark, Houston, Tex.
Application June 21, 1945, Serial No. 600,750
2 Claims. (Cl. 103—179)

2. A pump for wells including a tubing in the well, a standing valve in the tubing, a plurality of iron bushings disposed in said tubing above said valve, said bushings being hollow to provide a working barrel, a collar in said tubing to anchor said bushings, a standing tube extending upwardly from said collar, a plunger including a head and a pair of concentric spaced tubes depending therefrom to seal on the inside and outside of said standing tube, the inner of said tubes being of a length to extend into said bushings to work thereby a combination sleeve packed and working barrel seal pump is provided, said

plunger having a pair of spaced traveling valves therein.

2,460,180
FUEL RESERVOIR FOR CIGARETTE LIGHTERS
Harry Knox, Mechanicsburg, Pa.
Application October 8, 1945, Serial No. 620,973
3 Claims. (Cl. 67—81)



3. In a cigarette lighter, a body member, a partition in said body member defining a fuel tank and a wick compartment, a rotary valve in said wick compartment, said valve comprising a second fuel tank journaled on said partition, an aperture in said partition, an aperture in said second fuel tank adapted to be selectively aligned with said partition aperture upon rotation of said second tank, a housing encasing said second tank, a port therein and a port in said second tank adapted to be aligned with said housing port upon rotation of said second tank.

2,460,181
SEALING MATERIAL
Wallace P. Marshall, Newark, N. J., assignor to Pittsburgh Plate Glass Company, Essex County, N. J., a corporation of Pennsylvania
Application June 17, 1944, Serial No. 540,851
5 Claims. (Cl. 154—53.5)

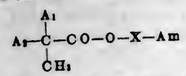
2. A tacky sealing tape for interposition between and adherence to overlapping portions of two sheets of metal which are to be joined together by mechanical fastening elements, which tape comprises a layer of a mixture of a non-drying, heat fusible and soluble alkyd resin which is a polyester of a polyhydric alcohol and a saturated dicarboxylic acid, zinc chromate, a water

resistant vinyl resin of a class consisting of vinyl acetal, vinyl chloride and a copolymer of vinyl chloride and vinyl acetate, the zinc chromate being employed in a ratio of approximately 5 to 30%, the vinyl resin being in a ratio of 20 to 40% based

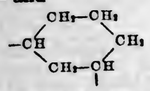
upon the alkyd resin content, said layer further comprising 100 to 250% based upon the alkyd resin content of an inert filler, the layer further being superposed upon a backing layer from which said layer is adapted to be stripped from the tape to expose the surfaces thereof.

2,460,182
BASIC ESTERS OF ALIPHATIC TERTIARY CARBOXYLIC ACIDS
Henry Martin and Alfred Margot, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland, a Swiss firm
No Drawing. Application August 14, 1944, Serial No. 549,492. In Switzerland August 4, 1943
5 Claims. (Cl. 260—293)

1. A basic ester of an aliphatic tertiary carboxylic acid, of the formula

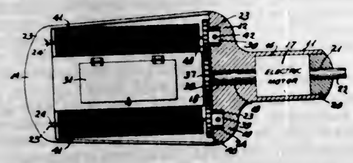


wherein A_1 and A_2 each represents a lower alkyl group and A_1 and A_2 together contain from 5 to 8 carbon atoms, X represents a divalent radical selected from the group consisting of $-CH_2.CH_2-$, $-CH_2.CH_2.CH_2-$ and



radicals, and Am stands for the radical of a secondary amine selected from the group consisting of lower dialkyl amines and piperidine.

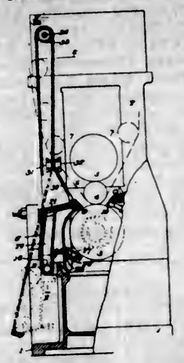
2,460,183
ELECTRICAL UTILITY BRUSH
Samuel Mayer, New York, N. Y.
Application May 17, 1944, Serial No. 535,915
2 Claims. (Cl. 15—23)



1. A brush comprising a handle having a recess, driving means disposed in said recess, a hood secured to said handle and open at its bottom, said hood having longitudinally curved sides, two spaced rotatable cylindrical brushes in said hood, one adjacent each of said curved sides, gear means connecting said brushes with said driving means, a dust bin disposed between said brushes, said dust bin having a curved side portion adjacent each of said brushes, each of said curved sides having an opening adjacent its correlated brush and above the bottom of said dust bin, said dust bin further having a bottom wall between said side walls, said bottom wall being provided with an opening, a hinged door for said bottom wall

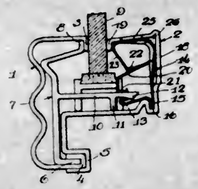
opening, and a partition in said dust bin between said side walls and extending from the top of said dust bin to adjacent said door for preventing dust from blowing out of its side openings, said brushes extending below said hood.

2,460,184
INK FOUNTAIN FOR INTAGLIO PRINTING PRESSES
Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application February 1, 1945, Serial No. 575,679
3 Claims. (Cl. 101—157)



2. In an enclosed ink fountain for rotary intaglio printing presses, a hollow base, side uprights carried thereby, a rotary printing cylinder, a horizontally disposed ink supply pipe mounted on the base, an inker head pivoted on said pipe to be swung between a raised substantially vertical inking position and a lowered substantially vertical non-inking position, and manually operated power increasing means for swinging the inker head between said inking and non-inking positions, including a cross shaft mounted in said side uprights above the inker head, pulleys on said cross shaft adjacent said side uprights, side chains leading upwardly from the top of the inker head to and around said pulleys, and guides on said side uprights through which the side chains pass to ensure the positive movement of the inker head past its vertical dead center as the inker head is swung away from its inking position.

2,460,185
GLASS SETTING FOR STORE FRONTS
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application June 22, 1944, Serial No. 541,593
6 Claims. (Cl. 20—56.4)



4. In a store front construction, a glass setting device for supporting a pane of glass, com-

prising a pair of sash members including an inner member secured in place and an outer member

tionally engage the walls of a groove, and an adjustable track-plate pivotally mounted on the

2,460,191
PROCESS FOR PREPARING ESTERS OF ORGANIC CARBOXYLIC ACIDS

having means for supporting an end of a curtain rod and adjustably secured to said plate member

prising a pair of sash members including an inner member secured in place and an outer member detachable with respect to the inner member, spaced lugs of extruded construction carried by the outer member and similarly spaced resilient clips carried by the inner member, a rearwardly projecting leg on the lugs and resilient projections on the spring clips for resiliently gripping and clamping therebetween the opposite sides of the leg and retaining it and the associated outer sash member in assembled relation.

2,460,186

COATING COMPOSITION COMPRISING AN AMIDE-ALDEHYDE RESIN AND A POLYESTER OF 2-ETHYL HEXANEDIOL-1,3 AND A DICARBOXYLIC ACID AS A PLASTICIZER

Eugene W. Moffett, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application March 7, 1946, Serial No. 652,806

17 Claims. (Cl. 260—31.6)

1. An alcohol modified urea-formaldehyde resin which is soluble in organic solvents, said resin being plasticized with a compatible plasticizer a polyester of 2-ethyl hexanediol-1,3 and a dicarboxylic acid containing at least 6 to 19 carbon atoms.

2,460,187

COATING COMPOSITION COMPRISING AN AMIDE-ALDEHYDE RESIN AND A POLYESTER OF AN ALPHA-ALKYL ETHER OF GLYCEROL AND A DICARBOXYLIC ACID AS PLASTICIZER

Eugene W. Moffett, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application March 7, 1946, Serial No. 652,807

19 Claims. (Cl. 260—31.4)

3. A coating composition comprising a fluid solution of a non-aqueous solvent and a resinous condensation product of formaldehyde and an amide of a class consisting of urea and melamine, said solution also containing a plastifying amount for said product of a polyester of an alpha-alkyl ether of glycerol containing 4 to 10 carbon atoms in the alkyl group and a dicarboxylic acid containing 6 to 19 carbon atoms.

2,460,188

FUNGICIDAL COMPOSITIONS

Walter C. O'Kane, Durham, N. H., and Glen H. Morey, Terre Haute, Ind., assignors to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application May 2, 1945, Serial No. 591,632

7 Claims. (Cl. 167—33)

1. A method for suppressing parasitic fungus growths on living plants which comprises bringing into contact therewith a kojic acid salt of a divalent heavy metal, said heavy metal having a specific gravity between 7 and 14.

2,460,189

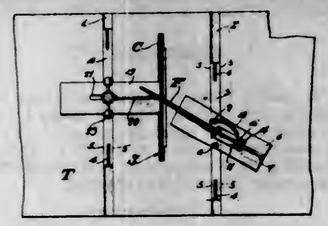
SAW-FILE HOLDER AND GUIDE

Clarence Perry, Santa Ana, Calif.

Application July 17, 1947, Serial No. 761,670

4 Claims. (Cl. 76—31)

1. In a file holder and guide the combination with a base plate having a bifurcated end forming laterally resilient tongues adapted to frictionally engage the walls of a groove, and an adjustable track-plate pivotally mounted on the base plate, of a manually operated holder having a pair of spaced annular walls movable on the track-plate, and a file rigidly mounted in the holder.



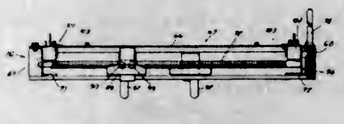
2,460,190

WIRE RECORDER INDICATOR

Merlin O. Petroff, Lake Bluff, and William F. Straub, Chicago, Ill., assignors to Charles P. Peirce, Evanston, Ill.

Application March 21, 1946, Serial No. 656,141

6 Claims. (Cl. 33—127)



6. In an indicating device for a wire recorder or the like having driving means for causing wire to travel from a supply spool to a take-up spool, or vice versa, the combination of an elongated casing, a feed screw extending lengthwise within said casing and adapted to be rotated by driving means in opposite directions depending upon the direction of travel of wire from one spool to the other spool, a first indicating means and a second indicating means each including spring means for normally biasing the same into engagement with said feed screw for movement lengthwise of said casing and axially of said feed screw by rotation of the latter, said first and second indicating means being adapted to be manually disengaged from said feed screw against the force of said spring means for movement lengthwise of said casing to selectively position the same relative to and for engagement with said feed screw, a pair of normally closed switches one disposed adjacent each end of said feed screw for effecting operation of said driving means, said switch means having actuator members engageable by said indicating means when disposed at the ends of said feed screw for opening said switch means to render said driving means inoperative, whereby said first indicating means is adapted to be positioned at either end of said feed screw to actuate either of said switch means after the wire has been substantially completely withdrawn from one spool and wound upon the other, and said second indicating means is adapted to be positioned relative to said feed screw to actuate selectively said switch means adjacent the end of said feed screw toward which it is adapted to be moved in the travel of the wire from said supply spool to said take-up spool and upon the transfer of a predetermined amount of wire from said supply spool to said take-up spool.

2,460,191

PROCESS FOR PREPARING ESTERS OF ORGANIC CARBOXYLIC ACIDS

Richard F. Phillips, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application July 13, 1946, Serial No. 683,429

4 Claims. (Cl. 260—482)

1. The process that comprises reacting an N-acylamino acid with approximately a molar equivalent of a dialkyl sulfite in the presence of the corresponding alcohol and an acidic catalyst to form an N-acylamino ester.

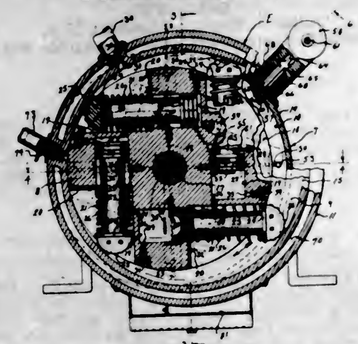
2,460,192

ROTARY DIESEL ENGINE

George F. Pieper, Milwaukee, Wis.

Application September 20, 1946, Serial No. 698,283

1 Claim. (Cl. 123—43)



In a rotary internal combustion engine of the type having a stator, a rotor eccentrically mounted in said stator with cylinders therein arranged around the axis of the rotor and extending substantially tangentially to a circle concentric with said axis, pistons slidably mounted in said cylinders, and means urging the pistons in said cylinders to a compression position by the outer wall of the stator during a part of the cycle of rotation of the rotor; said rotor having engagement at one point only with the outer wall of the stator and defining an air chamber between the stator and rotor, means for supplying fresh air in quantities to the chamber, inwardly opening intake valves communicating with the inner ends of the cylinders and having communication with the fresh air chamber, whereby upon outward movement of the pistons, fresh air will be sucked into the cylinders, and means for supplying atomized fuel to the cylinders at the appropriate times during rotation of the rotor.

2,460,193

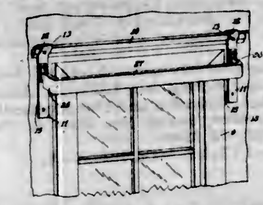
CURTAIN ROD BRACKET

Theodor Baudenkolb, New York, N. Y.

Application July 23, 1947, Serial No. 762,995

2 Claims. (Cl. 248—265)

1. Brackets for supporting a curtain rod, including in each bracket a plate member terminating in a hook at the top for suspending said plate member from a picture moulding or the like, said plate member having a plurality of holes arranged in a vertical series, a suction cup mounted upon the rear portion of the lower end of the same plate member, and a supporting plate having means for supporting an end of a curtain rod and adjustably secured to said plate member



by a manually releasable screw extending through said supporting plate into one of the holes in the vertical series in said plate member.

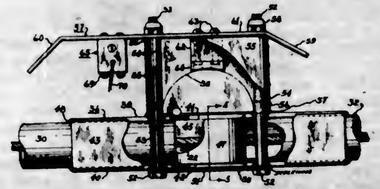
2,460,194

APPARATUS FOR SEVERING TOWLINES AND THE LIKE

Arthur B. Schultz, Wilmington, Del., assignor to All American Airways, Inc., a corporation of Delaware

Application October 10, 1944, Serial No. 558,022

1 Claim. (Cl. 164—34)



In supporting structure for explosively severing cables and the like, a first tubular cable guide, a second tubular guide in alignment with said first guide, the ends of said guides being in spaced relation, a pair of connecting plates between said guides rigidly attached thereto at a distance from said ends, side plates welded to said connecting plates forming a rigid enclosure therewith, a cable guiding restriction at the end of each tubular guide, a secondary supporting collar welded to each end of said guides, an explosive charge positioned over said secondary collar, means for detonating said explosive charge including a length of primer cord and a blasting cap, resilient holding means for said charge, a first shield positioned in spaced relation to said explosive charge, means for supporting said shield on said connecting plates, and means for protecting said charge and secondary collar including a screen and a readily frangible shield, said frangible shield enclosing the space between said collar and said first shield.

2,460,195

PROCESS FOR THE POLYMERIZATION OF 4-VINYLCYCLOHEXENE DIOXIDE

Gordon Hart Segall, McMasterville, Quebec, Canada, assignor to Canadian Industries Limited, Montreal, Quebec, Canada, a corporation of Canada

No Drawing. Application August 5, 1947, Serial No. 766,455. In Canada April 19, 1947

4 Claims. (Cl. 260—2)

1. Process for the polymerization of 4-vinylcyclohexene dioxide which comprises maintaining 4-vinylcyclohexene dioxide at a temperature of 0°–150° C. in the presence of 0.0001%–10%, by weight thereof, of perchloric acid until said 4-vinylcyclohexene dioxide is polymerized.

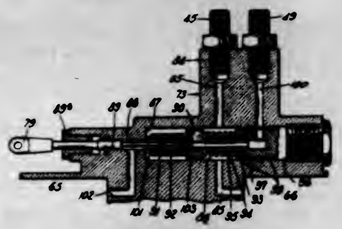
2,460,196

densable gas from the chamber through the spray

the motion of said material, voltage deriving

sulating ring-like members constituting the insulating envelope, the abutting surfaces of all

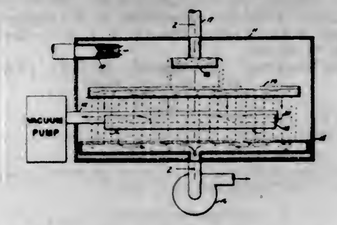
2,460,196
BALANCED FLUID MOTOR VALVE
John Keith Simpson, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, Warwickshire, England
Original application July 7, 1941, Serial No. 401,370, now Patent No. 2,361,130, dated October 24, 1944. Divided and this application February 11, 1944, Serial No. 522,006. In Great Britain July 10, 1940
1 Claim. (Cl. 121—46.5)



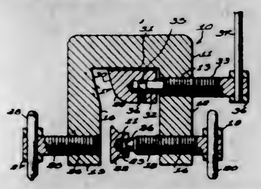
In a valve for controlling the flow of fluid to a fluid motor of the class wherein a pair of cylinders coaxially arranged house a pair of pistons connected one to the other for movement together and with corresponding ends with equally effective areas, the combination of a valve body having inlet and exhaust ports, a passageway connecting one end of one of said cylinders to the inlet port at all times, a passageway connecting the other end of said one cylinder and the corresponding end of the other cylinder to the inlet port, a passageway connecting the other end of said one cylinder and the corresponding end of the other cylinder to the exhaust port, a secondary valve normally seated in the second named passageway and constructed and arranged to be hydraulically balanced, a spring urging a secondary valve toward its seat, said secondary valve being constituted with a hollow interior which forms a part of said last named passageway and which includes a valve seat therein, a primary valve located in the hollow interior of said secondary valve and normally urged against said seat and constructed and arranged to be hydraulically balanced, a spring urging said primary valve toward the seat, and manual means for selectively opening the secondary and primary valves against the spring force only of their respective springs, said secondary and primary valves being so arranged one with respect to the other that any force applied to said manual means in a direction tending to open said secondary valve urges said primary valve toward closed position and any force applied to said manual means in a direction tending to open said primary valve urges said secondary valve toward closed position.

2,460,197
VACUUM CHAMBER EVACUATION
Horace L. Smith, Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 14, 1945, Serial No. 628,428
11 Claims. (Cl. 230—73)

1. A method for removing condensable and noncondensable gases from a chamber, which comprises providing in the chamber a spray of a condensing liquid, withdrawing the noncondensable gas from the chamber through the spray while the condensable gas is condensed and collected in the spray and thereafter condensing the condensable gas in the chamber.

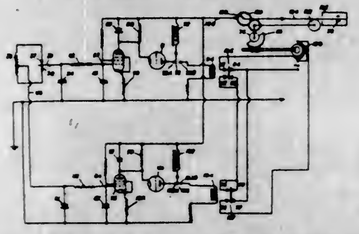


2,460,198
SAW SET
Julius J. Stocker, Flanders, N. J.
Application September 13, 1946, Serial No. 696,651
2 Claims. (Cl. 78—60)



1. A saw set comprising in combination, a substantially U-shaped body, one arm of said body having a bevelled recess formed on the inner surface thereof and constituting a stationary jaw, a clamping bolt provided on the remaining arm of said body, a bevelled setting block positioned between said arms and engageable with said recess, and an actuating screw provided on said remaining arm, said block being pivotally and adjustably mounted on said block.

2,460,199
MEASUREMENT OR VARIATION OF PHYSICAL STATES OF MATERIALS
Maurice Kenyon Taylor, Belmont, Scotland, and Alfred Douglas Knowles, Chadderton, England, assignors to Ferranti Limited, Hollinwood, England, a British company
Application October 21, 1946, Serial No. 704,580
In Great Britain October 25, 1945
2 Claims. (Cl. 34—52)



1. An apparatus for controlling the movement of material in accordance with variations in the physical state thereof comprising means for moving the material relative to a treatment zone, means for positively and negatively accelerating the motion of said material, voltage deriving means for deriving two control voltages one of which is positive, and the other of which is negative according to the direction of deviation from a standard and each of which is proportional to the dampness or other physical state of the material, means for rendering the voltage deriving means operative only at predetermined regular distances along the material, a pair of condensers adapted to be charged at rates dependent on the polarities and potentials of said control voltages respectively, means for discharging the condensers when predetermined potentials are reached, and relay means operated by the discharging current and controlling the operation of said accelerating means so as to accelerate said motion positively and negatively according to which of the condensers discharges first, said relay means being also operated to stop the acceleration when the other condenser discharges, whereby the period of positive or negative acceleration is proportional to the period between discharging of the two condensers.

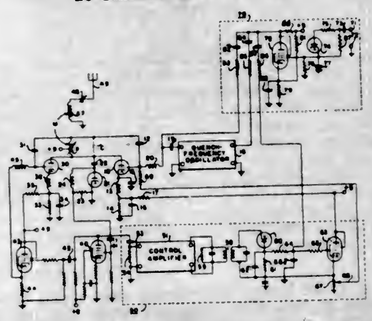
2,460,200
THERMAL CONVERSION OF HYDROCARBONS
Carlisle M. Thacker, Highland Park, and Hillis O. Folkins, Skokie, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
No Drawing. Application November 18, 1944, Serial No. 564,180
1 Claim. (Cl. 196—52)

The process of cracking hydrocarbon oils to hydrocarbons within the gasoline boiling range comprising, subjecting said oils to temperatures of approximately 650° to 1200° F., in a cracking zone in the presence of about 0.05 to 3.0 mol per cent of ethyl hypochlorite.

2,460,201
LAMINATED ENVELOPE STRUCTURE FOR ELECTRON DISCHARGE DEVICES
John G. Trump, Winchester, and Robert W. Cloud, Lexington, Mass., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application December 20, 1946, Serial No. 717,380
11 Claims. (Cl. 250—27.5)

1. A rigid, self-supporting, high-voltage, high-vacuum electronic device, capable of insulating the highest gradients along its length, the said device for that purpose comprising a multiplicity of metallic ring-like members and alternating insulating ring-like members constituting the insulating envelope, the abutting surfaces of all said members being bonded together by a plastic film, the said device, by reason of the bonding characteristics of said plastic film, being structurally rigid and structurally self-supporting mechanically, and the said bonding plastic film having low residual vapor pressure after baking, the said device also having throughout, by reason of said bonded plastic film, a vacuum-tight seal free from bubbles and inhomogeneities, the said bonded plastic film also having high chemical stability in the presence of vacuum and in the presence of high electric stress and under electronic bombardment, the said device being effectively sealed off by said plastic film bond, the said insulating members and metallic members of the device bonded by said plastic film having coefficients of expansion respectively indifferent to each other and permissibly differing, and the said plastic bond having itself a strength comparable to the intrinsic strength of the said metallic members and the said insulating members.

2,460,202
RADIO RECEIVER GAIN-CONTROL ARRANGEMENT
Benjamin F. Tyson, Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application April 19, 1944, Serial No. 531,759
10 Claims. (Cl. 250—20)



1. A gain-control arrangement comprising, a wave-signal receiver having a gain characteristic, means for deriving from said receiver an output signal having a characteristic which varies with an operating condition of said receiver, means having a predetermined time constant for deriving from said output signal a control effect, means for utilizing said control effect to control said gain characteristic of said receiver, means for substantially decreasing said output signal for a predetermined interval long with reference to said time constant, and means responsive to said last-named means for effectively maintaining the magnitude of said control effect within a predetermined range of values during said interval.

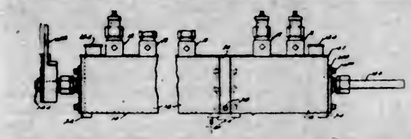
2,460,203
LUBRICATOR PUMP AND RESERVOIR ASSEMBLY
Ralph F. Urso, Detroit, Mich., assignor to McCord Corporation, Detroit, Mich., a corporation of Maine
Application April 10, 1946, Serial No. 660,984
11 Claims. (Cl. 184—27)

1. Lubricator construction comprising a pair of spaced and aligned lubricant reservoirs, each

device disposed within the casing and having an

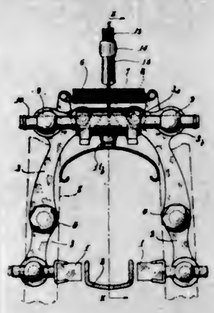
a hollow spool spindle, the combination of a helical spring in said hollow spool spindle having one

having an apertured end wall and a drive shaft, a pump driven by each of said shafts, a hollow partition sandwiched between and secured to both of said apertured end walls so as to form a unit with said reservoirs and closing the aperture in



each of said end walls so as to separate the contents of said reservoirs, said hollow partition including spaced wall portions provided with bearings, a shaft journaled in said bearings and connected to said drive shafts, and a drain outlet from the space enclosed by said walls.

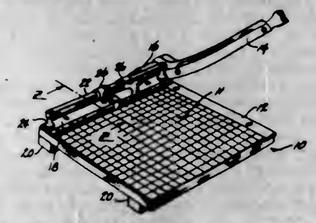
2,460,204
CYCLE BRAKE
Nicolas Vacher, Saint-Etienne, France
Application December 26, 1945, Serial No. 637,164
In France October 10, 1940
Section 1, Public Law 690, August 8, 1946
Patent expires October 10, 1960
7 Claims. (Cl. 188—24)



1. A cycle brake comprising two brake shoes adapted to laterally cooperate with the rim of the wheel to be braked; two brake levers respectively pivoted about parallel pivots fixed to the branches of a fork carrying said wheel, said levers carrying said shoes at one end while their other end extends beyond said pivots; a head pivoted on each of said last-named ends about an axis parallel to the axes of said pivots; a spindle slidably and rotatably engaged through said heads transversely to the same; a drum carried by said spindle between said heads, said drum having a substantially triangular projection on its periphery substantially symmetrical with respect to a plane transverse to said drum; means on said last-named ends to co-act with the sides of said triangular projection; means to rotate said drum to move said last-named ends apart; and spring means to restore said brake levers to the inactive position.

2,460,205
TRIMMING BOARD
Robert A. Webster, Santa Monica, Calif.
Application April 26, 1945, Serial No. 590,340
10 Claims. (Cl. 164—59)

1. In combination with a trimming board having a planar, imperforate bed plate provided with means along one edge for shearing a thin sheet of material; guide means extending along another edge of said bed plate for substantially the entire length of said edge for aligning a thin sheet of material; a support member mounted adjacent and parallel to said guide means and extending along substantially the entire length of



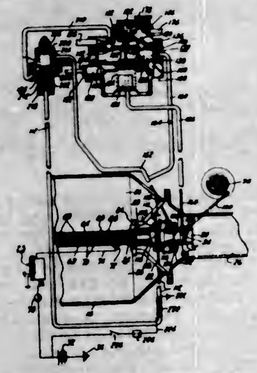
said last mentioned edge; and a pair of stop means slidably mounted on said support member for longitudinal movement along substantially its entire length parallel to said guide means and toward and away from said shearing means, said stop means further being mounted for substantially vertical movement to positions spaced above and in contact with the surface of said bed plate.

2,460,206
METHOD OF CONTINUOUS DYEING
William Marcy Wentz, Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 7, 1945, Serial No. 633,480
4 Claims. (Cl. 8—149.1)

1. A process of dyeing textile fibers in unwoven form, which comprises passing a continuous bundle of said fiber through an impregnation bath, then through a constricted passage whereby to squeeze the fiber bundle to a predetermined moisture retention, and into a developing chamber wherein the impregnated dye liquor is fixed upon the bundle, said impregnation bath, constricted passage and developing chamber being so arranged as to form a liquid-sealed, air-excluding passage for the fiber, whereby the fiber is prevented from exposure to the atmosphere until after it has passed through the fixing stage.

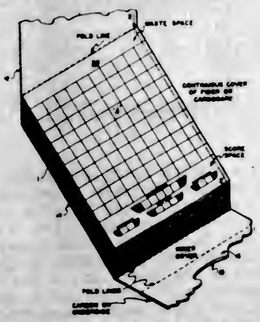
2,460,207
HEATING SYSTEM
Emil O. Wirth and Frederik Barfod, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 15, 1944, Serial No. 535,591
4 Claims. (Cl. 236—9)

2. In a heating system for buildings and the like: a heater comprising a casing; a carbureting device disposed within the casing and having an induction passage disposed therein; a duct for conveying heated air to a room to be heated; electrically operated means for inducing a flow of air to the casing and the induction passage; an electric circuit for the last mentioned means; a temperature responsive device adapted to be disposed



in the room to be heated; a second temperature responsive device adjacent the heater, said temperature responsive devices being connected in series and adapted to control said electric circuit; a balanced throttle controlling the flow of fuel through the induction passage; and a temperature responsive device linked with the throttle for controlling the position thereof.

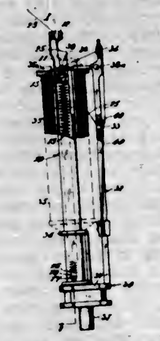
2,460,208
DEVICE FOR PLAYING "SALVO"
Albert M. Zalkind, Arlington, Va.
Application June 21, 1946, Serial No. 678,496
7 Claims. (Cl. 273—130)



1. A device for playing "Salvo" comprising a sheet printed with a grid on each side thereof, said grids being in register with each other, and a carbonized member having a carbonized surface disposed under said sheet with the carbonized surface in contiguity therewith.

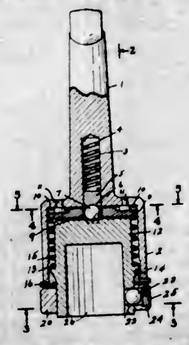
2,460,209
SPOOL HOLDER
William C. Adlman, New York, N. Y.
Application November 15, 1947, Serial No. 786,305
1 Claim. (Cl. 87—22)

In a spool holder for braiding machines having a braiding apparatus, said spool holder having a hollow spool spindle, the combination of a helical spring in said hollow spool spindle having one end secured to the lower end of the spool spindle, and having its upper end free to move and when the spring is stretched to have its upper end in proximity to the upper end of the spool holder, said stretching being to a length about two times the length of the initial length of the spring, the thread passing through the upper end of the spring and resiliently held thereby when passing from the spool to the braiding apparatus, a vertical thread guiding member to guide the thread from the spool to the spring, having an upper thread guide above the spool and above the ex-



tended end of the spring, and having a thread guide about centrally the height of the spool, and a pawl having an eyelet and pivoted to the guiding member, said eyelet being immediately above the upper end of the spring for guiding the thread from the guiding member to the spring and from the spring to the braiding apparatus, said guiding member being parallel with the axis of the spool, with a movable weighted loop disposed between the outgoing side of the central thread guide and the incoming side of the upper thread guide of the guiding member, to loop the thread as it passes from its spool and before it engages the spring.

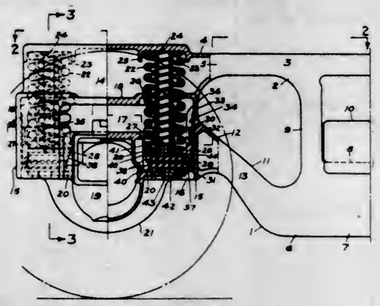
2,460,210
TOOLHOLDER
Braeell Barrett, Galena Park, Tex.
Application January 19, 1946, Serial No. 642,332
1 Claim. (Cl. 279—16)



A tool holder comprising, a shank whose outer end is formed with a hollow body of greater

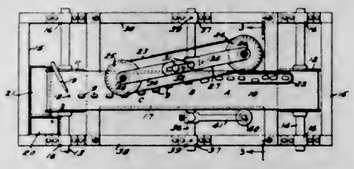
diameter than the shank, said shank being formed with a deep socket, a coil pressure spring in said socket, a ball retainer seated on the spring within said socket and whose outer face is formed with a concaved depression, a ball seated in the depression, a circular plate mounted within the body and forming a floating driver which is provided with a central opening in which said ball is located, said driver having opposed radial marginal grooves, drive pins anchored to the bottom of the body and extending loosely into said grooves to clutch the driver with the body for rotation therewith, a floating adapter in the body provided with an outer end, tool-receiving, socket and with an external, annular, inwardly directed shoulder and an outer tapering shoulder, a coil spring around the adapter and interposed between the driver and the inwardly directed shoulder, a gland screwed into the outer end of the body and having an external annular flange which abuts said outer end and whose inner end is tapered to conform to the taper of said tapering shoulder, said spring around the adapter normally holding said tapering parts in contact, said adapter being provided with a concaved recess in its inner end to receive said ball and being provided with radial marginal slots at angles to said grooves, pins on the driver having heads which work loosely in said marginal slots to clutch the driver with the floating adapter, a locking ring on the body having an inside, double cam-shaped groove which converges into a central opening through the adapter and a ball retained in said double cam-shaped groove and working through the opening thereof.

2,460,211
RAILWAY TRUCK JOURNAL BOX MOUNTING
Donald S. Barrows and Emil H. Blattner, Rochester, N. Y., assignors to The Symington-Gould Corporation, Rochester, N. Y., a corporation of Maryland
Application September 20, 1944, Serial No. 554,954
17 Claims. (Cl. 105—224)



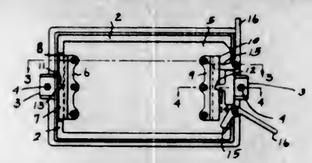
2. In a railway truck wherein a side frame is provided with downwardly opening jaws facing one another and a journal box disposed between said jaws and arranged to have the side frame move vertically relative thereto, the combination of, resilient elements of different character acting in series for the support of said side frame from said journal box, and shoes between said resilient elements; at least one of said resilient elements being distorted to urge an associated shoe into frictional engagement with a related jaw.

2,460,212
POSITIONING OBJECTS FOR AUTOMATIC COLOR SORTING
Everett H. Bickley, Bala-Cynwyd, Pa.
Application June 25, 1946, Serial No. 679,186
3 Claims. (Cl. 198—33)



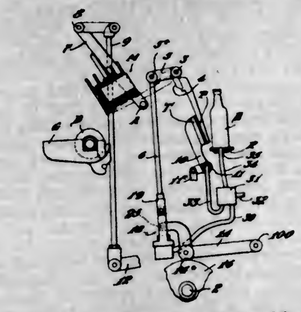
3. A mechanism for feeding coffee beans to an inspection point in predetermined exposed surface condition, comprising a conveyor belt having a bean supporting friction surface, means for causing beans to be delivered to said surface in random arrangement of flat and convex sides seated on said surface, means guiding said beans into single file relation, a vertically disposed driven endless smooth-faced band partially overlying said conveyor surface angularly with respect to the length thereof and intercepting the path of the file of beans to thereby cause those beans resting on a convex side to turn about a friction point of contact and be inverted, whereby all beans leave said band with the convex side uppermost as delivered to said inspection point.

2,460,213
PATTERN BOARD
Harold O. Capps, Houston, Tex.
Application July 28, 1945, Serial No. 607,612
1 Claim. (Cl. 22—157)



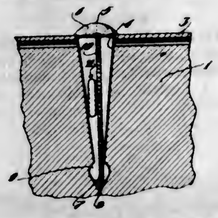
In a mold, a pattern board comprising, a frame having an inside inwardly extending flange around the frame and spaced from the top thereof, a plate fitted closely within the frame and resting on said flange and whose upper face is flush with the top of the frame, a transverse clamp secured to the under side of the plate, at one end thereof, and whose outer margin is spaced from the plate, said spaced margin engaging underneath the adjacent end flange of the frame, a transverse clamp secured to the bottom of the plate and spaced from the other end of said plate and whose outer margin is spaced from the plate, clamp dogs pivoted to the frame and whose free ends are engageable with and releasable from the spaced margin of the last mentioned clamp, handles on the pivoted ends of said dogs whereby the dogs may be moved into engagement with, or released from, said clamp, the outer margins of said clamps each having a central, outwardly flared notch, tapering lugs on the ends of the frame extending into said notches to hold the plate centered relative to the frame.

2,460,214
SAFETY DEVICE FOR LABELING MACHINES
Sidney T. Carter, Worcester, Mass., assignor to Economic Machinery Company, Worcester, Mass., a corporation of Massachusetts
Application May 2, 1945, Serial No. 591,616
8 Claims. (Cl. 216—54)



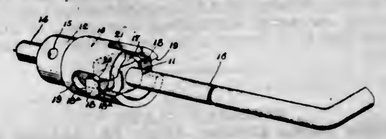
1. In a labeling machine of the kind wherein a picker element normally receives adhesive from a supply, presses its adhesive coated surface against the exposed label in a magazine, withdraws the label from the magazine and conveys it to a transfer point, a picker, a picker-actuating cam designed to move the picker through a path such that the picker may perform its normal cycle of operation, and control means responsive to the presence or absence, respectively, at the label-applying point, of an article to be labeled, said controlling means being operative so to limit the movement of the picker along said path as to prevent the picker from receiving its usual coating of adhesive.

2,460,215
TELLTALE FOR FROZEN FOOD PACKAGES
Kenneth J. Chase, Wilmington, Mass.
Application July 8, 1946, Serial No. 682,101
14 Claims. (Cl. 99—192)



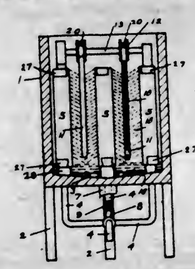
1. A warning device for a quick-frozen food package comprising a fluid-tight elongate casing having an outer portion designed to be located adjacent to an outer surface of the package, and an inner portion designed to be located deep within the package, fluid-activated signal material within the outer part of the casing, said signal material being of a kind which is permanently changed in appearance by contact with a selected fluid, a fluid conductor extending from the inner part of the casing to the outer part thereof, and means in the inner portion of the casing operative to supply fluid, operative to change the appearance of the signal material, to the conductor when the temperature of the interior of the previously frozen package rises above the freezing point.

2,460,216
DISCONNECTIBLE UNIVERSAL JOINT
Donald A. Dalton, Warsaw, Ind., assignor to The Dalton Foundries, Incorporated, Warsaw, Ind., a corporation of Indiana
Application January 10, 1945, Serial No. 572,141
1 Claim. (Cl. 64—8)



A disconnectible universal joint for operating an automobile jack or the like comprising, in combination, a T-shaped head including a stem with a pair of generally cylindrical arms projecting laterally at opposite sides thereof, said arms being relieved to provide diametrically opposed flat faces and assembled into the stem with their major diameters disposed in a direction trans-axially of the stem and their minor diameters disposed in a direction axially of the stem, a tubular socket member internally dimensioned to receive said head and having longitudinal slots at diametrically opposite points in its side walls opening at the ends of the member for the reception of said arms, said slots having a width adjacent their inner ends slightly greater than the major arm diameter to permit the head to rock freely about the longitudinal axes of said arms, the outer end portions of said slots having a width slightly greater than the minor arm diameter and defining inwardly facing shoulders operative to confine said arms within the inner portions of said slots when said stem is disposed in any position other than normal to the axis of said socket member, said inner portions of the slots being of sufficient length to permit lateral rocking of the head with said arms fulorumed on the shoulder in either of said slots, and said socket member also having a third slot opening from said one end and extending longitudinally thereof substantially midway between said first mentioned slots to afford clearance for swinging said stem into a position normal to the axis of said socket member whereby to present the minor diameter of said arms for insertion through or removal from the first mentioned slots.

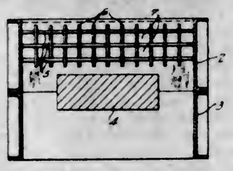
2,460,217
WASHING TANK FOR PHOTOGRAPHIC FILMS
Fred W. Deerfield, Baltimore, Md.
Application September 19, 1944, Serial No. 554,776
3 Claims. (Cl. 95—98)



1. An X-ray film washing comprising in combination, a tank, a film holder mounted in the

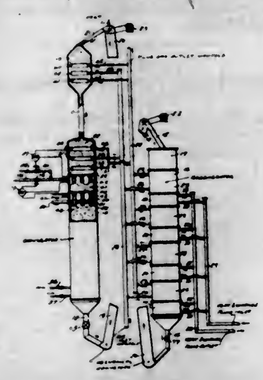
tank, water feeding means having holes for directing streams of water in a downwardly and outwardly direction from the face of said water feeding means, cam means mounted in said tank, film holder supporting means positioned on said cams and rotated in an up and down and crosswise manner in the path of water from said water feeding means, and means for controlling the amount of water contacting the face of said X-ray film in a downwardly and outwardly manner.

2,460,218
FOUNDRY FLASK
William Mellen Duncan, Alton, Ill., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill., a corporation of Illinois
Application September 28, 1945, Serial No. 619,125
1 Claim. (Cl. 22—111)



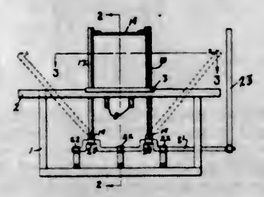
The combination with a molder's flask of a metallic grill composed of interwoven wire members with diameters not exceeding one-fourth the maximum lineal dimension of a contiguous opening of the grill, said grill extending vertically of the flask and from side to opposite side of the cope portion of the flask and secured thereto, the interstices of said grill being open for the inflow of sand from both sides of the grill.

2,460,219
HIGH-TEMPERATURE HYDROCARBON CONVERSION PROCESS
Sylvander C. Eastwood, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application February 28, 1948, Serial No. 11,893
9 Claims. (Cl. 196—52)



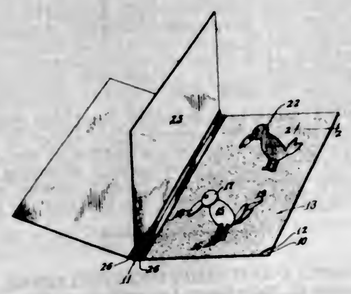
1. A continuous process for conducting endothermic conversions of fluid hydrocarbons at elevated temperatures in the presence of a suitable contact material consisting of particles of substantial size as distinguished from powdered material which process comprises: introducing said contact material into the upper section of a confined conversion zone at a temperature suitable for supporting the conversion of said fluid hydrocarbons and for supplying at least most of the heat of reaction, passing said contact material downwardly through said conversion zone while contacting it with said hydrocarbons to effect the conversion thereof with resultant deposition of a carbonaceous contaminant deposit on said contact material, withdrawing the used contact material from the lower section of said conversion zone and passing it to a mechanical conveying zone at a temperature at which it may be practically mechanically conveyed, maintaining a confined burning zone separate from said conversion zone, mechanically conveying said used contact material to a location from which it may flow into said burning zone, passing said contact material downwardly through said burning zone, passing a combustion supporting gas into contact with said contact material in said burning zone to effect burning of a substantial portion of but less than all of said contaminant deposit from said contact material, passing the contact material bearing a residual portion of the original contaminant deposit from said burning zone to a confined conveying zone and controlling the temperature of said contact material passing to said last named conveying zone at a level at which the contact material may be practically mechanically conveyed, maintaining a confined final burning zone above said conversion zone, conveying said contact material bearing said residual portion of the original contaminant deposit to a location from which it may flow into said final burning zone, passing said contact material through said final burning zone and effecting an increase in its temperature to a level which is suitable for supporting said hydrocarbon conversion and for supplying at least most of the heat absorbed by the hydrocarbon reaction by burning off at least a substantial portion of the residual contaminant deposit with an oxygen containing gas and passing the contact material by gravity flow from said final burning zone into the upper section of said conversion zone as aforesaid.

2,460,220
BLOCK MOLDING MACHINE
Lester T. Ferrin, Tonasket, Wash.
Application November 18, 1946, Serial No. 710,620
1 Claim. (Cl. 25—41)



In a plastic block machine the combination with a base board and a pallet, and a pair of upright supporting sleeves forming sockets rigid with and projecting below the board, of a central hollow core having a pair of centering pins located in said sockets, an open-center die-frame mounted on the pallet and spaced from the core, a separable mold mounted on the base board and enclosing the pallet and die-frame, a presser board mounted in the upper open end of the mold and spaced above the core, an open-center die-frame mounted on the inner face of the presser board and engaging the outer surface of the upper end of the core, and means for depressing the presser board.

2,460,221
LUMINESCENT AMUSEMENT DEVICE
Joseph M. Gordon, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application June 9, 1944, Serial No. 539,411
6 Claims. (Cl. 250—71)



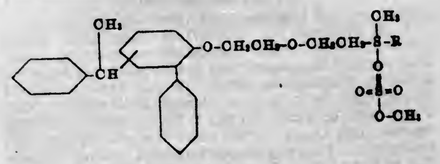
1. A device of the class described comprising a sheet surfaced with a luminescent paint adapted to glow for record purposes after exposure to visible light, and a filter member hingedly mounted with said first-mentioned sheet to move onto and away from said sheet and colored red to a degree adapted to filter out light which will excite said luminescent paint but which will pass light of longer wavelength than visible light and in the neighborhood of infra-red wavelengths for the purpose of quenching excitation of said luminescent paint by radiation including infra-red radiations and visible light, which is directed upon the filter member when in position upon said sheet.

2,460,222
TRAVELING NUT LIMIT STOP
Walter S. Hall, Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy
Application February 20, 1946, Serial No. 649,066
1 Claim. (Cl. 74—424.8)

A travelling nut limit stop comprising a shaft, a casing rotably supporting the same, said shaft having a threaded portion, a nut threaded on said threaded portion, an annular projection on each end of said nut, means on said nut and casing preventing rotation of said nut, stops mounted on said shaft at the opposite ends of said threaded portion, said stops having annular grooves facing said annular projections, respectively, and in alignment therewith and resilient annular members in said grooves adapted to engage said annular projections, respectively, to cushion the engagement of said nut against either of said stops.

2,460,223
SULFONIUM METHOSULFATES
John N. Hansen, Albert Lea, Minn., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application September 10, 1947, Serial No. 773,302
4 Claims. (Cl. 260—457)

1. A compound having the formula



wherein R represents an alkyl group containing from 2 to 4 carbon atoms, inclusive.

2,460,224
BIOTIN INTERMEDIATE
Stanton A. Harris, Westfield, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application September 16, 1944, Serial No. 554,453
18 Claims. (Cl. 260—329)

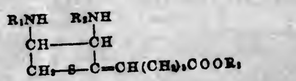
1. A compound selected from the class consisting of aryl, alkyl and arylakyl esters of 2-(omega-carboxy-alkylidene) - 3 - isonitroso - 4-acylamido-tetrahydrothiophene.

2,460,225
BIOTIN INTERMEDIATE
Stanton A. Harris, Westfield, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 15, 1945, Serial No. 635,427
13 Claims. (Cl. 260—329)

1. A compound selected from the group which consists of oximes, arylhydrazones and semicarbazones of 2-(omega-carboxy-alkylidene)-3-keto - 4 - acylamido - tetrahydrothiophene, and alkyl, aryl, and arylalkyl esters thereof.

2,460,226
BIOTIN INTERMEDIATE
Stanton A. Harris, Westfield, and Glen E. Arth, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application December 15, 1945, Serial No. 635,428
12 Claims. (Cl. 260—329)

4. Butylidene substituted tetrahydrothiophenes having the following structure:



where R_1 and R_2 are acyl radicals, and R_3 is a radical selected from the group which consists of hydrogen, alkyl radicals, aryl radicals and aralkyl radicals.

2,460,227
EXTRACTION OF ELEMENTAL SULFUR FROM OILS
James Andrew Hart, Louis Nicholas Hollis and John Wilson Randolph, Hammond, Ind., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 11, 1945, Serial No. 587,840
2 Claims. (Cl. 196—30)

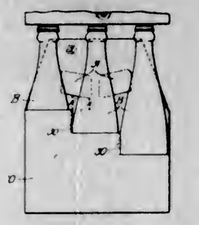
1. A method for removing elemental sulfur from gasoline which comprises contacting gasoline containing elemental sulfur with an aqueous solution containing about 15 per cent to about 25 per cent by weight of sodium hydroxide, about 5 per cent to about 10 per cent by weight sodium sulfide, and about 0.5 per cent to about 10 per cent thiocresols, thereby dissolving said elemental sulfur in said aqueous solution, and separating said aqueous solution from the gasoline.

2,460,228
BUCKLE
Max Hoffman, Roxbury, Mass.
Application March 5, 1947, Serial No. 732,467
2 Claims. (Cl. 24—73)

1. A buckle comprising a yoke having a rigid cross bar and spaced limbs arranged to define a strap-receiving slot, each limb having a bearing at its free end, the bearings being axially aligned, a pair of strap-penetrating prongs each having a sharp end designed to contact the cross bar of the yoke, each prong having a pintle portion arranged to turn and to slide axially in one of the yoke bearings respectively, the prongs with their pintle portions being independent of each other, each pintle portion integrally joining an elongate leg member, each leg member having an eye at its free end, each eye having a substantially straight side, the straight sides of the two eyes being in alignment, and a button-engaging loop comprising spaced arms whose free ends are hooked over the straight sides of the respective eye and movable longitudinally of said straight sides.

2,460,229
BOTTLE HOLDER
Samuel N. Lebold, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Continuation of application Serial No. 567,560, December 11, 1944. This application September 27, 1947, Serial No. 776,553
4 Claims. (Cl. 229—52)

1. A paperboard carrier for a plurality of like bottles, said carrier including a bottom, a pair of flexible side walls connected to the bottom, a vertically extending panel disposed between and terminating above said walls, and transverse partition means in collapsible relation to and disposed between said panel and respective walls and adapted to subdivide the space on opposite sides of said panel into cells to accommodate said bottles, the ratio of the height of said panel in its normal, fully extended upright position to the length of one of said side walls being less than 1.5:1.0, the upper edge of said panel terminating below the top of said bottles in said cells

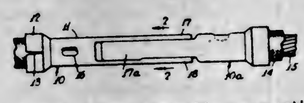


to enable stable, non-wobbling, vertically aligned stacking of loaded carriers one on top of another, each supported by the bottles in the subjacent carrier, said panel having provision for manually suspending the loaded carrier with the user's knuckles between the necks of the bottles.

2,460,230
DISPLAY AND SHIPPING CONTAINER
James K. Makrianes, Longmeadow, Mass.
Application July 18, 1947, Serial No. 761,931
2 Claims. (Cl. 211—60)

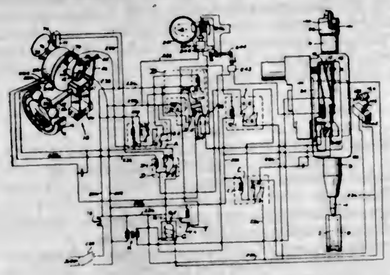
1. A display and shipping box for golf clubs and the like comprising in combination, a foundation member including an elongated flat base having longitudinal side portions bent upwardly over and inwardly to form double thickness longitudinal side walls, a holder having the lower portion formed to provide a transverse tube having an upper platform wall provided with openings adapted to receive the heads of golf clubs, a lower support in said tube having an upper wall spaced downwardly from said platform wall adapted to support the heads of golf clubs in the opening therein, said holder being superposed on said base and having intermediate portions extending upwardly from said base in the form of a V providing a guide and having guide means for the shafts of golf clubs, a wedge member on said holder at the upper end thereof between said side walls having a lower surface spaced above said guide and inclining towards said guide between said side walls, a lower cap around the lower portions of said base and holder, and an upper cap around the upper portion of said base and wedge member.

2,460,231
SEPARABLE CONNECTOR
Irving Frederick Matthysse, New York, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application January 23, 1943, Serial No. 473,414
3 Claims. (Cl. 287—76)



1. A connector for separably connecting two conductors together, consisting of two body halves, each half having means at one end thereof for attaching a conductor thereto, and slotted at the other end thereof to form resiliently extending interlocking fingers, each of said fingers having a pair of flat radially engaging contact surfaces, one of which surfaces has a flat offset portion with a camming surface positioned at the junction of the offset portion therewith for interlocking with a flat offset portion on a finger of the remaining body half, providing a flat engaging electrical contact during the movement of the engaging finger on said one surface and on its offset portion.

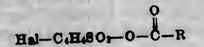
2,460,232
GAUGING APPARATUS FOR CONTROLLING A GRINDING OPERATION
Henry Michelsen and Merton E. Reid, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 16, 1944, Serial No. 549,666
21 Claims. (Cl. 51—165)



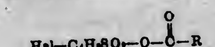
1. In apparatus for regulating the grinding to size of one of a pair of articles under control of the size of the other article, gauging mechanism responsive to the size of the article being ground, grinding controlling means responsive to the gauging mechanism, and motor actuated mechanism controlled by the size of said other article for adjusting the position of the gauging mechanism at which the grinding controlling means is actuated.

2,460,233
ESTERS OF SULFOLENE HALOHYDRINS
Rupert C. Morris, Berkeley, Edward C. Shokal, Oakland, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 22, 1945, Serial No. 623,862
7 Claims. (Cl. 260—329)

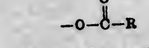
7. A haloester of a carboxylic acid of the group consisting of the halosulfolenyl esters of the formula



and the halosulfolanyl esters of the formula

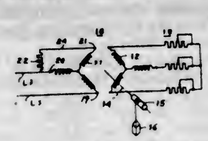


in which formulae Hal represents a halogen atom and



is an acyloxy radical of a carboxylic acid of not more than 20 carbon atoms.

2,460,234
INDUCTION MOTOR CONTROL SYSTEM
Asa H. Myles and Alfred C. Prottengeier, Solon, Ohio, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1943, Serial No. 491,310
14 Claims. (Cl. 318—211)

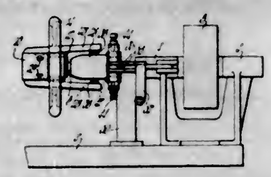


1. A control system for a three-phase induction motor arranged to be driven at times by an overhauling load and having a secondary winding and a primary winding which is provided with only three accessible terminals all of which are non-neutral, comprising a secondary circuit network of relatively high resistance, means for connecting said network to said secondary winding, means for connecting said primary winding to a source of power to produce within said motor the phenomenon considered as oppositely rotating magnetic fields, said secondary circuit network having an ohmic resistance approximately equal to the ohmic reactance of said secondary winding measured at twice the frequency of said source, means for electrically interconnecting two of said terminals to define a local closed circuit to cause said motor to produce a braking torque when driven by said overhauling load, and means interposed in said local closed circuit to cause said oppositely rotating fields to be sufficiently unequal in magnitude to produce a starting torque in said motor.

2,460,235
WIRE TWISTING APPARATUS
James A. Openshaw, Southampton, Mass., assignor to Stanley Home Products, Inc., Westfield, Mass., a corporation of Massachusetts
Application December 23, 1946, Serial No. 717,861
2 Claims. (Cl. 279—1)

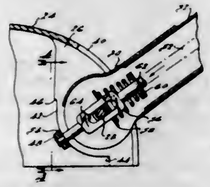
1. Wire twisting apparatus comprising in combination, bearing means, a shaft rotatable therein, a chuck fixed on said shaft having a slot therethrough disposed transversely to the longitudinal axis thereof, jaws slidable in said slot radially of said chuck, separating means urging said jaws apart, levers pivoted in said chuck, bearing means at the forward ends of said levers

bearing on outer sides of said jaws, a cam slidable on said shaft adapted to act on and separate said levers when moved towards said chuck, and means to actuate said cam, said separating means



including ledges projecting from a side of said jaws disposed in a bore provided in said chuck and a spring between said ledges, and said bearing means including sockets provided in said levers and balls disposed therein.

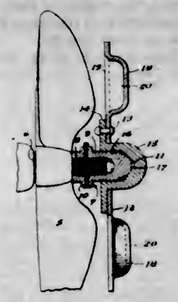
2,460,236
HANDLE CONTROL FOR SUCTION CLEANERS
Ralph C. Osborn, Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich., a corporation of Michigan
Application March 9, 1946, Serial No. 653,411
7 Claims. (Cl. 306—10)



1. In a suction cleaner, a wheeled chassis having a handle pivoted thereto, said chassis having a curved surface whose center of curvature is the pivotal axis of said handle on the cleaner, a locking bar arranged parallel to said pivotal axis and movable with the handle in its pivoting movement about said axis and frictionally engageable with said surface to lock said handle against pivoting movement, spring means operable for biasing said locking bar into frictional locking engagement with any part of said surface to lock said handle in a selected position relative to said chassis, said handle having a hand grip, a manually operable trigger associated with said hand grip and a connection between said trigger and bar for releasing the frictional locking engagement between said bar and surface to permit pivoting movement of said handle only when said trigger is actuated.

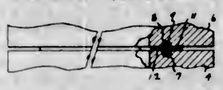
2,460,237
TROLLING PLATE
Orrin C. Palmer, Melrose, Mass.
Application August 15, 1947, Serial No. 768,843
6 Claims. (Cl. 170—135)

1. A trolling plate to be threaded upon a rearward extension of a propeller shaft in a direction opposite to the direction of rotation of the propeller, and scoop-like elements carried by said plate and projecting laterally therefrom to resist rotation of said plate so that in use said plate



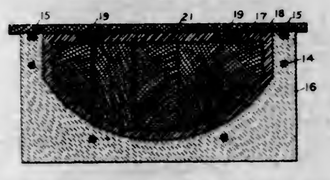
tends to become more tightly threaded upon said propeller shaft extension.

2,460,238
CASING HEAD
Arthur J. Penick, Houston, Tex., assignor to Oil Center Tool Company, Houston, Tex., a corporation of Texas
Application September 18, 1944, Serial No. 554,693
2 Claims. (Cl. 166—14)



1. In a well head having adjacent sections formed with registering grooves, a hard metal seal ring in the grooves and a soft metal, annular, gasket adjacent the seal ring and clamped between said sections with its margin, adjacent said ring, having lip-like, annular extensions which extend into both grooves.

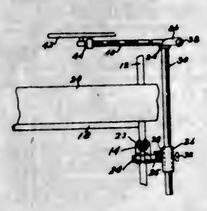
2,460,239
RESOLUTION OF RACEMIC α HYDROXY β,β DIMETHYL γ BUTYROLACTONE
Frank D. Pickel, Flemington, N. J., and Jacob I. Fass and Saul Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 4, 1945, Serial No. 603,282
7 Claims. (Cl. 260—344)



3. As a new compound a salt selected from the group consisting of a d-ephedrine salt of l-α-γ dihydroxy β,β dimethyl butyric acid and a d-ephedrine salt of d-α-γ dihydroxy β,β dimethyl butyric acid.

7. A process for the resolution of racemic α hydroxy β,β dimethyl γ butyrolactone which comprises reacting the aforesaid lactone with d-ephedrine to form a d-ephedrine derivative of l-α-γ dihydroxy β,β dimethyl butyric acid and a d-ephedrine derivative of d-α-γ dihydroxy β,β dimethyl butyric acid at a temperature below the decomposition temperatures of said ephedrine derivatives, dissolving the mixtures of the butyric acid compounds in a solvent, crystallising the d-ephedrine derivative of d-α-γ dihydroxy β,β dimethyl butyric acid from the solution, lactonising the d-ephedrine d-α-γ dihydroxy β,β dimethyl butyric acid to produce l-α hydroxy β,β dimethyl γ butyrolactone, dissolving the lactone in methyl isobutyl ketone, and cooling the solution to precipitate purified l-α hydroxy β,β dimethyl γ butyrolactone therefrom.

2,460,240
RESOLUTION OF RACEMIC α HYDROXY β,β DIMETHYL γ BUTYROLACTONE
Frank D. Pickel, Flemington, N. J., and Jacob I. Fass and Saul Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application July 4, 1945, Serial No. 603,283
7 Claims. (Cl. 260—344)



3. As a new compound a salt selected from the group consisting of an l-ephedrine salt of d-α-γ dihydroxy β,β dimethyl butyric acid and an l-ephedrine salt of l-α-γ dihydroxy β,β dimethyl butyric acid.

6. A process for the resolution of racemic α hydroxy β,β dimethyl γ butyrolactone which comprises reacting the aforesaid lactone with l-ephedrine to form an l-ephedrine derivative of l-α-γ dihydroxy β,β dimethyl butyric acid and an l-ephedrine derivative of d-α-γ dihydroxy β,β dimethyl butyric acid at a temperature below the decomposition temperatures of said ephedrine derivatives, dissolving the reaction products in a solvent for said ephedrine derivatives, removing the l-ephedrine derivative of l-α-γ dihydroxy β,β dimethyl butyric acid from the solution by crystallization, removing the solvent from the solution comprising mainly crude l-ephedrine derivative of d-α-γ dihydroxy β,β dimethyl butyric acid, lactonizing the l-ephedrine d-α-γ dihydroxy β,β dimethyl butyric acid to produce crude l-α hydroxy β,β dimethyl γ butyrolactone, dissolving the crude l-lactone in a solvent for the l-lactone and cooling the solution to crystallize substantially pure l-α hydroxy β,β dimethyl γ butyrolactone therefrom.

2,460,241
BASIC LEAD SULFATE PIGMENT
Adrian Richard Pitrot, Hempstead, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 5, 1947, Serial No. 726,741
7 Claims. (Cl. 106—297)

3. A process for manufacturing basic lead sulphate-alumina pigment which comprises forming an intimate mixture of finely divided basic lead sulphate and an aluminum compound which on heating produces aluminum oxide in amount as to produce between about 2% and about 10% aluminum oxide in the mixture and heating the mixture at a temperature of between about 900° C. and about 1000° C. until chemico-physical combination is effected.

2,460,242
METHOD OF MAKING MODEL DUPLICATES
Harold E. Renaud, Lansing, Mich., assignor to Renaud Plastics, Inc., Lansing, Mich., a corporation of Michigan
Application December 6, 1946, Serial No. 714,591
5 Claims. (Cl. 18—58)

1. The method of making a replica of a portion of a three dimensional object which comprises providing a model of said portion, forming a mold from said model using the latter as a pattern, providing a rigid substantially shrink free core smaller in all dimensions than said mold, suspending said core in said mold in spaced relation to the walls thereof, thereafter pouring fluid non-metallic thermo-setting plastic into said mold to cover said core and fill the spaces between the core and the walls of the mold, hardening said plastic to form a solid casting, and subsequently removing said casting from the mold.

2,460,243
PRODUCTION OF NITRO OLEFINES
Charles William Scaife, Norton-on-Tees, and Arthur Ernest Wilder Smith, Wallingford, England, and Harold Baldock, deceased, late of Norton-on-Tees, England, by Herbert Baldock, legal representative, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application December 10, 1945, Serial No. 634,147. In Great Britain December 11, 1944
2 Claims. (Cl. 260—644)

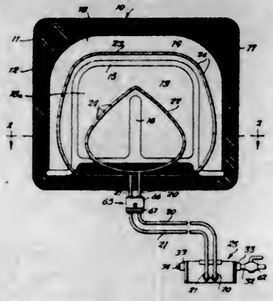
2. A process for the production of nitro-aliphatic olefines containing from four to eight carbon atoms which comprises reacting a nitrate of a saturated nitro-aliphatic hydrocarbon of from four to eight carbon atoms, in which the nitro and nitrate groups are on adjacent carbon atoms, the former carbon atom also having a hydrogen atom attached thereto, in an aqueous medium with a substance selected from the group consisting of alkali metal carbonates, bicarbonates, hydroxides; alkaline earth metal carbonates, bicarbonates, hydroxides; and ammonium carbonate, bicarbonate, hydroxide.

2,460,244
BED TABLE
Carol Lewis Strauss, Bangor, Maine
Application January 15, 1944, Serial No. 518,313
3 Claims. (Cl. 311—27)

1. A bed table for a bed having a longitudinal rail and a mattress support above the bed rail, said table comprising a clamp on the bed rail, means to tighten and loosen said clamp, said clamp being rotatable about the bed rail in a plane transverse thereto, a member secured to the clamp, a sleeve on the member disposed at right angles to the bed rail, a standard in the sleeve for rotary and longitudinal adjustment therein, means to clamp the former to the latter in adjusted position, a laterally extending projection at one end of the standard, a pivot pin in the projection, said pin being spaced from the standard,

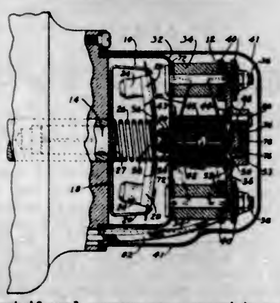
a rod pivoted to the projection on the pin and being supported on the end of the standard for location at right angles thereto or selectively swingable on the pin through approximately three-quarters of a turn to lie alongside of and parallel to the standard, a table element on the rod, and means providing for rotation of the table element on said rod as an axis.

2,460,245
MASSAGING APPARATUS OR THE LIKE
Donald V. Summerville, Fort Erie, Ontario, Canada, assignor to Acromat Products Company, Inc., Buffalo, N. Y.
Application May 26, 1945, Serial No. 595,929
8 Claims. (Cl. 128—33)



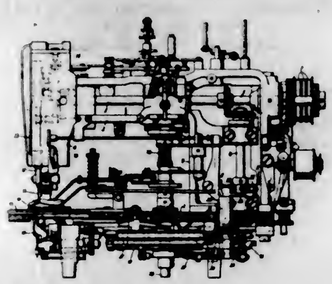
1. An apparatus of the character described comprising an element having adjacent fluid pressure-confining cells adapted to support a person's body, each of said cells having a flexible top wall, means for supplying fluid under pressure to said cells, and valve mechanism admitting the pressure fluid to one cell while exhausting it from the adjacent cell thereby producing out of phase fluid pressure pulsations in said adjacent cells, and including an actuator subject to the pressures in said cells and operable upon a predetermined maximum pressure in either one of said cells to shift said valve mechanism to exhaust pressure fluid from said one cell and admit pressure fluid to the other cell.

2,460,246
SPEED-RESPONSIVE RHEOSTAT
Fred P. Vacha, Atlantic, Mass., assignor, by mesne assignments, to Redmond Company, Inc., a corporation of Michigan
Application April 7, 1945, Serial No. 587,103
16 Claims. (Cl. 201—51)



1. A centrifugal governor comprising a rotary unit provided with a centrifugal weight, a pressure-responsive resistance device, a stationary spring acting on the resistance device, the rotary unit having spring means variably opposing said stationary spring in the running range, and means independent of the running range control for applying pressure to the resistance under starting conditions.

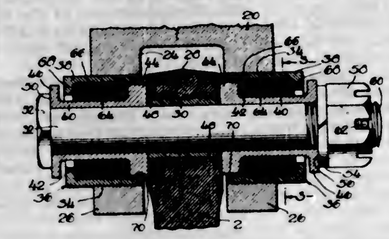
2,460,247
SEWING-MACHINE CLUTCH
Alfred R. Wood, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Original application July 15, 1944, Serial No. 545,035. Divided and this application June 12, 1945, Serial No. 599,061
8 Claims. (Cl. 74—126)



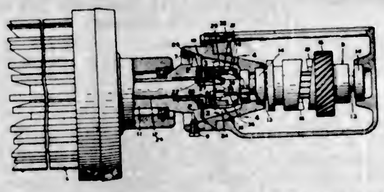
1. A driving mechanism of the class described, including an intermittent clutch having a driven element and a driving element having an advancing stroke and a return stroke, means for imparting the advancing and return strokes to said driving element, and a brake applying member engageable with said driven element for exerting a minimum of braking pressure at the beginning of the advancing stroke and a maximum of braking pressure at the termination of the advancing stroke, said brake applying member having one end stationary and its other end continuously connected to said driving element actuating means.

2,460,248
HANGER SUPPORT
Walter H. Baselt, Flossmoor, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 1, 1945, Serial No. 626,021
15 Claims. (Cl. 188—209)

1. In a railway car truck, a frame having a brake hanger bracket comprising spaced depending supports, a brake hanger extending between said supports, a pivot member extending through aligned openings in said supports and said hanger, bushings in the openings in said supports and sleeved over said member, each of said bushings comprising a pair of telescoping tubular elements, and resilient means compressed therebetween, the outer elements of said bushings being fixed to the associated supports and having an inwardly directed annular flange at one end thereof, the inner elements of said bushings having an annular flange at one end thereof cooperating with said inwardly directed flange to position said resilient means therebetween, a pair of annular plates sleeved over said pivot member at opposite ends thereof and having abutment with the adjacent other ends of said inner elements, and abutment means on said pivot member in engagement with said plates and urging said inner elements into engagement with opposite sides of said hanger, whereby said hanger, said inner elements and said pivot member are rotatable as a unit during movement of said hanger relative to said bracket, said resilient means being placed in shear during such movement.



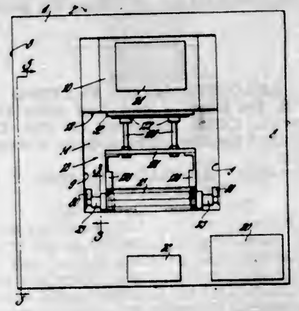
2,460,249
SHAFT COUPLING
Richard F. Bergmann, Winnetka, Ill., assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application September 10, 1942, Serial No. 457,806
2 Claims. (Cl. 64—9)



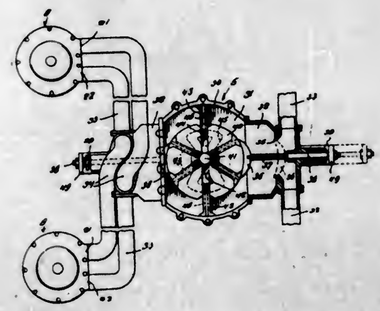
1. In combination, a thread-advancing store device including a rotatable shaft, a drive shaft for actuating said thread-advancing thread store device, a sleeve coupling comprising a sleeve having within it a pair of movable shaft receiving hub members for connecting said shafts, means for retaining said hub members in said sleeve, one of said hub members being adapted to receive one of said shafts and adapted to be demountably secured thereto, and the other of said hub members being provided with an axially extending bore in which are disposed at least two spaced blade members extending transversely of said bore and between which blade members an end of one of the shafts may be slidably inserted.

2,460,250
ABRASIVE APPARATUS
Earle M. Chase, Springfield, Mass., assignor to Porter-McLeod Machine Tool Co., Inc., Hatfield, Mass., a corporation of Massachusetts
Application April 14, 1947, Serial No. 741,353
6 Claims. (Cl. 51—84)

1. A machine of the class described comprising in combination, spaced pairs of relatively movable roll supports, a pair of rolls, engageable connections between opposite ends of the rolls and the supports of the pairs thereof, separate means at opposite ends of said rolls for driving one of them, independent pressure operated means at opposite ends of the rolls operatively connected to said supports for moving the supports of the pairs towards and away from one another, holder supporting means, a holder for a plurality of depending work pieces disposed between said rolls, actuating means for moving said holder supporting means up and down and back and forth whereby work pieces therebetween are moved longitudinally of the rolls and in planes at right angles thereto.



2,460,251
VARIABLE CAPACITY ROTARY PUMP
Pascual M. Dias, San Antonio, Tex.; Mary Louise Dias administratrix of said Pascual M. Dias, deceased
Original application January 13, 1944, Serial No. 518,139. Divided and this application July 21, 1944, Serial No. 547,341
2 Claims. (Cl. 103—120)



1. In a fluid drive unit, a housing, a rotor chamber, a plurality of fluid chests in communication with the chamber, an inlet and outlet port for each chest, a power shaft centrally journaled in the housing, a rotor secured to the shaft, a plurality of radially slidable blades on the shaft for engaging with the walls of the chamber, a gate in each chest slidable between the inlet and outlet ports for engagement with the rotor, a plurality of rollers carried by the blades, the housing having a plurality of cam grooves to receive the rollers whereby to impart radially sliding

movement to the blades during rotation of the rotor for clearing the gates, a plurality of arms slidably mounted on the housing and connected to the gates, rollers carried by the arms, a plurality of bell crank levers pivotally mounted on the housing and engaging the arm rollers, means for moving the crank levers to simultaneously operate the gates, and a dashpot connected to the last-claimed means for operating the gates gradually.

2,460,252
LEAD-TIN ALLOY PLATING
Arthur H. Du Rose, Euclid, and John D. Little, Lakewood, Ohio, assignors to The Harshaw Chemical Company, Elyria, Ohio, a corporation of Ohio
No Drawing. Application February 9, 1946, Serial No. 646,712
5 Claims. (Cl. 204—43)

1. An aqueous, acid lead-tin plating solution essentially consisting of from 100 to 400 grams per liter combined concentration of lead and tin ions, negative ions of the class consisting of fluoborate and sulfamate and an addition agent effective to cause increased deposition of tin in proportion to lead deposited, the concentration of tin ions being from 1% to 5% of the combined weight of lead and tin ions, and said addition agent being present to the extent of from 0.2 to 5 grams per liter and being selected from the class consisting of resorcinol, catechol, hydroquinone, pyrogallol, phloroglucinol, phenol, naphthol, cresol, 3,4 dihydroxydiphenyl, orthobromophenol, p-amino phenol and o-amyl phenol.

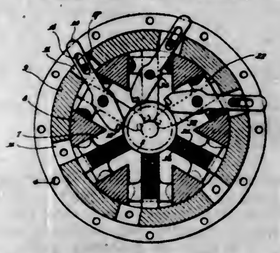
2,460,253
LADY'S DRESS GARMENT
Charlotte Goldstein, New York, N. Y., assignor to Laurel Fashions, Inc., a corporation of New York
Application October 14, 1948, Serial No. 54,373
10 Claims. (Cl. 2—105)

1. A lady's garment of the character described having a front presenting a V-shaped neckline, a pair of substantially pointed wings unitary with said front, each wing having a root substantially the entire width of which extends along the corresponding side of said V-shaped neckline, said wings being of length such as to admit of tying their pointed ends together at the back of the neck.

6. A lady's garment of the character described, comprising a back panel, and a front panel having sleeve openings therebetween, said panels being laterally stitched together along substantially the height thereof other than said sleeve openings and being further stitched together at their upper parts to form shoulder seams, the flattened extended front panels each having an upwardly directed wedge shaped wing, said wings in the flattened extended garment having continuous upright edges rising from the mid-point of the front panel which determines the vertex of a V-neck, and having oblique outer edges curved inward from the neck end of the respective shoulder seams and thence directed obliquely upward to an acute apex with respect to the corresponding inner upright edge, the extremities of the upright edges of the wedge shaped wings being nearly equidistant from the neck end of the corresponding shoulder seam.

10. A lady's garment of the character described, comprising a back panel, a pair of bias-cut front panels stitched together along the vertical midline of the garment, said garment having a V-neck line, said vertical mid-line terminating at the vertex of said neckline, each of said front panels having a wing unitary therewith, each of said wings having its root extending obliquely from the said vertex to the side of the neckline, the inner edges of said wings extending substantially upward from said mid-line in juxtaposed relationship when the garment is laid flat upon a table, the outer edges of said wings being substantially straight for the major portion of the length thereof and merging at their root ends with the sides of the neckline, said outer edges extending at an acute angle with respect to said inner edges for a pointed tip of each wing, said wings being of length such as to admit of being tied together at their pointed ends about the back of the neck.

2,460,254
UNIVERSAL GRIPPER HEAD
Edwin D. Greer, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 13, 1947, Serial No. 768,439
5 Claims. (Cl. 279—34)



5. Apparatus for gripping cylindrical blanks, comprising a frame provided with a central transverse opening for receiving a cylindrical blank and with a plurality of radial passages, a bracket slidably mounted in each of said passages, a radially disposed arm pivotally mounted in each bracket and formed at its inner end to grip a cylindrical blank, said brackets each having a face provided with spiral threads, the outer portions of each bracket forming a box that slidably engages the walls of one of said passages, the inner portion being reduced in width and forming legs in which one of said arms is pivotally supported, an inner ring rotatably carried in said frame and having a face provided with spiral threads engaging those of said bracket, said threaded engagement being adapted upon rotation of said inner ring to move said brackets radially in said passages for adjusting said arms for gripping blanks of different diameter, an outer ring rotatably carried in said frame and provided with a plurality of annularly spaced openings, the outer ends of said arms being slotted and extending through said openings, and transverse pins mounted in said outer ring and projecting through said slots, said outer ring being rotatable simultaneously to swing the arms to and from blank gripping position.

2,460,255
ALLYL ETHER OF ANACARDIC MATERIALS, BODIED PRODUCTS THEREOF, AND NOVEL COMPOSITIONS AND FRICTION ELEMENTS PRODUCED THEREWITH
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application December 1, 1944, Serial No. 566,242
10 Claims. (Cl. 260—23)

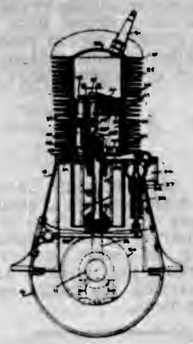
1. Allyl ether of a liquid anacardic material selected from the group consisting of cashew nut shell liquid and its polymers, distillates of cashew nut shell liquid and their polymers, said distillates having a boiling point of approximately 225° C. at 10 mm. of mercury pressure, residues of cashew nut shell liquid obtained by heating cashew nut shell liquid until the quantity by weight of the residue is between 25% to 75% by weight of the cashew nut shell liquid and the polymers of said residues.

2,460,256
REACTION PRODUCTS OF AN ALDEHYDE WITH ALLYL ETHER OF ANACARDIC MATERIAL
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application January 8, 1945, Serial No. 571,958
13 Claims. (Cl. 260—18)

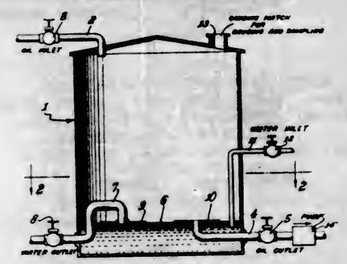
1. A resinous organic reaction product of (1) a material selected from the group consisting of formaldehyde, paraformaldehyde, hexamethylene tetramine, furfuraldehyde, trioxymethylene, glyoxal, acetaldehyde, acrolein and polymerized acrolein and (2) an aldehyde-reactive product produced by heating allyl ether of a liquid anacardic material selected from the group consisting of cashew nut shell liquid and its polymers, distillates of cashew nut shell liquid and their polymers, said distillates having a boiling point of approximately 225° C. at 10 mm. of mercury pressure, residues of cashew nut shell liquid obtained by heating cashew nut shell liquid until the quantity by weight of the residues is between 25% to 75% by weight of the cashew nut shell liquid and the polymers of said residues.

2,460,257
INTERNAL-COMBUSTION ENGINE
Harry O. Hedges, Philadelphia, Pa., assignor to Hedges Motor Company, Seattle, Wash., a corporation of Washington
Application June 26, 1945, Serial No. 601,585
8 Claims. (Cl. 123—74)

6. In a two cycle engine, in combination, a closed cylinder having an explosion chamber at one end thereof and a fuel intake chamber at its opposite end, said cylinder also having diametrically opposed air inlet and exhaust ports in the wall thereof, a hollow piston reciprocally operative in said cylinder, said piston having oppositely closed heads, an internal baffle within said hollow piston extending diametrically thereof with the one end of said baffle contiguous to the head of the piston adjoining the fuel intake chamber of the cylinder and the opposite end of said baffle spaced from the head of the piston adjoining the explosion chamber of the cylinder, the wall segments of said piston to either side of said internal baffle having openings therein for respective registry with said air inlet and exhaust ports in the wall of the cylinder.



2,460,258
TANK PUMP-OUT METHOD
Philip H. Jones, Redondo Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 20, 1944, Serial No. 564,372
7 Claims. (Cl. 210—51)



1. The method of pumping oil from an oil storage tank having a water out line and an oil pump out line with horizontal openings in the tank at the same elevation above the bottom of the tank, comprising introducing water into the tank in sufficient quantities so as to create a water level even with the elevation of the two horizontal openings, filling the tank with oil, allowing at least some of the water contained in said oil to settle, draining water level down to the elevation of the two horizontal openings, closing water drain, and pumping dry oil out of the tank.

2,460,259
METHOD OF PROTECTING SYSTEMS FOR TRANSPORTING MEDIA CORROSIVE TO METAL
Harry Lewis Kahler, Feasterville, Pa., assignor to W. H. and L. D. Betz, Philadelphia, Pa., a firm
Application January 22, 1946, Serial No. 642,709
7 Claims. (Cl. 117—97)

1. The method of protecting the metal contacting surfaces in a continuously flowing system

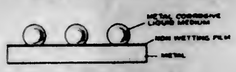
for transporting aqueous media having corrosive

2,460,261

band, and an outsole making flat contact with the

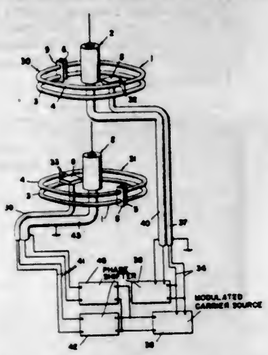
thereon and having apertures therethrough, a principal playing piece for movement around the

for transporting aqueous media having corrosive qualities which comprises the step of adding to the transporting media an aliphatic compound taken from a group consisting of the high molecular weight amines, amine salts, and amine oxides, having straight carbon chains in which the straight carbon chains contain from 10 to 18 carbon atoms in concentrations of not more



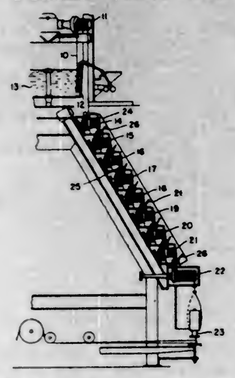
than 100 P. P. M., the media having a pH of not more than 8, the amount of compound being sufficient to form on the surfaces of the system a uniform film having the characteristics of being mono-molecular, of being non-wetting and capable of blocking the corrosive action of the media and conveying the media sufficiently to allow the film to form.

2,460,260
ANTENNA FOR RADIATING CIRCULARLY POLARIZED WAVES
Paul J. Kibler, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application October 3, 1945, Serial No. 619,995
5 Claims. (Cl. 250—33.53)



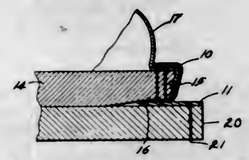
1. A high frequency directive antenna array comprising two stacked antenna systems each having a horizontal radiator including a plurality of conductors arranged horizontally with a common vertical axis, connected together at their ends and forming each a peripherally incomplete loop, one of said conductors being open at its mid point to provide a pair of terminals, said horizontal radiator having an effective electrical length substantially equal to one-half wavelength at said high frequency, a first transmission line connected to said terminals for transfer of high frequency energy between said horizontal radiator and said first line; each of said two antenna systems further having a vertical radiator including a dipole conductor arranged vertically along said common axis, said vertical radiator having an effective electrical length substantially equal to one-half said wavelength, and a second transmission line connected to said vertical radiator for transfer of high frequency energy between said vertical radiator and said second line, the terminals of said two horizontal radiators being arranged opposite to each other in a vertical plane passing through said common axis.

2,460,261
APPARATUS FOR THE FLUID TREATMENT OF THREAD OR THE LIKE
Kenneth M. McLellan, Cleveland, Ohio, assignor to Industrial Rayon Corporation, Cleveland, Ohio, a corporation of Delaware
Application July 24, 1944, Serial No. 546,394
4 Claims. (Cl. 68—200)



2. In combination with an apparatus for handling thread or the like including a panel, a plurality of adjacent downwardly extending series of thread-advancing thread store devices mounted on said panel, a plurality of troughs having substantially U-shaped frames on said panel and under said thread store devices for carrying away processing fluids; a dividing partition positioned between each vertical series of said thread-store devices notched to prevent its vertical slippage, the notches adapted to fit the upper forward edges of said trough frames, means on the trough frames for holding the partition against vertical displacement, and stationary split guides fixed on said trough frames for lateral support of said partition.

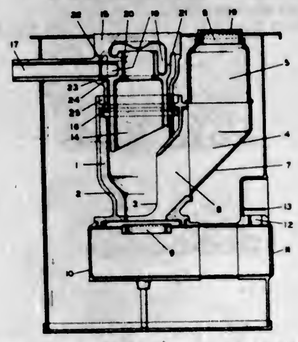
2,460,262
SHOE WITH SOLE EDGE BINDING AND WELT
William L. Mills, Keene, N. H., and Frederick W. Kruger, Worcester, Mass., assignors to Sealed Seam Welt Process, Inc., Boston, Mass., a corporation of Massachusetts
Application November 15, 1945, Serial No. 628,762
1 Claim. (Cl. 36—16)



A welt shoe having an unchanneled insole beveled about its outer marginal face, an upper with an out-turned margin stitched to the edge of the insole by a line of vertical stitching, a composite binding and welt strip stitched to the edge of the insole by a line of vertical stitching located inside the upper-attaching stitching and passing completely through the insole, said composite strip including a binding band wrapped about the edge of the insole and a single-ply welt strip stitched to the binding band and lying with its inner edge outside the inner edge of the binding

band, and an outsole making flat contact with the insole and the welt strip and stitched thereto by a line of stitching located outside the outer contour of the binding band.

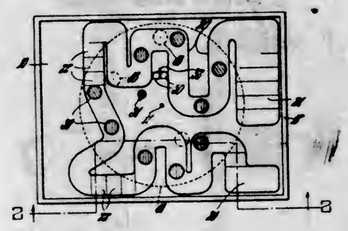
2,460,263
KITCHEN RANGE
Olof Ollert, Stockholm, Sweden
Application November 5, 1945, Serial No. 626,874
In Sweden November 11, 1944
1 Claim. (Cl. 126—10)



In a stove means forming a combustion chamber, a metal cooking plate disposed above said chamber, a tubular flange integral and extending downwardly from said plate, a tubular member spaced from said combustion chamber and integrally connected circumferentially at an intermediate point thereof to the lower end of said flange, the lower portion of said tubular member extending into said combustion chamber and the upper portion of said member being of less diameter than said flange and extending upwardly within the flange and spaced therefrom to form therewith an annular passage, the upper end of said upper portion being spaced below said plate to provide communication between the interior of said tubular member and said annular passage, said plate having a supporting surface radially outside said flange and substantially at the same level as the upper end of said tubular member, and a flue connected to said annular passage.

2,460,264
ROTATABLE GAME BOARD AND PIECE THEREFOR
James M. Prentice, South Hadley, James Robert Umbach, Longmeadow, and Kenwood Ross, Springfield, Mass., assignors to The Electric Game Company, Holyoke, Mass., a corporation of Massachusetts
Application November 29, 1947, Serial No. 788,940
6 Claims. (Cl. 273—134)

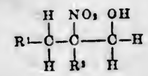
4. A game apparatus comprising, a horizontal game board having a playing path delineated thereon and having apertures therethrough, a principal playing piece for movement around the path of said game board having a neck portion adapted for seating in the apertures in said game board and having an opening extending therethrough, a secondary playing piece receivable in the opening in said principal playing piece and movable downwardly therethrough, and a movably mounted member beneath said game board



having apertures therethrough with certain of the apertures being registrable with certain of the apertures of said game board as said movably mounted member is moved relative to said game board, all adapted and arranged whereby said secondary playing piece disposed in said principal playing piece may be permitted to pass downwardly therethrough and through the registered apertures of said game board and said movably mounted member.

2,460,265
ARYLALKYLNITROALCOHOLS
John B. Tindall, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application June 27, 1945, Serial No. 601,944
4 Claims. (Cl. 260—618)

4. As new compositions of matter γ-phenyl-β-nitroalkanols having the following structure:



wherein R^1 represents a member selected from the group consisting of phenyl and alkylated phenyl radicals and R^2 represents a member selected from the group consisting of hydrogen and alkyl radicals.

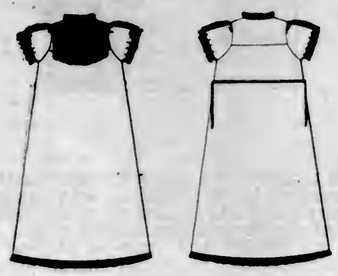
152,452
DESIGN FOR AN ASH TRAY

152,454
DESIGN FOR A BRACELET OR THE LIKE

DESIGNS

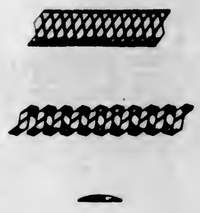
JANUARY 25, 1949

152,448
DESIGN FOR A LADY'S NIGHTGOWN
Paul J. Balog, North Hollywood, Calif.
Application March 6, 1948, Serial No. 144,941
Term of patent 7 years
(Cl. D2—26)



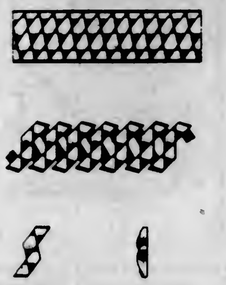
The ornamental design for a lady's nightgown, as shown.

152,449
DESIGN FOR AN EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Joseph M. Bender, Manhasset, N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application February 24, 1947, Serial No. 137,116
Term of patent 7 years
(Cl. D45—4)



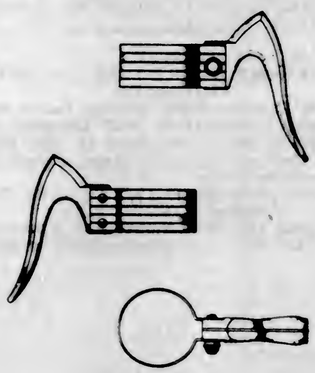
The ornamental design for an expansible link chain for a bracelet or the like, as shown.

152,450
DESIGN FOR AN EXPANSIBLE LINK CHAIN FOR A BRACELET OR THE LIKE
Joseph M. Bender, Manhasset, N. N. Y., assignor to Jacoby-Bender, Inc., New York, N. Y., a corporation of New York
Application November 14, 1947, Serial No. 142,530
Term of patent 7 years
(Cl. D45—4)



The ornamental design for an expansible link chain for a bracelet or the like, as shown.

152,451
DESIGN FOR A COMBINED COLLAR AND HANDLE FOR A COFFEE MAKER BOWL OR THE LIKE
Herbert G. Blakeslee, Evanston, Ill., assignor to Cory Corporation, Chicago, Ill., a corporation of Delaware
Application December 28, 1946, Serial No. 135,812
Term of patent 14 years
(Cl. D44—16)



The ornamental design for a combined collar and handle for a coffee maker bowl or the like, as shown.

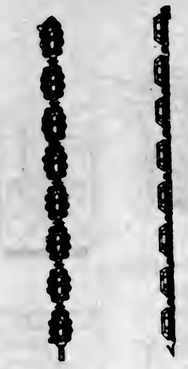
152,452
DESIGN FOR AN ASH TRAY
Boris Blecher, Philadelphia, Pa.
Application November 1, 1946, Serial No. 134,444
Term of patent 14 years
(Cl. D85—2)

The ornamental design for an ash tray, as shown.

152,453
DESIGN FOR A BRACELET OR THE LIKE
Herman Bogoff, Chicago, Ill.
Application December 6, 1947, Serial No. 142,989
Term of patent 7 years
(Cl. D45—4)

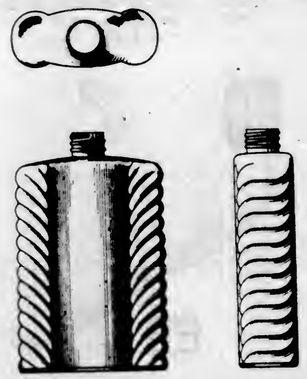
The ornamental design for a bracelet or the like, substantially as shown.

152,454
DESIGN FOR A BRACELET OR THE LIKE
Herman Bogoff, Chicago, Ill.
Application December 6, 1947, Serial No. 142,990
Term of patent 7 years
(Cl. D45—4)



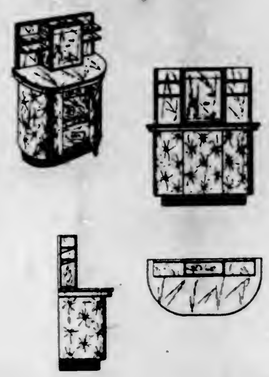
The ornamental design for a bracelet or the like, substantially as shown.

152,455
DESIGN FOR A BOTTLE
Julius Braun, Chicago, Ill., assignor to W. Braun Co., Chicago, Ill., a copartnership consisting of Julius Braun, Morris Braun, and Eve C. Erenberg
Application July 19, 1947, Serial No. 140,398
Term of patent 14 years
(Cl. D58—8)



The ornamental design for a bottle, substantially as shown.

152,456
DESIGN FOR A CONSOLE BAR WITH AQUARIUM
Mac Buxbaum and Moe Lebensfeld, Flushing, N. Y.
Application March 5, 1947, Serial No. 137,382
Term of patent 3½ years
(Cl. D33—19)

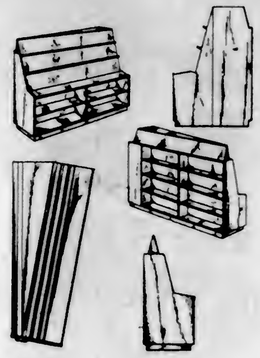


The ornamental design for a console bar with aquarium, as shown.

152,457
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application July 19, 1947, Serial No. 140,408
Term of patent 7 years
(Cl. D45—9)

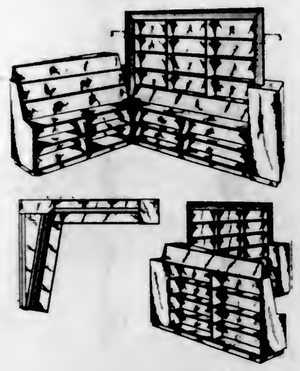
The ornamental design for an earring or similar article, substantially as shown.

152,458
DESIGN FOR A BOOKSTAND
James Stott Dawson, New York, N. Y.
Application July 27, 1946, Serial No. 132,038
Term of patent 7 years
(Cl. D80—9)



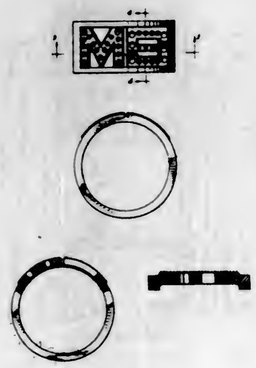
The ornamental design for a bookstand, substantially as shown.

152,459
DESIGN FOR A BOOKSTALL
James Stott Dawson, New York, N. Y.
Application July 27, 1946, Serial No. 132,039
Term of patent 7 years
(Cl. D80—9)



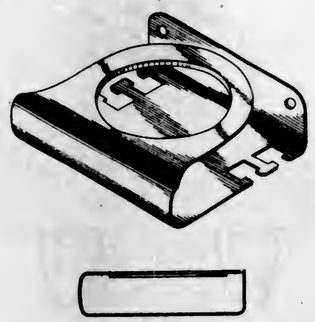
The ornamental design for a bookstall, substantially as shown.

152,460
DESIGN FOR A WEDDING RING
Sydney Davis Dunovitz, Brooklyn, N. Y.
Application June 16, 1948, Serial No. 146,999
Term of patent 7 years
(Cl. D45—10)



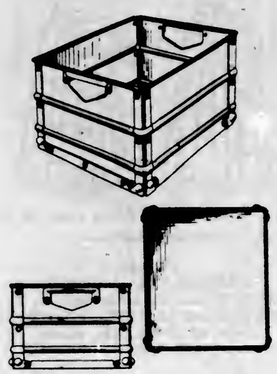
The ornamental design for a wedding ring, as shown and described.

152,461
DESIGN FOR A TOOTHBRUSH AND GLASS HOLDER
George E. Elliott, Birmingham, Ala.
Application October 18, 1946, Serial No. 134,044
Term of patent 7 years
(Cl. D4—3)



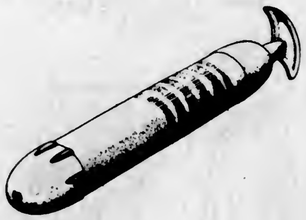
The ornamental design for a toothbrush and glass holder, as shown.

152,462
DESIGN FOR A MILK BOTTLE CASE OR SIMILAR ARTICLE
Ernest R. Erickson, Des Moines, Iowa
Application June 19, 1947, Serial No. 139,814
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a milk bottle case or similar article, substantially as shown.

152,463
DESIGN FOR A LUBRICANT DISPENSING DEVICE
Richard P. Field, Cincinnati, Ohio, assignor to Balcrank, Inc., Disney, near Marburg, Cincinnati, Ohio, a corporation of Ohio
Application January 14, 1947, Serial No. 136,142
Term of patent 7 years
(Cl. D46—1)



The ornamental design for a lubricant dispensing device, substantially as shown and described.

152,464
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,092
Term of patent 3½ years
(Cl. D3—4)

The ornamental design for a coat, as shown.

152,465
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,093
Term of patent 3½ years
(Cl. D3—4)

The ornamental design for a coat, as shown.

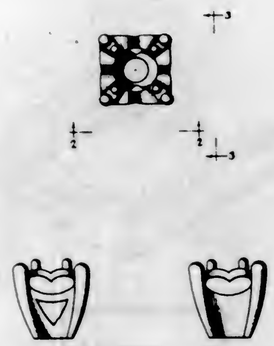
152,466
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,096
Term of patent 3½ years
(Cl. D3—4)

The ornamental design for a coat, as shown.

152,467
DESIGN FOR A COAT
Joseph Frumkes, Harrison, N. Y.
Application October 12, 1948, Serial No. 149,097
Term of patent 3½ years
(Cl. D3—4)

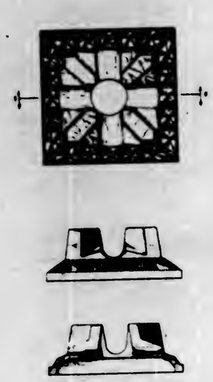
The ornamental design for a coat, as shown.

152,468
DESIGN FOR A JEWELRY SETTING OR SIMILAR ARTICLE
Fred J. Gaertner, Maplewood, N. J.
Application May 5, 1947, Serial No. 138,809
Term of patent 14 years
(Cl. D45—1)



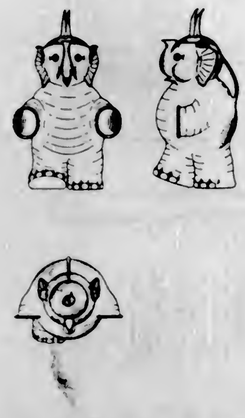
The ornamental design for a jewelry setting or similar article, as shown.

152,469
DESIGN FOR A JEWELRY SETTING
Morris Goodman, Indianapolis, Ind.
Application October 4, 1948, Serial No. 148,950
Term of patent 14 years
(Cl. D45—1)



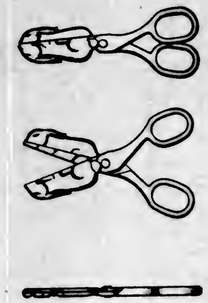
The ornamental design for a jewelry setting, as shown.

152,470
DESIGN FOR A COOKY JAR OR SIMILAR ARTICLE
Nettie E. Graven, Wooster, Ohio
Application November 12, 1947, Serial No. 142,469
Term of patent 14 years
(Cl. D58—25)



The ornamental design for a cooky jar or similar article, substantially as shown.

152,471
DESIGN FOR A PAIR OF SCISSORS
Paul L. Hartnett, Leominster, Mass.
Application March 7, 1947, Serial No. 137,456
Term of patent 7 years
(Cl. D22—5)



The ornamental design for a pair of scissors, as shown.

152,472
DESIGN FOR A BIRD HOUSE
Bertil E. Hawkinson, Duluth, Minn.
Application July 24, 1947, Serial No. 140,490
Term of patent 7 years
(Cl. D31—2)

The ornamental design for a bird house, as shown.

152,473
DESIGN FOR A BIRD HOUSE
Bertil E. Hawkinson, Duluth, Minn.
Application July 24, 1947, Serial No. 140,491
Term of patent 7 years
(Cl. D31—2)

The ornamental design for a bird house, as shown.

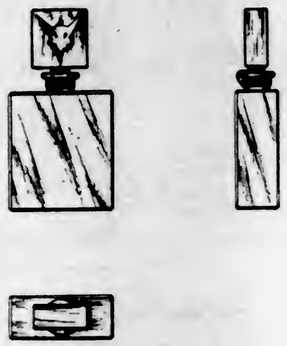
152,474
DESIGN FOR A BIRD HOUSE
Bertil E. Hawkinson, Duluth, Minn.
Application July 24, 1947, Serial No. 140,492
Term of patent 7 years
(Cl. D31—2)

The ornamental design for a bird house, as shown.

152,475
DESIGN FOR A BIRD HOUSE
Bertil E. Hawkinson, Duluth, Minn.
Application July 24, 1947, Serial No. 140,493
Term of patent 7 years
(Cl. D31—2)

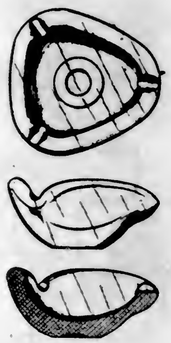
The ornamental design for a bird house, as shown.

152,473
DESIGN FOR A BOTTLE
Jacques Heim, Paris, France
Application February 26, 1947, Serial No. 137,185
Term of patent 3½ years
(Cl. D58—6)



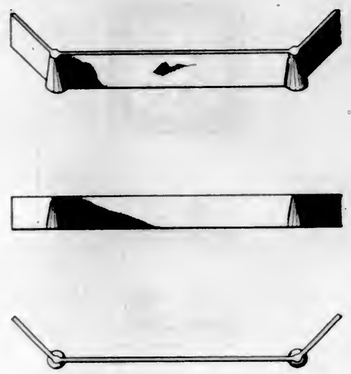
The ornamental design for a bottle, substantially as shown.

152,474
DESIGN FOR AN ASH TRAY
Walter Ture Heintze, Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va., a corporation of West Virginia
Application April 29, 1948, Serial No. 146,043
Term of patent 14 years
(Cl. D85—2)



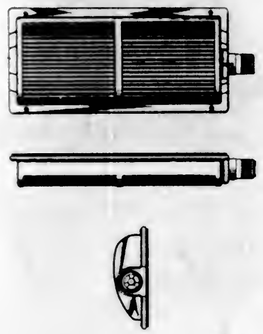
The ornamental design for an ash tray, as shown.

152,475
DESIGN FOR AN ARTICLE HOLDING GUARD OR THE LIKE
Otto W. Hueter, Toledo, Ohio
Application August 10, 1948, Serial No. 148,020
Term of patent 14 years
(Cl. D14—6)



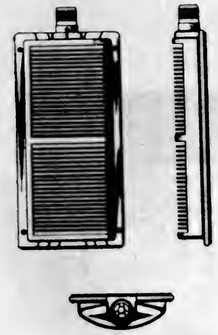
The ornamental design for an article holding guard or the like, as shown and described.

152,476
DESIGN FOR A REGISTER
Ralph D. Huszagh, Chicago, Ill., assignor to Don Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 26, 1948, Serial No. 144,023
Term of patent 14 years
(Cl. D81—21)



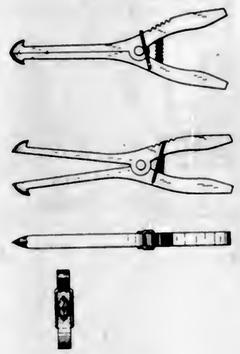
The ornamental design for a register, as shown.

152,477
DESIGN FOR A REGISTER
Ralph D. Huszagh, Chicago, Ill., assignor to Don Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application January 26, 1948, Serial No. 144,024
Term of patent 14 years
(Cl. D81—21)



The ornamental design for a register, as shown.

152,478
DESIGN FOR A FISH MOUTH OPENER OR SIMILAR ARTICLE
Francis H. Hutchinson, Denver, and Cyral T. Walsh, Larimer County, Colo.
Application July 30, 1947, Serial No. 140,624
Term of patent 7 years
(Cl. D11—1)

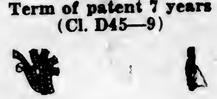


The ornamental design for a fish mouth opener or similar article, as shown.

152,479
DESIGN FOR A CONTAINER CAP
Albert H. Jung, Flushing, N. Y., assignor to Victor Industries Corporation, Brooklyn, N. Y., a corporation of New York
Application October 21, 1947, Serial No. 142,056
Term of patent 14 years
(Cl. D58—26)

The ornamental design for a container cap as shown and described.

152,480
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 149,391
Term of patent 7 years
(Cl. D45—9)



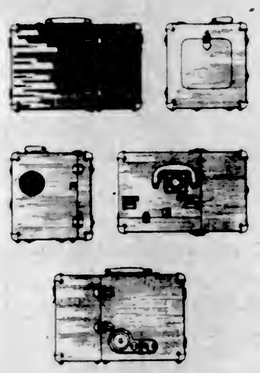
The ornamental design for an earring or similar article, substantially as shown.

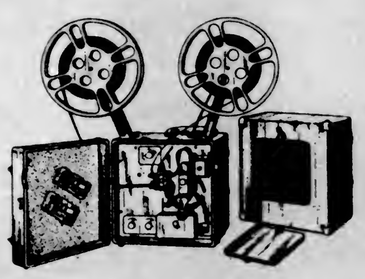
152,481
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application October 29, 1948, Serial No. 149,392
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a separable brooch or similar article, substantially as shown.

152,485

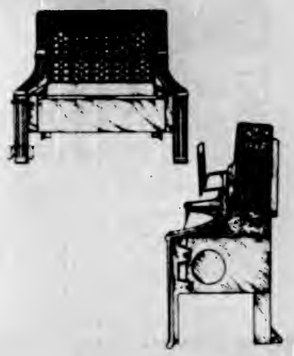
152,482
DESIGN FOR A COMBINED SOUND AND MOTION-PICTURE PROJECTOR AND CARRYING CASE THEREFOR
Osmond Kendall, Ottawa, and Smiley W. Loach, Toronto, Ontario, Canada, assignors to Raymond Allen, Toronto, Ontario, Canada
Application February 26, 1947, Serial No. 137,190
Term of patent 14 years
(Cl. D61—1)

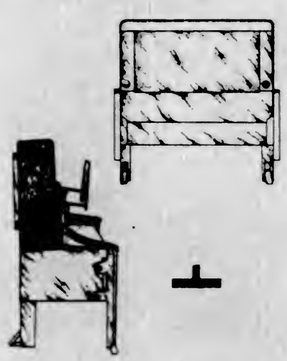




The ornamental design for a combined sound and motion-picture projector and carrying case therefor, as shown.

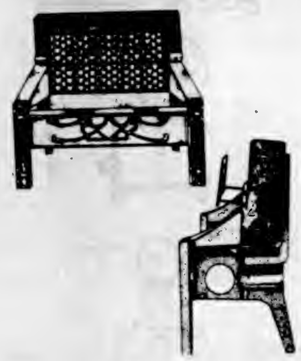
152,483
DESIGN FOR A GAS HEATER
Jay Fred King, Marietta, and Joseph Newman White, Atlanta, Ga., assignors to The Atlanta Stove Works, Inc., Atlanta, Ga.
Application January 26, 1948, Serial No. 144,043
Term of patent 14 years
(Cl. D81—10)





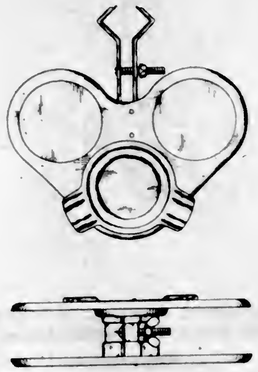
The ornamental design for a gas heater, substantially as shown.

152,484
DESIGN FOR A GAS HEATER
Jay Fred King, Marietta, and Joseph Newman White, Atlanta, Ga., assignors to The Atlanta Stove Works, Inc., Atlanta, Ga.
Application January 26, 1948, Serial No. 144,044
Term of patent 14 years
(Cl. D81—10)



The ornamental design for a gas heater, substantially as shown.

152,485
DESIGN FOR A COMBINED ASH TRAY AND GLASS HOLDER
Ralph T. Leach, Evansville, Ind.
Application March 10, 1947, Serial No. 137,497
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for a combined ash tray and glass holder, substantially as shown.

152,490
DESIGN FOR A LAMP
Ralph Lee Smith, Jr., Chicago, Ill., assignor to Sylvania Electric Products Inc., a corporation of Delaware
Application January 26, 1948, Serial No. 144,045
Term of patent 14 years
(Cl. D26—1)

The ornamental design for a lamp, as shown.

152,492
DESIGN FOR A LAMP
Ralph Lee Smith, Jr., Chicago, Ill., assignor to Sylvania Electric Products Inc., a corporation of Delaware
Application January 26, 1948, Serial No. 144,047
Term of patent 14 years
(Cl. D26—1)

The ornamental design for a lamp, as shown.

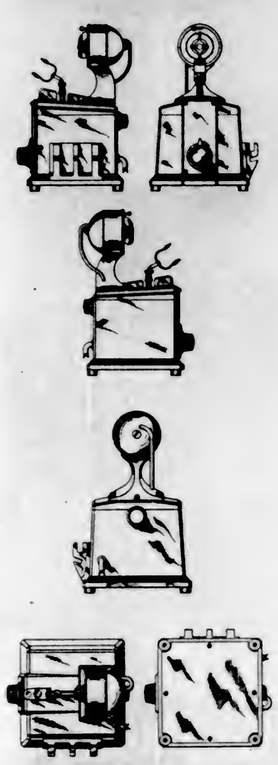
152,486
DESIGN FOR A COMBINED RING AND PERFUME CONTAINER
Elaine Guthrie Lorillard, Providence, R. I., assignor to Ostby & Barton Company, Providence, R. I.
Application September 17, 1948, Serial No. 148,629
Term of patent 7 years
(Cl. D45—10)

The ornamental design for a combined ring and perfume container, substantially as shown.

152,487
DESIGN FOR A SPECTACLE FRAME
Aurel E. Mangold, New York, N. Y.
Application April 12, 1946, Serial No. 128,557
Term of patent 14 years
(Cl. D57—1)

The ornamental design for a spectacle frame, as shown and described.

152,488
DESIGN FOR AN AMALGAM MIXER
Henry E. Meltzer, Racine, Wis.
Application August 1, 1947, Serial No. 140,660
Term of patent 14 years
(Cl. D24—1)



The ornamental design for an amalgam mixer, as shown.

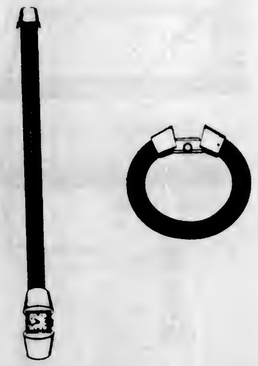
152,489
DESIGN FOR A DRIP CATCHER FOR A BOTTLE
Doris E. O'Brien, Billings, Mont.
Application October 17, 1946, Serial No. 134,005
Term of patent 7 years
(Cl. D58—26)

The ornamental design for a drip catcher for a bottle, as shown and described.

152,490
DESIGN FOR A CHRISTMAS TREE ORNAMENT
Vincent P. O'Brien, Belle Harbor, N. Y.
Application November 27, 1946, Serial No. 135,123
Term of patent 14 years
(Cl. D29—1)

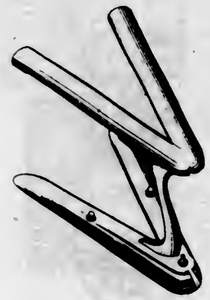
The ornamental design for a Christmas tree ornament, as shown.

152,491
DESIGN FOR A COMBINED WRIST WATCH AND STRAP THEREFOR
Marianne Ostier, New York, N. Y.
Application May 13, 1948, Serial No. 146,338
Term of patent 14 years
(Cl. D42—8)



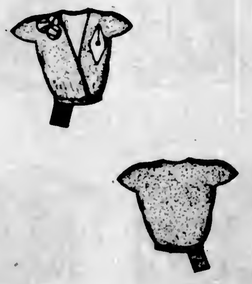
The ornamental design for a combined wrist watch and strap therefor, as shown.

152,492
DESIGN FOR A LAMP
Albert Pfaltz, Flushing, N. Y.
Application September 4, 1947, Serial No. 141,210
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a lamp, substantially as shown.

152,493
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Sam Platt, Brooklyn, N. Y.
Substituted for abandoned application Serial No. 130,701, June 14, 1946. This application December 20, 1947, Serial No. 143,268
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse or similar article, as shown.

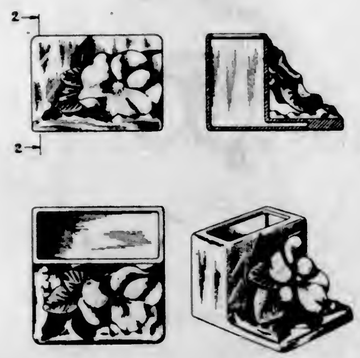
152,498—Continued

152,499—Continued

152,494
DESIGN FOR A CIGARETTE HOLDER OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application January 13, 1948, Serial No. 143,696
Term of patent 14 years
(Cl. D85—2)

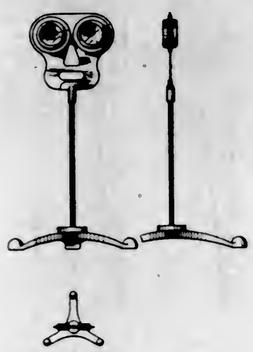
The ornamental design for a cigarette holder or similar article, substantially as shown.

152,495
DESIGN FOR A CIGARETTE HOLDER OR SIMILAR ARTICLE
Clifford Potts, Zanesville, Ohio, assignor to Louis A. Butler and Arvilla K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio
Application January 15, 1948, Serial No. 143,809
Term of patent 14 years
(Cl. D85—2)



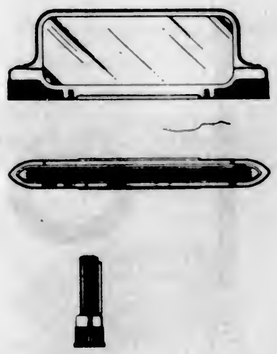
The ornamental design for a cigarette holder or similar article, substantially as shown.

152,496
DESIGN FOR A ROAD SIGNAL OR THE LIKE
Hyman A. Fromack, Chicago, Ill.
Application December 19, 1946, Serial No. 135,609
Term of patent 3½ years
(Cl. D72—1)



The ornamental design for a road signal or the like, as shown.

152,497
DESIGN FOR AN ILLUMINABLE DISPLAY SIGN
Raymond M. Price, Chesterton, Ind., and Lewis E. Peters, Chicago, Ill.; said Peters assignor to said Price
Application November 23, 1946, Serial No. 135,026
Term of patent 14 years
(Cl. D1—12)

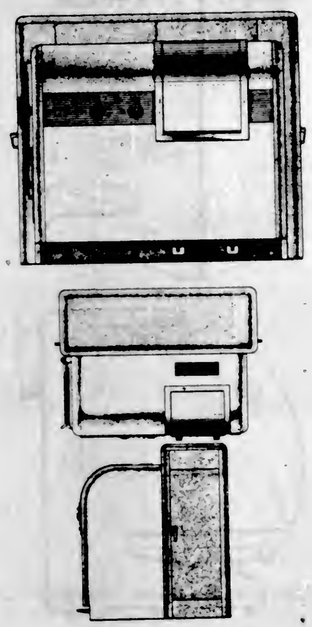


The ornamental design for an illuminable display sign, as shown.

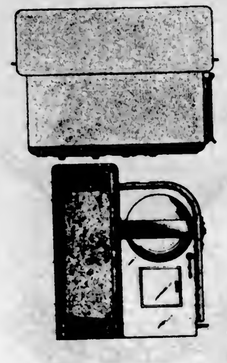
152,498
DESIGN FOR A SMOKER'S PIPE RACK
Edward A. Rosenbaum, Milwaukee, Wis.
Application April 16, 1947, Serial No. 126,427
Term of patent 3½ years
(Cl. D85—3)

The ornamental design for a smoker's pipe rack, substantially as shown.

152,499
DESIGN FOR A CASING FOR DRY CLEANING MACHINES
Peter Schladerman dt, Bronxville, N. Y., and Charles L. Metzler, Palisades Park, and Elvin E. Hallander, West Caldwell, N. J., assignors to International Projector Corporation, Bloomfield, N. J., a corporation of Delaware
Application September 11, 1948, Serial No. 148,553
Term of patent 14 years
(Cl. D49—1)



152,499—Continued



The ornamental design for a casing for dry cleaning machines, as shown.

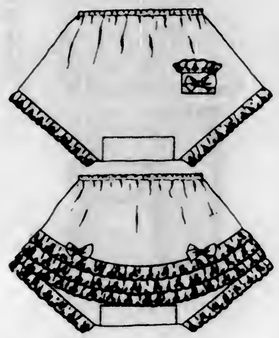
152,500
DESIGN FOR A BALL PENDANT WATCH OR SIMILAR ARTICLE
Ernst G. Schwarz, New York, N. Y.
Application October 26, 1948, Serial No. 149,805
Term of patent 3½ years
(Cl. D42—8)

The ornamental design for a ball pendant watch or similar article, substantially as shown.

152,504—Continued

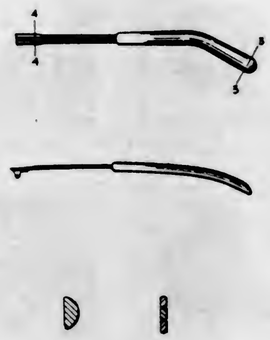
152,506
DESIGN FOR A BLOUSE OR SIMILAR

152,501
DESIGN FOR PANTIES
Anna Mae Sebastian, Cairo, Ill.
Application February 27, 1948, Serial No. 144,779
Term of patent 14 years
(Cl. D3—17)



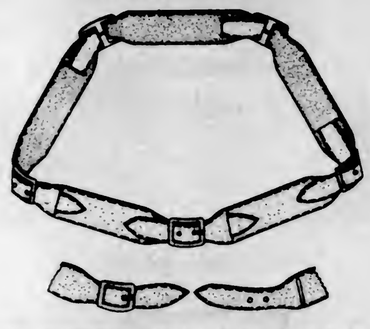
The ornamental design for panties, as shown.

152,502
DESIGN FOR A SPECTACLE TEMPLE
Raymond F. E. Stegeman, Greece, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 12, 1947, Serial No. 142,488
Term of patent 14 years
(Cl. D57—1)



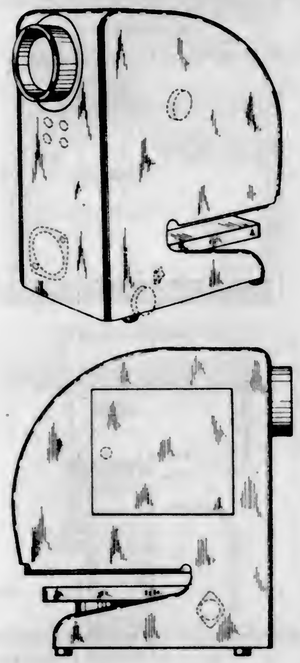
The ornamental design for a spectacle temple, as shown.

152,503
DESIGN FOR AN ADJUSTABLE BELT
Harry Steiner, New York, N. Y.
Application November 13, 1947, Serial No. 142,512
Term of patent 14 years
(Cl. D3—10)



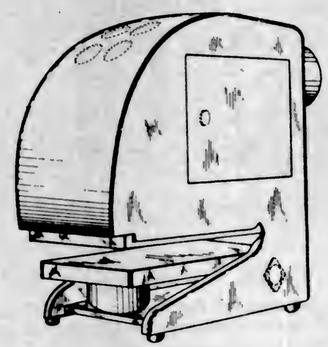
The ornamental design for an adjustable belt, substantially as shown and described.

152,504
DESIGN FOR A PROJECTION APPARATUS
James Y. Taylor and Carl C. Taylor, Garland, Tex., assignors to J. Y. Taylor Company, Garland, Tex., a partnership composed of James Y. Taylor and David D. Simpson
Application August 18, 1948, Serial No. 148,168
Term of patent 14 years
(Cl. D61—1)

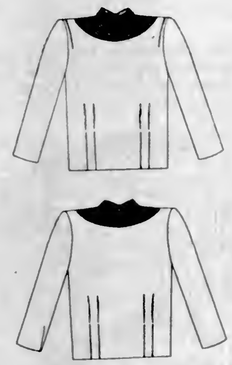


The ornamental design for a projection apparatus, substantially as shown and described.

152,504—Continued

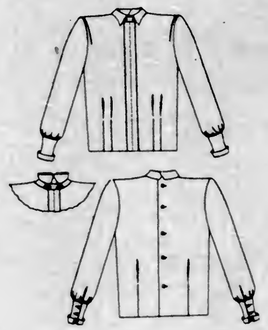


152,505
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Victor Tomshinsky, New York, N. Y.
Application July 13, 1948, Serial No. 147,519
Term of patent 3½ years
(Cl. D3—25)



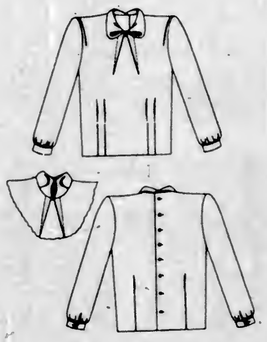
The ornamental design for a blouse or similar article, substantially as shown.

152,506
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Victor Tomshinsky, New York, N. Y.
Application July 13, 1948, Serial No. 147,520
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse or similar article, substantially as shown and described.

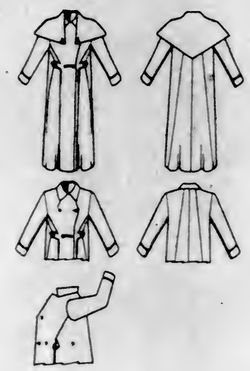
152,507
DESIGN FOR A BLOUSE OR SIMILAR ARTICLE
Victor Tomshinsky, New York, N. Y.
Application July 14, 1948, Serial No. 147,565
Term of patent 3½ years
(Cl. D3—25)



The ornamental design for a blouse or similar article, substantially as shown and described.

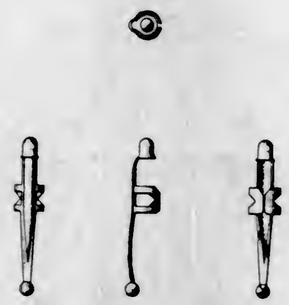
LIST OF TRADE-MARK APPLICANTS

182,508
DESIGN FOR A COAT OR THE LIKE
Robert Trigère, New York, N. Y.
Application September 22, 1948, Serial No. 148,697
Term of patent 3½ years
(Cl. D2—4)



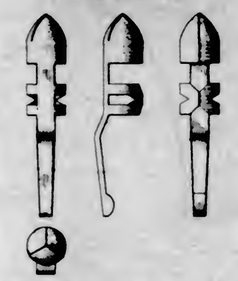
The ornamental design for a coat or the like, substantially as shown and described.

152,509
DESIGN FOR A COMBINED CLIP AND POINT PROTECTOR FOR FOUNTAIN PENS OR THE LIKE
Mauriee J. Waldinger, New York, N. Y.
Application September 5, 1947, Serial No. 141,220
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a combined clip and point protector for fountain pens or the like, as shown.

152,510
DESIGN FOR A COMBINATION CLIP AND CAP FOR BALL PENS OR THE LIKE
Maurice J. Waldinger, New York, N. Y.
Application March 13, 1948, Serial No. 145,066
Term of patent 14 years
(Cl. D74—1)

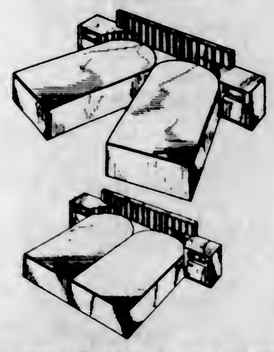


The ornamental design for a combination clip and cap for ball pens or the like, as shown.

152,511
DESIGN FOR A SHOE
Josephine Brintz Whatley, Fluvanna, Tex.
Application July 9, 1948, Serial No. 147,450
Term of patent 7 years
(Cl. D7—7)

The ornamental design for a shoe, substantially as shown.

152,512
DESIGN FOR A COMBINATION TWIN BED UNIT
Truman S. Ziegenfuss, Los Angeles, Calif.
Application April 28, 1947, Serial No. 138,660
Term of patent 14 years
(Cl. D5—4)



The ornamental design for a combination twin bed unit, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

AiResearch Manufacturing Co.: *See*—
Garrett Corporation.

American Felt Company, Glenville, Conn. Weather strip felt. Serial No. 550,205, Jan. 25. Class 12.

Ampco Metal, Inc., Milwaukee, Wis. Rolled and extruded non-ferrous tubing. Serial No. 517,395, Jan. 25. Class 13.

Artype, Incorporated, Chicago, Ill. Letters, symbols, marks, insignia and similar matter capable of conveying intelligence. Serial No. 530,452, Jan. 25. Class 38.

Automotive Utilities, Inc., Chicago, Ill. Carburetors. Serial No. 538,707, Jan. 25. Class 23.

Beggs & Cobb, Incorporated, Boston, Mass. Upper leather. Serial No. 499,689, Jan. 25. Class 1.

Bejean, Etienne, Paris, France. Preparation for the treatment of gout and rheumatism. Serial No. 545,945, Jan. 25. Class 6.

Belmont Hosiery Mills, Belmont, N. C. Ladies' and children's anklets. Serial No. 539,931, Jan. 25. Class 39.

Bewley Mills, Fort Worth, Tex. Wheat flour. Serial No. 520,854, Jan. 25. Class 46.

Bilhuber, E., Inc., Orange, N. J. Chemical compound. Serial No. 551,078, Jan. 25. Class 6.

Blackhawk Mfg. Co., Milwaukee, Wis. Wrenches and twisting tool sets. Serial No. 542,433, Jan. 25. Class 23.

Bornot, Inc., Philadelphia, Pa. Cleaning, dyeing, pressing and storing garments and household goods. Serial Nos. 528,758–9, Jan. 25. Class 55.

Boyer Industries, Inc., Omaha, Nebr. House trailers. Serial No. 556,868, Jan. 25. Class 19.

Brown & Bigelow, St. Paul, Minn. Mechanical pencils. Serial No. 519,459, Jan. 25. Class 37.

Chance, A. B., Company, Centralia, Mo. Electrical apparatus. Serial No. 536,236, Jan. 25. Class 21.

Churchwell, J. H., Company, Jacksonville, Fla. Work pants and work shirts. Serial No. 524,374, Jan. 25. Class 39.

Clark, James E., St. Petersburg, Fla. Artificial fish lures. Serial No. 499,823, Jan. 25. Class 22.

Cleveland Welding Company, The, Cleveland, Ohio. Chairs. Serial No. 566,962, Jan. 25. Class 32.

Clofine, Herbert K., doing business as Herbert K. Clofine, Philadelphia, Pa. Dried milk products for human consumption. Serial No. 507,573, Jan. 25. Class 46.

Coast Manufacturing & Supply Company, Livermore, Calif. Woven and knitted fabrics and cloth. Serial No. 554,365, Jan. 25. Class 42.

Columbus Coated Fabrics Corporation, Columbus, Ohio. Plastic coated textile fabrics. Serial No. 505,890, Jan. 25. Class 42.

Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverage. Serial No. 540,781, Jan. 25. Class 49.

Continental Mills, Inc., Philadelphia, Pa. Knitted and woven cloths. Serial No. 548,801, Jan. 25. Class 42.

Crozer-Pocahontas Company, Philadelphia, Pa. Coal. Serial No. 546,191, Jan. 25. Class 1.

Lalare Associates, Philadelphia, Pa. Specific preparations designed for the oral treatment of those symptoms such as rhinitis, sinusitis, urticaria, etc. Serial No. 564,022, Jan. 25. Class 6.

Davidson, Albert W., Arcadia, Calif. Flowers. Serial No. 535,690, Jan. 25. Class 1.

Davidson Rubber Company, The, Boston, Mass. Nursing bottle nipples. Serial No. 513,299, Jan. 25. Class 44.

De Boom Paint Co., San Francisco, Calif. Paints, varnishes, enamels, etc. Serial No. 540,044, Jan. 25. Class 16.

De Boom Paint Co., San Francisco, Calif. Automotive synthetic paint and baking enamels, undercoaters, reducers, etc. Serial No. 540,048, Jan. 25. Class 16.

Detroit Sulphite Pulp and Paper Company, Detroit, Mich. Bristol board, tissue and wrapping papers. Serial No. 531,450, Jan. 25. Class 37.

Dowell Incorporated, Midland, Mich. Cellular material. Serial No. 514,109, Jan. 25. Class 12.

Eastern States Farmers' Exchange, West Springfield, Mass. Disinfectants, insecticides, fungicides, etc. Serial No. 551,259, Jan. 25. Class 6.

East Michigan Tourist Association, Bay City, Mich. Magazines. Serial No. 524,958, Jan. 25. Class 38.

Emmart Food Products Co.: *See*—
Republic Food Products Co.

Fair, The, Chicago, Ill. Radio receiving sets. Serial No. 536,364, Jan. 25. Class 21.

Fairy Dyes Ltd., Glasgow, Scotland. Shaving cream. Serial No. 520,502, Jan. 25. Class 4.

Ferrazano, Alberto: *See*—
Polledo, Casimiro.

Frigie Corp.: *See*—
Frigie Corporation of America.

Frigie Corporation of America, doing business as Frigie Corp., Chicago, Ill. Ice cream bars. Serial No. 529,713, Jan. 25. Class 46.

Galvin Manufacturing Corporation: *See*—
Motorola, Inc.

Gardner Publications, Inc., Cincinnati, Ohio. Technical magazine. Serial No. 545,471, Jan. 25. Class 38.

Garrett Corporation, The, doing business as AiResearch Manufacturing Co., Los Angeles, Calif. Radiator type oil coolant-regulators, etc. Serial No. 476,905, Jan. 25. Class 23.

General Products Corporation, Union Springs, N. Y. Molded plastic parts for internal combustion engine ignition systems. Serial No. 511,464, Jan. 25. Class 21.

Gipson, Leland F., Oakland, Calif. Preparation for external application. Serial No. 499,704, Jan. 25. Class 6.

Guild Arts & Crafts, Inc., Richmond Hill, N. Y. Rosaries. Serial No. 522,661, Jan. 25. Class 28.

H. M. H. Co., The, Pawtucket, R. I. Rosaries. Serial No. 532,449, Jan. 25. Class 28.

Hall, C. P., The Company, Akron, Ohio. Wax derived from petroleum. Serial No. 528,790, Jan. 25. Class 6.

Halvorson Trees, assignee: *See*—
Halvorson Trees Incorporated.

Halvorson Trees Incorporated, assignor to Halvorsen Trees, Duluth, Minn. Natural Christmas trees. Serial No. 543,180, Jan. 25. Class 1.

Hansen, Charles H., doing business as Chas. H. Hansen Music Co., New York, N. Y. Series of publications comprising sheet music collections. Serial No. 525,214, Jan. 25. Class 38.

Hansen, Chas. H., Music Co.: *See*—
Hansen, Charles H.

Henny Hat Incorporated, New York, N. Y. Children's and little misses' booties, mittens, socks, cotton pants, rayon pants, etc. Serial No. 498,496, Jan. 25. Class 39.

Hoffman, E. A., Candy Co. Inc., Los Angeles, Calif. Candy. Serial No. 525,326, Jan. 25. Class 46.

Industrial Publishing Company, The, Cleveland, Ohio, Publication. Serial No. 533,165, Jan. 25. Class 38.

International Paint Company, Inc., New York, N. Y. Anti-fouling bottom paint for water-borne craft. Serial No. 540,675, Jan. 25. Class 16.

Jones, Joseph W., New York, N. Y. Electric motors. Serial No. 486,621, Jan. 25. Class 21.

Kaiser-Fraser Corporation, Willow Run, Mich. Passenger automobiles. Serial No. 505,590, Jan. 25. Class 19.

Kalart Company Inc., The, Stamford, Conn. Shipping boxes and cartons, shipping bag, etc. Serial No. 519,957, Jan. 25. Class 2.

Karriall Company, The, Chicago, Ill. Camping and housing trailers for use with automobiles. Serial No. 499,058, Jan. 25. Class 19.

Kemp, E. F., Inc., Somerville, Mass. Salted nuts. Serial No. 532,706, Jan. 25. Class 46.

Kennicott Bros. Company, Chicago, Ill. Cut flowers. Serial No. 543,936, Jan. 25. Class 1.

Kleinberger, G. D., Inc., New York, N. Y. Handbags, purses, pocketbooks, etc. Serial No. 559,929, Jan. 25. Class 3.

Lederman, Samuel M., doing business as Lee Products, Buffalo, N. Y. Waterless hand cleaner. Serial No. 555,682, Jan. 25. Class 4.

Lee Products: *See*—
Lederman, Samuel M.

Lee Parfums Norante, Societe a Responsabilite Limitee, Melun, France. Perfumes, toilet waters, rouge, etc. Serial No. 528,494, Jan. 25. Class 6.

Letourneau, R. G., Inc., Stockton, Calif., and Peoria, Ill. Earth working, construction and industrial equipment. Serial No. 535,972, Jan. 25. Class 23.

Lichtman, J., & Sons, Newark, N. J. Leather. Serial No. 544,095, Jan. 25. Class 1.

Lincoln Laboratories, Incorporated, Decatur, Ill. Medicinal preparation. Serial No. 511,333, Jan. 25. Class 6.

Livierato, Bernard A., doing business as Livierato Brothers, New York, N. Y. Green coffee. Serial No. 538,644, Jan. 25. Class 46.

Livierato Brothers: *See*—
Livierato, Bernard A.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 532,718, Jan. 25. Class 46.

Loudonville Milling Company, The, Loudonville, Ohio, assignor to Standard Milling Company, Chicago, Ill. Wheat flour. Serial No. 532,722, Jan. 25. Class 46.

Mackie-Lovejoy Mfg. Co., Chicago, Ill. Garment hangers. Serial No. 531,493, Jan. 25. Class 50.

Magee Carpet Company, The, Bloomsburg, Pa. Textile carpets and rugs. Serial No. 545,271, Jan. 25. Class 42.

Malibu Fabrics, Inc., New York, N. Y. Nylon and silk satin fabrics. Serial No. 515,270, Jan. 25. Class 42.

Mallinckrodt Chemical Works, St. Louis, Mo. Photograph developer. Serial No. 522,519, Jan. 25. Class 6.

Manen, Antonio, Riviere, Barcelona, Spain. Typographical and lithographical printed works. Serial No. 518,868, Jan. 25. Class 38.

Manx Tweed (Manufacturing) Company Limited, Laxey, Isle of Man, British Isles. Piece goods. Serial No. 547,643, Jan. 25. Class 42.

Marathon Corporation, Rothschild, Wis. Lignin reinforced rubber. Serial No. 538,647, Jan. 25. Class 1.

Market Basket Corporation, Geneva, N. Y. Canned vegetables, canned fruits, peanut butter, etc. Serial No. 539,329, Jan. 25. Class 46.
Martines Laboratories: *See*—
Martinez, Ralph E.
Martinez, Ralph E., doing business as Martinez Laboratories, Oxnard, Calif. Salve. Serial No. 513,628, Jan. 25. Class 6.
Martin-Senour Company, The, Chicago, Ill. Custom mixed paints and paint enamels. Serial No. 542,323, Jan. 25. Class 16.
Mawer-Gulden-Annis, Inc., New York, N. Y. Preserved cherries. Serial No. 535,728, Jan. 25. Class 46.
Mayer, B. W., Ltd., New York, N. Y. Neckties, scarfs, cravats, and hosiery. Serial No. 557,614, Jan. 25. Class 39.
Merkin, M. J., Paint Co., Inc., New York, N. Y. Liquid roof paints. Serial No. 539,890, Jan. 25. Class 16.
Meyer Brothers, Paterson, N. J. Spot cleaner, and all surface cleaner. Serial No. 546,309, Jan. 25. Class 4.
Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Ready mixed paints and wood stains. Serial No. 539,596, Jan. 25. Class 16.
Minnesota Linseed Oil Paint Company, Minneapolis, Minn. Paint and paint enamel in liquid form. Serial No. 539,598, Jan. 25. Class 16.
Moench, Norma H., Chicago, Ill. Foundation garments. Serial No. 476,169, Jan. 25. Class 39.
Moffett, C. J., Medicine Company, Columbus, Ga. Laxative. Serial No. 547,474, Jan. 25. Class 6.
Monarch Leather Company, Chicago, Ill. Leather. Serial No. 478,136, Jan. 25. Class 1.
Monsanto Chemical Company, St. Louis, Mo. Synthetic detergent compositions. Serial No. 554,915, Jan. 25. Class 4.
Morton Salt Company, Chicago, Ill. Salt and meat and poultry seasoning. Serial No. 537,339, Jan. 25. Class 46.
Morton Salt Company, Chicago, Ill. Salt. Serial No. 537,340, Jan. 25. Class 46.
Mother Hubbard Distributors Inc., New York, N. Y. Baked products. Serial No. 501,758, Jan. 25. Class 46.
Motorola, Inc., Chicago, Ill., now by change of name from Galvin Manufacturing Corporation. Radio condensers; electric transformers; vibrators for radio apparatus. Serial No. 522,606, Jan. 25. Class 21.
Nalle Plastics, Inc., Austin, Tex. Molded plastic articles. Serial No. 537,930, Jan. 25. Class 12.
National Telephone Supply Company, The, Cleveland, Ohio. Connecting and terminating sleeves for wires and cables. Serial Nos. 536,628–9, Jan. 25. Class 21.
New England Fish Company, Seattle, Wash. Canned fish. Serial No. 498,538, Jan. 25. Class 46.
Newport Industries, Inc., Pensacola, Fla. Rosin. Serial No. 543,979, Jan. 25. Class 1.
New York Girl Coat Co., Inc., New York, N. Y. Girls' and misses' suits and coats. Serial No. 541,326, Jan. 25. Class 39.
Nissen's, Oklahoma City, Okla. Shoes. Serial No. 508,357, Jan. 25. Class 39.
Norfolk and Western Railway Company, Roanoke, Va. Railroad transportation of passengers and freight. Serial No. 531,702, Jan. 25. Class 55.
North Bergen Leather Products Co., North Bergen, N. J. Ladies' handbags. Serial No. 547,024, Jan. 25. Class 3.
Occupational Hazards, Inc., Cleveland, Ohio. Publication. Serial No. 533,195, Jan. 25. Class 38.
Old Virginia Packing Co., Inc., Front Royal, Va. Mince meat. Serial No. 534,916, Jan. 25. Class 46.
Pacific Clay Products, Los Angeles, Calif. Ceramic pipe, ceramic pipe fittings, and ceramic pipe joint collars. Serial No. 534,332, Jan. 25. Class 12.
Pacific Mail Steamship Company, San Francisco, Calif. Water transportation of cargo and passengers. Serial No. 527,392, Jan. 25. Class 55.
Peterson-Biddick Company, Wadena, Minn. Egg mash concentrate, baby turkey starter mash, turkey growing mash, etc. Serial No. 532,338, Jan. 25. Class 46.
Pick Manufacturing Company, West Bend, Wis. Replaceable cartridge type oil filters. Serial No. 542,650, Jan. 25. Class 31.
Pinehurst Casuals, New York, N. Y. Women's and misses' dresses, suits, skirts, coats and jackets. Serial No. 535,258, Jan. 25. Class 39.
Pluto Corporation, French Lick, Ind. Mineral waters, effervescent crystals, and laxative pills. Serial No. 546,728, Jan. 25. Class 6.
Polledo, Casimiro, S. A. C. G., and A. Ferrazano, Buenos Aires, Argentina. Disinfectants. Serial No. 496,541, Jan. 25. Class 6.
Progress Case & Bag Co., Chicago, Ill. Ladies' luggage. Serial No. 553,514, Jan. 25. Class 3.
Ralston Purina Company, St. Louis, Mo. Insecticides, fungicides, and vermifuges. Serial No. 552,716, Jan. 25. Class 6.
Rector Trading Corporation, New York, N. Y. Shovels and axes. Serial No. 539,211, Jan. 25. Class 23.
Register and Tribune Company, The, Des Moines, Iowa. Newspaper and magazine feature or column. Serial No. 539,758, Jan. 25. Class 38.
Reider Shoe Mfg. Co., Inc., Schuylkill Haven, Pa. Shoes. Serial No. 530,335, Jan. 25. Class 39.
Republic Food Products Co., doing business as Emmart Food Products Co., Chicago, Ill. Canned foods. Serial No. 530,767, Jan. 25. Class 46.
Rogers Imports Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, etc. Serial No. 502,717, Jan. 25. Class 8.
Royal Battery Corporation, Paterson, N. J. Storage batteries and dry cell batteries. Serial No. 536,450, Jan. 25. Class 21.
Roycemore Toiletries, Inc., Chicago, Ill. Combined douche and enema applicator. Serial No. 553,986, Jan. 25. Class 44.
Rubel Baking Company, The, Cincinnati, Ohio. Rye bread. Serial No. 523,544, Jan. 25. Class 46.
Schaeffer, Charles P., doing business as Schaeffer & Company, Reading, Pa. Shoe laces. Serial No. 560,056, Jan. 25. Class 40.
Schaeffer & Company: *See*—
Schaeffer, Charles P.
School Mfg. Co., Inc., The, Chicago, Ill. Pads and plasters for corns, bunions, and calli. Serial No. 554,425, Jan. 25. Class 44.
Schultz, Baujan & Co., Beardstown, Ill. Wheat flour and corn meal. Serial No. 520,904, Jan. 25. Class 46.
Sears, Roebuck and Co., Chicago, Ill. Batts and batting materials. Serial No. 545,175, Jan. 25. Class 1.
Sight Feed Generator Company, The, West Alexandria, Ohio. Acetylene gas generators, oxygen gas generators, gas welding flux chargers, etc. Serial No. 530,343, Jan. 25. Class 34.
Sloane, W. & J., New York, N. Y. Linoleum, oil cloth and felt base floor, wall, shelf and furniture covering, etc. Serial No. 525,038, Jan. 25. Class 20.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Badminton rackets. Serial No. 536,649, Jan. 25. Class 22.
Spaulding & Company, Chicago, Ill. Jewelry. Serial No. 500,840, Jan. 25. Class 28.
Standard Candy Company, Nashville, Tenn. Candies. Serial No. 519,229, Jan. 25. Class 46.
Standard Milling Company, assignee: *See*—
Londonville Milling Company, The.
Standard Transformer Corporation, Chicago, Ill. Fixed and variable transformers, reactors, transmitters, etc. Serial No. 536,457, Jan. 25. Class 21.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Cutting oil. Serial No. 534,685, Jan. 25. Class 15.
Sun Chemical Corporation, New York, N. Y. Quaternary organic material. Serial No. 515,138, Jan. 25. Class 6.
Thatcher Glass Manufacturing Company, Inc., Elmira, N. Y. Glass milk bottles. Serial No. 535,896, Jan. 25. Class 33.
Tyler Fixture Corporation, Niles, Mich. Refrigerators. Serial No. 539,241, Jan. 25. Class 31.
Valco Manufacturing Company, Chicago, Ill. Hawaiian and Spanish amplifying and electric guitars, and guitar accessories. Serial Nos. 513,279–80, Jan. 25. Class 36.
Vance Laboratories, San Francisco, Calif. Medicinal preparation. Serial No. 489,629, Jan. 25. Class 6.
Vick's, James, Seeds, Inc., Philadelphia, Pa. Vegetable and flower seeds, bulbs, and plants, etc. Serial No. 532,179, Jan. 25. Class 1.
Vitaminerals, Inc., Los Angeles, Calif. Nutritional supplement. Serial No. 527,722, Jan. 25. Class 46.
Wabash Manufacturing Company, Chicago, Ill., assignor to Wabash Manufacturing Company. Powdered bronze filters for filtering fluids. Serial No. 493,634, Jan. 25. Class 31.
Wannemacher Mfg. Co.: *See*—
Wannemacher, William P.
Wannemacher, William P., doing business as Wannemacher Mfg. Co., Bloomington, Ill. Tinning liquid. Serial No. 520,131, Jan. 25. Class 6.
Warner Electric Brake Manufacturing Company, South Beloit, Ill. Electric cables, connectors, plugs and pockets. Serial No. 528,549, Jan. 25. Class 21.
Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. Serial No. 513,283, Jan. 25. Class 31.
Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. Serial No. 513,483, Jan. 25. Class 31.
Warren Company, Inc., The, Atlanta, Ga. Commercial refrigerators. Serial No. 513,789, Jan. 25. Class 31.
Webster, Warren, & Company, Camden, N. J. Plumbing and steam fitting supplies. Serial No. 525,722, Jan. 25. Class 13.
Welcome Wagon Service Company, Inc., Memphis, Tenn., and New York, N. Y. Advertising service. Serial No. 538,327, Jan. 25. Class 55.
Western Pharmacal Company, Salt Lake City, Utah. Analgesic and antispasmodic tablet. Serial No. 554,182, Jan. 25. Class 6.
Whaley-Eaton Corporation, Washington, D. C. Publication. Serial No. 555,130, Jan. 25. Class 38.
Willson Products, Inc., Reading, Pa. Ophthalmic mountings and parts thereof. Serial No. 498,562, Jan. 25. Class 26.
Wolsey Limited, Leicester, England. Stockings, socks, hose, dress, negligee and work shirts, etc. Serial Nos. 524,366–7, Jan. 25. Class 39.
Wood, John, Manufacturing Company, Inc., Conshohocken, Pa., Chicago, Ill., and Philadelphia, Pa. Gas water heaters, and combination boilers. Serial No. 549,402, Jan. 25. Class 34.
Woolworth, F. W., Co., New York, N. Y. Snap fasteners. Serial No. 553,763, Jan. 25. Class 40.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Co., The, Yarmouth, by G. H. Bass & Co., Wilton, Maine. Shoes and boots. 237,983, Jan. 24, 1928. Republished Jan. 25. Class 39.
Ace Periodicals Inc., New York, N. Y. Periodical. 506,018, Jan. 25; Serial No. 534,221, published Oct. 5, 1948. Class 38.
Acklin Stamping Company, The: *See*—
Meta-Fold Awning Company.
Aeroquip Corporation, Jackson, Mich., assignor to Standard Locknut & Lockwasher, Inc., Indianapolis, Ind. Metallic washers. 441,904, Jan. 25; Serial No. 497,436, published Oct. 5, 1948. Class 13.
Albemarle Paper Manufacturing Company, The, Richmond, Va. Blotting paper. 72,402, Jan. 26, 1909. Republished Jan. 25. Class 37.
Albemarle Paper Manufacturing Company, The, Richmond, Va. Blotting paper. 242,116, May 16, 1928. Republished Jan. 25. Class 37.
Albion Produce Company, Inc., Albion, N. Y. Canned sauerkraut. 506,117, Jan. 25; Serial No. 511,365. Class 46.
Alhadeff, Neasim, doing business as Whiz Fish Products Company, by Whiz Fish Products Company, Inc., Seattle, Wash. Canned fish. 377,347, Apr. 30, 1940. Republished Jan. 25. Class 46.
Alhambra Cigar & Cigarette Manufacturing Company: *See*—
Kuenzle & Streiff.
Allen, W. P., doing business as Irvin S. Cobb Cigar Co., Paducah, Ky. Cigars. 435,331, Dec. 16, 1947. Republished Jan. 25. Class 17.
Allied Chemical & Dye Corporation: *See*—
Semet-Solvay Company.
Solvay Process Company, The.
Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 180,349, Feb. 26, 1924. Republished Jan. 25. Class 21.
Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 183,269, Apr. 29, 1924. Republished Jan. 25. Class 21.
Allis, Louis, Company, The, Milwaukee, Wis. Electric motors, generators, rotary converters, etc. 191,628, Nov. 11, 1924. Republished Jan. 25. Class 21.
Alloway Brothers: *See*—
Alloway Brothers Company.
Alloway Brothers, by Alloway Brothers Company, Nashville, Tenn. Butter, live and dressed poultry and eggs. 178,339, Jan. 8, 1924. Republished Jan. 25. Class 46.
Alloy Rods Company, York, Pa. Electrodes for arc welding stainless and alloy steels. 506,109, Jan. 25; Serial No. 485,391. Class 14.
Alta Vista Creamery Company, Fort Worth, Tex. Milk, cream, and butter. 68,411, Apr. 7, 1908. Republished Jan. 25. Class 46.
Altec Lansing Corporation, Los Angeles and Hollywood, Calif. Speaker systems. 505,938, Jan. 25; Serial No. 520,598, published Oct. 5, 1948. Class 21.
American Cyanamid Company, New York, N. Y. Antihistaminic preparations. 506,081, Jan. 25; Serial No. 544,837, published Sept. 14, 1948. Class 6.
American Medical Glass Company, Washington, D. C. Impregnated glass fabric. 433,236, Sept. 30, 1947. Republished Jan. 25. Class 50.
American Pop Corn Company, Sioux City, Iowa. Shelled pop corn. 275,421, Sept. 23, 1930. Republished Jan. 25. Class 46.
American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 361,157, Oct. 11, 1938. Republished Jan. 25. Class 46.
American Pop Corn Company, Sioux City, Iowa. Raw pop corn. 361,757, Nov. 1, 1938. Republished Jan. 25. Class 46.
American Road Machinery Company, Inc., by Good Roads Machinery Corporation, Kennett Square, Pa. Road-grading machines, rock crushers, elevators, etc. 215,404, July 20, 1926. Republished Jan. 25. Class 23.
Ames Company, Inc., Elkhart, Ind. Sulfathiazole-sulfadiazine buffered with sodium citrate. 506,088, Jan. 25; Serial No. 547,415, published Oct. 19, 1948. Class 6.
Andrews, A. B., Company, New York, N. Y., by Ely & Walker Dry Goods Company, St. Louis, Mo. Hosiery. 71,420, Nov. 24, 1908. Republished Jan. 25. Class 39.
An-Fo Manufacturing Co.: *See*—
Rosefield, John B.
Anheuser-Busch, Inc., St. Louis, Mo. Yeast hydrolysate or yeast protein digest. 441,907, Jan. 25; Serial No. 501,038, published Jan. 28, 1947. Class 46.
Arakelian, Harry & Son, Turlock, by Consolidated Packing Company, San Francisco, Calif. Dry raisins. 208,033, Jan. 19, 1926. Republished Jan. 25. Class 46.
Arden, Elisabeth, Inc., to Elisabeth Arden Sales Corporation, New York, N. Y. Skin cream, skin tonic, muscle oil, etc. 252,449, renewed Feb. 5, 1949. O. G. Jan. 25. Class 6.
Arden, Elisabeth, Sales Corporation: *See*—
Arden, Elisabeth, Inc.
Armour and Company, Chicago, Ill. Sausage. 505,959, Jan. 25; Serial No. 528,400, published Oct. 5, 1948. Class 46.
Armstrong Cork Company, Lancaster, Pa. Prescription bottles. 505,976, Jan. 25; Serial No. 529,953, published Oct. 12, 1948. Class 33.
Arnold Milling Company, The, Sterling, Kans. Wheat flour. 261,939, Sept. 24, 1929. Republished Jan. 25. Class 46.
Arvey Corporation, Chicago, Ill. Outdoor advertising display signs. 441,917, Jan. 25; Serial No. 511,955, published Feb. 10, 1948. Class 38.
Atkins, E. C., and Company, Indianapolis, Ind. Tools for fitting saws. 64,334, Aug. 6, 1907. Republished Jan. 25. Class 23.
Atkins, E. C., and Company, Indianapolis, Ind. Circular saws, band saws, rip and panel saws, etc. 230,153, July 12, 1927. Republished Jan. 25. Class 23.
Atkinson Milling Company, Minneapolis, Minn. Hard wheat first clear flour. 506,028, Jan. 25; Serial No. 534,864, published Oct. 5, 1948. Class 46.
Atlantic Southwestern Broom Company, Baltimore, Md. Brooms. 431,462, July 22, 1947. Republished Jan. 25. Class 29.
Avon Products, Inc., New York, N. Y. Shaving cream, shaving stick, toilet soap, etc. 506,046, Jan. 25; Serial No. 536,991, published Sept. 14, 1948. Class 4.
Baker Extract Company, Springfield, Mass. Root beer and root beer and birch beer extracts. 505,977, Jan. 25; Serial No. 530,158, published Sept. 21, 1948. Class 45.
Bal-Dart Incorporated, Detroit, Mich. Lawn sprinklers. 441,919, Jan. 25; Serial No. 512,482, published Oct. 5, 1948. Class 13.
Balmer, J. H., Co., Trenton, N. J. Bathroom fixtures. 505,993, Jan. 25; Serial No. 532,108, published Sept. 28, 1948. Class 13.
Barkin, Levin & Co. Inc., New York, N. Y. Ladies', misses' and small women's coats. 228,767, June 7, 1927. Republished Jan. 25. Class 39.
Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,522–3, June 9, 1936. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,561, June 9, 1936. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,660, June 9, 1936. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 364,403, Jan. 31, 1939. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 381,420, Sept. 24, 1940. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Made up finished window curtains. 389,848, Aug. 5, 1941. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 390,362, Sept. 23, 1941. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 390,727, Sept. 30, 1941. Republished Jan. 25. Class 42.
Bartmann & Bixer, Inc., New York, N. Y. Window curtains. 391,390, Nov. 4, 1941. Republished Jan. 25. Class 42.
Bass, G. H., & Co.: *See*—
Abbott Co., The.
Beard, L. O., Tool Company, Lancaster, Pa. Reamers, pistons, piston pins, etc. 862,136, Nov. 15, 1938. Republished Jan. 25. Class 28.
Bellevue Creamery & Produce Co.: *See*—
Omaha Cold Storage Company.
Benrus Watch Company, Inc., New York, N. Y. Watches and watches and attached bracelets. 370,243, Aug. 22, 1939. Republished Jan. 25. Class 27.
Berated Manufacturing Company, Fostoria, Ohio. Electrical appliances. 505,936, Jan. 25; Serial No. 519,721, published Oct. 5, 1948. Class 21.
Beverage Distributors, Inc., doing business as Marlboro Beverage Company, assignee of Safeway Stores Incorporated, doing business as Marlboro Beverage Company, San Francisco, Calif. Non-alcoholic, non-cereal, malt-less beverages. 505,935, Jan. 25; Serial No. 519,102, published Sept. 21, 1948. Class 45.
Billings & Spencer Company, The, by The Billings & Spencer Company (1928), Hartford, Conn. Hand tools. 248,759, Oct. 30, 1928. Republished Jan. 25. Class 28.
Billings & Spencer Company, The, (1928): *See*—
Billings & Spencer Company, The.

Blake, Moffitt & Towne, San Francisco, Calif. Printing paper, corrugated paper, bond paper, etc. 191,504, Nov. 11, 1924. Republished Jan. 25. Classes 37 and 5.

Block Drug Company, Inc.: *See*—
Emergency Laboratories.

Blue Moon Foods, Inc., Thorp, Wis., assignor to Blue Moon Foods, Inc., Dover, Del. Cheese and cheese spread. 441,900, Jan. 25; Serial No. 484,660, published Oct. 5, 1948. Class 46.

Bowlby, Byron J., doing business as Bowlby Candy Company, Appleton, Wis. Specially processed roasted and salted Virginia peanuts. 441,841, Jan. 25; Serial No. 497,687. Class 46.

Bowlby Candy Company: *See*—
Bowlby, Byron J.

Breck, John H., Inc., Springfield, Mass. Periodical published from time to time. 506,097, Jan. 25; Serial No. 549,703, published Oct. 5, 1948. Class 38.

Brewster, B. Franklin, by Veteran Foods, Inc., Rochester, N. Y. Canned vegetables, canned pork and beans, and canned salmon. 91,845, June 8, 1913. Republished Jan. 25. Class 46.

Brewster, Gordon & Co., by Veteran Foods, Inc., Rochester, N. Y. Coffee, tea, molasses, etc. 101,560, Dec. 29, 1914. Republished Jan. 25. Class 46.

Brewster, Gordon & Co., by Veteran Foods, Inc., Rochester, N. Y. Tea, coffee, canned vegetables, etc. 101,561, Dec. 29, 1914. Republished Jan. 25. Class 46.

Brewster, Gordon & Co., by Veteran Foods, Inc., Rochester, N. Y. Tea. 122,490, Aug. 20, 1918. Republished Jan. 25. Class 46.

Brewster, Gordon & Co., by Veteran Foods, Inc., Rochester, N. Y. Tea. 122,635, Sept. 3, 1918. Republished Jan. 25. Class 46.

Brewster, Gordon & Co., by Veteran Foods, Inc., Rochester, N. Y. Coffee. 154,501, Apr. 18, 1922. Republished Jan. 25. Class 46.

British Drug Houses, Limited, The, London, England. Medicated malt product. 248,223, renewed Oct. 16, 1948. O. G. Jan. 25. Class 6.

British Drug Houses, Limited, The, London, England. Medicinal preparation. 249,273, renewed Nov. 13, 1948. O. G. Jan. 25. Class 6.

Broemmel's Pharmaceuticals, San Francisco, Calif. Vitamin B complex compound in tablet form. 441,902, Jan. 25; Serial No. 487,989, published Oct. 12, 1948. Class 6.

Brooks Brothers, New York, N. Y. Bottle closures, etc. 506,990, Jan. 25; Serial No. 531,505, published Sept. 28, 1948. Class 50.

Bulldog Electric Products Company, Detroit, Mich. Contacts for electrical switches. 392,800, Jan. 13, 1942. Republished Jan. 25. Class 21.

Burns, E. Reed, Manufacturing Corporation, Brooklyn, N. Y. Polishing and buffing compound. 505,966, Jan 25; Serial No. 531,769, published Sept. 28, 1948. Class 4.

Burrus Mill & Elevator Co., Fort Worth, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Stock feeds, poultry feeds, horse and mule feeds. 262,614, Oct. 15, 1929. Republished Jan. 25. Class 46.

Burrus Mill & Elevator Co. of Oklahoma: *See*—
Oklahoma Mill Co., The.

Bush, W. J., & Company Limited, London, England. Substances used as food or as ingredients of food. 250,914, renewed Dec. 18, 1948. O. G. Jan. 25. Class 46.

California Cellars: *See*—
Napa & Sonoma Wine Co.

California Grape Products Co., Ltd., New York, N. Y. Wines. 506,047, Jan. 25; Serial No. 537,000, published Sept. 21, 1948. Class 47.

California Vegetable Growers, Guadalupe, Calif. Fresh vegetables. 506,107, Jan. 25; Serial No. 517,886, published Sept. 28, 1948. Class 46.

Callahan, C., Company, The, La Fayette, Ind. Ammonia, baking soda, baking powder, etc. 252,650, Sept. 13, 1927. Republished Jan. 25. Classes 6 & 46.

Cannon Electric Development Company: *See*—
Cannon, James H.

Cannon, James H., doing business as Cannon Electric Development Company, Los Angeles, Calif. Electric equipment and parts therefor, etc. 506,927–8, Jan. 25; Serial No. 516,458–9, published Oct. 5, 1948. Class 21.

Capilano Timber Co. Ltd., Vancouver, British Columbia, Canada. Sawmill products. 248,144, renewed Oct. 16, 1948. O. G. Jan. 25. Class 12.

Capital Classic Association, Washington, D. C. Periodic publication. 506,082, Jan. 25; Serial No. 544,849, published Oct. 5, 1948. Class 38.

Cardox Corporation: *See*—
Safety Mining Company.

Carpenter, E. W., Manufacturing Company, The, Bridgeport, Conn. Venetian blind hardware. 505,946, Jan. 25; Serial No. 526,573, published Oct. 5, 1948. Class 13.

Case-Swayne Co., Inc., Santa Ana, Calif. Canned pork and beans. 506,123, Jan. 25; Serial No. 526,201. Class 46.

Central Ohio Supply Co., The, Columbus, Ohio. Product containing corn syrup, sugar syrup, egg albumen, etc. 441,924, Jan. 25; Serial No. 517,971, published Oct. 5, 1948. Class 46.

Chase Candy Company: *See*—
Chase, G. W., and Son Mercantile Co.

Chase, G. W., and Son Mercantile Co., by Chase Candy Company, St. Joseph, Mo. Candy. 186,193, July 1, 1924. Republished Jan. 25. Class 46.

China & Glass Distributors, Inc., New York, N. Y. Glass dinner tableware and sets thereof. 505,969, Jan. 25; Serial No. 529,281, published Oct. 19, 1948. Class 33.

Cincinnati Iron Fence Co. Inc., Cincinnati, Ohio. Kitchen appliance in the form of a combination portable drainboard, tray, and cover. 441,923, Jan. 25; Serial No. 517,617, published Oct. 19, 1948. Class 13.

Cleary Trading Corporation: *See*—
Cleary, W. A., Corporation.

Cleary, W. A., Corporation, also doing business as Cleary Trading Corporation, New Brunswick, N. J. Modified and compound vegetable oil. 505,944, Jan. 25; Serial No. 524,687, published Oct. 5, 1948. Class 46.

Coan, N. C., San Jose, Calif., and Houston, Tex. Foods in concentrated and dehydrated packaged form. 402,891, Aug. 10, 1943. Republished Jan. 25. Class 46.

Coddington, E. D., Manufacturing Company, North Milwaukee, Wis. Plaster. 252,059, Jan. 22, 1929. Republished Jan. 25. Class 12.

Cohen, Isidor H.: *See*—
Mandel & Cohen.
Mandel & Cohen, Inc.

Cole, H. C., Milling Company, Chester, Ill. Wheat flour. 255,870, Apr. 30, 1929. Republished Jan. 25. Class 46.

Collin County Mill & Elevator Co., McKinney, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 182,035, Apr. 1, 1924. Republished Jan. 25. Class 46.

Collin County Mill & Elevator Co., McKinney, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 182,044, Apr. 15, 1924. Republished Jan. 25. Class 46.

Collin County Mill & Elevator Co., McKinney, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Poultry and stock feed. 289,229, Nov. 24, 1931. Republished Jan. 25. Class 46.

Collin County Mill & Elevator Co., McKinney, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 342,809, Feb. 2, 1937. Republished Jan. 25. Class 46.

Colsom-Merriam Co., The: *See*—
Merriam Company, Inc., The.

Colt's Manufacturing Company: *See*—
Colt's Patent Fire Arms Manufacturing Co.

Colt's Patent Fire Arms Manufacturing Co., to Colt's Manufacturing Company, Hartford, Conn. Packing being commonly sold in the form of compressed sheet packing, gaskets, and washers, etc. 238,458, renewed Feb. 7, 1948. O. G. Jan. 25. Class 35.

Columbia Ribbon & Carbon Manufacturing Company, Inc., Glen Cove, N. Y. Typewriter ribbons and carbon paper. 506,067, Jan. 25; Serial No. 540,175, published Oct. 19, 1948. Class 11.

Compagnie Nationale de Matieres Colorantes, Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann, to Société Parisienne de Laboratoires, Paris, France. Polygenetic and polyvalent vaccines, etc. 221,807, renewed Dec. 14, 1946. O. G. Jan. 25. Class 6.

Consolidated Coal Company, The, St. Louis, Mo. Coal. 505,953, Jan. 25; Serial No. 527,289, published Oct. 12, 1948. Class 1.

Consolidated Coal Company, The, St. Louis, Mo. Coal. 505,954, Jan. 25; Serial No. 527,445, published Oct. 12, 1948. Class 1.

Consolidated Packing Company: *See*—
Arakelian, Harry, & Son.

Cook, F. W., Company, Inc., Evansville, Ind. Beer and ale. 506,061, Jan. 25; Serial No. 539,496, published Oct. 5, 1948. Class 48.

Cornell-Dubilier Electric Corporation, South Plainfield, N. J. Electrical capacitors. 506,083, Jan. 25; Serial No. 544,855, published Sept. 28, 1948. Class 21.

Corn Products Refining Company, New York, N. Y. Monthly publication. 506,007, Jan. 25; Serial No. 533,544, published Oct. 5, 1948. Class 38.

Cowles Chemical Company: *See*—
Cowles Detergent Company, The.

Cowles Detergent Company, The, now by change of name Cowles Chemical Company, Cleveland, Ohio. Detergent for washing felt. 506,110, Jan. 25; Serial No. 496,544. Class 4.

Crowley, W. J., Co.: *See*—
Crowley, William J.

Crowley, William J., doing business as W. J. Crowley Co., Milwaukee, Wis. Carbon paper and typewriter ribbons. 236,154, renewed Dec. 6, 1947. O. G. Jan. 25. Class 11.

Crystal Studio: *See*—
Vinson, Harold S.

Current Books, Inc., New York, N. Y. Periodical. 506,016, Jan. 25; Serial No. 534,094, published Oct. 5, 1948. Class 38.

Dan River Mills, Incorporated, Danville, Va. Sheets, sheeting, and pillowcases. 423,067, Sept. 23, 1947. Republished Jan. 25. Class 42.

Daraky, N. H., doing business as Golden Age Ginger Ale Company of America, Youngstown, Canton, and Akron, Ohio, and Houston, Tex. Mineral and carbonated water. 506,053, Jan. 25; Serial No. 537,789, published Oct. 5, 1948. Class 45.

Davis, Lester M., Tacoma, Wash. Trolling spinners. 355,751, Mar. 29, 1938. Republished Jan. 25. Class 22.

De Laval Separator Company, The, New York, N. Y. Electrical water heaters. 441,926, Jan. 25; Serial No. 519,381, published Sept. 28, 1948. Class 21.

Dell Publishing Company, Inc., New York, N. Y. Publication published periodically. 505,981, Jan. 25; Serial No. 531,447, published Oct. 5, 1948. Class 38.

Dewey Portland Cement Company, Kansas City, Mo. Portland cement and masons cement. 506,050, Jan. 25; Serial No. 537,295, published Sept. 14, 1948. Class 12.

Distilled Liquors Import Co., Inc., New York, N. Y. Brandy. 505,978–9, Jan. 25; Serial No. 531,022–3, published Sept. 21, 1948. Class 49.

Domont, Ben: *See*—
Monument Bottling Company.

Draper, Dorothy, New York, N. Y. Newspaper column. 506,092, Jan. 25; Serial No. 548,348, published Oct. 19, 1948. Class 38.

Drug Industries Co.: *See*—
Totaka, Jerry C.

Dry Cleaning Machinery Corporation, Syracuse, N. Y. Steam electric irons. 505,940, Jan. 25; Serial No. 522,787, published Oct. 5, 1948. Class 21.

Delany, John H., & Son, Inc., Fruitland, Md. Canned vegetables. 506,008, Jan. 25; Serial No. 533,549, published Sept. 28, 1948. Class 46.

Delany, John H., & Son, Inc., Fruitland, Md. Canned vegetables. 506,009, Jan. 25; Serial No. 533,551, published Sept. 28, 1948. Class 46.

Delken, Charles F.: *See*—
Hygrolit Incorporated.

Dunlevy & Brother, Pittsburg, Pa., to Hygrade Food Products Corporation, New York, N. Y. Lard. 68,634, renewed Apr. 21, 1948. O. G. Jan. 25. Class 44.

Duquesne Paint Company, The, by W. W. Lawrence & Company, Pittsburgh, Pa. Ready-mixed and paste paint. 118,009, Aug. 14, 1917. Republished Jan. 25. Class 16.

Durango Coca-Cola Bottling Co., Durango, Colo. Malt-less soft drinks and carbonated waters. 506,052, Jan. 25; Serial No. 537,668, published Oct. 5, 1948. Class 45.

Eagle Pencil Company, to Eagle Pencil Company, New York, N. Y. Lead-pencils. 70,598, re-renewed Sept. 15, 1948. O. G. Jan. 25. Class 37.

Easson Soap, Inc., by Nu Bora Soap Company, Inc., Portland, Oreg. Soap. 308,359, Dec. 5, 1933. Republished Jan. 25. Class 4.

Ellis, A. D., Mills, Incorporated, Monson, Mass. Woolen piece goods. 506,100, Jan. 25; Serial No. 550,796, published Sept. 28, 1948. Class 42.

Ely & Walker Dry Goods Company: *See*—
Andrews, A. B., Company.

Ely & Walker Dry Goods Company, St. Louis, Mo. Boys', youths', and infants' play suits, rompers, overalls, etc. 238,014, Jan. 24, 1928. Republished Jan. 25. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Men's and boys' caps. 240,631, Apr. 3, 1928. Republished Jan. 25. Class 39.

Ely & Walker Dry Goods Company, St. Louis, Mo. Ladies', misses', and children's dresses and aprons. 247,041, Sept. 18, 1928. Republished Jan. 25. Class 39.

Emergency Laboratories, New York, N. Y., by Block Drug Company, Inc., Jersey City, N. J. Soap. 251,982, Jan. 22, 1929. Republished Jan. 25. Class 4.

Emerson First Air Supply Co.: *See*—
Emerson, John.

Emerson, John, doing business as Emerson First Air Supply Co., New York, N. Y. Manicure kits. 441,905, Jan. 25; Serial No. 497,533, published Aug. 17, 1948. Class 50.

Endicott Johnson Corporation, Endicott, N. Y. Shoes. 237,778, Jan. 17, 1928. Republished Jan. 25. Class 39.

Endicott Johnson Corporation, Endicott, N. Y. Shoes. 435,231, Dec. 16, 1947. Republished Jan. 25. Class 39.

Escalante, Jose, & Co., Chicago, Ill. Cigars. 505,999, Jan. 25; Serial No. 533,239, published Oct. 12, 1948. Class 17.

Eston Chemicals, Inc., Los Angeles, Calif. Soil and grain fumigants. 505,937, Jan. 25; Serial No. 520,500, published Oct. 19, 1948. Class 6.

Evans, David G., Coffee Company: *See*—
Meyer Brothers Coffee and Spice Company.

Ever-Kleen Sales Co.: *See*—
McDonald, Robert L.

Fabriques Movado, La Chaux-de-Fonds, Switzerland. Watches and parts of watches. 251,736, renewed Jan. 15, 1949. O. G. Jan. 25. Class 27.

Fairbanks Company, The, New York, N. Y. Steam valves and water valves. 506,000, Jan. 25; Serial No. 533,287, published Sept. 28, 1948. Class 13.

Fairbanks Company, The, New York, N. Y. Globe and angle valves. 506,001, Jan. 25; Serial No. 533,288, published Sept. 28, 1948. Class 13.

Fairbanks Company, The, New York, N. Y. Steam and water valves. 506,012, Jan. 25; Serial No. 533,868, published Oct. 19, 1948. Class 13.

Fairbanks Company, The, New York, N. Y. Plumbing and steam-fitting valves. 506,013, Jan. 25; Serial No. 533,870, published Oct. 19, 1948. Class 13.

Fan Male, Inc., assignor to Magazine Enterprises, Inc., New York, N. Y. Comic magazine published monthly. 505,988, Jan. 25; Serial No. 531,807, published Oct. 5, 1948. Class 38.

Farley & Loetscher Manufacturing Company, Dubuque, Iowa. Doors, structural panels, panel stock, etc. 302,732, Apr. 25, 1933. Republished Jan. 25. Class 12.

Farrel-Birmingham Company, Incorporated, Ansonia and Derby, Conn., and Buffalo, N. Y. Rolling mills, chilled-iron rolls, gray-iron rolls, etc. 245,978, Aug. 28, 1928. Republished Jan. 25. Class 23.

Federal Engineering Company: *See*—
Jackson, Aldrich L.

Federal Engineering Co., Inc., The: *See*—
Jackson, Aldrich L.

Fenn Bros., Inc., Sioux Falls, S. Dak. Candy and ice cream. 506,035, Jan. 25; Serial No. 535,514, published Sept. 21, 1948. Class 46.

Fey, A. W., Hasleton, Pa. Canned vegetables. 334,027, Apr. 14, 1936. Republished Jan. 25. Class 46.

Fields, Edward S., Morgantown, W. Va. Mine or timber jacks. 422,194, July 9, 1946. Republished Jan. 25. Class 23.

Finch Telecommunications, Inc., Passaic, N. J. Transmitters and recorders, etc. 441,916, Jan. 25; Serial No. 511,677, published Aug. 17, 1948. Class 21.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot water boilers. 179,800, Feb. 19, 1924. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Steam and hot water boilers. 217,589, Sept. 7, 1926. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Draft regulating damper for boilers. 368,997, July 11, 1939. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Draft regulating baffle for boilers. 368,998, July 11, 1939. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Boilers. 369,000, July 11, 1939. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Boilers. 369,002, July 11, 1939. Republished Jan. 25. Class 34.

Fitzgibbons Boiler Company, Inc., New York, N. Y. Gas burning boilers. 371,215, Sept. 19, 1939. Republished Jan. 25. Class 34.

Florasynth Laboratories Incorporated, New York, N. Y. Flavoring extracts used in foods and for food purposes. 441,906, Jan. 25; Serial No. 500,383, published Apr. 15, 1947. Class 46.

Flory Milling Company, Inc., Bangor, Pa. Mash for use as a poultry feed. 506,122, Jan. 25; Serial No. 523,577. Class 46.

Fouke Fur Company, St. Louis, Mo. Fur sealskins. 505,949, Jan. 25; Serial No. 527,184, published Oct. 12, 1948. Class 1.

Fouke Fur Company, St. Louis, Mo. Furs, skins, hides, and pelts. 505,950, Jan. 25; Serial No. 527,196, published Oct. 12, 1948. Class 1.

Frank, Philip, New York, N. Y. Monthly periodical. 441,927, Jan. 25; Serial No. 519,937, published Mar. 23, 1948. Class 38.

Franz, Wm., Beverage Co., Philadelphia, Pa. Non-alcoholic, non-cereal, maltless beverages sold as soft drinks. 441,934, Jan. 25; Serial No. 524,670, published Oct. 5, 1948. Class 45.

Fromm and Sichel, Inc., New York, N. Y. Whiskey. 441,937–8, Jan. 25; Serial Nos. 525,583–4, published Sept. 21, 1948. Class 49.

Frozen Drumstick Sales Company, Fort Worth, Tex. Preparation in the form of a powder for use as a stabilizer and balancing agent in ice cream and other confections. 441,908, Jan. 25; Serial No. 503,070, published Sept. 28, 1948. Class 46.

Fruhman, Sidney, by Rhealee Stores, Incorporated, Dallas, Tex. Straw hats and felt hats. 346,337, May 25, 1937. Republished Jan. 25. Class 39.

Fruit Growers Co-Operative, Sturgeon Bay, Wis. Canned red pitted cherries. 506,002, Jan. 25; Serial No. 533,291, published Sept. 28, 1948. Class 46.

Fulton, Vera F., Gallipolis, Ohio. Aprons, dresses, uniforms. 387,373, May 13, 1941. Republished Jan. 25. Class 39.

Furst-McNess Company, Freeport, Ill. Round worm remedy, chocolate flavored laxative, headache tablets, etc. 505,939, Jan. 25; Serial No. 522,765, published Oct. 12, 1948. Class 6.

Gallun, A. F., & Sons, by A. F. Gallun & Sons Corporation, Milwaukee, Wis. Vegetable-tanned leather. 83,571, Sept. 26, 1911. Republished Jan. 25. Class 1.

Gallun, A. F., & Sons, by A. F. Gallun & Sons Corporation, Milwaukee, Wis. Chrome-tanned leather. 83,572, Sept. 26, 1911. Republished Jan. 25. Class 1.

Gallun, A. F., & Sons Corporation: *See*—
Gallun, A. F., & Sons.

Gallun, A. F., & Sons Corporation, Milwaukee, Wis. Leather. 281,588, Mar. 24, 1931. Republished Jan. 25. Class 1.

Gallun, A. F., & Sons Corporation, Milwaukee, Wis. Leather. 316,123, Aug. 14, 1934. Republished Jan. 25. Class 1.

Gavilan Citrus Association: *See*—
Holden, Arthur S.

Gaw-O'Hara Envelope Co., Chicago, Ill. Envelopes, letterheads, billheads, etc. 102,709, Feb. 23, 1915. Republished Jan. 25. Class 37.

Gem Die & Mold Company, Chicago, Ill. Combined toothbrush and receptacle therefor. 505,923, Jan. 25; Serial No. 513,047, published May 11, 1948. Class 50.

General Box Company, Chicago, Ill. Pallets and skids. 505,914, Jan. 25; Serial No. 497,538, published Oct. 19, 1948. Class 50.

General Coal Company, Philadelphia, Pa. Coal. 285,045, July 14, 1931. Republished Jan. 25. Class 1.

General Tire & Rubber Company, The, Akron, Ohio. Nonmetallic tires and inner tubes. 299,525, Dec. 6, 1932. Republished Jan. 25. Class 35.

Gilbert, John O., Chocolate Company, Jackson, Mich. Candy. 506,041, Jan. 25; Serial No. 536,374, published Oct. 5, 1948. Class 46.

Gilbert, Martin, by Mrs. O. Gilbert, Reedley, Calif. Fresh grapes. 208,292, Jan. 26, 1926. Republished Jan. 25. Class 46.

Gilbert, Martin, by Mrs. O. Gilbert, Reedley, Calif. Fresh fruits. 369,883, Aug. 8, 1939. Republished Jan. 25. Class 46.

Gilbert, Mrs. Ora: *See*—
Gilbert, Martin.

Gimbel Brothers, Inc., New York, N. Y., Philadelphia, Pa., Milwaukee, Wis., and Pittsburgh, Pa., to Gimbel Brothers, Inc., New York, N. Y. Women's scarfs, capes, shawls, etc. 246,778, renewed Sept. 11, 1948. O. G. Jan. 25. Class 39.

Glatfelter, P. H., Company, Spring Grove, Pa. Writing and printing paper. 304,137, June 20, 1933. Republished Jan. 25. Class 37.

Glaxo Laboratories Limited: *See*—
Nathan, Joseph, & Co., Limited.

Glostex Products, Inc., Chicago, Ill. Woven rugs. 506,124, Jan. 25; Serial No. 528,205. Class 42.

Goers Flour Mills Co., Newton, Kans., by Standard Milling Company, Chicago, Ill. Wheat flour. 124,453, Feb. 18, 1919. Republished Jan. 25. Class 46.

Gold Bond Stamp Company, Minneapolis, Minn. Trading stamps. 506,080, Jan. 25; Serial No. 544,443, published Oct. 5, 1948. Class 38.

Golden Age Ginger Ale Company: *See*—
Darsky, N. H.

Golden Star Polish Manufacturing Company, Kansas City, Mo. Polish. 198,680, May 26, 1925. Republished Jan. 25. Class 16.

Goodman and Company, Indianapolis, Ind. Finger rings. 386,831, Apr. 22, 1941. Republished Jan. 25. Class 28.

Goodman and Company, Indianapolis, Ind. Finger rings, necklaces, bracelets, etc. 393,532, Feb. 17, 1942. Republished Jan. 25. Class 28.

Goodman and Company, Indianapolis, Ind. Finger rings, necklaces, bracelets, etc. 397,240, Aug. 25, 1942. Republished Jan. 25. Class 28.

Good Roads Machinery Corporation: *See*—
American Road Machinery Company, Inc.

Gorton-Pew Fisheries Company, Ltd.: *See*—
Smith, Sylvanus, & Co., Inc.

Gradiaz, Annis & Co., Inc., Tampa, Fla. Cigars. 506,075, Jan. 25; Serial No. 542,827, published Oct. 12, 1948. Class 17.

Gray & Dudley Company, Nashville, Tenn. Cooking and heating stoves and furnaces. 506,017, Jan. 25; Serial No. 534,110, published Sept. 28, 1948. Class 34.

Graziadei, Leonardo, to Yankee Polish Co. Inc., New York, N. Y. Leather dressing and polishes. 72,713, renewed Feb. 16, 1949. O. G. Jan. 25. Class 4.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Bird food. 506,014, Jan. 25; Serial No. 534,016, published Sept. 21, 1948. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Mustard and sandwich spread. 506,015, Jan. 25; Serial No. 534,017, published Sept. 28, 1948. Class 46.

Great Atlantic and Pacific Tea Company, The, New York, N. Y. Canned peas, tomato soup, and ketchup. 506,025, Jan. 25; Serial No. 534,773, published Oct. 5, 1948. Class 46.

Greif, L., & Bro., Inc., Baltimore, Md. Topcoats, overcoats, coats, etc. 235,887, Nov. 29, 1927. Republished Jan. 25. Class 39.

Groub, John C., Company, The, doing business as The Jay C. Stores, Seymour and Mitchell, Ind. Wheat flour and coffee. 272,023, June 24, 1930. Republished Jan. 25. Class 46.

Gude Brothers Co., Washington, D. C. Natural flowers and natural plants and floral decorations made of natural flowers. 505,970, Jan. 25; Serial No. 529,374, published Oct. 12, 1948. Class 10.

Guild of Prescription Opticians of America, Inc.: *See*—
Scadron, Louis H.

Gustin-Bacon Manufacturing Company, Kansas City, Mo. Cup and flat nonmetallic gaskets. 434,284, Nov. 18, 1947. Republished Jan. 25. Class 35.

Gutmann and Company, Chicago, Ill. Leather. 506,019, Jan. 25; Serial No. 534,275, published Oct. 19, 1948. Class 1.

Gwaltney, P. D., Jr., & Co., Inc., Smithfield, Va. Smoked hams. 365,405, Mar. 7, 1939. Republished Jan. 25. Class 46.

Hahn, William, & Company, Washington, D. C. Leather, rubber and canvas shoes and hosiery. 122,700, Sept. 10, 1918. Republished Jan. 25. Class 39.

Hahn, William, & Company, Washington, D. C. Leather shoes. 281,980, Apr. 7, 1931. Republished Jan. 25. Class 39.

Haire Publishing Company, New York, N. Y. Magazine for the trade in notions and novelties. 505,984, Jan. 25; Serial No. 531,667, published Oct. 5, 1948. Class 38.

Hall, Martin L., Company, Boston, Mass. Coffee and tea. 506,048, Jan. 25; Serial No. 537,176, published Sept. 21, 1948. Class 46.

Harnischefeger Corporation, Milwaukee, Wis. Electric generators, electric welding generators, electric welding transformers, etc. 505,930, Jan. 25; Serial No. 518,221, published Sept. 28, 1948. Class 21.

Harper-Wyman Company, Chicago, Ill. Gas burners and parts thereof. 505,932, Jan. 25; Serial No. 518,722, published Sept. 28, 1948. Class 34.

Harper-Wyman Company, Chicago, Ill. Gas orifices. 505,933, Jan. 25; Serial No. 518,724, published Sept. 28, 1948. Class 34.

Harper-Wyman Company, Chicago, Ill. Gas burners and parts thereof. 506,934, Jan. 25; Serial No. 518,950, published Sept. 28, 1948. Class 34.

Hartford Element Company, The, Hartford, Conn. Replacement electrical elements. 441,903, Jan. 25; Serial No. 496,380, published Sept. 28, 1948. Class 21.

Harzeld's, Inc., Kansas City, Mo. Women's, misses' and children's shoes. 411,328, Jan. 16, 1945. Republished Jan. 25. Class 39.

Hearst Consolidated Publications, Inc.: *See*—
Magus Magazine Corporation.

Hercules Powder Company, Wilmington, Del. Magazine (periodical). 506,105, Jan. 25; Serial No. 536,717, published Oct. 19, 1948. Class 38.

Hermann & Jacobs Corp., New York, N. Y. Tablecloths, sheets, pillow cases, etc. 435,267, Dec. 16, 1947. Republished Jan. 25. Class 42.

Heuer, Ed., & Co. Jules Jurgensen Watch Co., Bienne, Switzerland, by Jules Jurgensen Corporation, New York, N. Y. Horological instruments. 285,956, Aug. 11, 1931. Republished Jan. 25. Class 27.

Hirsch, Clara, doing business as Rocca, Paris, France. Perfume, rouge, and dentifrice. 441,912, Jan. 25; Serial No. 504,529, published Oct. 5, 1948. Class 6.

Holden, Arthur S., doing business as Gavilan Citrus Association, by Gavilan Citrus Association, Arlington, Calif. Fresh citrus fruits. 330,897, Dec. 17, 1935. Republished Jan. 25. Class 46.

Hollins, William, and Company Limited, Nottingham, England. Woollen piece goods. 506,102, Jan. 25; Serial No. 553,369, published Oct. 5, 1948. Class 42.

Hooker-Inter Company, Los Angeles, Calif. Fresh tomatoes, fresh peaches, fresh citrus fruits, and fresh grapes. 506,114, Jan. 25; Serial No. 506,317. Class 46.

Hotstream Heater Company, The, Cleveland, Ohio. Gas and oil water heaters. 219,772, Oct. 26, 1926. Republished Jan. 25. Class 34.

Houston Oil Field Material Company, Inc., Houston, Tex. Oil well tools and parts thereof. 428,094, Mar. 11, 1947. Republished Jan. 25. Class 23.

Houston Oil Field Material Company, Inc., Houston, Tex. Steel fittings. 432,221, Aug. 26, 1947. Republished Jan. 25. Class 13.

Hovis Limited, London, England. Wheat flour. 441,921, Jan. 25; Serial No. 515,178, published Oct. 5, 1948. Class 46.

Hubbuck, Thomas, & Son Limited, London, England. Linseed oil. 248,531, renewed Oct. 23, 1948. O. G. Jan. 25. Class 16.

Hudnut, Richard, New York, N. Y. Face powder, rouge, and lipstick. 441,933, Jan. 25; Serial No. 524,134, published Oct. 19, 1948. Class 6.

Hudson, J. L., Company, The, Detroit, Mich. Women's underwear. 205,698, Nov. 17, 1925. Republished Jan. 25. Class 39.

Hygrade Food Products Corporation: *See*—
Dunlevy & Brother.

Hygrolit Incorporated, to C. F. Dulken, Kearny, N. J. Preparation for the treatment of textile fibres. 247,396, renewed Sept. 28, 1948. O. G. Jan. 25. Class 6.

Illinois Meat Company, Chicago, Ill. Wafer sliced dried beef, pigs' feet cutlets, etc. 505,948, Jan. 25; Serial No. 526,764, published July 20, 1948. Class 46.

Inland Steel Company, Chicago, Ill. Metal fence posts. 505,982, Jan. 25; Serial No. 531,479, published Sept. 28, 1948. Class 13.

Interchemical Corporation, New York, N. Y. Window curtains and table coverings of coated textile fabrics or of thin plastic film. 506,038, Jan. 25; Serial No. 535,846, published Oct. 12, 1948. Class 42.

Interstate Cotton Oil Refining Co., Sherman, Tex., now by change of name Mrs. Tucker's Foods, Incorporated, by Mrs. Tucker's Foods, Incorporated. Flaked hydrogenated vegetable oils. 434,864, Dec. 9, 1947. Republished Jan. 25. Class 46.

Jackson, Aldrich L., doing business as Federal Engineering Company, assignor to The Federal Engineering Co., Inc., Minneapolis, Minn. Meat tenderizing machines. 505,916, Jan. 25; Serial No. 500,231, published Sept. 28, 1948. Class 23.

Jacquet, Inc., New York, N. Y. Toilet soaps, bath soaps, and liquid soaps. 506,062, Jan. 25; Serial No. 539,524, published Sept. 14, 1948. Class 4.

Jay C. Stores: *See*—
Groub, John C., Company, The.

Jeffers Electronics, Inc., Du Bois, Pa. Combination capacitors and resistors. 506,086, Jan. 25; Serial No. 546,195, published Oct. 12, 1948. Class 21.

Jenkins Publications, Inc., Los Angeles, Calif. Periodical. 506,078–9, Jan. 25; Serial Nos. 544,089–90, published Oct. 5, 1948. Class 38.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Soapless shampoo. 505,924, Jan. 25; Serial No. 513,286, published Oct. 19, 1948. Class 6.

Johnson, Edward E., Inc., St. Paul, Minn. Well screens. 505,962, Jan. 25; Serial No. 528,573, published Oct. 19, 1948. Class 13.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Metal fencing. 505,960, Jan. 25; Serial No. 528,481, published Sept. 28, 1948. Class 13.

Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Ferrous pipe and tubing. 505,961, Jan. 25; Serial No. 528,487, published Sept. 28, 1948. Class 13.

Jones, S. M., doing business as S. M. Jones & Company, New Bern, N. C. Fresh vegetables. 441,915, Jan. 25; Serial No. 510,256, published Nov. 4, 1947. Class 46.

Jones, S. M., & Company: *See*—
Jones, S. M.

Josten Manufacturing Company, Owatonna, Minn. Printed, embossed, and engraved announcements and calling cards. 505,983, Jan. 25; Serial No. 531,609, published Sept. 21, 1948. Class 38.

Jurgensen, Jules, Corporation: *See*—
Heuer, Ed., & Co. Jules Jurgensen Watch Co.

Katsoris, N., Inc., New York, N. Y. Olive oil. 506,121, Jan. 25; Serial No. 519,071. Class 46.

Katz Drug Company, Kansas City, Mo. Aspirin, iron and yeast, etc. 410,079, Nov. 7, 1944. Republished Jan. 25. Class 6.

Kaweah Lemon Co.: *See*—
Lemon Cove Association.

Keglers of America, Inc., Spokane, Wash. Membership cards. 506,108, Jan. 25; Serial No. 547,257, published Oct. 12, 1948. Class 38.

Kern, George, Inc., by George Kern, Inc. (1931), New York, N. Y. Meat. 221,804, Dec. 14, 1926. Republished Jan. 25. Class 46.

Kern, George, Inc. (1931): *See*—
Kern, George, Inc.

Kiplinger Editors, Inc., The, Washington, D. C. Weekly agricultural letter. 506,033, Jan. 25; Serial No. 535,828, published Oct. 12, 1948. Class 38.

Kiplinger Washington Agency, Inc., The, Washington, D. C. Weekly newsletter. 506,031, Jan. 25; Serial No. 535,326, published Oct. 12, 1948. Class 38.

Kiplinger Washington Agency, Inc., The, Washington, D. C. Weekly tax letter. 506,032, Jan. 25; Serial No. 535,827, published Oct. 12, 1948. Class 38.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars. 505,972, Jan. 25; Serial No. 529,774, published Oct. 5, 1948. Class 17.

Klein, D. Emil, Co., Inc., New York, N. Y. Cigars. 505,973, Jan. 25; Serial No. 529,780, published Oct. 5, 1948. Class 17.

Kokomo Sanitary Pottery Corporation, Kokomo, Ind., and Chicago, Ill. Vitreous china water closets, tanks, and bowls. 505,990–1, Jan. 25; Serial Nos. 532,035–6, published Oct. 19, 1948. Class 13.

Krank, Alfred J., St. Paul, Minn., by Consolidated Royal Chemical Corporation, Chicago, Ill. Hair dressing and dandruff remedy. 170,193, July 10, 1923. Republished Jan. 25. Class 6.

Kuenzle & Streiff, New York, N. Y., and Manila, P. I., by Alhambra Cigar & Cigarette Manufacturing Company, Manila, P. I. Cigars and cigarettes. 80,061, Nov. 1, 1910. Republished Jan. 25. Class 17.

Laboratoire Garnier, Paris, France. Hair tonic. 506,112, Jan. 25; Serial No. 499,786. Class 6.

Laher Spring and Tire Corporation, Oakland, Calif. Automotive equipment and accessories. 505,918, Jan. 25; Serial No. 507,263, published Oct. 5, 1948. Class 21.

Lakeside Packing Company, Manitowoc, Wis. Canned vegetables. 221,057, Nov. 23, 1926. Republished Jan. 25. Class 46.

Lakeside Packing Company, Manitowoc, Wis. Canned vegetables. 222,025, Dec. 21, 1926. Republished Jan. 25. Class 46.

Lakeside Packing Company, Manitowoc, Wis. Canned vegetables and pickles. 225,010, Mar. 8, 1927. Republished Jan. 25. Class 46.

La Société en Nom Collectif J. Thiriez Père & Fils, to Societe a Responsibilite Limitee J. Thiriez Pere & Fils & Cartier Bresson, Lille, France. Sewing thread. 175,451, renewed Nov. 6, 1943. O. G. Jan. 25. Class 43.

Lawrence, W. W., & Company: *See*—
Duquesne Paint Company, The.

Lehnhoff-Wyld, Frederic, to Societe des Marques des Laboratoires de Biochimie Medicale, Paris, France. Pharmaceutical products, etc. 165,521, renewed Mar. 13, 1943. O. G. Jan. 25. Class 6.

Lektra Laboratories, Inc., New York, N. Y. Ultra-violet lamps for therapeutic purposes. 506,119, Jan. 25; Serial No. 513,665. Class 44.

Lemon Cove Association, Lemon Cove, Calif. Fresh citrus fruits. 506,057, Jan. 25; Serial No. 539,181, published Sept. 21, 1948. Class 46.

Lemon Cove Association, doing business as Kaweah Lemon Co., Lemon Cove, Calif. Fresh citrus fruits. 506,058, Jan. 25; Serial No. 539,185, published Sept. 21, 1948. Class 46.

Lemon Cove Association, Lemon Cove, Calif. Fresh citrus fruits. 506,059, Jan. 25; Serial No. 539,188, published Sept. 21, 1948. Class 46.

Lerner, Samuel, New York, N. Y. Nonalcoholic, noncereal, maltless beverage. 441,939, Jan. 25; Serial No. 525,614, published Sept. 28, 1948. Class 45.

Liberty Mills, San Antonio, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 301,368, Feb. 28, 1933. Republished Jan. 25. Class 46.

Liberty Mills, San Antonio, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 333,381, Mar. 17, 1936. Republished Jan. 25. Class 46.

Liberty Mills, San Antonio, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 333,939, Apr. 14, 1936. Republished Jan. 25. Class 46.

Lind, William: *See*—
Trippe Barker & Company.

Lind, William, Co.: *See*—
Trippe Barker & Company.

Lipton, Thomas J., Inc., Hoboken, N. J. Tea and packaged soup. 505,985, Jan. 25; Serial No. 531,692, published Sept. 28, 1948. Class 46.

Lodge Plugs Limited, Rugby, England. Spark plugs. 506,072, Jan. 25; Serial No. 542,474, published Oct. 5, 1948. Class 21.

Lonergan Manufacturing Company, Albion, Mich. Space heaters, water heaters, furnaces and oil burners. 505,998, Jan. 25; Serial No. 532,838, published Oct. 12, 1948. Class 34.

Lorain Products Corporation, Lorain, Ohio. Electrical static frequency converters. 506,054, Jan. 25; Serial No. 537,909, published Oct. 5, 1948. Class 21.

Los Angeles Soap Company, Los Angeles, Calif. Soap. 506,020, Jan. 25; Serial No. 534,297, published Aug. 17, 1948. Class 4.

Lowenbaum, R., Manufacturing Co., St. Louis, Mo. Perfume and cologne. 441,911, Jan. 25; Serial No. 506,382, published Oct. 5, 1948. Class 6.

Lowry Coffee Company: *See*—
Lowry-Rodgers Company.

Lowry-Rodgers Company, doing business as Lowry Coffee Company, Philadelphia, Pa. Coffee. 237,230, Jan. 3, 1928. Republished Jan. 25. Class 46.

Lowry-Rodgers Company, doing business as Lowry Coffee Co., Philadelphia, Pa. Coffee. 332,245, Feb. 4, 1936. Republished Jan. 25. Class 46.

Luber-Finer, Incorporated: *See*—
Russell, John K.

Luber-Finer, Incorporated, Los Angeles, Calif. Liquid refiners. 336,765, July 14, 1936. Republished Jan. 25. Class 31.

Luxana, S. A., Barcelona, Spain. Cosmetic and beauty preparations. 506,071, Jan. 25; Serial No. 541,004, published Sept. 14, 1948. Class 6.

Maconochie Brothers, Limited, London, England. Pickle relish. 506,026, Jan. 25; Serial No. 534,794, published Oct. 5, 1948. Class 46.

Magazine Enterprises, Inc.: *See*—
Fan Male, Inc.

Magus Magazine Corporation to Hearst Consolidated Publications, Inc., New York, N. Y. Monthly magazine. 219,451, renewed Oct. 19, 1946. O. G. Jan. 25. Class 38.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric contacts. 401,580, May 25, 1943. Republished Jan. 25. Class 21.

Malt-Diastase Company: *See*—
Maltzyme Company, Inc.

Maltzyme Company, Inc., Long Island City, to Malt-Maltzyme Company, Brooklyn, N. Y. Food product in Diastase Company, Brooklyn, N. Y. granular and flaked form. 244,009, renewed July 3, 1948. O. G. Jan. 25. Class 46.

Mandel & Cohen, New York, by Isidor H. Cohen, Brooklyn, N. Y. Underwear. 293,041, Apr. 5, 1932. Republished Jan. 25. Class 39.

Mandel and Cohen, Inc., by Isidor H. Cohen, New York, N. Y. Pajamas and nightgown for men. 395,831, June 16, 1942. Republished Jan. 25. Class 39.

Marathon Electric Manufacturing Company, to Marathon Electric Manufacturing Corporation, Wausau, Wis. Electric fans, electric motors, electric generator sets, etc. 247,346, renewed Sept. 28, 1948. O. G. Jan. 25. Class 21.

Marathon Electric Manufacturing Corporation: *See*—
Marathon Electric Manufacturing Company.

Marlboro Beverage Company: *See*—
Beverage Distributors, Inc.

Maxwell, Incorporated, Wantagh, by Plexo Preparations, Inc., New York, N. Y. Preparation for use in the treatment of headache, backache and toothache. 249,830, Nov. 20, 1928. Republished Jan. 25. Class 6.

Maryland and Virginia Milk Producers Association, Inc., Charlottesville, Va., and Washington, D. C. Fluid milk, sweet cream, sour cream and buttermilk. 505,964–5, Jan. 25; Serial Nos. 528,809–10, published Oct. 5, 1948. Class 46.

Matchless Metal Polish Company, The, Chicago, Ill., and Glen Ridge, N. J. Buffing and polishing compositions. 407,215, May 23, 1944. Republished Jan. 25. Class 4.

McAdoo & Allen Welting Co.: *See*—
Peabody Leather Company, Inc.
McCullough Tool Company, Los Angeles, Calif. Gun perforating testing in connection with oil wells. 506,106, Jan. 25; Serial No. 528,069, published Sept. 14, 1948. Class 55.
McDonald, Robert L., doing business as Ever-Kleen Sales Co., San Diego, Calif. Felt lined record envelope for holding phonograph record discs and for cleaning the same. 506,127, Jan. 25; Serial No. 539,723. Class 36.
McGraw-Hill Publishing Company, Inc., New York, N. Y. House organ and section of a magazine published monthly. 506,101, Jan. 25; Serial No. 552,996, published Oct. 5, 1948. Class 38.
McLoughlin Bros., Inc., Springfield, Mass. Series of books published from time to time. 506,064, Jan. 25; Serial No. 549,350, published Oct. 5, 1948. Class 38.
Mechanical Home Systems, Incorporated, Chicago, Ill. Gas fired units for central heating of residential structures. 506,957, Jan. 25; Serial No. 528,217, published Oct. 5, 1948. Class 34.
Mercury Battery Charger Co., The, Kansas City, Mo. Combination battery charging and testing apparatus. 441,897, Jan. 25; Serial No. 477,428, published Sept. 28, 1948. Class 21.
Merriam Company, Inc., The, Columbus, Ohio, Baltimore, Md., and Washington, D. C., assignor to The Colson-Merriam Co., Baltimore, Md. Electrically heated food tray wheeled conveyors or trucks, and electrically heated food wheeled conveyors or trucks. 506,042, Jan. 25; Serial No. 536,411, published Sept. 28, 1948. Class 21.
Meta-Mold Awning Company, Bluffton, by The Acklin Stamping Company, Toledo, Ohio. Metal awnings. 395,849, June 16, 1942. Republished Jan. 25. Class 12.
Metropolitan Cigar Corporation, Chicago, Ill. Cigars. 506,989, Jan. 25; Serial No. 531,927, published Oct. 5, 1948. Class 17.
Metropolitan Lithograph & Publishing Co., Everett, Mass. Greeting cards. 441,901, Jan. 25; Serial No. 487,091, published Dec. 3, 1946. Class 38.
Meyer Brothers Coffee and Spice Company, by David G. Evans Coffee Company, St. Louis, Mo. Coffee. 52,200, May 1, 1906. Republished Jan. 25. Class 46.
Meyer Brothers Coffee and Spice Company, by David G. Evans Coffee Company, St. Louis, Mo. Coffee. 69,047–50, May 19, 1908. Republished Jan. 25. Class 46.
Meyer Brothers Coffee and Spice Company, by David G. Evans Coffee Company, St. Louis, Mo. Coffee. 69,689, June 30, 1908. Republished Jan. 25. Class 46.
Michigan Bean Company, Saginaw, Mich. Dried kidney beans. 441,930, Jan. 25; Serial No. 521,023, published Oct. 5, 1948. Class 46.
Midwestern Beverage Laboratories, Inc., St. Louis, Mo. Non-alcoholic, non-cereal, maltless carbonated beverages and syrup and extracts for making the same. 441,922, Jan. 25; Serial No. 517,503, published Oct. 12, 1948. Class 45.
Millville Manufacturing Company, The, Philadelphia, Pa. Cotton piece goods. 506,118, Jan. 25; Serial No. 511,566. Class 42.
Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Adjustable wheeled attachments. 505,958, Jan. 25; Serial No. 528,360, published Sept. 28, 1948. Class 23.
Miracle Adhesives Corporation, Newark, N. J., and New York, N. Y. Prints and publications. 506,091, Jan. 25; Serial No. 548,093, published Oct. 19, 1948. Class 38.
Mission Fruit & Vegetable Co.: *See*—
Mission Fruit & Vegetable Co., Inc.
Mission Fruit & Vegetable Co., Inc., by Mission Fruit & Vegetable Co., Mission, Tex. Fresh citrus fruits and fresh vegetables. 354,789, Feb. 22, 1938. Republished Jan. 25. Class 46.
Modern Food Products Company, San Francisco, Calif. Canned abalone. 506,006, Jan. 25; Serial No. 533,478, published Sept. 21, 1948. Class 46.
Monark Battery Company, Inc., Chicago, Ill. Storage batteries. 506,066, Jan. 25; Serial No. 539,832, published Oct. 5, 1948. Class 21.
Monument Bottling Company, by Ben Domont, Indianapolis, Ind. Nonalcoholic, maltless beverages. 296,450, Aug. 9, 1932. Republished Jan. 25. Class 45.
Moordale Casuals, Inc., by Moordale Casuals, Inc. (1946), Chicago, Ill. Women's, misses', and juniors' suits, coats, dresses, etc. 395,142, May 12, 1942. Republished Jan. 25. Class 39.
Moordale Casuals, Inc. (1946): *See*—
Moordale Casuals, Inc.
Moore, Harry C.: *See*—
Moore, John L. and H. C.
Moore, John L. and H. C., Wichita Falls, Tex. Valves. 441,914, Jan. 25; Serial No. 508,490, published Oct. 19, 1948. Class 13.
Morten Milling Company, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 189,901, Sept. 30, 1924. Republished Jan. 25. Class 46.
Morton Salt Company: *See*—
Mulkey Salt Company.
Mound City Products Co., St. Louis, Mo. Whiskey. 506,055, Jan. 25; Serial No. 538,027, published Sept. 21, 1948. Class 49.
Mountainaire Company: *See*—
Outboard, Marine & Manufacturing Company.
Mulkey Salt Company, by Morton Salt Company, Chicago, Ill. Salt. 340,907, Nov. 24, 1936. Republished Jan. 25. Class 46.
Mumm, G. H., & Co., Société Vinicole de Champagne Successeurs, Paris and Rheims, France. Champagne wines. 441,913, Jan. 25; Serial No. 506,887, published Sept. 21, 1948. Class 47.
Mundet Cork Corporation, Brooklyn and New York, N. Y. Cork discs and crown closures. 441,932, Jan. 25; Serial No. 521,598, published Sept. 14, 1948. Class 50.
Munn & Co. Inc., New York, N. Y., now by change of name Scientific American, Inc. Monthly publication. 505,945, Jan. 25; Serial No. 526,566, published Oct. 5, 1948. Class 38.
Napa & Sonoma Wine Co., by California Cellars, San Francisco, Calif. Wines. 395,554, June 2, 1942. Republished Jan. 25. Class 47.
Naranjo Packing House Company, Woodlake, Calif. Fresh citrus fruits. 506,009, Jan. 25; Serial No. 540,438, published Sept. 28, 1948. Class 46.
Nathan, Joseph & Co., Limited, London, to Glaxo Laboratories Limited, Greenford, England. Milk food for infants and invalids. 71,816, re-renewed Dec. 15, 1948. O. G. Jan. 25. Class 46.
National Chemical & Manufacturing Company, Chicago, Ill. Colored plaster. 506,974, Jan. 25; Serial No. 529,919, published Sept. 7, 1948. Class 12.
National Die Casting Company, Chicago, Ill. Fruit juice extractors. 506,981, Jan. 25; Serial No. 527,226, published Sept. 28, 1948. Class 23.
National Licorice Company, Brooklyn, N. Y. Licorice confection. 134,419, Aug. 31, 1920. Republished Jan. 25. Class 46.
National Licorice Company, Brooklyn, N. Y. Licorice confections. 136,877, Nov. 9, 1920. Republished Jan. 25. Class 46.
National Licorice Company, Brooklyn, N. Y. Licorice candy. 144,878, July 19, 1921. Republished Jan. 25. Class 46.
National Licorice Company, Brooklyn, N. Y. Licorice candy. 148,904, Nov. 29, 1921. Republished Jan. 25. Class 46.
National Licorice Company, Brooklyn, N. Y. Booklet published bi-monthly. 186,099, July 1, 1924. Republished Jan. 25. Class 38.
National Oil Products Co.: *See*—
Nopco Chemical Company.
National Provisioner, Inc., The, Chicago, Ill. Publication issued annually. 506,087, Jan. 25; Serial No. 546,316, published Oct. 5, 1948. Class 38.
National Racing Program, Inc.: *See*—
Racing Intelligence Corporation.
National Telephone Supply Company, The, Cleveland, Ohio. Connecting and terminating devices or sleeves for wires and cables. 506,917, Jan. 25; Serial No. 506,611, published Oct. 5, 1948. Class 21.
Nation Wide Papers, Inc., Omaha, Nebr. Writing papers, bond papers, printing papers, etc. 329,520, Nov. 5, 1935. Republished Jan. 25. Class 37.
Nation Wide Papers, Inc., Omaha, Nebr. Writing paper, printing paper, and bond paper. 336,274, June 30, 1936. Republished Jan. 25. Class 37.
Nation Wide Papers, Inc., Omaha, Nebr. Writing paper and duplicating machine paper. 342,549, Jan. 19, 1937. Republished Jan. 25. Class 37.
Nelson, James, Limited, Nelson, England. Cotton piece goods. 165,591, Mar. 13, 1923. Republished Jan. 25. Class 42.
Nestle-LeMur Company, The: *See*—
Townsend Manufacturing Company, Inc.
Nopco Chemical Company, Harrison, N. J., by change of name from National Oil Products Company. Shampoo. 505,913, Jan. 25; Serial No. 476,302, published Oct. 12, 1948. Class 6.
Nopco Chemical Company, Harrison, N. J., by change of name from National Oil Products Co. Organic wetting agent. 505,910, Jan. 25; Serial No. 507,333, published Oct. 1948. Class 6.
Nopco Chemical Company, Harrison, N. J., now by change of name from National Oil Products Co. High potency vitamin-containing solid. 505,931, Jan. 25; Serial No. 518,554, published Oct. 5, 1948. Class 6.
North & Judd Manufacturing Company, New Britain, Conn. Accessories for harness and saddlery of all kinds. 237,055–6, Jan. 3, 1928. Republished Jan. 25. Class 3.
Nu Bora Soap Company, Inc.: *See*—
Easson Soap, Inc.
Nueces Coffee Co., Corpus Christi, by Texas Coffee Company, Beaumont, Tex. Coffee. 262,391, Oct. 8, 1929. Republished Jan. 25. Class 46.
O'Brien, Anne E.: *See*—
O'Brien, Vincent P.
O'Brien, Vincent P., Belle Harbor, New York, N. Y., assignor to Anne E. O'Brien, New York, N. Y. Christmas tree ornaments. 441,920, Jan. 25; Serial No. 514,030, published Sept. 14, 1948. Class 50.
Ohio Brass Company, The, Mansfield, Ohio. Electrical apparatus and supplies for electric conductors. 506,941, Jan. 25; Serial No. 522,914, published Sept. 14, 1948. Class 21.
Oklahoma Mill Co., The, by Burrus Mill & Elevator Co. of Oklahoma, Kingfisher, Okla. Wheat flour. 162,300, Apr. 8, 1924. Republished Jan. 25. Class 46.

Okonite Company, The, Passaic, N. J. Electric cable. 506,036, Jan. 25; Serial No. 535,592, published Oct. 5, 1948. Class 21.
Olympia Canning Company, Olympia, Wash. Canned fruits. 506,057, Jan. 25; Serial No. 535,593, published Sept. 21, 1948. Class 46.
Omaha Cold Storage Company, also doing business as Bellevue Creamery & Produce Co., Omaha, Nebr. Dressed poultry. 506,003, Jan. 25; Serial No. 533,354, published Sept. 28, 1948. Class 46.
Omaha Packing Company: *See*—
Omaha Packing Company, Inc.
Omaha Packing Company, Inc., to Omaha Packing Company, Chicago, Ill. Butter, eggs, cheese, etc. 241,383, renewed Mar. 24, 1948. O. G. Jan. 25. Class 46.
Oppenheim & McEwan Co., Inc., Albany, N. Y. Coffee. 441,899, Jan. 25; Serial No. 483,693, published Sept. 16, 1947. Class 46.
Orange Products Company: *See*—
Orange Products Co.
Orange Products Co., by Orange Products Company, Orange, Tex. Canned pork and beans, canned blackberries, canned figs, etc. 246,964, Sept. 18, 1928. Republished Jan. 25. Class 46.
Ostbeard, Marine & Manufacturing Company, Galesburg, Ill., assignor, by mesne assignments, to Mountainaire Company. Room coolers. 441,896, Jan. 25; Serial No. 445,505, published Sept. 14, 1948. Class 34.
Owens-Illinois Glass Company, Toledo, Ohio. Bottles made of glass. 506,963, Jan. 25; Serial No. 526,735, published Oct. 19, 1948. Class 33.
Ox Fibre Brush Company, Inc., New York, N. Y. Street brushes and brooms. 391,913–15, Dec. 2, 1941. Republished Jan. 25. Class 29.
Palmer Candy Company: *See*—
Palmer, E. C., W. B., and W. E.
Palmer, E. C., W. B., and W. E., trustees for the W. B. Palmer Estate, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. 506,034, Jan. 25; Serial No. 535,426, published Sept. 28, 1948. Class 46.
Palmer, W. B., Estate: *See*—
Palmer, E. C., W. B., and W. E.
Palmer, William E., trustee: *See*—
Palmer, E. C., W. B., and W. E.
Palmer, Winogene E., trustee: *See*—
Palmer, E. C., W. B., and W. E.
Parfums Weil Paris Co., New York, N. Y. Perfumes, colognes, and toilet waters. 506,104, Jan. 25; Serial No. 553,735, published Oct. 19, 1948. Class 6.
Parva Products Company, Chicago, Ill. Buckles. 293,827, Apr. 19, 1932. Republished Jan. 25. Class 40.
Patt, Conrad J., Chicago, Ill. Bracket type supports for clothes hangers. 505,947, Jan. 25; Serial No. 526,676, published Oct. 19, 1948. Class 13.
Peabody Leather Company, Inc., by McAdoo & Allen Welting Co., Quakertown, Pa. Leathers. 201,715, Aug. 4, 1925. Republished Jan. 25. Class 1.
Peavey, F. H., & Company, Minneapolis, Minn. Agricultural seeds. 505,942–3, Jan. 25; Serial Nos. 523,607–8, published Oct. 12, 1948. Class 1.
Peper, Christian, Tobacco Company, St. Louis, Mo. Cigarettes. 505,929, Jan. 25; Serial No. 562,178, published Oct. 12, 1948. Class 17.
Pepper, Jas. E., & Company, Lexington, Ky. Whiskey. 375,410, Feb. 20, 1940. Republished Jan. 25. Class 49.
Perfecut Scissors Co., Oklahoma City, Okla. Scissors. 430,282, June 10, 1947. Republished Jan. 25. Class 23.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda for adhesive purposes. 198,672, May 26, 1925. Republished Jan. 25. Class 5.
Pickering, Joseph, & Sons, Limited, Sheffield, England. Preparation for whitening all articles of buff or buckskin leather. 70,814, re-renewed Oct. 6, 1948. O. G. Jan. 25. Class 4.
Planters Cotton Oil & Fertilizer Co., Rocky Mount, N. C. Fertilizers. 396,471, July 21, 1942. Republished Jan. 25. Class 10.
Plexo Preparations, Inc: *See*—
Marswell, Incorporated.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Rubber sheeting and pyroxylin sheeting. 506,116, Jan. 25; Serial No. 509,458. Class 1.
Pollak Industries Corporation, Detroit, Mich. Kitchen utensils. 441,928, Jan. 25; Serial No. 520,467, published Sept. 28, 1948. Class 50.
Pontiac Daily Press, The, Pontiac, Mich. Newspaper. 506,076, Jan. 25; Serial No. 542,880, published Oct. 19, 1948. Class 38.
Porte Publishing Company, Salt Lake City, Utah. Magazine. 506,060, June 25; Serial No. 539,434, published Oct. 5, 1948. Class 38.
Posada, Francisco Diaz, Buenos Aires, Argentina. Float valves. 441,896, Jan. 25; Serial No. 478,188, published Sept. 28, 1948. Class 13.
Printers' Ink Publishing Co. Inc., New York, N. Y. Periodical publication published weekly. 506,095, Jan. 25; Serial No. 549,662, published Oct. 19, 1948. Class 38.
Printers' Ink Publishing Co. Inc., New York, N. Y. Periodical publication published weekly. 506,096, Jan. 25; Serial No. 549,663, published Oct. 5, 1948. Class 38.
Printing Arts Research Laboratories, Inc., Santa Barbara, Calif. Chemical preparations. 463,023, Aug. 31, 1943. Republished Jan. 25. Class 6.
Producers' Crop Improvement Association, Piper City, Ill. Field seeds and hybrid seed corn. 391,197, Oct. 28, 1941. Republished Jan. 25. Class 1.
Public Works Journal Corporation, New York, N. Y. Periodicals published from time to time. 506,077, Jan. 25; Serial No. 543,021, published Oct. 19, 1948. Class 38.
Quaker Chemical Products Corporation, Conshohocken, Pa. Lubricating oils and greases, cutting oils, etc. 506,039, Jan. 25; Serial No. 535,873, published Oct. 5, 1948. Class 15.
R-S Products Corporation, Philadelphia, Pa. Industrial furnaces. 506,054, Jan. 25; Serial No. 539,756, published Oct. 12, 1948. Class 34.
Racing Intelligence Corporation, to National Racing Program, Inc., New York, N. Y. Daily periodical. 239,775, renewed Mar. 13, 1948. O. G. Jan. 25. Class 38.
Radiance Limited, Doncaster, Yorkshire, England. Chocolate and sweetmeats. 249,706, renewed Nov. 20, 1948. O. G. Jan. 25. Class 46.
Radio Manufacturers Association, Washington, D. C. Publications. 506,099, Jan. 25; Serial No. 550,732, published Oct. 12, 1948. Class 38.
Rapid Roller Co., Chicago, Ill. Printers' rollers, composition coated rollers, offset and lithograph rollers, etc. 299,303, Nov. 29, 1932. Republished Jan. 25. Class 23.
Rapides Grocery Company: *See*—
Rapides Grocery Company, Inc.
Rapides Grocery Company, Inc., by Rapides Grocery Company, Alexandria, La. Coffee. 220,541, Nov. 9, 1926. Republished Jan. 25. Class 46.
Rare Chemicals, Inc., Harrison, N. J. Preparation for treatment of hypochromic anemia. 505,922, Jan. 25; Serial No. 509,598, published Oct. 5, 1948. Class 6.
Red Jacket Coal Sales Company, Columbus, Ohio. Coal. 506,043, Jan. 25; Serial No. 536,953, published Oct. 19, 1948. Class 1.
Register and Tribune Company, The, Des Moines, Iowa. Newspaper. 506,093, Jan. 25; Serial No. 548,848, published Oct. 19, 1948. Class 38.
Registrar and Transfer Company, New York, N. Y. Calendar of corporation events. 506,063, Jan. 25; Serial No. 539,565, published Oct. 5, 1948. Class 36.
Reich, A., & Sons, by A. Reich & Sons, Inc., Kansas City, Mo. Fresh vegetables. 287,877, Oct. 13, 1931. Republished Jan. 25. Class 46.
Reich, A., & Sons, Inc.: *See*—
Reich, A., & Sons.
Rhealee Stores, Incorporated: *See*—
Fruhman, Sidney.
Richards-Wilcox Manufacturing Company, Aurora, Ill. Hardware for garage doors of the vertical turn-over type. 506,952, Jan. 25; Serial No. 527,255, published Oct. 19, 1948. Class 13.
Richards-Wilcox Manufacturing Company, Aurora, Ill. Metallic sliding door track. 505,956, Jan. 25; Serial No. 527,937, published Oct. 19, 1948. Class 13.
Richmond-Chase Company, San Jose, Calif. Canned fruits, canned vegetables. 134,275, Aug. 24, 1920. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits and canned vegetables. 134,277, Aug. 24, 1920. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits, canned vegetables. 134,530, Sept. 7, 1920. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits. 168,812, May 29, 1923. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned vegetables. 242,966, June 5, 1928. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits and canned vegetables. 244,267, July 17, 1928. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits, canned vegetables. 266,459, Jan. 21, 1930. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Non-alcoholic, non-cereal, maltless beverages. 340,854, Nov. 3, 1936. Republished Jan. 25. Class 45.
Richmond-Chase Company, San Jose, Calif. Fruit juice beverages. 347,487, June 29, 1937. Republished Jan. 25. Class 46.
Richmond-Chase Company, San Jose, Calif. Canned fruits. 433,701, Oct. 28, 1947. Republished Jan. 25. Class 46.
Rocca: *See*—
Hirsch, Clara.
Rochester Soda Water Company, Inc., Rochester, N. Y. Non-alcoholic maltless beverage. 506,049, Jan. 25; Serial No. 537,243, published Oct. 5, 1948. Class 45.
Rockwell Manufacturing Company, Pittsburgh, Pa. Periodical publications, prints, and plans. 506,021, Jan. 25; Serial No. 534,362, published Oct. 12, 1948. Class 38.
Rockwell Manufacturing Company, Pittsburgh, Pa. Periodical publications, prints, and plans. 506,022, Jan. 25; Serial No. 534,363, published Oct. 5, 1948. Class 38.

Rockwell Manufacturing Company, Pittsburgh, Pa. Periodical publications, and prints and plans. 506,073, Jan. 25; Serial No. 542,658, published Oct. 5, 1948. Class 38.

Roma Wine Company, by Schenley Distillers Corporation, doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif. Wines. 422,161, July 9, 1946. Republished Jan. 25. Class 47.

Roma Wine Company, by Schenley Distillers Corporation, doing business as Roma Wine Company, New York, N. Y., and Fresno, Calif. Wines. 434,779, Dec. 9, 1947. Republished Jan. 25. Class 47.

Rosefield, John B., by An-Fo Manufacturing Co., Oakland, Calif. Animal foods. 138,102, Dec. 14, 1920. Republished Jan. 25. Class 46.

Rosefield, J. B., doing business as An-Fo Manufacturing Co., by An-Fo Manufacturing Co., Oakland, Calif. Fly spray and insecticide. 201,133, July 21, 1925. Republished Jan. 25. Class 6.

Rosenfeld, L., & Co., Inc., New York, N. Y. Electric lamps. 506,120, Jan. 25; Serial No. 518,253. Class 21.

Roth, Rauh & Heckel, Inc.: *See*—
Stern-Auer Company, The.

Royal Typewriter Company, Inc., New York, N. Y. Carbon paper. 506,090, Jan. 25; Serial No. 547,874, published Oct. 19, 1948. Class 11.

Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 506,074, Jan. 25; Serial No. 542,662, published Oct. 12, 1948. Class 1.

Rural Gravure Service, Inc., Madison, Wis. Magazine sections published monthly. 505,992, Jan. 25; Serial No. 532,060, published Oct. 5, 1948. Class 38.

Russell, John K., by Luber-Finer, Incorporated, Los Angeles, Calif. Liquid refiners. 332,804, Feb. 25, 1936. Republished Jan. 25. Class 31.

Sacharow, Benjamin F., New York, N. Y. Antiseptic and a deodorant. 505,921, Jan. 25; Serial No. 508,618, published Aug. 31, 1948. Class 6.

Sacks-Barlow Foundries, Inc.: *See*—
Sacks, Louis.

Sacks, Louis, by Sacks-Barlow Foundries, Inc., Newark, N. J. Heel-plates. 27,975, Mar. 17, 1896. Republished Jan. 25. Class 13.

Sacks, Louis, by Sacks-Barlow Foundries, Inc., Newark, N. J. Heel plates. 56,506, Oct. 2, 1906. Republished Jan. 25. Class 13.

Safety Mining Company, by Cardox Corporation, Chicago, Ill. Explosives. 242,120, May 15, 1928. Republished Jan. 25. Class 9.

Safeway Stores Incorporated: *See*—
Beverage Distributors, Inc.
Safeway Stores, Inc.

Safeway Stores, Inc., Los Angeles, Calif., by Safeway Stores, Incorporated, Oakland, Calif. Canned vegetables, canned sweet potatoes, canned fruits, etc. 215,500, July 20, 1926. Republished Jan. 25. Class 46.

Santa Fe Vintage Company, Los Angeles, Calif. Wines. 506,044–5, Jan. 25; Serial Nos. 536,959–60, published Sept. 21, 1948. Class 47.

Scadron, Louis H., New York, N. Y., to Guild of Prescription Opticians of America, Inc., Philadelphia, Pa. Optical instruments, lenses, and optical products. 252,728, renewed Feb. 12, 1949. O. G. Jan. 25. Class 26.

Scharff, J. H., Inc., Orange, N. J. Temperature controlled electrically actuated fire detecting and fire alarm apparatus. 505,968, Jan. 25; Serial No. 529,205, published Sept. 28, 1948. Class 21.

Schenley Distillers Corporation: *See*—
Roma Wine Company.

Scherl & Roth, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Musical instruments. 328,725, Oct. 1, 1935. Republished Jan. 25. Class 36.

Scientific American, Inc.: *See*—
Munn & Co. Inc.

Seeman Brothers, Inc., New York, N. Y. Raspberry sirup, grape juice, orange juice, etc. 228,346, May 31, 1927. Republished Jan. 25. Classes 45 and 46.

Seeman Brothers, Inc., New York, N. Y. Canned sardines, canned kippered herrings, and fat herrings in tomato. 506,004, Jan. 25; Serial No. 533,402, published Aug. 3, 1948. Class 46.

Selig Company, The, Atlanta, Ga. Preparation for cleaning and polishing aluminum. 505,987, Jan. 25; Serial No. 531,853, published Sept. 14, 1948. Class 4.

Selmer, H. & A., Inc., Elkhart, Ind. Musical publications and compositions. 506,089, Jan. 25; Serial No. 547,488, published Oct. 5, 1948. Class 38.

Semet-Solvay Company, by Semet-Solvay Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Coke. 294,750, June 7, 1932. Republished Jan. 25. Class 1.

Sheffield, Inc., Attleboro, Mass. Jewelry. 506,023, Jan. 25; Serial No. 534,477, published Oct. 12, 1948. Class 28.

Shelby Crafto Corp., Chicago, Ill. Ornamental decorations for festive occasions. 505,975, Jan. 25; Serial No. 529,935, published Oct. 5, 1948. Class 50.

Sher-Bair Lamp Shade Co., Chicago, Ill. Shades for electric lamps. 441,940, Jan. 25; Serial No. 525,959, published Sept. 28, 1948. Class 21.

Sherry, Louis, Coffee, Teas & Spices, Inc., Long Island City, N. Y. Coffee. 506,010, Jan. 25; Serial No. 533,825, published Sept. 21, 1948. Class 46.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 323,647, Apr. 23, 1935. Republished Jan. 25. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Ink pigments, printing inks, and lithographing inks. 327,698, Sept. 3, 1935. Republished Jan. 25. Class 11.

Sherwin-Williams Company, The, Cleveland, Ohio. Silk screen outfit. 413,522, May 1, 1945. Republished Jan. 25. Class 50.

Sherwin-Williams Company, The, Cleveland, Ohio. Silk screen outfit. 441,935, Jan. 25; Serial No. 524,742, published Oct. 5, 1948. Class 50.

Silex Company, The, Hartford, Conn. Filters for coffee makers. 506,113, Jan. 25; Serial No. 503,764. Class 31.

Smith-Alsop Paint & Varnish Company, The, Terre Haute, Ind. Flat-finish paint. 249,362, renewed Nov. 13, 1948. O. G. Jan. 25. Class 16.

Smith, Richardson & Conroy, Inc., Jacksonville, to Smith, Richardson & Conroy, Inc., Miami, Fla. Butter. 236,656, renewed Dec. 20, 1947. O. G. Jan. 25. Class 46.

Smith, Sylvanus, & Co., Inc., by Gorton-Pew Fisheries Company, Ltd., Gloucester, Mass. Salted, smoked, pickled, canned fish. 85,690, Mar. 5, 1912. Republished Jan. 25. Class 46.

Societe a Responsibilite Limitee J. Thiriez Pere & Fils & Cartier Bresson: *See*—
La Societe en Mon Collectif J. Thiriez Pere & Fils.

Societe des Marques des Laboratoires de Biochimie Medicale: *See*—
Lehnhoff-Wyld, Frederic.

Societe Parisienne de Laboratoires: *See*—
Compagnie Nationale de Matieres Colorantes, & Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann.

Solar Corporation, Milwaukee, Wis. Storage batteries. 505,971, Jan. 25; Serial No. 529,414, published Oct. 5, 1948. Class 21.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Soda ash, crystals of soda, caustic soda, etc. 88,968, Oct. 29, 1912. Republished Jan. 25. Class 6.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Soda ash, crystals of soda, caustic soda, etc. 129,312, Feb. 10, 1920. Republished Jan. 25. Class 6.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Sesquicarbonate of soda. 168,395, May 22, 1923. Republished Jan. 25. Class 6.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Chemical cleansing and washing compounds. 189,925, Sept. 30, 1924. Republished Jan. 25. Class 4.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Cleansing and washing compounds. 193,830, Jan. 6, 1925. Republished Jan. 25. Class 4.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Chemical preparation recommended for cleansing, bleaching, and softening of hard water. 203,065, Sept. 8, 1925. Republished Jan. 25. Class 6.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Cleansing preparation. 216,267, Aug. 10, 1926. Republished Jan. 25. Class 4.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Preparations used as cleansing agents. 267,770, Feb. 25, 1930. Republished Jan. 25. Class 4.

Solvay Process Company, The, Solvay, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Alkali and alkali-carbonate cleansing preparations. 273,181, July 22, 1930. Republished Jan. 25. Class 4.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Cleansing and scouring compound. 288,094, Oct. 20, 1930. Republished Jan. 25. Class 4.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Preparations used as cleansing agents. 288,151–2, Oct. 20, 1931. Republished Jan. 25. Class 4.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Chemical preparation. 288,309, Oct. 27, 1931. Republished Jan. 25. Class 6.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Chemical preparation. 289,052, Nov. 17, 1931. Republished Jan. 25. Class 6.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Cleansing and scouring compound. 292,468, Mar. 15, 1932. Republished Jan. 25. Class 4.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Preparation used as cleansing agent. 293,169, Apr. 12, 1932. Republished Jan. 25. Class 4.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Insecticides and fungicides. 370,452–3, Aug. 29, 1939. Republished Jan. 25. Class 6.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Caustic soda. 375,563, Feb. 20, 1940. Republished Jan. 25. Class 6.

Solvay Process Company, The, Syracuse, by The Solvay Process Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Chemical preparation for use as a cleansing compound. 376,950, Apr. 9, 1940. Republished Jan. 25. Class 4.

South Atlantic Sales Company, Inc., Baltimore, Md. Macaroni. 441,931, Jan. 25; Serial No. 521,155, published Oct. 5, 1948. Class 46.

Southern Advance Bag & Paper Co. Inc., Bangor, Maine, and Boston, Mass. Kraft wrapping paper. 441,910, Jan. 25; Serial No. 505,259, published Oct. 5, 1948. Class 37.

Spencer Chemical Company, Kansas City, Mo. Solid carbon dioxide, anhydrous ammonia, nitrogen solution. 506,125, Jan. 25; Serial No. 538,190. Class 6.

Spencer Chemical Company, Kansas City, Mo. Solid carbon dioxide, anhydrous ammonia, nitrogen solution, etc. 506,126, Jan. 25; Serial No. 538,192. Class 6.

Sponge Rubber Products Company, The, Shelton, Conn. Rubber sponges. 298,042, Oct. 11, 1932. Republished Jan. 25. Class 1.

Staffordwear, Inc., New York, N. Y. Leather and fabric gloves and mufflers. 506,111, Jan. 25; Serial No. 497,748. Class 39.

Standard Locknut & Lockwasher, Inc.: *See*—
Aeroquip Corporation.

Standard Milling Company: *See*—
Geerz Flour Mills Co.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Lubricating oils. 248,399, renewed Oct. 23, 1948. O. G. Jan. 25. Class 15.

Standard Oil Co., Louisville, Ky. Cylinder oil. 312,707, May 8, 1934. Republished Jan. 25. Class 15.

Standard Ultramarine Co., The, Huntington, W. Va. Ultramarine blue, laundry blue, iron blue, etc. 506,056, Jan. 25; Serial No. 539,097, published Oct. 5, 1948. Class 6.

Stannard, Forrest B., Clinton, Conn. Flexible shower sprays and shower heads. 441,929, Jan. 25; Serial No. 520,572, published Oct. 5, 1948. Class 13.

Stern-Auer Company, The, Cincinnati, to Roth, Rauh & Heckel, Inc., Ripley, Ohio. Shoes. 246,258, renewed Sept. 4, 1948. O. G. Jan. 25. Class 39.

Stonega Coke & Coal Company, Philadelphia, Pa. Coal. 296,844, Aug. 23, 1932. Republished Jan. 25. Class 1.

Stonega Coke & Coal Company, Philadelphia, Pa. Coal. 297,477, Sept. 13, 1932. Republished Jan. 25. Class 1.

Strassburger, Walter, & Co. Inc., New York, N. Y. Rayon cloth textiles. 411,690, Jan. 30, 1945. Republished Jan. 25. Class 42.

Stratford Pen Corporation, New York, N. Y. Fountain pens and pencils and fountain pen and pencil sets. 506,029, Jan. 25; Serial No. 534,937, published Sept. 21, 1948. Class 37.

Strawson Chemical Co. Limited: *See*—
Strawsons.

Strawsons, by The Strawson Chemical Co. Limited, London, England. Insecticides. 67,880, Feb. 25, 1908. Republished Jan. 25. Class 6.

Street & Smith Publications, Inc., New York, N. Y. Section or column in a periodical publication. 506,098, Jan. 25; Serial No. 550,179, published Oct. 5, 1948. Class 38.

Strong Electric Corporation, The, Toledo, Ohio. Arc lamps. 506,085, Jan. 25; Serial No. 545,596, published Oct. 12, 1948. Class 21.

Swartzbaugh Manufacturing Company, The, Toledo, Ohio. Electric food roasters and cookers, electric water heaters, etc. 505,925, Jan. 25; Serial No. 514,510, published Sept. 28, 1948. Class 21.

Syndicate-Arkwright Trading Co., Inc.: *See*—
Syndicate Trading Co.

Syndicate Trading Co., by Syndicate-Arkwright Trading Co., Inc., New York, N. Y. Cotton piece goods. 213,199, May 25, 1926. Republished Jan. 25. Class 42.

Taylor, Taylor & Hobson, Limited, Leicester, England. Electric arc etching machines. 506,030, Jan. 25; Serial No. 535,097, published Oct. 5, 1948. Class 21.

Tennessee Corporation: *See*—
U. S. Phosphoric Products Corporation.

Terven, Lewis A., doing business as Lewis A. Terven Co., assignor to Lewis A. Terven Co., Salinas, Calif. Fresh carrots. 506,024, Jan. 25; Serial No. 534,694, published Oct. 5, 1948. Class 46.

Terven, Lewis A., Co.: *See*—
Terven, Lewis A.

Texas Coffee Company: *See*—
Nueces Coffee Co.

Texas Star Flour Mills, Galveston, Tex. Wheat-flour. 147,175–6, Oct. 4, 1921. Republished Jan. 25. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 153,022, Mar. 7, 1922. Republished Jan. 25. Class 46.

Texas Star Flour Mills, Galveston, Tex. Wheat flour. 159,129, Sept. 19, 1922. Republished Jan. 25. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
Burrus Mill & Elevator Co.
Collin County Mill & Elevator Co.
Liberty Mills.
Morten Milling Company.

Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 296,824–5, Aug. 23, 1932. Republished Jan. 25. Class 46.

Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 359,366, Aug. 16, 1938. Republished Jan. 25. Class 46.

Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat-flour. 390,173, Sept. 9, 1941. Republished Jan. 25. Class 46.

Tex-O-Kan Flour Mills Co., Dallas, Tex. Feed concentrates for stock, poultry and livestick feeds. 411,365, Jan. 16, 1945. Republished Jan. 25. Class 46.

Therma Fabrik Für elektrische Heizung A. G., Schwanden (Glarus), Switzerland. Electrical heating and cooking apparatus. 242,260, renewed May 22, 1948. O. G. Jan. 25. Class 21.

Thompson Chemical Company, Pawtucket, R. I. Materials for coloring low spots on balls or rollers of bearings as a guide for grinding. 434,925, Dec. 9, 1947. Republished Jan. 25. Class 6.

Thompson-Hayward Chemical Company, Kansas City, Mo. Vitamin concentrate. 428,678, Apr. 1, 1947. Republished Jan. 25. Class 6.

Tobacco World Corporation, The, Philadelphia, Pa. Monthly periodicals. 506,084, Jan. 25; Serial No. 545,181, published Oct. 5, 1948. Class 38.

Totzka, Jerry C., doing business as Drug Industries Co., Detroit, Mich. Vitamin capsules. 422,017, June 25, 1946. Republished Jan. 25. Class 6.

Townsend Manufacturing Company, Inc., New York, N. Y., to The Nestle-LeMur Company, Meriden, Conn. Pads for use in the permanent waving of hair, heaters for use in permanent hair waving. 239,384, renewed Apr. 6, 1948. O. G. Jan. 25. Class 44.

Tremco Manufacturing Company, The, Cleveland, Ohio. Mastic compound for caulking, glazing, pointing, etc. 506,051, Jan. 25; Serial No. 537,489, published Sept. 14, 1948. Class 15.

Triangle Publications, Inc., Philadelphia, Pa. Cartoons. 505,966, Jan. 25; Serial No. 528,827, published Oct. 5, 1948. Class 38.

Tripler, F. R., & Co. Inc., New York, N. Y. Pipe tobacco. 505,926, Jan. 25; Serial No. 515,640, published Oct. 12, 1948. Class 17.

Trippe Barker & Company, by W. Lind, doing business as William Lind Co., New York, N. Y. Cotton and linen piece goods. 81,180, Mar. 7, 1911. Republished Jan. 25. Class 42.

Tucker's, Mrs., Foods, Incorporated: *See*—
Interstate Cotton Refining Co.

United Rice Milling Products Company, Inc., New Orleans, La. Packaged rice. 506,065, Jan. 25; Serial No. 539,825, published Sept. 21, 1948. Class 46.

U. S. Phosphoric Products Corporation, New York, by Tennessee Corporation, New York, N. Y., and Atlanta, Ga. Insecticides. 306,737, Sept. 26, 1933. Republished Jan. 25. Class 6.

Urick, W. E., Los Angeles, Calif. Fresh cantaloupes, cauliflower, onion, etc. 144,960, July 19, 1921. Republished Jan. 25. Class 46.

Valentine & Company, by Valentine & Company, Inc., New York, N. Y. Ready-mixed paints. 261,568, Sept. 17, 1929. Republished Jan. 25. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company.

Van Camp Sea Food Co., Inc., Terminal Island, Calif. Canned, smoked, and kippered fish. 238,264, Jan. 31, 1928. Republished Jan. 25. Class 46.

Veteran Foods, Inc.: *See*—
Brewster, E. Franklin.
Brewster, Gordon & Co.

Vick Chemical Company, Philadelphia, Pa., to Vick Chemical Company, New York, N. Y. Medicinal salve. 241,961, renewed May 8, 1948. O. G. Jan. 25. Class 6.

Vinson, Harold S., doing business as Crystal Studio, Ottumwa, Iowa, by Stephen F. Whitman & Son, Inc., Philadelphia, Pa. Packaged confectionery. 269,399, Apr. 8, 1930. Republished Jan. 25. Class 46.

Vitamins, Inc., Chicago, Ill. Vitamin D concentrate. 506,070, Jan. 25; Serial No. 540,945, published Oct. 5, 1948. Class 6.

Wagner, John, & Sons, Philadelphia, Pa. Olive oil. 264,609, Nov. 26, 1929. Republished Jan. 25. Class 46.

Wagner, John, & Sons, Philadelphia, Pa. Cigars, cigarettes, and smoking tobacco. 266,615, Jan. 28, 1930. Republished Jan. 25. Class 17.

Wagner, John, & Sons, Philadelphia, Pa. Cigars, smoking tobacco, and cigarettes. 303,036, May 9, 1933. Republished Jan. 25. Class 17.

Wagner, John, & Sons, Philadelphia, Pa. Rye whiskey, scotch whiskey, Irish whiskey, etc. 315,800, Aug. 7, 1934. Republished Jan. 25. Class 49.

Wagner, John, & Sons, Philadelphia, Pa. Wines and vermouths. 316,009, Aug. 14, 1934. Republished Jan. 25. Class 47.
Wagner, John, & Sons, Philadelphia, Pa. Orange bitters. 324,724, May 28, 1935. Republished Jan. 25. Class 6.
Wallace & Tiernan Products, Inc., Belleville, N. J. Antiseptics. 506,103, Jan. 25; Serial No. 553,438, published Oct. 19, 1948. Class 6.
Ward, William B., Co.: *See*—
Ward, William B.
Ward, William B., doing business as William B. Ward Co., Kansas City, Mo. Bulletin boards. 441,909, Jan. 25; Serial No. 505,139, published Oct. 12, 1948. Class 50.
Warp Brothers: *See*—
Warp, Harold.
Warp, Harold, doing business as Warp Brothers, Chicago, Ill. Metal and plastic perforate sheet material. 505,915, Jan. 25; Serial No. 497,905, published Oct. 5, 1948. Class 13.
Warren, Irmgard M. W., Northwood, England. Mixed alcoholic beverage. 441,918, Jan. 25; Serial No. 512,420, published Sept. 21, 1948. Class 49.
Watkins, J. R., Company, The, Winona, Minn. Toilet soap. 506,005, Jan. 25; Serial No. 533,425, published Aug. 17, 1948. Class 4.
Weber Costello Co., Chicago Heights, Ill. Writing boards. 505,994, Jan. 25; Serial No. 532,777, published Oct. 5, 1948. Class 50.
Weber Costello Co., Chicago Heights, Ill. Writing boards. 505,995, Jan. 25; Serial No. 532,779, published Oct. 5, 1948. Class 50.
Weber Costello Co., Chicago Heights, Ill. Writing boards. 505,996, Jan. 25; Serial No. 532,783, published Oct. 5, 1948. Class 50.
Weber Costello Co., Chicago Heights, Ill. Writing boards. 505,997, Jan. 25; Serial No. 532,784, published Sept. 7, 1948. Class 50.
Weigand, Edwin L., Company, Pittsburgh, Pa. Electric heating units and electric heaters. 505,955, Jan. 25; Serial No. 527,709, published Oct. 5, 1948. Class 21.
Wellington & Company, Inc.: *See*—
Wellington, James T.
Wellington, James T., by Wellington & Company, Inc., Norwood, Mass. Laxative preparation. 99,030, Aug. 11, 1914. Republished Jan. 25. Class 6.
Western California Fish Co., San Francisco, Calif. Canned, kippered, smoked, and salted fish. 168,636, May 29, 1923. Republished Jan. 25. Class 46.
Western (Illionis) Venetian Blind Company, by Westerngrade, Incorporated, Chicago, Ill. Venetian blinds. 384,335, Jan. 14, 1941. Republished Jan. 25. Classes 32, 13, 7, and 40.
Western Tablet & Stationery Corporation, Dayton, Ohio. Paper tablets; account, data or order books; etc. 506,011, Jan. 25; Serial No. 533,658, published Sept. 21, 1948. Class 37.
Westerngrade, Incorporated: *See*—
Western (Illinois) Venetian Blind Company.
Whitehead Metal Products Company, Inc.: *See*—
Whitehead Metal Products Company of New York, Inc.
Whitehead Metal Products Company of New York, Inc., by Whitehead Metal Products Company, Inc., New York, N. Y. Gas automatic hot water storage systems. 312,379, Apr. 24, 1934. Republished Jan. 25. Class 34.
Whitehead Metal Products Company of New York, Inc., by Whitehead Metal Products Company, Inc., New York, N. Y. Hot water tanks and gas automatic hot water storage systems. 312,788, May 8, 1934. Republished Jan. 25. Class 34.
Whiting-Adams Company, Inc.: *See*—
Whiting, John L., & Son Co.
Whiting, John L., & Sons Co., by Whiting-Adams Company, Inc., Boston, Mass. Brushes of all kinds. 52,852, May 22, 1906. Republished Jan. 25. Class 29.
Whitman, Stephen F., & Son, Inc.: *See*—
Vinson, Harold S.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Chocolates. 165,824, Mar. 20, 1923. Republished Jan. 25. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candies. 320,230, Dec. 18, 1934. Republished Jan. 25. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 325,862, July 9, 1935. Republished Jan. 25. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 517,866, Nov. 20, 1945. Republished Jan. 25. Class 46.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 422,480, July 23, 1946. Republished Jan. 25. Class 46.
Whiz Fish Products Company: *See*—
Alhadeff, Nessim.
Whiz Fish Products Company, Seattle, Wash. Canned fish. 505,967, Jan. 25; Serial No. 528,975, published Oct. 5, 1948. Class 46.
Wilcoh Company, The, Moorhead, Minn. Seed potatoes. 441,936, Jan. 25; Serial No. 525,268, published Oct. 19, 1948. Class 1.
Wing, L. J., Mfg. Co., New York, N. Y. Forced draft fans and fans used in ventilating systems. 441,925, Jan. 25; Serial No. 518,333, published Sept. 28, 1948. Class 34.
Wright & Lawrence Laboratories, Inc., Chicago, Ill. Toilet soap. 506,040, Jan. 25; Serial No. 536,330, published Aug. 17, 1948. Class 4.
Wooden Shoe Brewing Company, The, Minster, Ohio. Beer and ale. 506,027, Jan. 25; Serial No. 534,850, published Sept. 21, 1948. Class 48.
Wyeth Incorporated, Philadelphia, Pa. Mixture of protein free maltose and dextrins, prepared cereals, etc. 506,068, Jan. 25; Serial No. 540,226, published Oct. 5, 1948. Class 46.
Yankee Polish Co. Inc.: *See*—
Graziadei, Leonardo.
York-Shipley, Inc., York, Pa. Oil-fired heating units. 505,920, Jan. 25; Serial No. 507,500, published Oct. 12, 1948. Class 34.
Young Dental Manufacturing Company, St. Louis, Mo. Dental plate cleaner and polishes. 506,115, Jan. 25; Serial No. 508,561. Class 4.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. The Consolidated Coal Company. 505,953, Jan. 25; Serial No. 527,289, published Oct. 12, 1948.
Coal. The Consolidated Coal Company. 505,954, Jan. 25; Serial No. 527,445, published Oct. 12, 1948.
Coal. General Coal Company. 285,045, July 14, 1931. Republished Jan. 25.
Coal. Red Jacket Coal Sales Company. 506,043, Jan. 25; Serial No. 536,953, published Oct. 19, 1948.
Coal. Stonega Coke & Coal Company. 296,844, Aug. 23, 1932. Republished Jan. 25.
Coal. Stonega Coke & Coal Company. 297,477, Sept. 13, 1932. Republished Jan. 25.
Coke. Semet-Solvay Company. 294,750, June 7, 1932. Republished Jan. 25.
Flowers and natural plants and floral decorations made of natural flowers. Natural. Gude Brothers Co. 505,970, Jan. 25; Serial No. 529,374, published Oct. 12, 1948.
Fur sealskins. Fouke Fur Company. 505,949, Jan. 25; Serial No. 527,184, published Oct. 12, 1948.
Furs, skins, hides, and pelts. Fouke Fur Company. 505,950, Jan. 25; Serial No. 527,196, published Oct. 12, 1948.
Leather. A. F. Gallun & Sons Corporation. 281,588, Mar. 24, 1931. Republished Jan. 25.
Leather. A. F. Gallun & Sons Corporation. 316,123, Aug. 14, 1934. Republished Jan. 25.
Leather. Gutmann and Company. 506,019, Jan. 25; Serial No. 534,275, published Oct. 19, 1948.
Leather. Fred Rueping Leather Company. 506,074, Jan. 25; Serial No. 542,662, published Oct. 12, 1948.
Leather, Chrome-tanned. A. F. Gallun & Sons. 83,572, Sept. 26, 1911. Republished Jan. 25.
Leather, Vegetable-tanned. A. F. Gallun & Sons. 83,571, Sept. 26, 1911. Republished Jan. 25.
Leathers. Peabody Leather Company, Inc. 201,715, Aug. 4, 1925. Republished Jan. 25.
Rubber sheeting and pyroxylin sheeting. Plymouth Wholesale Dry Goods Corporation. 506,116, Jan. 25; Serial No. 509,458.
Seed potatoes. The Wilcoh Company. 441,936, Jan. 25; Serial No. 525,268, published Oct. 19, 1948.
Seeds, Agricultural. F. H. Peavey & Company. 505,942–3, Jan. 25; Serial Nos. 523,607–8, published Oct. 12, 1948.
Seeds and hybrid seed corn, Field. Producers' Crop Improvement Association. 391,197, Oct. 28, 1941. Republished Jan. 25.
Sponges, Rubber. The Sponge Rubber Products Company. 298,042, Oct. 11, 1932. Republished Jan. 25.

CLASS 3

Accessories for harness and saddlery of all kinds. North & Judd Manufacturing Company. 237,055–6, Jan. 3, 1928. Republished Jan. 25.

CLASS 4

Buffing and polishing compositions used on metal, etc. The Matchless Metal Polish Company. 407,215, May 23, 1944. Republished Jan. 25.
Chemical preparation for use as a cleansing compound. The Solvay Process Company. 376,950, Apr. 9, 1940. Republished Jan. 25.
Cleaner and polishes, Dental plate. Young Dental Manufacturing Company. 506,115, Jan. 25; Serial No. 508,561.
Cleansing and scouring compound. The Solvay Process Company. 288,004, Oct. 20, 1930. Republished Jan. 25.
Cleansing and scouring compound. The Solvay Process Company. 292,468, Mar. 15, 1932. Republished Jan. 25.
Cleansing and washing compounds. The Solvay Process Company. 193,830, Jan. 6, 1925. Republished Jan. 25.

Cleansing and washing compounds, Chemical. The Solvay Process Company. 189,925, Sept. 30, 1924. Republished Jan. 25.
Cleansing preparation. The Solvay Process Company. 216,267, Aug. 10, 1926. Republished Jan. 25.
Cleansing preparations, Alkali and alkali-carbonate. The Solvay Process Company. 23,181, July 22, 1930. Republished Jan. 25.
Detergent for washing felt. The Cowles Detergent Company. 506,110, Jan. 25; Serial No. 496,544.
Leather dressing and polishes. L. Graziadei. 72,713, renewed Feb. 16, 1949. O. G. Jan. 25.
Polishing and buffing compound. E. Reed Burns Manufacturing Corporation. 505,986, Jan. 25; Serial No. 531,769, published Sept. 28, 1948.
Preparation for cleaning and polishing aluminum. The Selig Company. 505,987, Jan. 25; Serial No. 531,853, published Sept. 14, 1948.
Preparation for whitening all articles of buff or buckskin leather. Joseph Pickering & Sons, Limited. 70,814, re-renewed Oct. 6, 1948. O. G. Jan. 25.
Preparation used as cleansing agent. The Solvay Process Company. 293,169, Apr. 12, 1932. Republished Jan. 25.
Preparations used as cleansing agents. The Solvay Process Company. 267,770, Feb. 25, 1930. Republished Jan. 25.
Preparations used as cleaning agents. The Solvay Process Company. 288,151–2, Oct. 20, 1931. Republished Jan. 25.
Shaving cream, shaving stick, toilet soap, etc. Avon Products, Inc. 506,046, Jan. 25; Serial No. 536,991, published Sept. 14, 1948.
Soap. Esson Soap, Inc. 308,359, Dec. 5, 1933. Republished Jan. 25.
Soap. Emergency Laboratories. 251,982, Jan. 22, 1929. Republished Jan. 25.
Soap. Los Angeles Soap Company. 506,020, Jan. 25; Serial No. 534,297, published Aug. 17, 1948.
Soap, Toilet. The J. R. Watkins Company. 506,005, Jan. 25; Serial No. 533,425, published Aug. 17, 1948.
Soap, Toilet. Wright & Lawrence Laboratories, Inc. 506,040, Jan. 25; Serial No. 536,330, published Aug. 17, 1948.
Soaps, Toilet, bath soaps and liquid soaps. Jacquet, Inc. 506,062, Jan. 25; Serial No. 539,524, published Sept. 14, 1948.

CLASS 5

Paper, Printing, corrugated paper, bond paper, Book paper. Blake, Moffitt & Towne. 191,504, Nov. 11, 1924. Republished Jan. 25.
Silicate of soda for adhesive purposes. Philadelphia Quartz Company. 198,672, May 26, 1925. Republished Jan. 25.

CLASS 6

Ammonia, baking soda, baking powder, etc., The C. Callahan Company. 232,650, Sept. 13, 1927. Republished Jan. 25.
Antihistaminic preparations. American Cyanamid Company. 506,081, Jan. 25; Serial No. 544,837, published Sept. 14, 1948.
Antiseptic and a deodorant. Benjamin F. Sacharow. 505,921, Jan. 25; Serial No. 508,618, published Aug. 31, 1948.
Antiseptics. Wallace & Tiernan Products, Inc. 506,103, Jan. 25; Serial No. 553,438, published Oct. 19, 1948.
Aspirin, iron and yeast, etc. Katz Drug Company. 410,079, Nov. 7, 1944. Republished Jan. 25.
Bitters, Orange. John Wagner & Sons. 324,724, May 28, 1935. Republished Jan. 25.
Blue. Ultramarine, laundry blue, iron blue, etc. The Standard Ultramarine Co. 506,056, Jan. 25; Serial No. 539,097, published Oct. 5, 1948.
Carbon dioxide, Solid, anhydrous ammonia, nitrogen solution. Spencer Chemical Company. 506,125, Jan. 25; Serial No. 538,190.
Carbon dioxide, Solid, anhydrous ammonia, nitrogen solution, etc. Spencer Chemical Company. 506,126, Jan 25; Serial No. 538,192.
Chemical preparation. The Solvay Process Company. 288,309, Oct. 27, 1931. Republished Jan. 25.
Chemical preparation. The Solvay Process Company. 289,052, Nov. 17, 1931. Republished Jan. 25.
Chemical preparation recommended for cleansing, bleaching, and softening of hard water. The Solvay Process Company. 203,065, Sept. 8, 1925. Republished Jan. 25.
Chemical preparations. Printing Arts Research Laboratories, Inc. 403,023, Aug. 31, 1943. Republished Jan. 25.
Cosmetic and beauty preparations. S. A. Luxana. 506,071, Jan. 25; Serial No. 541,004, published Sept. 14, 1948.
Face powder, rouge, and lipstick. R. Hudnut. 441,933, Jan. 25; Serial No. 524,134, published Oct. 19, 1948.
Fly spray and insecticide. J. B. Rosefield. 201,133, July 21, 1925. Republished Jan. 26, 1949.
Hair dressing and dandruff remedy. A. J. Krank. 170,193, July 10, 1923. Republished Jan. 25.
Hair tonic. Laboratoire Garnier. 506,112, Jan. 25; Serial No. 499,786.
Insecticides. Strawsons. 67,880, Feb. 25, 1908. Republished Jan. 25.
Insecticides. U. S. Phosphoric Products Corporation. 306,737, Sept. 26, 1933. Republished Jan. 25.
Insecticides and fungicides. The Solvay Process Company. 370,452–3, Aug. 29, 1939. Republished Jan. 25.
Laxative preparation. J. T. Wellington. 99,030, Aug. 11, 1914. Republished Jan. 25.
Malt product, Medicated. The British Drug Houses, Limited. 248,338, renewed Oct. 16, 1948. O. G. Jan. 25.
Materials for coloring low spots on balls or rollers of bearings as a guide for grinding. Thompson Chemical Company. 434,925, Dec. 9, 1947. Republished Jan. 25.
Medicinal preparation. The British Drug Houses, Limited. 249,273, renewed Nov. 13, 1948. O. G. Jan. 25.
Perfume and cologne. R. Lowenbaum Manufacturing Co. 441,911, Jan. 25; Serial No. 506,382, published Oct. 5, 1948.
Perfume, rouge, and dentifrice. C. Hirsch. 441,912, Jan. 25; Serial No. 506,529, published Oct. 5, 1948.
Perfumes, colognes, and toilet waters. Parfums Weil Paris Co. 506,104, Jan. 25; Serial No. 553,735, published Oct. 19, 1948.
Pharmaceutical products, etc. F. Lehnhoff-Wyld. 165,521, renewed Mar. 13, 1943. O. G. Jan. 25.
Preparation for the treatment of textile fibres. Hygrolit Incorporated. 247,396, renewed Sept. 25, 1948. O. G. Jan. 25.
Preparation for treatment of hypochromic anemia. Rare Chemicals, Inc. 505,922, Jan. 25; Serial No. 509,599, published Oct. 5, 1948.
Preparation for use in the treatment of headache, backache, and toothache. Marswell, Incorporated. 249,830. Nov. 20, 1928. Republished Jan. 25.
Remedy, Round worm, chocolate flavored laxative, headache tablets, etc. Furst-McNess Company. 505,939, Jan. 25; Serial No. 522,765, published Oct. 12, 1948.
Salve, Medicinal. Vick Chemical Company. 241,961, renewed May 8, 1948. O. G. Jan. 25.
Sesquicarbonate of soda. The Solvay Process Company. 168,395, May 22, 1923. Republished Jan. 25.
Shampoo. Nopco Chemical Company. 505,913, Jan. 25; Serial No. 476,302, published Oct. 12, 1948.
Shampoo, Soapless. The Andrew Jergens Company. 505,924, Jan. 25; Serial No. 513,286, published Oct. 19, 1948.
Skin cream, skin tonic, muscle oil, etc. Elizabeth Arden, Inc. 252,449, renewed Feb. 5, 1949. O. G. Jan. 25.
Soda ash, crystals of soda, caustic soda, etc. The Solvay Process Company. 88,968, Oct. 29, 1912. Republished Jan. 25.
Soda ash, crystals of soda, caustic soda, etc. The Solvay Process Company. 129,312, Feb. 10, 1920. Republished Jan. 25.
Soda, Caustic. The Solvay Process Company. 375,563, Feb. 20, 1940. Republished Jan. 25.
Soil and grain fumigants. Eston Chemicals, Inc. 505,937, Jan. 25; Serial No. 520,500, published Oct. 19, 1948.
Sulfathiazole-sulfadiazine buffered with sodium citrate. Ames Company, Inc. 506,088, Jan. 25; Serial No. 547,415, published Oct. 19, 1948.
Vaccines, etc., Polygenetic and polyvalent. Compagnie Nationale de Matieres Colorantes & Manufactures de Produits Chimiques du Nord Reunies, Etablissements Kuhlmann. 221,807, renewed Dec. 14, 1946. O. G. Jan. 25.
Vitamin B complex compound in tablet form. Broemmel's Pharmaceuticals. 441,902, Jan. 25; Serial No. 487,980, published Oct. 12, 1948.
Vitamin capsules. J. C. Totzka. 422,017, June 25, 1946. Republished Jan. 25.
Vitamin concentrate. Thompson-Hayward Chemical Company. 428,678, Apr. 1, 1947. Republished Jan. 25.
Vitamin containing solid, High potency. Nopco Chemical Company. 505,931, Jan. 25; Serial No. 518,554, published Oct. 5, 1948.
Vitamin D concentrate. Vitamins, Inc. 506,070, Jan. 25; Serial No. 540,945, published Oct. 5, 1948.
Wetting agents, Organic. Nopco Chemical Company. 505,919, Jan. 25; Serial No. 507,333, published Oct. 5, 1948.

CLASS 7

Venetian blinds. Western (Illinois) Venetian Blind Company. 384,355, Jan. 14, 1941. Republished Jan. 25.

CLASS 9

Explosives. Safety Mining Company. 242,120, May 15, 1928. Republished Jan. 25.
Fertilizers. Planters Cotton Oil & Fertilizer Co. 396,471, July 21, 1942. Republished Jan. 25.

CLASS 11

Carbon paper. Royal Typewriter Company, Inc. 506,090, Jan. 25; Serial No. 547,874, published Oct. 19, 1948.
Carbon paper and typewriter ribbons. W. J. Crowley. 236,154, renewed Dec. 6, 1947. O. G. Jan. 25.
Ink pigments, printing inks and lithographing inks. The Sherwin-Williams Company. 327,698, Sept. 3, 1935. Republisehd Jan. 25.
Typewriter ribbons and carbon paper. Columbia Ribbon & Carbon Manufacturing Company, Inc. 506,067, Jan. 25; Serial No. 540,175, published Oct. 19, 1948.

CLASS 29

CLASS 12

Awnings, Metal. Meta-Fold Awning Company. 305,849, June 16, 1942. Republished Jan. 25.
Cement, Portland, and masons cement. Dewey Portland Cement Company. 506,050, Jan. 25; Serial No. 537,295, published Sept. 14, 1948.
Doors, structural panels, panel stock, etc. Farley & Loetscher Manufacturing Company. 302,732, Apr. 25, 1933. Republished Jan. 25.
Mastic compound for caulking, glazing, pointing, etc. The Tremco Manufacturing Company. 506,051, Jan. 25; Serial No. 537,489, published Sept. 14, 1948.
Plaster. E. D. Coddington Manufacturing Company. 252,039, Jan. 22, 1929. Republished Jan. 25.
Plaster, Colored. National Chemical & Manufacturing Company. 505,974, Jan. 25; Serial No. 529,919, published Sept. 7, 1948.
Sawmill products. Capilano Timber Co. Ltd. 248,144, renewed Oct. 16, 1948. O. G. Jan. 25.

CLASS 13

Bathroom fixtures. J. H. Balmer Co. 505,993, Jan. 25; Serial No. 532,108, published Sept. 28, 1948.
Bracket type supports for clothes hangers. C. J. Patt. 505,947, Jan. 25; Serial No. 526,676, published Oct. 19, 1948.
Fencing, Metal. Jones & Laughlin Steel Corporation. 505,960, Jan. 25; Serial No. 528,481, published Sept. 28, 1948.
Hardware for garage doors of the vertical turn-over type. Richards-Wilcox Manufacturing Company. 505,952, Jan. 25; Serial No. 527,255, published Oct. 19, 1948.
Hardware, Venetian blind. The E. W. Carpenter Manufacturing Company. 505,946, Jan. 25; Serial No. 526,573, published Oct. 5, 1948.
Heel-plates. L. Sacks. 27,975, Mar. 17, 1896. Republished Jan. 25.
Heel plates. L. Sacks. 56,506, Oct. 2, 1906. Republished Jan. 25.
Kitchen appliance in the form of a combination portable drainboard, tray and cover. Cincinnati Iron Fence Co. Inc. 441,923, Jan. 25; Serial No. 517,617, published Oct. 19, 1948.
Lawn sprinklers. Balt-Dart Incorporated. 441,919, Jan. 25; Serial No. 512,482, published Oct. 5, 1948.
Pipe and tubing, Ferrous. Jones & Laughlin Steel Corporation. 505,961, Jan. 25; Serial No. 528,487, published Sept. 28, 1948.
Posts, Metal fence. Inland Steel Company. 505,982, Jan. 25; Serial No. 531,479, published Sept. 28, 1948.
Screens, Well. Edward E. Johnson, Inc. 505,962, Jan. 25; Serial No. 528,573, published Oct. 19, 1948.
Sheet material, Metal and plastic perforated. H. Warp. 505,915, Jan. 25; Serial No. 497,905, published Oct. 5, 1948.
Shower sprays and shower heads, Flexible. F. B. Stannard. 441,929, Jan. 25; Serial No. 520,572, published Oct. 5, 1948.
Steel fittings. Houston Oil Field Material Company, Inc. 432,221, Aug. 26, 1947. Republished Jan. 25.
Track, Metallic sliding door. Richards-Wilcox Manufacturing Company. 505,956, Jan. 25; Serial No. 527,937, published Oct. 19, 1948.
Valves. John L. Moore and Harry C. Moore. 441,914, Jan. 25; Serial No. 508,490, published Oct. 19, 1948.
Valves, Float. F. D. Posada. 441,898, Jan. 25; Serial No. 478,188, published Sept. 28, 1948.
Valves, Globe and angle. The Fairbanks Company. 506,001, Jan. 25; Serial No. 533,288, published Sept. 28, 1948.
Valves, Plumbing and steam-fitting. The Fairbanks Company. 506,013, Jan. 25; Serial No. 533,870, published Oct. 19, 1948.
Valves, Steam and water. The Fairbanks Company. 506,012, Jan. 25; Serial No. 533,868, published Oct. 19, 1948.
Valves, Steam, and water valves. The Fairbanks Company. 506,000, Jan. 25; Serial No. 533,287, published Sept. 28, 1948.
Venetian blinds. Western (Illinois) Venetian Blind Company. 384,335, Jan. 14, 1941. Republished Jan. 25.
Washers, Metallic. Aeroquip Corporation. 441,904, Jan. 25; Serial No. 497,436, published Oct. 5, 1948.
Water closets, tanks, and bowls, Vitreous china. Kokomo Sanitary Pottery Corporation. 505,990–1; Jan. 25; Serial Nos. 532,033–6, published Oct. 19, 1948.

CLASS 14

Electrodes for arc welding stainless and alloy steels. Alloy Rods Company. 506,100, Jan. 25; Serial No. 485,391.

CLASS 15

Oil, Cylinder. Standard Oil Co. 312,707, May 8, 1934. Republished Jan. 25.
Oils and greases, Lubricating, cutting oils, etc. Quaker Chemical Products Corporation. 506,039, Jan. 25; Serial No. 535,873, published Oct. 5, 1948.
Oils, Lubricating. Standard Oil Company. 248,399, renewed Oct. 23, 1948. O. G. Jan. 25.

CLASS 16

Linseed oil. Thomas Hubbuck & Son Limited. 248,531, renewed Oct. 23, 1948. O. G. Jan. 25.
Paint, Flat-finish. The Smith-Alsop Paint & Varnish Company. 249,362, renewed Nov. 13, 1948. O. G. Jan. 25.
Paint, Ready-mixed and paste. The Duquesne Paint Company. 118,009, Aug. 14, 1917. Republished Jan. 25.
Paints, paint enamels, lacquers, etc. The Sherwin-Williams Company. 323,647, Apr. 23, 1935. Republished Jan. 25.
Paints, Ready-mixed. Valentine & Company. 261,568, Sept. 17, 1929. Republished Jan. 25.
Polish. Golden Star Polish Manufacturing Company. 198,680, May 26, 1925. Republished Jan. 25.

CLASS 17

Cigarettes. Christian Peper Tobacco Company. 505,929, Jan. 25; Serial No. 562,178, published Oct. 12, 1948.
Cigars. W. P. Allen. 435,331, Dec. 16, 1947. Republished Jan. 25.
Cigars. Jose Escalante & Co. 505,999, Jan. 25; Serial No. 533,239, published Oct. 12, 1948.
Cigars. Gradlaz, Annis & Co., Inc. 506,075, Jan. 25; Serial No. 542,827, published Oct. 12, 1948.
Cigars. Emil D. Klein Co., Inc. 505,972, Jan. 25; Serial No. 529,774, published Oct. 5, 1948.
Cigars. Emil D. Klein Co., Inc. 505,973, Jan. 25; Serial No. 529,780, published Oct. 5, 1948.
Cigars. Metropolitan Cigar Corporation. 505,989, Jan. 25; Serial No. 531,927, published Oct. 5, 1948.
Cigars and cigarettes. Kuenzle & Streiff. 80,061, Nov. 1, 1910. Republished Jan. 25.
Cigars, cigarettes, and smoking tobacco. John Wagner & Sons. 266,615, Jan. 28, 1930. Republished Jan. 25.
Cigars, smoking tobacco, and cigarettes. John Wagner & Sons. 303,036, May 9, 1933. Republished Jan. 25.
Tobacco, Pipe. F. R. Tripler & Co. Inc. 505,926, Jan. 25; Serial No. 515,640, published Oct. 12, 1948.

CLASS 21

Arc etching machines, Electric. Taylor, Taylor & Hobson, Limited. 506,030, Jan. 25; Serial No. 535,097, published Oct. 5, 1948.
Automotive equipment and accessories. Laher Spring and Tire Corporation. 505,918, Jan. 25; Serial No. 507,263, published Oct. 5, 1948.
Batteries, Storage. Monarch Battery Company, Inc. 506,066, Jan. 25; Serial No. 539,832, published Oct. 5, 1948.
Battery charging and testing apparatus, Combination. The Mercury Battery Charger Co. 441,897, Jan. 25; Serial No. 477,428, published Sept. 28, 1948.
Cable, Electric. The Okonite Company. 506,036, Jan. 25; Serial No. 535,592, published Oct. 5, 1948.
Capacitors and resistors, Combination. Jeffers Electronics, Inc. 506,086, Jan. 25; Serial No. 546,195, published Oct. 12, 1948.
Capacitors, Electrical. Cornell-Dubilier Electric Corporation. 506,083, Jan. 25; Serial No. 544,855, published Sept. 28, 1948.
Connecting and terminating devices or sleeves for wires and cables. The National Telephone Supply Company. 505,917, Jan. 25; Serial No. 505,611, published Oct. 5, 1948.
Contacts for electrical switches. Bulldog Electric Products Company. 392,800, Jan. 13, 1942. Republished Jan. 25.
Electric contacts. P. R. Mallory & Co., Inc. 401,580, May 25, 1943. Republished Jan. 25.
Electric equipment and parts therefor, etc. J. H. Cannon. 505,927–8, Jan. 25; Serial Nos. 516,458–9, published Oct. 5, 1948.
Electric fans, electric motors, electric generator sets, etc. Marathon Electric Manufacturing Company. 247,346, renewed Sept. 25, 1948. O. G. Jan. 25.
Electric motors, generators, rotary converters, etc. The Louis Allis Company. 180,349, Feb. 26, 1924. Republished Jan. 25.
Electric motors, generators, rotary converters, etc. The Louis Allis Company. 183,269, Apr. 29, 1924. Republished Jan. 25.
Electric motors, generators, rotary converters, etc. The Louis Allis Company. 191,628, Nov. 11, 1924. Republished Jan. 25.
Electrical apparatus and supplies for electric conductors. The Ohio Brass Company. 505,941, Jan. 25; Serial No. 522,914, published Sept. 14, 1948.
Electrical appliances. Bersted Manufacturing Company. 505,936, Jan. 25; Serial No. 519,721, published Oct. 5, 1948.
Electrical elements, Replacement. The Hartford Element Company. 441,903, Jan. 25; Serial No. 496,380, published Sept. 28, 1948.
Fire detecting and fire alarm apparatus, Temperature controlled electrically actuated. J. H. Scharff, Inc. 505,968, Jan. 25; Serial No. 529,205, published Sept. 28, 1948.
Frequency converters, Electrical static. Lorain Products Corporation. 506,054, Jan. 25; Serial No. 537,909, published Oct. 5, 1948.
Generators, Electric, electric welding generators, electric welding transformers, etc. Harnischefeger Corporation. 505,930, Jan. 25; Serial No. 518,221, published Sept. 28, 1948.

Heaters, Electrical water. The De Laval Separator Company. 441,926, Jan. 25; Serial No. 519,381, published Sept. 28, 1948.
Heating and cooking apparatus, Electrical. Therma Fabrik Für elektrische Heizung A. G. 242,260, renewed May 22, 1948. O. G. Jan. 25.
Heating units, Electric, and electric heaters. Edwin L. Weigand Company. 505,955, Jan. 25; Serial No. 527,709, published Oct. 5, 1948.
Irons, Steam electric. Dry Cleaning Machinery Corporation. 505,940, Jan. 25; Serial No. 522,787, published Oct. 5, 1948.
Lamps, Arc. The Strong Electric Corporation. 506,085, Jan. 25; Serial No. 545,596, published Oct. 12, 1948.
Lamps, Electric. L. Rosenfeld & Co., Inc. 506,120, Jan. 25; Serial No. 518,253.
Roasters and cookers, Electric food, electric water heaters, etc. The Swartzbaugh Manufacturing Company. 505,925, Jan. 25; Serial No. 514,510, published Sept. 28, 1948.
Shades for electric lamps. Sher-Bair Lamp Shade Co. 441,940, Jan. 25; Serial No. 525,959, published Sept. 28, 1948.
Spark plugs. Lodge Plugs Limited. 506,072, Jan. 25; Serial No. 542,474, published Oct. 5, 1948.
Speaker systems. Altec Lansing Corporation. 505,938, Jan. 25; Serial No. 520,598, published Oct. 5, 1948.
Storage batteries. Solar Corporation. 505,971, Jan. 25; Serial No. 529,414, published Oct. 5, 1948.
Transmitters and recorders, etc. Finch Telecommunications, Inc. 441,916, Jan. 25; Serial No. 511,677, published Aug. 17, 1948.
Tray wheeled conveyors or trucks, and electrically heated food wheeled conveyors or trucks, Electrically heated food. The Merriam Company, Inc. 506,042, Jan. 25; Serial No. 536,411, published Sept. 28, 1948.

CLASS 22

Spinners, Trolling. L. M. Davis. 355,751, Mar. 29, 1938. Republished Jan. 25.

CLASS 23

Extractors, Fruit juice. National Die Casting Company. 505,951, Jan. 25; Serial No. 527,226, published Sept. 28, 1948.
Jacks, Mine or timber. E. S. Fields. 422,194, July 9, 1946. Republished Jan. 25.
Reamers, pistons, piston pins, etc. L. O. Beard Tool Company. 362,136, Nov. 15, 1938. Republished Jan. 25.
Road-grading machines, rock crushers, elevators, etc. American Road Machinery Company, Inc. 215,404, July 20, 1926. Republished Jan. 25.
Rollers, Printers', composition coated rollers, offset and lithograph rollers, etc. Rapid Roller Co. 299,303, Nov. 29, 1932. Republished Jan. 25.
Rolling mills, chilled-iron rolls, gray-iron rolls, etc. Farrel-Birmingham Company, Incorporated. 245,978, Aug. 28, 1928. Republished Jan. 25.
Saws, Circular, band saws, rip and panel saws, etc. E. C. Atkins and Company. 230,153, July 12, 1927. Republished Jan. 25.
Scissors. Perfecut Scissors Co. 430,282, June 10, 1947. Republished Jan. 25.
Tenderizing machines, Meat. A. L. Jackson. 505,916, Jan. 25; Serial No. 500,221, published Sept. 28, 1948.
Tools and parts thereof, Oil well. Houston Oil Field Material Company, Inc. 428,094, Mar. 11, 1947. Republished Jan. 25.
Tools for fitting saws. E. C. Atkins and Company. 64,334, Aug. 6, 1907. Republished Jan. 25.
Tools, Hand. The Billings & Spencer Company. 248,759, Oct. 30, 1928. Republished Jan. 25.
Wheeled attachments, Adjustable. Minneapolis-Moline Power Implement Company. 505,958, Jan. 25; Serial No. 528,360, published Sept. 28, 1948.

CLASS 26

Optical instruments, lenses, and optical products. L. H. Scadron. 252,728, renewed Feb. 12, 1949. O. G. Jan. 25.

CLASS 27

Horological instruments. Ed. Huer & Co. Jules Jurgensen Watch Co. 285,956, Aug. 11, 1931. Republished Jan. 25.
Watches and parts of watches. Fabriques Movado. 251,736, renewed Jan. 15, 1949. O. G. Jan. 25.
Watches and watches and attached bracelets. Benrus Watch Company, Inc. 370,243, Aug. 22, 1939. Republished Jan. 25.

CLASS 28

Jewelry. Sheffield, Inc. 506,023, Jan. 25; Serial No. 534,477, published Oct. 12, 1948.
Rings, Finger. Goodman and Company. 386,831, Apr. 22, 1941. Republished Jan. 25.
Rings, Finger, necklaces, bracelets, etc. Goodman and Company. 393,532, Feb. 17, 1942. Republished Jan. 25.
Rings, Finger, necklaces, bracelets, etc. Goodman and Company. 397,240, Aug. 25, 1942. Republished Jan. 25.

CLASS 29

Brooms. Atlantic Southwestern Broom Company. 431,452, July 22, 1947. Republished Jan. 25.
Brushes and brooms, Street. Ox Fibre Brush Company, Inc. 391,913–15, Dec. 2, 1941. Republished Jan. 25.
Brushes of all kinds. John L. Whiting & Sons Co. 52,852, May 22, 1906. Republished Jan. 25.

CLASS 31

Filters for coffee makers. The Silex Company. 506,113, Jan. 25; Serial No. 503,764.
Refiners, Liquid. Luber-Finer, Incorporated. 336,765, July 14, 1936. Republished Jan. 25.
Refiners, Liquid. J. K. Russell. 332,804, Feb. 25, 1936. Republished Jan. 25.

CLASS 32

Blinds, Venetian. Western (Illinois) Venetian Blind Company. 384,335, Jan. 14, 1941. Republished Jan. 25.

CLASS 33

Bottles made of glass. Owens-Illinois Glass Company. 505,963, Jan. 25; Serial No. 528,735, published Oct. 19, 1948.
Bottles, Prescription. Armstrong Cork Company. 505,976, Jan. 25; Serial No. 529,953, published Oct. 12, 1948.
Glass dinner tableware and sets thereof. China & Glass Distributors, Inc. 505,969, Jan. 25; Serial No. 529,231, published Oct. 19, 1948.

CLASS 34

Baffle for boilers, Draft regulating. Fitzgibbons Boiler Company, Inc. 368,998, July 11, 1939. Republished Jan. 25.
Boilers. Fitzgibbons Boiler Company, Inc. 369,000, July 11, 1939. Republished Jan. 25.
Boilers. Fitzgibbons Boiler Company, Inc. 369,002, July 11, 1939. Republished Jan. 25.
Boilers, Gas burning. Fitzgibbons Boiler Company, Inc. 371,215, Sept. 19, 1939. Republished Jan. 25.
Boilers, Steam and hot water. Fitzgibbons Boiler Company, Inc. 179,800, Feb. 19, 1924. Republished Jan. 25.
Boilers, Steam and hot water. Fitzgibbons Boiler Company, Inc. 217,589, Sept. 7, 1926. Republished Jan. 25.
Burners and parts thereof, Gas. Harper-Wyman Company. 505,932, Jan. 25; Serial No. 518,722, published Sept. 28, 1948.
Burners and parts thereof, Gas. Harper-Wyman Company. 505,934, Jan. 25; Serial No. 518,950, published Sept. 28, 1948.
Coolers, Room. Outboard, Marine & Manufacturing Company. 441,896, Jan. 25; Serial No. 445,505, published Sept. 14, 1948.
Damper for boilers, Draft regulating. Fitzgibbons Boiler Company, Inc. 368,997, July 11, 1939. Republished Jan. 25.
Fans, Forced draft, and fans used in ventilating systems. L. J. Wing Mfg. Co. 441,925, Jan. 25; Serial No. 518,333, published Sept. 28, 1948.
Furnaces, Industrial. R-S Products Corporation. 506,064, Jan. 25; Serial No. 539,756, published Oct. 12, 1948.
Gas fired units for central heating of residential structures. Mechanical Home Systems, Incorporated. 505,857, Jan. 25; Serial No. 528,217, published Oct. 5, 1948.
Gas orifices. Harper-Wyman Company. 505,933, Jan. 25; Serial No. 518,724, published Sept. 28, 1948.
Heaters, Gas and oil water. The Hotstream Heater Company. 219,772, Oct. 26, 1926. Republished Jan. 25.
Heaters, Space, water heaters, furnaces, and oil burners. Lonergan Manufacturing Company. 505,998, Jan. 25; Serial No. 532,838, published Oct. 12, 1948.
Heating units, Oil-fired. York-Shipley, Inc. 505,920, Jan. 25; Serial No. 507,500, published Oct. 12, 1948.
Storage systems, Gas automatic hot water. Whitehead Metal Products Company of New York, Inc. 312,379, Apr. 24, 1934. Republished Jan. 25.
Stoves and furnaces, Cooking and heating. Gray & Dudley Company. 506,017, Jan. 25; Serial No. 534,110, published Sept. 28, 1948.
Tanks, Hot water, and gas automatic hot water storage systems. Whitehead Metal Products Company of New York, Inc. 312,788, May 8, 1934. Republished Jan. 25.

CLASS 35

Gaskets, Cup and flat nonmetallic. Gustin-Bacon Manufacturing Company. 434,284, Nov. 18, 1947. Republished Jan. 25.
Packing being commonly sold in the form of compressed sheet packing, gaskets and washers, etc. Colt's Patent Fire Arms Manufacturing Co. 238,458, renewed Feb. 7, 1948. O. G. Jan. 25.
Tires and inner tubes, Non-metallic. The General Tire & Rubber Company. 299,525, Dec. 6, 1932. Republished Jan. 25.

CLASS 36

Envelope for holding phonograph record discs and for cleaning the same, Felt lined record. R. L. McDonald. 506,127, Jan. 25; Serial No. 539,723.
Musical instruments. Scherl & Roth, Inc. 328,725, Oct. 1, 1935. Republished Jan. 25.

CLASS 37

Prints and publications. Miracle Adhesives Corporation.

CLASS 42

Beans, Dried kidney. Michigan Bean Company. 441,930, Jan. 25; Serial No. 521,023, published Oct. 5, 1948.

CLASS 37

Blotting-paper. The Albemarle Paper Manufacturing Company. 72,402, Jan. 26, 1909. Republished Jan. 25.
Envelopes, letterheads, billheads, etc. Gaw-O'Hara Envelope Co. 102,709, Feb. 23, 1915. Republished Jan. 25.
Lead-pencils. Eagle Pencil Company. 70,598, re-renewed Sept. 25, 1948. O. G. Jan. 25.
Paper, Blotting. The Albemarle Paper Manufacturing Company. 242,116, May 15, 1928. Republished Jan. 25.
Paper, Kraft wrapping. Southern Advance Bag & Paper Co. Inc. 441,910. Jan. 25; Serial No. 505,259, published Oct. 5, 1948.
Paper, Printing, corrugated paper, bond paper, book paper. Blake, Moffitt & Towne. 191,504, Nov. 11, 1942. Republished Jan. 25.
Paper tablets; account, data, or order books; etc. Western Tablet & Stationery Corporation. 506,011, Jan. 25; Serial No. 533,658, published Sept. 21, 1948.
Paper, Writing, and duplicating machine paper. Nation Wide Papers, Inc. 342,549, Jan. 19, 1937. Republished Jan. 25.
Paper, Writing and printing. P. H. Glatfelter Company. 304,137, June 20, 1933. Republished Jan. 25.
Paper, Writing, printing paper, and bond paper. Nation Wide Papers, Inc. 336,274, June 30, 1936. Republished Jan. 25.
Papers, Writing, bond papers, printing papers, etc. Nation Wide Papers, Inc. 320,520, Nov. 5, 1935. Republished Jan. 25.
Pens, Fountain, and pencils, and for pen and pencil sets. Stratford Pen Corporation. 506,029, Jan. 25; Serial No. 534,937, published Sept. 21, 1948.

CLASS 38

Agricultural letter, Weekly. The Kiplinger Editors, Inc. 506,033, Jan. 25; Serial No. 535,328, published Oct. 12, 1948.
Announcements and calling cards, Printed, embossed, and engraved. Josten Manufacturing Company. 505,983, Jan. 25; Serial No. 531,609, published Sept. 21, 1948.
Booklet published bi-monthly. National Licorice Company. 186,099, July 1, 1924. Republished Jan. 25.
Calendar of corporation events. Registrar and Transfer Company. 506,063, Jan. 25; Serial No. 539,565, published Oct. 5, 1948.
Cards, Greeting. Metropolitan Lithograph & Publishing Co. 441,901, Jan. 25; Serial No. 487,091, published Dec. 3, 1946.
Cards, Membership. Keglers of America, Inc. 506,108, Jan. 25; Serial No. 547,257, published Oct. 12, 1948.
Cartoons. Triangle Publications, Inc. 505,966, Jan. 25; Serial No. 528,827, published Oct. 5, 1948.
Display signs, Outdoor advertising. Arvey Corporation. 441,917, Jan. 25; Serial No. 511,855, published Feb. 10, 1948.
House organ and section of a magazine published monthly. McGraw-Hill Publishing Company, Inc. 506,101, Jan. 25; Serial No. 552,996, published Oct. 5, 1948.
Magazine. Porte Publishing Company. 506,060, Jan. 25; Serial No. 539,434, published Oct. 5, 1948.
Magazine for the trade in notions and novelties. Haire Publishing Company. 505,984, Jan. 25; Serial No. 531,667, publishing Oct. 5, 1948.
Magazine, Monthly. Magus Magazine Corporation. 219,451, renewed Oct. 19, 1946. O. G. Jan. 25.
Magazine (periodical). Hercules Powder Company. 506,105, Jan. 25; Serial No. 556,717, published Oct. 19, 1948.
Magazine published monthly, Comic. Fan Male, Inc. 505,988, Jan. 25; Serial No. 531,897, published Oct. 5, 1948.
Magazine sections published monthly. Rural Gravure Service, Inc. 505,992, Jan. 25; Serial No. 532,060, published Oct. 5, 1948.
Newsletter, Weekly. The Kiplinger Washington Agency, Inc. 506,031, Jan. 25; Serial No. 535,326, published Oct. 12, 1948.
Newspaper. The Pontiac Daily Press. 506,076, Jan. 25; Serial No. 542,880, published Oct. 19, 1948.
Newspaper. The Register and Tribune Company. 506,093, Jan. 25; Serial No. 548,843, published Oct. 19, 1948.
Newspaper column. D. Draper. 506,092, Jan. 25; Serial No. 548,348, published Oct. 19, 1948.
Periodical. Ace Periodicals Inc. 506,018, Jan. 25; Serial No. 534,221, published Oct. 5, 1948.
Periodical. Current Books, Inc. 506,016, Jan. 25; Serial No. 534,094, published Oct. 5, 1948.
Periodical. Jenkins Publications, Inc. 506,078-9, Jan. 25; Serial Nos. 544,089-90, published Oct. 5, 1948.
Periodical, Daily. Racing Intelligence Corporation. 239,775, renewed Mar. 13, 1948. O. G. Jan. 25.
Periodical, Monthly. P. Frank. 441,927, Jan. 25; Serial No. 519,937, published Mar. 23, 1948.
Periodical published from time to time. John H. Breck, Inc. 506,097, Jan. 25; Serial No. 549,703, published Oct. 5, 1948.
Periodicals, Monthly. The Tobacco World Corporation. 506,084, Jan. 25; Serial No. 545,181, published Oct. 5, 1948.
Periodicals published from time to time. Public Works Journal Corporation. 506,077, Jan. 25; Serial No. 543,021, published Oct. 19, 1948.
Prints and publications. Miracle Adhesives Corporation. 506,091, Jan. 25; Serial No. 548,093, published Oct. 19, 1948.
Publication issued annually. The National Provisioner, Inc. 506,087, Jan. 25; Serial No. 546,316, published Oct. 5, 1948.
Publication, Monthly. Corn Products Refining Company. 506,007, Jan. 25; Serial No. 533,544, published Oct. 5, 1948.
Publication, Monthly. Munn & Co. Inc. 505,945, Jan. 25; Serial No. 526,568, published Oct. 5, 1948.
Publication, Periodic. Capital Classic Association. 506,082, Jan. 25; Serial No. 544,849, published Oct. 5, 1948.
Publication published periodically. Dell Publishing Company, Inc. 505,981, Jan. 25; Serial No. 531,447, published Oct. 5, 1948.
Publication published weekly, Periodical. Printers' Ink Publishing Co. Inc. 506,095, Jan. 25; Serial No. 549,662, published Oct. 19, 1948.
Publication published weekly, Periodical. Printers' Ink Publishing Co. Inc. 506,096, Jan. 25; Serial No. 549,663, published Oct. 5, 1948.
Publications. Radio Manufacturers Association. 506,099, Jan. 25; Serial No. 550,732, published Oct. 12, 1948.
Publications and compositions, Musical. H. & A. Selmer, Inc. 506,089, Jan. 25; Serial No. 547,488, published Oct. 5, 1948.
Publications, Periodical, and prints and plans. Rockwell Manufacturing Company. 506,073, Jan. 25; Serial No. 542,658, published Oct. 5, 1948.
Publications, Periodical, prints and plans. Rockwell Manufacturing Company. 506,021, Jan. 25; Serial No. 534,362, published Oct. 12, 1948.
Publications, Periodical, prints and plans. Rockwell Manufacturing Company. 506,022, Jan. 25; Serial No. 534,363, published Oct. 5, 1948.
Section or column in a periodical publication. Street & Smith Publications, Inc. 506,098, Jan. 25; Serial No. 550,179, published Oct. 5, 1948.
Series of books published from time to time. McLoughlin Bros., Inc. 506,094, Jan. 25; Serial No. 549,350, published Oct. 5, 1948.
Stamps, Trading. Gold Bond Stamp Company. 506,080, Jan. 25; Serial No. 544,443, published Oct. 5, 1948.
Tax letter, Weekly. The Kiplinger Washington Agency, Inc. 506,032, Jan. 25; Serial No. 535,327, published Oct. 12, 1948.

CLASS 39

Aprons, dresses and uniforms. V. F. Fulton. 387,373, May 13, 1941. Republished Jan. 25.
Caps, Men's and boys'. Ely & Walker Dry Goods Company. 240,631, Apr. 3, 1928. Republished Jan. 25.
Coats, Ladies', misses' and small women's. Barkin, Levin & Co. Inc. 228,767, June 7, 1927. Republished Jan. 25.
Dresses and aprons, Ladies', misses', and childrens'. Ely & Walker Dry Goods Company. 247,041, Sept. 18, 1928. Republished Jan. 25.
Gloves and mufflers, Leather and fabric. Staffordwear, Inc. 506,111, Jan. 25; Serial No. 497,748.
Hats, Straw, and felt hats. S. Fruhman. 346,337, May 25, 1937. Republished Jan. 25.
Hosiery. A. B. Andrews Company. 71,420, Nov. 24, 1908. Republished Jan. 25.
Pajamas and nightgown for men. Mandel and Cohen, Inc. 395,831, June 16, 1942. Republished Jan. 25.
Play suits, rompers, overalls, etc., Boys', youths', and infants'. Ely & Walker Dry Goods Company. 238,014, Jan. 24, 1928. Republished Jan. 25.
Scarfs, capes, shawls, etc., Women's. Gimbel Brothers, Inc. 243,778, renewed Sept. 11, 1948. O. G. Jan. 25.
Shoes. Endicott Johnson Corporation. 237,778, Jan. 17, 1928. Republished Jan. 25.
Shoes. Endicott Johnson Corporation. 435,231, Dec. 16, 1947. Republished Jan. 25.
Shoes. The Stern Auer Company. 246,258, renewed Sept. 4, 1948. O. G. Jan. 25.
Shoes and boots. The Abbott Co. 237,983, Jan. 24, 1928. Republished Jan. 25.
Shoes and hosiery, Leather, rubber and canvas. William Hahn & Company. 122,700, Sept. 10, 1918. Republished Jan. 25.
Shoes, Leather. William Hahn & Company. 281,980, Apr. 7, 1931. Republished Jan. 25.
Shoes, Women's, misses', and children's. Harzfeld's, Inc. 411,328, Jan. 16, 1945. Republished Jan. 25.
Suits, coats, dresses, etc., Women's, misses', and juniors'. Moordale Casuals, Inc. 395,142, May 12, 1942. Republished Jan. 25.
Topcoats, overcoats, coats, etc. L. Greif & Bro., Inc. 235,887, Nov. 29, 1927. Republished Jan. 25.
Underwear. Mandel & Cohen. 293,041, Apr. 5, 1932. Republished Jan. 25.
Underwear, Women's. The J. L. Hudson Company. 205,698, Nov. 17, 1925. Republished Jan. 25.

CLASS 40

Buckles. Parva Products Company. 293,327, Apr. 19, 1932. Republished Jan. 25.
Venetian blinds. Western (Illinois) Venetian Blind Company. 384,355, Jan. 14, 1941. Republished Jan. 25.

CLASS 42

Curtains. Bartmann & Bixer, Inc. 335,522-3, June 9, 1936. Republished Jan. 25.
Curtains. Bartmann & Bixer, Inc. 335,561, June 9, 1936. Republished Jan. 25.
Curtains. Bartmann & Bixer, Inc. 335,660, June 9, 1936. Republished Jan. 25.
Curtains, Made up finished window. Bartmann & Bixer, Inc. 389,348, Aug. 5, 1941. Republished Jan. 25.
Curtains, Window. Bartmann & Bixer, Inc. 364,403, Jan. 31, 1939. Republished Jan. 25.
Curtains, Window. Bartmann & Bixer, Inc. 381,420, Sept. 24, 1940. Republished Jan. 25.
Curtains, Window. Bartmann & Bixer, Inc. 390,362, Sept. 23, 1941. Republished Jan. 25.
Curtains, Window. Bartmann & Bixer, Inc. 390,727, Sept. 30, 1941. Republished Jan. 25.
Curtains, Window. Bartmann & Bixer, Inc. 391,390, Nov. 4, 1941. Republished Jan. 25.
Curtains, Window, and table coverings of coated textile fabrics or of thin plastic film. Interchemical Corporation. 506,038, Jan. 25; Serial No. 535,846, published Oct. 12, 1948.
Piece goods, Cotton. The Millville Manufacturing Company. 506,118, Jan. 25; Serial No. 511,566.
Piece goods, Cotton. James Nelson, Limited. 165,591, Mar. 13, 1923. Republished Jan. 25.
Piece goods, Cotton. Syndicate Trading Co. 213,199, May 25, 1926. Republished Jan. 25.
Piece goods, Cotton and linen. Trippe Barker & Company. 81,180, Mar. 7, 1911. Republished Jan. 25.
Piece goods, Woolen. A. D. Ellis Mills Incorporated. 506,100, Jan. 25; Serial No. 550,796, published Sept. 28, 1948.
Piece goods, Woolen. William Hollins and Company Limited. 506,102, Jan. 25; Serial No. 553,369, published Oct. 5, 1948.
Rugs, Woven. Glostex Products, Inc. 506,124, Jan. 25; Serial No. 528,205.
Sheets, sheeting, and pillowcases. Dan River Mills, Incorporated. 433,067, Sept. 23, 1947. Republished Jan. 25.
Tablecloths, sheets, pillow cases, etc. Hermann & Jacobs Corp. 435,267, Dec. 16, 1947. Republished Jan. 25.
Textiles, Rayon cloth. Walter Strassburger & Co. Inc. 411,690, Jan. 30, 1945. Republished Jan. 25.

CLASS 43

Threading, Sewing. La Société En Nom Collectif J. Thiriez Pere & Fils. 175,451, renewed Nov. 6, 1943. O. G. Jan. 25.

CLASS 44

Lamps for therapeutic purposes, Ultra-violet. Lektra Laboratories, Inc. 506,119, Jan. 25; Serial No. 513,665.
Pads for use in the permanent waving of hair, heaters for use in permanent hair waving. Townsend Manufacturing Company, Inc. 239,384, renewed Apr. 6, 1948. O. G. Jan. 25.

CLASS 45

Beverage, Non-alcoholic maltless. Rochester Soda Water Company, Inc. 506,049, Jan. 25; Serial No. 537,243, published Oct. 5, 1948.
Beverage, Nonalcoholic, noncereal, maltless. S. Lerner. 441,939, Jan. 25; Serial No. 525,614, published Sept. 28, 1948.
Beverages and syrup and extracts for making the same, Non-alcoholic, non-cereal, maltless carbonated. Midwestern Beverage Laboratories, Inc. 441,922, Jan. 25; Serial No. 517,503, published Oct. 12, 1948.
Beverages, Nonalcoholic, maltless. Monument Bottling Company. 296,450, Aug. 9, 1932. Republished Jan. 25.
Beverages, Non-alcoholic, non-cereal, maltless. Beverage Distributors, Inc. 505,935, Jan. 25; Serial No. 519,102, published Sept. 21, 1948.
Beverages, Non-alcoholic, non-cereal, maltless. Wm. Franz Beverage Co. 441,934, Jan. 25; Serial No. 524,670, published Oct. 5, 1948.
Beverages, Non-alcoholic, non-cereal, maltless. Richmond-Chase Company. 340,354, Nov. 3, 1936. Republished Jan. 25.
Mineral and carbonated water. N. H. Darsky. 506,053, Jan. 25; Serial No. 537,789, published Oct. 5, 1948.
Root beer and root beer and birch beer extracts. Baker Extract Company. 505,977, Jan. 25; Serial No. 530,158, published Sept. 21, 1948.
Sirup, Raspberry, grape juice, orange juice, etc. Seeman Brothers, Inc. 228,346, May 31, 1927. Republished Jan. 25.
Soft drinks and carbonated waters, Maltless. Durango Coca-Cola Bottling Co. 506,052, Jan. 25; Serial No. 537,668, published Oct. 5, 1948.

CLASS 46

Ammonia, baking soda, baking powder, etc. The C. Callahan Company. 232,650, Sept. 13, 1927. Republished Jan. 25.
Animal foods. J. B. Rosefield. 138,102, Dec. 14, 1920. Republished Jan. 25.
Beans, Dried kidney. Michigan Bean Company. 441,930, Jan. 25; Serial No. 521,023, published Oct. 5, 1948.
Beef, Wafer sliced dried, pigs' feet cutlets, etc. Illinois Meat Company. 505,948, Jan. 25; Serial No. 526,764, published July 20, 1948.
Butter. Smith, Richardson & Conroy, Inc. 236,656, renewed Dec. 20, 1947. O. G. Jan. 25.
Butter, eggs, cheese, etc. Omaha Packing Company, Inc. 241,383, renewed Mar. 24, 1948. O. G. Jan. 25.
Butter, live and dressed poultry and eggs. Alloway Brothers. 178,339, Jan. 8, 1924. Republished Jan. 25.
Candies. Stephen F. Whitman & Son, Inc. 320,230, Dec. 18, 1934. Republished Jan. 25.
Candy. G. W. Chase and Son Mercantile Co. 186,193, July 1, 1924. Republished Jan. 25.
Candy. John O. Gilbert Chocolate Company. 506,041, Jan. 25; Serial No. 536,374, published Oct. 5, 1948.
Candy. E. C. W. B., and W. E. Palmer. 506,034, Jan. 25; Serial No. 535,426, published Sept. 28, 1948.
Candy. Stephen F. Whitman & Son, Inc. 325,862, July 9, 1935. Republished Jan. 25.
Candy. Stephen F. Whitman & Son, Inc. 417,866, Nov. 20, 1945. Republished Jan. 25.
Candy. Stephen F. Whitman & Son, Inc. 422,480, July 23, 1946. Republished Jan. 25.
Candy and ice cream. Fenn Bros., Inc. 506,035, Jan. 25; Serial No. 535,514, published Sept. 21, 1948.
Canned abalone. Modern Food Products Company. 506,006, Jan. 25; Serial No. 533,478, published Sept. 21, 1948.
Canned fish. N. Alhadeff. 377,347, Apr. 30, 1940. Republished Jan. 25.
Canned fish. Whis Fish Products Company. 505,967, Jan. 25; Serial No. 528,975, published Oct. 5, 1948.
Canned fruits. Olympia Canning Company. 506,037, Jan. 25; Serial No. 535,593, published Sept. 21, 1948.
Canned fruits. Richmond-Chase Company. 168,812, May 20, 1923. Republished Jan. 25.
Canned fruits. Richmond-Chase Company. 433,701, Oct. 28, 1947. Republished Jan. 25.
Canned fruits and canned vegetables. Richmond-Chase Company. 134,275, Aug. 24, 1920. Republished Jan. 25.
Canned fruits and canned vegetables. Richmond-Chase Company. 134,277, Aug. 24, 1920. Republished Jan. 25.
Canned fruits and canned vegetables. Richmond-Chase Company. 244,267, July 17, 1928. Republished Jan. 25.
Canned fruits, canned vegetables. Richmond-Chase Company. 134,530, Sept. 7, 1920. Republished Jan. 25.
Canned fruits, canned vegetables. Richmond-Chase Company. 266,459, Jan. 21, 1930. Republished Jan. 25.
Canned peas, tomato soup, and ketchup. The Great Atlantic and Pacific Tea Company. 506,025, Jan. 25; Serial No. 534,773, published Oct. 5, 1948.
Canned pork and beans. Case-Swayne Co., Inc. 506,123, Jan. 25; Serial No. 526,201.
Canned pork and beans, canned blackberries, canned figs, etc. Orange Products Co. 246,964, Sept. 18, 1928. Republished Jan. 25.
Canned red pitted cherries. Fruit Growers Co-Operative. 506,002, Jan. 25; Serial No. 533,291, published Sept. 28, 1948.
Canned sardines, canned kippered herrings, and fat herrings in tomato. Seeman Brothers, Inc. 506,004, Jan. 25; Serial No. 533,402, published Aug. 3, 1948.
Canned sauerkraut. Albion Produce Company, Inc. 506,117, Jan. 25; Serial No. 511,365.
Canned vegetables. John H. Dulany & Son, Inc. 506,008, Jan. 25; Serial No. 533,549, published Sept. 28, 1948.
Canned vegetables. John H. Dulany & Son, Inc. 506,009, Jan. 25; Serial No. 533,551, published Sept. 28, 1948.
Canned vegetables. A. W. Fey. 334,027, Apr. 14, 1936. Republished Jan. 25.
Canned vegetables. Lakeside Packing Company. 221,057, Nov. 23, 1926. Republished Jan. 25.
Canned vegetables. Lakeside Packing Company. 222,025, Dec. 21, 1926. Republished Jan. 25.
Canned vegetables. Richmond-Chase Company. 242,966, June 5, 1928. Republished Jan. 25.
Canned vegetables and pickles. Lakeside Packing Company. 225,010, Mar. 8, 1927. Republished Jan. 25.
Canned vegetables, canned pork and beans, and canned salmon. E. F. Brewster. 91,845, June 3, 1913. Republished Jan. 25.
Canned vegetables, canned sweet potatoes, canned fruits, etc. Safeway Stores, Inc. 215,500, July 20, 1926. Republished Jan. 25.
Cantaloupes, cauliflower, onions, etc., Fresh. W. E. Urick. 144,960, July 19, 1921. Republished Jan. 25.
Carrots, Fresh. L. A. Terven. 506,024, Jan. 25; Serial No. 534,694, published Oct. 5, 1948.
Cheese and cheese spread. Blue Moon Foods, Inc. 441,900, Jan. 25; Serial No. 484,660, published Oct. 5, 1948.
Chocolate and sweetmeats. Radiance Limited. 249,706, renewed Nov. 20, 1948. O. G. Jan. 25.
Chocolates. Stephen F. Whitman & Son, Inc. 165,824, Mar. 20, 1923. Republished Jan. 25.
Coffee. Brewster, Gordon & Co. 154,501, Apr. 18, 1922. Republished Jan. 25.
Coffee. Lowry-Rodgers Company. 237,230, Jan. 3, 1928. Republished Jan. 25.

Coffee. Lowry-Rodgers Co. 332,245, Feb. 4, 1936. Republished Jan. 25.
Licorice confections. National Licorice Company. 136,877, Nov. 9, 1920. Republished Jan. 25.

Wheat-flour. Tex-O-Kan Flour Mills Co. 390,173, Sept. 9, 1941. Republished Jan. 25.

CLASS 50

Boards, Writing. Weber Costello Co. 505,994, Jan. 25;

Coffee. Lowry-Rodgers Co. 332,245, Feb. 4, 1936. Republished Jan. 25.
Coffee. Meyer Brothers Coffee and Spice Company. 52,209, May 1, 1906. Republished Jan. 25.
Coffee. Meyer Brothers Coffee and Spice Company. 69,047–50, May 19, 1908. Republished Jan. 25.
Coffee. Meyer Brothers Coffee and Spice Company. 69,689, June 30, 1908. Republished Jan. 25.
Coffee. Nueces Coffee Co. 262,391, Oct. 8, 1929. Republished Jan. 25.
Coffee. Oppenheim & McEwan Co., Inc. 441,899, Jan. 25; Serial No. 483,693, published Sept. 16, 1947.
Coffee. Rapides Grocery Company, Inc. 220,541, Nov. 9, 1926. Republished Jan. 25.
Coffee. Louis Sherry Coffee, Teas & Spices, Inc. 506,010, Jan. 25; Serial No. 533,625, published Sept. 21, 1948.
Coffee and tea. Martin L. Hall Company. 506,048, Jan. 25; Serial No. 537,176, published Sept. 21, 1948.
Coffee, tea, molasses, etc. Brewster, Gordon & Co. 101,560, Dec. 29, 1914. Republished Jan. 25.
Confectionery, Packaged. H. S. Vinson. 269,390, Apr. 8, 1930. Republished Jan. 25.
Feed concentrates for stock, poultry and livestock feeds. Tex-O-Kan Flour Mills Co. 411,365, Jan. 16, 1945. Republished Jan. 25.
Feed, Poultry and stock. Collin County Mill & Elevator Co. 289,229, Nov. 24, 1931. Republished Jan. 25.
Feeds, Stock, poultry feeds, horse and mule feeds. Burrus Mill & Elevator Co. 262,614, Oct. 15, 1929. Republished Jan. 25.
Fish, Canned kippered, smoked, and salted. Western California Fish Co. 168,636, May 29, 1923. Republished Jan. 25.
Fish, Canned, smoked, and kippered. Van Camp Sea Food Co., Inc. 238,264, Jan. 31, 1928. Republished Jan. 25.
Fish, Salted, smoked, pickled, canned. Sylvanus Smith & Co., Inc. 85,690, Mar. 5, 1912. Republished Jan. 25.
Flavoring extracts used in foods and for food purposes. Flornsynth Laboratories Incorporated. 441,906, Jan. 25; Serial No. 500,383, published Apr. 15, 1947.
Flour, Hard wheat first clear. Atkinson Milling Company. 506,028, Jan. 25; Serial No. 534,864, published Oct. 5, 1948.
Flour, Wheat. The Arnold Milling Company. 261,939, Sept. 24, 1929. Republished Jan. 25.
Flour, Wheat. H. C. Cole Milling Company. 255,870, Apr. 30, 1929. Republished Jan. 25.
Flour, Wheat. Collin County Mill & Elevator Co. 182,644, Apr. 15, 1924. Republished Jan. 25.
Flour, Wheat. Goerz Flour Mills Co. 124,453, Feb. 18, 1919. Republished Jan. 25.
Flour, Wheat. Hovis Limited. 441,921, Jan. 25; Serial No. 515,178, published Oct. 5, 1948.
Flour, Wheat. The Oklahoma Mill Co. 182,300, Apr. 8, 1924. Republished Jan. 25.
Flour, Wheat. Texas Star Flour Mills. 153,022, Mar. 7, 1922. Republished Jan. 25.
Flour, Wheat. Texas Star Flour Mills. 159,129, Sept. 19, 1922. Republished Jan. 25.
Flour, Wheat, and coffee. The John C. Groub Company. 272,023, June 24, 1930. Republished Jan. 25.
Food, Bird. The Great Atlantic and Pacific Tea Company. 506,014, Jan. 25; Serial No. 534,016, published Sept. 21, 1948.
Food product in granular and flaked form. Maltzyme Company, Inc. 244,009, renewed July 3, 1948. O. G. Jan. 25.
Foods in concentrated and dehydrated packaged form. N. C. Coan. 402,691, Aug. 10, 1943. Republished Jan. 25.
Fruit juice beverages. Richmond-Chase Company. 347,487, June 29, 1937. Republished Jan. 25.
Fruits, Fresh. M. Gilbert. 369,883, Aug. 8, 1939. Republished Jan. 25.
Fruits, Fresh citrus. A. S. Holden. 330,897, Dec. 17, 1935. Republished Jan. 25.
Fruits, Fresh citrus. Lemon Cove Association. 506,057, Jan. 25; Serial No. 539,181, published Sept. 21, 1948.
Fruits, Fresh citrus. Lemon Cove Association. 506,058, Jan. 25; Serial No. 539,185, published Sept. 21, 1948.
Fruits, Fresh citrus. Lemon Cove Association. 506,059, Jan. 25; Serial No. 539,188, published Sept. 21, 1948.
Fruits, Fresh citrus. Naranjo Packing House Company. 506,069, Jan. 25; Serial No. 540,438, published Sept. 28, 1948.
Fruits, Fresh citrus, and fresh vegetables. Mission Fruit & Vegetable Co., Inc. 354,789, Feb. 22, 1938. Republished Jan. 25.
Grapes, Fresh. M. Gilbert. 208,292, Jan. 26, 1926. Republished Jan. 25.
Hams, Smoked. P. D. Gwaltney, Jr. & Co., Inc. 365,405, Mar. 7, 1939. Republished Jan. 25.
Lard. Dunlevy & Brother. 68,634, re-renewed Apr. 21, 1948. O. G. Jan. 25.
Licorice candy. National Licorice Company. 144,878, July 19, 1921. Republished Jan. 25.
Licorice candy. National Licorice Company. 148,904, Nov. 29, 1921. Republished Jan. 25.
Licorice confection. National Licorice Company. 134,419, Aug. 31, 1920. Republished Jan. 25.
Licorice confections. National Licorice Company. 136,877, Nov. 9, 1920. Republished Jan. 25.
Macaroni. South Atlantic Sales Company, Inc. 441,931, Jan. 25; Serial No. 521,155, published Oct. 5, 1948.
Maltose and dextrins, Mixture of protein free, prepared cereals, etc. Wyeth Incorporated. 506,068, Jan. 25; Serial No. 540,226, published Oct. 5, 1948.
Mash for use as a poultry feed. Flory Milling Company, Inc. 506,122, Jan. 25; Serial No. 523,577.
Meat. George Kern, Inc. 221,804, Dec. 14, 1926. Republished Jan. 25.
Milk, cream, and butter. Alta Vista Creamery Company. 68,411, Apr. 7, 1908. Republished Jan. 25.
Milk, Fluid, sweet cream, sour cream, and buttermilk. Maryland and Virginia Milk Producers Association, Inc. 505,964–5, Jan. 25; Serial Nos. 528,809–10, published Oct. 5, 1948.
Milk food for infants and invalids. Joseph Nathan & Co., Limited. 71,816, re-renewed Dec. 15, 1948. O. G. Jan. 25.
Mustard and sandwich spread. The Great Atlantic and Pacific Tea Company. 506,015, Jan. 25; Serial No. 534,017, published Sept. 28, 1948.
Olive oil. N. Katsoris, Inc. 506,121, Jan. 25; Serial No. 519,071.
Olive oil. John Wagner & Sons. 264,609, Nov. 26, 1929. Republished Jan. 25.
Peanuts, Specially processed roasted and salted Virginia. B. J. Bowlby. 441,941, Jan. 25; Serial No. 497,697.
Pop corn, Raw. American Pop Corn Company. 361,157, Oct. 11, 1938. Republished Jan. 25.
Pop corn, Raw. American Pop Corn Company. 361,757, Nov. 1, 1938. Republished Jan. 25.
Pop corn, Shelled. American Pop Corn Company. 275,421, Sept. 23, 1930. Republished Jan. 25.
Poultry, Dressed. Omaha Cold Storage Company. 506,003, Jan. 25; Serial No. 533,354, published Sept. 28, 1948.
Preparation in the form of a powder for use as a stabilizer and balancing agent in ice cream and other confections. Frozen Drumstick Sales Company. 441,908, Jan. 25; Serial No. 503,070, published Sept. 28, 1948.
Product containing corn syrup, sugar syrup, egg albumen, etc. The Central Ohio Supply Co. 441,924, Jan. 25; Serial No. 517,971, published Oct. 5, 1948.
Raisins, Dry. Harry Arakelian & Son. 208,033, Jan. 19, 1926. Republished Jan. 25.
Relish, Pickle. Maconochie Brothers, Limited. 506,026, Jan. 25; Serial No. 534,794, published Oct. 5, 1948.
Rice, Packaged. United Rice Milling Products Company, Inc. 506,065, Jan. 25; Serial No. 539,825, published Sept. 21, 1948.
Salt. Mulkey Salt Company. 340,907, Nov. 24, 1936. Republished Jan. 25.
Sausage. Armour and Company. 505,959, Jan. 25; Serial No. 528,400, published Oct. 5, 1948.
Sirup, Raspberry, grape juice, orange juice, etc. Seeman Brothers, Inc. 228,346, May 31, 1927. Republished Jan. 25.
Substances used as food or as ingredients of food. W. J. Bush & Company Limited. 250,914, renewed Dec. 18, 1948. O. G. Jan. 25.
Tea. Gordon Brewster & Co. 122,430, Aug. 20, 1918. Republished Jan. 25.
Tea. Gordon Brewster & Co. 122,635, Sept. 3, 1918. Republished Jan. 25.
Tea and packaged soup. Thomas J. Lipton Inc. 505,985, Jan. 25; Serial No. 531,692, published Sept. 28, 1948.
Tea, coffee, canned vegetables, etc. Gordon Brewster & Co. 101,561, Dec. 29, 1914. Republished Jan. 25.
Tomatoes, Fresh, fresh peaches, fresh citrus fruits, and fresh grapes. Hooker-Inter Company. 506,114, Jan. 25; Serial No. 506,317.
Vegetable oil, Modified and compound. W. A. Cleary Corporation. 505,944, Jan. 25; Serial No. 524,687, published Oct. 5, 1948.
Vegetable oils, Flaked hydrogenated. Interstate Cotton Oil Refining Co. 434,864, Dec. 9, 1947. Republished Jan. 25.
Vegetables, Fresh. California Vegetable Growers. 506,107, Jan. 25; Serial No. 517,886, published Sept. 28, 1948.
Vegetables, Fresh. S. M. Jones. 441,915, Jan. 25; Serial No. 510,256, published Nov. 4, 1947.
Vegetables, Fresh. A. Reich & Sons. 287,877, Oct. 13, 1931. Republished Jan. 25.
Wheat-flour. Collin County Mill & Elevator Co. 182,035, Apr. 1, 1924. Republished Jan. 25.
Wheat-flour. Collin County Mill & Elevator Co. 342,809, Feb. 2, 1937. Republished Jan. 25.
Wheat-flour. Liberty Mills. 301,368, Feb. 28, 1933. Republished Jan. 25.
Wheat-flour. Liberty Mills. 333,381, Mar. 17, 1936. Republished Jan. 25.
Wheat-flour. Liberty Mills. 333,939, Apr. 14, 1936. Republished Jan. 25.
Wheat-flour. Morten Milling Company. 189,901, Sept. 30, 1924. Republished Jan. 25.
Wheat-flour. Texas Star Flour Mills. 147,175–6, Oct. 4, 1921. Republished Jan. 25.
Wheat-flour. Tex-O-Kan Flour Mills Co. 296,824–5, Aug. 23, 1932. Republished Jan. 25.
Wheat-flour. Tex-O-Kan Flour Mills Co. 359,366, Aug. 16, 1938. Republished Jan. 25.

Wheat-flour. Tex-O-Kan Flour Mills Co. 390,173, Sept. 9, 1941. Republished Jan. 25.
Yeast hydrolysate or yeast protein digest. Anheuser-Busch, Inc. 441,907, Jan. 25; Serial No. 501,038, published Jan. 28, 1947.

CLASS 47

Champagne wines. G. H. Mumm & Co. 441,913, Jan. 25; Serial No. 506,887, published Sept. 21, 1948.
Wines. California Grape Products Co., Ltd. 506,047, Jan. 25; Serial No. 537,000, published Sept. 21, 1948.
Wines. Napa & Sonoma Wine Co. 395,554, June 2, 1942. Republished Jan. 25.
Wines. Roma Wine Company. 422,161, July 9, 1946. Republished Jan. 25.
Wines. Roma Wine Company. 434,779, Dec. 9, 1947. Republished Jan. 25.
Wines. Santa Fe Vintage Company. 506,044–5, Jan. 25; Serial Nos. 536,959–60, published Sept. 21, 1948.
Wines and vermouths. John Wagner & Sons. 316,009, Aug. 14, 1934. Republished Jan. 25.

CLASS 48

Beer and ale. F. W. Cook Company, Inc. 506,061, Jan. 25; Serial No. 539,496, published Oct. 5, 1948.
Beer and ale. The Wooden Shoe Brewing Company. 506,027, Jan. 25; Serial No. 534,850, published Sept. 21, 1948.

CLASS 49

Beverage, Mixed alcoholic. I. M. W. Warren. 441,918, Jan. 25; Serial No. 512,420, published Sept. 21, 1948.
Brandy. Distilled Liquors Import Co., Inc. 505,978–9, Jan. 25; Serial Nos. 531,022–3, published Sept. 21, 1948.
Whiskey. Fromm and Sichel, Inc. 441,937–8, Jan. 25; Serial Nos. 525,583–4, published Sept. 21, 1948.
Whiskey. Mound City Products Co. 506,055, Jan. 25; Serial No. 538,027, published Sept. 21, 1948.
Whiskey. Jas. E. Pepper & Company. 375,410, Feb. 20, 1940. Republished Jan. 25.
Whiskey, Rye, Scotch whiskey, Irish whiskey, etc. John Wagner & Sons. 315,800, Aug. 7, 1934. Republished Jan. 25.

CLASS 50

Boards, Writing. Weber Costello Co. 505,994, Jan. 25; Serial No. 532,777, published Oct. 5, 1948.
Boards, Writing. Weber Costello Co. 505,995, Jan. 25; Serial No. 532,779, published Oct. 5, 1948.
Boards, Writing. Weber Costello Co. 505,996, Jan. 25; Serial No. 532,783, published Oct. 5, 1948.
Boards, Writing. Weber Costello Co. 505,997, Jan. 25; Serial No. 532,784, published Sept. 7, 1948.
Bottle closures, etc. Brooks Brothers. 505,980, Jan. 25; Serial No. 531,305, published Sept. 28, 1948.
Bulletin boards. W. B. Ward. 441,909, Jan. 25; Serial No. 505,139, published Oct. 12, 1948.
Cork discs and crown closures. Mundet Cork Corporation. 441,932, Jan. 25; Serial No. 521,598, published Sept. 14, 1948.
Glass fabric, Impregnated. American Medical Glass Company. 433,236, Sept. 30, 1947. Republished Jan. 25.
Kitchen utensils. Pollak Industries Corporation. 441,928, Jan. 25; Serial No. 520,467, published Sept. 28, 1948.
Manicure kits. J. Emerson. 441,905, Jan. 25; Serial No. 497,533, published Aug. 17, 1948.
Ornamental decorations for festive occasions. Shelby Crafto Corp. 505,975, Jan. 25; Serial No. 520,935, published Oct. 5, 1948.
Ornaments, Christmas tree. V. P. O'Brien. 441,920, Jan. 25; Serial No. 514,059, published Sept. 14, 1948.
Pallets and skids. General Box Company. 505,914, Jan. 25; Serial No. 497,538, published Oct. 19, 1948.
Silk screen outfit. The Sherwin-Williams Company. 413,522, May 1, 1945. Republished Jan. 25.
Silk screen outfit. The Sherwin-Williams Company. 441,935, Jan. 25; Serial No. 524,742, published Oct. 5, 1948.
Toothbrush and receptacle therefor, Combined. Gem Die & Mold Company. 505,923, Jan. 25; Serial No. 513,047, published May 11, 1948.

CLASS 55

Testing in connection with oil wells, Gun perforating. McCullough Tool Company. 506,106, Jan. 25; Serial No. 528,069, published Sept. 14, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Duncan, Gordon W.: *See*—
Zimmer, John C., and Duncan.

Eck, Howard W., deceased, East Lansing, Mich., by L. B. and H. F. Kilgore, Washington, D. C., assignees, and J. H. Ford, Kalamazoo, Mich. Lethal composition for insects. Re. 23,080, Jan. 25.

Electrofio Corporation, assignee: *See*—
Rockwell, Edward A.

Ford, Jared H.: *See*—
Eck, Howard W.

Kilgore, Helen F., assignee: *See*—
Eck, Howard W.

Kilgore, Lowell B., assignee: *See*—
Eck, Howard W.

Rockwell, Edward A., Shaker Heights, assignor to Electrofio Corporation, Cleveland, Ohio. Apparatus including power unit for setting brakes. Re. 23,081, Jan. 25.

Standard Oil Development Company, assignee: *See*—
Zimmer, John C., and Duncan.

Zimmer, John C., Union, and G. W. Duncan, Westfield, N. J., assignors to Standard Oil Development Company. Grease composition. Re. 23,082, Jan. 25.

LIST OF DESIGN PATENTEES

Allen, Raymond, assignee: *See*—
Kendall, Osmond, and Loach.

Atlanta Stove Works, Inc., The, assignee: *See*—
King, Jay F., and White.

Balcrank, Inc., assignee: *See*—
Field, Richard P.

Balog, Paul J., North Hollywood, Calif. Lady's night-gown. 152,448, Jan. 25.

Bausch & Lomb Optical Company, assignee: *See*—
Stegeman, Raymond F. E.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 152,449, Jan. 25.

Bender, Joseph M., Manhasset, assignor to Jacoby-Bender, Inc., New York, N. Y. Expansible link chain for a bracelet or the like. 152,450, Jan. 25.

Blakeslee, Herbert G., Evanston, assignor to Cory Corporation, Chicago, Ill. Combined collar and handle for a coffee maker bowl or the like. 152,451, Jan. 25.

Blecher, Boris, Philadelphia, Pa. Ash tray. 152,452, Jan. 25.

Bogoff, Herman, Chicago, Ill. Bracelet or the like. 152,453, Jan. 25.

Bogoff, Herman, Chicago, Ill. Bracelet or the like. 152,454, Jan. 25.

Braun, Julius, assignor to W. Braun Co., Chicago, Ill. Bottle. 152,455, Jan. 25.

Braun, W., Co., assignee: *See*—
Braun, Julius.

Butler, Arvilla K., assignee: *See*—
Potts, Clifford.

Butler, Louis A., assignee: *See*—
Potts, Clifford.

Buxbaum, Mac, and M. Lebensfeld, Flushing, N. Y. Console bar with aquarium. 152,456, Jan. 25.

Chernow, Michael, New York, N. Y. Earring or similar article. 152,457, Jan. 25.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cory Corporation, assignee: *See*—
Blakeslee, Herbert G.

Dawson, James S., New York, N. Y. Bookstand. 152,458, Jan. 25.

Dawson, James S., New York, N. Y. Bookstall. 152,459, Jan. 25.

Don Manufacturing Co., assignee: *See*—
Huszagh, Ralph D.

Dumovits, Sydney D., Brooklyn, N. Y. Wedding ring. 152,460, Jan. 25.

Elliott, George E., Birmingham, Ala. Toothbrush and glass holder. 152,461, Jan. 25.

Erickson, Ernest R., Des Moines, Iowa. Milk bottle case or similar article. 152,462, Jan. 25.

Field, Richard P., Cincinnati, assignor to Balcrank, Inc., Disney near Marburg, Cincinnati, Ohio. Lubricant dispensing device. 152,463, Jan. 25.

Fostoria Glass Company, assignee: *See*—
Heintze, Walter T.

Frumkes, Joseph, Harrison, N. Y. Coat. 152,464, Jan. 25.

Frumkes, Joseph, Harrison, N. Y. Coat. 152,465, Jan. 25.

Frumkes, Joseph, Harrison, N. Y. Coat. 152,466, Jan. 25.

Frumkes, Joseph, Harrison, N. Y. Coat. 152,467, Jan. 25.

Gaertner, Fred J., Maplewood, N. J. Jewelry setting or similar article. 152,468, Jan. 25.

Goodman, Morris, Indianapolis, Ind. Jewelry setting. 152,469, Jan. 25.

Graven, Nettie E., Wooster, Ohio. Cookie jar or similar article. 152,470, Jan. 25.

Hallander, Elvin E.: *See*—
Schladermundt, Peter, and Metzler, and Hallander.

Hartnett, Paul L., Leominster, Mass. Pair of scissors. 152,471, Jan. 25.

Hawkinson, Bertil E., Duluth, Minn. Bird house. 152,472, Jan. 25.

Heim, Jacques, Paris, France. Bottle. 152,473, Jan. 25.

Heintze, Walter T., Elizabeth, N. J., assignor to Fostoria Glass Company, Moundsville, W. Va. Ash tray. 152,474, Jan. 25.

Hueter, Otto W., Toledo, Ohio. Article holding guard or the like. 152,475, Jan. 25.

Huszagh, Ralph D., assignor to Don Manufacturing Co., Chicago, Ill. Register. 152,476, Jan. 25.

Huszagh, Ralph D., assignor to Don Manufacturing Co., Chicago, Ill. Register. 152,477, Jan. 25.

Hutchinson, Francis H., Denver, and C. T. Walsh, Larimer County, Colo. Fish mouth opener or similar article 152,478, Jan. 25.

International Projector Corporation, assignee: *See*—
Schladermundt, Peter, Metzler, and Hallander.

Jacoby-Bender, Inc., assignee: *See*—
Bender, Joseph M.

Jung, Albert H., Flushing, assignor to Victor Industries Corporation, Brooklyn, N. Y. Container cap. 152,479, Jan. 25.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,480, Jan. 25.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 152,481, Jan. 25.

Kendall, Osmond, Ottawa, Ontario, and S. W. Loach, assignors to R. Allen, Toronto, Ontario, Canada. Combined sound and motion-picture projector and carrying case therefor. 152,482, Jan. 25.

King, Jay F., Marietta, and J. N. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 152,483, Jan. 25.

King, Jay F., Marietta, and J. N. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Gas heater. 152,484, Jan. 25.

Leach, Ralph T., Evansville, Ind. Combined ash tray and glass holder. 152,485, Jan. 25.

Lebensfeld, Moe: *See*—
Buxbaum, Mac, and Lebensfeld.

Loach, Smiley W.: *See*—
Kendall, Osmond, and Loach.

Lorillard, Elaine G., assignor to Ostby & Barton Company, Providence, R. I. Combined ring and perfume container. 152,486, Jan. 25.

Mansold, Aurel E., New York, N. Y. Spectacle frame. 152,487, Jan. 25.

Meltzer, Henry E., Racine, Wis. Amalgam mixer. 152,488, Jan. 25.

Metzler, Charles L.: *See*—
Schladermundt, Peter, Metzler, and Hallander.

O'Brien, Doris E., Billings, Mont. Drip catcher for a bottle. 152,489, Jan. 25.

O'Brien, Vincent P., Belle Harbor, N. Y. Christmass tree ornament. 152,490, Jan. 25.

Ohio Brass Company, assignee: *See*—
Stelzer, Harry.

Stelzer, Harry, New York, N. Y. Adjustable belt. 152,503, Jan. 25.

Ohio Porcelain Company, assignee: *See*—
Potts, Clifford.
Ostby & Barton Company, assignee: *See*—
Lortillard, Elaine G.
Ostier, Marianne, New York, N. Y. Combined wrist watch and strap therefor. 152,491, Jan. 25.
Peters, Lewis E.: *See*—
Price, Raymond M., and Peters.
Pfaltz, Albert, Flushing, N. Y. Lamp. 152,492, Jan. 25.
Platt, Sam, Brooklyn, N. Y. Blouse or similar article. 152,493, Jan. 25.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,494, Jan. 25.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,495, Jan. 25.
Premack, Hyman A., Chicago, Ill. Road signal or the like. 152,496, Jan. 25.
Price, Raymond M., Chesterton, Ind., and L. E. Peters, Chicago, Ill.; said Peters assignor to said Price. Illuminable display sign. 152,497, Jan. 25.
Rosenbaum, Edward A., Milwaukee, Wis. Smoker's pipe rack. 152,498, Jan. 25.
Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades Park, and E. E. Hallander, West Caldwell, assignors to International Projector Corporation, Bloomfield, N. J. Casing for dry cleaning machines. 152,499, Jan. 25.
Schwarz, Ernst G., New York, N. Y. Ball pendant watch or similar article. 152,500, Jan. 25.
Sebastian, Anna M., Cairo, Ill. Panties. 152,501, Jan. 25.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple. 152,502, Jan. 25.
Stelzer, Harry, New York, N. Y. Adjustable belt. 152,503, Jan. 25.
Taylor, Carl C.: *See*—
Taylor, James Y. and C. C.
Taylor, James Y. and C. C., assignors to J. Y. Taylor Company, Garland, Tex. Projection apparatus. 152,504, Jan. 25.
Taylor, J. Y., Company, assignee: *See*—
Taylor, James Y. and C. C.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,505, Jan. 25.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,506, Jan. 25.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,507, Jan. 25.
Trigére, Robert, New York, N. Y. Coat or the like. 152,508, Jan. 25.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Waldinger, Maurice J., New York, N. Y. Combined clip and point protector for fountain pens or the like. 152,509, Jan. 25.
Waldinger, Maurice J., New York, N. Y. Combination clip and cap for ball pens or the like. 152,510, Jan. 25.
Walsh, Cyral T.: *See*—
Hutchinson, Francis H., and Walsh.
Whatley, Josephine B., Fluvanna, Tex. Shoe. 152,511, Jan. 25.
White, Joseph N.: *See*—
King, Jay F., and White.
Ziegenfuss, Truman S., Los Angeles, Calif. Combination twin bed unit. 152,512, Jan. 25.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 25TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Rotation rate change generator. 2,460,115, Jan. 25.
Adiman, William C., New York, N. Y. Spool holder. 2,460,209, Jan. 25.
Advance Manufacturing, Inc., assignee: *See*—
Kirkpatrick, Henry O.
Aeromat Products Company, Inc., assignee: *See*—
Summerville, Donald V.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Beckel, Arthur C., and Belter.
Ramp, Russell M.
Alderson, John W., Oakland, Calif., assignor to the United States of America as represented by the Secretary of War. Millivolt control unit. 2,459,784, Jan. 25.
Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Making confectioneries. 2,459,908, Jan. 25.
All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.
Allerton, Charles E., Morrisville, Pa. Locking device. 2,459,785, Jan. 25.
Allied Chemical & Dye Corporation, assignee: *See*—
Teeters, Wilber O.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Krause, Erwin W.
Marti, Othmar K.
Marti, Othmar K., and Steinberg.
Alofs, Herman G., assignor to Alofs Manufacturing Company, Grand Rapids, Mich. Utility garment hanger. 2,459,909, Jan. 25.
Alofs Manufacturing Company, assignee: *See*—
Alofs, Herman G.
Alsop, Ernest A., and H. V. King, Melbourne, Victoria, Australia. Clothespin. 2,460,162, Jan. 25.
Alvin, Walter C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Making tool parts. 2,459,910, Jan. 25.
Amalgamated Wireless (Australasia) Limited: *See*—
Roadle, Ronald D.
American Brake Shoe Company, assignee: *See*—
Wilson, Rosser L., and Knauer.
American Fixture & Manufacturing Co., assignee: *See*—
Nash, John J.
American Locomotive Company, assignee: *See*—
Weber, Theodore R.
American Smelting and Refining Company, assignee: *See*—
Palmer, Sidney L., and Beckes.
American Steel Foundries, assignee: *See*—
Baselet, Walter H.
American Viscose Corporation, assignee: *See*—
Francis, Carleton S., Jr.
Andersen, Bjorn: *See*—
Dreyfus, Camille, Andersen, and Kojevnikoff.
Anderson, John N.: *See*—
Lautrup, George W., and Anderson.
Anner, Georg: *See*—
Miescher, Karl, and Anner.
Arbee Products Company, assignee: *See*—
Smith, Travis O.
Armour and Company, assignee: *See*—
Sifferd, Robert H.
Arth, Glen E.: *See*—
Harris, Stanton A., and Arth.
Aspelin, Leslie L.: *See*—
Gavin, Edward M., Grey, Aspelin, and Tate.
Autocar Company, The, assignee: *See*—
Bachman, Benjamin B., and Macklin.
Automotive Products Company Limited, assignee: *See*—
Parnell, Frank G.
Simpson, John K.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Ten key entry mechanism. 2,459,862, Jan. 25.
Bachman, Benjamin B., Philadelphia, and D. J. Macklin, St. Davids, assignors to The Autocar Company, Ardmore, Pa. Auxiliary transmission. 2,459,911, Jan. 25.
Baker, Earl R.: *See*—
Doyle, William T., and Baker.
Baldock, Harold: *See*—
Scalfe, Charles W., Smith, and Baldock.
Bamay, Limited, assignee: *See*—
Heller, Oswald.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Barnaby, Hugh S.: *See*—
Jones, Leo D., and Barnaby.
Barrett, Bracell, Galena Park, Tex. Toolholder. 2,460,210, Jan. 25.
Barrows, Donald S., and E. H. Blattner, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck journal box mounting. 2,460,211, Jan. 25.
Bartgis Bros., The, assignee: *See*—
Lupton, Elmer H.
Bartlett, Jeffrey H.: *See*—
McNab, John G., and Bartlett.
Rogers, Dilworth T., and Bartlett.
Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Hanger support. 2,460,248, Jan. 25.
Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,460,116, Jan. 25.
Beaman, Bernard, J. Hulman, and R. A. Stein, Dayton, Ohio. Hydraulic pressure pump or motor. 2,459,786, Jan. 25.
Bechtol, Lavon D.: *See*—
McBee, Earl T., and Bechtol.
Beck, Koller and Company (England) Limited, assignee: *See*—
Robinson, Ralph S., and Humburger.
Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Still and decanter for the recovery of products from alcoholic solutions of oleaginous materials. 2,460,117, Jan. 25.
Beckes, Lloyd M.: *See*—
Palmer, Sidney L., and Beckes.
Beemer, Paul K., Inglewood, assignor to Preco Incorporated, Los Angeles, Calif. Bunker and air circulating fan assembly for refrigerator cars. 2,459,912, Jan. 25.
Beich, Paul F., Company, assignee: *See*—
Alikonic, Justin J.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Buchanan, Russell B.
Christensen, Carl J., and Walker.
Curtis, Austen M.
Dickieson, Alton C.
Kannenberg, Walter F.
Southworth, George C.
Watson, Edward F.
Bellios, Constantinos, Brooklyn, N. Y. Mixer for gas burners. 2,460,057, Jan. 25.
Belter, Paul A.: *See*—
Beckel, Arthur C., and Belter.
Bendix Aviation Corporation, assignee: *See*—
Britton, Karl B.
Flanagan, Robert M.
Wirth, Emil O., and Barfod.
Bennett, Robert M., Birmingham Township, Chester County, Pa., assignor to General Electric Company. Circuit interrupter. 2,460,118, Jan. 25.
Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical brazing of conductors. 2,459,863, Jan. 25.
Bergmann, Richard F., Winnetka, Ill., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Shaft coupling. 2,460,249, Jan. 25.
Betz, W. H. and L. D., assignees: *See*—
Kahler, Harry L.
Bickley, Everett H., Bala-Cynwyd, Pa. Positioning objects for automatic color sorting. 2,460,212, Jan. 25.
Bigelo-Lipstak Corporation, assignee: *See*—
Werner, Nels E.
Billisly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Mixed silica-alumina, silica-magnesia catalyst. 2,459,987, Jan. 25.
Billeter, Jean R.: *See*—
Miescher, Karl, Heer, and Billeter.
Binns, Geoffrey L.: *See*—
Lacey, Charles W. G., and Binns.
Bishop, Richard: *See*—
Graves, Orman L., and Bishop.
Bissett, Norman T., Reading, and N. C. Moore, Haverbille, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Strap cutting tool. 2,459,864, Jan. 25.
Blattner, Emil H.: *See*—
Barrows, Donald S., and Blattner.
Blewett, John P., and R. V. Langmuir, Schenectady, N. Y., assignors to General Electric Company. Magnetron. 2,460,119, Jan. 25.

Ohio Porcelain Company, assignee: *See*—
Potts, Clifford.
Ostby & Barton Company, assignee: *See*—
Lortillard, Elaine G.
Ostier, Marianne, New York, N. Y. Combined wrist watch and strap therefor. 152,491, Jan. 25.
Peters, Lewis E.: *See*—
Price, Raymond M., and Peters.
Pfaltz, Albert, Flushing, N. Y. Lamp. 152,492, Jan. 25.
Platt, Sam, Brooklyn, N. Y. Blouse or similar article. 152,493, Jan. 25.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,494, Jan. 25.
Potts, Clifford, assignor to L. A. and A. K. Butler, doing business as Ohio Porcelain Company, Zanesville, Ohio. Cigarette holder or similar article. 152,495, Jan. 25.
Premack, Hyman A., Chicago, Ill. Road signal or the like. 152,496, Jan. 25.
Price, Raymond M., Chesterton, Ind., and L. E. Peters, Chicago, Ill.; said Peters assignor to said Price. Illuminable display sign. 152,497, Jan. 25.
Rosenbaum, Edward A., Milwaukee, Wis. Smoker's pipe rack. 152,498, Jan. 25.
Schladermundt, Peter, Bronxville, N. Y., and C. L. Metzler, Palisades Park, and E. E. Hallander, West Caldwell, assignors to International Projector Corporation, Bloomfield, N. J. Casing for dry cleaning machines. 152,499, Jan. 25.
Schwarz, Ernst G., New York, N. Y. Ball pendant watch or similar article. 152,500, Jan. 25.
Sebastian, Anna M., Cairo, Ill. Panties. 152,501, Jan. 25.
Stegeman, Raymond F. E., Greece, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Spectacle temple. 152,502, Jan. 25.
Stelzer, Harry, New York, N. Y. Adjustable belt. 152,503, Jan. 25.
Taylor, Carl C.: *See*—
Taylor, James Y. and C. C.
Taylor, James Y. and C. C., assignors to J. Y. Taylor Company, Garland, Tex. Projection apparatus. 152,504, Jan. 25.
Taylor, J. Y., Company, assignee: *See*—
Taylor, James Y. and C. C.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,505, Jan. 25.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,506, Jan. 25.
Tomshinsky, Victor, New York, N. Y. Blouse or similar article. 152,507, Jan. 25.
Trigére, Robert, New York, N. Y. Coat or the like. 152,508, Jan. 25.
Victor Industries Corporation, assignee: *See*—
Jung, Albert H.
Waldinger, Maurice J., New York, N. Y. Combined clip and point protector for fountain pens or the like. 152,509, Jan. 25.
Waldinger, Maurice J., New York, N. Y. Combination clip and cap for ball pens or the like. 152,510, Jan. 25.
Walsh, Cyral T.: *See*—
Hutchinson, Francis H., and Walsh.
Whatley, Josephine B., Fluvanna, Tex. Shoe. 152,511, Jan. 25.
White, Joseph N.: *See*—
King, Jay F., and White.
Ziegenfuss, Truman S., Los Angeles, Calif. Combination twin bed unit. 152,512, Jan. 25.

Adamson, Arthur P., Ballston Spa, N. Y., assignor to General Electric Company. Rotation rate change generator. 2,460,115, Jan. 25.
Adiman, William C., New York, N. Y. Spool holder. 2,460,209, Jan. 25.
Advance Manufacturing, Inc., assignee: *See*—
Kirkpatrick, Henry O.
Aeromat Products Company, Inc., assignee: *See*—
Summerville, Donald V.
Agriculture, United States of America as represented by the Secretary of, assignee: *See*—
Beckel, Arthur C., and Belter.
Ramp, Russell M.
Alderson, John W., Oakland, Calif., assignor to the United States of America as represented by the Secretary of War. Millivolt control unit. 2,459,784, Jan. 25.
Alikonis, Justin J., assignor to Paul F. Beich Company, Bloomington, Ill. Making confectioneries. 2,459,908, Jan. 25.
All American Airways, Inc., assignee: *See*—
Schultz, Arthur B.
Allerton, Charles E., Morrisville, Pa. Locking device. 2,459,785, Jan. 25.
Allied Chemical & Dye Corporation, assignee: *See*—
Teeters, Wilber O.
Allis-Chalmers Manufacturing Company, assignee: *See*—
Krause, Erwin W.
Marti, Othmar K.
Marti, Othmar K., and Steinberg.
Alofs, Herman G., assignor to Alofs Manufacturing Company, Grand Rapids, Mich. Utility garment hanger. 2,459,909, Jan. 25.
Alofs Manufacturing Company, assignee: *See*—
Alofs, Herman G.
Alsop, Ernest A., and H. V. King, Melbourne, Victoria, Australia. Clothespin. 2,460,162, Jan. 25.
Alvin, Walter C., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Making tool parts. 2,459,910, Jan. 25.
Amalgamated Wireless (Australasia) Limited: *See*—
Roadle, Ronald D.
American Brake Shoe Company, assignee: *See*—
Wilson, Rosser L., and Knauer.
American Fixture & Manufacturing Co., assignee: *See*—
Nash, John J.
American Locomotive Company, assignee: *See*—
Weber, Theodore R.
American Smelting and Refining Company, assignee: *See*—
Palmer, Sidney L., and Beckes.
American Steel Foundries, assignee: *See*—
Baselet, Walter H.
American Viscose Corporation, assignee: *See*—
Francis, Carleton S., Jr.
Andersen, Bjorn: *See*—
Dreyfus, Camille, Andersen, and Kojevnikoff.
Anderson, John N.: *See*—
Lautrup, George W., and Anderson.
Anner, Georg: *See*—
Miescher, Karl, and Anner.
Arbee Products Company, assignee: *See*—
Smith, Travis O.
Armour and Company, assignee: *See*—
Sifferd, Robert H.
Arth, Glen E.: *See*—
Harris, Stanton A., and Arth.
Aspelin, Leslie L.: *See*—
Gavin, Edward M., Grey, Aspelin, and Tate.
Autocar Company, The, assignee: *See*—
Bachman, Benjamin B., and Macklin.
Automotive Products Company Limited, assignee: *See*—
Parnell, Frank G.
Simpson, John K.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Ten key entry mechanism. 2,459,862, Jan. 25.
Bachman, Benjamin B., Philadelphia, and D. J. Macklin, St. Davids, assignors to The Autocar Company, Ardmore, Pa. Auxiliary transmission. 2,459,911, Jan. 25.
Baker, Earl R.: *See*—
Doyle, William T., and Baker.
Baldock, Harold: *See*—
Scalfe, Charles W., Smith, and Baldock.
Bamay, Limited, assignee: *See*—
Heller, Oswald.
Barfod, Frederik: *See*—
Wirth, Emil O., and Barfod.
Barnaby, Hugh S.: *See*—
Jones, Leo D., and Barnaby.
Barrett, Bracell, Galena Park, Tex. Toolholder. 2,460,210, Jan. 25.
Barrows, Donald S., and E. H. Blattner, assignors to The Symington-Gould Corporation, Rochester, N. Y. Railway truck journal box mounting. 2,460,211, Jan. 25.
Bartgis Bros., The, assignee: *See*—
Lupton, Elmer H.
Bartlett, Jeffrey H.: *See*—
McNab, John G., and Bartlett.
Rogers, Dilworth T., and Bartlett.
Baselt, Walter H., Flossmoor, assignor to American Steel Foundries, Chicago, Ill. Hanger support. 2,460,248, Jan. 25.
Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,460,116, Jan. 25.
Beaman, Bernard, J. Hulman, and R. A. Stein, Dayton, Ohio. Hydraulic pressure pump or motor. 2,459,786, Jan. 25.
Bechtol, Lavon D.: *See*—
McBee, Earl T., and Bechtol.
Beck, Koller and Company (England) Limited, assignee: *See*—
Robinson, Ralph S., and Humburger.
Beckel, Arthur C., Peoria, and P. A. Belter, Pekin, Ill., assignors to United States of America as represented by the Secretary of Agriculture. Still and decanter for the recovery of products from alcoholic solutions of oleaginous materials. 2,460,117, Jan. 25.
Beckes, Lloyd M.: *See*—
Palmer, Sidney L., and Beckes.
Beemer, Paul K., Inglewood, assignor to Preco Incorporated, Los Angeles, Calif. Bunker and air circulating fan assembly for refrigerator cars. 2,459,912, Jan. 25.
Beich, Paul F., Company, assignee: *See*—
Alikonic, Justin J.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Buchanan, Russell B.
Christensen, Carl J., and Walker.
Curtis, Austen M.
Dickieson, Alton C.
Kannenberg, Walter F.
Southworth, George C.
Watson, Edward F.
Bellios, Constantinos, Brooklyn, N. Y. Mixer for gas burners. 2,460,057, Jan. 25.
Belter, Paul A.: *See*—
Beckel, Arthur C., and Belter.
Bendix Aviation Corporation, assignee: *See*—
Britton, Karl B.
Flanagan, Robert M.
Wirth, Emil O., and Barfod.
Bennett, Robert M., Birmingham Township, Chester County, Pa., assignor to General Electric Company. Circuit interrupter. 2,460,118, Jan. 25.
Berggren, George E., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical brazing of conductors. 2,459,863, Jan. 25.
Bergmann, Richard F., Winnetka, Ill., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Shaft coupling. 2,460,249, Jan. 25.
Betz, W. H. and L. D., assignees: *See*—
Kahler, Harry L.
Bickley, Everett H., Bala-Cynwyd, Pa. Positioning objects for automatic color sorting. 2,460,212, Jan. 25.
Bigelo-Lipstak Corporation, assignee: *See*—
Werner, Nels E.
Billisly, Julius P., Baton Rouge, La., assignor to Standard Oil Development Company. Mixed silica-alumina, silica-magnesia catalyst. 2,459,987, Jan. 25.
Billeter, Jean R.: *See*—
Miescher, Karl, Heer, and Billeter.
Binns, Geoffrey L.: *See*—
Lacey, Charles W. G., and Binns.
Bishop, Richard: *See*—
Graves, Orman L., and Bishop.
Bissett, Norman T., Reading, and N. C. Moore, Haverbille, Mass., assignors to Western Electric Company, Incorporated, New York, N. Y. Strap cutting tool. 2,459,864, Jan. 25.
Blattner, Emil H.: *See*—
Barrows, Donald S., and Blattner.
Blewett, John P., and R. V. Langmuir, Schenectady, N. Y., assignors to General Electric Company. Magnetron. 2,460,119, Jan. 25.

Bloom, Mortimer C., Newton Highlands, Mass., assignor, by mesne assignments, to Federal Telephone and Radio Corporation, New York, N. Y. Metal rectifier bridge. 2,459,787, Jan. 25.
Boadle Ronald D. assignor to Amalgamated Wireless (Australasia) Limited, Sydney, New South Wales, Australia. Radio-frequency oscillator power supply circuits. 2,459,988, Jan. 25.
Bobek, William J., and F. W. Wohlfield, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Spring holding attachment for automobiles. 2,459,989, Jan. 25.
Boehme, Werner R.: *See*—
  Huber, Wolfgang, and Boehme.
Carlsen, Alf G., Tacoma, Wash. Concrete block making
Boeing Airplane Company, assignee: *See*—
  Haberlin, John F.
  Wells, Edward C.
Bondley, Ralph J., Scotia, N. Y., assignor to General Electric Company. Electrode structure for electric discharge devices. 2,460,120, Jan. 25.
Bonner, Walter F., Glen Ridge, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Full-wave rectifier in glass or other insulating container. 2,459,788, Jan. 25.
Borg, George W., Corporation, assignee: *See*—
  Fink, Jean.
Bossard, Werner, assignor to the firm J. R. Geigy A. B., Basel, Switzerland. Metallisable tetrakisago dye. 2,459,913, Jan. 25.
Bourne, Sarah E., Mount Rainer, Md. Shopper's combination carrier and conveyance. 2,459,865, Jan. 25.
Bowen, Ira S., Pasadena, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Projectile flight recording multiple exposure camera. 2,460,163, Jan. 25.
Brandt, Allen J., assignee: *See*—
  McGuiness, Michael F.
Brayshaw, Ernest E., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Straightening apparatus. 2,460,164, Jan. 25.
Breese Burners, Inc., assignee: *See*—
  Huston, Milton D.
  Huston, Milton D., and Hayter.
Brennan, Joseph H.: *See*—
  Burwell, Blair, and Brennan.
Brielmaier, Aloysius J., assignor to Water Hammer Arrester Corp., Milwaukee, Wis. Water-hammer arrester. 2,460,121, Jan. 25.
Briggs, Thomas H., Jr., Norristown, assignor to Superior Tube Company, Philadelphia, Pa. Electrode construction for neon signs. 2,459,789, Jan. 25.
Britton, Karl B., Cleveland, Ohio, assignor to Bendix Aviation Corporation, South Bend, Ind. Indicating ice on aircraft surfaces. 2,460,165, Jan. 25.
Brock, Irvin A., assignee: *See*—
  Hill, Glenn.
Brodeur, Robert M., assignor to Parker Manufacturing Company, Worcester, Mass. Hydraulic power apparatus. 2,460,058, Jan. 25.
Brooke, Frank W., Pittsburgh, Pa. Track joint lubrication. 2,459,990, Jan. 25.
Brooks, Gaius Fabius: *See*—
  Woodbury, Charles H., and Brooks.
Brown, Harold J., and J. A. Mas, Indianapolis, Ind., assignors to Electronic Laboratories, Inc. Vibrator circuit. 2,459,866, Jan. 25.
Brown, Louis B., Duquesne, Pa. Chuck reconditioning device. 2,459,914, Jan. 25.
Bruker, Hobart W., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Siphon apparatus for heated rolls. 2,460,059, Jan. 25.
Brun, Marcel, Saint-Etienne, France. Cycle bell. 2,460,166, Jan. 25.
Brunne, Alwin E., assignor of twenty per cent to H. M. Sherman, Toronto, Ontario, Canada. Conveyer for dehydrating machines. 2,459,915, Jan. 25.
Buchanan, Russell B., Lynbrook, assignor t Bell Telephone Laboratories, Incorporated, New York N. Y. Gunnery training device. 2,459,867, Jan. 25.
Bunting Glider Company, assignee: *See*—
  Roth, Andrew.
Burgess, Everett H.: *See*—
  Lehane, Timothy J., and Burgess.
Burks, Arthur W., Decatur, Ill. Pump. 2,460,122, Jan. 25.
Burndy Engineering Company, Inc., assignee: *See*—
  Matthysse, Irving F.
Burwell, Blair, Grand Junction, Colo., and J. H. Brennan, Niagara Falls, N. Y., assignors to United States Vanadium Corporation. Recovering tungsten values from ore. 2,459,868, Jan. 25.
Busignies, Henri G., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Indicating cathode-ray tube. 2,459,790, Jan. 25.
Butler, Donald L., Saint John's, Newfoundland. Negative carrier with density comparison scale. 2,460,060, Jan. 25.
Byrns, Alva C., Los Altos, Calif., and G. von Stroh, Coatesville, Pa., assignors to The Permanente Metals Corporation, Oakland, Calif. Vulcanisation of butadiene-styrene rubbery copolymer. 2,459,916, Jan. 25.
Cahill, William J., Merion, Pa., assignor to Carrier Corporation, Syracuse, N. Y. Peening machine. 2,460,123, Jan. 25.
Canadian Industries Limited, assignee: *See*—
  Segall, Gordon H.
Capdevielle, Clarence C., New York, N. Y. Making sirup. 2,459,991, Jan. 25.
Capps, Harold O., Houston, Tex. Pattern board. 2,460,213, Jan. 25.
Carlile, Alfred E., Great Neck, N. Y., assignor to Talon, Inc. End stop for slide fasteners. 2,460,124, Jan. 25. machine. 2,460,167, Jan. 25.
Carnegie-Illinois Steel Corporation, assignee: *See*—
  Brayshaw, Ernest E.
Carrier Corporation, assignee: *See*—
  Cahill, William J.
Carrington, Blake W., assignor to The General Industries Company, Elyria, Ohio. Speed regulating motor drive. 2,459,917, Jan. 25.
Carroll, Frank L., North Hollywood, Calif. Folding charcoal cooking grill. 2,460,125, Jan. 25.
Carter, Sidney T., assignor to Economic Machinery Company, Worcester, Mass. Safety device for labeling machines. 2,460,214, Jan. 25.
Caserta, Michele, Detroit, Mich. Making a diaphragm. 2,460,168, Jan. 25.
Celanese Corporation of America, assignee: *See*—
  Dreyfus, Camille, Andersen, and Kojevnikoff.
Chain Belt Company, assignee: *See*—
  Smith, Horace L., Jr.
Chaney Manufacturing Company, The, assignee: *See*—
  Welch, William E.
Chapin, Reynold S., Flushing, assignor to Press Wireless, Inc., New York, N. Y. Keying control system. 2,460,061, Jan. 25.
Charton, Paul W., Montclair, N. J., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Grid controlled electron tube. 2,460,062, Jan. 25.
Chase, Earle M., Springfield, assignor to Porter-McLeod Machine Tool Co., Inc., Hatfield, Mass. Abrasive apparatus. 2,460,250, Jan. 25.
Chase, Kenneth J., Wilmington, Mass. Telltale for frozen food packages. 2,460,215, Jan. 25.
Chester, Carroll W., Los Angeles, Calif. Size adaption for automobile exhaust pipe extensions and the like. 2,459,918, Jan. 25.
Chevigny, Paul G., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Beam type electron discharge device. 2,459,792, Jan. 25.
Chevigny, Paul G., New York, N. Y., and C. M. Wheeler, Montclair, assignors to Federal Telephone and Radio Corporation, Newark, N. J. Vacuum tube. 2,459,791, Jan. 25.
Chicago Bridge & Iron Company, assignee: *See*—
  Lebedeff, Michael N.
Chiksan Company, assignee: *See*—
  Warren, Doyle C.
Chodroff, Saul: *See*—
  Pickel, Frank D., Fass, and Chodroff.
Christensen, Carl J., Summit, and A. C. Walker, Short Hills, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crystal growing apparatus. 2,459,869, Jan. 25.
Churchill, Harold E., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,459,793, Jan. 25.
Ciba Limited, assignee: *See*—
  Holbro, Theodor, Kern, and Sutter.
Ciba Pharmaceutical Products, Inc., assignee: *See*—
  Miescher, Karl.
  Miescher, Karl, and Anner.
  Miescher, Karl, Heer, and Billeter.
Cimino, Thomas D., New Kensington, Pa. Sleevelet purse. 2,459,992, Jan. 25.
Cincinnati Milling Machine Co., The, assignee: *See*—
  Hassman, Fred A., and Ernst.
  Vancil, Edgar D., and Hassman.
  Martellotti, Mario E.
Clark, Edwin L.: *See*—
  Wright, Antony, and Clark.
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Insulating and dielectric compositions. 2,460,126, Jan. 25.
Clark, John A., Harrow, England. Door locking means. 2,459,920, Jan. 25.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Bomb sight. 2,459,919, Jan 25.
Clark, Lester B., assignee: *See*—
  Knott, Walter L.
Clifton Products, Inc., assignee: *See*—
  Schormuller, Anton.
Cloud, Robert W.: *See*—
  Trump, John G., and Cloud.
Cole, Edward J., Peekskill, N. Y. Spring motor. 2,459,871, Jan. 25.
Cole, James D., Park Ridge, Ill. Electric motor. 2,460,063, Jan. 25.
Collins, Henry M.: *See*—
  Morrison, George O., Shaw, Mercier, and Collins.

Combs, Edward E., Long Branch, N. J. Spherical coil for variometers. 2,459,794, Jan. 25.
Comer, Burt, assignor of one-third to P. F. Comer and one-third to J. B. Comer, Wichita, Kans. Bottle carrier 2,459,921, Jan. 25.
Comer, Jerry B., assignee: *See*—
  Comer, Burt.
Comer, P. F., assignee: *See*—
  Comer, Burt.
Commercial Solvents Corporation, assignee: *See*—
  O'Kane, Walter C., and Morey.
Compagnie Generale D'Electricite, assignee: *See*—
  Hurault, Jean L.
Continental Oil Company, assignee: *See*—
  Richardson, Vernon E.
Cook, Everett J., assignor to Cook Research Laboratory, Inc., Toledo, Ohio. Differential lock. 2,459,870, Jan. 25.
Cook Research Laboratory, Inc., assignee: *See*—
  Cook, Everett J.
Corrigan, John R.: *See*—
  Moore, Maurice L., and Corrigan.
Cottrell, C. B., & Sons Company, assignee: *See*—
  Meyer, Joseph E.
Courtaulds Limited, assignee: *See*—
  Millidge, Alfred F., and Knight.
Cox, Frank E., Brooklyn, N. Y. Coupling for round pipes and tubes. 2,459,872, Jan. 25.
Crafts, Curtis S., Oak Park, Ill., assignor to Goss Printing Press Company. Liquid feed control, particularly for the ink feed of printing presses. 2,459,922, Jan. 25.
Crain, Darrell C., Washington, D. C. Fountain pen. 2,459,993, Jan. 25.
Crompton, George, Jr., Framingham, assignor to Norton Company, Worcester, Mass. Truing apparatus for centerless machines. 2,459,923, Jan. 25.
Culhane, Edward A., deceased, Danbury, Conn., by J. M. Culhane, executor, Bridgeport, and D. D. Wilson, Danbury, Conn., assignors to John B. Stetson Company, Philadelphia, Pa. Machine for carroting loose fur. 2,459,924, Jan. 25.
Culhane, James M., executor: *See*—
  Culhane, Edward A., and Wilson.
Curteman, Wallas D., Kansas City, Mo. Impression instrument. 2,459,925, Jan. 25.
Curtis, Austen M., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Motor control circuit. 2,460,064, Jan. 25.
Curtis, William H., Pass Christian, Miss. Reading stand. 2,459,873, Jan. 25.
Cutler-Hammer, Inc., assignee: *See*—
  Robbins, Clyde F.
  Seeger, Edwin W.
D'Alberto, Benedetto, Brooklyn, N. Y. Hair clip. 2,459,926, Jan. 25.
Dalkin, A. Company, assignee: *See*—
  Yuza, Rudolph.
Dalton, Donald A., assignor to The Dalton Foundries, Incorporated, Warsaw, Ind. Disconnectible universal joint. 2,460,216, Jan. 25.
Dalton Foundries, Inc., The, assignee: *See*—
  Dalton, Donald A.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt sulfate relative humidity indicators. 2,460,065, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt sulfate relative humidity indicators. 2,460,066, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Copper bromide relative humidity indicators. 2,460,067, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt bromide relative humidity indicators. 2,460,068, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt bromide relative humidity indicators. 2,460,069, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt phosphate relative humidity indicators. 2,460,070, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt chloride relative humidity indicators. 2,460,071, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Copper chloride relative humidity indicators. 2,460,072, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt iodide relative humidity indicators. 2,460,073, Jan. 25.
Davis, Paul B., assignor to The Davison Chemical Corporation, Baltimore, Md. Cobalt thiocyanate relative humidity indicators. 2,460,074, Jan. 25.
Davison Chemical Corporation, The, assignee: *See*—
  Davis, Paul B.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Method and apparatus for electric welding. 2,459,795, Jan. 25.
Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Welding system. 2,459,796, Jan. 25.
Deere, John, Lindeman Company, assignee: *See*—
  Lindeman, Jesse G.
Deerfield, Fred W., Baltimore, Md. Washing tank for photographic films. 2,460,217, Jan. 25.
De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Quaternary ammonium compounds. 2,459,994, Jan. 25.
De Havilland Aircraft Company, The, assignee: *See*—
  Halford, Frank B.
Den, Frank, New York, N. Y. Steering wheel for motor vehicles. 2,459,797, Jan. 25.
D'Entremont, Franklin R.: *See*—
  Pfuntner, Richard A., and D'Entremont.
Detroit Lubricator Company, assignee: *See*—
  Von Wangenheim, Adolf.
Dettman, Maxwell C., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Signal translator blocking circuit. 2,459,798, Jan. 25.
Diaz, Mary L., administratrix: *See*—
  Diaz, Pascual M.
Diaz, Pascual M., deceased, San Antonio, Tex.; M. L. Diaz, administratrix. Variable capacity rotary pump. 2,460,251, Jan. 25.
Dickieson, Alton C., Mountain Lake, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control system. 2,460,075, Jan. 25.
Doerr, Raymond S.: *See*—
  Stinchcomb, Loid M., and Doerr.
Dow Chemical Company, The, assignee: *See*—
  Hansen, John N.
Doyle, William T., Albertson, N. Y., and E. R. Baker, Delta, Colo. Spurious response computer. 2,459,799, Jan. 25.
Dresser Industries, Inc., assignee: *See*—
  Risley, Roger E.
Dreyfus, Camille, New York, N. Y., B. Andersen, Maplewood, N. J., and N. N. Kojevnikoff, New York, N. Y., assignors to Celanese Corporation of America. Process of manufacturing regenerated cellulose sheet material. 2,459,927, Jan. 25.
Duncan Foundry and Machine Works, Inc., assignee: *See*—
  Duncan, William M.
Duncan, Gordon W., Westfield, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Producing hydrocarbon oil concentrates of metal sulfonates. 2,459,995, Jan. 25.
Duncan, Thomas P., Jr., Newport News, Va. Golf club grip. 2,459,996, Jan. 25.
Duncan, William M., assignor to Duncan Foundry and Machine Works, Inc., Alton, Ill. Foundry flask. 2,460,218, Jan. 25.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
  Fay, Robert E., Jr.
  Harbaugh, Max L.
  McGrew, Frank C., and Sharkey.
  Richards, Lawrence M.
  Wentz, William M.
Du Rose, Arthur H., Euclid, and J. D. Little, Lakewood, assignors to The Harshaw Chemical Company, Elyria, Ohio. Lead-tin alloy plating. 2,460,252, Jan. 25.
Eastwood, Sylvander C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. High-temperature hydrocarbon conversion process. 2,460,219, Jan. 25.
Economic Machinery Company, assignee: *See*—
  Carter, Sidney T.
Edison Products Corp., assignee: *See*—
  Himmel, Martin M.
Edison, Thomas A., Incorporated, assignee: *See*—
  Furn, Hans H.
Edwards, Donald V., Montclair, and E. K. Smith, West Orange, assignors to Electrons, Incorporated, Newark, N. J. Partially indirectly heated cathode structure for gas tubes. 2,459,997, Jan. 25.
Edwards, James R., Cincinnati, assignor to The Kroger Grocery & Baking Company, Hamilton County, Ohio. Sign holder with base and standard. 2,459,928, Jan. 25.
Electric Controller & Manufacturing Company, The, assignee: *See*—
  Myles, Asa H., and Prottengeier.
Electronic Laboratories, Inc., assignee: *See*—
  Brown, Harold J., and Mas.
Electrons, Incorporated, assignee: *See*—
  Edwards, Donald V., and Smith.
Elliott, Edward O., Jenkintown, Pa. Locomotive cylinder and frame. 2,459,929, Jan. 25.
Ellithorpe, Gilbert S., Chicago, Ill. Rotary electric switch. 2,459,998, Jan. 25.
Emerson, John F., Hasbrouck Heights, N. J., assignor to Kearfott Company, Inc., New York, N. Y. Electromagnetic pressure gauge. 2,460,076, Jan. 25.
Ernest, Thomas R., assignor to Thompson Manufacturing Co., Chicago, Ill. Processing casings. 2,460,077, Jan. 25.
Ernst, Hans: *See*—
  Hassman, Fred A., and Ernst.
Esgate, Ernest E., Coeur d'Alene, Idaho. Sawmill construction. 2,459,800, Jan. 25.
Eureka Williams Corporation, assignee: *See*—
  Hammell, Kemper M.
  Osborn, Ralph C.
Fahrner, Joseph A., U. S. Navy. Bomb station distributor checker. 2,459,801, Jan. 25.
Fairchild, Alfred C.: *See*—
  McLain, Joseph H., and Fairchild.

Hall, Walter S., Jr., Los Angeles, Calif., assignor to the

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Method of and apparatus for

Farnsworth Research Corporation, assignee: *See*—
Kibler, Paul J.
Fass, Jacob I.: *See*—
Pickel, Frank D., and Fass and Chodroff.
Faudree, John D., South Bend, assignor of one-half to R. L. Kuns, New Carlisle, Ind. Work holder for tool grinders. 2,460,078, Jan. 25.
Fay, Robert E., Jr., Bridgeport, Conn., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Coating composition and sheets coated therewith. 2,459,874, Jan. 25.
Federal Telephone and Radio Corporation, assignee: *See*—
Bloom, Mortimer C.
Bonner, Walter F.
Busignies, Henri G.
Chevigny, Paul G., and Wheeler.
Dettman, Maxwell C.
Grieg, Donald D.
Griffiths, Thomas W.
Royden, George T.
Stateman, Murray J.
Watts, Chester B., Jr.
Weston, Simeon.
Ferguson, Harry, Inc., assignee: *See*—
Figard, Reuel H.
Ferranti Limited, assignee: *See*—
Taylor, Maurice K., and Knowles.
Ferree, Leon J., Coffeyville, Kans., assignor of one-half to M. J. Huxtable, Kansas City, Mo. Quick-acting lever actuated pipe vise. 2,460,079, Jan. 25.
Ferrin, Lester T., Tonasket, Wash. Block molding machine. 2,460,220, Jan. 25.
Figard, Reuel H., Detroit, assignor to Harry Ferguson, Inc., Dearborn, Mich. Plow or the like and making same. 2,459,999, Jan. 25.
Fink, Jean, Delavan Lake, Delavan, Wis., assignor to The George W. Borg Corporation, Chicago, Ill. Electric balance clock. 2,459,930, Jan. 25.
Fireng, Louise H., Wayne, Pa. Double-cut educational novelty. 2,460,169, Jan. 25.
Flanagan, Robert M., Morris Plains, assignor to Bendix Aviation Corporation, Teterboro, N. J. Escapement mechanism. 2,460,000, Jan. 25.
Fleisher, Walter L., New City, N. Y. Air-conditioning apparatus. 2,459,802, Jan. 25.
Fletcher Trust Company, trustee, assignee: *See*—
Starkey, William C.
Folkers, Karl: *See*—
Harris, Stanton A., and Folkers.
Folkins, Hillis O.: *See*—
Thacker, Carlisle M., and Folkins.
Folkman, Marvin L., Shaker Heights, Ohio. Syringe and ampoule. 2,459,875, Jan. 25.
Ford Motor Company, assignee: *See*—
Bobek, William J., and Wohlfield.
Foulkes, Christopher H.: *See*—
Fremlin, John H., and Foulkes.
Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Feltlike products. 2,459,803, Jan. 25.
Francis, Carleton S., Jr., Chestnut Hill, Pa., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Shaped felted structures. 2,459,804, Jan. 25.
Frank, Monte, Chicago, Ill. Cable holder and gauge. 2,460,001, Jan. 25.
Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the velocity modulation type. 2,459,805, Jan. 25.
Fremlin, John H., and C. H. Foulkes, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Velocity-modulated electron discharge device. 2,459,806, Jan. 25.
Fulwiler, Howard D., assignee: *See*—
Swetnam, Lewis H.
Furchak, John G., Mill Valley, Calif. Page end indicator for typewriters. 2,460,170, Jan. 25.
Furn, Hans H., Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Pressure gauge. 2,459,931, Jan. 25.
Gamble, Morgan F.: *See*—
West, Willis Z., Jr., and Gamble.
Garbo, Paul W., Freeport, N. Y. Catalytic amidization process. 2,460,002, Jan. 25.
Gardiner, Edward M., Schenectady, and O. W. Livingston, Scotia, N. Y., assignors to General Electric Company. Electric control circuits. 2,460,127, Jan. 25.
Gattuso, Peter F., Chicago, assignor to Woodstock Typewriter Company, Woodstock, Ill. Silent key mechanism for typewriters. 2,459,932, Jan. 25.
Gavin, Edward M., Las Vegas, Nev., and R. E. Grey, Osborn, L. L. Aspelin, Elyria, and G. F. Tate, Dayton, Ohio. Multiple tank fuel system with emergency pump to maintain required discharge pressure. 2,459,807, Jan. 25.
Geigy, J. R., A. G., assignee: *See*—
Bossard, Werner.
Martin, Henry, and Margot.
Gemeny, Blaine B., Chicago, Ill. Antiskid device. 2,460,003, Jan. 25.

General Aniline & Film Corporation, assignee: *See*—
Grimmel, Harry W., and Richter.
General Electric Company, assignee: *See*—
Adamson, Arthur P.
Basley, Carl E.
Bennett, Robert M.
Blewett, John P., and Langmuir.
Bondley, Ralph J.
Clark, Frank M.
Gardiner, Edward M., and Livingston.
Ista, Paul E.
Johnson, Ingolf B.
Knight, Henry de Boyne.
Lynn, Lambert H.
Mathes, Kenneth N.
McArthur, Elmer D.
Michel, Philip C.
Pfuntner, Richard A., and D'Entremont.
Smoluchowski, Roman.
Summerhayes, Harry R., Jr.
General Industries Company, The, assignee: *See*—
Carrington, Blake W.
General Motors Corporation, assignee: *See*—
Clark, Kendall.
Michelsen, Henry, and Reid.
Gerding, Louis H., Ottawa, Ill. Indoor practice putting cup. 2,460,080, Jan. 25.
Gessler, Otto C., Detroit, Mich. Concealed hinge. 2,460,171, Jan. 25.
Geyer, George A., New York, N. Y. Tube expander with expansible ball drift removable by its expansion. 2,459,808, Jan. 25.
Gibson, Percy O., Kokomo, Ind. Adjustable time interval control device. 2,459,876, Jan. 25.
Gillis, Randall, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making multiply cable sheaths. 2,459,877, Jan. 25.
Godwin, William S., Baltimore, Md. Dowel supporting assembly. 2,460,172, Jan. 25.
Goldstein, Charlotte, New York, N. Y., assignor to Laurel Fashions, Inc. Lady's dress garment. 2,460,253, Jan. 25.
Gomersall, John R., assignor to McGraw Electric Company, Elgin, Ill. Electric egg baker. 2,459,933, Jan. 25.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Plural engine control system. 2,459,878, Jan. 25.
Goodchild, David C., London, England. Epicyclic change-speed gear. 2,460,081, Jan. 25.
Goodrich, B. F., Company, The, assignee: *See*—
Hasselquist, Victor H.
Gordon, Joseph M., assignor to R. T. Moloney, Chicago, Ill. Luminescent amusement device. 2,460,221, Jan. 25.
Gorham, John E., Spring Lake, and I. Sager, Deal, N. J. High-power pulse generator. 2,459,809, Jan. 25.
Goss Printing Press Company, assignee: *See*—
Crafts, Curtis S.
Grant, Alan S.: *See*—
Smyth, Charles N., and Grant.
Graves, Orman L., Santa Clara, and R. Bishop, Palo Alto, Calif. Dew-point indicator. 2,459,810, Jan. 25.
Gray, Norman A., assignor to Schick Incorporated, Stamford, Conn. Electric cord reel. 2,460,082, Jan. 25.
Green, Samuel S., and D. Keene, Los Angeles, Calif. Carbonating apparatus. 2,460,004, Jan. 25.
Greenleaf, Carroll V., assignor of one-half to J. I. Greenleaf, Edmonds, Wash. Animated decoy duck. 2,460,128, Jan. 25.
Greenleaf, James I., assignee: *See*—
Greenleaf, Carroll V.
Greer, Edwin D., Jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Universal gripper head. 2,460,254, Jan. 25.
Grey, Ralph E.: *See*—
Gavin, Edward M., Grey, Aspelin, and Tate.
Grieg, Donald D., Forest Hills, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Radio identifying system. 2,459,811, Jan. 25.
Griffiths, Thomas W., Newark, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Welding apparatus. 2,459,812, Jan. 25.
Grimmel, Harry W., and L. Richter, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Monoazo chromium complex. 2,459,813, Jan. 25.
Gruen, Henry, New York, N. Y. Plumbing fixture. 2,460,005, Jan. 25.
H-P-M Development Corporation, assignee: *See*—
Lindsey, Robert J.
Tucker, Warren R.
Haberlin, John F., Seattle, Wash., assignor to Boeing Airplane Company. Ammunition box. 2,459,934, Jan. 25.
Hadley Company, Inc., The, assignee: *See*—
Johnson, Sylvester A.
Hahne, Max, New York, N. Y. Narrow ware loom. 2,459,814, Jan. 25.
Halbing, Anthony T., Waterbury, Conn. Square lamp guard. 2,460,173, Jan. 25.
Halford, Frank B., assignor to The De Havilland Aircraft Company, Limited, Edgware, England. Jet propulsion plant. 2,459,935, Jan. 25.

Hall, Walter S., Jr., Los Angeles, Calif., assignor to the United States of America as represented by the Secretary of the Navy. Traveling nut limit stop. 2,460,222, Jan. 25.
Hammell, Kemper M., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Automatic air shutoff and draft control for oil burners. 2,459,815, Jan. 25.
Handley Brown Heater Company, assignee: *See*—
Handley, Harold E.
Handley, Harold E., assignor to Handley Brown Heater Company, Jackson, Mich. Water heater conversion unit. 2,459,816, Jan. 25.
Hannum, Clement E., Chicago, Ill. Camera with varisize focal plane aperture. 2,460,174, Jan. 25.
Hansen, John N., Albert Lea, Minn., assignor to The Dow Chemical Company, Midland, Mich. Sulfonium methosulfates. 2,460,223, Jan. 25.
Hansen, Klaus L., Milwaukee, Wis. Rectifier and transformer unit. 2,460,006, Jan. 25.
Hanson, Frank E.: *See*—
Richa, John H., and Hanson.
Harbaugh, Max L., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction tank with flaker. 2,460,083, Jan. 25.
Hardwick, Christopher L., Cleveland, Tenn. Clamping means. 2,459,879, Jan. 25.
Harris, Stanton A., Westfield, and G. E. Arth, assignors to Merck & Co., Inc., Rahway, N. J. 2-(4′ carboxybutyl)-3:4-di (acylamido)-4:5 dihydrothiophene and its esters. 2,459,817, Jan. 25.
Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,224, Jan. 25.
Harris, Stanton A., Westfield, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,225, Jan. 25.
Harris, Stanton A., Westfield, and G. E. Arth, assignors to Merck & Co., Inc., Rahway, N. J. Biotin intermediate. 2,460,226, Jan. 25.
Harshaw Chemical Company, The, assignee: *See*—
Durrose, Arthur H., and Little.
Hart, James A., L. N. Hollis, and J. W. Randolph, Hammond, Ind., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Extraction of elemental sulfur from oils. 2,460,227, Jan. 25.
Hartford National Bank & Trust Company, The, assignee, as trustees: *See*—
Pye, Charles R.
Van der Heem, Jan.
Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.
Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Allyl ether of anacardic materials, bodied products thereof, and novel compositions and friction elements produced therewith. 2,460,255, Jan. 25.
Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Reaction products of an aldehyde with allyl ether of anacardic material. 2,460,256, Jan. 25.
Hasler, Robert H., Old Westbury, and H. P. Stevens, Oyster Bay, assignors to The Hasler Stevens Corporation, Mineola, N. Y. Rotary valve for internal-combustion engines. 2,459,936, Jan. 25.
Hasler Stevens Corporation, The, assignee: *See*—
Hasler, Robert H., and Stevens.
Stevens, Harry P.
Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Sheet gripping and pulling tool. 2,460,007, Jan. 25.
Hassman, Fred A.: *See*—
Vancil, Edgar D., and Hassman.
Hassman, Fred A., and H. Ernst, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Hydraulic control system. 2,459,937, Jan. 25.
Hayter, Bruce: *See*—
Huston, Milton D., and Hayter.
Hazeltine Research, Inc., assignee: *See*—
Hergenrother, Rudolf C.
Tyson, Benjamin F.
Hebo, Halfdan, New York, N. Y. Filter. 2,460,084, Jan. 25.
Hedges, Harry O., Philadelphia, Pa., assignor to Hedges Motor Company, Seattle, Wash. Internal-combustion engine. 2,460,257, Jan. 25.
Hedges Motor Company, assignee: *See*—
Hedges, Harry O.
Heer, Jules: *See*—
Miescher, Karl, Heer, and Billeter.
Heise, George W.: *See*—
Winslow, Nathaniel M., and Heise.
Heller, Oswald, assignor to Bamag, Limited, London, England. Concurrent flow drier with rotor, stationary casing, and terminal separation means for drying materials and drying fluid. 2,460,008, Jan. 25.
Henderson, Lloyd F., Reading, assignor to Lever Brothers Company, Cambridge, Mass. Soap product containing guanidine stearate. 2,459,818, Jan. 25.
Hergenrother, Rudolf C., Beechhurst, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Ionic vacuum pump. 2,460,175, Jan. 25.
Héritier, Henri, Geneva, Switzerland. Clamp for rods and tubular members. 2,460,176, Jan. 25.

Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Method of and apparatus for heat-treating. 2,460,085, Jan. 25.
Hess, Frederic O., assignor to Selas Corporation of America, Philadelphia, Pa. Heat-treating. 2,460,086, Jan. 25.
Higgins, Harold T., Boston, Mass. Safety control device for motor vehicles. 2,459,938, Jan. 25.
Hill, Glenn, assignor to I. A. Brock, Los Angeles, Calif. Bed-rail extension. 2,459,880, Jan. 25.
Hill, Irving and J. D., assignors to The Lawrence Paper Company, Lawrence, Kans. Container. 2,459,939, Jan. 25.
Hill, Justin D.: *See*—
Hill, Irving and J. D.
Himmel, Martin M., assignor to Edison Products Corp., New York, N. Y. Partition device for cooking pots. 2,459,940, Jan. 25.
Hoage, Clyde C., St. Paul, Minn. Weedless fish lure. 2,459,819, Jan. 25.
Hoffman, Max, Roxbury, Mass. Buckle. 2,460,228, Jan. 25.
Holbro, Theodor, Basel, W. Kern, Sissach, and P. Sutter, Basel, Switzerland, assignors to Ciba Limited. Anthraquinone vat dyestuffs. 2,459,941, Jan. 25.
Hollis, Gilbert, assignor to S. G. Young, London, England. Snap-action electric switch. 2,460,087, Jan. 25.
Hollis, Louis N.: *See*—
Hart, James A., Hollis, and Randolph.
Holophane Company, Inc., assignee: *See*—
Tuck, Davis H.
Howland, Louis H., Waterbury, Conn., assignor to United States Rubber Company, New York, N. Y. Preserving synthetic rubber. 2,460,177, Jan. 25.
Huber, Wolfgang, Hillbrow, Castleton on Hudson, and W. R. Boehme, Albany, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Vitamin compositions. 2,460,009, Jan. 25.
Hulman, Julius: *See*—
Beaman, Bernard, Hulman, and Stein.
Humboldt, Arthur E., Milwaukee, Wis. Flexible tool for the application of emergency tire chains. 2,460,010, Jan. 25.
Humburger, Ernst L.: *See*—
Robinson, Ralph S., and Humburger.
Hungerford, Churchill, Jr., Wenonah, and J. G. Reutter, assignors to Hungerford & Terry, Inc., Clayton, N. J. Base exchange water treating equipment. 2,460,011, Jan. 25.
Hunderford & Terry, Inc., assignee: *See*—
Hungerford, Churchill, Jr., and Reutter.
Hurault, Jean L., assignor to Compagnie Generale D'Electricite, Paris, France. System of producing harmonics. 2,460,012, Jan. 25.
Huston, Milton D., Chicago, Ill., assignor, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Quadrant pilot for pot type oil burners. 2,460,013, Jan. 25.
Huston, Milton D., and B. Hayter, assignors, by mesne assignments, to Breese Burners, Inc., Santa Fe, N. Mex. Liquid fuel burner and pilot structure. 2,460,014, Jan. 25.
Hutchings, Donald E., Toronto, Ontario, Canada. Adjusting clotheslines. 2,460,088, Jan. 25.
Huxtable, Melvin J., assignee: *See*—
Ferree, Leon J.
Imperial Brass Manufacturing Company, The, assignee: *See*—
Alvin, Walter C.
Imperial Chemical Industries Limited, assignee: *See*—
Schaife, Charles W., Smith, and Baldock.
Induction Heating Corp., assignee: *See*—
Stanton, Robert J.
Industrial Rayon Corporation, assignee: *See*—
Bergmann, Richard F.
McLellan, Kenneth M.
International Standard Electric Corporation, assignee: *See*—
Fremlin, John H.
Fremlin, John H., and Foulkes.
Kozma, Ladislas, and Lens.
Lalande, Marc A.
Smyth, Charles N., and Grant.
Ista, Paul E., Paris, France, assignor to General Electric Company. Apparatus for manufacture of fibrous articles. 2,460,129, Jan. 25.
Jackson, Rupert F., Cleveland, assignor of one-half to A. Knudsen, Mentor, Ohio. Reciprocating tool. 2,459,942, Jan. 25.
Jacobs Manufacturing Company, The, assignee: *See*—
Stoner, Arthur M.
Jacobsson, Wilgot J., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe. 2,459,881, Jan. 25.
James, Edward M., Winchester, Mass., assignor to Lever Brothers Company. Fractionation of unsaturated glyceride oils. 2,459,820, Jan. 25.
Jauss, Carlos L., New York, N. Y. Terminal means for electrical devices 2,459,943, Jan. 25.
Johnson, Ingolf B., Schenectady, N. Y., assignor to General Electric Company. Magneto. 2,460,130, Jan. 25.
Johnson & Johnson, assignee: *See*—
Nelson, William R., and Sinnig.

Johnson, Rollie, Edgerton, Mo. Swinging jaw adjustable wrench. 2,459,882, Jan. 25.

Johnson, Sylvester A., assignor to The Hadley Company, Inc., Providence, R. I. Necktie holder. 2,460,089, Jan. 25.

Johnston, Benjamin H., Oklahoma City, Okla. Sharpening device. 2,459,945, Jan. 25.

Jones, Leo D., and H. S. Barnaby, assignors to The Sharples Corporation, Philadelphia, Pa. Centrifugal separator. 2,459,944, Jan. 25.

Jones, Neven J., Natrona Heights, Pa. Motion transmitting mechanism. 2,460,015, Jan. 25.

Jones, Philip H., Redondo Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Tank pump-out method. 2,460,258, Jan. 25.

Kahler, Harry L., Feasterville, assignor to W. H. and L. D. Betz, Philadelphia, Pa. Protecting systems for transporting media corrosive to metal. 2,460,259, Jan. 25.

Kannenberg, Walter F., Lyndhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency selective apparatus. 2,460,090, Jan. 25.

Kawneer Company, The, assignee: *See*—
Miller, James T.

Kearfott Company, Inc., assignee: *See*—
Emerson, John F.

Keene, Donald: *See*—
Green, Samuel S., and Keene.

Keiser, Bernard: *See*—
De Groote, Melvin and Keiser.

Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,459,883, Jan. 25.

Kember, Federico C., Buenos Aires, Argentina. Emergency roadwheel assembly for automobiles. 2,460,178, Jan. 25.

Kendrick, John F., Elizabeth, N. J. Nut or bolt lock. 2,460,131, Jan. 25.

Kern, Walter: *See*—
Holbro, Theodor, Kern and Sutter.

Kibler, Paul J., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Antenna for radiating circularly polarized waves. 2,460,260, Jan. 25.

Kieckhefer Container Company, assignee: *See*—
Smith, Richard E., and Musso.

King, Harold V.: *See*—
Alsop, Ernest A., and King.

Kirkpatrick, Henry O., assignor to Advance Manufacturing, Inc., Detroit, Mich. Mounting for refrigerating apparatus and the like. 2,459,946, Jan. 25.

Klepp, Edwin C.: *See*—
Seath, Edward G., and Klepp.

Knauer, Erwin R.: *See*—
Wilson, Rosser L., and Knauer.

Knight, Claude L.: *See*—
Millidge, Alfred F., and Knight.

Knight, Henry D., Rugby, England, assignor to General Electric Company. Electrical discharge device. 2,460,132, Jan. 25.

Knott, Walter L., Los Angeles, Calif., assignor to L. B. Clark, Houston, Tex. Combination pump. 2,460,179, Jan. 25.

Knowles, Alfred D.: *See*—
Taylor, Maurice K., and Knowles.

Knox, Harry, Mechanicsburg, Pa. Fuel reservoir for cigarette lighters. 2,460,180, Jan. 25.

Knudsen, Alfred, assignee: *See*—
Jackson, Rupert P.

Kojevnikoff, Nickolas N.: *See*—
Dreyfus, Camille, Andersen, and Kojevnikoff.

Kopf, Harold, New York, N. Y. Safety window guard. 2,459,884, Jan. 25.

Koppers Company, Inc., assignee: *See*—
Monroe, Kenneth P.

Kosma, Ladislas, and G. X. Lens, Antwerp, Belgium, assignors to International Standard Electric Corporation, New York, N. Y. Electrical code printer. 2,459,821, Jan. 25.

Krause, Erwin W., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Securing mechanical members to shafts or the like. 2,460,091, Jan. 25.

Kroger Grocery & Baking Company, The, assignee: *See*—
Edwards, James R.

Krogseng, Helge, Bronxville, assignor to Krogseng Laboratories, Inc., New York, N. Y. Bottom margin guide for typewriting machines. 2,459,885, Jan. 25.

Krogseng Laboratories, Inc., assignee: *See*—
Krogseng, Helge.

Krok, Walter P., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Selenium rectifier. 2,459,886, Jan. 25.

Kruger, Frederick W.: *See*—
Mills, William L., and Kruger.

Kuhn, George F., Sinclair, Wyo., assignor to Sinclair Refining Company, New York, N. Y. Flare ignition apparatus. 2,460,016, Jan. 25.

Kune, Raymond L., assignee: *See*—
Faudree, John D.

Lacey, Charles W. G., and G. L. Binns, assignors to Optical Measuring Tools Limited, Slough, England. Boring head for machine tools. 2,460,092, Jan. 25.

Lalande, Marc A., Paris, France, assignor to International Standard Electric Corporation, New York, N. Y. Frequency generating system. 2,459,822, Jan. 25.

Langmuir, Robert V.: *See*—
Blewett, John P., and Langmuir.

La Pedus, William B., Rockford, Ill. Alarm device. 2,460,133, Jan. 25.

Latina, Harry E., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Baseball glove. 2,459,887, Jan. 25.

Laurel Fashions, Inc., assignee: *See*—
Goldstein, Charlotte.

Lautrup, George W., Yonkers, N. Y., and J. N. Anderson, Hoboken, N. J., assignors to Otis Elevator Company, New York, N. Y. Moving stairway brake. 2,460,017, Jan. 25.

Law, Harold B., Princeton, N. J., assignor to Radio Corporation of America. Cathode beam transmitter tube. 2,460,093, Jan. 25.

Lawrence Paper Company, The, assignee: *See*—
Hill, Irving and J. D.

Lebedeff, Michael N., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pipe mitering apparatus. 2,459,823, Jan. 25.

Lebold, Samuel N., assignor to Morris Paper Mills, Chicago, Ill. Bottle holder. 2,460,229, Jan. 25.

Lee, Jonathan O., Richmond, Va. Thermometric alarm switch. 2,460,134, Jan. 25.

Leffer, Frederick W., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Method and apparatus for contacting subdivided solid contact material with fluid reactants, particularly hydrocarbons. 2,459,824, Jan. 25.

Lefar, Jerome, assignor to The Master Electric Company, Dayton, Ohio. Balancing device. 2,459,947, Jan. 25.

Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Electric control for bus heating and cooling systems. 2,460,135, Jan. 25.

Lens, Georges X.: *See*—
Kosma, Ladislas, and Lens.

Lens, John L., assignee: *See*—
Muller, Johan A.

Leonard, John, West New York, and W. Trenkamp, Hoboken, N. J. Brush holder. 2,460,136, Jan. 25.

Lever Brothers Company, assignee: *See*—
Henderson, Lloyd F.
James, Edward M.

Ligett, Waldo B., Detroit, Mich., E. T. McBee, La Fayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Perhalotoluenes. 2,459,779, Jan. 25.

Lindeman, Jesse G., assignor, by mesne assignments, to John Deere-Lindeman Company, Yakima, Wash. Hydraulic coupling. 2,460,137, Jan. 25.

Linderoth, Lambert S., Jr.: *See*—
Seely, Thomas H.

Lindgren, Vincent V.: *See*—
Ligett, Waldo B., McBee, and Lindgren.

Lindsey, Robert J., Mount Gilead, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Momentary slowdown device for high-speed blankholder presses. 2,459,888, Jan. 25.

Little, Edward W., Naches, Wash. Roller attachment. 2,460,094, Jan. 25.

Little, John D.: *See*—
Du Rose, Arthur H., and Little.

Livingston, Orrin W.: *See*—
Gardiner, Edward M., and Livingston.

Lobelle, Marcel J. O., Slough, England, assignor to M. L. Aviation Company, Limited. Safety device for aircraft pilots. 2,459,948, Jan. 25.

Long, John D., Westfield, and C. O. Rhys, Jr., Cranford, N. J., assignors to Standard Oil Development Company. Method and apparatus for counter-current contacting of liquids. 2,460,019, Jan. 25.

Looke, Harry H., Caulfield, Victoria, Australia. Roller vane rotary pump. 2,460,018, Jan. 25.

Lorain Products Corporation, assignee: *See*—
Krok, Walter P.

Love, Angus, Cumnor, England. Instrument for measuring resistances. 2,460,095, Jan. 25.

Lupton, Elmer H., Ilchester, Md., assignor to The Bartgis Bros. Company. Egg crate. 2,460,020, Jan. 25.

Lynn, Lambert H., Scotia, N. Y., assignor to General Electric Company. Variable inductance device. 2,460,138, Jan. 25.

Lyon, George A., Allenhurst, N. J. Plastic cover for automobile seats. 2,459,889, Jan. 25.

Lyon, George A., Allenhurst, N. J. Wheel hub cap structure. 2,459,890, Jan. 25.

Lyon, Norman W., assignor to Package Machinery Company, Springfield, Mass. Linking and delinking machine for ammunition belts. 2,460,096, Jan. 25.

M. L. Aviation Company, Limited, assignee: *See*—
Lobelle, Marcel J. O.

Macklin, Donald J.: *See*—
Bachman, Benjamin B., and Macklin.

Makrianes, James K., Longmeadow, Mass. Display and shipping container. 2,460,220, Jan. 25.

Maling, Roy, Chestnut Hill, Mass. Platform type welt shoe. 2,460,097, Jan. 25.

Maling, Roy, Chestnut Hill, Mass. Platform type shoe. 2,460,098, Jan. 25.

Mallory, P. R., & Co., Inc., assignee: *See*—
Wall, Alexander C.

Malpert, Rudolph, Fargo, N. Dak. Sleet cutter. 2,460,099, Jan. 25.

Manthey, Victor W., Manston, Wis. Low center of gravity sleds. 2,460,021, Jan. 25.

Marchant Calculating Machine Company, assignee: *See*—
Avery, Harold T.

Margot, Alfred: *See*—
Martin, Henry, and Margot.

Marks, Henry C., Glen Ridge, N. J., and M. I. Rubin, New York, N. Y., assignors to Wallace & Tiernan Products, Inc. Alkamine esters of 2-chloro-4-amino benzoic acid. 2,460,139, Jan. 25.

Marshall, Wallace P., Newark, assignor to Pittsburgh Plate Glass Company, Essex County, N. J. Sealing material. 2,460,181, Jan. 25.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Bearing. 2,459,825, Jan. 25.

Martellotti, Mario E., assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Fluid pressure bearing. 2,459,826, Jan. 25.

Marti, Othmar K., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve with vitreous enamel seals. 2,459,827, Jan. 25.

Marti, Othmar K., Wauwatosa, and E. B. Steinberg, assignors to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electric valve with grid mounted on divided anode insulator. 2,459,828, Jan. 25.

Martin, Henry, and A. Margot, assignors to J. R. Geigy A. G., Basel, Switzerland. Basic esters of aliphatic tertiary carboxylic acids. 2,460,182, Jan. 25.

Mas, Joseph A.: *See*—
Brown, Harold J., and Mas.

Masonite Corporation, assignee: *See*—
Story, Charles F.

Master Electric Company, The, assignee: *See*—
Lefar, Jerome.

Mathes, Kenneth N., Schenectady, N. Y., assignor to General Electric Company. Pasting mica. 2,460,140, Jan. 25.

Matthysse, Irving F., New York, N. Y., assignor to Burndy Engineering Company, Inc. Separable connector. 2,460,231, Jan. 25.

Maxwell, Edward C., U. S. Navy. Power transmission. 2,459,829, Jan. 25.

Mayer, Samuel, New York, N. Y. Electrical utility brush. 2,460,183, Jan. 25.

McArthur, Elmer D., Schenectady, N. Y., assignor to General Electric Company. Electric discharge device. 2,460,141, Jan. 25.

McBee, Earl T.: *See*—
Ligett, Waldo B., McBee, and Lindgren.

McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated polycarbocyclic perfluorocompounds. 2,459,780, Jan. 25.

McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated fluorocarbons. 2,459,781, Jan. 25.

McBee, Earl T., La Fayette, Ind., and L. D. Bechtol, Baltimore, Md., assignors to Purdue Research Foundation, West Lafayette, Ind. Anellated fluorocarbons. 2,459,782, Jan. 25.

McBee, Earl T., La Fayette, and P. A. Wiseman, assignors to Purdue Research Foundation, West Lafayette, Ind. Flourination of unsaturated cyclic perchlorocompounds. 2,459,783, Jan. 25.

McCarthy, Frederick I., and C. Schandler, New York, N. Y. Spark plug. 2,460,022, Jan. 25.

McCarthy, Thomas O., U. S. Navy. Motion repeating system. 2,459,830, Jan. 25.

McCord Corporation, assignee: *See*—
Urso, Ralph F.

McCord, Frank G., Atlanta, Ga. Adjustable truss. 2,460,100, Jan. 25.

McDonie, Lawrence L.: *See*—
Quinn, John, and McDonie.

McGill Manufacturing Company, Inc., assignee: *See*—
Popp, Rudolf.

McGraw Electric Company, assignee: *See*—
Gomersall, John R.

McGrew, Frank C., and W. H. Sharkey, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company. Dyeing nylon with acid dyes of limited solubility. 2,459,831, Jan. 25.

McGuiness, Michael F., assignor of one-half to A. J. Brandt, Scranton, Pa. Antiskid tire chain anchoring device. 2,460,023, Jan. 25.

McKee, Neal T., Bronxville, assignor to The Superheater Company, New York, N. Y. Making heat-exchange unit. 2,460,024, Jan. 25.

McKinley, Benjamin P., Bradenton, Fla. Electrical outlet terminal. 2,459,832, Jan. 25.

McLain, Joseph H., and A. C. Fairchild, U. S. Army. Smoke bomb projector. 2,459,833, Jan. 25.

McLellan, Kenneth M., assignor to Industrial Rayon Corporation, Cleveland, Ohio. Apparatus for the fluid treatment of thread or the like. 2,460,261, Jan. 25.

McMurray, Arthur A., Nashville, Tenn. Optical method of testing milk for relative uniformity. 2,460,101, Jan. 25.

McNab, John G., Cranford, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil composition. 2,460,025, Jan. 25.

Mercier, Joseph D. P. E.: *See*—
Morrison, George O., Shaw, Mercier, and Collins.

Merck & Co., Inc., assignee: *See*—
Harris, Stanton A., and Arth.
Harris, Stanton A., and Folkers.
Phillips, Richard F.

Metsner, Ernest K., Los Angeles, Calif. Screw conveying steam distilling apparatus for pomace. 2,459,951, Jan. 25.

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Ink fountain for intaglio printing presses. 2,460,184, Jan. 25.

Michel, Philip C., Schenectady, N. Y., assignor to General Electric Company. Electronic calibrating means or indicating instruments in pulse echo systems. 2,460,142, Jan. 25.

Michelsen, Henry, and M. E. Reid, Bristol, Conn., assignors to General Motors Corporation, Detroit, Mich. Gauging apparatus for controlling a grinding operation. 2,460,282, Jan. 25.

Miescher, Karl, Riehen, and J. Heer, and Jean R. Billeter, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparing hydroxy hydrophenanthrene carboxylic acids and their esters. 2,459,834, Jan. 25.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Preparation of hydroxy-hydrophenanthrene carboxylic acids and esters. 2,459,949, Jan. 25.

Miescher, Karl, Riehen, and G. Anner, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Hydrophenanthrene carboxylic acid intermediates. 2,459,950, Jan. 25.

Miles, Ernest C.: *See*—
Werner, Fred, and Miles.

Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass setting for store fronts. 2,460,185, Jan. 25.

Millidge, Alfred F., Coventry, and C. L. Knight, Kenilworth, assignors to Courtaulds Limited, London, England. Stabilized alkaline vegetable protein solutions. 2,459,952, Jan. 25.

Mills Engineering Company, assignee: *See*—
Mills, Herbert E.

Mills, Herbert E., assignor, by mesne assignments, to Mills Engineering Company, Detroit, Mich. Panel and fastener assembly. 2,459,953, Jan. 25.

Mills, William L., Keene, N. H., and F. W. Kruger, Worcester, assignors to Sealed Seam Welt Process, Inc., Boston, Mass. Shoe with sole edge binding and welt. 2,460,262, Jan. 25.

Minerals Separation North American Corporation, assignee: *See*—
Schilling, Karl F.

Mitchell, Jethro, Cincinnati, Ohio. Amusement device. 2,460,026, Jan. 25.

Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating composition comprising an amide-aldehyde resin and a polyester of 2-ethyl hexane-diol-1,3 and a dicarboxylic acid as a plasticiser. 2,460,186, Jan. 25.

Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Coating composition comprising an amide-aldehyde resin and a polyester of an alpha-alkyl ether of glycerol and a dicarboxylic acid as plasticiser. 2,460,187, Jan. 25.

Moloney, Raymond T., assignee: *See*—
Gordon, Joseph M.

Monroe, Kenneth P., Butler, assignor to Koppers Company, Inc., Pittsburgh, Pa. Allylation of dihydroxy benzene. 2,459,835, Jan. 25.

Moore, Maurice L., and J. R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Production of ketoamines. 2,460,143, Jan. 25.

Moore, Maurice L., and J. R. Corrigan, Detroit, Mich., assignors to Sterling Drug Inc., New York, N. Y. Hydroxyphenyl alkanolamines. 2,460,144, Jan. 25.

Moore, Norman C.: *See*—
Bissett, Norman T., and Moore.

Morey, Glen H.: *See*—
O'Kane, Walter C., and Morey.

Morgan, Dwight C., Jr., assignor to Scaife Company, Oakmont, Pa. Apparatus for pressing ends into cylindrical shells. 2,459,954, Jan. 25.

Morin, Louis H., Bronx, N. Y. Controlling the lengths of separable fasteners. 2,460,102, Jan. 25.

Morris Paper Mills, assignee: *See*—
Lebold, Samuel N.

Morris, Rupert C., Berkeley, E. C. Shokal, Oakland, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Esters of sulfolene halohydrins. 2,460,238, Jan. 25.

Morrison, George O., T. P. G. Shaw, and J. D. P.-E. Mercier, Shawinigan Falls, Quebec, Canada, and H. M. Collins, Stamford, Conn., assignors to Shawinigan Chemicals Limited, Montreal, Quebec, Canada. Polyvinyl acetate emulsion adhesive. 2,459,955, Jan. 25.

Muller, Johan A., assignor to J. L. Lens, Dayton, Ohio. Pipe coupling. 2,459,956, Jan. 25.

Murphree, Eger V., Summit, N. J., assignor to Standard Oil Development Company. Controlling reaction temperatures. 2,459,836, Jan. 25.
Musso, Paul A.: *See*—
Smith, Richard E., and Musso.
Myles, Asa H., and A. C. Prottengeier, Solon, assignors to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Induction motor control system. 2,460,234, Jan. 25.
Nash, John J., assignor to American Fixture & Manufacturing Co., St. Louis, Mo. Metal chair. 2,460,027, Jan. 25.
National Carbon Company, Inc., assignee: *See*—
Winslow, Nathaniel M., and Heise.
National Cylinder Gas Company, assignee: *See*—
Palmer, Walter E.
National Lead Company, assignee: *See*—
Pitrot, Adrian R.
Navy, United States of America as represented by the Secretary of, assignee: *See*—
Bowen, Ira S.
Hall, Walter S., Jr.
Swennes, Benjamin A., Shelton, and Swenson.
Nelson, William L., Highland Park, and O. R. Sinnig, New Brunswick, N. J., assignors to Johnson & Johnson. Pressure sensitive adhesive mass. 2,459,891, Jan. 25.
New Castle Products, Inc., assignee: *See*—
Watkins, Ernest R.
Nopco Chemical Company, assignee: *See*—
Pickel, Frank D., Fass, and Chodroff.
Norton Company, assignee: *See*—
Crompton, George, Jr.
Obert, Leon D., Bremerton, Wash. Fence construction. 2,460,028, Jan. 25.
Oil Center Tool Company, assignee: *See*—
Penick, Arthur J.
O'Kane, Walter C., Durham, N. H., and G. H. Morey, assignors to Commercial Solvents Corporation, Terre Haute, Ind. Fungicidal compositions. 2,460,188, Jan. 25.
Okonite Company, The, assignee: *See*—
Slade, Harry B.
Olliert, Olof, Stockholm, Sweden. Kitchen range. 2,460,263, Jan. 25.
Openshaw, James A., Southampton, assignor to Stanley Home Products, Inc., Westfield, Mass. Wire twisting apparatus. 2,460,235, Jan. 25.
Optical Measuring Tools Limited, assignee: *See*—
Lacey, Charles W. G., and Binns, G. L.
Osborn, Ralph C., Bloomington, Ill., assignor to Eureka Williams Corporation, Detroit, Mich. Handle control for suction cleaners. 2,460,236, Jan. 25.
Otis Elevator Company, assignee: *See*—
Lautrup, George W., and Anderson.
Package Machinery Company, assignee: *See*—
Lyon, Norman W.
Packard Motor Car Company, assignee: *See*—
Vincent, Charles H.
Palmer, Orrin C., Melrose, Mass. Trolling plate. 2,460,237, Jan. 25.
Palmer, Sidney L., San Francisco, and L. M. Beckes, San Bruno, Calif., assignors to American Smelting and Refining Company, New York, N. Y. Metal casting apparatus. 2,459,892, Jan. 25.
Palmer, Walter E., Fair Lawn, N. J., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill. Welding stud. 2,459,957, Jan. 25.
Parker Manufacturing Company, assignee: *See*—
Brodeur, Robert M.
Parnell, Frank G., assignor to Automotive Products Company Limited, Leamington Spa, England. Internal shoe drum brake. 2,459,958, Jan. 25.
Peirce, Charles P., assignee: *See*—
Petroff, Merlin O., and Straub.
Pelmarsh, Joseph, Milwaukee, Wis. Sinker. 2,459,959, Jan. 25.
Penick, Arthur J., assignor to Oil Center Tool Company, Houston, Tex. Casing head. 2,460,238, Jan. 25.
Périssé, Richard, Paris, France. Internal-combustion engine. 2,459,960, Jan. 25.
Permanente Metals Corporation, The, assignee: *See*—
Byrns, Alva C., and von Stroh.
Perry, Clarence, Santa Ana, Calif. Saw-file holder and guide. 2,460,189, Jan. 25.
Peterson, Walter P., Chicago, Ill. Abrading device. 2,459,893, Jan. 25.
Petroff, Merlin O., Lake Bluff, and W. F. Straub, Chicago, assignors to C. P. Peirce, Evanston, Ill. Wire recorder indicator. 2,460,190, Jan. 25.
Petrolite Corporation, Ltd., assignee: *See*—
De Groote, Melvin, and Keiser.
Pfuntner, Richard A., Saugus, and F. R. D'Entremont, Lynnfield, Mass., assignors to General Electric Company. Variable reluctance core. 2,460,145, Jan. 25.
Philadelphia Thermometer Company, The, assignee: *See*—
Schwarts, John L.
Philco Corporation, assignee: *See*—
Charton, Paul W.
Phillips, Richard F., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. Preparing esters of organic carboxylic acids. 2,460,191, Jan. 25.
Pickel, Frank D., Flemington, N. J., and J. I. Fass, and S. Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Resolution of racemic α hydroxy β,β dimethyl γ butyrolactone. 2,460,239, Jan. 25.
Pickel, Frank D., Flemington, N. J., and J. I. Fass, and S. Chodroff, Brooklyn, N. Y., assignors to Nopco Chemical Company, Harrison, N. J. Resolution of racemic α hydroxy β,β dimethyl γ butyrolactone. 2,460,240, Jan. 25.
Pieper, George F., Milwaukee, Wis. Rotary Diesel engine. 2,460,192, Jan. 25.
Pitrot, Adrian R., Hempstead, assignor to National Lead Company, New York, N. Y. Basic lead sulfate pigment. 2,460,241, Jan. 25.
Pittsburgh Plate Glass Company, assignee: *See*—
Marshall, Wallace P.
Moffett, Eugene W.
Pollard, Ernest C., Welcome, Minn. Windrow lifter and turner. 2,459,961, Jan. 25.
Popp, Rudolf, assignor to McGill Manufacturing Company, Inc., Valparaiso, Ind. Housing for electrical switches. 2,459,837, Jan. 25.
Porter-McLeod Machine Tool Co., Inc., assignee: *See*—
Chase, Earle M.
Powell, Raymond E., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil and making such. 2,459,894, Jan. 25.
Preco Incorporated, assignee: *See*—
Beemer, Paul K.
Prentice, James M., South Hadley, Mass. Electrical jackstraws game apparatus. 2,460,146, Jan. 25.
Prentice, James M., South Hadley, J. R. Umbach, Longmeadow, and K. Ross, Springfield, assignors to The Electric Game Company, Holyoke, Mass. Rotatable game board and piece therefor. 2,460,264, Jan. 25.
Press Wireless, Inc., assignee: *See*—
Chapin, Reynold S.
Prottengeier, Alfred C.: *See*—
Myles, Asa H., and Prottengeier.
Purdue Research Foundation, assignee: *See*—
Ligett, Waldo B., McBee, and Lindgren.
McBee, Earl T., and Bechtol.
McBee, Earl T., and Wiseman.
Pure Oil Company, The, assignee: *See*—
Thacker, Carlisle M., and Folkins.
Pye, Charles R., London, England, assignor to The Hartford National Bank & Trust Company, Hartford, Conn., as trustees. Moisture-resistant lacquer for the protection of electrical components. 2,460,103, Jan. 25.
Quinn, John, Washington, D. C., and L. L. McDonie, Coral Hills, Md. Trigger lock for pistols. 2,459,838, Jan. 25.
Radio Corporation of America, assignee: *See*—
Law, Harold B.
Roberds, Wesley M.
Wittenberg, Hubert H.
Wright, Antony, and Clark.
Ramp, Russell M., Houma, La., assignor to the United States of America as represented by the Secretary of Agriculture. Russian dandelion seed harvester. 2,460,029, Jan. 25.
Randolph, John W.: *See*—
Hart, James A., Hollis, and Randolph.
Rapp, Leon R., Carpentersville, N. J. Knockdown box or crate. 2,460,104, Jan. 25.
Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,460,147, Jan. 25.
Raudenkolb, Theodor, New York, N. Y. Curtain rod bracket. 2,460,193, Jan. 25.
Rawlings Manufacturing Company, assignee: *See*—
Latina, Harry B.
Raytheon Manufacturing Company, assignee: *See*—
Dawson, John W.
Spencer, Percy L.
Westcott, Vernon C.
Wood, Ross.
Rear, James C., Berkeley, assignor to The Union Ice Company, San Francisco, Calif. Open-top refrigerated display case. 2,460,030, Jan. 25.
Redmond Company, Inc., assignee: *See*—
Vacha, Fred P.
Reid, Merton E.: *See*—
Michelsen, Henry, and Reid.
Renaud, Harold E., assignor to Renaud Plastics, Inc., Lansing, Mich. Making model duplicates. 2,460,242, Jan. 25.
Renaud Plastics, Inc., assignee: *See*—
Renaud, Harold E.
Research Corporation, assignee: *See*—
Trump, John G., and Cloud.
Reutter, John G.: *See*—
Hungerford, Churchill, Jr., and Reutter.
Rhys, Cyril O., Jr.: *See*—
Long, John D., and Rhys, Jr.
Rice Barton Corporation, assignee: *See*—
Stafford, Stephen B.
Richa, John H., and F. E. Hanson, Kansas City, Mo. Garment finishing apparatus. 2,459,962, Jan. 25.
Richards, Henry I., Arlington, Va. Delivery truck loading and dispensing apparatus. 2,459,839, Jan. 25.

Richards, Lawrence M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photopolymerization of vinylidene compounds with organic disulfides. 2,460,105, Jan. 25.
Richardson, Vernon E., Albuquerque, N. Mex., assignor to Continental Oil Company, Ponca City, Okla. Pulldown device. 2,459,840, Jan. 25.
Richter, Ludwig: *See*—
Grimmel, Harry W., and Richter.
Ripley, Charles T., assignor to Spring Packing Corporation, Chicago, Ill. Packing retainer. 2,460,031, Jan. 25.
Risley, Roger E., Bradford, Pa., assignor to Dresser Industries, Inc., Cleveland, Ohio. Coupling for beaded pipes or tubings. 2,460,032, Jan. 25.
Roark, Martin L., Elisabethton, Tenn. Fishing line changer. 2,459,963, Jan. 25.
Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,460,034, Jan. 25.
Roberds, Wesley M., Collingswood, N. J., assignor to Radio Corporation of America. Electrical condenser. 2,460,033, Jan. 25.
Robertshaw-Fulton Controls Company, assignee: *See*—
Weber, Victor.
Robertson, Walter H., Elkhart, Ind. Trailer hitch. 2,459,965, Jan. 25.
Robinson, Ralph S., Hunt's Cross, near Liverpool, and E. L. Humburger, Allerton, assignors to Beck, Koller and Company (England) Limited, Speke, Liverpool, England. Manufacture of maleamic acid. 2,459,964, Jan. 25.
Rogers, Dilworth T., Summit, and J. H. Bartlett, Westfield, N. J., assignors to Standard Oil Development Company. Synthetic lubricant. 2,460,035, Jan. 25.
Roth, Andrew, assignor to Bunting Glider Company, Philadelphia, Pa. Combination table and footrest. 2,460,148, Jan. 25.
Rouse, Glenn F., Long Branch, N. J. Cathode. 2,459,841, Jan. 25.
Rowland, Frederick T., Grosse Pointe, Mich., assignor to Standard Steel Spring Company, Coraopolis, Pa. Spring suspension for vehicles. 2,460,106, Jan. 25.
Royden, George T., South Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Crystal controlled oscillator. 2,459,842, Jan. 25.
Rubin, Martin I.: *See*—
Marks, Henry C., and Rubin.
Sager, Irving: *See*—
Gorham, John E., and Sager.
Scaife, Charles W., Norton-on-Tees, A. E. W. Smith, Wallingford, and H. Baldock, deceased, by H. Baldock, legal representative, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Production of nitro olefines. 2,460,243, Jan. 25.
Scaife Company, assignee: *See*—
Morgan, Dwight C., Jr.
Schandler, Charles: *See*—
McCarthy, Frederick I., and Schandler.
Scherer, John O.: *See*—
Scherer, Robert P., and Scherer.
Scherer, R. P., Corporation, assignee: *See*—
Scherer, Robert P. and J. O.
Scherer, Robert P. and J. O., Detroit, Mich., assignors, by mesne assignments, to R. P. Scherer Corporation. Hypodermic syringe. 2,460,039, Jan. 25.
Schick Incorporated, assignee: *See*—
Gray, Norman A.
Schilling, Karl F., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide ores. 2,459,966, Jan. 25.
Schilling, Karl F., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of nonsulfide ores. 2,459,967, Jan. 25.
Schmidt, C., & Sons, Inc., assignee: *See*—
Smith, Richard E., and Musso.
Schoensiegel, Lothar W., Chicago, Ill. Flexible rod driver. 2,460,149, Jan. 25.
Scholander, Per F., Swarthmore, Pa. Sling type seat for aircrafts. 2,459,843, Jan. 25.
Schormuller, Anton, assignor to Clifton Products, Inc., Painesville, Ohio. Recovering beryllium oxide from beryllium ore. 2,459,895, Jan. 25.
Schultz, Arthur B., Wilmington, Del., assignor to All American Airways, Inc. Apparatus for severing towlines and the like. 2,460,194, Jan. 25.
Schupp, Arthur, New York, N. Y. Apparatus for the cooling of heated objects. 2,460,150, Jan. 25.
Schwarts, John L., assignor, by mesne assignments, to The Philadelphia Thermometer Company, Philadelphia, Pa. Adjustable thermostat. 2,459,968, Jan. 25.
Schwarz, George, Williamstown, Mass. Silver impregnation. 2,459,896, Jan. 25.
Schwarz, George, Williamstown, Mass. Silver impregnation. 2,459,897, Jan. 25.
Schweickart, William M., Bay Village, Ohio. Variable-speed drive. 2,459,969, Jan. 25.
Sealed Seam Welt Process, Inc., assignee: *See*—
Mills, William L., and Kruger.
Seath, Edward G., and E. C. Klepp, assignors to Standard Telephones and Cables Limited, and S. Smith and Sons (England) Limited, London, England. Circuit element and motor for driving the same. 2,459,844, Jan. 25.
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,460,036, Jan. 25.
Seeger, Edwin W., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Combined primary and secondary control of polyphase motors. 2,460,037, Jan. 25.
Seely, Thomas H., Melrose, and L. S. Linderoth, Jr., Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Sole-pressing mechanism. 2,459,845, Jan. 25.
Segall, Gordon H., McMasterville, assignor to Canadian Industries Limited, Montreal, Quebec, Canada. Process for the polymerization of 4-vinylcyclohexene dioxide. 2,460,195, Jan. 25.
Selas Corporation of America, assignee: *See*—
Hess, Frederic O.
Serniuk, George E., Roselle, N. J., assignor to Standard Oil Development Company. Emulsion polymerisation process. 2,460,038, Jan. 25.
Serra y Sió, Jose, Barcelona, Spain. Driving means for spinning, twisting, and like spindles. 2,460,152, Jan. 25.
Sharkey, William H.: *See*—
McGrew, Frank C., and Sharkey.
Sharples Corporation, The, assignee: *See*—
Jones, Leo D., and Barnaby.
Shaw, Thomas P. G.: *See*—
Morrison, George O., Shaw, Mercier, and Collins.
Shawinigan Chemical Limited, assignee: *See*—
Morrison, George O., Shaw, Mercier, and Collins.
Shell Development Company, assignee: *See*—
Morris, Rupert C., Shokal, and Van Winkle.
Shelton, Lee E.: *See*—
Swennes, Benjamin A., Shelton, and Swenson.
Sherman, H. B., Manufacturing Company, assignee: *See*—
Stinchcomb, Loid M., and Doerr.
Sherman, Harry M., assignee: *See*—
Brunne, Alwin E.
Shokal, Edward C.: *See*—
Morris, Rupert C., Shokal, and Van Winkle.
Sifferd, Robert H., Clarendon Hills, assignor to Armour and Company, Chicago, Ill. Preparation of amino acids. 2,460,040, Jan. 25.
Simpson, John K., Leamington Spa, assignor to Automotive Products Company Limited, Leamington Spa, Warwickshire, England. Balanced fluid motor valve. 2,460,196, Jan. 25.
Sinclair, Edward L., Haverford Township, Delaware County, Pa., assignor to Socony-Vacuum Oil Company, Incorporated. Apparatus for gas-solid contact operations. 2,460,151, Jan. 25.
Sinclair Refining Company, assignee: *See*—
Kuhn, George F.
Singer Manufacturing Company, The, assignee: *See*—
Wood, Alfred R.
Sinnig, Otto R.: *See*—
Nelson, William L., and Sinnig.
Slade, Harry B., assignor to The Okonite Company, Passaic, N. J. Apparatus for testing insulated wire and cable. 2,460,107, Jan. 25.
Smith, Arthur E. W.: *See*—
Scaife, Charles W., Smith, and Baldock.
Smith, Earl K.: *See*—
Edwards, Donald V., and Smith.
Smith, Horace L., Jr., Richmond, Va., assignor to Chain Belt Company, Milwaukee, Wis. Vacuum chamber evacuation. 2,460,197, Jan. 25.
Smith, Richard E., Rydall, Pa., and P. A. Musso, Riverton, N. J., assignors to C. Schmidt & Sons, Inc., Philadelphia, Pa., and to Kleckhefer Container Company, Camden, N. J. Collapsible carrier. 2,460,108, Jan. 25.
Smith, S., and Sons (England), Limited, assignee: *See*—
Seath, Edward G., and Klepp.
Smith, Travis O., Kansas City, Mo., assignor, by mesne assignments, to Arbee Products Company, Kansas City, Kans. Refuse bag support. 2,459,970, Jan. 25.
Smoluchowski, Roman, Pittsburgh, Pa., assignor to General Electric Company. Piezoelectric crystal holder. 2,460,153, Jan. 25.
Smyth, Charles N., and A. S. Grant, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Voltage control arrangement. 2,459,846, Jan. 25.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Eastwood, Sylvander C.
Hart, James A., Hollis, and Randolph.
Sinclair, Edward L.
Solar Corporation, assignee: *See*—
Welby, Alfred C.
Southern Steel Company, assignee: *See*—
White, Loyd J.
Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translating device. 2,460,109, Jan. 25.
Sparks, William J., Westfield, and D. W. Young, Roselle, N. J., assignors to Standard Oil Development Company. Lubricating composition. 2,460,041, Jan. 25.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Electric flash percussive welding. 2,459,847, Jan. 25.

Spring Packing Corporation, assignee: *See*—
Ripley, Charles T.

Stafford, Stephen B., Oxford, assignor to Rice Barton Corporation, Worcester, Mass. Making cockle paper. 2,460,042, Jan. 25.

Standard Oil Company, assignee: *See*—
Voorhees, Vanderveer.

Standard Oil Development Company, assignee: *See*—
Billisoly, Julius P.
Duncan, Gordon W., and Zimmer.
Long, John D., and Rhys.
McNab, John G., and Bartlett.
Murphree, Eger V.
Rogers, Dilworth T., and Bartlett.
Serniuk, George E.
Sparks, William J., and Young.
Yowell, Howard L., and Swaney.

Standard Steel Spring Company, assignee: *See*—
Rowland, Frederick T.

Standard Telephones and Cables Limited, assignee: *See*—
Seath, Edward G., and Klepp.

Stanley Home Products, Inc., assignee: *See*—
Openshaw, James A.

Stanton, Robert J., Brooklyn, assignor to Induction Heating Corp., New York, N. Y. Inductor for high-frequency induction heating apparatus. 2,459,971, Jan. 25.

Starkey, William C., assignor, by mesne assignments, to Fletcher Trust Company, Indianapolis, Ind., as trustee. Torque limiting device. 2,459,972, Jan. 25.

Stateman, Murray J., Brooklyn, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Rectifier element. 2,459,848, Jan. 25.

Stateman, Murray J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Testing circuit. 2,459,849, Jan. 25.

Stein, Robert A.: *See*—
Beaman, Bernard, Hulman, and Stein.

Steinberg, Ervin B.: *See*—
Martl, Othmar K., and Steinberg.

Sterling Drug Inc., assignee: *See*—
Moore, Maurice L., and Corrigan.

Stetson, John B., Company, assignee: *See*—
Culhane, Edward A., and Wilson.

Stevens, Harry P.: *See*—
Hasler, Robert H., and Stevens.

Stevens, Harry P., Oyster Bay, assignor to The Hasler Stevens Corporation, Minneola, N. Y. Rotary valve internal-combustion engine. 2,459,973, Jan. 25.

Stiffel, Theophile A., Chicago, Ill. Actuating electrical switches. 2,459,898, Jan. 25.

Stinchcomb, Loid M., and R. S. Doerr, assignors to H. B. Sherman Manufacturing Company, Battle Creek, Mich. Coupling means. 2,460,110, Jan. 25.

Stine, Samuel S., Lansdowne, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Turbine apparatus. 2,459,850, Jan. 25.

Stocker, Julius J., Flanders, N. J. Saw set. 2,460,198, Jan. 25.

Stokes, John H., Atlanta, Ga. Sign holder having recessed rotatable side members. 2,460,154, Jan. 25.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,459,899, Jan. 25.

Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Collet. 2,459,900, Jan. 25.

Story, Charles F., assignor to Masonite Corporation, Laurel, Miss. Ligno-cellulose die-stock and making. 2,459,851, Jan. 25.

Stout, Orin C., Hamilton, Ohio. Making rhubard juice. 2,459,901, Jan. 25.

Straub, William F.: *See*—
Petroff, Merlin O., and Straub.

Strauss, Carol L., Bangor, Maine. Bed table. 2,460,244, Jan. 25.

Studebaker Corporation, The, assignee: *See*—
Churchill, Harold E.

Summerhayes, Harry R., Jr., Schenectady, N. Y., assignor to General Electric Company. Trigger network. 2,459,852, Jan. 25.

Summerville, Donald V., Fort Erie, Ontario, Canada, assignor to Aeromat Products Company, Inc., Buffalo, N. Y. Massaging apparatus or the like. 2,460,245, Jan. 25.

Superheater Company, The, assignee: *See*—
McKee, Neal T.

Superior Tube Company, assignee: *See*—
Briggs, Thomas H., Jr.

Sutter, Paul: *See*—
Holbro, Theodor, Kern and Sutter.

Swaney, Miller W.: *See*—
Yowell, Howard L., and Swaney.

Swennes, Benjamin A., Rockford, Ill., L. E. Shelton, Kalamazoo, Mich., and C. E. Swenson, Rockford, Ill., assignors, by mesne assignments, to United States of America as represented by the Secretary of the Navy. Wheels for endless track vehicles and mounting same. 2,459,975, Jan. 25.

Swenson, Carl E.: *See*—
Swennes, Benjamin A., Shelton, and Swenson.

Swetnam, Lewis H., El Paso, Tex., assignor of one-half to H. D. Fulwiler. Hose protector. 2,459,853, Jan. 25.

Swift, George W., Jr. Inc., assignee: *See*—
Bruker, Hobart W.

Swift, Willard E., Jr., Foxboro, Mass. Grenade projector. 2,459,854, Jan. 25.

Symington-Gould Corporation, The, assignee: *See*—
Barrows, Donald S., and Blattner.

Talarico, Joseph, Spokane, Wash. Finger guard. 2,460,155, Jan. 25.

Talon, Inc., assignee: *See*—
Carlile, Alfred E.

Tate, George F.: *See*—
Gavin, Edward M., Grey, Aspelin, and Tate.

Taylor, Maurice K., Belmont, Scotland, and A. D. Knowles, Chadderton, assignors to Ferranti Limited, Hollinwood, England. Measurement or variation of physical states of materials. 2,460,199, Jan. 25.

Teeters, Wilber O., River Edge, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Phosphonic acid esters. 2,460,043, Jan. 25.

Thacker, Carlisle M., Highland Park, and H. O. Folkins, Skokie, assignors to The Pure Oil Company, Chicago, Ill. Thermal conversion of hydrocarbons. 2,460,200, Jan. 25.

Thompson Manufacturing Co., assignee: *See*—
Ernest, Thomas R.

Tindall, John B., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Arylalkylnitroalcohols. 2,460,265, Jan. 25.

Tomey, Michael B., South Norwalk, Conn. Automatic safety flatiron holder. 2,460,044, Jan. 25.

Trenkamp, Willibald: *See*—
Leonard, John, and Trenkamp.

Trico Products Corporation, assignee: *See*—
Rappl, Anton.

Trump, John G., Winchester, and R. W. Cloud, Lexington, Mass., assignors to Research Corporation, New York, N. Y. Laminated envelope structure for electron discharge devices. 2,460,201 Jan. 25.

Tuck, Davis H., Redding Ridge, Conn., assignor to Holophane Company, Inc., New York, N. Y. Airplane engine test cell and lighting therefor. 2,460,045, Jan. 25.

Tucker, Warren R., Dayton, Ohio, assignor to H-P-M Development Corporation, Wilmington, Del. Hydraulic operating circuit for machine tools. 2,459,902, Jan. 25.

Turner, Arthur C., Chilhowee, Mo. Method and apparatus for vaporizing liquefied petroleum gas. 2,459,974, Jan. 25.

Tyson, Benjamin F., Bayside, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Radio receiver gain-control arrangement. 2,460,202, Jan. 25.

Union Carbide and Carbon Corporation, assignee: *See*—
Jacobson, Wilgot J.

Union Ice Company, The, assignee: *See*—
Rear, James C.

Union Oil Company of California, assignee: *See*—
Jones, Philip H.

United Engineering & Foundry Company, assignee: *See*—
Greer, Edwin D., Jr.

United Shoe Machinery Corporation, assignee: *See*—
Seely, Thomas H., and Linderoth, Jr.

United States Rubber Company, assignee: *See*—
Howland, Louis H.

United States Vanadium Corporation, assignee: *See*—
Burwell, Blair, and Brennan.

Universal Oil Products Company, assignee: *See*—
Leffer, Frederick W.

Urso, Ralph F., assignor to McCord Corporation, Detroit, Mich. Lubricator pump and reservoir assembly. 2,460,203, Jan. 25.

Vacha, Fred P., Atlantic, Mass., assignor, by mesne assignments, to Redmond Company, Inc. Speed-responsive rheostat. 2,460,246, Jan. 25.

Vacher, Nicholas, Saint-Etienne, France. Cycle brake. 2,460,204, Jan. 25.

Vancil, Edgar D., and F. A. Hassman, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and control. 2,459,976, Jan. 25.

Van der Heem, Jan, The Hague, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Stabilized power supply. 2,459,977, Jan. 25.

Vanderhide, Robert E., Kelly Field, Tex. Automatic drilling machine. 2,460,156, Jan. 25.

Van Winkle, John L.: *See*—
Morris, Rupert C., Shokal, and Van Winkle.

Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J., and Burgess.

Vincent, Charles H., Avoca, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,460,046, Jan. 25.

Von Stroh, Gerald: *See*—
Byrns, Alva C., and von Stroh.

Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Vane pump and pressure control means. 2,460,047, Jan. 25.

Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Pressure regulating means. 2,460,048, Jan. 25.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Catalyst gels. 2,459,903, Jan. 25.

Wagner, Gustave H.: *See*—
Wagner, Harold A. and G. H.

Wagner, Harold A. and G. H., Portland, Oreg. Material handling apparatus. 2,459,978, Jan. 25.

Wagner, Harold A. and G. H., Portland, Oreg. Material lifting and transporting truck. 2,459,979, Jan. 25.

Wagner, Harold A. and G. H., Portland, Oreg. Scoop truck. 2,459,980, Jan. 25.

Walker, Albert C.: *See*—
Christensen, Carl J., and Walker.

Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ignition system and apparatus thereof. 2,459,855, Jan. 25.

Wall, Alexander C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Transformer spark plug. 2,459,856, Jan. 25.

Wallace & Tiernan Products, Inc., assignee: *See*—
Marks, Henry C., and Rubin.

War, United States of America as represented by the Secretary of, assignee: *See*—
Alderson, Jon W.

Warren, Doyle C., Monrovia, assignor to Chiksan Company, Brea, Calif. Swivel joint. 2,459,981, Jan. 25.

Water Hammer Arrester Corp., assignee: *See*—
Brielmaier, Aloysius J.

Watkins, Ernest R., Anderson, assignor, by mesne assignments, to New Castle Products, Inc., New Castle, Ind. Curved foldable closure. 2,460,157, Jan. 25.

Watson, Edward F., Larchmont, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph signal code translator. 2,459,904, Jan. 25.

Watts, Chester B., Jr., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Attenuating line for ultra-high frequencies. 2,459,857, Jan. 25.

Weber, Theodore R., Latrobe, Pa., assignor to American Locomotive Company, New York, N. Y. Journal box lid structure. 2,459,905, Jan. 25.

Weber, Victor, Greensburg, Pa., assignor to Robertshaw-Fulton Controls Company. Automatic reversing control for electric motors. 2,459,906, Jan. 25.

Webster, Robert A., Santa Monica, Calif. Trimming board. 2,460,206, Jan. 25.

Welby, Alfred C., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Milk pail cover. 2,460,049, Jan. 25.

Weisbecker, Frank G., Glenside, Pa. Knitting machine attachment. 2,460,050, Jan. 25.

Welch, William E., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Thermometer having a casing with a magnifying element. 2,460,051, Jan. 25.

Wells, Edward C., Seattle, Wash., assignor to Boeing Airplane Company. Retractable shock absorbing strut. 2,459,982, Jan. 25.

Wents, William M., Carneys Point, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Continuous dyeing. 2,460,206, Jan. 25.

Werner, Fred, and E. C. Miles, Dallas, Tex. Awning and ventilator. 2,459,983, Jan. 25.

Werner, Nels E., assignor to Bigelow-Liptak Corporation, Detroit, Mich. Lined container. 2,460,052, Jan. 25.

West, Willis Z., Jr., and M. F. Gamble, Winston-Salem, N. C. Centrifugal force operated switch. 2,459,984, Jan. 25.

Westcott, Vernon C., Lincoln, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrical pulse system. 2,459,858, Jan. 25.

Western Electric Company, Incorporated, assignee: *See*—
Berggren, George E.
Bissett, Norman T., and Moore.
Gillis, Randall.
Powell, Raymond E.

Westinghouse Air Brake Company, The, assignee: *See*—
Good, John N.
Kelley, Cecil S.

Westinghouse Electric Corporation, assignee: *See*—
Stine, Samuel S.

Weston, Simeon, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Grid structure for electron discharge devices. 2,459,859, Jan. 25.

Wheeler, Carson M.: *See*—
Chevigny, Paul G., and Wheeler.

White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Two-stage liquefied petroleum gas dispensing system. 2,460,158, Jan. 25.

White, Loyd J., assignor to Southern Steel Company, San Antonio, Tex. Vapor outlet for truck tanks. 2,460,159, Jan. 25.

Wiggins, John H., Chicago, Ill. Floating roof for liquid storage tanks. 2,460,053, Jan. 25.

Wiggins, John H., Chicago, Ill. Tank bottoms equipped with improved means for testing seams and recovering leakage from same. 2,460,054, Jan. 25.

Wilkinson, Claude K., U. S. Navy. Engine noise equipment. 2,459,860, Jan. 25.

Wilson, David D.: *See*—
Culhane, Edward A., and Wilson.

Wilson, Rosser L., Mahwah, and E. R. Knauer, Westwood, N. J., assignors to American Brake Shoe Company, New York, N. Y. Control apparatus. 2,460,055, Jan. 25.

Winslow, Nathaniel M., Lakewood, and G. W. Heise, Rocky River, Ohio, assignors to National Carbon Company, Inc. Conducting chemical reactions. 2,459,907, Jan. 25.

Winthrop-Stearns Inc., assignee: *See*—
Huber, Wolfgang, and Boehme.

Wirth, Emil O., and F. Barfod, assignors to Bendix Aviation Corporation, South Bend, Ind. Heating system. 2,460,207, Jan. 25.

Wiseman, Park A.: *See*—
McBee, Earl T., and Wiseman.

Wittenberg, Hubert H., Lancaster, Pa., assignor to Radio Corporation of America. High-low impedance electron tube detector. 2,460,160, Jan. 25.

Wohlfield, Frederick W.: *See*—
Bobek, William J., and Wohlfield.

Wood, Alfred R., Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing-machine clutch. 2,460,247, Jan. 25.

Wood, Ross, Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode structure for electrical space discharge tubes. 2,459,861, Jan. 25.

Woodbury, Charles H., and G. F. Brooks, Los Angeles, Calif. Hand covering. 2,459,985, Jan. 25.

Woodstock Typewriter Company, assignee: *See*—
Gattuso, Peter F.

Worden, Willard H., Seattle, Wash. Electric house furnace. 2,459,986, Jan. 25.

Worthington, Edward H., East Stroudsburg, Pa. Lawn mower fly knife. 2,460,111, Jan. 25.

Worthington Pump and Machinery Corporation, assignee: *See*—
Sebald, Joseph F.

Wright, Antony, Drexel Hill, Pa., and E. L. Clark, Collingswood, N. J., assignors to Radio Corporation of America. Beam deflection control for cathode-ray devices. 2,460,112, Jan. 25.

Young, David W.: *See*—
Sparks, William J., and Young.

Young, Sidney G., assignee: *See*—
Hollis, Gilbert.

Young, Sidney G., London, England. Centering or like punch. 2,460,113, Jan. 25.

Yowell, Howard L., Elizabeth, and M. W. Swaney, Cranford, N. J., assignors to Standard Oil Development Company. Purification of unsaturated hydrocarbon mixtures. 2,460,056, Jan. 25.

Yuza, Rudolph, assignor to A. Dalkin Company, Chicago, Ill. Mixing valve. 2,460,161, Jan. 25.

Zalkind, Albert M., Arlington, Va. Device for playing "salvo." 2,460,208, Jan. 25.

Zern, Warren B., Pottstown, Pa. Tank flush ball and guide support. 2,460,114, Jan. 25.

Zimmer, John C.: *See*—
Duncan, Gordon W., and Zimmer.

Swenson, Carl E.: *See*—
Swennes, Benjamin A., Shelton, and Swenson.

Company, Detroit, Mich. Pressure regulating means. 2,460,048, Jan. 25.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Apparatus including power unit for setting brakes. E. A. Rockwekk. Re. 23,081, Jan. 25.
Grease composition. J. C. Zimmer and G. W. Duncan. Re. 23,082, Jan. 25.
Lethal composition for insects. H. W. Eck and J. H. Ford. Re. 23,080, Jan. 25.

LIST OF DESIGN INVENTIONS

Ash tray. B. Blecher. 152,452, Jan. 25.
Ash tray. W. T. Heintze. 152,474, Jan. 25.
Ash tray and glass holder, Combined. R. T. Leach. 152,485, Jan. 25.
Bed unit, Combination twin. T. S. Ziegenfuss. 152,512, Jan. 25.
Belt, Adjustable. H. Stelzer. 152,503, Jan. 25.
Bird house. B. E. Hawkinson. 152,472, Jan. 25.
Blouse or similar article. S. Platt. 152,493, Jan. 25.
Blouse or similar article. V. Tomahinsky. 152,505–7, Jan. 25.
Bookstall. J. S. Dawson. 152,459, Jan. 25.
Bookstand. J. S. Dawson. 152,458, Jan. 25.
Bottle. J. Braun. 152,455, Jan. 25.
Bottle. J. Heim. 152,473, Jan. 25.
Bracelet or the like. H. Bogoff. 152,453–4, Jan. 25.
Brooch or similar article, Separable. A. Katz. 152,481, Jan. 25.
Cap, Container. A. H. Jung. 152,479, Jan. 25.
Case or similar article, Milk bottle. E. B. Erickson. 152,462, Jan. 25.
Casing for dry cleaning machines. P. Schladermundt, C. L. Metzler, and E. E. Hallander. 152,499, Jan. 25.
Chain for a bracelet or the like, Expansible link. J. M. Bender. 152,449–50, Jan. 25.
Clip and cap for ball pens or the like, Combination. M. J. Waldinger. 152,510, Jan. 25.
Clip and point protector for fountain pens or the like, Combined. M. J. Waldinger. 152,509, Jan. 25.
Coat. J. Frumkes. 152,464–7, Jan. 25.
Coat or the like. R. Trigére. 152,508, Jan. 25.
Collar and handle for a coffee maker bowl or the like, Combined. H. G. Blakeslee. 152,451, Jan. 25.
Console bar with aquarium. M. Buxbaum and M. Lebensfeld. 152,456, Jan. 25.
Dispensing device, Lubricant. R. P. Field. 152,463, Jan. 25.
Display sign, Illuminable. R. M. Price and L. E. Peters. 152,497, Jan. 25.
Drip catcher for a bottle. D. E. O'Brien. 152,489, Jan. 25.
Earring or similar article. M. Chernow. 152,457, Jan. 25.
Earring or similar article. A. Katz. 152,480, Jan. 25.
Frame, Spectacle. A. E. Mangold. 152,487, Jan. 25.
Guard or the like, Article holding. O. W. Hueter. 152,475, Jan. 25.
Heater, Gas. J. F. King and J. N. White. 152,483–4, Jan. 25.
Holder or similar article, Cigarette. C. Potts. 152,494–5, Jan. 25.
Jar or similar article, Cookie. N. E. Graven. 152,470, Jan. 25.
Jewelry setting. M. Goodman. 152,469, Jan. 25.
Jewelry setting or similar article. F. J. Gaertner. 152,468, Jan. 25.
Lamp. A. Pfaltz. 152,492, Jan. 25.
Mixer, Amalgam. H. E. Meltzer. 152,488, Jan. 25.
Nightgown, Lady's. P. J. Balog. 152,448, Jan. 25.
Opener or similar article, Fish mouth. F. H. Hutchinson and C. T. Walsh. 152,478, Jan. 25.
Ornament, Christmas tree. V. P. O'Brien. 152,490, Jan. 25.
Panties. A. M. Sebastian. 152,501, Jan. 25.
Pipe rack, Smoker's. E. A. Rosenbaum. 152,498, Jan. 25.
Projection apparatus. J. Y. and C. C. Taylor. 152,504, Jan. 25.
Projector and carrying case therefor, Combined sound and motion-picture. O. Kendall and S. W. Loach. 152,482, Jan. 25.
Register. R. D. Huszagh. 152,476–7, Jan. 25.
Ring and perfume container, Combined. E. G. Lorillard. 152,486, Jan. 25.
Ring, Wedding. S. D. Dumovits. 152,460, Jan. 25.
Scissors, Pair of. P. L. Hartnett. 152,471, Jan. 25.
Shoe. J. B. Whatley. 152,511, Jan. 25.
Signal or the like, Road. H. A. Premack. 152,496, Jan. 25.
Temple, Spectacle. R. F. E. Stegeman. 152,502, Jan. 25.
Toothbrush and glass holder. G. E. Elliott. 152,461, Jan. 25.
Watch or similar article, Ball pendant. E. G. Schwarz. 152,500, Jan. 25.
Wrist watch and strap therefor, Combined. M. Ostier. 152,491, Jan. 25.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 25TH DAY OF JANUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading device. W. P. Peterson. 2,459,893, Jan. 25.
Abrasive apparatus. E. M. Chase. 2,460,250, Jan. 25.
Actuating electrical switches. T. A. Stiffel. 2,459,898, Jan. 25.
Air-conditioning apparatus. W. L. Fleisher. 2,459,802, Jan. 25.
Airplane engine test cell and lighting therefor. D. H. Tuck. 2,460,045, Jan. 25.
Alarm device. W. E. La Pedus. 2,460,133, Jan. 25.
Alkaline vegetable protein solutions, Stabilized. A. F. Millidge and C. L. Knight. 2,459,952, Jan. 25.
Allyl ether of anacardic materials, bodied products thereof, and novel compositions and friction elements produced therewith. M. T. Harvey. 2,460,255, Jan. 25.
Amino acids, Preparation of. R. H. Sifferd. 2,460,040, Jan. 25.
Ammonium compounds, Quaternary. M. De Groote and B. Keiser. 2,459,994, Jan. 25.
Ammunition box. J. F. Haberlin. 2,459,934, Jan. 25.
Amusement device. J. Mitchell. 2,460,026, Jan. 25.
Amusement device, Luminescent. J. M. Gordon. 4,260,221, Jan. 25.
Anchoring device, Antiskid tire chain. M. F. McGuiness. 2,460,023, Jan. 25.
Anellated fluorocarbons. E. T. McBee and L. D. Bechtol. 2,459,781, Jan. 25.
Antenna for radiating circularly polarized waves. P. J. Kibler. 2,460,260, Jan. 25.
Antiskid device. B. B. Gemeny. 2,460,003, Jan. 25.
Apparatus for gas-solid contact operations. E. L. Sinclair. 2,460,151, Jan. 25.
Apparatus for making multiply cable sheaths. R. Gillis. 2,459,877, Jan. 25.
Apparatus for manufacture of fibrous articles. P. E. Ista. 2,460,129, Jan. 25.
Apparatus for pressing ends into cylindrical shells. D. C. Morgan, Jr. 2,459,954, Jan. 25.
Apparatus for severing towlines and the like. A. B. Schults. 2,460,194, Jan. 25.
Apparatus for testing insulated wire and cable. H. B. Slade. 2,460,107, Jan. 25.
Apparatus for the cooling of heated objects. A. Schupp. 2,460,150, Jan. 25.
Apparatus for the fluid treatment of thread or the like. K. M. McLellan. 2,460,261, Jan. 25.
Arrester, Water-hammer. A. J. Brielmaier. 2,460,121, Jan. 25.
Arylalkylnitroalcohols. J. B. Tindall. 2,460,265, Jan. 25.
Automatic safety flatiron holder. M. B. Tomey. 2,460,044, Jan. 25.
Awning and ventilator. F. Werner and E. C. Miles. 2,459,983, Jan. 25.
Baker, Electric egg. J. R. Gomersall. 2,459,933, Jan. 25.
Balanced fluid motor valve. J. K. Simpson. 2,460,196, Jan. 25.
Balancing device. J. Lefar. 2,459,947, Jan. 25.
Basic esters of aliphatic tertiary carboxylic acids. H. Martin and A. Margot. 2,460,182, Jan. 25.
Beam deflection control for cathode-ray devices. A. Wright and E. L. Clark. 2,460,112, Jan. 25.

Bearing: *See*—
Fluid pressure bearing.

Bearing. M. E. Martellotti. 2,459,825, Jan. 25.
Bed-rail extension. G. Hill. 2,459,880, Jan. 25.
Bed table. C. L. Strauss. 2,460,244, Jan. 25.
Bell, Cycle. M. Brun. 2,460,166, Jan. 25.
Beryllium oxide from berryllium ore, Recovering. A. Schormuller. 2,459,895, Jan. 25.
Biotin intermediate. S. A. Harris and K. Folkers. 2,460,224–5, Jan. 25.
Biotin intermediate. S. A. Harris and G. E. Arth. 2,460,226, Jan. 25.
Block making machine, Concrete. A. G. Carlsen. 2,460,167, Jan. 25.
Block molding machine. L. T. Ferrin. 2,460,220, Jan. 25.
Blowpipe. W. J. Jacobsson. 2,459,881, Jan. 25.

Board: *See*—
Pattern board.
Trimming board.

Bomb sight. K. Clark. 2,459,919, Jan. 25.
Boring head for machine tools. C. W. G. Lacey and G. L. Binns. 2,460,092, Jan. 25.
Bottle carrier. B. Comer. 2,459,921, Jan. 25.
Bottle holder. S. N. Lebold. 2,460,229, Jan. 25.

Box: *See*—
Ammunition box.

Box or crate, Knockdown. L. R. Rapp. 2,460,104, Jan. 25.

Bracket: *See*—
Curtain rod bracket.

Brake: *See*—
Cycle brake.
Internal shoe drum brake.
Moving stairway brake.

Brazing of conductors, Electrical. G. E. Berggren. 2,459,863, Jan. 25.
Brush, Electrical utility. S. Mayer. 2,460,188, Jan. 25.
Brush holder. J. Leonard and W. Treukamp. 2,460,136, Jan. 25.
Buckle. M. Hoffman. 2,460,228, Jan. 25.
Burner and pilot structure, Liquid fuel. M. D. Huston and B. Hayter. 2,460,014, Jan. 25.
Butadiene-styrene rubbery copolymer, Vulcanization of. A. C. Byrns and G. von Stroh. 2,459,916, Jan. 25.
Calibrating means for indicating instruments in pulse echo systems, Electronic. P. C. Michel. 2,460,142, Jan. 25.
Camera, Projectile flight recording multiple exposure. I. S. Bowen. 2,460,163, Jan. 25.
Camera with variaize focal plane aperture. C. E. Hannum. 2,460,174, Jan. 25.
Carbonating apparatus. S. S. Green and D. Keene. 2,460,004, Jan. 25.

Carrier: *See*—
Bottle carrier.
Collapsible carrier.

Carrier and conveyance, Shopper's combination. S. E. Bourne. 2,459,865, Jan. 25.
Carrier with density comparison scale, Negative. D. L. Butler. 2,460,060, Jan. 25.

Case: *See*—
Open-top refrigerated case.

Casing head. A. J. Penick. 2,460,238, Jan. 25.
Casings, Processing. T. R. Ernest. 2,460,077, Jan. 25.
Casting apparatus, Metal. S. L. Palmer and L. M. Beckes. 2,459,892, Jan. 25.
Catalyst gels. V. Voorhees. 2,459,903, Jan. 25.
Catalytic amidization process. P. W. Garbo. 2,460,002, Jan. 25.
Cathode. G. F. Rouse. 2,459,841, Jan. 25.
Cathode beam transmitter tube. H. B. Law. 2,460,093, Jan. 25.
Cathode structure for gas tubes, Partially indirectly heated. D. V. Edwards and E. K. Smith. 2,459,997, Jan. 25.
Cellulose sheet material, Manufacturing regenerated. C. Dreyfus, B. Andersen, and N. N. Kojevnikoff. 2,459,927, Jan. 25.
Centering or like punch. S. G. Young. 2,460,113, Jan. 25.
Centrifugal force operated switch. W. Z. West, Jr., and M. F. Gamble. 2,459,984, Jan. 25.
Centrifugal separator. L. D. Jones and H. S. Barnaby. 2,459,944, Jan. 25.

Chair: *See*—
Metal chair.

Changer, Fishing line. M. L. Roark. 2,459,963, Jan. 25.
Chemical reactions, Conducting. N. M. Winslow and G. W. Heise. 2,459,907, Jan. 25.
Chromium complex. Monoazo. H. W. Grimmel and L. Richter. 2,459,813, Jan. 25.
Chuck reconditioning device. L. B. Brown. 2,459,914, Jan. 25.

Circuit: *See*—
Motor control circuit.
Signal translator blocking circuit.
Testing circuit.
Vibrator circuit.

Circuit element and motor for driving the same. E. G. Seath and E. C. Klepp. 2,459,844, Jan. 25.
Circuit for machine tools, Hydraulic operating. W. B. Tucker. 2,459,902, Jan. 25.
Circuit interrupter. R. M. Bennett. 2,460,118, Jan. 25.
Circuits, Electric control. E. M. Gardiner and O. W. Livingston. 2,460,127, Jan. 25.
Circuits, Radio-frequency oscillator power supply. R. D. Boadle. 2,459,988, Jan. 25.
Clamp for rods and tubular members. H. Héritier. 2,460,176, Jan. 25.
Clamping means. C. L. Hardwick. 2,459,879, Jan. 25.

Cleaner: *See*—
Windshield cleaner.

Clip: *See*—
Hair clip.

Clock, Electric balance. J. Fink. 2,459,930, Jan. 25.
Closure, Curved foldable. E. R. Watkins. 2,460,157, Jan. 25.
Clothesline, Adjusting. D. E. Hutchings. 2,460,088, Jan. 25.
Clothespin. E. A. Alsop and H. V. King. 2,460,162, Jan. 25.

Clutch: *See*—
Sewing-machine clutch.
Coating composition and sheets coated therewith. R. E. Fay, Jr. 2,459,874, Jan. 25.
Coating composition comprising an amide-aldehyde resin and a polyester of an alpha-alkyl ether of glycerol and a dicarboxylic acid as plasticizer. E. W. Moffett. 2,460,187, Jan. 25.
Coating composition comprising an amide-aldehyde resin and a polyester of 2-ethyl hexane-diol-1,3 and a dicarboxylic acid as a plasticizer. E. W. Moffett. 2,460,186, Jan. 25.
Cobalt bromide relative humidity indicators. P. B. Davis. 2,460,068–9, Jan. 25.
Cobalt chloride relative humidity indicators. P. B. Davis. 2,460,071, Jan. 25.
Cobalt iodide relative humidity indicators. P. B. Davis. 2,460,073, Jan. 25.
Cobalt phosphate relative humidity indicators. P. B. Davis. 2,460,070, Jan. 25.
Cobalt sulfate relative humidity indicators. P. B. Davis. 2,460,065–6, Jan. 25.
Cobalt thiocyanate relative humidity indicators. P. B. Davis. 2,460,074, Jan. 25.
Coil and making such, Electrical. R. E. Powell. 2,459,894, Jan. 25.
Coal for variometers, Spherical. E. E. Combs. 2,459,794, Jan. 25.
Collapsible carrier. R. E. Smith and P. A. Musso. 2,460,108, Jan. 25.
Collet. A. M. Stoner. 2,459,899-900, Jan. 25.
Combination pump. W. L. Knott. 2,460,179, Jan. 25.
Computer, Spurious response. W. T. Doyle and E. R. Baker. 2,459,799, Jan. 25.
Condenser: *See*—
Electrical condenser.
Connector: *See*—
Separable connector.
Confectioneries, Making. J. J. Alikonis. 2,459,908, Jan. 25.
Construction for neon signs, Electrode. T. H. Briggs, Jr. 2,459,789, Jan. 25.
Contacting of liquids, Method and apparatus for countercurrent. J. D. Long and C. O. Rhys, Jr. 2,460,019, Jan. 25.
Contacting subdivided solid contact material with fluid reactants, particularly hydrocarbons, Method and apparatus for. F. W. Leffer. 2,459,824, Jan. 25.
Container: *See*—
Display and shipping container. Lined container.
Container. I. and J. D. Hill. 2,459,939, Jan. 25.
Control apparatus. C. S. Kelley. 2,459,883, Jan. 25.
Control apparatus. R. L. Wilson and E. R. Knauer. 2,460,055, Jan. 25.
Control arrangement, Voltage. C. N. Smyth and A. S. Grant. 2,459,846, Jan. 25.
Control device. C. E. Basley. 2,460,116, Jan. 25.
Control for bus heating and cooling systems, Electric. T. J. Lehane and E. H. Burgess. 2,460,135, Jan. 25.
Control for electric motors, Automatic reversing. V. Weber. 2,459,906, Jan. 25.
Control for oil burners, Automatic air shutoff and draft. K. M. Hammell. 2,459,815, Jan. 25.
Control of polyphase motors, Combined primary and secondary. E. W. Seeger. 2,460,037, Jan. 25.
Control system, Hydraulic. F. A. Hassman and H. Ernst. 2,459,937, Jan. 25.
Control system, Keying. R. S. Chapin. 2,460,061, Jan. 25.
Control unit, Millivolt. J. W. Alderson. 2,459,784, Jan. 25.
Controlling the lengths of separable fasteners. L. H. Morin. 2,460,102, Jan. 25.
Conversion of hydrocarbons, Thermal. G. M. Thacker and H. O. Folkins. 2,460,200, Jan. 25.
Conversion unit, Water heater. H. E. Handley. 2,459,816, Jan. 25.
Conveyer for dehydrating machines. A. E. Brunne. 2,459,915, Jan. 25.
Copper bromide relative humidity indicators. P. B. Davis. 2,460,067, Jan. 25.
Copper chloride relative humidity indicators. P. B. Davis. 2,460,072, Jan. 25.
Core, Variable reluctance. R. A. Pfuntner and F. R. D'Entremont. 2,460,145, Jan. 25.
Coupling: *See*—
Hydraulic coupling. Shaft coupling.
Pipe coupling.
Coupling for beaded pipes or tubings. R. E. Risley. 2,460,032, Jan. 25.
Coupling for round pipes and tubes. F. E. Cox. 2,459,872, Jan. 25.
Coupling means. L. M. Stinchcomb and R. S. Doerr. 2,460,110, Jan. 25.
Cover: *See*—
Milk pail cove.
Cover for automobile seats, Plastic. G. A. Lyon. 2,459,889, Jan. 25.
Covering, Hand. C. H. Woodbury and G. F. Brooks. 2,459,985, Jan. 25.
Crate, Egg. E. H. Lupton. 2,460,020, Jan. 25.
Crystal growing apparatus. C. J. Christensen and A. C. Walker. 2,459,869, Jan. 25.
Cup, Indoor practice putting. L. H. Gerding. 2,460,060, Jan. 25.
Curtain rod bracket. T. Raudenkolb. 2,460,193, Jan. 25.
Cutter: *See*—
Sleet cutter.
Cycle brake, N. Vacher. 2,460,204, Jan. 25.
Cyclic perchloro compounds, Fluorination of unsaturated. E. T. McBee and P. A. Wiseman. 2,459,783, Jan. 25.
Cylinder and frame, Locomotive. E. O. Elliott. 2,459,929, Jan. 25.
Decoy duck, Animated. C. V. Greenleaf. 2,460,128, Jan. 25.
Detector, High-low impedance electron tube. H. H. Wittenberg. 2,460,160, Jan. 25.
Device for playing "salvo." A. M. Zalkind. 2,460,208, Jan. 25.
Dew-point indicator. O. L. Graves and R. Bishop. 2,459,810, Jan. 25.
Diaphragm, Making a. M. Caserta. 2,460,168, Jan. 25.
Differential lock. E. J. Cook. 2,459,870, Jan. 25.
Dihydroxy benzene, Allylation of. K. P. Monroe. 2,459,835, Jan. 25.
Discharge device, Beam type electron. P. G. Chevigny. 2,459,792, Jan. 25.
Discharge device, Electric. E. D. McArthur. 2,460,141, Jan. 25.
Discharge device, Electrical. H. de B. Knight. 2,460,132, Jan. 25.
Discharge device of the velocity modulation type, Electron. J. H. Fremlin. 2,459,805, Jan. 25.
Discharge device, Velocity-modulated electron. J. H. Fremlin and C. H. Foulkes. 2,459,806, Jan. 25.
Disconnectible universal joint. D. A. Dalton. 2,460,216, Jan. 25.
Dispensing system, Two-stage liquefied petroleum gas. L. J. White. 2,460,158, Jan. 25.
Display and shipping container. J. K. Makrianes. 2,460,230, Jan. 25.
Distributor checker, Bomb station. J. A. Fahrner. 2,459,801, Jan. 25.
Dowel supporting assembly. W. S. Godwin. 2,460,172, Jan. 25.
Drier with rotor, stationary casing, and terminal separation means for drying matrials and drying fluid, Concurrent flow. O. Heller. 2,460,008, Jan. 25.
Drilling machine, Automatic. R. E. Vanderhide. 2,460,156, Jan. 25.
Drive, Variable-speed. W. M. Schweickart. 2,459,969, Jan. 25.
Driving means for spinning, twisting, and like spindles. J. Serra y Sló. 2,460,152, Jan. 25.
Dyeing, Continuous. W. M. Wentz. 2,460,206, Jan. 25.
Dyeing nylon with acid dyes of limited solubility. F. C. McGrew and W. H. Sharkey. 2,459,831, Jan. 25.
Dyestuffs, Anthraquinone vat. T. Holbro, W. Kern, and P. Sutter. 2,459,941, Jan. 25.
Electric cord reel. N. A. Gray. 2,460,082, Jan. 25.
Electric house furnace. W. H. Worden. 2,459,986, Jan. 25.
Electric motor. J. D. Cole. 2,460,063, Jan. 25.
Electric switch. C. F. Robbins. 2,460,034, Jan. 25.
Electric welding, Method and apparatus for. J. W. Dawson. 2,459,795, Jan. 25.
Electrical condenser. W. M. Roberds. 2,460,033, Jan. 25.
Electrode structure for electrical space discharge tubes. R. Wood. 2,459,861, Jan. 25.
Electromagnetic pressure gauge. J. F. Emerson. 2,460,076, Jan. 25.
Emulsion polymerization process. G. E. Serniuk. 2,460,038, Jan. 25.
Engine: *See*—
Internal-combustion engine. Rotary valve internal-combustion engine.
Rotary Diesel engine.
Engine control system, Plural. J. N. Good. 2,459,878, Jan. 25.
Engine noise equipment. C. K. Wilkinson. 2,459,860, Jan. 25.
Envelope structure for electron discharge devices, Laminated. J. G. Trump and R. W. Cloud. 2,460,201, Jan. 25.
Epicyclic change-speed gear. D. C. Goodchild. 2,460,081, Jan. 25.
Escapement mechanism. R. M. Flanagan. 2,460,000, Jan. 25.
Esters of organic carboxylic acids, Preparing. R. F. Phillips. 2,460,191, Jan. 25.
Esters of sulfolene halohydrins. E. C. Morris, E. C. Shokal, and J. L. Van Winkle. 2,460,233, Jan. 25.
Esters of 2-chloro-4-amino benzoic acid, Alkamine. H. C. Marks and M. I. Rubin. 2,460,139, Jan. 25.
Extraction of elemental sulfur from oils. J. A. Hart, L. N. Hollis, and J. W. Randolph. 2,460,227, Jan. 25.
Fan assembly for refrigerator cars, Bunker and air circulating. P. K. Beemer. 2,459,912, Jan. 25.
Feed control, particularly for the ink feed of printing presses, Liquid. C. S. Crafts. 2,459,922, Jan. 25.
Felted structures, Shaped. C. S. Francis, Jr. 2,459,804, Jan. 25.
Feltlike products. C. S. Francis, Jr. 2,459,803, Jan. 25.
Fence construction. L. D. Obert. 2,460,028, Jan. 25.
Filter. H. Hebo. 2,460,084, Jan. 25.
Fish lure, Weedless. C. C. Hoage. 2,459,819, Jan. 25.
Fixture, Plumbing. H. Gruen. 2,460,005, Jan. 25.
Flash percussive welding, Electric. P. L. Spencer. 2,459,847, Jan. 25.

Flask, Foundry. W. M. Duncan. 2,460,218, Jan. 25.
Fluid pressure bearing. M. E. Martellotti. 2,459,826, Jan. 25.
Fluorocarbons, Anellated. E. T. McBee and L. D. Bechtol. 2,459,782, Jan. 25.
4-vinylcyclohexene dioxide, Polymerization of. G. H. Segall. 2,460,195, Jan. 25.
Frequency generating system. M. A. Lalande. 2,459,822, Jan. 25.
Fuel reservoir for cigarette lighters. H. Knox. 2,460,180, Jan. 25.
Fuel system with emergency pump to maintain required discharge pressure, Multiple tank. E. M. Gavin, R. E. Grey, L. L. Aspelin, and G. F. Tate. 2,459,807, Jan. 25.
Fungicidal compositions. W. C. O'Kane and G. H. Morey. 2,460,188, Jan. 25.
Furnace: *See*—
Electric house furnace.
Game apparatus, Electrical jackstraws. J. M. Prentice. 2,460,146, Jan. 25.
Game board and piece therefor, Rotatable. J. M. Prentice, J. B. Umbach, and K. Ross. 2,460,264, Jan. 25.
Garment finishing apparatus. J. H. Richa and F. E. Hanson. 2,459,962, Jan. 25.
Garment, Lady's dress. C. Goldstein. 2,460,253, Jan. 25.
Gauge: *See*—
Electromagnetic pressure gauge. Pressure gauge.
Gauging apparatus for controlling a grinding operation. H. Michelsen and M. E. Reid. 2,460,232, Jan. 25.
Gear: *See*—
Epicyclic gear. change-speed
Generator: *See*—
High-power pulse generator. Rotation rate change generator.
Glass setting for store fronts. J. T. Miller. 2,460,185, Jan. 25.
Glove, Baseball. H. B. Latina. 2,459,887, Jan. 25.
Glyceride oils, Fractionation of unsaturated. E. M. James. 2,459,820, Jan. 25.
Golf club grip. T. P. Duncan, Jr. 2,459,996, Jan. 25.
Grid controlled electron tube. P. W. Charton. 2,460,062, Jan. 25.
Grid structure for electron discharge devices. S. Weston. 2,459,859, Jan. 25.
Grill, Folding charcoal cooking. F. L. Carroll. 2,460,125, Jan. 25.
Gripper head, Universal. E. D. Greer, Jr. 2,460,254, Jan. 25.
Guard, Finger. J. Talarico. 2,460,155, Jan. 25.
Guard, Safety window. H. Kopf. 2,459,884, Jan. 25.
Guard, Square lamp. A. T. Halbing. 2,460,173, Jan. 25.
Guide for typewriting machines, Bottom margin. H. Krogseng. 2,459,885, Jan. 25.
Hair clip. B. D'Alberto. 2,459,926, Jan. 25.
Handle control for suction cleaners. R. C. Osborn. 2,460,236, Jan. 25.
Hanger: *See*—
Utility garment hanger.
Hanger support. W. H. Baselt. 2,460,248, Jan. 25.
Harvester, Russian dandelion seed. R. M. Ramp. 2,460,029, Jan. 25.
Heat-exchange unit, Making. N. T. McKee. 2,460,024, Jan. 25.
Heat-treating. F. O. Hess. 2,460,086, Jan. 25.
Heat-treating, Method of and apparatus for. F. O. Hess. 2,460,085, Jan. 25.
Heating system. E. O. Wirth and F. Barfod. 2,460,207, Jan. 25.
High-power pulse generator. J. E. Gorham and I. Sager. 2,459,809, Jan. 25.
Hinge, Concealed. O. C. Gessler. 2,460,171, Jan. 25.
Hitch, Trailer. W. H. Robertson. 2,459,965, Jan. 25.
Holder: *See*—
Automatic safety flat-iron holder. Necktie holder. Piezoelectric crystal holder.
Bottle holder. Spool holder.
Brush holder.
Holder and gauge, Cable. M. Frank. 2,460,001, Jan. 25.
Holder and guide, Saw-file. C. Perry. 2,460,189, Jan. 25.
Holder for tool grinders, Work. J. D. Faudree. 2,460,078, Jan. 25.
Holder having recessed rotatable side members, Sign. J. H. Stokes. 2,460,154, Jan. 25.
Holder with base and standard, Sign. J. R. Edwards. 2,459,928, Jan. 25.
Holding attachment for automobiles, Spring. W. J. Bobek and F. W. Wohlfeld. 2,459,889, Jan. 25.
Hose protector. L. H. Swetnam. 2,459,853, Jan. 25.
Housing for electrical switches. R. Popp. 2,459,837, Jan. 25.
Hydraulic coupling. J. G. Lindeman. 2,460,137, Jan. 25.
Hydrocarbon conversion process, High-temperature. S. C. Eastwood. 2,460,219, Jan. 25.
Hydrocarbon mixtures, Purification of unsaturated. H. L. Yowell and M. W. Swaney. 2,460,036, Jan. 25.
Hydrocarbon oil concentrates of metal sulfonates, Producing. G. W. Duncan and J. C. Zimmer. 2,459,995, Jan. 25.
Hydrophenanthrene carboxylic acid intermediates. K. Miescher and G. Anner. 2,459,950, Jan. 25.
Hydroxy-hydrophenanthrene carboxylic acids and esters, Preparation of. K. Miescher and G. Anner. 2,459,949, Jan. 25.
Hydroxy hydrophenanthrene carboxylic acids and their esters, Preparing. K. Miescher, J. Heer, and J. R. Billeter. 2,459,834, Jan. 25.
Hydroxyphenyl alkanolamines. M. L. Moore and J. R. Corrigan. 2,460,144, Jan. 25.
Ignition apparatus, Flare. G. F. Kuhn. 2,460,016, Jan. 25.
Ignition system and apparatus thereof. A. C. Wall. 2,459,855, Jan. 25.
Indicating cathode-ray tube. H. G. Busignies. 2,459,790, Jan. 25.
Indicating ice on aircraft surfaces. K. B. Britton. 2,460,165, Jan. 25.
Indicator: *See*—
Dew-point indicator. Wire recorder indicator.
Indicator for typewriters, Page end. J. G. Furchak. 2,460,170, Jan. 25.
Inductance device, Variable. L. H. Lynn. 2,460,138, Jan. 25.
Inductor for high-frequency induction heating apparatus. R. J. Stanton. 2,459,971, Jan. 25.
Ink fountain for intaglio printing presses. J. E. Meyer. 2,460,184, Jan. 25.
Instrument for measuring resistances. A. Love. 2,460,095, Jan. 25.
Instrument, Impression. W. D. Curteman. 2,459,925, Jan. 25.
Insulating and dielectric compositions. F. M. Clark. 2,460,126, Jan. 25.
Internal-combustion engine. H. O. Hedges. 2,460,257, Jan. 25.
Internal-combustion engine. R. Périssé. 2,459,960, Jan. 25.
Internal-combustion engine. C. H. Vincent. 2,460,046, Jan. 25.
Internal shoe drum brake. F. G. Parnell. 2,459,958, Jan. 25.
Ionic vacuum pump. R. C. Hergenrother. 2,460,175, Jan. 25.
Jet propulsion plant. F. B. Halford. 2,459,935, Jan. 25.
Joint: *See*—
Disconnectible universal Swivel joint. joint.
Juice, Making rhubarb. O. C. Stout. 2,459,901, Jan. 25.
Ketoamines, Production of. M. L. Moore and J. R. Corrigan. 2,460,143, Jan. 25.
Knitting machine attachment. F. G. Weisbecker. 2,460,050, Jan. 25.
Lacquer for the protection of electrical components, Moisture-resistant. C. R. Pye. 2,460,103, Jan. 25.
Lawn mower fly knife. E. H. Worthington. 2,460,111, Jan. 25.
Lead sulfate pigment, Basic. A. R. Pitrot. 2,460,241, Jan. 25.
Lead-tin alloy plating. A. H. Du Rose and J. D. Little. 2,460,252, Jan. 25.
Lid structure, Journal box. T. R. Weber. 2,459,905, Jan. 25.
Lifter and turner, Windrow. E. C. Pollard. 2,459,961, Jan. 25.
Ligno-cellulose die-stock and making. C. F. Story. 2,459,851, Jan. 25.
Line for ultra-high frequencies, Attenuating. C. B. Watts, Jr. 2,459,857, Jan. 25.
Lined container. N. E. Werner. 2,460,052, Jan. 25.
Linking and delinking machine for ammunition belts. N. W. Lyon. 2,460,096, Jan. 25.
Loading and dispensing apparatus, Delivery truck. H. I. Richards. 2,459,839, Jan. 25.
Lock: *See*—
Differential lock. Nut or bolt lock.
Lock for pistols, Trigger. J. Quinn and L. L. McDonie. 2,459,838, Jan. 25.
Locking device. C. E. Allerton. 2,459,785, Jan. 25.
Locking means, Door. J. A. Clark. 2,459,920, Jan. 25.
Loom: *See*—
Narrow ware loom.
Low center of gravity sleds. V. W. Manthey. 2,460,021, Jan. 25.
Lubricant, Synthetic. D. T. Rogers and J. H. Bartlett. 2,460,035, Jan. 25.
Lubricating composition. W. J. Sparks and D. W. Young. 2,460,041, Jan. 25.
Lubrication, Track joint. F. W. Brooke. 2,459,990, Jan. 25.
Machine for carroting loose fur. E. A. Culhane and D. D. Wilson. 2,459,924, Jan. 25.
Machine transmission and control, Milling. E. D. Vancil and F. A. Hassman. 2,459,976, Jan. 25.
Magneto. I. B. Johnson. 2,460,130, Jan. 25.
Magnetron. J. P. Blewett and R. V. Langmuir. 2,460,119, Jan. 25.
Maleamic acid, Manufacture of. R. S. Robinson and E. L. Humburger. 2,459,964, Jan. 25.
Massaging apparatus or the like. D. V. Summerville. 2,460,245, Jan. 25.
Material handling apparatus. H. A. and G. H. Wagner. 2,459,978, Jan. 25.
Measurement or variation of physical states of materials. M. K. Taylor and A. D. Knowles. 2,460,199, Jan. 25.

Cup. Indoor practice putting. L. H. Gerding. 2,460,080, Jan. 25.

Flash percussive welding, Electric. P. L. Spencer. 2,459,847, Jan. 25.

Mechanical members to shafts or the like, Securing. E. W. Krause. 2,460,091, Jan. 25.
Mechanism for typewriters, Silent key. P. F. Gattuso. 2,459,932, Jan. 25.
Metal chair. J. J. Nash. 2,460,027, Jan. 25.
Metallizable tetrakisazo dye. W. Bossard. 2,459,913, Jan. 25.
Mica, Peating. K. N. Mathes. 2,460,140, Jan. 25.
Milk pail cover. A. C. Welby. 2,460,049, Jan. 25.
Mixer for gas burners. C. Bellios. 2,460,057, Jan. 25.
Mixing valve. R. Yuza. 2,460,161, Jan. 25.
Model duplicates, Making. H. E. Renaud. 2,460,242, Jan. 25.
Momentary slowdown device for high-speed blankholder presses. R. J. Lindsey. 2,459,888, Jan. 25.
Motion repeating system. T. O. McCarthy. 2,459,830, Jan. 25.
Motor: *See*—
  Electric motor. Spring motor.
Motor control circuit. A. M. Curtis. 2,460,064, Jan. 25.
Motor control system, Induction. A. H. Myles and A. C. Prottengeier. 2,460,234, Jan. 25.
Motor drive, Speed regulating. B. W. Carrington. 2,459,917, Jan. 25.
Mounting: *See*—
  Railway truck journal box mounting.
Mounting for refrigerating apparatus and the like. H. O. Kirkpatrick. 2,459,946, Jan. 25.
Moving stairway brake. G. W. Lautrup and J. N. Anderson. 2,460,017, Jan. 25.
Narrow ware loom. M. Hahne. 2,459,814, Jan. 25.
Necktie holder. S. A. Johnson. 2,460,089, Jan. 25.
Network, Trigger. H. R. Summerhayes, Jr. 2,459,852, Jan. 25.
Nitro olefines, Production of. C. W. Scaife, A. E. W. Smith, and H. Baldock. 2,460,243, Jan. 25.
Nonsulfide ores, Concentration of. K. F. Schilling. 2,459,966–7, Jan. 25.
Novelty, Double-cut educational. L. H. Fireng. 2,460,169, Jan. 25.
Nut or bolt lock. J. F. Kendrick. 2,460,131, Jan. 25.
Oil composition, Lubricating. J. G. McNab and J. H. Bartlett. 2,460,025, Jan. 25.
Open-top refrigerated display case. J. C. Rear. 2,460,030, Jan. 25.
Optical method of testing milk for relative uniformity. A. A. McMurray. 2,460,101, Jan. 25.
Oscillator, Crystal controlled. G. T. Royden. 2,459,842, Jan. 25.
Panel and fastener assembly. H. E. Mills. 2,459,953, Jan. 25.
Paper, Making cockle. S. B. Stafford. 2,460,042, Jan. 25.
Partition device for cooking pots. M. M. Himmel. 2,459,940, Jan. 25.
Pattern board. H. O. Capps. 2,460,213, Jan. 25.
Peening machine. W. J. Cahill. 2,460,123, Jan. 25.
Pen, Fountain. D. C. Crain. 2,459,993, Jan. 25.
Perhalotoluenes. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,459,779, Jan. 25.
Petroleum gas, Method and apparatus for vaporizing liquefied. A. C. Turner. 2,459,974, Jan. 25.
Phosphonic acid esters. W. O. Teeters. 2,460,043, Jan. 25.
Photopolymerization of vinylidene compounds with organic disulfides. L. M. Richards. 2,460,105, Jan. 25.
Piezoelectric crystal holder. R. Smoluchowski. 2,460,153, Jan. 25.
Pilot for pot type oil burners, Quadrant. M. D. Huston. 2,460,013, Jan. 25.
Pipe coupling. J. A. Muller. 2,459,956, Jan. 25.
Pipe mitering apparatus. M. N. Lebedeff. 2,459,823, Jan. 25.
Plate, Trolling. O. C. Palmer. 2,460,237, Jan. 25.
Plow or the like and making same. R. H. Figard. 2,459,999, Jan. 25.
Plug: *See*—
  Spark plug. Transformer spark plug.
Polycarbocyclic perfluoro-compounds, Anellated. E. T. McBee and L. D. Bechtol. 2,459,780, Jan. 25.
Polyvinyl acetate emulsion adhesive. G. O. Morrison, T. P. G. Shaw, J. D. P.-E. Mercier, and H. M. Collins. 2,459,955, Jan. 25.
Positioning objects for automatic color sorting. E. H. Bickley. 2,460,212, Jan. 25.
Power apparatus, Hydraulic. R. M. Brodeur. 2,460,058, Jan. 25.
Power supply, Stabilized. J. van der Heem. 2,459,977, Jan. 25.
Power transmission. E. C. Maxwell. 2,459,829, Jan. 25.
Pressure gauge. H. H. Furn. 2,459,931, Jan. 25.
Pressure regulating means. A. von Wangenheim. 2,460,048, Jan. 25.
Pressure sensitive adhesive mass. W. L. Nelson and O. R. Sinnig. 2,459,891, Jan. 25.
Printer, Electrical code. L. Kozma and G. X. Lens. 2,459,821, Jan. 25.
Projector, Grenade. W. E. Swift, Jr. 2,459,854, Jan. 25.
Projector, Smoke bomb. J. H. McLain and A. C. Fairchild. 2,459,833, Jan. 25.
Protecting systems for transporting media corrosive to metal. H. L. Kahler. 2,460,259, Jan. 25.
Protector: *See*—
  Hose protector.
Pull down device. V. E. Richardson. 2,459,840, Jan. 25.
Pulse system, Electrical. V. C. Westcott. 2,459,858, Jan. 25.
Pump: *See*—
  Combination pump. Variable capacity rotary pump.
  Ionic vacuum pump.
  Roller vane rotary pump.
Pump. A. W. Burks. 2,460,122, Jan. 25.
Pump and pressure control means, Vane. A. von Wangenheim. 2,460,047, Jan. 25.
Pump and reservoir assembly, Lubricator. R. F. Urso. 2,460,203, Jan. 25.
Pump or motor, Hydraulic pressure. B. Beaman, J. Hulman, and R. A. Stein. 2,459,786, Jan. 25.
Purse, Sleevelet. T. D. Cimino. 2,459,992, Jan. 25.
Racemic *α* hydroxy *β,β* dimethyl *α* butyrolactone, Resolution of. F. D. Pickel, J. I. Fass, and S. Chodroff. 2,460,239–40, Jan. 25.
Radio identifying system. D. D. Grieg. 2,459,811, Jan. 25.
Radio receiver gain-control arrangement. B. F. Tyson. 2,460,202, Jan. 25.
Railway truck journal box mounting. D. S. Barrows and E. H. Blattner. 2,460,211, Jan. 25.
Range, Kitchen. O. Ollert. 2,460,263, Jan. 25.
Reaction products of an aldehyde with allyl ether of anacardic material. M. T. Harvey. 2,460,256, Jan. 25.
Reading stand. W. H. Curtis. 2,459,873, Jan. 25.
Reciprocating tool. R. F. Jackson. 2,459,942, Jan. 25.
Rectifier and transformer unit. K. L. Hansen. 2,460,006, Jan. 25.
Rectifier bridge, Metal. M. C. Bloom. 2,459,787, Jan. 25.
Rectifier element. M. J. Stateman. 2,459,848, Jan. 25.
Rectifier in glass or other insulating container, Full-wave. W. F. Bonner. 2,459,788, Jan. 25.
Rectifier, Selenium. W. P. Krok. 2,459,886, Jan. 25.
Reel: *See*—
  Electric cord reel.
Refuse bag support. T. O. Smith. 2,459,970, Jan. 25.
Retainer, Packing. C. T. Ripley. 2,460,031, Jan. 25.
Rheostat, Speed-responsive. F. P. Vacha. 2,460,246, Jan. 25.
Roadwheel assembly for automobiles, Emergency. F. C. Kember. 2,460,178, Jan. 25.
Rod driver, Flexible. L. W. Schoensiegel. 2,460,149, Jan. 25.
Roller attachment. E. W. Little. 2,460,094, Jan. 25.
Roller vane rotary pump. H. H. Looke. 2,460,018, Jan. 25.
Roof for liquid storage tanks, Floating. J. H. Wiggins. 2,460,053, Jan. 25.
Rotary Diesel engine. G. F. Pieper. 2,460,192, Jan. 25.
Rotary electric switch. G. S. Ellithorpe. 2,459,998, Jan. 25.
Rotary valve internal-combustion engine. H. P. Stevens. 2,459,973, Jan. 25.
Rotation rate change generator. A. P. Adamson. 2,460,115, Jan. 25.
Rubber, Preserving synthetic. L. H. Howland. 2,460,177, Jan. 25.
Safety control device for motor vehicles. H. T. Higgins. 2,459,938, Jan. 25.
Safety device for aircraft pilots. M. J. O. Lobelle. 2,459,948, Jan. 25.
Safety device for labeling machines. S. T. Carter. 2,460,214, Jan. 25.
Saw set. J. J. Stocker. 2,460,198, Jan. 25.
Sawmill construction. E. E. Esgate. 2,459,800, Jan. 25.
Screw conveying steam distilling apparatus for pomace. E. K. Metzner. 2,459,951, Jan. 25.
Sealing material. W. P. Marshall. 2,460,181, Jan. 25.
Seat for aircrafts, Sling type. P. F. Scholander. 2,459,843, Jan. 25.
Selective apparatus, Frequency. W. F. Kannenberg. 2,460,090, Jan. 25.
Separable connector. I. F. Matthysse. 2,460,231, Jan. 25.
Separator: *See*—
  Centrifugal separator.
Sewing-machine clutch. A. R. Wood. 2,460,247, Jan. 25.
Shaft coupling. R. F. Bergmann. 2,460,249, Jan. 25.
Sharpening device. B. H. Johnston. 2,459,945, Jan. 25.
Sheet gripping and pulling tool. V. H. Hasselquist. 2,460,007, Jan. 25.
Shock absorbing strut, Retractable. E. C. Wells. 2,459,982, Jan. 25.
Shoe, Platform type. R. Maling. 2,460,098, Jan. 25.
Shoe, Platform type welt. R. Maling. 2,460,097, Jan. 25.
Shoe with sole edge binding and welt. W. L. Mills and F. W. Kruger. 2,460,262, Jan. 25.
Signal translator blocking circuit. M. C. Dettman. 2,459,798, Jan. 25.
Silica-alumina, silica-magnesia catalyst, Mixed. J. P. Billisoly. 2,459,987, Jan. 25.
Silver impregnation. G. Schwarz. 2,459,896–7, Jan. 25.
Sinker. J. Pelmarsh. 2,459,959, Jan. 25.
Siphon apparatus for heated rolls. H. W. Bruker. 2,460,059, Jan. 25.

Sirup, Making. C. C. Capdevielle. 2,459,991, Jan. 25.
Size adaption for automobile exhaust pipe extensions and the like. C. W. Chester. 2,459,918, Jan. 25.
Sleet cutter. R. Malpert. 2,460,099, Jan. 25.
Snap-action electric switch. G. Hollis. 2,460,087, Jan. 25.
Soap product containing guanidine stearate. L. F. Henderson. 2,459,818, Jan. 25.
Sole-pressing mechanism. T. H. Seely and L. S. Linderoth, Jr. 2,459,845, Jan. 25.
Spark plug. F. I. McCarthy and C. Schandler. 2,460,022, Jan. 25.
Spool holder. W. C. Adiman. 2,460,209, Jan. 25.
Spring motor. E. J. Cole. 2,459,871, Jan. 25.
Spring suspension for vehicles. F. T. Rowland. 2,460,106, Jan. 25.
Stand: *See*—
  Reading stand.
Still and decanter for the recovery of products from alcoholic solutions of oleaginous materials. A. C. Beckel and P. A. Belter. 2,460,117, Jan. 25.
Stop for slide fasteners, End. A. E. Carlile. 2,460,124, Jan. 25.
Straightening apparatus. E. E. Brayshaw. 2,460,164, Jan. 25.
Strap cutting tool. N. T. Bissett and N. C. Moore. 2,459,864, Jan. 25.
Structure for electric discharge devices, Electrode. R. J. Bondley. 2,460,120, Jan. 25.
Stud, Welding. W. E. Palmer. 2,459,957, Jan. 25.
Support: *See*—
  Hanger support. Tank flush ball and guide support.
  Refuse bag support.
Sulfonium methosulfates. J. N. Hansen. 2,460,223, Jan. 25.
Swinging jaw adjustable wrench. R. Johnson. 2,459,882, Jan. 25.
Switch: *See*—
  Centrifugal force operated switch. Snap-action electric switch.
  Electric switch. Thermometric alarm switch.
  Rotary electric switch.
Swivel joint. D. C. Warren. 2,459,981, Jan. 25.
Syringe and ampoule. M. L. Folkman. 2,459,875, Jan. 25.
Syringe, Hypodermic. R. P. and J. O. Scherer. 2,460,039, Jan. 25.
System of producing harmonics. J. L. Hurault. 2,460,012, Jan. 25.
Table: *See*—
  Bed table.
Table and footrest, Combination. A. Roth. 2,460,148, Jan. 25.
Tank bottoms equipped with improved means for testing seams and recovering leakage from same. J. H. Wiggins. 2,460,054, Jan. 25.
Tank flush ball and guide support. W. B. Zern. 2,460,114, Jan. 25.
Tank for photographic films, Washing. F. W. Deerfield. 2,460,217, Jan. 25.
Tank pump-out method. P. H. Jones. 2,460,258, Jan. 25.
Tank with flaker, Reaction. M. L. Harbaugh. 2,460,083, Jan. 25.
Telltale for frozen food packages. K. J. Chase. 2,460,215, Jan. 25.
Temperatures, Controlling reaction. E. V. Murphree. 2,459,836, Jan. 25.
Ten key entry mechanism. H. T. Avery. 2,459,862, Jan. 25.
Terminal, Electrical outlet. B. P. McKinley. 2,459,832, Jan. 25.
Terminal means for electrical devices. C. L. Jauss. 2,459,943, Jan. 25.
Testing circuit. M. J. Stateman. 2,459,849, Jan. 25.
Thermometer having a casing with a magnifying element. W. E. Welch. 2,460,051, Jan. 25.
Thermometric alarm switch. J. O. Lee. 2,460,134, Jan. 25.
Thermostat, Adjustable. J. L. Schwartz. 2,459,968, Jan. 25.
Time interval control device, Adjustable. P. O. Gibson. 2,459,876, Jan. 25.
Tool: *See*—
  Reciprocating tool. Strap cutting tool.
  Sheet gripping and pulling tool.
Tool for the application of emergency tire chains, Flexible. A. E. Humboldt. 2,460,010, Jan. 25.
Toolholder. B. Barrett. 2,460,210, Jan. 25.
Tool parts, Making. W. C. Alvin. 2,459,910, Jan. 25.
Torque limiting device. W. C. Starkey. 2,459,972, Jan. 25.
Training device, Gunnery. R. B. Buchanan. 2,459,867, Jan. 25.
Transformer spark plug. A. C. Wall. 2,459,856, Jan. 25.
Translating device, Electrical. G. C. Southworth. 2,460,109, Jan. 25.
Translator, Telegraph signal code. E. F. Watson. 2,459,904, Jan. 25.
Transmission. H. E. Churchill. 2,459,793, Jan. 25.
Transmission, Auxiliary. B. B. Bachman and D. J. Macklin. 2,459,911, Jan. 25.
Transmission control system. A. C. Dickieson. 2,460,075, Jan. 25.
Transmitting mechanism, Motion. N. J. Jones. 2,460,015, Jan. 25.
Traveling nut limit stop. W. S. Hall, Jr. 2,460,222, Jan. 25.
Trimming board. R. A. Webster. 2,460,205, Jan. 25.
Truck, Material lifting and transporting. H. A. and G. H. Wagner. 2,459,979, Jan. 25.
Truck, Scoop. H. A. and G. H. Wagner. 2,459,980, Jan. 25.
Truing apparatus for centerless machines. G. Crompton, Jr. 2,459,923, Jan. 25.
Truss, Adjustable. F. G. McCord. 2,460,100, Jan. 25.
Tube: *See*—
  Cathode beam transmitter tube. Indicating cathode-ray tube.
  Grid controlled electron tube. Vacuum tube.
Tube expander with expansible ball drift removable by its expansion. G. A. Geyer. 2,459,808, Jan. 25.
Tungsten values from ore, Recovering. B. Burwell and J. H. Brennan. 2,459,868, Jan. 25.
Turbine apparatus. S. S. Stine. 2,459,850, Jan. 25.
2-(4′ carboxy-butyl)-3:4-di((acylamido)-4:5 dihydrothiophene and its esters. S. A. Harris and G. E. Arth. 2,459,817, Jan. 25.
Utility garment hanger. H. G. Alfos. 2,459,909, Jan. 25.
Vacuum chamber evacuation. H. L. Smith, Jr. 2,460,197, Jan. 25.
Vacuum tube. P. G. Chevigny and C. M. Wheeler. 2,459,791, Jan. 25.
Valve: *See*—
  Balanced fluid motor valve. Mixing valve.
Valve for internal-combustion engines, Rotary. R. H. Hasler and H. P. Stevens. 2,459,936, Jan. 25.
Valve with grid mounted on divided anode insulator, Electric. O. K. Marti and E. B. Steinberg. 2,459,828, Jan. 25.
Valve with vitreous enamel seals, Electric. O. K. Marti. 2,459,827, Jan. 25.
Vapor outlet for truck tanks. L. J. White. 2,460,159, Jan. 25.
Variable capacity rotary pump. P. M. Diaz. 2,460,251, Jan. 25.
Vibrator circuit. H. J. Brown and J. A. Mas. 2,459,866, Jan. 25.
Vise, Quick-acting lever actuated pipe. L. J. Ferree. 2,460,079, Jan. 25.
Vitamin compositions. W. Huber and W. R. Boehme. 2,460,009, Jan. 25.
Water treating apparatus. J. F. Sebald. 2,460,036, Jan. 25.
Water treating equipment, Base exchange. C. Hungerford, Jr., and J. G. Reutter. 2,460,011, Jan. 25.
Welding apparatus. T. W. Griffiths. 2,459,812, Jan. 25.
Welding system. J. W. Dawson. 2,459,796, Jan. 25.
Wheel for motor vehicles, Steering. F. Den. 2,459,797, Jan. 25.
Wheel hub cap structure. G. A. Lyon. 2,459,890, Jan. 25.
Wheels for endless track vehicles and mounting same. B. A. Swennes, L. E. Shelton, and C. E. Swenson. 2,459,975, Jan. 25.
Windshield cleaner. A. Rappl. 2,460,147, Jan. 25.
Wire recorder indicator. M. O. Petroff and W. F. Straub. 2,460,190, Jan. 25.
Wire twisting apparatus. J. A. Openshaw. 2,460,235, Jan. 25.
Wrench: *See*—
  Swinging jaw adjustable wrench.

CLASSIFICATION OF PATENTS

ISSUED JANUARY 25, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 19: 2,460,387
21: 2,460,155
106: 2,460,253
161: 2,460,955
4— 57: 2,460,114
191: 2,460,006
5— 263: 2,459,880
8— 55: 2,459,831
94.11: 2,460,077
149.1: 2,460,306
15— 33: 2,460,153
16— 34: 2,460,094
135: 2,460,171
18— 5.1: 2,459,925
42: 2,460,102
48: 2,459,927
58: 2,460,242
59: 2,460,166
20— 56.4: 2,460,185
67.5: 2,459,953
22— 70: 2,459,892
111: 2,460,216
167: 2,460,213
23— 1: 2,459,836
16: 2,459,895
24: 2,459,856
252: 2,460,052
255: 2,460,083
288: 2,460,151
301: 2,459,889
24— 40: 2,460,089
73: 2,460,228
187: 2,460,152
205.11: 2,460,124
263: 2,458,840
25— 41: 2,460,167
2,460,220
29— 67: 2,460,001
282: 2,459,954
30— 134: 2,459,864
31— 61: 2,460,040
33— 21: 2,459,828
127: 2,460,180
34— 9: 2,459,908
52: 2,460,199
125: 2,460,060
35— 26: 2,459,867
36: 2,460,169
36— 16: 2,460,252
17: 2,460,007
19.5: 2,460,088
62: 2,460,009
40— 125: 2,459,926
2,460,154
43— 3: 2,460,128
39: 2,459,819
52: 2,459,989
45— 60: 2,459,873
51— 59: 2,459,945
84: 2,460,200
165: 2,460,232
187: 2,459,898
219: 2,460,078
262: 2,459,899
56— 19: 2,460,029
294: 2,460,111
372: 2,459,981
57— 104: 2,460,183
58— 28: 2,459,880
60— 52: 2,460,058
97: 2,459,945
2,459,978
62— 1: 2,459,974
2,460,156
2,460,159
24: 2,459,912
89.5: 2,460,080
102: 2,460,150
64— 8: 2,460,216
9: 2,460,349
66— 149: 2,460,080
67— 81: 2,460,180
69— 5: 2,459,924
200: 2,460,261
70— 223: 2,459,920
73— 17: 2,459,810
116: 2,460,045
372: 2,460,051
396: 2,460,076
407: 2,459,921
74— 48: 2,459,942
126: 2,460,247
206: 2,459,917
421: 2,460,149
494.5: 2,460,222
552: 2,459,797
573: 2,459,947
668: 2,460,081
712: 2,459,870
760: 2,459,793
781: 2,459,911
793: 2,459,989
76— 31: 2,460,199
60: 2,460,198
101: 2,459,910
77— 32: 2,459,902
2,460,156
86: 2,460,092
81— 5.1: 2,460,077
15.5: 2,460,010
19: 2,460,079
99: 2,459,882
85— 48: 2,460,096
87— 22: 2,460,209
88— 2.4: 2,459,919
14: 2,460,101
24: 2,460,080
89— 1: 2,459,833
2,459,854
34: 2,459,934
137: 2,459,838
90— 11: 2,459,937
21: 2,459,976
92— 57: 2,460,139
94— 61: 2,460,172
96— 22: 2,460,174
36: 2,460,163
98: 2,460,217
98— 10: 2,459,946
99— 23: 2,459,908
105: 2,459,901
142: 2,459,901
193: 2,460,215
427: 2,459,933
101— 157: 2,460,184
351: 2,459,922
103— 103: 2,460,122
120: 2,460,251
136: 2,460,018
2,460,047
162: 2,459,786
179: 2,460,179
106— 37: 2,459,939
234: 2,460,211
106— 154: 2,459,962
207: 2,460,241
113— 33: 2,459,877
37: 2,460,122
45: 2,459,886
116— 164: 2,460,166
117— 11: 2,460,042
76: 2,459,874
97: 2,460,209
136.5: 2,459,896
2,459,897
120— 42: 2,459,993
121— 46.5: 2,460,196
123— 43: 2,460,192
59: 2,459,973
74: 2,460,257
80: 2,459,936
90: 2,459,960
127: 2,460,046
169: 2,460,022
125— 11: 2,459,923
126— 9: 2,460,126
10: 2,460,263
128— 23: 2,460,345
90: 2,460,100
218: 2,459,875
218: 2,460,089
132— 46: 2,459,926
137— 144: 2,459,883
153: 2,460,048
138— 30: 2,460,121
139— 18: 2,459,814
151— 32: 2,460,131
152— 210: 2,460,003
241: 2,460,023
153— 54: 2,460,164
80.5: 2,459,808
154— 2.6: 2,460,140
46: 2,459,804
53.5: 2,460,181
54: 2,459,803
132: 2,459,851
155— 179: 2,459,889
194: 2,460,027
158— 27.4: 2,459,881
36.4: 2,459,807
91: 2,460,013
2,460,014
115: 2,460,016
118: 2,460,057
160— 84: 2,460,157
223: 2,459,884
161— 1: 2,459,876
22: 2,460,133
164— 34: 2,460,194
59: 2,460,205
123.5: 2,460,113
166— 14: 2,460,238
167— 24: Re.23,080
33: 2,460,188
170— 135: 2,459,237
171— 97: 2,459,977
2,460,000
123: 2,460,006
209: 2,460,115
2,460,130
242: 2,460,138
2,460,145
327: 2,460,153
172— 36: 2,459,844
2,460,063
261: 2,460,012
284: 2,459,829
2,460,015
173— 340: 2,459,832
175— 21: 2,459,894
2,459,943
41: 2,460,033
183: 2,459,801
2,460,095
2,460,107
320: 2,460,055
350: 2,459,794
363: 2,459,985
365: 2,459,856
366: 2,459,787
2,459,788
2,459,848
2,459,849
2,459,886
176— 126: 2,459,789
177— 7: 2,459,860
311: 2,460,155
178— 26: 2,459,904
34: 2,459,821
44: 2,459,857
2,460,090
180— 1: 2,460,178
9.1: 2,459,975
183— 49: 2,459,802
77: 2,459,944
184— 27: 2,460,203
185— 9: 2,459,871
188— 24: 2,460,204
69: 2,460,017
78: 2,459,958
152: Re.23,061
209: 2,460,248
189— 35: 2,459,953
192— 3: 2,459,995
56: 2,459,972
196— 30: 2,460,227
52: 2,459,824
2,460,200
2,460,219
197— 83: 2,459,982
189: 2,459,985
2,460,170
198— 33: 2,460,212
211: 2,459,915
200— 6: 2,459,998
16: 2,460,034
67: 2,460,067
80: 2,459,984
141: 2,459,968
2,460,134
147: 2,460,118
168: 2,459,837
201— 51: 2,460,246
202— 176: 2,459,961
2,460,117
204— 43: 2,460,252
162: 2,460,105
209— 9: 2,459,966
2,459,967
210— 24: 2,460,011
2,460,036
51: 2,460,258
167: 2,460,084
211— 60: 2,460,230
65: 2,460,136
118: 2,459,853
119.02: 2,460,068
214— 83.3: 2,459,839
113: 2,459,979
117: 2,459,978
120: 2,459,980
216— 54: 2,460,214
217— 12: 2,460,104
219— 4: 2,459,795
2,459,846
2,459,847
10: 2,460,024
12: 2,459,863
13: 2,459,971
14: 2,459,812
38: 2,459,816
39: 2,459,996
220— 18: 2,460,054
21: 2,459,921
22: 2,459,940
26: 2,460,053
222— 133: 2,460,161
223— 67: 2,459,952
224— 28: 2,459,992
226— 28: 2,460,108
29: 2,460,020
36: 2,459,939
52: 2,460,229
230— 69: 2,460,175
73: 2,460,197
114: 2,459,815
115: 2,459,935
235— 61: 2,459,862
83: 2,459,799
236— 9: 2,460,207
238—161.5: 2,459,900
240— 54: 2,460,173
123: 2,459,898
241— 57: 2,460,006
242— 85: 2,459,953
107: 2,460,082
244— 102: 2,459,982
122: 2,459,843
244— 2,459,948
248— 10: 2,459,970
23: 2,459,800
117.7: 2,460,044
161: 2,459,785
200: 2,459,909
206: 2,460,193
361: 2,459,879
250— 2: 2,459,784
17: 2,459,809
20: 2,459,798
2,460,202
27: 2,459,852
2,460,061
2,460,142
2,460,160
27.5: 2,459,792
2,459,827
2,459,828
2,459,841
2,459,859
2,459,984
2,459,997
2,460,062
2,460,120
2,460,132
2,460,201
33.53: 2,460,260
36: 2,459,822
2,459,842
2,459,846
71: 2,460,221
164: 2,460,093
176: 2,460,141
252—33.2: Re.23,082
42.7: 2,460,025
46.6: 2,460,041
63.5: 2,460,126
117: 2,459,818
408: 2,460,065
2,460,066
2,460,067
2,460,068
2,460,069
2,460,070
2,460,071
2,460,072
2,460,073
2,460,074
455: 2,459,987
253— 77: 2,459,850
256— 24: 2,460,028
257— 3: 2,460,135
260— 17: 2,459,955
18: 2,460,256
19: 2,460,108
2,460,255
23.7: 2,460,038
31.4: 2,460,187
31.6: 2,460,186
33.6: 2,459,891
45.9: 2,460,177
79.5: 2,459,916
88.3: 2,460,195
161: 2,459,813
166: 2,459,913
251: 2,460,009
286: 2,459,904
294: 2,460,182
295.5: 2,460,002
319: 2,460,040
320: 2,459,817
2,460,224
2,460,225
2,460,226
2,460,233
344: 2,460,239
2,460,240
368: 2,459,941
428.5: 2,459,920
457: 2,460,223
461: 2,460,043
260— 472: 2,460,126
473: 2,459,834
2,459,950
482: 2,460,191
485: 2,460,035
504: 2,459,996
520: 2,459,940
534: 2,459,904
570.5: 2,460,143
570.6: 2,460,144
580: 2,459,907
618: 2,460,265
625: 2,459,835
644: 2,460,243
648: 2,459,780
2,459,781
2,459,782
2,459,783
651: 2,459,779
681.5: 2,460,066
705: 2,460,019
261— 62: 2,460,004
263— 2: 2,460,085
2,460,086
267— 1: 2,460,116
19: 2,460,106
272— 30: 2,460,026
273— 1: 2,460,146
36: 2,460,080
81: 2,459,996
130: 2,460,208
134: 2,460,264
279— 15: 2,460,210
33: 2,460,254
61: 2,459,909
33.9: 2,459,965
36: 2,459,865
150: 2,459,989
284— 17: 2,460,137
285— 7: 2,460,110
90: 2,460,032
97.3: 2,459,981
120: 2,459,872
2,459,956
198: 2,459,918
287— 20.2: 2,459,957
53: 2,460,091
2,460,147
54: 2,460,176
76: 2,460,231
301— 106: 2,459,890
306— 10: 2,460,236
308— 47: 2,459,905
89: 2,460,031
122: 2,459,825
2,459,826
311— 27: 2,460,244
38: 2,460,148
315— 6: 2,459,806
2,459,808
13: 2,459,790
22: 2,460,112
39: 2,459,791
40: 2,460,119
57: 2,459,856
85: 2,459,855
246: 2,460,127
318— 30: 2,459,830
211: 2,460,224
215: 2,459,037
257: 2,460,064
265: 2,459,906
320— 1: 2,459,858
332— 40: 2,460,075
52: 2,460,109
343— 13: 2,459,811

This list shows the correct classification of those patents wherein the classification given in the patent

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,459,784:	250— 2	2,459,845:	60— 97	2,459,949:	260—520	2,460,044:	248—117.7	2,460,123:	113— 37	2,460,177:	260—45.9
2,459,791:	315— 39	2,459,853:	211—118	2,459,954:	29—282	2,460,054:	220— 18	2,460,126:	252—63.5	2,460,182:	260—294
2,459,793:	74—760	2,459,869:	23—301	2,459,956:	285—120	2,460,075:	332— 40	2,460,129:	92— 57	2,460,193:	248—206
2,459,802:	183— 49	2,459,880:	5—282	2,459,962:	223— 67	2,460,077:	8—94.11	2,460,136:	211— 65	2,460,196:	260—88.3
2,459,808:	153—80.5	2,459,894:	175— 21	2,459,969:	74—793	2,460,100:	128— 99	2,460,138:	171—242	2,460,235:	279—119
2,459,826:	308—122	2,459,900:	272— 51	2,459,970:	248— 10	2,460,102:	18— 42	2,460,145:	171—242	2,460,254:	279— 33
2,459,835:	260—625	2,459,909:	248—200	2,460,007:	81—5.1	2,460,103:	260— 19	2,460,161:	222—133	2,460,255:	260— 19
2,459,838:	99—137	2,459,916:	260—79.5	2,460,008:	241— 57	2,460,109:	332— 52	2,460,166:	116—164		
2,459,839:	214—83.3	2,459,919:	88—2.4	2,460,019:	260—706	2,460,110:	285— 7	2,460,169:	35— 26		
2,459,840:	24—263	2,459,927:	18— 48	2,460,040:	260—319	2,460,119:	315— 40	2,460,175:	230— 60		

CLASSIFICATION OF DESIGNS

D 1—12:	Des. 152,497	D 3—25:	Des. 152,507	D33—19:	Des. 152,456	D45— 9:	Des. 152,480	D58—13:	Des. 152,462	D81—10:	Des. 152,483
D 3— 4:	Des. 152,464	26:	Des. 152,448	D42— 8:	Des. 152,491	10:	Des. 152,460	25:	Des. 152,470		Des. 152,484
	Des. 152,465	D 4— 3:	Des. 152,461		Des. 152,500		Des. 152,496	26:	Des. 152,479	21:	Des. 152,476
	Des. 152,466	D 5— 4:	Des. 152,512	D44—26:	Des. 152,451	19:	Des. 152,481		Des. 152,489		Des. 152,477
	Des. 152,467	D 7— 7:	Des. 152,511	D45— 1:	Des. 152,468	D46— 1:	Des. 152,463	D61— 1:	Des. 152,482	D85— 2:	Des. 152,452
	Des. 152,506	D11— 1:	Des. 152,478		Des. 152,469	D48—20:	Des. 152,492		Des. 152,504		Des. 152,474
10:	Des. 152,503	D14— 6:	Des. 152,475	4:	Des. 152,449	D49— 1:	Des. 152,499	D72— 1:	Des. 152,496		Des. 152,485
17:	Des. 152,501	D22— 5:	Des. 152,471		Des. 152,450	D57— 1:	Des. 152,487	D74— 1:	Des. 152,509		Des. 152,494
25:	Des. 152,493	D24— 1:	Des. 152,488		Des. 152,453		Des. 152,502		Des. 152,510		Des. 152,495
	Des. 152,505	D29— 1:	Des. 152,490		Des. 152,454	D58— 6:	Des. 152,473	D80— 9:	Des. 152,458	8:	Des. 152,498
	Des. 152,506	D31— 2:	Des. 152,472	9:	Des. 152,457	8:	Des. 152,455		Des. 152,450		

U. S. GOVERNMENT PRINTING OFFICE: 1949

February 1, 1949 Volume 619 Number 1

February 1, 1949 Volume 619 Number 1

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Condition of Applications Under Examination at Close of Business Jan. 7, 1949

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

Contents

	Page
Issue of February 1, 1949	2
Patents Expiring	2
Applications Under Examination	3
Decisions of the U. S. Courts	
In re Yount	5
Notices	
Erratum	6
Adjudicated Patents	6
Rule 72	6
Photostat Copies	6
Register of Patents Available for Licensing or Sale	7
Trade-Marks	
Published (265 Applications)	23
Registrations Granted	52
Registrations Renewed	65
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	67
Registrations—New Certificates	68
Registrations Republished (295 Registrations)	68
Plant Patents	103
Patents Granted	104
Designs	237

February 1, 1949

Trade-Marks	47—No.	441,942 to No.	441,988, inclusive
T. M. (Act of 1946)	259—No.	506,128 to No.	506,386, inclusive
T. M. Renewals	39		
Plant Patents	2—No.	821 to No.	822, inclusive
Patents	531—No.	2,460,266 to No.	2,460,796, inclusive
Designs	67—No.	152,513 to No.	152,579, inclusive
Total	945		

Patents expiring: Patent Numbers 1,843,103 to 1,843,908, inclusive, issued February 2, 1932, expire February 2, 1949

Condition of Applications Under Examination at Close of Business Jan. 7, 1949

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	7-26-47	6-3-47	2848
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	3-26-47	12-18-46	2889
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	4-19-48	4-3-48	1199
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	2-14-47	4-15-47	4165
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	10-15-47	1-13-47	1632
6. SURLE, H., Carbon Chemistry (part)	2-17-48	11-20-47	1879
7. HANLIN, GEORGE, Optics; Photographic Apparatus	4-8-48	12-26-47	1632
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	4-30-47	1-17-47	4441
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-1-47	3-25-47	2444
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Peizo-electric Crystals.	4-2-48	3-17-48	1542
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	10-11-47	11-27-46	2009
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	3-26-48	11-1-46	2189
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-1-47	2-1-47	2394
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	3-1-48	12-30-47	1344
15. HENKIN, B. Plastics; Plastic Block and Earthenware Apparatus; Glass	12-3-47	6-19-47	1957
16. LOVEWELL, N. N., Television, Telephony	4-13-48	8-28-47	1620
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-1-47	12-10-46	2146
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	11-4-47	12-19-46	2196
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1832
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	8-11-47	4-8-47	2028
21. MADER, R. C., Textiles	1-21-48	11-21-47	1253
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	1-23-48	3-11-47	1710
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	1-8-47	1159
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	12-4-47	12-4-47	2852
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-12-48	6-3-47	1755
26. YOUNG, R. R., Electricity—Generation, Motive Power; Transmission to Vehicles; Elevators	11-3-47	4-24-47	1182
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	8-13-47	2-17-47	3302
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	4-2-48	12-24-47	1009
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	5-1-47	5-5-47	3202
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	4-7-48	4-6-48	1020
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-4-48	5-3-48	2101
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-4-47	11-5-46	2199
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	4-30-47	2-14-47	3722
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	10-31-47	2-25-47	1400
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	9-5-47	12-31-46	3456
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	2-21-47	1-8-47	2026
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-21-48	8-7-47	1366
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-14-48	10-20-47	1582
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	1-2-48	11-14-46	3085
40. DRUMMOND, E. J., Receptacles (part); Packages	2-2-48	3-4-47	2201
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	4-1-48	1-10-47	2252
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	5-15-48	4-9-48	1108
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	4-13-48	2-9-48	1204
44. HARVEY, L. P., Refrigeration	1-2-47	1-14-47	1014
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-22-47	2-21-47	2556
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	10-11-47	2-7-47	1825

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

DECISIONS IN PATENT AND TRADE-MARK CASES

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,826. Date of oldest new application, January 2, 1947; date of oldest amended application, April 18, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-8-48	10-6-47	2183
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	4-19-48	8-2-47	1453
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	8-11-47	2-25-47	2289
50. LEVIN, SAMUEL, Synthetic Resins	4-27-48	1-10-48	2129
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-16-48	1-7-48	1616
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	12-10-47	2-8-47	3889
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	9-12-47	12-5-46	2481
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-9-48	8-25-47	1643
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	2-6-48	11-4-47	1821
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making Liquid Separation or Purification	10-24-47	10-21-47	1787
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	7-11-47	2-7-47	3531
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	1-3-47	5-2-47	1948
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	3-20-47	3-5-47	1582
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-3-48	11-29-47	1242
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	9-30-46	3789
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	2-26-48	6-6-47	1610
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-2-48	9-23-47	1943
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous	6-16-48	6-19-48	1638
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-10-48	10-6-47	2334
66. LISANN, I., Geometrical Instruments	4-8-47	4-18-46	2039
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	2-19-48	8-8-47	1995
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	5-19-48	12-16-47	1494
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-4-47	2176
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	4-8-47	3-15-47	1046
DESIGNS: BREHM, G. L.	4-4-47	4-16-48	7240

Total number of trade-mark applications awaiting action (including renewals and republications), 36,758. Date of oldest new application, Oct. 20, 1947; date of oldest amended application, Apr. 17, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-20-48	6-5-48	3081
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	11-3-47	6-10-48	6083
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-20-47	7-14-48	5318
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	11-10-47	5-14-48	4700
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-24-47	7-7-48	3773
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-28-48	5-7-48	3443
7. KEYS, O. M., Classes 16, 19, 55	11-20-47	4-17-48	2331
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-13-48	11-26-48	174
	1-31-48	11-26-48	7855

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE YOUNT

No. 5504. Decided December 7, 1948

[— F.2d —; — USPQ —]

1. PATENTABILITY—INVENTION—CHANGE IN SIZE.
Mere size is not ordinarily a matter of invention.

2. SAME—SAME—SAME.
Where there is nothing in the appealed claims specifying a large bag, and where appellant by his own specification teaches that small bags are the equivalent of large bags, *Held* that he is not in a favorable position to argue for invention in one as distinguished from the other.

3. SAME—SAME—COMMERCIAL SUCCESS.
Where an appellant contends that the device defined by his claims solves a problem long existent in the art, with wide commercial success indicating its supposed merit as an invention, and the record remains silent as to the factual data required to support such a contention, *Held* the court will not consider or rely upon such contention or statement.

4. SAME—SAME—BAG CONSTRUCTION.
Certain claims to a multi-walled gusset type bag *Held* non-inventive over the disclosures of the prior art.

APPEAL from the Patent Office. Serial No. 497,157.

AFFIRMED.

Huebner, Maltby & Beehler (*Vernon D. Beehler* and *Herbert A. Huebner* of counsel) for Yount.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JOHNSON, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming that of the Primary Examiner rejecting all the claims (Nos. 22 to 25, inclusive) of appellant's application for a patent for an alleged invention for paper bag construction.

The claims read as follows:

22. A multi-walled gusset type bag comprising nested tubes united together by a closing seam at the bottom and formed with a gusset at each side, the front and back walls each consisting of a plurality of seamless sheets arranged in horisontally offset relationship forming vertically extending steps and the sheets of such wall being folded along one side to form one of the side gussets with a marginal stepped extension, said extension being folded along the complementary edge of the opposite wall and interfitting with the complementary steps of said opposite wall, the overlapping contiguous steps being adhered together to form a seam all of which is located in the corner region of the front and back wall immediately adjacent the corner fold and such seams being diagonally opposed.

23. In a bag construction, a structure comprising nested tubes formed with a gusset at each side, the front and back walls being flat and seamless except at diagonally opposite corners, such front and back walls each consisting of a plurality of seamless sheets arranged in laterally offset relationship forming longitudinally extending steps and the sheets of such wall being folded to form one of the side gussets with a marginal stepped extension, said extension being folded along the complementary edge of the opposite wall and interfitting with the complementary steps of said opposite wall, the overlapping contiguous steps being adhered together to form a seam one such seam being located in the corner region of the front wall and the other such seam being located in the corner region of the back wall immediately adjacent the corner folds, and such seams being at diagonally opposed corners.

24. In a bag construction, a structure comprising a tube formed with a gusset at each side, the front and back walls being flat and seamless except at diagonally opposite corners, such front and back walls each consisting of a seamless sheet folded at one edge portion forming one of the side gussets with a marginal extension, said extension being folded along the complementary edge of the opposite wall and having a surface in contact with the surface of such wall sheet and adhered thereto forming a seam one such seam being located in the corner region of the front wall and the other such seam being located in the corner region of the back wall immediately adjacent the corner folds, and such seams being diagonally opposed.

25. A multi-walled paper bag comprising nested tubes each formed of two sheets joined by longitudinal seams each seam formed by creasing and overlapping the marginal edge portion of one sheet over the adjacent uncreased edge portion of a second sheet corresponding in stratum position to the first sheet, such longitudinal seams in each layer being offset laterally from the seams in the next layer and the adjacent seams forming a series of interfitting steps, the total thickness of such adjacent stepped seams only one layer greater than the total thickness of the wall, and the two series of interfitting steps being located at opposite creased corners of the tubes.

The references relied upon are: Hartmann, 1,549,832, August 18, 1925; Abramson, 2,316,385, April 13, 1943.

The alleged invention may be well understood from a reading of the claims.

Appellant's application discloses a method of making a paper bag; however, the claims here involved relate only to the structure of a bag.

The Hartmann patent, *supra*, shows a bag constructed of two sheets of paper having marginal portions along the edges overlapping and secured together to form seams extending from the top to the bottom of the bag and located on opposite sides of the bag adjacent its edges. The construction of the Hartmann bag leads to the same manufacturing advantages as claimed by appellant.

The Abramson patent, *supra*, shows the practice of folding the bag at the edges along three lines to designate portions of the bag wall that are referred to as gussets. It also shows a bag made of several plies of sheet stock with the seams in the plies formed and offset from each other as claimed by appellant.

The use of several plies of paper, the offset positions of the seams, and the folds designating the gussets at the edge of Abramson's bag can be applied to Hartmann's bag in the same way they are applied to Abramson's bag. Such a modification of Hartmann's bag in view of Abramson's disclosure does not involve invention.

Vol. 619 • No. 1 Tuesday, February 1, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Appellant contends that the paper bags are of extremely large size. However, there is nothing in any of the appealed claims specifying a large bag, the court "a comprehensive picture of the paper bag industry reflecting the problems and limitations confronting inventors in that field." However, this

Appellant contends that the paper bags are of extremely large size. However, there is nothing in any of the appealed claims specifying a large bag, and appellant's specification states, "the invention is also applicable to the fabrication of relatively smaller bags."

[1] It was held in the case of *In re Kirke*, 17 CCPA (Patents) 1121, 40 F.2d 765, 5 USPQ 539, 398 O. G. 358, that mere size is not ordinarily a matter of invention. [2] Where appellant by his own specification teaches that small bags are the equivalent of large bags, he is not in a favorable position to argue for any invention in one as distinguished from the other. *In re Ayres*, 28 CCPA (Patents) 1118, 83 F.2d 297, 29 USPQ 424, 471 O. G. 247; *In re Withington*, 26 CCPA (Patents) 1290, 104 F.2d 192, 41 USPQ 742, 508 O. G. 296.

[3] Appellant also contends that he has given the court "a comprehensive picture of the paper bag industry reflecting the problems and limitations confronting inventors in that field." However, this court has held that where an appellant contends that the device defined by his claims solves a problem long existent in the art, with wide commercial success indicating its supposed merit as an invention, and the record remains silent as to the factual data required to support such a contention, the court will not consider or rely on such contention or statement. *In re Casey*, 35 CCPA (Patents) 869, 165 F.2d 1019, 76 USPQ 463, 609 O. G. 252.

[4] We agree with the finding of the Board that the cited patents of Hartmann, supra, and Abramson, supra, disclose all the features of construction of the bag defined in the claims.

The decision of the Board of Appeals is affirmed.
AFFIRMED.

NOTICES

Erratum

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 70,024, registered July 21, 1908, Class 23, by The Oster Manufacturing Company, Cleveland, Ohio, appearing in the OFFICIAL GAZETTE of September 28, 1948, page 891, was inadvertent and is vacated.

Adjudicated Patents

(D. C. Tex.) Fletcher patent, No. 1,856,627, for cutter for earth boring tools. *Held* valid and infringed. *Hughes Tool Co. v. Robertson Rock Bit Co.*, 80 F. Supp. 809, 80 USPQ —.

(D. C. Tex.) Scott & Garfield patent, No. 1,983,316, for a three-cone bit, *Held* valid and infringed. *Id.*

(D. C. Tex.) Scott patent, No. 2,011,084, for a mounting for drill cutters, *Held* valid and infringed. *Id.*

(D. C. Tex.) Garfield & Scott patent, No. 2,030,442, for a roller bearing bit, *Held* valid and infringed. *Id.*

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Photostat Copies

In ordering photostat copies of United States and foreign patents, when only the number of the patent is given, the whole patent, comprising specification and drawing, will be furnished, unless the order specifically states that the "specification only" or "drawing only" is required. Care should be taken in making out orders for foreign patents to give the year of the patent, as in old French and British patents the same number may appear in different years.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Owens-Corning Fiberglas Corporation, Toledo 1, Ohio, has placed on the Register of Patents the following 11 patents in List A and 3 patents in List B, supplementing former patents which appeared in the OFFICIAL GAZETTE of Oct. 1, 1946, and Apr. 8, 1947.

List A

Patents Available for Licensing on Reasonable Terms

Pat. 2,418,873. APPARATUS FOR ATTENUATING THERMOPLASTIC MATERIALS. Patented Apr. 15, 1947. Equipment for producing crimped fibrous glass in which streams of molten glass are attenuated into fibers by intermeshing gear-shaped rotors and the fibers leaving the rotors are engaged by blasts from blowers directed along the fibers. Group 35—59. Reg. No. 18,142.

Pat. 2,428,302. COLORED GLASS FIBER PRODUCT. Patented Sept. 30, 1947. A glass fiber textile colored by having its fibers coated with the reaction product of formaldehyde with gelatin and a direct formaldehyde setting dye. Groups 22—99; 32—29. Reg. No. 18,143.

Pat. 2,428,591. INSULATING FABRIC. Patented Oct. 7, 1947. An acoustical blanket having as a base a mat of haphazardly arranged fine glass fibers, the base having adhered thereto a layer of fine fibers arranged to form a nap or pile. Groups 22—99; 32—29—74. Reg. No. 18,144.

Pat. 2,428,653. APPARATUS FOR MAKING TUBULAR FIBROUS PRODUCTS. Patented Oct. 7, 1947. A machine for manufacturing tubular fibrous products such as pipe insulating sections by rolling and heating a mass of fibrous material wrapped on a mandrel. Group 35—59. Reg. No. 18,145.

Pat. 2,431,205. APPARATUS FOR MANUFACTURING FIBROUS GLASS. Patented Nov. 18, 1947. A rotary glass-melting unit that melts and collects molten glass therein and discharges the molten glass and converts it to fibers by centrifugal force. Group 35—59. Reg. No. 18,146.

Pat. 2,433,271. METHOD OF FORMING PARALLEL GLASS FIBER FILTER UNITS. Patented Dec. 23, 1947. Making filter units for liquids in which a multiplicity of glass fibers are arranged in parallel side-by-side relation and extend in the direction of the flow of the filtrate. Groups 22—99; 32—29. Reg. No. 18,147.

Pat. 2,433,292. COLORED FIBROUS GLASS AND METHOD OF MAKING SAME. Patented Dec. 23, 1947. Colored glass fiber products in which a coloring agent is incorporated in a film of colloidal inorganic material on the fiber surfaces. Groups 22—99; 32—29. Reg. No. 18,148.

Pat. 2,433,304. TRAVERSING MECHANISM. Patented Dec. 23, 1947. An improvement in traversing means for guiding a strand back and forth along a spool as it is wound thereon. Group 35—52. Reg. No. 18,149.

Pat. 2,446,119. GLASS FIBER REINFORCED PLASTICS. Patented July 27, 1948. Treating glass fibers to increase the adhesion between the fibers and coating materials (such as synthetic resins) by heating a dextrinized starch on the fiber surfaces to fix the starch to the fibers so that it forms an intermediate bond between the fibers and subsequently applied coating materials. Groups 22—99; 28—83; 32—29. Reg. No. 18,150.

Pat. 2,448,499. METHOD OF PRODUCING STRANDS OF INTERTWISTED GLASS FIBERS. Patented Aug. 31, 1948. Making glass fibers and intertwisting them into strands in a single operation by collecting the fibers as they are attenuated and winding the strand thus formed onto a support held against rotation while the strand is revolved around the support. Groups 22—99; 35—59. Reg. No. 18,151.

Pat. 2,450,363. METHOD AND APPARATUS FOR MAKING FINE GLASS FIBERS. Patented Sept. 28, 1948. Making glass fibers by engaging a stream of molten glass with an attenuating blast and then engaging the filament thus formed with a second blast having a temperature sufficient to soften the filament and a velocity sufficient to attenuate the softened filament into fine fibers. Groups 22—99; 32—29; 35—59. Reg. No. 18,152.

List B

Patents Available for Royalty-Free Licensing Upon Payment of a $5.00 Application Fee for Each Patent

Pat. 2,428,325. REINFORCED PLYWOOD. Patented Sept. 30, 1947. Reinforced plywood in which at least one layer of glass fiber strands is bonded between the wood plies. Groups 24—32; 32—29—74. Reg. No. 18,153.

Pat. 2,428,654. REINFORCED PLASTICS. Patented Oct. 7, 1947. A plastic article containing a glass fabric as a reinforcement and other glass fibers distributed throughout the plastic to reinforce the article in directions transverse to the plane of the fabric. Groups 22—99; 28—83; 32—29. Reg. No. 18,154.

Pat. 2,441,097. PLASTICS MOLDING APPARATUS. Patented May 4, 1948. Apparatus for molding plastics in which the mold that receives the material to be molded is covered with a flexible blanket pressed by atmospheric pressure against the material in the mold, the blanket being provided with means at its edges responsive to the evacuation of the mold to seal automatically the edge of the blanket to the periphery of the mold. Groups 32—29; 35—59; 39—81. Reg. No. 18,155.

Pat. 2,449,177. TILT-ACTUATED SWITCH. Patented Sept. 14, 1948. An automatic pilot for installation on the instrument panel of an airplane to control power-actuated flying control surfaces such as the trim tabs of the ailerons and elevators of the plane. A gravity-controlled float device operates in a body of liquid such as mercury or hydraulic-brake fluid and is associated with switch mechanisms of servo-motors for the aileron and elevator trim tabs to effect the necessary actuation of the tabs to correct any deviation of the aircraft from level flight. (Owner) Leslie K. Perry, 2718 South Redondo Blvd., Los Angeles 16, Calif. Groups 36—41; 39—11. Reg. No. 18,156.

Pat. 2,449,343. REFRIGERATION APPARATUS. Sept. 14, 1948. Evaporator unit surrounding the refrigeration vessel in a "deep freeze" type refrigerator is so constructed

tached to one end and halters for feet are connected to slots in handles at other end of stretcher. Patent 2,367,167 shows canvas folded about the two rails with its

Patents Relating to Azo Dyes

Pat. 1,906,754. Trisazo Dye and Process of Preparing the Same. May 2, 1933. Process of preparing a trisazo

ing, and coupling to a 2-amino-5-naphthol-7-sulfonic acid compound.

Pat. 1,914,549. Azo Dyestuffs and Their Production. June 20, 1933. A disazo of the formula:

Pat. 2,449,343. REFRIGERATION APPARATUS. Sept. 14, 1948. Evaporator unit surrounding the refrigeration vessel in a "deep freeze" type refrigerator is so constructed that the thin wall of the deep vessel forms the inner walls of a continuous spiral evaporator coil extending from top to bottom of vessel. The horizontal and outer walls of the coil are formed by continuously arranging a thin sheet metal member, which is L-shaped in cross section, spirally around the outer surface of the vessel wall. Thereafter, a band of steel is spirally wound tightly around the L-shaped member and adjacent convolutions of band welded together at intervals. (Owner) Gertrude S. Torbensen, 1932 East 116th St., Cleveland 6, Ohio. Group 35—84. Reg. No. 18,157.

Pat. 2,423,711. BALL-BEARING FOOT FOR FURNITURE AND THE LIKE. Patented July 8, 1947. A series of ball bearings held in a retainer contact a larger ball enclosed in a housing. By attaching these feet to the legs of furniture, appliances, trunks, etc., to replace conventional caster wheels, articles may be readily wheeled or rolled on the floor without requiring any swiveling action. (Owner) Roy R. Knox, 1407 Prytania St., New Orleans 13, La. Groups 33—59; 35—66. Reg. No. 18,158.

Pat. 2,448,168. WRENCH KIT. Patented Aug. 31, 1948. Wrench is capable of adaptation for use upon a wide variety of different sized screws formed with socketed heads. Several block-like tool carriers and numerous wrench bits of graduated size are provided. Two or more of the bits are slidably retained in axial openings in each carrier in retracted position with their outer ends flush with outer end of carrier. When a carrier is inserted in socket in head of wrench, a stop in the socket strikes inner end of a selected bit and projects it outwardly into position for use. One of the carriers has six of the smallest wrench bits of graduated size grouped about a longitudinal axis. The handle of wrench is hollow to provide storage space for carriers. (Owner) Roland S. Banister, 132 Buckworth Drive, Kokomo, Ind. Group 33—52. Reg. No. 18,159.

Pat. 2,446,993. DEVICE FOR FACILITATING CIRCUIT DESIGN. Patented Aug. 17, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) An electronic circuit measuring device for determining the optimum value of circuit elements at audio and radio frequencies. The construction is similar to a commercial tube tester but differs in method of operation and final results. The device contains valve sockets to accommodate any of the commercial type electronic discharge valves, together with circuit means for applying the required type and values of voltage to an electronic discharge valve. (Owner) Joseph Alter, 1429 48th St., Brooklyn, N. Y., % Sontag. Group 36—19. Reg. No. 18,160.

Pat. 2,333,062. FOLDING STRETCHER. Patented Oct. 26, 1943. Reg. No. 18,161.

Pat. 2,367,167. STRETCHER. Patented Jan. 9, 1945. Reg. No. 18,162.

Pat. 2,449,767. STRETCHER WITH SKELETAL TRACTION FACILITIES. Patented Sept. 21, 1948. Reg. No. 18,163.

These three patents relate to collapsible canvas stretchers having hinged or pivoted two-section side rails with traction facilities to prevent injury to patient in carrying. Spreader bars and collapsible legs are provided for converting into a cot. Patent 2,333,062 shows spaced loops along sides to support straps for holding injured members in position. A strap to pass under patient's arms is attached to one end and halters for feet are connected to slots in handles at other end of stretcher. Patent 2,367,167 shows canvas folded about the two rails with its side margins laced to flaps sewed to the canvas. Upper edges of side rails taper downwardly to facilitate rolling a patient onto stretcher. Stretcher is adjustable to a straight or angular position. Patent 2,449,767 shows spaced anchoring loops down the sides and adjacent ends of stretcher to apply straight-line traction stresses for various fractures. Legs of stretcher may be erected at one end to incline it for sliding patient thereon. Additional details are disclosed in patents. (Owner) Charles C. Carpenter, 409 South 4th St., Grand Forks, N. Dak. Group 25—32.

Pat. 2,446,713. HAND RIVETER. Patented Aug. 10, 1948. Plier-like hand tool provides powerful leverage with little effort by operator to clinch hollow rivets having flanged heads. When jaws of tool are closed, two sets of toggles between jaws force a thrust member outwardly against head of rivet and retract a stem in bore of thrust member so that enlarged ball-shaped outer end of stem will upset and clinch opposite end of rivet. The stem is longitudinally slitted inwardly through its ball end to render stem and ball radially collapsible to reduce their diameter so that ball may be projected through bore of rivet preparatory to clinching operation. A plunger is slid along stem to hold stem and ball expanded. Stem is adjustable for rivets of different length. (Owner) W. E. Melick, 50 North 11th St., Newark, Ohio. Groups 33—52; 35—79. Reg. No. 18,164.

Pat. 2,446,629. PASTRY LIFTER AND CONTAINER. Patented Aug. 10, 1948. Pastry lifter is a thin flat triangular base for slipping under a slice of cake or other pastry, with a finger hold for lifting and carrying. A box-like container of same shape and slightly larger, having a removable ventilated cover, is provided for carrying the pastry on the lifter in lunch boxes, etc. The rear wall of container has a notch to receive the finger hold which is on the lifter. (Co-owner) Harry W. Brown, 7000 Spruce Ave., Kansas City, Mo. Groups 34—41; 39—81; 40. Reg. No. 18,165.

Pat. 2,439,137. LAMINATED PLASTIC ARTICLE. Patented Apr. 6, 1948. A laminated plastic material for molded articles such as rifle barrel supports, firing mechanism handles, insulating moldings for refrigerator housings, radios, etc. Layers of resin-impregnated fibrous material have different resin content in each layer, to provide layers of varied density and heat conductivity. Layers are assembled in the successive order of their heat conductivity to provide a layer of low conductivity at one side and a layer of high conductivity at the opposite side of article. Heat-conducting metallic layers are placed between and bonded to adjacent layers of the fibrous material by heat and pressure. (Owner) Richard P. Schulze, Washington Loan and Trust Building, Washington 4, D. C. Group 39—81. Reg. No. 18,166.

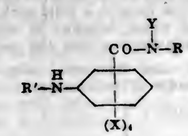
E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the OFFICIAL GAZETTE, November 2, 1948. Abstracts of the patents are being published in the Official Gazette beginning November 9, 1948. The following patents (Reg. Nos. 18,167 through 18,499), are part of Schedule 10, Groups 22; 27—71; 28.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

Patents Relating to Azo Dyes

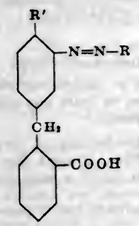
Pat. 1,906,754. Trisazo Dye and Process of Preparing the Same. May 2, 1933. Process of preparing a trisazo dye by diazotizing an aromatic amino compound of the benzene or naphthalene series having at least one group capable of forming a salt, coupling the diazo compound with an alpha-naphthylamine-beta-sulfonic acid in which the substituents are on different rings, diazotizing the resultant aminoazo compound, coupling the resultant with 2-amino-5-naphthol-7-sulfonic acid, diazotizing the resultant disazo compound and coupling with 1-amino-8-naphthol-disulfonic acid.

Pat. 1,909,960. Intermediate for Azo Dyes. May 23, 1933. Hydroxynaphthanilides of the formula:



R—aliphatic or aromatic radical, R'—3-hydroxy-2-naphthoyl, X—H, alkyl, alkoxy, or halogen, and Y—H, aromatic, or aliphatic radical.

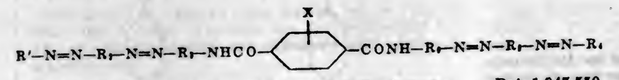
Pat. 1,910,690. Azo Dyestuffs and Process of Preparing the Same. May 23, 1933. An azo dye of the formula:



R—radical of any coupling component, and R'—H, CH_3, SO_3H, halogen, or alkoxy.

Pat. 1,913,382. Trisazo Dyestuffs and Process of Preparing the Same. June 13, 1933. Process of preparing azo dyes by diazotizing an aryl-amine of the benzene or naphthalene series having no phenolic groups, coupling to a component of the group consisting of dialkoxy-aniline having a free para position and Cleve's acid, rediazotizing, coupling to the second member of the group or again to dialkoxy-aniline, rediazotizing and coupling to an acidyl-2-amino-8-naphthol-6-sulfonic acid compound.

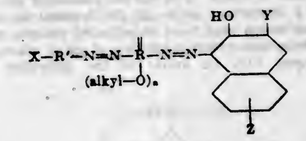
Pat. 1,913,383. Azo Dyestuff and Process of Preparing the Same. June 13, 1933. Polyazo dyes of the formula:



X—H or halogen, all R's—aryl radicals of the benzene or naphthalene series, R_3 and R_4 are free from auxochromic groups, and R' and R_4 may be azo chains of aryl bodies.

Pat. 1,913,384. Trisazo Dyestuff and Process of Preparing the Same. June 13, 1933. Process of preparing azo dyes by diazotizing an aryl-amine of the benzene or naphthalene series, coupling to a component of the group consisting of dialkoxy-aniline having a free para position and Cleve's acid, rediazotising, coupling to the second member of the group or again to dialkoxy-aniline, rediazotising, and coupling to a 2-amino-5-naphthol-7-sulfonic acid compound.

Pat. 1,914,549. Azo Dyestuffs and Their Production. June 20, 1933. A disazo of the formula:



R' and R''—a phenyl or naphthyl radical free from COOH and SO_3H, X—R, —OR, $—CH_2NR_2$, $—OC_2H_4NR_2$, or H, R—alkyl, Y—H, —$CONR_2$, —CONHR, —CONR-aryl, or —CON— in which the two valences are part of a heterocyclic ring, Z—H or NH_2, n—0, 1, or 2.

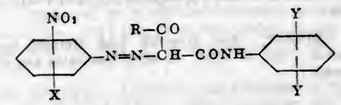
Pat. 1,918,997. Purification of Arylamines. July 18, 1933. Purification of volatile aryl amines having a high solubility in hot water by passing a condensable vapor through the molten amine above 150° C. Example: m-phenylenediamine + superheated steam.

Pat. 1,934,216. Sulphonation of Beta-Naphthol. Nov. 7, 1933. 2-Naphthol-1-sulfonic acid is made by passing SO_3 gas into B-naphthol in an inert organic gas.

Pat. 1,938,182. Trisazo Dyestuff. Dec. 5, 1933. Trisazo dyes represented by: arylamine→1-amino-2-naphthol-ether-sulfonic acid→sulfonated peri-amino-naphthol→an acetoacetarylide, aryl-alkyl-pyrazolone, or alkyl ketole.

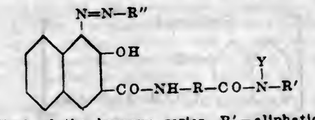
Pat. 1,947,027. Azo Dyes. Feb. 13, 1934. Disazo dyes for coloring hydrocarbons are made by diazotizing an amino-aryl-carbamide or sulfonamide containing no free acid groups, coupling with a phenyl or naphthyl amine, diazotising, and coupling with a naphthol having no free acid groups. Example: p-amino-dibutylbenzamide→amino-hydroquinone dimethyl ether→beta-naphthol.

Pat. 1,947,028. Azo Dyes and Methods for Their Preparation. Feb. 13, 1934. Insoluble azo dyes of the formula:



R—alkyl, phenyl, or benzyl, X—halogen, alkoxy, or benzyloxy, and Y—alkoxy, benzyloxy, or benzyl.

Pat. 1,947,550. Azo Dyes. Feb. 20, 1934. An azo dye, free from COOH and SO_3H groups, of the formula:



R—radical of the benzene series, R'—aliphatic or aromatic radical, R''—aromatic radical, and Y—H or aliphatic or aromatic radical.

Pat. 1,962,226. Azo Dyes, and Method for Their Preparation. June 12, 1934. An azo dye is made by diazotis-

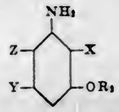
Pat. 1,976,644. Azo Dye and Method for Its Preparation. Oct. 9, 1934. A polyazo dye of the formula:

Pat. 1,994,845. Preparation of Amines of the Benzene Series. Mar. 19, 1935. Manufacture of amines of the ben-

Pat. 2,023,591. Azo Dyes and Methods for Their Preparation. Dec. 10, 1935. Insoluble azo dyes of the for-

Pat. 1,963,226. Azo Dyes, and Method for Their Preparation. June 12, 1934. An azo dye is made by diazotising an o-amino-benzenesulfonic acid and coupling to a phenyl-alkyl-pyrosolone which may be substituted on the phenyl nucleus by halogen, alkyl, or alkoxy groups.

Pat. 1,963,133. Azo Dye and Process of Preparing Same. June 19, 1934. Process for producing azo dyes by coupling a diazotised amine of the benzene or naphthalene series which may have subetituted thereon members selected from the groups consisting of alkyl, alkoxy, nitro, and halogen, with an amine of the following general formula:



in which R_2 is an alkyl group, and X, Y and Z are hydrogen, halogen, alkyl or alkoxy groups.

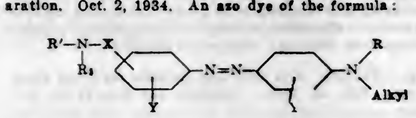
Pat. 1,963,597. Nitration of N-Acetyl-P-Toluidine. June 19, 1934. m-Nitro-p-toluidine is made by treating N-acetyl-p-toluidine with HNO_3 in H_2SO_4 of less strength than 60° Bé.

Pat. 1,963,598. Manufacture of 5-Nitro-2-Amino-Anisole. June 19, 1934. Preparation of 5-nitro-2-amino-anisole by reacting upon N-acetyl-o-anisidine with nitric acid in a medium of sulfuric acid of less strength than 60° Bé.

Pat. 1,969,189. Sulphonation of Beta-Naphthyl-Amine. Aug. 7, 1934. 2-Naphthylamine-1-sulfonic acid is made by passing not over an equimolemlor proportion of sulfur trioxide into β-naphthylamine in a dry inert organic solvent.

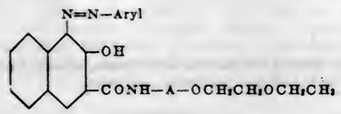
Pat. 1,972,873. Azo Dye and Method for Its Preparation. Sept. 11, 1934. An insoluble azo dye represented by: an amino-bensene→m-4-xylidide of 3-hydroxy-2-naphthoic acid.

Pat. 1,975,160. Azo Dyes and Method for Their Preparation. Oct. 2, 1934. An azo dye of the formula:



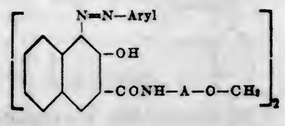
R, R', and R_2 = H or alkyl, X = CO or SO_2, and Y = H, alkyl, or alkoxy.

Pat. 1,975,830. Azo Dyestuff and Method for Its Preparation. Oct. 9, 1934. A water-insoluble azo dye of the formula:



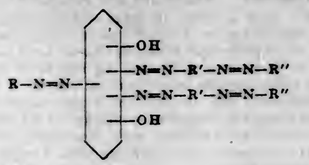
A = a benzene nucleus.

Pat. 1,976,010. Azo Dye and Method for Its Preparation. Oct. 9, 1934. Water-insoluble azo dyes of the formula:



A = a benzene nucleus.

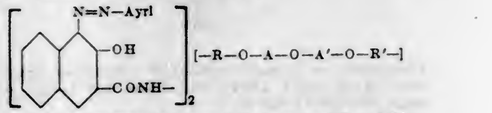
Pat. 1,976,644. Azo Dye and Method for Its Preparation. Oct. 9, 1934. A polyazo dye of the formula:



R, R', and R'' = aryl groups.

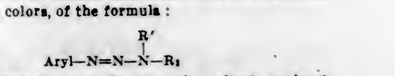
Pat. 1,977,266. Manufacture of Amino-Azobensenes. Oct. 16, 1934. Production of amino-azobenzenes and salts thereof by the reaction of an amine-hydrochloride of the benzene series in the form of a solid with sodium nitrite in the presence of water, followed by conversion of the resultant diazo-aminobenzene into the amino-azobenzene.

Pat. 1,978,783. Azo Dyestuffs. Oct. 30, 1934. A water-insoluble azo dye of the formula:



A and A' = alkylene of at least 2 C atoms, and R and R' = a benzene nucleus.

Pat. 1,979,327. Water-Soluble Azo Dye Intermediate. Nov. 6, 1934. Water-soluble diazoimino compounds, useful for making ice colors, of the formula:



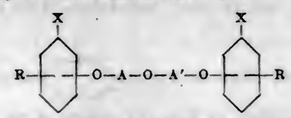
R' and R_2 = aliphatic or hydroaromatic radical, at least one of which contains at least one OH and at least one COOH and/or SO_3H group.

Pat. 1,981,311. Production of Organic Nitro Compounds. Nov. 20, 1934. Process for the production of nitrochlorobensenes in which a mixture of p-nitro-chloro- and O-nitro-chlorobensene are treated with a nitrating agent to partially dinitrate the O-derivative.

Pat. 1,982,661. Fluorinated Arylamides. Dec. 4, 1934 Amides of fluorinated anilines and naphthylamines with 2,3-hydroxynaphthoic acid.

Pat. 1,985,601. Arylamine and Method for Its Production. Dec. 25, 1934. Process for making organic compounds by reacting the halide of a hydro-aromatic-carboxylic acid having the following general formula: X–COZ in which X represents a hydroaromatic nucleus, and Z represents a halogen atom, with a member selected from the group consisting of nitro-aryl-amines, aryl-aso-arylene-amines, and mono-sulfaminic acids of arylene diamines, and forming the amine from the resulting product.

Pat. 1,987,669. Naphthoic Acid Derivative. Jan. 15, 1935. Naphthanilide ethers of the formula:



A and A' = alkylene, R = 3-hydroxy-2-naphthamido, and X = H, alkyl, or halogen.

Pat. 1,991,505. Disazo Dye and Method for Its Preparation. Feb. 19, 1935. Disazo dyes of the formula: An arylamine→a 1-amino-2-naphthol-alkyl-ether-sulfonic acid→an aminobenzoyl-1-amino-8-naphthol-sulfonic acid.

Pat. 1,992,185. Azo Dyes. Feb. 26, 1935. Relatively hard shiny flakes of an azo dye are formed by slurrying the relatively pure dye in water with triethanolamine and drying.

Pat. 1,994,845. Preparation of Amines of the Benzene Series. Mar. 19, 1935. Manufacture of amines of the benzene series by heating a halogenated benzene with aqueous NH_3 in a closed vessel in the presence of one or more inorganic oxidants.

Pat. 1,996,488. Hydraso Compounds and Inversion Thereof. Apr. 2, 1935. Benzidines are made by treating O-nitrobensenes with Zn and alkali metal hydroxide, treating the resulting azo with soap, Zn, and hydroxide to give the hydraso, and treating with HCl.

Pat. 1,998,507. Azo Dye and Method for Its Preparation. Apr. 23, 1935. Azo dyes are produced by coupling a diazotized amino-benzamide to a 2-(benzamido-benzamido)-5-naphthol-7-sulfonic acid.

Pat. 1,998,794. Process for Producing P-Nitro-O-Anisidine. Apr. 23, 1935. In a process for preparing 4-nitro-2-amino-anisole the steps which comprise dissolving o-anisidine in sulfuric acid, reacting upon the solution with a nitrating agent containing nitric acid under mononitrating conditions, diluting the reaction mass, reacting upon the latter with an aryl sulfonic acid compound, and recovering the aryl sulfonate of 4-nitro-2-amino-anisole.

Pat. 1,998,795. Process for Recovering 4-Nitro-2-Amino-Toluene From Its Nitration Mixture. Apr. 23, 1935. 4-Nitro-2-aminotoluene is made by nitrating o-toluidine in concentrated H_2SO_4, precipitating it with an aryl sulfonic acid, and hydrolyzing the aryl sulfonate.

Pat. 1,999,955. Production of Resorcinol and Mixtures Thereof With Phenol. Apr. 30, 1935. In the preparation of resorcinol, the steps of monosulfonating benzene with SO_3 in an inert solvent, removing the solvent, and further reacting with SO_3 to form the m-disulfonic acid.

Pat. 2,001,526. Azo Dyes and Method for Their Preparation. May 14, 1935. Insoluble azo dyes are made by coupling tetrazotised

$$H_2N—A—NHCO—X—CONH—A—NH_2$$

A = m-benzene or m-naphtholene radical, X = nucleus of bensene, naphthalene, diphenyl or diphenyl ether series, with an ice color coupling component.

Pat. 2,007,327. Process for the Preparation of Phenol. July 9, 1935. Manufacture of phenol comprising simultaneously adding solutions of benzene in liquid SO_3 and SO_3 in SO_3 to a large amount of liquid SO_3 to obtain benzene monosulfonate.

Pat. 2,008,750. Water Soluble Diazoimino Compounds. July 23, 1935. Diazoimino compounds of the formula:

$$Aryl—N=N—R$$

R = radical of a pyrrolidine compound having a solubilizing group in B-position, e. g., pyrrolidine-B-carboxylic acid.

Pat. 2,013,723. Azo Dyes and Methods for Their Preparation. Sept. 10, 1935. Insoluble azo dyes represented by: Aniline→o-alkyl- or o-alkoxy-anilides of 2,3-hydroxy-naphthoic acid.

Pat. 2,015,743. Azo Dye and Method for Its Preparation. Oct. 1, 1935. Insoluble azo dyes represented by: An amino-bensotrifluoride→an arylamide of 2,3-hydroxy-naphthoic acid.

Pat. 2,018,234. Azo Dye and Method for Its Preparation. Oct. 22, 1935. Azo dyes of the formula:

$$R—N=N—R'—N=N—R''—N=N—R'''$$

R and R''' = aromatic nuclei, R' = nucleus of a dihydroxy-benzene, and R'' = a benzene nucleus.

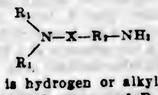
Pat. 2,023,590. Azo Dye and Method for Its Preparation. Dec. 10, 1935. Azo dyes represented by: arylamine→fluorinated arylamide of 2,3-hydroxynaphthoic acid.

Pat. 2,023,591. Azo Dyes and Methods for Their Preparation. Dec. 10, 1935. Insoluble azo dyes of the formula:

$$R—N=N—A$$

A = radical of an ice color coupling component, and R = radical of a fluorinated arylamine.

Pat. 2,024,368. Monoazo Dyes and Their Production. Dec. 17, 1935. Production of water-insoluble monoazo dyes which comprises diazotising an amine of the formula:



where R_1 and R_2 is hydrogen or alkyl groups when X is CO, and R_1 is an alkyl group and R_2 is hydrogen or an alkyl group when X is SO_2 and R_2 represents a phenylene radical, and coupling it with an amine of the bensene or naphthalene series having a free para position to the amino group.

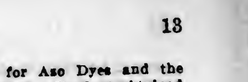
Pat. 2,025,094. Azo Dye and Method for Its Preparation. Dec. 24, 1935. Water-insoluble azo dyes represented by: An arylamine→a 3,4,5-trialkoxyanilide of 2,3-hydroxynaphthoic acid.

Pat. 2,025,095. Water-Soluble Diazoimino Compounds and Their Production. Dec. 24, 1935. The diazoimino compound made by coupling diazotized 4-chloro-2-amino-anisole through the azo group to the nitrogen of iso-indoline-mono- or di-sulfonic acid.

Pat. 2,025,116. Arylamide and Method for Its Production. Dec. 24, 1935. Water-insoluble compounds of the formula:

$$HO—aryl—CONH—aryl—S—alkyl$$

Pat. 2,025,117. Azo Dyes and Methods for Their Preparation. Dec. 24, 1935. Azo dyes of the formula:



R = aryl, and A = an aryl radical having at least one alkyl-mercapto group.

Pat. 2,027,031. Oxazoline Compound. Jan. 7, 1936. 2-Arylimino-dihydro-oxazoles wherein the aryl group is of the benzene series, e. g., 2-p-ethoxyphenyl-dihydro-oxazole.

Pat. 2,027,206. Azo Dye and Method for Its Preparation. Jan. 7, 1936. Production of azo dyes by coupling 2 equivalents of a monoacyldiamino or nitro-amino aromatic compound to a dihydroxybenzene, converting the acylamino or nitro groups to free amino groups, tetrazotizing and coupling to 2 equivalents of an aromatic coupler.

Pat. 2,030,970. Azo Dyes and Methods for Their Production. Feb. 18, 1936. Water-insoluble azo dyes obtained by coupling an ice color coupling component with tetrazotized

$$H_2N—A—NH—CO—X—CO—NH—A—NH_2$$

A and X = arylene free from water-solubilising groups.

Pat. 2,030,991. Azo Dyes and Methods for Their Production. Feb. 18, 1936. Production of difficultly soluble azo dyes by coupling a diazotized aminoazo compound of the benzene series free from solubilizing groups with an N-benzoyl derivative of 2-amino-5-naphthol-7-sulfonic acid free from further solubilising groups.

Pat. 2,031,634. Water-Soluble Diazoining Compounds. Feb. 25, 1936. A diazotized arylamine stabilized against reaction in alkaline medium with a coupling component by coupling the diazotized amine to the N of an ac-tetrahydro (quinoline or quinaldine) sulfonic acid.

Pat. 2,031,651. Azo Dyes and Methods for Their Preparation. Feb. 25, 1936. Coupling a diazotized arylamine to a trifluormethyl primary arylamide of 2,3-hydroxy-naphthoic acid.

Pat. 2,117,859. New Azo Dye and Color Lakes and

Pat. 2,148,252. Intermediate for Azo Dyes and the

Pat. 2,032,093. Monoazo Dyes and Methods for Their Preparation. Feb. 25, 1936. A cellulose ester dyed with Z—N=N—B—X—NYW, Z=residue of developing agent, B=benzene free from free acid groups, X=CO or SO_2 and Y and W=H or alkyl.

Pat. 2,035,518. Process for Coloring Materials. Mar. 31, 1936. Solution for developing ice color printings and dyeings comprising a hydrolysing agent for converting derivatives of diazotized aromatic amines to diazo salts, the solution being saturated with an inert salt.

Pat. 2,036,661. Separation of 1,8 and 1,5 Naphthyl-Amine-Sulphonic Acids. Apr. 7, 1936. Separation of 1,8-naphthylamine sulfonic acid from its isomers as soluble salts by acidifying in the presence of a bisulfite to precipitate the 1,8-naphthylamine sulfonic acid.

Pat. 2,039,391. Process for Partial Dialkylation of Dialkyl Aromatic Amines. May 5, 1936. Heating a dialkylnaphthylamine with HCl until evolution of alkyl halide has ceased to obtain monoalkylnaphthylamine.

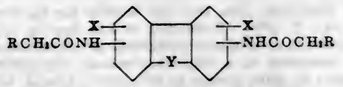
Pat. 2,040,473. Azo Dyestuffs and Process of Preparing the Same. May 12, 1936. Azo dyes of the formula: XO—CO—NH—arylene—N=N—A, X=alkyl, aryl, aralykyl or hydroaryl, A=nucleus of ice color coupling component of the o-hydroxy-carboxylic acid arylamide series, the dye containing no COOH or SO_3H groups.

Pat. 2,048,844. Azo Dyes and Method for Their Preparation. July 28, 1936. Production of alkali-insoluble azo dyes by coupling an ice color coupling component with a diazotized aromatic amine having the following general formula: X—CONH—arylene—NH_2, X=a hydroaromatic nucleus, and arylene=an arylene nucleus.

Pat. 2,049,286. Azo Dyes and Methods for Their Preparation. July 28, 1936. Coupling diazotized picramic acid to resorcin and coupling the product to diazotized amino-salicylic acid or diazotized picramic acid.

Pat. 2,058,419. Diazoimino Compounds and Their Production. Oct. 27, 1936. Mono and di diazoimino compounds in which the imino group is attached to a heterocyclic compound having at least one water solubilizing group.

Pat. 2,059,852. Azo Dyes and Method for Their Preparation. Nov. 3, 1936. Water-insoluble azo dyes by coupling a diazotized ice color base to:



R=acyl, X=H or an N-auxochrome and Y=bivalent bridge radical.

Pat. 2,062,349. Process of Making Arylamines. Dec. 1, 1936. Production of aromatic amines from an aromatic halide and aqueous ammonia in the presence of a copper compound soluble in aqueous ammonia and in a stainless steel vessel.

Pat. 2,063,151. Process of Producing N-Aralkyl-Amino-Phenols. Dec. 8, 1936. Hydrogenation of an N-aralkylidene aminophenol to an N-aralkylaminophenol in the presence of a base metal catalyst in a liquid aromatic hydrocarbon at elevated temperature and pressure insufficient to hydrogenate the aromatic hydrocarbon.

Pat. 2,063,589. Water-Insoluble Azo Dyes and Their Production. Dec. 8, 1936. Azo dye by coupling a diazotized arylamine to a 3,5-dimethylanilide of 2,3-hydroxynaphthoic acid.

Pat. 2,063,590. Naphthoic Acid Xylidides and Their Production. Dec. 8, 1936. Product obtained by reacting 2,3-hydroxynaphthoic acid with halogenated 3,5-dialkylaniline in the presence of a dehydrating agent.

Pat. 2,064,331. Arylamides of Furoyl-Acetic Acid. Dec. 15, 1936. A furoyl-acetyl derivative of an arylamine.

Pat. 2,064,332. Ice Colors. Dec. 15, 1936. A diazotised arylamine coupled to a furoyl-acetyl-arylamide and process of dyeing therewith.

Pat. 2,065,593. Water-Soluble Diazoimino Compounds and Their Production. Dec. 29, 1936. Product obtained by coupling diazotized 3-chloro-6-methoxy-aniline to the nitrogen of ac-beta-(ethylamino)-tetrahydronaphthalene-ar-mono-sulfonic acid.

Pat. 2,078,387. Diazo Amino Compounds. Apr. 27, 1937. Diazoamino compounds of the formula:

aryl—N=N—NR_1R_2

R_1=H, alkyl, hydroxyalkyl or polyhydroxyalkyl and R_2=hydroxyalkyl or polyhydroxyalkyl.

Pat. 2,092,796. Azo Dyes and Pigments Derived Therefrom. Sept. 14, 1937. Dye obtained by coupling a diazotised aniline containing at least one halogen, NO_2, COOH or SO_3H group to acetoacetylanthranilic acid and optionally converting to an alkaline earth metal salt.

Pat. 2,097,915. Ice Color Intermediates. Nov. 2, 1937. An arylamide of 2,3-naphthoic acid in which the arylamide group is obtained from a 2,4,5-trimethyl-aniline which may be substituted in 3 and/or 6-position by halogen or methyl.

Pat. 2,098,861. Nitrogen Containing Organic Compounds. Nov. 9, 1937. Furane compound of the formula:

R—CH_2NH—R'—COOX

R=furyl or hydrofuryl, R'=1-3 C atom alkylene, and X=H or alkali metal.

Pat. 2,100,378. Azo Dyes. Nov. 30, 1937. Dye obtained by diazotising an aromatic mono or diamine which may be further substituted except by solubilising groups and coupling it to an acetoacet-nitro-arylamide containing only 1 aryl nucleus.

Pat. 2,101,870. Para-Hydroxy-Para-Ethoxy-Diphenylamine. Dec. 14, 1937. Para-hydroxy-para'-ethoxy diphenylamine and production thereof.

Pat. 2,112,764. Insoluble Azo Compounds. Mar. 29, 1938. A textile fabric dyed with the coupling product of a diazotized aniline, e. g., 4-benzo-trifluoraniline, and a non-substantive acetoacetyl anilide.

Pat. 2,115,412. Reddish Yellow Insoluble Monoazo Dyes. Apr. 26, 1938. Reddish yellow dye formed by reacting a diazotized arylamine to CH_3COCH_2CONH—aryl—NR_1R_2, aryl may be substituted by auxochrome groups, R_1=H, alkyl, aryl or aralkyl and R_2=alkyl, aryl, aralkyl or acyl incapable of coupling with diazo salts.

Pat. 2,115,413. Acyl Aryl Compounds. Apr. 26, 1938. Product obtained by heating acetoacetic ester with o-aminoacetanilide.

Pat. 2,115,852. Azo Dyes. May 3, 1938. Blue to violet tetrakisazo dyes obtained by developing on the fiber a trisazo dye obtained by coupling a diazotized 1-amino-8-naphthol-disulfonic acid which may be further substituted to an arylamine, diazotizing and coupling to an amine which may be diazotized on the fiber and coupled to a suitable coupler. Also claim process of dyeing.

Pat. 2,117,425. Azo Dyes. May 17, 1938. Process comprising diazotizing an arylamine, coupling to 2-aminobenzidine, condensing with a nitrobenzoyl chloride and reducing. Claims azo dyes formed thereby.

Pat. 2,117,426. Azo Dyes. May 17, 1938. Polyazo dyes obtained by reacting coupling components with diazotised aminobenzoylated 2-aminobenzidine.

Pat. 2,117,707. Azo Dye. May 17, 1938. Dye produced by coupling diazotized 4-nitro-2-aminophenol with resorcin in alkaline medium, and coupling the product in alkaline medium to diazotized 1-naphthylamine-5-sulfonic acid.

Pat. 2,117,859. New Azo Dye and Color Lakes and Their Production. May 17, 1938. Process of coupling diazotised 2-chlor-4-amino-toluene-5-sulfonic acid to 2-naphthol-3,6-disulfonic acid and optionally reacting with a soluble salt of an alkaline earth metal to form a lake.

Pat. 2,123,710. Purification of 3:3'-Dichlorobenzidine Mineral Acid Salts. July 12, 1938. Purification of 3,3'-dichlorbenzidine mineral acid salt by heating to 90° C. in a mineral acid solution of their concentration in which the salt is most soluble and flooding the solution with water.

Pat. 2,132,846. Water-Insoluble Monoazo Dye. Oct. 11, 1938. 4-Chloro-2-amino-anisole diazotized and coupled to the 2,3-hydroxynaphthyol derivative of 2,4,5-trimethyl-aniline, and fibers dyed therewith.

Pat. 2,135,866. Naphthazarine Intermediate-Aromatic Amine Condensation Products. Nov. 1, 1938. Condensation products of equal molecular quantities of naphthazarine intermediate and an amine of the benzene series.

Pat. 2,135,964. Azo Dyestuffs and Fiber Dyed Therewith. Nov. 8, 1938. Azo dye obtained by coupling a diazotized arylamine to an arylazo-acylamino-naphthol in which the acylamino and the arylazo groups are on one benzene ring of the naphthalene nucleus and the OH on the other ring.

Pat. 2,137,810. Direct Dyes, Process, and Product. Nov. 22, 1938. Tetrakisazo urea dye which may be prepared by impregnating cellulose with a diaminodiphenyl urea which has been tetrazotized and coupled to 2 mols of an (aminobenzoylamino) naphthol sulfonic acid, rinsing, diazotizing a reacting with a coupler.

Pat. 2,143,152. Manufacture of Aromatic Amines. Jan. 10, 1939. Reduction of an aromatic nitro compound to an amine with iron and acid in which the reduction mass is extracted with aqueous HCl in an amount insufficient to dissolve all the iron sludge, filtering, and recovering amine from the filtrate.

Pat. 2,144,219. Azo Dyes and Methods for Their Preparation. Jan. 17, 1939. Dye of the formula:

B—CONH—aryl—N=N—A

B=radical of a furane or thiophene compound free of solubilizing groups and A=radical of an ice color coupling component.

Pat. 2,144,220. Aromatic Amines and Methods for Their Preparation. Jan. 17, 1939. Compound, suitable as ice color component, of the formula:

Z—CONH—arylene—NH_2

Z=radical of furane or thiophene series.

Pat. 2,144,463. Azo Dyes and Process for Their Application. Jan. 17, 1939. Polyazo dye developed on the fiber having a plurality of amide linkages. Also claims process of applying dye to fiber.

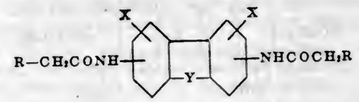
Pat. 2,145,398. Yellow Azo Pigment Composition. Jan. 31, 1939. Pigment dye composition comprising the product of joint precipitation of the products of coupling acetoacetanilide with diazotized o-nitraniline and diazotized m-nitro-p-toluidine.

Pat. 2,148,185. Dye. Feb. 21, 1939. Dye obtained by tetrazotising di(p-aminobenzoyl)-1,3-diaminobenzene which may be sulfonated in 4-position and coupling to an aminonaphthol sulfonic acid or 1-m-amino-phenyl-5-pyrazolone-3-(methyl or carboxyl).

Pat. 2,148,146. Diazo Compounds. Feb. 21, 1939. Disazo or tetrakisazo dyes containing one or two arylazo-hydroxy-benzeneaminonaphthol nuclei, and textiles dyed therewith.

Pat. 2,148,252. Intermediate for Azo Dyes and the Manufacture Thereof. Feb. 21, 1939. Product obtained by coupling an aminonaphthol to a diazotised substituted arylamine and heating the product in a nonreactive dehydrating bath at condensation temperatures in the presence of a dihydroxy benzene.

Pat. 2,149,335. Azo Dye Intermediates and Methods of Preparing Them. Mar. 7, 1939. Compound useful as an azo dye intermediate of the formula:



R=acyl, X=H, alkyl, alkoxy, halogen or nitro and Y=bivalent bridge radical.

Pat. 2,153,200. Diazo Compounds. Apr. 4, 1939. The compound prepared by: a nitro aminobenzene→1,6 or 1,7-naphthylamine sulfonic acid→1,6 or 1,7-naphthylamine sulfonic acid→arylamine having a free 4-position, and reducing the nitro group of the nitroaminobenzene residue.

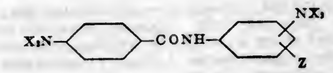
Pat. 2,153,201. Fast Polyazo Dyes. Apr. 4, 1939. Ice color prepared by treating textiles with a dye prepared by: a (nitro or acylamino) aminobensene→naphthylaminesulfonic acid→naphthylamine-sulfonic acid→arylamine having a free 4-position, reduced; tetrazotizing and treating with an ice color coupling component.

Pat. 2,155,685. Azo Dyes. Apr. 25, 1939. A polyazo dye containing a di(arylazobenzoylamino) benzoylaminonaphthol sulfonic acid group having an arylazo group attached to the naphthalene nucleus.

Pat. 2,158,306. Direct Dyes, Process and Product. May 16, 1939. Disazo urea dye obtained by tetrazotizing a diamino diphenyl urea and coupling to an aminonaphtholsulfonic acid substituted on the amino group by aminobenzoyl or aminobenzoylaminobenzoyl.

Pat. 2,160,882. Process of Making Azo Dyes. June 6, 1939. Process of diazotizing a primary arylamine, admixing sulfamic acid with the diazotized amine, and coupling the diazotized amine with an azo coupling component.

Pat. 2,161,638. Azo Dyes. June 6, 1939. Compound of the formula:



X=H or O and Z=halogen, oxyacetic acid, alkyl and alkoxy or 2 alkoxy groups.

Pat. 2,164,524. Azo Dye. July 4, 1939. Azo dyes of the formula: aryl—N=N—aryl—NH_2→arylamine→2-aminobensidine, in which at least one aryl group contains a water-solubilizing group.

Pat. 2,164,785. Azo Dyes. July 4, 1939. Azo dye obtained by tetrazotizing H_2N—R—CONH—alkylene—NHCO—R—NH_2, R=divalent benzene radical, and coupling to known azo dye couplers.

Pat. 2,164,786. Developable Azo Dyes and Process of Producing the Same on the Fiber. July 4, 1939. Azo dye obtained by tetrazotizing a di(aminobenzoyl)-alkylene diamine, coupling to known couplers containing free amino groups and water solubilizing groups, tetrazotizing on the fiber and coupling to couplers having no solubilizing groups.

Pat. 2,164,787. Di(Amino-Aroyl) Alkylene Diamines. July 4, 1939. An azo dye intermediate of the formula:

H_2N—R—CONH—R'—NHCO—R—NH_2

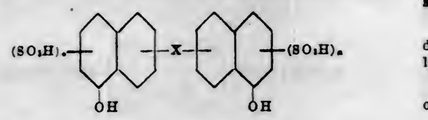
R=arylene of the benzene or naphthalene series and R'=bivalent saturated nonaromatic hydrocarbon radical.

Pat. 2,244,539. Disazo Dyes for Cellulose Esters and

Pat. 2,274,387. Azo Dye. Feb. 24, 1942. The process

Pat. 2,167,779. Dyeings With Polyazo Dyes. Aug. 1, 1939. Tetrakisazo dye obtained by coupling a compound comprising 2-naphthol sulfonic acid nuclei connected by an imide or urea bridge to a diazotized nitroacetylphenylenediamine, reducing, tetrazotising and coupling to a known coupler devoid of solubilizing groups.

Pat. 2,167,780. Diazo Dyestuffs. Aug. 1, 1939. Disazo compounds obtained by coupling:



X—NH or NHCONH, n—1 or 2, to 2 mols of a nitroacroylphenylene diamine, and reducing the end nitro groups.

Pat. 2,171,364. Azo Dyes. Aug. 29, 1939. Dye of the formula: 8-amino-1-naphthol-3,6-disulfonic acid→arylamine→naphthylamine sulfonic acid→an aminobenzene, which may be in the form of its sodium salt.

Pat. 2,171,976. Process of Manufacturing Stabilized Diazo Salts. Sept. 5, 1939. Preparation of a stabilized composition of a diazo salt complex by adding to an aqueous acid salt thereof a precipitant for the diazo salt and removing tarry material by extraction with acetone.

Pat. 2,172,753. Diazo Dyes for Cellulose Esters. Sept. 12, 1939. Blue and black disazo dyes for cellulose esters.

Pat. 2,173,052. Monazo Dyes. Sept. 12, 1939. Monoazo dyes having as one component a tertiary arylamine having an alkyl group and a polyhydroxyalkyl group on the amino group.

Pat. 2,173,053. Dye for Cellulose Esters and Ethers. Sept. 12, 1939. Monoazo dye for cellulose esters and ethers in which one component is an N-polyhydroxyalkylarylamine.

Pat. 2,173,054. Monazo Dyes for Cellulose Esters and Ethers. Sept. 12, 1939. Monazo dyes for cellulose ethers and esters having on one or both components a secondary or tertiary amino group having a polyhydroxy alkyl radical.

Pat. 2,173,055. Monazo Dyes for Cellulose Esters and Ethers. Sept. 12, 1939. Monoazo dyes for cellulose esters and ethers in which the coupling component is a secondary naphthylamine having a polyhydroxyalkyl group on the amino nitrogen.

Pat. 2,173,056. Dyes for Cellulose Esters and Ethers. Sept. 12, 1939. Monoazo dyes for cellulose esters and ethers having N-polyhydroxy radicals in one or both components.

Pat. 2,174,998. Azo Dyes From Ring Acylated Phenols. Oct. 3, 1939. Azo dyes produced by coupling diazotized arylamines to hydroxyarylketone, e. g., a hydroxyphenone.

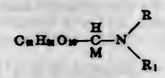
Pat. 2,175,244. Reduction of Aryl Nitro-Bodies. Oct. 10, 1939. Reducing nitroaryl compounds with iron in aqueous alkali in a ball mill.

Pat. 2,175,370. Azo Dyestuffs. Oct. 10, 1939. Azo and azoic colors in which the coupling component is meta-chloro-para-ethoxy-acetoacetanilide.

Pat. 2,175,371. Meta-Halo-P-Ethoxy-Acetoacetanilides and Method of Manufacturing the Same. Oct. 10, 1939. Meta-halo-para-ethoxy-acetoacetanilide and the preparation.

Pat. 2,178,757. Azo Dyes. Nov. 7, 1939. Brown hexakisazo dyes for cellulosic material in which a diazotized disazo dye is coupled to 2-aminobenzidine and the 3 amino groups thereof diazotized and coupled on the fiber.

Pat. 2,181,929. Maltosamine and Process for Preparing It. Dec. 5, 1939. Maltosamines of the formula:



where M—H or OH, R—H or aliphatic, R_1—aliphatic, which may be used as stabilisers for diazo compounds, and as textile assistants.

Pat. 2,182,347. Azo Compound. Dec. 5, 1939. Azo dyes containing aroylamino groups which may be hydrolysed off to give diazotisable end groups.

Pat. 2,182,348. Polyazo Dye. Dec. 5, 1939. Brown to orange and red black polyazo dyes for cellulosic material.

Pat. 2,186,722. Diazonium Compounds and Process of Manufacturing the Same. Jan. 9, 1940. Nitration at 0° to 25° C. in 75 to 100% sulfuric or hydrofluoric acid of the compound X—Aryl—N_2—R, X—H, halogen or saturated alkyl or alkoxy of 1 to 5 C atoms, Aryl—benzene or naphthalene, R—anion of HF, or mono-, di-, or tri-sulfonic acid of benzene naphthalene or anthraquinone.

Pat. 2,191,800. Azo Compounds. Feb. 27, 1940. Substantive azo dyes for cellulosic material which can be developed on the fiber, having a diaryl-diazo bridging group coupled to two phenyl-azo-pyrazolone groups which are coupled to primary arylamines as end groups.

Pat. 2,191,801. Polyazo Dye Compounds. Feb. 27, 1940. Polyazo yellow, brown and orange dyes for cellulosic material containing 1-m-aminophenylpyrazolone nuclei.

Pat. 2,193,553. Insoluble Azo Dye Containing Aromatic Nucleus of the Diphenyl Series. Mar. 12, 1940. Azo dye comprising a diazotized arylamine coupled to the radical of an acylated acetoacetyl diphenyl compound in which the acyl is devoid of groups which couple with diazo salts.

Pat. 2,193,996. Dye Intermediate. Mar. 19, 1940. Azo compounds obtained by diazotising certain aromatic monoamines or diamines and coupling to an amino-naphthol.

Pat. 2,193,997. Ice Color. Mar. 19, 1940. Brown water-insoluble polyazo or azoic dyes for cellulosic material.

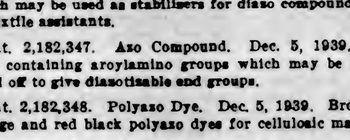
Pat. 2,193,998. Diazonium Compound. Mar. 19, 1940. Air-stable soluble aryl-azo-naphthol-diazonium compounds.

Pat. 2,204,230. Azo Dyes. June 11, 1940. Direct pentakisazo dyes which may be after treated with formaldehyde or metallizing agents.

Pat. 2,209,985. Diazo Composition. Aug. 6, 1940. Diazo solutions in which the diazotized arylamine which is devoid of solubilizing groups is dissolved in a water soluble mono-carboxylic aliphatic acid amide.

Pat. 2,228,416. Azo Dyes. Jan. 14, 1941. Tetrakisazo dyes which may be after treated with formaldehyde.

Pat. 2,230,099. Azo Dyes. Jan. 28, 1941. Reddish brown disazo dye of the formula:



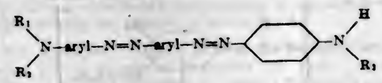
Pat. 2,236,236. Direct Brown Azo Dyes and Processes of Manufacturing the Same. Mar. 25, 1941. Direct brown tetrakisazo dyes for cotton.

Pat. 2,238,938. Process for the Preparation of Naphthazarin Intermediate. Apr. 22, 1941. Claims the process of purifying the crude sodium salt of naphthazarin intermediate by crystallizing the crude product from water, and separating from impurities.

Pat. 2,351,247. Amino-Substituted Compound of the

Pat. 2,416,187. Printing Pastes Containing New Diazo-

Pat. 2,244,839. Disazo Dyes for Cellulose Esters and Ethers. June 3, 1941. Blue disazo dyes for cellulose esters and ethers, such as



where R_1 and R_2—alkyl, R_3—mono or polyhydroxyalkyl.

Pat. 2,244,840. Disazo Dyes. June 3, 1941. Disazo dyes devoid of SO_3H and COOH groups containing at least one polyhydroxyalkyl group connected to an amino nitrogen.

Pat. 2,249,314. Azo Colored Composition. July 15, 1941. A mixture of alkali metal and alkaline earth metal salts of 2-hydroxy-naphthalene-1-azo-(3-methyl-4-chlorobenzene-6-sulfonic acid) are precipitated in alkaline medium and heated to about 60 to 90° C. until a product of uniform soft texture is produced. Product is orange in shade and is claimed to have a high tinting strength.

Pat. 2,254,372. Azo Dye Wood Stain. Sept. 2, 1941. Method of staining wood by impregnating it with a composition comprising an organic solvent and an azo dye soluble in the solvent having a sulfonic group in the form of its free acid. Example: The acid form of amino azo benzene→2-naphthol-6,8-disulfonic acid is dissolved in a mixture of methyl alcohol, toluene and diethylene glycol, producing a bright scarlet wood stain.

Pat. 2,255,090. Inhibiting the Gas Fading of Dyed Acetate Silk. Sept. 9, 1941. Process of inhibiting the action of gases which are deleterious to dyeings on cellulose acetate fibers by wetting the fibers with an aqueous fluid containing aryl biguanides.

Pat. 2,257,091. Solubilization of Diazoimino Compounds. Sept. 30, 1941. Diazoimino compounds in which the stabiliser is a secondary alkylol amine, e. g. methyl glucamine or diethanolamine, are reacted with ethylene oxide. Increased solubility in water is claimed.

Pat. 2,257,788. Blue Monazo Dye. Oct. 7, 1941. Water soluble blue monoazo dyes for cellulose acetate.

Pat. 2,263,597. Derivatives of 4-(4'-Nitro-2'-Sulphophenyl-Amino) Amino Benzenes and Processes of Making the Same. Nov. 25, 1941. Acyl derivatives of 4-(4'-nitro-2'-sulfophenyl-amino) aminobenzenes.

Pat. 2,263,616. Composition Comprising Ice Color Coupling Components. Nov. 25, 1941. Dispersible solubilized compositions containing azo dye intermediates which are devoid of SO_3H and COOH groups and a salt of Turkey Red Oil.

Pat. 2,264,681. Azo Dyes. Dec. 2, 1941. Tetrakisazo dyes which may be direct, after treated with formaldehyde or metallized.

Pat. 2,264,682. Reddish-Violet Substantive Azo Dye. Dec. 2, 1941. Substantive reddish violet tetrakisazo dye for cellulosic fibers.

Pat. 2,266,822. Disazo Dyes. Dec. 23, 1941. Claims dyes of the type: $X{\rightleftarrows}(Y)_2$, X is an aminophenoxy-acyl-arylene-diamine and Y is an amino-naphthol-sulfonic acid, a substituted amino-naphthol sulfonic acid, an amino-phenyl-pyrazolone, etc. The products are to be tetrazotized and developed with β-naphthol on cellulose fibers.

Pat. 2,266,824. Insoluble Azo Dye. Dec. 23, 1941. Claims dyes of the type: $X{\rightleftarrows}(Y)_2{\rightleftarrows}(\beta\text{-naphthol})_2$, X is an aminophenoxy acyl-arylenediamine, and Y is an amino naphthol-sulfonic acid, a substituted amino-naphthol-sulfonic acid, an amino-phenyl-pyrazolone, etc. The disazo dyes are tetrazotized and coupled to β-naphthol on cellulose fibers.

Pat. 2,274,387. Azo Dye. Feb. 24, 1942. The process of dyeing union textiles containing cellulose acetate fibers without imparting substantial stain to the acetate, and with the production of color having good discharge properties by applying a composition containing a direct cotton azo dye, activated carbon, and water to the textiles.

Pat. 2,275,124. Azo Dye. Mar. 3, 1942. Reacting diazotized 2,5-dimethoxy aniline with 3'-nitroanilide of 2,3-hydroxynaphthoic acid.

Pat. 2,278,492. Pentakisazo Dye. Apr. 7, 1942. Brown pentakisazo dyes and formaldehyde complexes thereof.

Pat. 2,286,390. Phenoxyacylamino Derivatives. June 16, 1942. Phenoxyacyl derivatives of polymethylene diamines having NH_2 or NO_2 on the phenyl group.

Pat. 2,286,391. Azo Dye. June 16, 1942. Azo dyes containing as first components di(amino-phenoxyalkyl-acylamino) alkanes.

Pat. 2,286,392. Azo Dye. June 16, 1942. Azo dyes containing as first components di(amino-phenoxyalkyl-acylamino) alkanes are diazotized on cellulose fibers and subsequently developed with a suitable water-insoluble coupling component, e. g. β-naphthos, pyrazolones. The resulting dyeings have excellent fastness to washing.

Pat. 2,295,050. Azo Dye. Sept. 8, 1942. Disazo dyes prepared from disulfanilamide tetrazo.

Pat. 2,296,925. Black Trisazo Dye. Sept. 29, 1942. Black trisazo dye for animal and vegetable fibers.

Pat. 2,297,801. Azo Dyes. Oct. 6, 1942. Brown trisazo dyes in which the last component is a 3,3'-diamino-sym, diphenyl urea and which are tetrazotised and developed on the fiber to pentakisazo dyes.

Pat. 2,314,212. Nitration of Cyclic Organic Compounds. Mar. 16, 1943. Nitration of aromatic organic compounds with nitric acid using BF_3 as an assistant. Higher efficiencies and lower temperatures are claimed.

Pat. 2,317,387. Dispersible Disazo Dye. Apr. 27, 1943. Secondary disazo dyes of the type: $H_2NO_2SRNH_2{\rightarrow}M{\rightarrow}$a phenol, M is a middle component, e. g. meta-toluidine, α-naphthylamine, 1-(amino phenyl)-3-methyl-pyrazolone, R is a nucleus of the benzene or naphthalene series. The products in dispersed form, dye cellulose acetate. Shades vary from yellow to red.

Pat. 2,322,746. Soluble Trisazo Dyes for Cellulosic Fibers. June 29, 1943. Claims direct dyes of the type: X→Y→Z→C, X and Y are primary aryl amines, Z is an amino benzyl-amino naphthol sulfonic acid and C is resorcin. Dyes are aftertreated with formaldehyde to improve fastness to washing.

Pat. 2,322,750. Trisazo Dye. June 29, 1943. Claims dyes of the type: X→Y→Z→C, X and Y are arylamines, Z is an amino sulfophenyl amino naphthol sulfonic acid and C is resorcin. Dyes are aftertreated with formaldehyde to improve washing fastness.

Pat. 2,336,521. Dioxazine-Type Dyestuffs and Process for Preparing the Same. Dec. 14, 1943. Blue dioxazine dyes.

Pat. 2,344,244. Catalytic Hydrogenation of Nitro Compounds. Mar. 14, 1944. Catalytic hydrogenation of aromatic nitro compounds to azo compounds in the liquid phase in the presence of an alkali and a sulfactive hydrogenation catalyst.

Pat. 2,346,599. Azo Dye Intermediates. Apr. 11, 1944. Di-(aminoaroylamino)-aroylamino-naphtholsulfonic acids.

Pat. 2,346,790. Azo Dyestuff. Apr. 18, 1944. Stabilization of printing pastes containing acid-reacting aryldiazo salts by the addition of picolinic acid.

Pat. 2,346,922. Metallisable Azo Dye. Apr. 18, 1944. Metallisable azo dye containing an anthraquinone nucleus.

Patents Relating to Miscellaneous Dyes

Pat. 1,968,895. Sulphur Dye and Method for Its Prep-

Pat. 2,351,247. Amino-Substituted Compound of the Benzene Series and Method of Making the Same. June 13, 1944. Claims primary amino benzenes in which a substituent group meta to —NH_2 is a chloro-aliphatic group having 2 nuclear C atoms both of which are substituted by chloro the chloro-aliphatic group having 2 nuclear C atoms both of which are substituted by chloro the chloro-aliphatic groups containing 3 to 5 Cl substituents. Example: 1',2',2'-trichloro-meta-amino styrene. Products are intermediates of azo dyes and are prepared by reducing the corresponding meta nitro compound.

Pat. 2,355,496. Dioxazine-Type Dyestuffs and Process for Preparing the Same. Aug. 8, 1944. Blue dioxazine dyes for cotton.

Pat. 2,355,497. Dioxazine Coloring Matters and Process for Preparing the Same. Aug. 8, 1944. Blue dioxazine dyes having sulfonamide radicals in the structural formula.

Pat. 2,356,618. Stabilized Diazo Printing Paste. Aug. 22, 1944. A printing paste comprising water, the reaction product of a diazonium halide with a metallic halide, and a non-coupling member comprising an aryl carboxylic acid, their insoluble metallic salts or their anhydrides. Example: complex diazo salt from diazotised 2,5-dichloro aniline and zinc chloride + bensoic acid. Printing pastes so stabilized do not deteriorate so rapidly and keep their strength longer.

Pat. 2,357,977. Azo Dyes. Sept. 12, 1944. Polyazo dyes obtained by coupling a di(aminoacylamino) aroylamino-naphthol sulfonic acid to a diazotized arylamine and developing this product on the fiber.

Pat. 2,361,327. Aryloxy-Alkacyl-Arylenes. Oct. 24, 1944. Para-phenoxyacetyl-meta-phenylene diamine.

Pat. 2,362,477. Azo Dyestuffs. Nov. 14, 1944. Process of preparing a scarlet dye, 3-aminotoluene-6-sulfonic acid→o-anisidine→m-aminophenyl - pyrazolone - carboxylic acid→m-aminobenzoyl-J-acid. Also claims is exceptionally fast to washing.

Pat. 2,370,339. Intermediate for Azo Dyes. Feb. 27, 1945. Claims preparation of pseudocumidene by heating N-N-dimethyl-meta-toluidine with $ZnCl_2$ to 300° C. The product is used as an azo dye intermediate.

Pat. 2,370,500. Direct Blue Azo Dyes. Feb. 27, 1945. Claims azo dyes of the formula: Y→Dianisidine→A→Resorcin, Y=1,8-dihydroxy-naphthalene-3,6-disulfonic acid; 1,8-dihydroxy naphthalene-4-sulfonic acid and 1-hydroxy naphthalene-4-sulfonic acid and A=1-naphthylamine 6- and 7-sulfonic acids. Products dye cellulosic fibers in deep bright blue shades which when aftertreated with formaldehyde show excellent washing fastness.

Pat. 2,373,438. Manufacture of 3,4-Xylidene. Apr. 10, 1945. Manufacture of 3,4-xylidene by hydrogenating a carboxylic acid ester of 2-methyl-5-nitrobensyl alcohol.

Pat. 2,373,926. Azo Dyestuffs. Apr. 17, 1945. Azo dyes containing a benzacridine nucleus which may be applied as ice colors or in stabilized printing compositions.

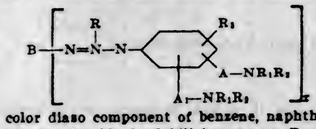
Pat. 2,374,064. Azo Pigments. Apr. 17, 1945. Monoazo yellow pigments of the type, p-chloro-o-nitraniline→2-methyl-3-chloro-acetoacetanilide.

Pat. 2,374,157. Red Monoazo Wool Dyes. Apr. 17, 1945. Red monoazo dye for wool.

Pat. 2,390,629. Method for Preparing Phenyl-Pentachloro-Ethane. Dec. 11, 1945. Phenylpentachloroethane is made by heating α-trichloroacetophenone with PCl_5 at 120 to 180° C.

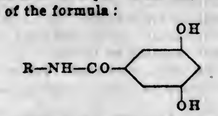
Pat. 2,396,357. Diazoamino Compounds and Printing Pastes. Mar. 12, 1946. Stabilisation of diazoe, diazoamino compounds and printing pastes containing them with a 6-sulfotetrahydroquinoline-8-carboxylic acid.

Pat. 2,416,187. Printing Pastes Containing New Diazoamino Compounds. Feb. 18, 1947. A hydrous alkaline printing paste comprising a coupling component, a thickener, and a diazoamino component of the formula:



B=ice color diazo component of benzene, naphthalene, or diphenyl series devoid of solubilising groups, R=H, alkyl, or hydroxy-alkyl, R_1=H or alkylol, R_2=alkylol, R_3=H, NO_2, Cl, Br, —CH_2OH, alkyl, or alkoxy, A and A_1=SO_3 or CO, x=1 or 2.

Pat. 2,416,547. Direct Azo Dyes Containing 3,5-Dihydroxy Benzoylamino Groups. Feb. 25, 1947. A direct cotton azo dye of the formula:



R=radical containing at least one aryl and one azo group, in which at least one m,m'-dihydroxy-bensoylamino group is attached to an aryl group and the compound contains sufficient water-solubilising groups to make it water-soluble.

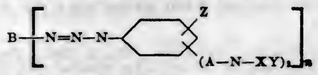
Pat. 2,416,549. Azo Printing Composition. Feb. 25, 1947. Cellulosic textile fiber is dyed by development on the fiber of a disazo compound of the formula:

R—N=N—D—N=N—R

D=radical of dianisidine, R=mixed radicals of beta-hydroxynaphthoic acid and the anilide thereof in the ratio in the range of 1:19 to 1:2. Resulting shades are greener than those obtained in the absence of the beta-hydroxy-naphthoic acid.

Pat. 2,418,416. Manufacture of Azo Lakes. Apr. 1, 1947. Manufacture of an azo lake of improved fastness by dissolving an amine of the benzene, biphenyl or naphthalene series and a coupling component of the benzene or naphthalene series containing an OH group, a solubilising group, and no NH_2 groups in an aqueous non-oxidising mineral acid solution of pH value to allow diazotization of the amine but not coupling of the components when a diazotising agent is added, diazotizing the amine, increasing the pH to allow coupling and adding a salt of a laking metal. Example: ortho-aminobensoic acid→2-naphthol-3,6-disulfonic acid, laked with $BaCl_2$.

Pat. 2,422,359. Diazoamino Compounds. June 17, 1947. Diazoamino compounds of the formula:



B=radical of ice color diazo component devoid of water-solubilizing groups, R=H, alkyl or 1–4 C atoms, hydroxyethyl or tris-(hydroxymethyl) methyl, A=CO or SO_2, X=H, ethylol or methylol, Y=alkylol of 1 to 4 C atoms and 1 to 4 hydroxyl groups, Z=H, NO_2, Cl, Br, CH_2OH, 1 to 4 atom alkyl, methoxy or ethoxy and n=1 or 2. The two (A—N—XY) groups are preferably one alkylol carbonamide and one alkylol sulfonamide.

Re. Pat. 21,476. Azo Dyes. Reissued June 4, 1940 (reissue of 2,148,134 originally issued Feb. 21, 1939). Dye obtained by tetrazotising di(p-aminobensoyl)-1,3-diaminobensene, which may be sulfonated in 4-position, coupling to an amine, tetrazotising and coupling in substance or on the fiber to a known coupler.

Re. Pat. 22,133. Azo Dyes. Reissued July 14, 1942 (reissue of 2,167,142 originally issued July 25, 1939). Azo dyes of the formula: 2-amino-4-methylanisole→anilide of 2,3-hydroxynaphthoic acid in which the anilide nucleus may be substituted by alkyl, alkoxy, nitro or halogen.

Patents Relating to Miscellaneous Dyes

Pat. 1,896,076. Sulphur Black and Preparation of the Same. Feb. 21, 1933. Manufacture of sulfur black by thionating a nitrophenol, precipitating in non-acid medium and acidifying the precipitate before drying.

Pat. 1,904,366. Organic Acid of the Diphenyl-Methane Series and a Process of Preparing the Same. Apr. 18, 1933. 3-Amino-4-(hydroxy or alkoxy)-2'-carboxy-diphenyl-methane in which the amino group may carry hydrolyzable substituents.

Pat. 1,906,580. Organic Acids of the Diphenylmethane Series and a Process of Preparing the Same. May 2, 1933. 2-(Chloro or bromo)-4-(alkyl, alkoxy, halogen, carboxy or sulfo)-5-amino-2'-carboxy-diphenylmethane in which the amino group may be substituted by acyl or the diacyl radical of a dibasic organic acid.

Pat. 1,908,099. Dye of the Naphtho-Phenazine Series and Process of Making It. May 9, 1933. A naphthophenazine compound having morpholine as a substituent in 3-position.

Pat. 1,910,489. Process for the Preparation of Amino-Thiazoles. May 23, 1933. Process of preparing p-ethoxy-amino-bensothiazol by adding sulfuryl chloride to p-ethoxy-phenyl thiourea suspended in chlorbensene, agitating the suspension, filtering off the precipitate formed and treating the precipitate with an aqueous alkaline solution.

Pat. 1,911,084. Process of Manufacturing Amino-Aryl-Thioglycollic Intermediates. May 23, 1933. Process of making amino-aryl-thioglycollic intermediates which comprises reacting an aryl substituted thiourea with a halogen, heating the product formed by the reaction with an alkaline substance and condensing the product formed thereby with a compound of the group consisting of chloracetic acid and alkali metal salts thereof.

Pat. 1,911,085. Process of Manufacturing Thiazoles. May 23, 1933. Process for producing amino-thiazole-compounds of the general formula:

where X means hydrogen or an alkyl or aryl-group, and R hydrogen or an aryl radical, which process comprises acting with chlorine on thiourea-derivatives of the general formula: aryl—NX—CS—NHR, where X and R have the aforesaid signification.

Pat. 1,916,215. Compound of the Diphenyl-Methane Series and Process of Preparing the Same. July 4, 1933. 3'-Aminobensyl-o-bensoic acids which may be substituted in 4-position by alkyl, halogen or carboxy and on the amino group by an acyl or divalent acyl radical.

Pat. 1,931,077. 1-Amino-5-Methoxy-Benzo-Thiazole. Oct. 17, 1933. 1-Amino-5-methoxybensothiazole.

Pat. 1,934,727. Safranine Dyestuff Intermediates and Process of Preparing the Same. Nov. 14, 1933. Preparation of a dye intermediate by condensing cresidine with p-nitro-chloro-bensene-o-sulfonic acid in the presence of an alkaline reacting substance. Claims also the reduction of the intermediates to the corresponding amine. The dyes produced from the products have greenish-blue shades and are fast to light and washing.

Pat. 1,954,484. Process of Producing Derivatives of Diphenylmethane. Apr. 10, 1934. Process for producing derivatives of methane which comprises heating a solution of formaldehyde and a member selected from the group consisting of mono- and di-alkyl anilines, mono-alkyl-o-toluidine, mono-alkyl-α-naphthylamine, and mono- and di-alkyl-β-naphthylamines, in the presence of a member selected from the group consisting of ammonium salts and alkyl-ammonium compounds.

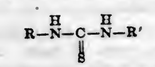
Pat. 1,968,895. Sulphur Dye and Method for Its Preparation. Aug. 7, 1934. Sulfur dye obtained by thionating the reaction product of p-amino-phenyl-morpholine and phenol with an alkaline polysulfide solution.

Pat. 1,981,055. Sulphur Colors. Nov. 20, 1934. Sulfur dyes produced by heating meta-toluylene-diamine, sulfur, a dibasic carboxylic acid and an amine of the diphenyl series.

Pat. 1,984,885. 1-Amino-Arylene Thiazoles and Their Production. Dec. 18, 1934. Production of amino thiazoles by chlorinating thioureas having one or 2 H atoms replaced by aryl groups.

Pat. 1,984,886. 1-Amino-Arylene Thiazoles and Their Production. Dec. 18, 1934. Production of a nuclearly chlorinated aryl thiazole by treating RNH—CS—NHR', R and R'=radicals of benzene or naphthalene series having at least 1 position adjacent to the NH free, with a chlorinating agent.

Pat. 1,987,614. Thiazole and Process of Production. Jan. 15, 1935. Process of preparing amino-aryl-thiazoles by treating a substance of the class:



where R is a benzene nucleus having one position ortho to the —NH group free and R' is a member of the group consisting of hydrogen, alkyl and phenyl radicals with a mixture of bromine and sulfuryl-chloride, in the presence of a solvent which does not readily react with the other ingredients.

Pat. 1,988,501. Preparation of Aryl Thioglycollic Acids. Jan. 22, 1935. Preparation of aryl thioglycollic acid comprising hydrolyzing a water-insoluble aryl-alkyl-xanthate in the presence of a monohalogen acetic acid in an organic solvent for the xanthate.

Pat. 1,991,482. Rhodamine Dyes. Feb. 19, 1935. Production of rhodamine dyes by condensing a halogenated primary amine of the benzene series with fluorescein dichloride and sulfonating. Product and animal fibers dyed therewith also claimed.

Pat. 1,996,005. Nitrate Compound of 2-Chloro-6-Nitrobenzaldimercurioxide. Mar. 26, 1935. Reaction of 2-chloro-6-nitrobenzaldimercurioxide with nitrous acid.

Pat. 1,996,006. 2-Chloro-6-Nitrobenzaldimercurioxide. Mar. 26, 1935. 2-Chloro-6-nitrobenzaldimercurioxide.

Pat. 1,996,007. Preparation of 2-Chloro-6-Nitrobenzaldoxime. Mar. 26, 1935. 2-Chloro-6-nitrobensaldoxime.

Pat. 1,999,395. Color Lake. Apr. 30, 1935. Color lakes are prepared by combining a complex inorganic acid of tungsten and/or molybdenum with a solution of a basic dye and an alkylamine. Also claims the lakes.

Pat. 2,004,763. N(P-Amino-Phenyl) Morpholine and Method of Preparing the Same. June 11, 1935. N-(para-amino-phenyl) morpholine and production thereof.

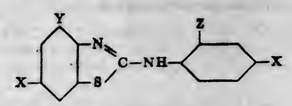
Pat. 2,004,764. Preparation of N-(P-Amino-Phenyl) Morpholine. June 11, 1935. Preparation of N(p-amino-phenyl) morpholine by reducing the corresponding nitro or nitroso compound as its hydrohalide by means of an inorganic water-soluble sulfide having reducing properties.

Pat. 2,005,571. N(Para-(Beta-Naphthyl-Amino) Phenyl) Morpholine and Its Production. June 18, 1935. N(para(beta-naphthyl-amino)phenyl) morpholine.

Pat. 2,007,335. Process of Producing O-Amino-Aryl Mercaptans and Derivatives Thereof. July 9, 1935. Arylaminothiazoles are heated with sodium hydroxide to obtain o-amino-aryl mercaptans.

Pat. 2,019,529. Aminobenzothiazole Compound. Nov. 5, 1935. 2-Aminobensthiazoles having an alkoxy or cycloalkoxy of at least 3 C atoms on the benzene ring, and salts thereof.

Pat. 2,025,876. Preparation of Aryl-Amines. Dec. 31, 1935. Process of hydrolysing under alkaline conditions:



X—halogen, Y—H or alkyl and Z—halogen or alkyl.

Pat. 2,027,144. Formation of Leuco Compounds. Jan. 7, 1936. Process of reducing a vat color to its leuco which comprises mixing the vat color with metallic zinc and an amount of sulfur dioxide in water insufficient to interact with all the zinc present, and during the reaction continuously adding an amount of sulfuric acid to form and maintain the presence of zinc hydrosulfite from the zinc bisulfite formed. U. S. patent has one claim to reduction of organic compounds.

Pat. 2,040,928. Alkoxy, Alkyl-Amino-Benzothiazoles and Their Production. May 19, 1936. 6-n-Butyloxy-2-methylimino-benzothiazole.

Pat. 2,051,145. Chlorinated Aryl-Thiazoles and Process for Their Production. Aug. 18, 1936. 1-p-chloro-o-toluidino-3-methyl-5-chlorobenzothiazole and salts thereof.

Pat. 2,052,716. Compounds of Basic Dyestuffs With Sulphuric Acid Ester Salts. Sept. 1, 1936. Compound formed by reacting a basic dye with a sulfuric acid ester salt of an 8–18 C atom normal straight chain primary aliphatic alcohol.

Pat. 2,055,608. Ar. Tetrahydro-Naphthyl Thioureas. Sept. 29, 1936. An unsubstituted ar. tetrahydro naphthyl thiourea.

Pat. 2,055,609. Ar. Tetrahydro-Naphthothiazoles. Sept. 29, 1936. A β-amino ar-tetrahydro-naphthothiazole.

Pat. 2,061,200. Indigoid Compounds Containing Fluorine. Nov. 17, 1936. An indigoid dye having an F or a CF_3 group attached to an aromatic C atom thereof.

Pat. 2,061,243. Unsymmetrical Fluoro-Phenyl-Thioureas and Process of Preparing Same. Nov. 17, 1936. Preparation of p-fluorophenyl thioureas by reacting p-fluoroaniline with an alkali metal thiocyanate or lower alkyl or aryl isothiocyanates.

Pat. 2,062,443. Improved 4:4'-Dimethyl-6:6'-Dihalogen Thioindigo. Dec. 1, 1936. Method of improving 4,4'-dimethyl-6,6'-dihalogen thioindigos.

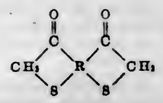
Pat. 2,063,161. Asymmetric Indigoid-Thioindigoid Colors. Dec. 8, 1936. Preparation of asymmetric thionaphthene-indolindigo dyes by condensing an isatin with an aluminum compound of thioindoxyl.

Pat. 2,063,191. Hydroxy Phenyl Morpholines. Dec. 8, 1936. 2-Methyl or 3-methyl-4-hydroxy-N-phenyl-morpholine.

Pat. 2,085,736. Compounds of the Triphenylmethane Series. July 6, 1937. Dyes of the triphenyl methane series containing nuclearly substituted fluorine.

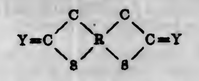
Pat. 2,089,006. Preparation of Nitro-Bensaldimercuric Oxides. Aug. 3, 1937. Preparation of an o-nitrobensaldimercurioxide by reacting an o-nitrotoluene with mercuric oxide in alkaline solution.

Pat. 2,094,595. Chemical Compounds. Oct. 5, 1937. claims bis-thioindoxyls having the general formula:



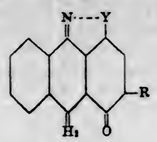
wherein both thiophene nuclei are condensed on the same benzene nucleus of an aromatic radical R.

Pat. 2,094,596. Indigoid Dyes and a Process for the Preparation Thereof. Oct. 5, 1937. Indigoid dyes of the formula:



R—aromatic nucleus in which both thiophene nuclei are attached to the same benzene nucleus, Y—thionaphthene radical.

Pat. 2,113,236. Dyestuffs of the Alisarine Indigo Type. Apr. 5, 1938. Alisarine indigo type dyes of the formula:



Y—S or Se, and R—isatin radical linked in 2-position.

Pat. 2,127,483. Thioindoxyl-Anil and Process of Making the Same. Aug. 16, 1938. Compound obtainable by condensing 6-ethoxythioindoxyl, in alkaline aqueous alcoholic medium, with p-nitrosophenol and methylating the product.

Pat. 2,127,484. Thioindoxyl Derivative and Process of Making the Same. Aug. 16, 1938. Compound obtained by condensing 6-methyl-thioindoxyl with p-nitroso phenol in alkaline aqueous alcoholic medium.

Pat. 2,136,427. Indigoid Dye Reduction Products and Processes for Making the Same. Nov. 15, 1938. Preparation of a reduction product of a thioindigo dye by heating in aqueous alkali metal hydrosulfite until a stable leuco of the dye is formed.

Pat. 2,136,428. Unsymmetrical Modified Leuco Derivatives of Indigoid Dyes. Nov. 15, 1938. Indigoid dyes are made by reducing a thionaphthene indolindigoid dye substituted in the aryl ring with a halogen, alkyl, or alkoxy radical, with an aqueous alkali metal hydrosulfite.

Pat. 2,148,106. Process of Preparing Aryl Mercaptans. Feb. 21, 1939. Aryl mercaptans are prepared by reacting an aryl compound with aluminum chloride and sulfur dioxide and then reducing the sulfinates thus formed. For example, chlor-para-xylene mercaptan is prepared from chlor-para-xylene.

Pat. 2,151,114. Sulphurised Indophenol Dyestuffs and Process of Producing the Same. Mar. 21, 1939. Green sulfur dyes obtained by thionating 1-p-alkoxy-phenylamino-4-p-hydroxy phenylaminonaphthalene-6-, -7-, or -8-sulfonic acid.

Pat. 2,153,300. Manufacture of Metal-Phthalocyanines. Apr. 4, 1939. Production of copper phthalocyanine by heating phthalonitrile and copper in a limited quantity to control temperature, adding phthalonitrile, repeating the cycle until the apparatus is filled and baking at 220–250° C.

Pat. 2,160,837. Manufacture of Copper Phthalocyanine. June 6, 1939. Production of copper phthalocyanine by heating metallic copper with an o-arylene dicyanide in the presence of NH_4Cl, $SnCl_4$, $SbCl_5$, $SnCl_2$, $AlCl_3$, or CuCl.

Pat. 2,163,768. Chemical Process. June 27, 1939. Method of treating a massive body having a surface of a structurally useful divalent base metal with a porphyrazinogenic substance in fluid form at elevated temperature.

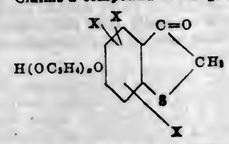
Pat. 2,192,704. Phthalocyanine Pigment. Mar. 5, 1940. Method of improving a phthalocyanine pigment by dissolving it in an acid solvent with a small amount of a different phthalocyanine pigment and precipitating by adding water.

Pat. 2,212,056. 6-Chloro-Diphenyl-Methane-2-Carboxylic Acid Compounds and a Process for Preparing the Same. Aug. 20, 1940. 6-Chlorodiphenyl-2-carboxylic acid which may be substituted by halogen, methyl or methoxy.

Pat. 2,213,204. Catalytic Production of Aryl-Naphthyl Amines. Sept. 3, 1940. Process of heating at 150–350° C., a naphthol with an aminobenzene in the presence of sulfanilic acid.

Pat. 2,227,628. Fluorination of Phthalocyanines. Jan. 7, 1941. Production of a novel coloring matter, by reacting with fluorine upon a phthalocyanine compound in liquid hydrogen fluoride.

Pat. 2,228,753. Intermediates for Indigoid Dyestuffs. Jan. 14, 1941. Claims a compound of the general formula:



and its tautomeric form, wherein the X's are hydrogen or mono-valent auxochromic substituents, while s represents an integer not greater than 5. Products are intermediates for thioindigo dyes.

Pat. 2,234,018. Sulphur Color Derived From Substituted Aryl Carbamic Esters. Mar. 4, 1941. New sulfur colors are prepared by the thionation of aryl carbamic acid esters. Novel shades and improved fastness properties are claimed.

Pat. 2,238,242. Aromatic Fluorine Compounds. Apr. 15, 1941. Diphenyl difluoro methane, sym. diphenyl difluoro ethene, sym. diphenyl difluoro-dichloro ethane, and nuclearly alkylated derivatives thereof.

Pat. 2,238,243. Liquid Coating Composition. Apr. 15, 1941. Claims a can-stable, non-bronzing, non-aqueous liquid coating composition containing as principal color constituent the lake obtained by precipitating with barium chloride and in the presence of alumina hydrate, sulfonated copper phthalocyanine containing from 1.34 to 3.45 sulfo groups per molecule.

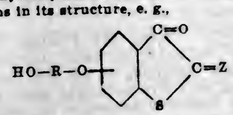
Pat. 2,238,275. Method of Flushing Water Wet Pigments in Oil. Apr. 15, 1941. Process of converting an aqueous pigment paste into an oily pigment paste.

Pat. 2,253,166. Hydroxyalkyl Mono Ethers of P,P'-Dihydroxy Diphenyl Amines and Process for Making Same. Aug. 19, 1941. 4-(ω-Hydroxy-alkoxy)-4'-hydroxy-diphenyl-amines are prepared by the condensation of a 4-(ω-hydroxy-alkoxy)-aniline with hydroquinone. The products are intermediates for the manufacture of sulfur colors.

Pat. 2,253,167. Sulphur Dyestuff. Aug. 19, 1941. Brown to red-brown sulfur colors are prepared by the thionation with sodium polysulfide of 4-(ω-hydroxy-alkoxy)-4'-hydroxy-diaryl-amines.

Pat. 2,257,868. Trifluoroacetyl Halide and a Process of Making It. Oct. 7, 1941. Trifluoro acetyl chloride and bromide are prepared by heating trifluoro acetic acid with bensoyl chloride or bromide. Both process and products are claimed.

Pat. 2,259,618. Indigoid Dye and Process of Making the Same. Oct. 21, 1941. Claims a vat dye of the indigoid series possessing at least one 3-hydroxy-thionaphthene component which in turn possesses in the aryl nucleus at least one hydroxy-alkoxy group having not more than 4 carbon atoms in its structure, e. g.,



Z is an indigoid coupling component and R is alkyl and hydroxy-alkyl.

Pat. 2,263,562. Sulphur Dyes Derived From Aromatic Biguanides. Nov. 25, 1941. Sulfur colors are prepared by the thionation of aromatic biguanides or di-biguanides, with or without bensidine or m-toluylene diamine.

Pat. 2,285,243. Nuclear Alkylation of Amino Substituted Aromatic Ethers. June 2, 1942. Process for the nuclear alkylation of amino phenol ethers using sulfuric, hydrofluoric, or phosphoric acid as the condensing agent.

Pat. 2,335,137. Diamino Diphenyl Methanes. Nov. 23, 1943. Bisymmetrical 4,4'-diaminodiphenylmethanes in which each phenyl group contains at least one SO_3H group and the amine groups may be monoalkylated.

Pat. 2,335,381. Sulphur Dye Derived From 1-(ω-Sulpho-Alkylamino)-Naphthalenes. Nov. 30, 1943. Blue and green sulfur dyes of increased solubility and good fastness properties are prepared by thionating leuco indo phenols derived from 1-(ω-sulfo-alkyl)-naphthylamines, either with or without copper salts.

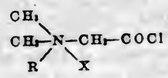
Pat. 2,344,624. Sulphur Dyes of the Hydroxy-Anilino-Naphthalene-Sulphonamide Type. Mar. 21, 1944. Sulfur dye produced by thionating a 1-amino-4-(4'-hydroxy-anilino)-naphthalene sulfonamide which may contain halogen and methyl groups and metallized complexes thereof.

Pat. 2,344,625. New Hydroxy-Anilido-Naphthalene-Sulphonamides. Mar. 21, 1944. Production of hydroxy aniline aminonaphthalene sulfonamides by reacting a para aminophenol with 1-aminonaphthalene-6(-7 or -8) sulfonamide. Example: p-aminophenol + 1-aminonaphthalene-6-sulfon-methyl-amide → 1-amino-4(p'-hydroxy anilino)-naphthalene-6-sulfon methylamide. Products are used as intermediates for sulfur dyes.

Pat. 2,356,823. Organic Dyestuffs of the Thionaphthenone Series and Process of Making the Same. Aug. 29, 1944. Thionaphthenone dyes obtainable by condensing a thioindoxyl compound with a benzenoid compound having a reactive 0 atom.

Pat. 2,356,824. Organic Dyestuffs of the Thionaphthenone Series and Process of Making the Same. Aug. 29, 1944. Mono- or di-(acyloxyalkyloxy) derivative of a dye obtainable by condensing a thioindoxyl compound with a benzenoid compound having a reactive 0 atom.

Pat. 2,359,862. Quaternary Ammonium Derivatives. Oct. 10, 1944. Process for producing betaine esters by reacting a compound of the formula:



R—hydrocarbon, X—an anion of a strong acid with an organic hydroxyl-containing esterifying agent in a liquid diluent medium. Example: N-chloro-betainyl chloride + 2-hydroxy-3-naphthanilide → 2-(N-chloro-betainoxy)-3-naphthanilide. Water-insoluble hydroxy-containing compounds can be solubilised by the process.

Dyeing and Printing Chemicals and Processes

Pat. 1,914,536. Discharge Dyeing. June 20, 1933. A dischargeable dye mixed with a non-dischargeable blue or green naphthophenazine dye and production of white discharge effects on silk.

Pat. 1,931,108. Discharge Printing. Oct. 17, 1933. Production of discharge effects on cellulose ethers and esters including treating with guanidine thiocyanate.

Pat. 1,941,991. Method of Treating Textile Material and Product. Jan. 2, 1934. Use of aminoarylthioglycollic acid metal salts as assistants in dyeing with sulfur dyes.

Pat. 1,946,079. Alkylolamine Derivatives of Aliphatic Acids. Feb. 6, 1934. Claims a product resulting from the chemical combination of an acid taken from the group consisting of oleic, stearic and ricinoleic acids with an alkylolamine containing a plurality of alkyl groups.

Pat. 1,946,080. Alkylolamine Derivatives of Aliphatic Acids. Feb. 6, 1934. Claims a product resulting from the chemical combination of oleic acid and an alkylolamine containing a plurality of alkyl groups.

Pat. 1,967,569. Printing. July 24, 1934. A dye paste comprising a water-insoluble vat dye and a formate or material which will yield a formate under conditions of printing as printing assistants.

Pat. 1,981,907. Discharge Printing. Nov. 27, 1934. Production of discharge effects on dyed cellulose ethers and esters with a composition comprising zinc thiocyanate and a sulfoxylate capable of discharging the color.

Pat. 1,985,602. Nondyeing Sulphurized Phenol. Dec. 25, 1934. Production of sulfurized derivatives of phenols by reacting a monohydric phenol with an amount of sulfur insufficient to react with all the phenol present in the presence of an alkali metal hydroxide, and subsequently removing the unreacted phenol.

Pat. 2,000,689. Wood Staining. May 7, 1935. Staining wood with an organic solution of an arylene diamine, aminophenol or aminoanisole and $CuCl_2$ and exposing the treated wood to air.

Pat. 2,006,303. Dyeing of Cellulose Derivatives. June 18, 1935. Cellulose esters are dyed with 1-nitroacridone which may be further substituted by halogen, nitro, alkyl, alkoxy or hydroxy.

Pat. 2,021,911. Process for Dyeing and Printing Textile Material. Nov. 26, 1935. Composition comprising an ice color coupling component and a diazoimino compound from a diazotized arylamine free of COOH and SO_3H groups and a pyrrolidine having a water solubilising group in beta-position.

Pat. 2,021,932. Process of Dyeing. Nov. 26, 1935. Process of dyeing fibers with vat dyes by applying the dye solution to the fiber in the presence of a cellulose ether which is adapted to be dispersed in alkaline solution.

Pat. 2,024,973. Textile Printing. Dec. 17, 1935. Vat dye printing paste comprising an unsubstituted alkali-metal anthraquinone sulfonate used as a printing assistant.

Pat. 2,024,974. Printing. Dec. 17, 1935. Vat dye printing paste comprising an alkali-metal anthraquinone sulfonate used as a printing assistant.

Pat. 2,046,263. Production of Cellulose-Coated Pigment. June 30, 1936. Hydrolysis of an alkali salt of a cellulose monoester of a dicarboxylic acid in the presence of an aqueous suspension of stable solid material subdivided to pigment size.

Pat. 2,046,267. Pigments. June 30, 1936. Production of finely divided, amorphous, regenerated cellulose pigments by heating an alkaline aqueous solution of an alkali salt of a cellulose monoester of a dicarboxylic acid and a dye for cellulose which can be applied from alkaline solution to hydrolyze the monoester.

Pat. 2,058,418. Dyeing Process. Oct. 27, 1936. Dyeing and printing compositions comprising an ice color coupling component and a diazoimino compound from a mono or diaminoaryl compound and a heterocyclic imino compound containing a water-solubilising group.

Pat. 2,069,215. Printing Process and Composition Therefor. Feb. 2, 1937. Process of printing textile fibers with vat dyes by applying the dye to the fiber in the presence of an alkali-soluble salt of a branched-chain aliphatic carboxylic acid containing not less than 6 and not more than 12 carbon atoms.

Pat. 2,070,467. Printing Composition and Process. Feb. 9, 1937. Printing paste comprising a dispersion of a white, water-insoluble organic pigment which is an organic ether containing more than one closed chain connected by an ether linkage or S, Se, Te or NH analogues thereof, e. g., ethylene glycol di-β-naphthyl ether.

Pat. 2,074,031. Continuous Dyeing Process. Mar. 16, 1937. Cotton and regenerated cellulose are dyed by passing the material with a diazotisable amine through a diazotising bath at about 140° F. and then through a couple bath.

Pat. 2,078,388. Dyeing Process and Composition. Apr. 27, 1937. Composition comprising a coupling component and aryl—N=N—NR_1R_2, aryl—residue suitable for use in azo dyes, R_1—H, alkyl, hydroaryl, alkylol or hydroarylol and R_2—alkylol or hydroarylol or R_1 and R_2 together—tetramethylene or pentamethylene substituted by at least 1 OH group.

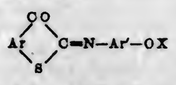
Pat. 2,079,788. Process and Composition for Printing Textile Fiber. May 11, 1937. Printing composition comprising a vat dye and a water soluble alcohol sulfate of 6–12 C atoms so arranged that the radical next to the sulfate group does not form a straight chain of more than 6 CH_2 groups.

Pat. 2,085,145. Vat Dye Compositions. June 29, 1937. Claims a non-aqueous dye composition comprising an intimate mixture of a water-insoluble metal leuco derivative of a vat dye and a water-soluble metal salt which yields an anion and which forms a salt with the metal of the leuco derivatives by double decomposition in the presence of water which is more insoluble than the metal leuco derivative, also claims coloring therewith.

Pat. 2,088,506. Process and Composition for Applying and Fixing Diazoimino Dyestuffs. July 27, 1937. Dye composition comprising a water-soluble diazoimino compound hydrolysable in acid solution, an ice color coupling component and a compound hydrolysable to acid at elevated temperature in the presence of water, but not readily hydrolysable at ordinary temperatures.

Pat. 2,093,402. Printing and Dyeing Compositions and Processes. Sept. 21, 1937. Process of impregnating organic fibers with a primary aryl nitrosamine or a primary aryl diazoimino compound and with an arylazo compound in stabilising medium and coupling the diazotised amine to the arylazo compound, the final dye being free from solubilising groups.

Pat. 2,094,597. Process for Dyeing Cellulose Esters and Ethers. Oct. 5, 1937. Dyeing cellulose ethers and esters comprising applying thereto



Ar—orthoarylene, Ar'—aryl, X—H or lower alkyl and Ar and Ar' are free from basic and solubilising substituents.

Pat. 2,097,754. Stencil Sheet. Nov. 2, 1937. Stencil sheet comprising an ink permeable base sheet coated with plasticiser and methyl methacrylate.

Pat. 2,107,159. Improved Coloring Material. Feb. 1, 1938. Producing water-insoluble pigment by mixing two aqueous solutions which react without oxidation to form the pigment, one solution containing a water soluble sulfate of an acetylated unsaturated normal primary alcohol of 12–18 C atoms, both solutions being free from emulsified oils.

Pat. 2,123,740. Coloration of Materials Comprising Cellulose Derivatives. July 12, 1938. Dyeing preparation for cellulose acetate dispersible in water comprising a substantially insoluble coloring compound and a surface active ammonium, sulfonium or phosphonium compound having an alkyl group of at least 6 C atoms in the positive ion thereof.

Pat. 2,138,572. Dyeing and Printing Compositions. Nov. 29, 1938. Method of preventing premature reaction in a composition containing an azo dye coupling component containing an active methylene group and a potentially reactive diazotised arylamine by adding urea, an ethanol amine and a base to render the composition non-acidic.

Pat. 2,147,635. Dyestuff Pastes and Process for Applying the Same. Feb. 21, 1939. Printing paste comprising the stable leuco derivative of an alkyl ether of Bz-2, Bz-2'-dihydroxydibenzanthrone, an alkyl or alkylol amine, and a reducing salt.

Pat. 2,164,930. Process for Reducing Vat Dyestuffs. July 4, 1939. Vat color preparation comprising a vat dye and formamidine sulfinic acid as the reducing agent.

Pat. 2,173,824. Composition for Printing Textile Fibers. Sept. 19, 1939. Printing composition containing a vat dye, benzyl alcohol, and at least one textile assistant selected from Turkey red oil and water-soluble sulfates of 6 to 12 C aliphatic alcohols.

Pat. 2,174,005. Vat Color Printing Paste. Sept. 26, 1939. Use of acetaldol in vat printing pastes.

Pat. 2,174,486. Textile Printing Pastes Containing Penetrating Agents and Processes of Printing Therewith. Sept. 26, 1939. Printing composition containing a penetrating agent, RXA, R—hydrocarbon or benzthiazole joined to X by an acyclic C atom, X—O or S, and A—organic or inorganic acidyl radical, and R or A may contain substituents.

Pat. 2,189,807. Washing of Discharged Prints. Feb. 13, 1940. Process for coloring a fabric with a water-soluble azo dye, discharging selected portions, and scouring with an aqueous alkaline solution of a long chain aliphatic hydrocarbon sulfate or a higher hydrocarbon substituted betaine derivative.

Pat. 2,200,069. Spirit Printing Inks and Process of Making Same. May 7, 1940. Spirit printing ink comprising a low boiling alcohol, a finely divided spirit insoluble pigment and an alkyl ether of cellulose.

Pat. 2,205,032. Dye Compositions. June 18, 1940. Printing fabric with a paste comprising a vat dye and $(R(OOC)_n—R—(COOM)_n$. R—aromatic hydrocarbon radical, n—1–3 and M—H or water soluble salt forming group.

Pat. 2,206,535. Stripping Dyed Textile. July 2, 1940. Textile material dyed with vat or azoic dyes are stripped with an aqueous bath of formamidine-sulfinic acid and alkali near the boiling point.

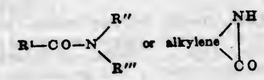
Pat. 2,210,461. Synthetic Resin Printing Ink. Aug. 6, 1940. A rotogravure printing ink containing as binder a resinous polymer of dihydronaphthalene or dihydroacenaphthene.

Pat. 2,225,604. Coloring Composition. Dec. 17, 1940. A coloring composition comprising a pigment of the group consisting of azo pigment dyes, acid dye metal salts, basic dye pigments and nitroso pigments dissolved in a normally liquid N-aliphatic substituted amide of a monocarboxylic aliphatic acid which amide is free of acidic substituents. Method of coloring leather, textile, textile fibers, and paper with the above coloring composition.

Pat. 2,228,033. Sympathetic Ink. Jan. 7, 1941. A sympathetic printing ink normally invisible when applied to paper consisting of a readily volatile alcohol taken from the group consisting of methyl and ethyl alcohols having dissolved therein sufficient alcohol soluble cellulose ether to render the ink of a viscosity suitable for printing purposes.

Pat. 2,274,544. Printing of Textile Fabrics. Feb. 24, 1942. Pastes of water-soluble condensation products of water-insoluble dye which contain, as assistants, mono-nitro-hydroxy saturated aliphatic hydrocarbons. The presence of the assistants causes the production of bright dyeings when the insoluble dye is reformed upon the fiber by the de-acylation of the water-soluble condensation product.

Pat. 2,290,945. Printing of Textile Fabrics. July 28, 1942. A hydrous printing paste comprising a water-soluble condensation product of an insoluble dye: R—M, R—a radical of an insoluble dye which contains at least one condensable group, e. g. OHR—NH, M—an acyl radical; and 1% of



R'—OH, CH_3, C_2H_5 or OH or Hl derivatives, R'' and R'''—H, alkyl, hydroxy alkyl or jointly—piperidine or morpholine.

Pat. 2,291,052. Printing Cellulose Acetate. July 28, 1942. Printing cellulose acetate with acid and direct dyes in an aqueous medium containing zinc thiocyanate and a hydrotropical agent, e. g. urea, thiourea, soluble metal salts of aliphatic sulfuric acids, aliphatic and aromatic sulfonic acids having up to 12 C atoms, of thioglycolic acids, and of dicarboxylic acid mono esters.

Pat. 2,294,246. Printing Paste for Textile Printing. Aug. 25, 1942. A hydrous printing paste containing a thickener, a water-soluble condensation product of a substantially insoluble dye, an alkaline buffer and an ester of ammono-hydroxy aliphatic carboxylic acid, e. g. ethylene glycol-mono-glycolic acid ester, ethylene glycol-diglycolic acid ester, glycerol-mono-glycolic acid ester.

Pat. 2,297,701. Process of Dyeing Animal Fibers. Oct. 6, 1942. Dyeing wool fiber with vat dyes by first treating the fiber in an aqueous bath containing a sulfur-containing vat-reducing agent but no added alkali and no vat color, heating the impregnated fiber, and then subjecting the same to vat dyeing in a bath containing the chosen vat color, alkaline agents and reducing agents.

Pat. 2,297,702. Process of Treating Animal Fibers. Oct. 6, 1942. Treating animal fiber whereby to increase its affinity for organic compounds which dissolve in water only after transformation into an OM-type compound wherein M stands for an alkali-metal, impregnating with a sulfur-containing vat-reducing agent and subjecting the fiber to heat at a temperature between 160 and 300° F.

Pat. 2,297,703. Process of Treating Animal Fibers. Oct. 6, 1942. Treating animal fiber whereby to increase its affinity for organic compounds which dissolve in water only after transformation into an OM-type compound, wherein M stands for an alkali-metal, by impregnating with a reagent selected from the group consisting of the water-soluble bisulfites and water-soluble hydrosulfites, and drying the fiber at a temperature not less than 160° F.

Pat. 2,298,147. Textile Printing Process. Oct. 6, 1942. Production of resist designs under vat color dyeings by printing with an emulsion containing wax and a hydrolysable aluminum salt, drying the printed fabric to obtain a temporary water repellency in the printed portions of the fabric, and then dyeing the printed fabric with a vat dye to provide a ground color.

Pat. 2,321,501. Printing Viscose Process Rayon With Acid and Direct Colors. June 8, 1943. A printing paste comprising a direct or acid color, a hydrous thickening agent and as an assistant, an alkali metal salt of benzyl- or a 1 to 12 C alkyl-thioglycolic acid.

Pat. 2,322,837. Printing Composition. June 29, 1943. A printing composition for printing textiles being an emulsion consisting essentially of an interpolymer of one of the group of compounds consisting of styrene, vinyl acetate, and esters of methacrylic acid with a drying oil in which the drying oil is present in an amount not greater than the other component, a solvent therefor being insoluble in water, an insoluble pigment, e. g., copper phthalocyanine, and water.

Pat. 2,335,905. Printing Composition for Fabrics and the Resulting Printed Fabric. Dec. 7, 1943. Composition for printing comprising water, a film-forming material, a sulfur color pigment being in its oxidised water-insoluble, non-substantive form and substantially free from sulfur and sulfides, and containing only minor amounts of inorganic salts.

Pat. 2,336,365. Textile Printing Process. Dec. 7, 1943. Printing cotton to obtain sharply registered colored designs comprising applying a permanent finishing and sizing agent and then printing with an alkaline type printing paste.

Pat. 2,343,781. Spirit Printing Composition. Mar. 7, 1944. A spirit printing ink comprising a solution of a basic dye and a powdered wood rosin in an oxygenated organic solvent.

Pat. 2,346,473. Dyeing of Wool With Nonmetallised Acid Colors. Apr. 11, 1944. Dyebath for dyeing wool comprising essentially a water solution of a nonmetallised acid wool dye and sufficient hydroxy-acetic acid to give the bath a pH value of about 3 to about 3.5.

Pat. 2,353,411. Textile Printing Composition. July 11, 1944. A printing composition for textile fabric, comprising a thickening agent, water, an unmetallised mordant-acid azo dye, a water-soluble compound of a metal whose atomic weight is not less than 52 and not greater than 64, and triethanolamine in quantity corresponding to between 5 and 15%.

Pat. 2,391,613. Process of Coloring Wood. Dec. 25, 1945. Process of coloring wood throughout interior portions thereof by immersing it in an alkaline solution not above a pH of 11.4 and containing a stabilised diazotised aryl amine and an azo pigment coupling component which is devoid of solubilising groups, heating to 63°–93° C., applying pressure, and thereafter impregnating the interior portions of the wood with an acid, until a colored substance is formed.

Pat. 2,369,696. Continuous Piece Goods Processing Machine. Feb. 20, 1945. Dyeing machine wherein loose folds of piece goods are fed continuously onto and taken off the reels.

Pat. 2,370,341. Pigmented Coating Compositions. Feb. 27, 1945. A pigmented protective coating composition comprising a red pigment, which is 6-chloro-2-amino-toluene→2-hydroxy-3-naphthoic acid anilide, and a non-volatile film-forming vehicle, such as (1) a drying oil and a thinner, (2) a lacquer resin and a volatile thinner, or (3) a lithograph varnish. These coatings have good light fastness, and non-bleeding and strength properties.

Pat. 2,377,709. Pigmenting Compositions for Textile Fabric. June 5, 1945. A textile pigmenting composition of increased uniformity comprising water; a water-insoluble organic pigment, e. g., a phthalocyanine pigment; a water-insoluble, heat-convertible partially-esterified starch forming a water-resistant film on drying; and a capillary active agent consisting at least mainly of ligninsulfonic acid or its water-soluble salts.

Pat. 2,415,379. Process for Dyeing Textile Fibers With Vat Dyes. Feb. 4, 1947. A process which comprises padding the fiber, which has been impregnated with unreduced dye in the pigment form, with a caustic alkali solution of a reducing agent under conditions which do not immediately reduce the vat color on the fiber, and then alternately subjecting the padded fiber to the action of steam and an alkali solution of a reducing agent, in the absence of air until substantially all the color has been reduced and fixed on the fiber.

Pat. 2,416,884. Methylated Methylolmelamine as a Fixing Agent for Dyed Cotton Textiles. Mar. 4, 1947. A process of treating cotton textile material, dyed with blue dye Color Index No. 406, by heating the dyed material with monomeric N,N',N''-tris-(methoxy-methyl) melamine.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 1, 1949

[VOL. 619. No. 1]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 521,919. MILLDEBURG TANNING CORPORATION, Philadelphia, Pa. Filed May 5, 1947.

Aristocrat

FOR SOLE LEATHER.
Claims use since January 1941.

Ser. No. 524,625. ST. REGIS PAPER COMPANY, New York, N. Y. Filed June 21, 1947.

PANELYTE

FOR RESINOUS PLASTIC MATERIALS IN THE FORM OF RODS, TUBES, SLABS, SLATS, PANELS, STRIPS, AND FRAMES, AND THERMOPLASTIC MATERIALS IN THE FORM OF SHEETS, STRIPS AND FILMS, ALL INTENDED FOR USE IN THE INDUSTRIAL ARTS AND FOR FURTHER MANUFACTURE.
Claims use since on or about May 1, 1923.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 463,933. ALBERT WILLIAM MOELLER, doing business as Loo Loo, Des Moines, Iowa. Filed Oct. 6, 1943.

Here Comes

LOO LOO

FOR CLEANER FOR REMOVING GREASE AND DIRT FROM THE SKIN AND CLOTHING, FOR CLEANING GLASS, WINDOWS, FLOORS, FURNITURE, WOODWORK, CARPETS, RUGS, AND SIMILAR ARTICLES OF MATERIAL.
Claims use since June 1940.

Ser. No. 517,668. RINSHED-MASON COMPANY, Detroit, Mich. Filed Feb. 17, 1947.

R-M

FOR (1) LIQUID CLEANER FOR LACQUERED OR ENAMEL SURFACES; (2) SYNTHETIC ENAMEL CLEANER; (3) CLEANING MATERIAL IN PASTE FORM FOR REMOVING GREASE SPOTS, WATER MARKS, INSECT STAINS FROM AUTOMOBILE BODIES; (4) CLEANING MATERIAL FOR REMOVING RUST AND FILM FROM CHROME FINISHES AND OTHER METAL SURFACES; (5) UPHOLSTERY CLEANER; (6) SYNTHETIC ENAMEL BUFFING LIQUID CONTAINING MILD SOFT ABRASIVE; (7) RUBBING COMPOUND FOR RUBBING SURFACES TO PRODUCE A BRIGHT LUSTROUS APPEARANCE; (8) POLISHING COMPOUND APPLICABLE TO ROTARY POLISHING WHEELS; (9) A PREPARATION FOR THE REMOVAL OF WAX AND OTHER FOREIGN SUBSTANCES PRELIMINARY TO REFINISHING THE SURFACE.
Claims use since February 1945 for the items 1 to 8 as listed above; and since February 1936 for the item number 9 listed above.

Ser. No. 522,563. ECONOMICS LABORATORY, INC., St. Paul, Minn. Filed May 17, 1947.

VITRESAN

FOR WATER SOLUBLE GLASS, OR WATERGLASS USED AS DETERGENTS.
Claims use since Aug. 1, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 490,728. WETHERHOLT'S PERFUME CO., Chicago, Ill. Filed Oct. 29, 1945.

PIGTAIL

PARADE

FOR PERFUME, COLOGNE, BUBBLE BATH COMPRISING LIQUID TO BE ADDED TO BATH WATER FOR FORMING BUBBLES AND POWDER MITT COMPRISING A POROUS BAG CONTAINING POWDER.
Claims use since Apr. 26, 1945.

Ser. No. 511,122. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 18, 1946.

Thera-Vita

Registration rights in the word "Vita" apart from the mark as shown, are disclaimed.
FOR A VITAMIN COMPOSITION.
Claims use since Apr. 30, 1946.

Ser. No. 514,606. INTERVINE & CO., INC., Weehawken, N. J. Filed Dec. 20, 1946.

inter*X

FOR A PREPARATION FOR THE TREATMENT OF DERMATOPHYTOSIS, ECZEMA, SIMPLE RINGWORM, AND COMMON SKIN CONDITIONS WHERE A FUNGICIDE IS INDICATED.
Claims use since Mar. 1, 1945.

Ser. No. 518,774. NATIONAL EQUIPMENT CO., INC., Indianapolis, Ind. Filed Mar. 10, 1947.

WORMSGALORE

FOR PREPARATION TO BE APPLIED TO SOIL TO BRING EARTHWORMS TO THE SURFACE.
Claims use since Jan. 8, 1947.

Ser. No. 521,693. JOSEPH W. SIMONEAU, doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua, N. H. Filed May 1, 1947.

Simoneau Terrifik

FOR PERFUME.
Claims use since Apr. 2, 1947.

Ser. No. 522,779. GEIGY COMPANY, INC., New York, N. Y. Filed May 21, 1947.

SIOGEN

FOR A MEDICAL PREPARATION IN THE FORM OF SOLUBLE POWDER FOR TREATMENT OF INFECTIONS OF THE MOUTH AND THROAT—NAMELY, STOMATITIS, GINGIVITIS, SORE THROAT, AND TONSILLITIS.
Claims use since Apr. 25, 1947.

Ser. No. 523,930. HAROLD W. TINKER, doing business as Tinker Products, Aurora, Ill. Filed June 10, 1947.

TI-LO

FOR ANTISEPTIC LOTION FOR EXTERNAL APPLICATION TO THE SKIN.
Claims use since Mar. 22, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 523,534. THE WM. POWELL COMPANY, Cincinnati, Ohio. Filed June 4, 1947.

MALGATE

FOR GATE VALVES AND GLOBE VALVES.
Claims use since May 1, 1937.

Ser. No. 523,535. THE WM. POWELL COMPANY, Cincinnati, Ohio. Filed June 4, 1947.

MALRENEW

FOR GATE VALVES AND GLOBE VALVES.
Claims use since June 1, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 523,422. R. E. C. SALES COMPANY, Hollywood, Calif., assignor to R E C Sales Company, Los Angeles, Calif., a partnership composed of Charles Epstein and Doris Pauly. Filed June 2, 1947.

Cinemasign

FOR ELECTRICALLY ILLUMINATED ADVERTISING SIGN HAVING INTERCHANGEABLE LETTERS AND NUMERALS.
Claims use since May 3, 1947.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 495,901. THE MAXIM GAMES CO., New York, N. Y. Filed Feb. 2, 1946.

TALLYIT

FOR GAME OF ARITHMETIC CARDS.
Claims use since Dec. 15, 1945.

Ser. No. 510,285. SUPER-CYCLONE, INC., Glendale, Calif. Filed Oct. 4, 1946.

SUPER Cyclone

The word "Super" is disclaimed separate and apart from the mark as shown.
FOR TOYS—NAMELY, MINIATURE AIRPLANE ENGINES, MINIATURE AIRPLANE PARTS, AND OTHER MINIATURE AIRPLANE MACHINERY; EQUIPMENT, AND ACCESSORIES.
Claims use since Jan. 10, 1940.

Ser. No. 520,772. CHARLES W. SCOTT, doing business as S. K. S. Products, Butte, Mont. Filed Apr. 15, 1947.

S. K. S.

FOR FISHING TACKLE—NAMELY, ARTIFICIAL FLIES, LURES, RODS, AND REELS.
Claims use since Mar. 5, 1946.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 505,740. ESTATE OF HAROLD L. DELISLE, doing business as Engineering Manufacturing Company, Sheboygan, Wis., assignor by court order and mesne assignments to Engineering Manufacturing Co., Sheboygan, Wis., a corporation of Wisconsin. Filed July 17, 1946.

The representation of a drawing board is disclaimed apart from the mark.
FOR PARALLEL RULERS, STRAIGHTEDGES, T-SQUARES, PARALLEL RULING ATTACHMENTS, CABLES FOR PARALLEL RULING ATTACHMENTS, DRAWING TABLES, TOOL TRAYS AND DRAWERS FOR DRAWING TABLES, DRAWING KITS, DRAFTING STOOLS, DRAFTING BENCHES, DRAFTING CHAIRS, BACK RESTS FOR DRAFTING STOOLS AND DRAFTING CHAIRS, DRAWING BOARDS, COMPASSES, AND DIVIDERS.
Claims use since April 1937.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 523,389. JOSEF L. KAROL, doing business as J. L. Karol Sheet Metal Co., Van Nuys, Calif. Filed June 2, 1947.

KAROL-AIR EVER-PULL

The name Karol is disclaimed apart from the mark as shown.
FOR AIR DRAFT VENTILATORS NOT POWER DRIVEN OR FAN OPERATED.
Claims use since Jan. 2, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 519,748. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Mar. 26, 1947.

FORESTER

FOR PNEUMATIC TIRES.
Claims use since Jan. 31, 1947.

CLASS 39

CLASS 46

Ser. No. 516,519. LOWA SEED COMPANY, Aroma Park, Ill. Filed Feb. 20, 1946; originally filed, act of 1905, Jan.

Ser. No. 529,054. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

CLASS 39

CLOTHING

Ser. No. 500,858. CARWOOD MANUFACTURING COMPANY, Winder, Ga. Filed Apr. 25, 1946.

HI-STEPPER

FOR MEN'S AND BOYS' OVERALLS.
Claims use since June 1, 1935.

Ser. No. 525,798. DIXIE SHIRT COMPANY, INC., Spartanburg, S. C. Filed July 3, 1947.

CSP

FOR OUTER SHIRTS.
Claims use since Oct. 1, 1946.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 492,326. F. LONGDON & COMPANY LIMITED, Derby, England. Filed Nov. 28, 1945.

ELINSTAR

FOR HERNIA TRUSSES; ELASTIC HOSIERY; ABDOMINAL BELTS USED FOR THERAPEUTIC PURPOSES; SUSPENSORY BANDAGES; JOCK STRAPS; AND SURGICAL BANDAGES INCORPORATING ELASTIC.
Claims use since 1918.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 521,854. CHOCOLATS DE LA COUPE D'OR, MAISON L. VELUT ROARD & COMPAGNIE, SOCIETE A RESPONSABILITE LIMITEE, Paris, France. Filed May 5, 1947.

A LA COUPE D'OR

FOR CANDIES, CHOCOLATE, GINGER BREAD, HONEY, CAKES, AND PASTRY.
Claims use since 1931.

Ser. No. 523,651. DU-BAL PACKING COMPANY, Salinas, Calif. Filed June 6, 1947.

Grand Duke

FOR FRESH LETTUCE.
Claims use since Oct. 25, 1943.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 493,970. ALEXANDER N. LEVIN, Chattanooga, Tenn. Filed Sept. 26, 1947; originally filed, act of 1905, Dec. 28, 1945. Under section 2f of the act of 1946.

SEALED TAG BRAND QUALITY SEEDS

No claim is made to the words "Brand, Quality Seeds" or to the representation of a tag apart from the mark as shown.
FOR GARDEN AND FIELD SEEDS.
Claims use since Sept. 15, 1940.

Ser. No. 498,447. A. F. PARMELEE, doing business as United States Safety Service Company, Kansas City, Mo. Filed Mar. 6, 1948; originally filed, act of 1905, Mar. 18, 1946.

OPTILITE

FOR TRANSPARENT AND TRANSLUCENT PLASTIC MATERIAL IN SHEET AND INGOT FORM CAPABLE OF BEING MOLDED IN THE PRESENCE OF HEAT.
Claims use since January 1946.

Ser. No. 513,966. CALIFORNIA NURSERY COMPANY, Niles, Calif. Filed Feb. 16, 1948; originally filed, act of 1905, Dec. 10, 1946. Under section 2f of the act of 1946.

ROEDING'S QUALITY

The word "Quality" is disclaimed.
FOR FRUIT TREES, ROSE PLANTS, AND ORNAMENTAL TREES AND PLANTS.
Claims use since Aug. 1, 1920.

Ser. No. 516,519. LOWE SEED COMPANY, Aroma Park, Ill. Filed Feb. 20, 1948; originally filed, act of 1905, Jan. 20, 1947.

FOR HYBRID SEED CORN.
Claims use since Mar. 10, 1937.

Ser. No. 521,300. WHITE BROS. ROSE CORP., Medina, N. Y. Filed June 23, 1948; originally filed, act of 1905, Apr. 24, 1947.

PIC-PAC

The syllable "Pac" is disclaimed apart from the mark shown.
FOR FRESH CUT FLOWERS.
Claims use since Mar. 20, 1947.

Ser. No. 527,188. FOUKE FUR COMPANY, St. Louis, Mo. Filed July 5, 1947.

MATARA

Applicant claims ownership of registration No. 373,769.
FOR FUR SKINS, HIDES, AND PELTS.
Claims use since Aug. 22, 1939.

Ser. No. 527,189. FOUKE FUR COMPANY, St. Louis, Mo. Filed July 5, 1947.

SAFARI

Applicant claims ownership of registrations Nos. 321,309 and 414,446.
FOR FUR SKINS, HIDES, AND PELTS.
Claims use since Aug. 16, 1934.

Ser. No. 528,597. HUBERT D. WILSON, doing business as Wilson Bulb Farms, Albany, Ga. Filed July 14, 1947. Under section 2f of the act of 1946.

WILSON'S MULTIFLORA LILLIES

The word "Lillies" is disclaimed apart from the mark shown.
FOR BULBS AND CUT FLOWERS.
Claims use since 1933.

Ser. No. 529,054. J. GREENEBAUM TANNING CO., Chicago, Ill. Filed July 21, 1947.

RITE-LEFT

BARKROM

Applicant disclaims the words "Rite-Left" except as shown in the mark. Applicant claims ownership of registrations Nos. 231,537 and 218,506.
FOR LEATHER FOR SHOE SOLES.
Claims use since July 1926.

Ser. No. 529,347. JOSEPH BANCROFT & SONS CO., Rockford, Wilmington, Del. Filed July 24, 1947.

BAN-RON

FOR COTTON AND RAYON FIBRES.
Claims use since Apr. 30, 1947.

Ser. No. 529,461. THE HARWID COMPANY, Boston, Mass. Filed July 25, 1947.

DURA-CLEAR

The word "Clear" is disclaimed.
FOR SYNTHETIC RESINOUS PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES IN THE ARTS.
Claims use since Mar. 1, 1947.

Ser. No. 540,799. DUSSI-WALLACE AND COMPANY, New York, N. Y. Filed Nov. 12, 1947.

DW

FOR PLASTIC MOLDING POWDERS; LIQUID PLASTIC COMPOUNDS AND DOUGHS READY FOR EXTRUSION AND CALENDERING; SHEETS, RODS, AND TUBES OF PLASTIC STOCK—NAMELY, RIGID AND SEMI-RIGID SHEETS, CONTINUOUS EXTRUSION RODS AND TUBING FOR FABRICATION INTO VARIOUS MANUFACTURED ARTICLES; AND SYNTHETIC RESIN.
Claims use since Apr. 25, 1947.

Ser. No. 541,260. CENTURY FABRICS COMPANY INC., Chicago, Ill. Filed Nov. 15, 1947.

DURA-LATEX

No claim is made to the word "Latex" apart from the mark as shown.
FOR SHREDDED FOAM RUBBER.
Claims use since Aug. 14, 1947.

Ser. No. 541,648. COURTAULDS, LIMITED, London, England, Filed Nov. 19, 1947.

FIBROLANE

Applicant claims ownership of British registration No. 641,261 dated Oct. 24, 1945.
FOR STAPLE FIBRE MANUFACTURED FROM CASEIN FOR USE IN THE MANUFACTURE OF TEXTILE YARNS OR THREADS.

Ser. No. 546,607. THE RELIANCE COAL AND COKE CO., Cincinnati, Ohio. Filed Jan. 9, 1948.

BATTLESHIP

Applicant claims ownership of registration No. 171,941.
FOR COAL.
Claims use since January 1915.

Ser. No. 546,695. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Jan. 10, 1948.

LO-OX

FOR STABILIZED ROSIN.
Claims use since May 15, 1947.

CLASS 2

RECEPTACLES

Ser. No. 523,672. HUMMEL AND DOWNING COMPANY, Milwaukee, Wis. Filed Aug. 15, 1947; originally filed, act of 1905, June 6, 1947.

HUM-DRUM

The word "Drum" is disclaimed apart from the mark as shown.
FOR FIBER BOARD CARTONS.
Claims use since May 2, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 554,720. D. A. SCHULTE, INC., New York, N. Y. Filed Apr. 15, 1948. Under section 2f of the act of 1946.

Leeds

FOR WALLETS.
Claims use since Mar. 28, 1938.

Ser. No. 558,217. CASTLE PURSES, New York, N. Y. Filed June 1, 1948.

doetelope

FOR WOMEN'S PURSES.
Claims use since Mar. 1, 1948.

Ser. No. 558,472. LOUIS S. DAVID CO., INC., New York, N. Y. Filed June 4, 1948.

Dalón

FOR LADIES' HANDBAGS AND PURSES.
Claims use since Feb. 1, 1945.

Ser. No. 558,990. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed June 11, 1948.

AUTOCRAT

Applicant claims ownership of registrations Nos. 335,030 and 427,504.
FOR WALLETS, BILL FOLDS, POCKETBOOKS, AND LADIES' HANDBAGS.
Claims use since June 7, 1948.

Ser. No. 559,198. E. J. WILKINS COMPANY, Gloversville, N. Y. Filed June 14, 1948.

Cal-Oak

FOR BILLFOLDS, POCKETBOOKS, AND KEY CASES.
Claims use since Apr. 1, 1947.

Ser. No. 559,507. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 534,348. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Sept. 12, 1947.

Applicant claims ownership of registrations Nos. 428,477, 428,478, and 428,699.
FOR SANDING KITS CONTAINING INDIVIDUAL CONTAINERS OF CEMENT AND ASSORTED GRADES OF ABRASIVE GRIT FOR PRODUCING SANDING BLOCKS.
Claims use since Dec. 13, 1945.

Ser. No. 534,353. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 12, 1947.

Applicant claims ownership of registrations Nos. 428,477, 428,478, and 428,699.
FOR SANDING KITS CONTAINING INDIVIDUAL CONTAINERS OF CEMENT AND ASSORTED GRADES OF ABRASIVE GRIT FOR PRODUCING SANDING BLOCKS.
Claims use since Dec. 13, 1945.

Ser. No. 540,954. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Nov. 12, 1947.

PORENAC

FOR DETERGENT COMPOUND FOR INDUSTRIAL AND HOUSEHOLD CLEANING.
Claims use since July 30, 1946.

Ser. No. 542,320. ANTONIO LOPEZ JIMENES, Almeria, Spain. Filed Nov. 25, 1947.

The drawing is lined for the color blue. Applicant claims ownership of Spanish registration No. 155,560 dated Feb. 9, 1946.
FOR SOAP.

Ser. No. 544,751. MORTON MANUFACTURING CORPORATION, doing business as Snow White Products Company, Lynchburg, Va. Filed Dec. 18, 1947. Under section 2f of the act of 1946.

SNOW WHITE

Applicant claims ownership of registration No. 417,276.
FOR TOILET SOAP.
Claims use since July 1, 1931.

Ser. No. 553,792. UNIVERSAL LABORATORIES, INC., East Orange, N. J. Filed Apr. 3, 1948.

Beauty in the Morning

Applicant claims ownership of registration No. 112,957.
FOR SOAPS.
Claims use since Mar. 22, 1948.

Ser. No. 555,533. JEWEL TEA CO., INC., Barrington, Ill. Filed Apr. 24, 1948.

METEOR

FOR DETERGENT, WHICH IS USED FOR WASHING DISHES, SMALL ITEMS OF CLOTHING, AND OTHER GENERAL HOUSEHOLD PURPOSES.
Claims use since Dec. 10, 1942.

Ser. No. 559,509. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,511. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,512. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,513. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,514. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,515. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,516. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,517. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,518. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 559,519. FRIEDMAN-LOEBL, INC., New York, N. Y. Filed June 17, 1948.

PENNY PINCHER

FOR LADIES' AND GIRLS' HANDBAGS AND PURSES, OF LEATHER, FABRIC, PLASTIC, AND COMBINATIONS THEREOF.
Claims use since Mar. 17, 1947.

Ser. No. 555,782. TAKAMINE LABORATORY, INC., Clifton, N. J. Filed Apr. 28, 1948.

TAKIMERSE

FOR PREPARATION FOR THE REMOVAL OF STAINS FROM FABRICS.
Claims use since Feb. 19, 1948.

Ser. No. 558,362. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed June 3, 1948.

METEOR

FOR HEAVY DEGREASING AND BOTTLE WASHING COMPOUND CONTAINING CAUSTIC SODA.
Claims use since Feb. 9, 1938.

Ser. No. 562,061. HYSAN PRODUCTS COMPANY, Chicago, Ill. Filed July 23, 1948.

Skroot

FOR CHEMICAL CLEANING FLUID FOR REMOVING SURFACE STAINS, RUST, INCRUSTATIONS, AND DISCOLORATIONS FROM TOILET BOWLS AND URINALS.
Claims use since Jan. 23, 1936.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 508,731. FREDDIE HAYES ISAACS, doing business as Mark Isaacs Co., Jacksonville, Fla. Filed Sept. 9, 1948; originally filed, act of 1905, Sept. 9, 1946.

TET-R-KIL

FOR PREPARATION USED IN THE TREATMENT OF MINOR SKIN IRRITATIONS.
Claims use since 1922.

Ser. No. 521,423. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Mar. 4, 1948; originally filed, act of 1905, Apr. 28, 1947.

DURIDINE

Applicant claims ownership of registrations Nos. 415,656 and 429,036.
FOR CHEMICAL PREPARATION OF ACIDIC REACTION APPLIED TO METALS IN SURFACE FINISHING PROCESSES.
Claims use since Mar. 29, 1946.

Ser. No. 524,077. PACIFIC CHEMICAL COMPANY, Los Angeles, Calif. Filed Dec. 18, 1947; originally filed, act of 1905, June 12, 1947.

QET

FOR SURFACE ACTIVE AGENT FOR ADDITION TO BLEACHING AND CLEANING PREPARATIONS FOR THE PURPOSE OF DECREASING SURFACE TENSION, INTERFACIAL TENSION, AND TO PROMOTE PENETRATION OF AQUEOUS SOLUTIONS.
Claims use since May 5, 1947.

Ser. No. 526,658. WALTER KIDDE & COMPANY, INC., Belleville, N. J. Filed July 5, 1947.

K Kidde

Applicant claims ownership of registration No. 334,376.
FOR CARBON DIOXIDE, OXYGEN, AND CHEMICAL PREPARATIONS USED IN THE TREATMENT OF FIBROUS MATERIALS.
Claims use since Dec. 1, 1941.

Ser. No. 529,649. A. C. HYND CORP., Tipp City, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

"Hairlife"

FOR LOTION FOR THE HAIR.
Claims use since 1922.

Ser. No. 529,650. A. C. HYND CORP., Tipp City, Ohio. Filed July 26, 1947. Under section 2f of the act of 1946.

"Hair She-en"

FOR LOTION FOR THE HAIR.
Claims use since 1922.

Ser. No. 531,791. GRIFFIN CHEMICAL COMPANY, San Francisco, Calif. Filed Aug. 19, 1947.

TREX

FOR EMULSIFIERS FOR INSECTICIDAL MATERIALS.
Claims use since Apr. 11, 1947.

Ser. No. 540,026. BONNE BELL, INC., Lakewood, Ohio. Filed Nov. 4, 1947.

DOUBLE FEATURE

FOR SHAMPOO IN CREAM FORM.
Claims use since Oct. 11, 1947.

Ser. No. 541,765. O-CEDAR CORP'N, Chicago, Ill. Filed July 24, 1947.

MOTH-AWAY

No claim is made to the word "Moth" as shown in the drawing apart from the mark. Applicant claims ownership of registration No. 387,954.
FOR INSECTICIDES.
Claims use since Mar. 4, 1940.

Ser. No. 541,949. MILES LABORATORIES, INC., Elkhart, Ind. Filed Nov. 21, 1947. Under section 2f of the act of 1946.

Alka-Seltzer

Applicant claims ownership of registrations Nos. 283,831, 342,743, and 373,801.
FOR ANTI-ACID EFFERVESCENT PREPARATIONS.
Claims use since Dec. 20, 1930.

Ser. No. 544,652. MADELEINE LABORATORIES, INC., Wilmington, Del. Filed Oct. 21, 1947.

Klirzol

FOR SKIN OINTMENT FOR PIMPLES, ACNE, ECZEMA, POISON IVY, PSORIASIS, AND SIMILAR SKIN AND SCALP AILMENTS.
Claims use since June 1, 1936.

Ser. No. 545,346. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Dec. 24, 1947.

Toots

Applicant claims ownership of registration No. 195,222.
FOR LEG MAKE-UP.
Claims use since Apr. 23, 1943.

Ser. No. 547,888. BENGUE INC., Union City, N. J. Filed Jan. 24, 1948. Under section 2f of the act of 1946.

Dr. Bengué

The mark is the name of Dr. Jules Bernard Bengué, now deceased. Applicant claims ownership of registration No. 66,633.
FOR MEDICINAL PREPARATION TO BE APPLIED EXTERNALLY FOR USE IN THE TREATMENT OF RHEUMATISM, MUSCULAR ACHES AND PAINS, NEURALGIA, MINOR BRONCHIAL IRRITATIONS, COUGHS AND THROAT IRRITATIONS DUE TO COLDS, BURNING, TIRED FEET AND BUNIONS, AND INSECT BITES AND STINGS.
Claims use since Jan. 4, 1933.

Ser. No. 548,425. STANDARD PHARMACEUTICAL CO., INC., New York, N. Y. Filed Jan. 30, 1948. Under section 2f of the act of 1946.

KOLA PEPS

Applicant claims ownership of registration No. 412,893.
FOR COLA TABLETS USED AS A TONIC AND COMPRISING COLA AND PEPSIN BUT CONTAINING NO ESSENTIAL OILS.
Claims use since Sept. 1, 1942.

Ser. No. 549,425. VIRGINIA M. DEWERTH, doing business as Calvital Company, Mt. Vernon, N. Y. Filed Feb. 11, 1948.

Cellulac

FOR A PHARMACEUTICAL PREPARATION TO PROVIDE A CORRECTIVE THERAPY FOR TRUE AND ALLEGED CONSTIPATION.
Claims use since Oct. 20, 1947.

Ser. No. 554,140. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed May 17, 1948. Under section 2f of the act of 1946.

Ser. No. 560,107. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 24, 1948. Under section 2f of

Ser. No. 550,173. SAN ANTONIO DRUG COMPANY, San Antonio, Tex. Filed Feb. 19, 1948.

SanAnco

Applicant claims ownership of registrations Nos. 93,911 and 104,577.
FOR MEDICINAL WHITE MINERAL OIL, RUBBING ALCOHOL, CITRATE OF MAGNESIA, DDT INSECTICIDES, AND EPSOM SALTS.
Claims use since Feb. 1, 1910.

Ser. No. 550,443. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Feb. 24, 1948.

HOMART

FOR GROUP A—WATER SOFTENER SALTS OF THE BASE EXCHANGE TYPE; GROUP B—DEODORANT AND SEWAGE DISPOSAL CHEMICALS, PIPE SOLVENT (CAUSTIC COMPOUND); GROUP C—AIR DRIERS (DEHUMIDIFYING COMPOUND), SOOT REMOVER (CHEMICAL); GROUP D—STOP LEAK COMPOUND, BOILER CLEANING COMPOUND.
Claims use on Group A since Jan. 15, 1946; on Group B since July 15, 1946; on Group C since Jan. 15, 1947; and on Group D since July 15, 1947.

Ser. No. 550,822. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Feb. 26, 1948.

DIATRINA

Applicant claims ownership of registration No. 336,147.
FOR ANTI-HISTAMINIC PREPARATIONS.
Claims use since Feb. 9, 1948.

Ser. No. 551,065. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 2, 1948.

Sidofolin

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES AND DISORDERS.
Claims use since Dec. 10, 1947.

Ser. No. 552,924. WILLIAM H. ROHRER, INC., Philadelphia, Pa. Filed Mar. 10, 1948. Under section 2f of the act of 1946, as to "Rorer."

CARFUSIN-RORER

Applicant claims ownership of registration No. 167,403.
FOR LIQUID PREPARATION FOR USE IN THE TREATMENT OF EPIDERMOPHYTOSIS.
Claims use since Feb. 2, 1948.

Ser. No. 553,567. AYERST, MCKENNA & HARRISON LIMITED, Rouses Point, N. Y. Filed Apr. 1, 1948.

LINGUSORBS

FOR TABLETS OF TESTOSTERONE FOR SUBLINGUAL OR BUCCAL CAVITY USES FOR THE PREVENTION OF TESTOSTERONE DEFICIENCY.
Claims use since Mar. 18, 1948.

Ser. No. 553,646. GEORGE D. STANLEY, Salisbury, Md. Filed Apr. 1, 1948.

BE-GONE

FOR ATHLETE'S FOOT OINTMENT.
Claims use since Feb. 12, 1948.

Ser. No. 553,669. BRAY CHEMICAL CO., Chicago, Ill., assignor to Mathieson Chemical Corporation, New York, N. Y., a corporation of Virginia. Filed Apr. 2, 1948.

BURRO

FOR CAUSTIC SODA.
Claims use since Jan. 21, 1948.

Ser. No. 553,779. MERVIN L. JORDAHL, doing business as Fluor-Amm-Ine Co., Minneapolis and Olivia, Minn. Filed Apr. 3, 1948.

Fluor-ammine

FOR DENTIFRICE.
Claims use since Mar. 10, 1948.

Ser. No. 553,935. WALLERSTEIN COMPANY, INC., New York, N. Y. Filed Apr. 5, 1948.

ZYMEX

FOR PREPARATIONS IN DRY POWDER FORM FOR USE IN THE PROCESSING OF TEXTILES, SPECIFICALLY FOR THE REMOVAL OF SIZINGS FROM TEXTILES.
Claims use since Mar. 26, 1948.

Ser. No. 554,149. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Apr. 8, 1948.

STARSO

FOR SILICATES OF SODA.
Claims use since Mar. 23, 1948.

Ser. No. 554,906. JOHN L. MICHAEL, INC., Flushing, N. Y. Filed Apr. 17, 1948.

TRU-VAL

FOR FACE POWDER, ROUGE, LIPSTICK, EYE SHADOW, AND MASCARA.
Claims use since Feb. 10, 1948.

Ser. No. 555,411. HOFFMANN-LA ROCHE INC., Nutley, N. J. Filed Apr. 23, 1948.

SOLUCYCLAN

FOR CHEMO-THERAPEUTIC AGENT FOR THE TREATMENT OF INTERNAL BACTERIAL INFECTIONS.
Claims use since Apr. 12, 1948.

Ser. No. 555,551. ANN MILLER, doing business as Line-No-Mor Co., New York, N. Y. Filed Apr. 24, 1948.

LINE-NO-MOR

FOR COSMETIC ASTRINGENT PREPARATION IN LIQUID FORM.
Claims use since Jan. 2, 1947.

Ser. No. 557,880. WELCH INDUSTRIES, INCORPORATED, Colorado Springs, Colo. Filed May 26, 1948.

Beaumonde

FOR HAND LOTION.
Claims use since July 15, 1947.

Ser. No. 559,995. CORTUNON CO., INC., New York, N. Y. Filed June 23, 1948.

REFRANON

FOR MEDICINAL PREPARATION FOR USE IN THE SYMPTOMATIC RELIEF OF BRONCHIAL ASTHMA AND HAY FEVER.
Claims use since June 2, 1948.

619 O. G.—3

Ser. No. 560,107. HAAS-MILLER CORPORATION, Philadelphia, Pa. Filed June 24, 1948. Under section 2f of the act of 1946.

STEELGARD

FOR OLEAGINOUS MATERIAL APPLIED STRAIGHT OR IN ADMIXTURE WITH WATER TO METAL SURFACES FOR PURPOSES OF PROTECTING METAL AGAINST RUSTING.
Claims use since Jan. 28, 1936.

Ser. No. 560,216. WALTER PIERSCHALSKI, doing business as Greenbrook Chemical Co., Manville, N. J. Filed June 25, 1948.

PETROLEO

FOR OINTMENT PREPARATIONS.
Claims use since June 10, 1948.

Ser. No. 560,293. ROBINSON-WAGNER CO. INC., New York, N. Y. Filed June 26, 1948.

STEROLAN

FOR CHOLESTEROL/LANOSTEROL.
Claims use since Mar. 22, 1948.

Ser. No. 560,417. LENTHERIC INCORPORATED, New York, N. Y. Filed June 29, 1948.

STEPPING OUT

FOR TOILET WATER AND TALCUM AND SACHET POWDERS.
Claims use since June 15, 1948.

CLASS 7
CORDAGE

Ser. No. 558,264. FRANK W. WINNE & SON, INC., Philadelphia, Pa. Filed June 1, 1948.

IRONCLAD

FOR SASH CORD, AWNING CORD, AND CLOTHESLINES.
Claims use since May 1926.

CLASS 8
SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Ser. No. 542,591. THE IMCO MANUFACTURING CORPORATION, New York, N. Y. Filed Nov. 28, 1947.

TOP-HAT

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS.
Claims use since July 3, 1947.

CLASS 9

Ser. No. 551,852. GORDON CALLESCK, Denver, Colo. Filed Mar. 13, 1948.

CLASS 12

Ser. No. 537,975. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Oct. 16, 1947. Under section 2f of the act of 1946. Applicant claims ownership of registration No. 265,597.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 554,221. FEDERAL CARTRIDGE CORPORATION, Minneapolis, Minn. Filed Apr. 9, 1948.

MONARK

FOR CARTRIDGES AND SHOTGUN SHELLS.
Claims use since Sept. 15, 1925.

CLASS 10

FERTILIZERS

Ser. No. 536,253. A. H. HOFFMAN, INC., Landisville, Pa. Filed Sept. 30, 1947. Under section 2f of the act of 1946.

Hoffman

FOR PLANT FOOD, BONE MEAL, DEHYDRATED MANURE, AGRICULTURAL LIME, AND PEAT MOSS USED AS A SOIL CONDITIONER.
Claims use since 1934.

Ser. No. 539,669. DANT & RUSSELL, INC., Portland, Oreg. Filed Oct. 31, 1947.

Flowerite

FOR EXPANDED PERLITE FOR USE AS A SOIL CONDITIONER.
Claims use since July 1947.

Ser. No. 551,253. EASTERN STATES FARMERS' EXCHANGE, West Springfield, Mass. Filed Mar. 5, 1948. Under section 2f of the act of 1946.

EASTERN STATES

Applicant claims ownership of registrations Nos. 186,714 and 326,035.
FOR FERTILIZERS.
Claims use since Aug. 1, 1923.

Ser. No. 551,852. GORDON CALLESCK, Denver, Colo. Filed Mar. 13, 1948.

BO-PEEP

FOR FERTILIZERS.
Claims use since Aug. 4, 1947.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 547,173. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948.

Electric Eradicator

FOR PRINTING INK.
Claims use since 1910.

Ser. No. 547,181. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

QUICKSET

FOR PRINTING INK.
Claims use since 1937.

Ser. No. 547,186. SUN CHEMICAL CORPORATION, New York, N. Y. Filed Jan. 15, 1948. Under section 2f of the act of 1946.

SUPERSET

FOR PRINTING INK.
Claims use since Apr. 5, 1939.

Ser. No. 552,194. F. S. WEBSTER COMPANY, Cambridge, Mass. Filed Mar. 17, 1948.

MULTI KOPY

Applicant claims ownership of registrations Nos. 29,776, 30,260, and 290,409.
FOR TYPEWRITER RIBBONS, DUPLICATING FLUID, AND METAL STAMP INK.
Claims use on metal stamp ink since 1900; on typewriter ribbons since Nov. 23, 1943; and on duplicating fluid since June 27, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 529,828. TASCO CORPORATION, doing business as Outside Venetian Blind Company, Dallas, Tex., assignor to J. E. Bush, Dallas, Tex., doing business as Outside Venetian Blind Company. Filed July 28, 1947. Under section 2f of the act of 1946.

CLEARVIEW

Applicant claims ownership of registration No. 374,385.
FOR METALLIC SHUTTERS—NAMELY, VENETIAN BLINDS MOUNTED EXTERNALLY ON OPENINGS OF BUILDINGS, SUCH AS WINDOWS, DOORS, AND PORCHES.
Claims use since June 1, 1938.

Ser. No. 534,692. THE CHAS. TAYLOR'S SONS COMPANY, Cincinnati, Ohio. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

TAYLOR ZIRCON

Applicant disclaims the term "Zircon," except in connection with the remaining portion of the mark. Applicant claims ownership of registrations Nos. 407,172 and 412,917.
FOR REFRACTORY CEMENTS, REFRACTORY RAMMING MIXES, REFRACTORY BRICKS, AND REFRACTORY BLOCKS.
Claims use since January 1934.

Ser. No. 537,459. THE KINNEAR MANUFACTURING COMPANY, Columbus, Ohio. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

KINNEAR

Applicant claims ownership of registration No. 181,024.
FOR ROLLING DOORS.
Claims use since December 1938.

Ser. No. 537,473. MULTIFLEX CONCRETE CO., INC., East Orange, N. J. Filed Oct. 10, 1947.

The mark is a blue streak of paint applied to the goods. The drawing is lined for the color blue.
FOR CONCRETE PRODUCTS—NAMELY, BLOCKS, BRICKS, AND TILES, MADE WITH CEMENT AND SAND, CINDERS, AND OTHER AGGREGATES.
Claims use since July 18, 1929.

Ser. No. 537,975. BOYLE-MIDWAY INC., Jersey City, N. J. Filed Oct. 16, 1947. Under section 2f of the act of 1946. Applicant claims ownership of registration No. 265,597.

WOOD DOUGH

FOR PLASTIC, SELF-HARDENING MATERIAL IN THE NATURE OF PUTTY AND COMPOSED OF GROUND WOOD AND AN ADHESIVE BINDER FOR REPAIRING WOOD OR FILLING RECESSES THEREIN AND SIMILAR PURPOSES.
Claims use since Sept. 18, 1928.

Ser. No. 538,182. HUBERT E. SCHMID, doing business as Tufcrete Company, Des Moines, Iowa. Filed Oct. 17, 1947.

Tufcrete

Applicant claims ownership of registration No. 408,956.
FOR BITUMINOUS EMULSION COMPOSITION FOR APPLICATION TO FLOORING AND SURFACING, EITHER ALONE OR WHEN MIXED WITH CEMENT, SAND, OR BOTH, OR OTHER INGREDIENTS.
Claims use since Sept. 13, 1940.

Ser. No. 539,087. HUBERT E. SCHMID, doing business as Tufcrete Company, Des Moines, Iowa. Filed Oct. 25, 1947.

Tufdense

FOR CLEAR LIQUID USED IN HARDENING CONCRETE.
Claims use since Aug. 23, 1944.

Ser. No. 541,862. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 20, 1947.

ALUMEX

FOR FIREBRICK.
Claims use since Jan. 31, 1931.

Ser. No. 541,945. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 21, 1947.

Ser. No. 553,277. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Mar. 29, 1948.

BOWLS AND FILTERS, STRAINERS, COVERS, AND HANDLES THEREFOR; COFFEE DISPENSERS; AND

Ser. No. 533,255. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

Ser. No. 541,945. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 21, 1947.

M-5

The drawing is lined for shading only.
FOR INSULATING FIREBRICK CEMENT.
Claims use since Aug. 19, 1938.

Ser. No. 544,167. IDEAL CEMENT COMPANY, Denver, Colo. Filed Dec. 12, 1947. Under section 2f of the act of 1946.

HANOVER

FOR GYPSUM PLASTER, IN VARIOUS FORMS—NAMELY, HAIR FIBERED, SISAL FIBERED, WOOD FIBERED, AND UNFIBERED, AND ON FINISHING PLASTER, GAUGING PLASTER, MOULDING PLASTER, INSULATING PLASTER, CASTING PLASTER, AND PLASTER OF PARIS.
Claims use since Oct. 25, 1916.

Ser. No. 545,292. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Dec. 23, 1947. Under section 2f of the act of 1946.

GLAZ-KALK

Applicant claims ownership of registration No. 306,825.
FOR CAULKING COMPOUNDS.
Claims use since July 7, 1932.

Ser. No. 551,923. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 13, 1948.

STRUCTOBOARD

FOR VEGETABLE FIBER HARD BOARD.
Claims use since November 1934.

Ser. No. 553,277. A. P. GREEN FIRE BRICK COMPANY, Mexico, Mo. Filed Mar. 29, 1948.

EMPIRE

FOR FIRE BRICK.
Claims use since 1910.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 520,688. ALBERT A. DURANT, Honolulu, Territory of Hawaii. Filed Oct. 20, 1947; originally filed, act of 1905, Apr. 15, 1947. Under section 2f of the act of 1946.

DURANT

FOR THERMALLY INSULATED METAL PIPE.
Claims use since Apr. 23, 1929.

Ser. No. 529,413. HOWARD SMITH CO., Houston, Tex. Filed July 24, 1947. Under section 2f of the act of 1946.

Stancliff

FOR WELL SCREENS.
Claims use since the fall of 1920.

Ser. No. 530,004. THE H. B. IVES COMPANY, New Haven, Conn. Filed July 30, 1947. Under section 2f of the act of 1946.

IVES

Applicant claims ownership of registration No. 68,206.
FOR CASEMENT WINDOW ADJUSTERS, WINDOW CATCHES, HAND RAIL BRACKETS, CUPBOARD AND TRANSOM CATCHES, DOOR CLOSERS, SASH FASTENERS, SASH CORD AND WEIGHT FASTENERS, CRANK HANDLES FOR CASEMENT WINDOW OPERATORS, EXTENSION HINGES, DOOR HOLDERS, COAT AND HAT HOOKS, WARDROBE HOOKS, DOOR KNOBS, DOOR KNOCKERS, SASH LIFTS, SASH PULL PLATES, DRAWER PULLS, SASH SOCKETS, AND DOOR STOPS.
Claims use since Jan. 1, 1901.

Ser. No. 534,090. CORY CORPORATION, Chicago, Ill. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

CORY

Applicant claims ownership of registration No. 331,919.
FOR COFFEE MAKING APPARATUS—VIZ., GLASS COFFEE BREWERS AND PARTS THEREOF, I. E. UPPER BOWLS AND HOLDERS THEREFOR; LOWER BOWLS AND FILTERS, STRAINERS, COVERS, AND HANDLES THEREFOR; COFFEE DISPENSERS; AND COFFEE TRAY SETS, I. E. COFFEE BREWERS, CREAMERS, SUGARS, AND TRAYS IN MATCHING SETS.
Claims use since May 20, 1934, on coffee making apparatus; since June 1936 on coffee dispensers; and since Apr. 1, 1938, on coffee tray sets.

Ser. No. 535,802. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

AQUA-CHROME

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since April 1933.

Ser. No. 535,808. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Sept. 26, 1947.

COSMETTE

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since December 1937.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 493,207. MULTICORE SOLDERS LIMITED, London, England. Filed June 29, 1948; originally filed, act of 1905, Dec. 13, 1945. Under section 2f of the act of 1946.

ERSIN Multicore THREE CORE SOLDER

The words "Three Core Solder" are disclaimed. Applicant claims ownership of British registration No. B. 638,615, dated July 13, 1945.
FOR SOLDERING METALS CONTAINING A CORE OR CORES OF FLUX.
Claims use since 1939.

Ser. No. 507,077. THE RIEHL GALLEY LOCK COMPANY, Cleveland, Ohio. Filed May 29, 1948; originally filed, act of 1905, Aug. 8, 1946. Under section 2f of the act of 1946.

"RIEHLOCK"

FOR PRINTERS' TYPE, GALLEY LOCKS, AND TYPE TIE-UPS.
Claims use since June 1, 1940.

Ser. No. 533,255. AMERICAN BRAKE SHOE COMPANY, New York, N. Y. Filed Sept. 4, 1947.

MACHINE-FACE

FOR COATED METAL WELDING RODS.
Claims use since June 5, 1947.

Ser. No. 537,108. VULCAN MOLD & IRON COMPANY, Latrobe, Pa. Filed Oct. 7, 1947.

V

FOR CAST IRON METAL MOLDS USED FOR CASTING FERROUS AND NON-FERROUS METALS AND CAST IRON METAL MOLD ACCESSORIES—NAMELY, CAST IRON STOOLS, CAST IRON INSERTS, AND CAST IRON PLUGS.
Claims use since Jan. 1, 1937.

Ser. No. 542,901. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Dec. 2, 1947. CERTIFICATION MARK.

METAL PROTECTED
ALODIZED
"Durability Certified"
ALODINE ANCHORS THE FINISH

All wording on the design, with the exception of the mark "Alodized" is disclaimed. Applicant claims ownership of registration No. 420,005.
FOR ALUMINUM AND ALUMINUM ALLOYS CHEMICALLY COATED AND WITH OR WITHOUT SUBSEQUENT APPLICATION OF SICCATIVE COATING.
Claims use since Oct. 22, 1947.

Ser. No. 555,646. AMERICAN CAR AND FOUNDRY COMPANY, New York, N. Y. Filed Apr. 27, 1948.

RESISTO

Applicant claims ownership of registrations Nos. 206,185 and 439,727.
FOR METAL CASTINGS.
Claims use since Dec. 1, 1924.

Ser. No. 557,781. SHOPNER IRON AND STEEL WORKS, Portland, Oreg. Filed May 25, 1948.

Ser. No. 543,492. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

Ser. No. 550,585. CLOVER TOBACCO CO., INC., Irvington, N. Y. Filed Feb. 26, 1948.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 557,781. SHOFNER IRON AND STEEL WORKS, Portland, Oreg. Filed May 25, 1948.

A-F-E

FOR FERROUS ALLOY METALS.
Claims use since Aug. 15, 1947.

Ser. No. 558,019. HUNTER DOUGLAS CORPORATION, New York, N. Y., assignor to Hunter Douglas Corporation, New York, N. Y., a corporation of New York. Filed May 28, 1948.

PERMALUME

FOR METAL STOCK IN BOTH COIL AND FLAT FORM FROM WHICH VENETIAN BLIND SLATS ARE MADE.
Claims use since May 4, 1948.

CLASS 17
TOBACCO PRODUCTS

Ser. No. 536,924. P. LORILLARD COMPANY, New York, N. Y. Filed Oct. 6, 1947.

HEADLINE

The drawing is lined for the color gold.
FOR CIGARS.
Claims use since 1890.

Ser. No. 543,488. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

LA ARMELINA

FOR CIGARS.
Claims use since 1893.

Ser. No. 543,489. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

LA JUANOS

FOR CIGARS.
Claims use since Dec. 28, 1901.

Ser. No. 543,492. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

METROPOLITAN

FOR CIGARS.
Claims use since 1866.

Ser. No. 543,493. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

PIRAMIDO

FOR CIGARS.
Claims use since Jan. 13, 1900.

Ser. No. 543,494. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

Rodena

FOR CIGARS.
Claims use since January 1904.

Ser. No. 543,496. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

Roymont

FOR CIGARS.
Claims use since Feb. 6, 1911.

Ser. No. 543,499. I. LEWIS CIGAR MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 5, 1947.

SUBWAY

FOR CIGARS.
Claims use since Apr. 4, 1904.

Ser. No. 550,482. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky. Filed Feb. 25, 1948.

Sincere

FOR CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since Feb. 6, 1948.

Ser. No. 550,585. CLOVER TOBACCO CO., INC., Irvington, N. Y. Filed Feb. 26, 1948.

PETS

FOR LITTLE CIGARS.
Claims use since Sept. 17, 1947.

Ser. No. 550,717. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

ENGLISH OVALS

Applicant claims ownership of registration No. 362,107.
FOR CIGARETTES.
Claims use since Mar. 30, 1918.

Ser. No. 550,718. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

FLEETWOOD

Applicant claims ownership of registrations Nos. 353,420 and 428,033.
FOR CIGARETTES.
Claims use since Nov. 12, 1936.

Ser. No. 550,719. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

IVORY TIPPED

The drawing is lined for the color red. Applicant claims ownership of registration No. 301,470.
FOR CIGARETTES.
Claims use since Feb. 15, 1930.

Ser. No. 550,720. PHILIP MORRIS & CO. LTD. INCORPORATED, New York, N. Y. Filed Feb. 27, 1948. Under section 2f of the act of 1946.

LYON'S OWN

Applicant claims ownership of registration No. 404,859.
FOR SMOKING TOBACCO.
Claims use since Mar. 15, 1941.

CLASS 20
LINOLEUM AND OILED CLOTH

Ser. No. 528,448. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed July 12, 1947.

WINGFOOT

FOR RUBBER FLOOR COVERINGS.
Claims use since January 1934.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 495,989. THE RICHARDSON COMPANY, Lockland, Cincinnati, Ohio. Filed Nov. 22, 1947; originally filed, act of 1905, Feb. 4, 1946.

PLASTOK

FOR MOLDED STORAGE BATTERY BOXES OF BITUMEN AND FILLER MATERIALS.
Claims use since Jan. 16, 1946.

Ser. No. 499,487. DURO-TEST CORPORATION, North Bergen, N. J. Filed Oct. 28, 1947; originally filed, act of 1905, Apr. 2, 1946.

DURO TEST
U-LINE

The word "Test" and the phrase "U-Line" are disclaimed apart from the mark shown.
FOR FLUORESCENT LAMPS.
Claims use since Mar. 22, 1946.

Ser. No. 510,855. MCGILL MANUFACTURING COMPANY, INC., Valparaiso, Ind. Filed Aug. 28, 1947; originally filed, act of 1905, Oct. 14, 1946. Under section 2f of the act of 1946.

GRIPON

FOR ELECTRIC LAMP GUARD.
Claims use since Mar. 10, 1920.

Ser. No. 521,911. LITECRAFT MANUFACTURING COMPANY, Newark, N. J. Filed Dec. 15, 1947; originally filed, act of 1905, May 5, 1947.

Hi Hats

FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Sept. 23, 1946.

Ser. No. 529,181. LINCOLN RADIO AND TELEVISION COR-

Ser. No. 540,333. STEVENS PRODUCTS, INC., East Orange,

Ser. No. 533,640. THE SUN RUBBER COMPANY, Barberton,

Ser. No. 541,224. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Nov. 14, 1947.

Ser. No. 529,181. LINCOLN RADIO AND TELEVISION CORPORATION, Chicago, Ill. Filed July 22, 1947. Under section 2f of the act of 1946.

LINCOLN

Applicant claims ownership of registration No. 171,959.
FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since June 15, 1922.

Ser. No. 530,256. RUSSELL ELECTRIC COMPANY, Chicago, Ill. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

HOLD-HEET

Applicant claims ownership of registrations Nos. 184,452 and 187,465.
FOR ELECTRICALLY OPERATED GLUE POTS AND ELECTRIC HEATING ELEMENTS.
Claims use since September 1913.

Ser. No. 535,032. ARTHUR G. GRILLEY, doing business as Highway Battery Co., Camden, N. J. Filed Sept. 19, 1947.

HIGHWAY

FOR STORAGE BATTERIES.
Claims use since Aug. 6, 1947.

Ser. No. 538,328. WESIX ELECTRIC HEATER CO., San Francisco, Calif. Filed Oct. 18, 1947. Under section 2f of the act of 1946.

Wiredheat

Applicant claims ownership of registration No. 287,414.
FOR ELECTRIC SPACE HEATERS—NAMELY, INDIVIDUAL ROOM HEATERS.
Claims use since June 17, 1929.

Ser. No. 539,258. BENDIX AVIATION CORPORATION, Detroit, Mich., and Teterboro, N. J. Filed Oct. 28, 1947.

CHRONOTRON

FOR THERMAL TIME DELAY TUBES OF THE TEMPERATURE RESISTANCE TYPE.
Claims use since Feb. 11, 1947.

Ser. No. 540,333. STEVENS PRODUCTS, INC., East Orange, N. J. Filed Nov. 6, 1947.

HY/LOW

FOR CONE DIAPHRAGM FOR RADIO LOUD SPEAKER.
Claims use since May 5, 1947.

Ser. No. 543,347. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Filed Dec. 4, 1947. Under section 2f of the act of 1946.

THERMO-WATT

FOR ELECTRIC WATER HEATERS.
Claims use since Mar. 15, 1938.

Ser. No. 544,284. JOHN A. ROEBLING'S SONS COMPANY, Trenton, N. J. Filed Dec. 13, 1947.

ROEGLAS

FOR MAGNET WIRE.
Claims use since Nov. 1, 1938.

Ser. No. 544,728. THE HALLICRAFTERS CO., Chicago, Ill. Filed Dec. 18, 1947.

SKYRIDER DEFIANT

Applicant claims ownership of registrations Nos. 322,050 and 429,813.
FOR RADIO RECEIVING SETS.
Claims use since July 11, 1939.

Ser. No. 544,731. THE HALLICRAFTERS CO., Chicago, Ill. Filed Dec. 18, 1947.

SUPER DEFIANT

FOR RADIO RECEIVING SETS.
Claims use since Jan. 16, 1940.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 519,138. ROBERT J. ROBERTS, doing business as Bob Roberts, Gary, Ind. Filed Nov. 14, 1947; originally filed, act of 1905, Mar. 17, 1947.

Roberts

The mark is distinctively displayed as a facsimile of the surname portion of applicant's signature.
FOR PROPELLERS FOR TOY POWER DRIVEN AIRPLANES.
Claims use since July 1938.

Ser. No. 533,640. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed Sept. 5, 1947.

RED-ARROW

FOR ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, BASKETBALLS, SOCCER BALLS, AND WATER POLO BALLS.
Claims use since Feb. 5, 1946.

Ser. No. 533,641. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed Sept. 5, 1947.

BLUE-ARROW

FOR ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, BASKETBALLS, SOCCER BALLS, AND WATER POLO BALLS.
Claims use since Feb. 5, 1946.

Ser. No. 533,642. THE SUN RUBBER COMPANY, Barberton, Ohio. Filed Sept. 5, 1947.

Gold arrow

FOR ATHLETIC BALLS, I. E., FOOTBALLS, VOLLEY BALLS, SOCCER BALLS, AND WATER POLO BALLS.
Claims use since Feb. 5, 1946.

Ser. No. 540,234. ALBANY BILLIARD BALL COMPANY, Albany, N. Y. Filed Nov. 6, 1947.

RESINITE

Applicant claims ownership of registration No. 278,392.
FOR BILLIARD BALLS.
Claims use since July 30, 1930.

Ser. No. 540,236. ALBANY BILLIARD BALL COMPANY, Albany, N. Y. Filed Nov. 6, 1947.

CRYSTALATE

Applicant claims ownership of registration No. 278,393.
FOR BILLIARD BALLS.
Claims use since July 30, 1930.

Ser. No. 541,040. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Nov. 13, 1947.

FAST PLAY

FOR BADMINTON RACKETS, SQUASH RACKETS, TENNIS RACKETS, TABLE TENNIS BATS, BASKETBALLS, SOCCER BALLS, FOOTBALLS, VOLLEY BALLS, AND BASEBALL GLOVES.
Claims use since 1937.

Ser. No. 541,224. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Nov. 14, 1947.

VOGUE

Applicant claims ownership of registration No. 155,183.
FOR PLAYING CARDS.
Claims use since 1909.

Ser. No. 542,305. FRABILL MANUFACTURING COMPANY, Milwaukee, Wis. Filed Nov. 25, 1947.

Bob'em

The word "Bob" is disclaimed apart from the mark as shown.
FOR FISHING BOBS.
Claims use since May 25, 1946.

Ser. No. 548,652. THE H. & D. FOLSOM ARMS CO. INC., New York, N. Y. Filed Feb. 3, 1948.

"OLD BRINY"

Applicant claims ownership of registration No. 348,585.
FOR FISHING LINES.
Claims use since 1934.

Ser. No. 548,810. EXHIBIT SUPPLY COMPANY, Chicago, Ill. Filed Feb. 5, 1948.

BUILD-UP

FOR COIN-CONTROLLED AMUSEMENT APPARATUS.
Claims use since Dec. 31, 1947.

Ser. No. 549,043. FRED ARBOGAST AND COMPANY, INC., Akron, Ohio. Filed Feb. 7, 1948.

SPUTTERFUSS

FOR ARTIFICIAL BAIT.
Claims use since Mar. 1, 1946.

Ser. No. 549,044. FRED ARBOGAST AND COMPANY, INC., Akron, Ohio. Filed Feb. 7, 1948.

TIN LIZ

FOR ARTIFICIAL BAIT.
Claims use since Feb. 1, 1932.

Ser. No. 549,937. KINGSWAY, INC., Chicago, Ill. Filed

Ser. No. 531,876. AIRCRAFT & DIESEL EQUIPMENT COR-

CLASS 27

CLASS 28

Ser. No. 549,937. KINGSWAY, INC., Chicago, Ill. Filed Feb. 17, 1948.

KINGSWAY FLORENTINE

FOR PIECES OF A CHESS GAME.
Claims use since Sept. 29, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 518,773. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn. Filed July 24, 1947; originally filed, act of 1905, Mar. 10, 1947.

The Bale-O-Matic

No claim is made to the words "The Bale" apart from the mark.
FOR HAY BALERS.
Claims use since Feb. 24, 1947.

Ser. No. 528,432. CROMPTON & KNOWLES LOOM WORKS, Worcester, Mass. Filed July 12, 1947.

S-6

The drawing is lined to represent the colors red, gold, and black.
FOR LOOMS AND PARTS THEREOF, USED IN WEAVING TEXTILE FABRICS.
Claims use since Nov. 8, 1946.

Ser. No. 528,433. CROMPTON & KNOWLES LOOM WORKS, Worcester, Mass. Filed July 12, 1947.

W-2

The drawing is lined to represent the colors red, gold, and black.
FOR LOOMS AND PARTS THEREOF, USED IN WEAVING TEXTILE FABRICS.
Claims use since Nov. 28, 1930.

Ser. No. 531,717. RALPHS-PUGH COMPANY, INC., San Francisco, Calif. Filed Aug. 18, 1947.

BELTMASTER

FOR MACHINES FOR HOLDING, MOVING, LIFTING, MEASURING, CUTTING, AND SLITTING SHEET MATERIAL; PARTS FOR SUCH MACHINES, COLLAPSIBLE CORES FOR HANDLING ROLLS OF SHEET MATERIAL AND PARTS THEREFOR.
Claims use since Mar. 1, 1947.

Ser. No. 531,876. AIRCRAFT & DIESEL EQUIPMENT CORPORATION, Chicago, Ill. Filed Aug. 20, 1947.

ADECO

Applicant claims ownership of registration No. 389,089.
FOR DIESEL ENGINE EQUIPMENT—NAMELY, FUEL PUMPS, INJECTORS, VALVES, AND NOZZLES.
Claims use since Aug. 15, 1940.

Ser. No. 532,768. UARCO INCORPORATED, Chicago, Ill. Filed Aug. 28, 1947.

CONFORMULATOR

FOR MACHINE FOR FEEDING STATIONERY THROUGH AN ADDRESSING MACHINE.
Claims use since June 1935.

Ser. No. 533,047. PERFECTION GEAR COMPANY, Harvey, Ill. Filed Sept. 2, 1947. Under section 2f of the act of 1946.

PERFECTION

Applicant claims ownership of registrations Nos. 216,221, 157,625, and 231,624.
FOR RING GEARS AND PINIONS, PRESSURE PLATES, TIMING CHAINS, TRANSMISSION GEARS, CLUTCH COVER PARTS, CLUTCH PLATES, AND TIMING GEARS.
Claims use since October 1923.

Ser. No. 534,717. ALLIS-CHALMERS MANUFACTURING COMPANY, Milwaukee, Wis. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

ALL-CROP

FOR AGRICULTURAL MACHINES—NAMELY, HARVESTERS.
Claims use since Nov. 25, 1935.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 538,478. WASHINGTON MISSIONARY COLLEGE, Tacoma Park, Md. Filed Oct. 20, 1947.

PLYMOUTH

FOR FOLDING IRONING BOARD.
Claims use since Mar. 1, 1933.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 504,361. GEORG JENSEN INC., New York, N. Y. Filed Dec. 19, 1947; originally filed, act of 1905, June 21, 1946.

The mark consists of the combination of the representation of a fanciful crown surmounting the letters or initials "GJ" in duplicate, so arranged that both letters "G" are the outermost in the lower part of the combination, one pair of said initials "GJ" reading in reverse order as shown in the drawing. Applicant claims ownership of registrations Nos. 384,539 and 384,540.
FOR CLOCKS, WATCHES, AND WATCHES AND ATTACHED WATCH BRACELETS SOLD AS A SINGLE UNIT.
Claims use since June 1940.

Ser. No. 537,957. VULCAIN WATCH COMPANY, INC., New York, N. Y. Filed Oct. 15, 1947.

APPOINTMENT

FOR WATCHES.
Claims use since Sept. 30, 1947.

Ser. No. 552,142. GRANAT BROS., INC., San Francisco, Calif. Filed Mar. 17, 1948.

Neptune

Applicant claims ownership of registration No. 337,336.
FOR WATCHES.
Claims use since Nov. 2, 1939.

Ser. No. 552,369. R. H. MACY & CO., INC., New York, N. Y. Filed Dec. 24, 1947.

LA FORGE

Applicant claims ownership of registration No. 288,524.
FOR WATCHES.
Claims use since June 24, 1930.

Ser. No. 553,124. PIERRE NICOLET, Tramelan, Switzerland. Filed Mar. 26, 1948.

FORMIDA

Applicant claims ownership of Swiss registration No. 107,290, dated May 5, 1944.
FOR WATCHES AND PARTS OF WATCHES.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 516,717. OVAL MANUFACTURING COMPANY, INC., New York, N. Y. Filed Dec. 12, 1947; originally filed, act of 1905, Jan. 31, 1947.

PARKLANE

FOR JEWELRY NOT INCLUDING WATCHES—NAMELY, CUFF LINKS, TIE HOLDERS, COLLAR HOLDERS, SHIRT STUDS, FINGER RINGS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, COLLAR BUTTONS, AND KEY CHAINS.
Claims use since August 1929.

Ser. No. 517,748. STANDARD COMPANY, INC., Fall River, Mass. Filed Mar. 12, 1948; originally filed, act of 1905, Feb. 18, 1947.

Stanco

FOR EXPANSION WATCH BANDS MADE OF PRECIOUS METAL (NOT INCLUDING WATCHES).
Claims use since Oct. 9, 1946.

Ser. No. 523,985. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Mar. 31, 1948; originally filed, act of 1905, June 11, 1947.

CHAUMONT

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1946.

Ser. No. 524,002. ONEIDA LTD., Sherrill and Oneida, N. Y. Filed Mar. 31, 1948; originally filed, act of 1905, June 11, 1947.

NUART

FOR SILVERPLATED FLAT TABLEWARE.
Claims use since 1929.

Ser. No. 535,108. THE R. WALLACE & SONS MANFG. CO., Wallingford, Conn. Filed Sept. 19, 1947. Under section 2f of the act of 1946.

R.WALLACE

Applicant claims ownership of registrations Nos. 143,877, 180,256, 191,403, and 30,691 (renewed).
FOR SILVER-PLATED FLATWARE AND HOLLOW WARE—NAMELY, KNIVES, FORKS, SPOONS, LADLES, TONGS, SERVERS, TRAYS, SHEARS, BOTTLE-OPENERS, NUTCRACKERS, SALAD SETS, DISHES, TEA AND COFFEE SETS, WAITERS, MEAT-DISHES, PITCHERS, BOWLS, PLATES, CUPS, SAUCERS, AND URNS.
Claims use since June 1918.

CLASS 32

OF, STEAM OR HOT WATER HEATING SYSTEMS AND TRAPS, FLASH TANKS, AND AIR ELIMINATORS

Ser. No. 537,899. L. & B. JEWELRY MANUFACTURING COMPANY, Providence, R. I. Filed Oct. 15, 1947.

L'Aiglon

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, WATCH BRACELETS.
Claims use since June 1, 1940.

Ser. No. 537,927. L. & C. MAYERS CO., INC., New York, N. Y. Filed Oct. 15, 1947.

Lyceum

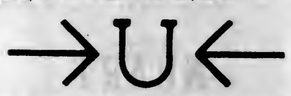
Applicant claims ownership of registrations Nos. 252,672 and 252,527.
FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, BELT BUCKLES, CUFF LINKS, AND TIE SLIDES.
Claims use since Feb. 1, 1928.

Ser. No. 542,015. DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif. Filed Nov. 22, 1947.

DOHRCO

FOR SILVER-PLATED FLATWARE—NAMELY, DINNER KNIVES, DESSERT KNIVES, BUTTER KNIVES, DINNER FORKS, DESSERT FORKS, SALAD FORKS, OYSTER FORKS, TABLESPOONS, TEASPOONS, COFFEE SPOONS, SOUP SPOONS, BOUILLON SPOONS, DESSERT SPOONS, SUGAR SPOONS, SERVING SPOONS, SODA SPOONS, SUGAR TONGS, SOUP LADLES, GRAVY LADLES, PUNCH LADLES, AND CRUSHED FRUIT LADLES.
Claims use since 1928.

Ser. No. 545,052. UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Dec. 20, 1947.



Applicant claims ownership of registration No. 134,110.
FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, EARRINGS, AND BARRETTES.
Claims use since Aug. 1, 1919.

Ser. No. 545,053. UNCAS MANUFACTURING COMPANY, Providence, R. I. Filed Dec. 20, 1947.

Applicant claims ownership of registrations Nos. 134,110 and 156,769.
FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, BROOCHES, EARRINGS, AND BARRETTES.
Claims use since January 1920.

Ser. No. 547,548. HICKOK MANUFACTURING CO. INC., Rochester, N. Y. Filed Jan. 20, 1948.

The lining on the drawing indicates the background of the crest or shield and does not represent color. Applicant claims ownership of registration No. 276,894.
FOR BUCKLES AND SLIDES MADE OF OR PLATED OR COATED WITH PRECIOUS METAL FOR USE WITH WEARING APPAREL BELTS.
Claims use since Aug. 1, 1928.

Ser. No. 550,815. SHIRLEY MARKS, New York, N. Y. Filed Feb. 28, 1948.

SALON D'OR

FOR NON-PRECIOUS COSTUME JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Feb. 2, 1947.

Ser. No. 551,759. HARRY S. BICK & SON, New York, N. Y. Filed Mar. 12, 1948.

BICKSON

FOR LADIES' JEWELRY, SPECIFICALLY BRACELETS, BROOCHES, EARRINGS, NECKLACES, AND CHATELAINE PINS.
Claims use since Jan. 12, 1948.

Ser. No. 551,786. FELCH-ANDERSON CO., Providence, R. I. Filed Mar. 12, 1948.

STRAPEZE

FOR SHOE BUCKLES PLATED WITH PRECIOUS METALS.
Claims use since Jan. 23, 1948.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 506,409. WHITING-ADAMS COMPANY, INC., Boston, Mass. Filed Sept. 13, 1947; originally filed, act of 1905, July 27, 1946.

TOP NOTCH

FOR BRUSHES FOR PAINTING, VARNISHING, OR APPLYING VARIOUS LIQUIDS AND FOR CLEANING, POLISHING, AND SWEEPING.
Claims use since Jan. 1, 1895.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 545,557. CARLTON B. STRINGFELLOW, doing business as Covercraft Company, Goshen, Ind. Filed Dec. 26, 1947.

"Coverteers"

FOR SLIP COVERS.
Claims use since October 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 474,550. PAN-AMERICAN ENTERPRISES, INC., New York, N. Y. Filed Dec. 19, 1947; originally filed, act of 1905, Sept. 23, 1944. Under section 2f of the act of 1946.

SUPERFLAME

Applicant claims ownership of registration No. 340,222.
FOR OIL STOVES.
Claims use since October 1934.

Ser. No. 521,157. SOUTHERN STOVE WORKS, INC., Richmond, Va. Filed Dec. 16, 1947; originally filed, act of 1905, Apr. 22, 1947.

Kitchen Chief

No claim is made to the word "Kitchen" apart from the mark.
FOR COOKING RANGES FOR GAS, OIL, COAL, AND WOOD.
Claims use since Feb. 6, 1947.

Ser. No. 527,701. JACKES-EVANS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

SAFLUES

FOR STOVE PIPE CONNECTOR.
Claims use since Dec. 6, 1938.

Ser. No. 528,264. C. A. DUNHAM COMPANY, Chicago, Ill. Filed July 10, 1947. Under section 2f of the act of 1946.

DUNHAM

Applicant claims ownership of registrations Nos. 127,926 and 201,039.
FOR STEAM HEATING APPARATUS COMPRISING CONTROL EQUIPMENT, VALVES, STRAINERS, PUMPS, UNIT HEATERS, CONVECTORS, FITTINGS, HEATING ELEMENTS, AND AIR CONDITIONERS, ALL FOR USE IN CONNECTION WITH, OR FORMING PART OF, STEAM OR HOT WATER HEATING SYSTEMS AND TRAPS, FLASH TANKS, AND AIR ELIMINATORS ALL FOR USE IN CONNECTION WITH, OR FORMING PART OF, STEAM HEATING SYSTEMS.
Claims use on traps and valves since Aug. 12, 1918; on air eliminators since 1919; on strainers since 1923; on fittings since 1925; on pumps since 1938; on control equipment since 1929; on convectors since 1930; on flash tanks since 1932; on unit heaters and heating elements since 1934; and on air conditioners since 1941.

Ser. No. 544,198. RHEEM MANUFACTURING COMPANY, New York, N. Y. Filed Dec. 12, 1947.

Butaflame

FOR AUTOMATIC WATER HEATERS.
Claims use since July 15, 1941.

Ser. No. 550,841. THE TAPPAN STOVE COMPANY, Mansfield, Ohio. Filed Feb. 28, 1948.

TAPPAN

Applicant claims ownership of registrations Nos. 180,561 and 163,183.
FOR GAS RANGES AND STOVES.
Claims use since Jan. 1, 1922.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 531,046. MOOG INDUSTRIES, INC., St. Louis, Mo. Filed Aug. 11, 1947. Under section 2f of the act of 1946.

MOOG

FOR PISTON RINGS.
Claims use since January 1935.

Ser. No. 533,386. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

VEE FLEX

FOR PACKING RINGS.
Claims use since Feb. 1, 1940.

Ser. No. 533,388. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

V-FLEX

FOR PACKING RINGS.
Claims use since Feb. 1, 1940.

Ser. No. 537,615. PERFECT CIRCLE CORPORATION, Hagerstown, Ind. Filed Oct. 11, 1947.

Ser. No. 562,410. SLIP-NOT BELTING CORPORATION, Kingsport, Tenn. Filed July 28, 1948. Under section 2f of

Ser. No. 542,412. S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 16, 1947.

Ser. No. 531,278. WEINBERG CORPORATION, Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Ser. No. 537,615. PERFECT CIRCLE CORPORATION, Hagerstown, Ind. Filed Oct. 11, 1947.

PERFECT CIRCLE
GX

The words "Perfect Circle" are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 171,675, 315,621, 317,614, 318,806, 318,810, 319,101, 351,628, 403,445, and 432,597.
FOR PISTON RINGS.
Claims use since July 1938.

Ser. No. 537,782. ASBESTOS MANUFACTURING COMPANY, Huntington, Ind. Filed Oct. 14, 1947. Under section 2f of the act of 1946.

FULMOLD

Applicant claims ownership of registration No. 286,096.
FOR ASBESTOS BRAKE LINING AND CLUTCH FACINGS.
Claims use since Feb. 1, 1921.

Ser. No. 538,445. PFEIFF BROS., Brooklyn, N. Y. Filed Oct. 20, 1947.

ZEBRA-HAIRZON

Applicant claims ownership of registration No. 298,066.
FOR LEATHER BELTING.
Claims use since December 1931.

Ser. No. 538,560. HORACE G. PRESTON COMPANY, Detroit, Mich. Filed Oct. 21, 1947. Under section 2f of the act of 1946.

WEARWELL

FOR LEATHER PACKINGS.
Claims use since Jan. 1, 1900.

Ser. No. 558,799. MANUFACTURE DE CAOUTCHOUC MICHELIN (PUIBEUX, BOULANGER ET CIE), Clermont-Ferrand (Puy de-Dome), France. Filed June 9, 1948.

AIRSTOP

Applicant claims ownership of French registration No. 2,964, dated Mar. 8, 1948.
FOR PNEUMATIC TIRES AND AIR TUBES.

Ser. No. 562,410. SLIP-NOT BELTING CORPORATION, Kingsport, Tenn. Filed July 28, 1948. Under section 2f of the act of 1946.

SLIP-NOT

Applicant claims ownership of registration No. 268,913.
FOR TRANSMISSION BELTING.
Claims use since Jan. 14, 1921.

Ser. No. 564,032. WESTERN RAWHIDE & BELTING COMPANY, Milwaukee, Wis. Filed May 3, 1948. Under section 2f of the act of 1946.

SUPER "SUPERIOR"

Applicant claims ownership of registration No. 273,357.
FOR ROUND LEATHER BELTING MADE OF STEERHIDE.
Claims use since Jan. 1, 1925.

CLASS 37

PAPER AND STATIONERY

Ser. No. 505,586. INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Sept. 18, 1947; originally filed, act of 1905, July 13, 1946. Under section 2f of the act of 1946.

KantLeak FIBRE

The word "Fibre" is disclaimed apart from the mark as shown.
FOR BUTCHERS' WRAPPING PAPER.
Claims use since Sept. 20, 1939.

Ser. No. 527,660. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

AIR ROUTE

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1931.

Ser. No. 527,661. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947.

CONGRESS

FOR WRITING, TYPEWRITING, AND PRINTING PAPER.
Claims use since 1890.

Ser. No. 542,412. S. H. KREBS AND COMPANY, New York, N. Y. Filed Sept. 16, 1947.

KREKO

Applicant claims ownership of registrations Nos. 236,115, 326,210, and 328,019.
FOR TABLETS, PAPETRIES, AND CORRESPONDENCE ENVELOPES.
Claims use since 1913.

CLASS 39

CLOTHING

Ser. No. 480,542. THE HOBBY HORSE, Long Beach, Calif. Filed Aug. 5, 1947; originally filed, act of 1905, Mar. 6, 1945.

THE HOBBY HORSE

FOR CHILDREN'S COATS, SUITS, DRESSES, SOCKS, CHILDREN'S NIGHTGOWNS, PAJAMAS AND SLEEPING GARMENTS, UNDERWEAR, SHIRTS, HATS, BELTS, AND SCARFS, SLACKS, SWEATERS, SPORT SHIRTS AND SHORTS, INFANT'S LAYETTES, DRESSES, BOOTIES, BONNETS, AND JACKETS.
Claims use since Feb. 15, 1945.

Ser. No. 515,659. ALEX GREENWALD, doing business as Storkwise Fashions, Los Angeles, Calif. Filed Dec. 5, 1947; originally filed, act of 1905, Jan. 13, 1947.

Stork-Wise

FOR WOMEN'S OUTER MATERNITY GARMENTS—NAMELY, SUITS, SLACK SUITS, CULOTTE SUITS, DRESSES, JUMPERS, SEPARATE SKIRTS, SLACKS, JACKETS, CULOTTES, SHORTS, AND PEDAL PUSHERS.
Claims use since July 15, 1944.

Ser. No. 516,382. SUN VALLEY BOOTS, INC., Malone, N. Y. Filed July 17, 1947; originally filed, act of 1905, Jan. 25, 1947. Under section 2f of the act of 1946.

SUN VALLEY

FOR LADIES', MISSES', AND CHILDREN'S OVERSHOES, MADE OF LEATHER, RUBBER, FABRIC, OR COMPOSITIONS OR COMBINATIONS THEREOF.
Claims use since March 1939.

Ser. No. 527,381. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed July 5, 1947. Under section 2f of the act of 1946.

CUSTOMFIT

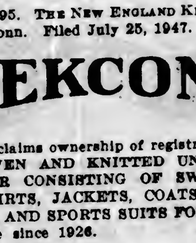
Applicant claims ownership of registration No. 338,400.
FOR GARMENT-SUPPORTING BRACES.
Claims use since July 1, 1935.

Ser. No. 531,278. WEINBERG CORPORATION, Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Oxxford

Applicant claims ownership of registration No. 315,727.
FOR MEN'S AND YOUNG MEN'S SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS.
Claims use since Feb. 26, 1947.

Ser. No. 531,947. PORTIS STYLE INDUSTRIES, INC., Chicago, Ill. Filed Aug. 20, 1947.



No claim is made to the representation of the ear muffs in the drawing.
FOR EAR MUFFS.
Claims use since July 1947.

Ser. No. 532,592. HUTH-JAMES SHOE, INC., Waupun, Wis. Filed Aug. 27, 1947. Under section 2f of the act of 1946.

BOY'S OFFICIAL TROOPER SHOES

No claim is made to the words "Boys" and "Shoes" apart from the mark.
FOR SHOES CONSTRUCTED WHOLLY OR IN PART OF LEATHER.
Claims use since Jan. 8, 1931.

Ser. No. 540,595. THE NEW ENGLAND KNITTING COMPANY, Winsted, Conn. Filed July 25, 1947.

NEKCONIT

Applicant claims ownership of registration No. 390,658.
FOR WOVEN AND KNITTED UNDERWEAR AND OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORTS SUITS FOR MEN.
Claims use since 1926.

Ser. No. 540,596. THE NEW ENGLAND KNITTING COMPANY, Winsted, Conn. Filed July 25, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 555,150. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Apr. 21, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 540,596. THE NEW ENGLAND KNITTING COMPANY, Winsted, Conn. Filed July 25, 1947.

Kerma

Applicant claims ownership of registration No. 390,666.
FOR WOVEN AND KNITTED OUTERWEAR CONSISTING OF SWEATERS, PULLOVERS, SHIRTS, JACKETS, COATS, VESTS, WINDBREAKERS, AND SPORTS SUITS FOR MEN, WOMEN, AND CHILDREN.
Claims use since Fall of 1934.

Ser. No. 543,016. WIDE AWAKE SHIRT COMPANY, INC., Reading, Pa. Filed Sept. 10, 1947.

Elbeco

Applicant claims ownership of registration No. 246,439.
FOR DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND BOYS.
Claims use since 1916.

Ser. No. 543,018. WIDE AWAKE SHIRT COMPANY, INC., Reading, Pa. Filed Sept. 10, 1947.

Wide Awake

Applicant claims ownership of registration No. 246,491.
FOR DRESS, NEGLIGEE, AND WORK SHIRTS FOR MEN AND BOYS.
Claims use since 1895.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 535,064. MILLER BROTHERS COMPANY, Chattanooga, Tenn. Filed Sept. 19, 1947.

The word "Quilt" is disclaimed apart from the mark shown. The portrait shown is a representation of a fanciful character.
FOR QUILT PATCHES.
Claims use since Mar. 30, 1933.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 508,944. VERNEY CORPORATION, Boston, Mass. Filed July 1, 1948; originally filed, act of 1905, Sept. 12, 1946. Under section 2f of the act of 1946.

VERNEY

FOR PIECE GOODS OF RAYON, NYLON, COTTON, WOOL, SILK, OR MIXTURES THEREOF.
Claims use since Dec. 12, 1942.

Ser. No. 535,714. THE KENDALL COMPANY, Walpole, Mass. Filed Sept. 25, 1947.

Curity

Applicant claims ownership of registration No. 133,720.
FOR DIAPER CLOTH, CHEESECLOTH, AND SHEETINGS ALL IN THE PIECE OR IN THE BOLT.
Claims use since June 19, 1914.

Ser. No. 536,811. JOANNA WESTERN MILLS COMPANY, Chicago, Ill. Filed Oct. 4, 1947.

IDEAL

FOR LABEL CLOTH OF COTTON FIBERS AND FILLED ON BOTH SIDES TO PROVIDE A PRINTABLE SURFACE, SOLD IN THE ROLL AND IN SHEETS TO BE CUT UP INTO LABELS FOR PRINTING.
Claims use since 1914.

Ser. No. 541,827. FOLKER FABRICS CORPORATION, New York, N. Y. Filed Nov. 20, 1947.

WOOLBROOK

Applicant claims ownership of registration No. 389,135.
FOR TEXTILE FABRICS IN THE PIECE OF WOOL ALONE AND IN COMBINATION WITH SILK, RAYON, AND WITH MIXTURES OF SILK AND RAYON.
Claims use since June 3, 1938.

Ser. No. 555,097. ARTHUR S. HEIMAN, INC., New York, N. Y. Filed Apr. 20, 1948.

HYFILE

FOR PIECE GOODS OF RAYON, NYLON AND COTTON, AND/OR COMBINATIONS THEREOF.
Claims use since Apr. 5, 1948.

Ser. No. 555,150. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Apr. 21, 1948.

AMBROSIA

FOR PIECE GOODS OF COTTON, WOOL, AND SYNTHETIC FIBERS.
Claims use since June 6, 1938.

Ser. No. 555,153. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Apr. 21, 1948.

SKYKOOL

FOR PIECE GOODS OF COTTON, WOOL, AND SYNTHETIC FIBERS.
Claims use since September 1941.

Ser. No. 555,307. SADWIN CURTAIN MFG. CO. INC., Woonsocket, R. I. Filed Apr. 22, 1948.

"Kitchen-Tyme"

The word "Kitchen" is disclaimed apart from the mark shown.
FOR WINDOW AND SHOWER CURTAINS.
Claims use since Feb, 8, 1947.

Ser. No. 555,521. INSTITUTIONAL PRODUCTS COMPANY, New York, N. Y. Filed Apr. 24, 1948.

FOR SHEETS, TOWELS, TOWELING, SHEETING, BEDSPREADS, WINDOW AND SHOWER CURTAINS, BLANKETS, DRAPES, TICKING, PILLOW CASES, MATTRESS PADS, AND QUILTS AND QUILTING FOR BEDS.
Claims use since Feb. 15, 1946.

Ser. No. 556,245. CAPITOL FABRICS, INC., New York, N. Y. Filed May 5, 1948.

CAPITOL

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, SILK, PROTEIN FIBRES, AND COMBINATIONS THEREOF.
Claims use since Mar. 1, 1917.

CLASS 43

THREAD AND YARN

Ser. No. 559,266. THE AMERICAN THREAD COMPANY, New York, N. Y. Filed June 16, 1948.

Clover Leaf

Applicant claims ownership of registrations Nos. 63,637, 64,833, and 308,742.
FOR YARN.
Claims use since July 19, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 540,189. HARDWOOD PRODUCTS COMPANY, Mayville, Mich. Filed Nov. 5, 1947. Under section 2f of the act of 1946.

CLEARWOOD

Applicant claims ownership of registration No. 330,942.
FOR TOOTHPICKS.
Claims use since Feb. 27, 1923.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 539,426. THE H. R. NICHOLSON COMPANY, doing business as The Syrup Products Company, Baltimore, Md. Filed Oct. 29, 1947.

Vinup

FOR IMITATION GRAPE CONCENTRATE, FOR MAKING A NON ALCOHOLIC, MALTLESS SOFT DRINK BEVERAGE.
Claims use since Sept. 26, 1947.

Ser. No. 548,085. KITCHEN CRAFT FOODS CORPORATION, Brooklyn, N. Y. Filed Jan. 27, 1948.

Kitchen Craft

FOR SYRUP FLAVOR BASES AND FRUIT ACID SOLUTIONS FOR MAKING SODA FOUNTAIN BEVERAGES AND PURE FRUIT POWDERS AND CONCENTRATES FOR MAKING SOFT DRINKS.
Claims use since May 1936.

Ser. No. 548,406. PORTLAND PACKING CO., Portland,

Ser. No. 558,784. THE FRINK CREAMERY COMPANY, Denver, Colo. Filed June 9, 1948.

Ser. No. 548,247. ENZO JEL COMPANY, Sheboygan, Wis. Filed Jan. 29, 1948.

ENZ-THIRST

The drawing is lined to indicate the color blue. Applicant claims ownership of registration No. 350,478.
FOR POWDERS FOR MAKING SOFT DRINKS.
Claims use since 1930.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 531,859. STANFORD FRUIT GROWERS, INC., Lake Alfred, Fla. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

WORTHY

Applicant claims ownership of registration No. 395,965.
FOR FRESH CITRUS FRUIT.
Claims use since Sept. 1, 1939.

Ser. No. 533,192. NEBRASKA CONSOLIDATED MILLS COMPANY, Omaha, Nebr. Filed Sept. 3, 1947.

Dixianna

FOR PANCAKE FLOUR, CORN MEAL, WHOLE WHEAT FLOUR, RYE FLOUR, AND WHEAT FLOUR.
Claims use since Sept. 12, 1931.

Ser. No. 535,281. WATERLOO CANNING ASSOCIATION, Waterloo, Wis. Filed Sept. 22, 1947.

BON-AMI
(GOOD) (FRIEND)

FOR CANNED PEAS.
Claims use since Apr. 15, 1901.

Ser. No. 535,351. RIVAL FOODS, INC., Cambridge, Mass. Filed Sept. 23, 1947.

Rival

Applicant claims ownership of registrations Nos. 241,844, 122,641, and 40,738.
FOR CANNED FRUITS, CANNED BERRIES, CANNED CITRON AND FRUIT PEEL, FRUIT PRESERVES AND MARMALADES, CANNED PUMPKIN, CANNED FRUIT SAUCES, CANNED FRUIT JUICES, CANNED VEGETABLES, CANNED VEGETABLE JUICE, CANNED SAUERKRAUT, CANNED TOMATO PASTE, TOMATO PUREE AND TOMATO CATSUP, CANNED FISH, CANNED CLAMS, CANNED SHRIMP, CANNED CODFISH CAKES, CANNED SOUPS, SALT, CANNED MUSHROOMS, CANNED EVAPORATED MILK, ALIMENTARY PASTES, BAKED BEANS, MOLASSES, OLIVES, CEREAL OATS, BROWN BREAD, PEANUT BUTTER, AND FROZEN FRUITS AND VEGETABLES.
Claims use since 1875.

Ser. No. 535,625. RIVAL FOODS, INC., Cambridge, Mass. Filed Sept. 24, 1947.

RIVAL

Applicant claims ownership of registrations Nos. 241,844, 122,641, and 40,738.
FOR CANNED VEGETABLES, CANNED TOMATO JUICE, CANNED FRUITS, CANNED FRUIT JUICES, TOMATO CATSUP, TOMATO PASTE, TOMATO PUREE, CANNED BAKED BEANS, CANNED SOUP, CEREAL OATS.
Claims use since 1875.

Ser. No. 540,198. NORRIS INC., Atlanta, Ga. Filed Nov. 5, 1947.

The figures shown on the drawing are fanciful.
FOR CANDY.
Claims use since Mar. 2, 1914.

Ser. No. 543,912. S. E. W. FRIEL, Queenstown, Md. Filed Dec. 10, 1947. Under section 2f of the act of 1946.

Friel's

FOR CANNED TOMATO JUICE AND CANNED VEGETABLES.
Claims use since June 1, 1925.

Ser. No. 548,406. PORTLAND PACKING CO., Portland, Maine. Filed Jan. 30, 1948.

Highland Queen

Applicant claims ownership of registration No. 30,305.
FOR CANNED VEGETABLES—NAMELY, GOLDEN CORN, STRING BEANS, AND PEAS.
Claims use since January 1896.

Ser. No. 549,694. BANNING CANNING CO., Banning, Calif. Filed Feb. 14, 1948.

BANN-CO

Applicant claims ownership of registration No. 166,093.
FOR CANNED APRICOTS, CANNED TOMATOES, AND CANNED TOMATO PUREE.
Claims use since 1917.

Ser. No. 555,903. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed Oct. 2, 1947.

Serv-well

The drawing is lined for red and gold. Applicant claims ownership of registration Nos. 251,443 and 439,812.
FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH; BASIC MATERIALS FOR FORMING BEVERAGES—NAMELY, COFFEE; CONDIMENTS—NAMELY, CATSUP, SANDWICH SPREAD, SALAD DRESSING, RELISH SPREAD, PREPARED MUSTARD, PICKLES, OLIVES; CEREAL PRODUCTS—NAMELY, PANCAKE FLOUR, ROLLED OATS; JELLIES, FRUIT PRESERVES, APPLE BUTTER, PEANUT BUTTER, TABLE SYRUP, MOLASSES, AND FOOD FLAVORING EXTRACTS.
Claims use since Oct. 7, 1925.

Ser. No. 558,784. THE FRINK CREAMERY COMPANY, Denver, Colo. Filed June 9, 1948.

BLACK CANYON

FOR CHEESE.
Claims use since Nov. 1, 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 535,699. GORDON-O'NEILL COMPANY, Jersey City, N. J. Filed Sept. 25, 1947. Under section 2f of the act of 1946.

FARMERS

Applicant claims ownership of registration No. 318,752.
FOR APPLE BRANDY.
Claims use since Feb. 1, 1933.

CLASS 55

SERVICES

Ser. No. 533,287. KUEHNLE-WILSON INC., Philadelphia, Pa. Filed Aug. 28, 1947. SERVICE MARK.

Don't put it off—put it on!

FOR CONTRACT PAINTING WHICH IS INDUSTRIAL, RESIDENTIAL, AND INSTITUTIONAL.
Claims use since Nov. 1, 1928.

441,967. FORMS FOR COMBINATION WITH GAR- 441,977. MECHANICALLY GROOVED PHONOGRAPH

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,942. LADIES' AND MISSES' COATS, SUITS, AND DRESSES. H. Bomze & Bro., Philadelphia, Pa., assignor to H. Bomze & Bro., Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Filed Aug. 26, 1944, Serial No. 473,635. Published May 8, 1945. Class 39.

441,943. PAINT REMOVER. Oscar Mahler, doing business as The Techema Company, Toronto, Ontario, Canada.
Filed Nov. 28, 1945, Serial No. 492,347. Published Sept. 14, 1948. Class 16.

441,944. LADIES' SLIPS, NIGHTGOWNS, PAJAMAS, PANTIES, BED JACKETS, AND PETTICOATS. Miss Coquette, Inc., New York, N. Y.
Filed Jan. 3, 1946, Serial No. 494,229. Published Oct. 19, 1948. Class 39.

441,945. AIRPLANES. Engineering and Research Corporation, Riverdale, Md.
Filed Feb. 5, 1946, Serial No. 496,018. Published Oct. 5, 1948. Class 19.

441,946. INFANTS' AND CHILDREN'S SHOES MADE OF LEATHER. Beckerman Shoe Corporation of Boyertown, Brooklyn, N. Y.
Filed Mar. 6, 1946, Serial No. 497,694. Published Sept. 28, 1948. Class 39.

441,947. LADIES' AND MISSES' BLOUSES. Harry E. Lisberg Co., Chicago, Ill.
Filed Mar. 21, 1946, Serial No. 498,705. Published Oct. 19, 1948. Class 39.

441,948. MEN'S, BOYS', WOMEN'S, GIRLS', MISSES', AND CHILDREN'S SWIM SUITS, SWIM SHORTS, SWIM AND PLAY SHORTS, OUTER SHORTS, ETC. Miami Sportswear Co., Miami, Fla.
Filed Apr. 26, 1946, Serial No. 500,994. Published Oct. 19, 1948. Class 39.

441,949. MEN'S, BOYS', WOMEN'S, GIRLS', MISSES', AND CHILDREN'S SWIM SUITS, ETC. Miami Sportswear Co., Miami, Fla.
Filed Apr. 26, 1946, Serial No. 500,995. Published Oct. 19, 1948. Class 39.

441,950. HOOK AND EYE TAPE. The De Long Hook and Eye Company, Philadelphia, Pa.
Filed June 7, 1946, Serial No. 503,435. Published Oct. 19, 1948. Class 40.

441,951. KITCHEN APRONS MADE OF PLASTIC SHEETING. U. S. Fiber & Plastics Corp., Stirling, N. J.
Filed Oct. 2, 1946, Serial No. 510,136. Published Oct. 19, 1948. Class 39.

441,952. UNIT ASSEMBLY CONSISTING OF READY CUT MATERIAL, STAMPED DESIGN, EMBROIDERY THREAD, AND SEWING GUIDE CHART FOR MAKING A CHILD'S PINAFORE. Sunitogs of California, San Francisco, Calif.
Filed Oct. 4, 1946, Serial No. 510,284. Published Oct. 12, 1948. Class 39.

441,953. COATED AND IMPREGNATED FABRICS OF NATURAL AND SYNTHETIC FIBERS (INCLUDING COTTON, RAYON, NYLON, AND GLASS); AND FLEXIBLE PLASTIC FILM; ALL SOLD IN SHEET FORM FOR MAKING INTO GARMENTS, UMBRELLAS, DRAPERIES, AND THE LIKE. The B. F. Goodrich Company, Akron, Ohio, and New York, N. Y.
Filed Oct. 31, 1946, Serial No. 511,811. Published Oct. 12, 1948. Class 42.

441,954. GROOVED PHONOGRAPH RECORDS. Bullet Recording & Transcription Co. Inc., Nashville, Tenn.
Filed Nov. 8, 1946, Serial No. 512,235. Published Oct. 26, 1948. Class 36.

441,955. BOOKLET PUBLISHED RECURRENTLY. George W. Leistner, doing business as The Bookmark, Stockton, Calif.
Filed Nov. 15, 1946, Serial No. 512,679. Published Oct. 19, 1948. Class 38.

441,956. PREPARED FEED FOR POULTRY AND LIVE-STOCK. Harold L. Wright, doing business as Triple W Products Co., Los Angeles, Calif.
Filed Nov. 22, 1946, Serial No. 513,089. Published Sept. 28, 1948. Class 46.

441,957. DOUGHNUT FLOUR. Ph. Orth Company, Milwaukee, Wis.
Filed Dec. 3, 1946, Serial No. 513,638. Published Oct. 12, 1948. Class 46.

441,958. PIECE GOODS OF RAYON YARNS. Foreman Fabrics Corp., New York, N. Y.
Filed Dec. 11, 1946, Serial No. 514,020. Published June 15, 1948. Class 42.

441,959. BURIAL VAULTS. Century Burial Vault Co., San Francisco, Calif.
Filed Dec. 14, 1946, Serial No. 514,250. Published Oct. 26, 1948. Class 2.

441,960. PERIODICALS PUBLISHED AT IRREGULAR INTERVALS. Duncan Electric Manufacturing Company, La Fayette, Ind.
Filed Dec. 14, 1946, Serial No. 514,258. Published Oct. 5, 1948. Class 38.

441,961. CORD. The Plastic Wire & Cable Corporation, Jewett City, Conn.
Filed Jan. 11, 1947, Serial No. 515,633. Published Oct. 19, 1948. Class 7.

441,962. CHOCOLATE, COCOA POWDER, ASSORTED CHOCOLATES, AND CANDY. Aktiengesellschaft Chocolat Tobler, Bern, Switzerland.
Filed Jan. 22, 1947, Serial No. 516,111. Published Oct. 12, 1948. Class 46.

441,963. DIRNDLS, JUMPERS, PINAFORES, BLOUSES, BOLEROS, DAYTIME DRESSES, EVENING DRESSES, BATHING SUITS, BEACH COATS, HOUSE COATS, NEGLIGEES, SMOCKS, ETC. Folly Cove Designers, Gloucester and Annisquam, Mass.
Filed Jan. 27, 1947, Serial No. 516,406. Published Oct. 5, 1948. Class 39.

441,964. FLAVOR EXTRACTS FOR FOOD PURPOSES—NAMELY, VANILLA, ALMOND, ORANGE, AND LEMON. National Tea Co., Chicago, Ill.
Filed Jan. 29, 1947, Serial No. 516,562. Published Oct. 12, 1948. Class 46.

441,965. SAUCE MADE OF TOMATOES AND SPICES TO BE USED ON MEATS, SALADS, AND VEGETABLES. Walter F. Rothe, doing business as The Mustato Company, Washington, D. C.
Filed Feb. 4, 1947, Serial No. 516,921. Published Oct. 12, 1948. Class 46.

441,966. EDIBLE SALAD AND COOKING OILS, I. E., A BLEND OF CORN OIL, PEANUT OIL, AND OLIVE OIL. Anthony Castello, doing business as Castello Packing Company, Brooklyn, N. Y.
Filed Feb. 18, 1947, Serial No. 517,700. Published Oct. 19, 1948. Class 46.

441,967. FORMS FOR COMBINATION WITH GARMENTS TO MOLD AND SHAPE THE FIGURE WEARING THE GARMENT, SHOULDER PADS FOR WEARING APPAREL, DRESS SHIELDS, AND BUST FORMS FOR WEARING APPAREL. Sealy Shoulder Pad Corporation, New York, N. Y.
Filed Feb. 21, 1947, Serial No. 517,927. Published Oct. 19, 1948. Class 40.

441,968. EDIBLE VEGETABLE OIL WHICH CAN BE USED AS POPCORN SEASONING BUT WHICH CAN ALSO HAVE OTHER USES. C. F. Simonin's Sons, Inc., Philadelphia, Pa.
Filed Feb. 21, 1947, Serial No. 517,928. Published Oct. 19, 1948. Class 46.

441,969. THREAD, TO BE USED FOR CROCHETING AND KNITTING BEADED BAGS AND FOR ALL TYPES OF BEAD EMBROIDERY. Heirloom Needlework Guild, Inc., New York, N. Y.
Filed Feb. 27, 1947, Serial No. 518,223. Published Oct. 19, 1948. Class 43.

441,970. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' UNDERWEAR AND CHILDREN'S SLEEPING GARMENTS. Pollack & Katz, Inc., New York, N. Y., assignor to Par-Kay Mills, Inc., New York, N. Y., a corporation of New York.
Filed Mar. 5, 1947. Serial No. 518,558. Published Sept. 28, 1948. Class 39.

441,971. SEWING THREAD OF COTTON, SILK, NYLON, AND PROTEIN FIBERS. Century Thread Corp., New York, N. Y.
Filed Mar. 7, 1947, Serial No. 518,655. Published Oct. 19, 1948. Class 43.

441,972. SEWING THREAD OF COTTON, SILK, NYLON, AND PROTEIN FIBERS. Century Thread Corp., New York, N. Y.
Filed Mar. 7, 1947, Serial No. 518,656. Published Oct. 19, 1948. Class 43.

441,973. AIRPLANES. Engineering and Research Corporation, Riverdale, Md.
Filed Apr. 1, 1947, Serial No. 519,933. Published Oct. 5, 1948. Class 19.

441,974. NETTINGS AND VEILINGS. John Heathcoat & Co., Tiverton, Devon, England, assignor to John Heathcoat & Co., Inc., New York, N. Y.
Filed Apr. 1, 1947, Serial No. 519,952. Published Sept. 28, 1948. Class 42.

441,975. EDIBLE VEGETABLE FATS. The Procter & Gamble Company, Cincinnati, Ohio.
Filed Apr. 9, 1947, Serial No. 520,413. Published Oct. 19, 1948. Class 46.

441,976. MISSES' AND JUNIOR MISSES' COATS, SUITS, JACKETS, OUTER SKIRTS, AND JUMPER DRESSES. Victoria Juniors, New York, N. Y.
Filed Apr. 12, 1947, Serial No. 520,574. Published Oct. 5, 1948. Class 39.

441,977. MECHANICALLY GROOVED PHONOGRAPH RECORDS. Seva Record Corporation, New York, N. Y.
Filed Apr. 29, 1947, Serial No. 521,539. Published Oct. 26, 1948. Class 36.

441,978. SALAD DRESSINGS. Victor Beam, doing business as Pope's Grill, Tulsa, Okla.
Filed May 3, 1947, Serial No. 521,786. Published Oct. 19, 1948. Class 46.

441,979. COATED GLASS FIBER CLOTH IN THE PIECE FOR MAKING INTO AWNINGS, COVERS FOR IRONING BOARDS, MATTRESSES AND PILLOWS, FURNITURE COVERS, LAMP SHADES, AND THE LIKE. Irvington Varnish & Insulator Co., Irvington, N. J.
Filed May 8, 1947, Serial No. 522,097. Published Oct. 12, 1948. Class 42.

441,980. SUITS, TOPCOATS, SPORT COATS, AND SPORT JACKETS MADE WHOLLY OR IN PART FROM SHETLAND WOOL FOR MEN AND WOMEN. Currick & Leiken Co. Inc., New York, N. Y.
Filed May 13, 1947, Serial No. 522,318. Published Sept. 28, 1948. Class 39.

441,981. WOMEN'S, MISSES', AND JUNIOR MISSES' OR GIRLS' UNDERGARMENTS—NAMELY, SLIPS AND NIGHTGOWNS. Albert, Inc., Chicago, Ill.
Filed May 20, 1947, Serial No. 522,685. Published Oct. 5, 1948. Class 39.

441,982. MONTHLY MAGAZINE. Ideal Publishing Corp., New York, N. Y.
Filed May 28, 1947, Serial No. 523,185. Published Oct. 5, 1948. Class 38.

441,983. DAILY PUBLICATION RELATING TO TURF DATA. Regal Publishing Corporation, New York, N. Y.
Filed June 13, 1947, Serial No. 524,155. Published Oct. 5, 1948. Class 38.

441,984. BOXES MADE OF MOLDED PLASTIC MATERIALS—NAMELY, JEWELRY BOXES, COMPACT BOXES, ROUGE BOXES, TALCUM POWDER BOXES, CREAM JARS, SALT SHAKERS, AND THE LIKE SOLD EMPTY TO THE TRADE. Norton Laboratories Inc., Lockport, N. Y.
Filed June 26, 1947, Serial No. 524,884. Published Oct. 26, 1948. Class 2.

441,985. SERIES OF PUBLISHED TRANSLATIONS, SOLD AS SUCH, OF FOREIGN-LANGUAGE DOCUMENTS PERTAINING TO TECHNICAL PROCESSES. Irene F. Smith, Hyattsville, Md.
Filed July 1, 1947, Serial No. 525,508. Published Oct. 5, 1948. Class 38.

441,986. SMOKING TOBACCO. P. Lorillard Company, New York, N. Y.
Filed July 2, 1947, Serial No. 525,619. Published OCT 12, 1948. Class 17.

ACT OF 1920

These registrations are not subject to opposition.

441,987. (CLASS 39. CLOTHING.) Smartbilt, Inc., New York, N. Y. Filed Dec. 29, 1945, Serial No. 494,135.

Smartbilt

FOR WOMEN'S AND MISSES' DRESSES AND SUITS.
Claims use since August 1942.

441,988. (CLASS 39. CLOTHING.) Moe Feinberg and Moe Wiesen, New York, N. Y. Filed Dec. 14, 1946, Serial No. 514,259.

Feinberg & Wiesen

FOR LADIES' DRESSES.
Claims use since Nov. 1, 1932.

506,149. WALLETS, BILL-FOLDS, KEY CONTAINERS, [illegible]

506,161. FRESH LEMONS. Orange Belt Fruit Distributors, Pomona, Calif.

ACT OF 1946, PRINCIPAL REGISTER

506,128. HATS AND CAPS FOR MEN AND WOMEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed Aug. 25, 1947; originally filed, act of 1905, Mar. 31, 1945, Serial No. 481,578. Published Sept. 28, 1948. Class 39.

506,129. CHEESE. PURITY CHEESE COMPANY, Mayville, Wis.
Filed Mar. 6, 1948; originally filed, act of 1905, May 26, 1946, Serial No. 495,503. Published Oct. 19, 1948. Class 46.

506,130. WOMEN'S, MISSES', AND CHILDREN'S COATS AND SUITS. YOUTHCRAFT MANUFACTURING Co., Kansas City, Mo.
Filed Dec. 5, 1947; originally filed, act of 1905, Jan. 28, 1946, Serial No. 495,562. Published Oct. 5, 1948. Class 39.

506,131. PERIODICALLY AND INTERMITTENTLY APPEARING PRINTED PROGRAMS, MAGAZINES, AND LABOR UNION DIRECTORIES. CHICAGO FEDERATION OF LABOR, Chicago, Ill.
Filed Dec. 2, 1947; originally filed, act of 1905, May 21, 1946, Serial No. 502,489. Published Oct. 19, 1948. Class 38.

506,132. PRINTED WINDOW AND BULLETIN BOARD CARDS AND PRINTED MOTTO CARDS AND LEAFLETS. DAVID S. PATTERSON, New Brighton, Pa.
Filed Aug. 12, 1947; originally filed, act of 1905, May 21, 1946, Serial No. 502,530. Published Oct. 5, 1948. Class 38.

506,133. PHOTOGRAPHIC PRINTS. JOHN A. RONAN, doing business as Photoglo Co. of America, New York, N. Y.
Filed Dec. 17, 1947; originally filed, act of 1905, June 11, 1940, Serial No. 503,675. Published Oct. 5, 1948. Class 38.

506,134. CANNED CLAMS, CANNED CRABMEAT, CANNED SALMON, AND CANNED TUNA. GUS STRAND, doing business as Strand Fisheries, Aberdeen, Wash.
Filed Aug. 27, 1947; originally filed, act of 1905, June 14, 1946, Serial No. 503,952. Published Oct. 19, 1948. Class 46.

506,135. CANNED FRUIT JUICES FOR FOOD PURPOSES—NAMELY, ORANGE JUICE AND BLENDED ORANGE, APRICOT, AND LEMON JUICE. CALIFORNIA CANNERS ASSOCIATES, Los Angeles, Calif.
Filed Dec. 6, 1947; originally filed, act of 1905, July 22, 1946, Serial No. 506,006. Published Oct. 12, 1948. Class 46.

506,136. UNDERWEAR FOR WOMEN AND CHILDREN. PINEHURST TEXTILES INC., Asheboro, N. C.
Filed July 29, 1947; originally filed, act of 1905, Aug. 5, 1946, Serial No. 506,894. Published Oct. 12, 1948. Class 39.

506,137. SANITARY NAPKIN DISPOSAL POUCHES MADE OF PAPER OR THE LIKE. BARBARA A. SAGER, doing business as Sager Enterprises, West McHenry, Ill.
Filed Aug. 28, 1947; originally filed, act of 1905, Sept. 19, 1946, Serial No. 509,374. Published Oct. 19, 1948. Class 2.

506,138. WOMEN'S, MISSES', CHILDREN'S, AND INFANTS' WEARING APPAREL, ETC. STORYK BLOUSES, INC., New York, N. Y.
Filed Jan. 5, 1948; originally filed, act of 1905, Oct. 17, 1946, Serial No. 511,041. Published Oct. 5, 1948. Class 39.

506,139. FROZEN FRUITS AND FROZEN VEGETABLES—NAMELY, FROZEN PINEAPPLE AND FROZEN LIMA BEANS, FROZEN BROCCOLI, FROZEN SPINACH, AND FROZEN GREEN BEANS. PAN-AM FREEZERS, INC., Brownsville, Tex., now by change of name Pan-Am Foods, Inc., a corporation of Texas.
Filed Mar. 12, 1948; originally filed, act of 1905, Oct. 28, 1946, Serial No. 511,635. Published Oct. 19, 1948. Class 46.

506,140. OVERALLS, COATS, DUNGAREES, WORK PANTS, WORK SHIRTS, AND ONE PIECE WORK SUITS. BLUE BUCKLE OVERALL COMPANY, INC., Lynchburg, Va., assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va., a corporation of Virginia.
Filed Oct. 22, 1947; originally filed, act of 1905, Oct. 29, 1946, Serial No. 511,665. Published Oct. 12, 1948. Class 39.

506,141. NECKTIES. HERMANN SPIELMANN & SON, INC., New York, N. Y.
Filed June 15, 1948; originally filed, act of 1905, Nov. 14, 1946, Serial No. 512,589. Published Sept. 28, 1948. Class 39.

506,142. BED SHEETS. ESTHER M. KROMER, Chicago, Ill.
Filed Aug. 1, 1947; originally filed, act of 1905, Dec. 14, 1946, Serial No. 514,279. Published Oct. 12, 1948. Class 42.

506,143. MEN'S, WOMEN'S, AND CHILDREN'S KNITTED SOCKS. THE ADLER CO., Cincinnati, Ohio.
Filed July 5, 1947; originally filed, act of 1905, Dec. 27, 1946, Serial No. 514,876. Published Oct. 5, 1948. Class 39.

506,144. MAGAZINE. THE KIPLINGER WASHINGTON AGENCY, INC., Washington, D. C.
Filed Sept. 23, 1947; originally filed, act of 1905, Jan. 7, 1947, Serial No. 515,379. Published Oct. 19, 1948. Class 38.

506,145. COLUMN OR SECTION APPEARING IN A PERIODICAL OR NEWSPAPER. ELAINE EXTON, Washington, D. C.
Filed Mar. 3, 1948; originally filed, act of 1905, Jan. 20, 1947, Serial No. 516,010. Published Oct. 19, 1948. Class 38.

506,146. CHRISTMAS SEALS, PRINTED TAGS AND CARDS, AND PRINTED TAPES AND STICKERS. FRED FEAR & Co., Brooklyn, N. Y.
Filed Mar. 27, 1948; originally filed, act of 1905, Jan. 23, 1947, Serial No. 516,180. Published Oct. 19, 1948. Class 38.

506,147. SPECIALLY PREPARED FOOD FOR INFANTS—NAMELY, A REFINED PRODUCT OF ENZYMIC HYDROLYSIS OF STARCH. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947, Serial No. 516,616. Published Oct. 19, 1948. Class 46.

506,148. FRESH VEGETABLES. MARTY SHERMAN COMPANY, El Centro, Calif., assignee of National Growers & Shippers.
Filed Apr. 5, 1948; originally filed, act of 1905, Mar. 1, 1947, Serial No. 518,359. Published Oct. 19, 1948. Class 46.

506,149. WALLETS, BILL-FOLDS, KEY CONTAINERS, CARD HOLDERS, POCKETBOOKS, AND TRAVEL CASES. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,969. Published Oct. 26, 1948. Class 3.

506,150. BUCKLES OF NON-PRECIOUS METAL FOR BOTH WRIST WATCH STRAPS AND WEARING APPAREL BELTS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,971. Published Oct. 26, 1948. Class 40.

506,151. WALLETS, BILL-FOLDS, KEY CONTAINERS, CARD HOLDERS, POCKETBOOKS, AND TRAVEL CASES. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947; originally filed, act of 1905, Mar. 18, 1947, Serial No. 518,973. Published Oct. 26, 1948. Class 3.

506,152. BUCKLES OF NON-PRECIOUS METAL FOR BOTH WRIST WATCH STRAPS AND WEARING APPAREL BELTS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,974. Published Oct. 26, 1948. Class 40.

506,153. LADIES' TRAVELLING BAGS. UP-KIT COMPANY, San Francisco, Calif.
Filed Nov. 13, 1947; originally filed, act of 1905, Mar. 18, 1947, Serial No. 519,238. Published Oct. 19, 1948. Class 3.

506,154. FLOUR MIXES—NAMELY, PIE CRUST MIX, DOUGHNUT MIX, AND SWEET DOUGH MIX. STANDARD MILLING COMPANY, Chicago, Ill.
Filed Oct. 1, 1947; originally filed, act of 1905, Mar. 20, 1947, Serial No. 519,352. Published Oct. 19, 1948. Class 46.

506,155. EMULSIFIER OF SHORTENING AND WATER FOR ENHANCING AND RETAINING THE QUALITY OF FINISHED BREAD. HACHMEISTER INCORPORATED, Pittsburgh, Pa.
Filed Nov. 5, 1947; originally filed, act of 1905, Mar. 28, 1947, Serial No. 519,751. Published Oct. 19, 1948. Class 46.

506,156. FULL FASHIONED HOSIERY FOR WOMEN. BOONTON FULL FASHION HOSIERY MILL, Boonton, N. J.
Filed Nov. 26, 1947; originally filed, act of 1905, Apr. 1, 1947, Serial No. 519,920. Published Oct. 5, 1948. Class 39.

506,157. CORN CHOPS, CORN MEAL, AND OATS FOR CATTLE, POULTRY, AND HORSES. J. T. GIBBONS, INC., New Orleans, La.
Filed Sept. 3, 1947; originally filed, act of 1905, Apr. 1, 1947, Serial No. 519,939. Published Oct. 19, 1948. Class 46.

506,158. PHOTOGRAPHIC PRINTS. KATZ DRUG COMPANY, Kansas City, Mo.
Filed Feb. 21, 1948; originally filed, act of 1905, Apr. 8, 1947, Serial No. 520,389. Published Oct. 5, 1948. Class 38.

506,159. LECITHIN CONCENTRATE. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill.
Filed May 27, 1948; originally filed, act of 1905, Apr. 8, 1947, Serial No. 520,360. Published Oct. 19, 1948. Class 46.

506,160. LADIES' HOSIERY. ALLIED STORES CORPORATION, New York, N. Y., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J.
Filed Feb. 28, 1948; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,104. Published Sept. 28, 1948. Class 39.

506,161. FRESH LEMONS. ORANGE BELT FRUIT DISTRIBUTORS, Pomona, Calif.
Filed Nov. 22, 1947; originally filed, act of 1905, May 24, 1947, Serial No. 523,002. Published Oct. 19, 1948. Class 46.

506,162. EVAPORATED MILK, FRESH CREAM, AND FRESH MILK. AMBOY MILK PRODUCTS COMPANY, Amboy, Ill.
Filed Sept. 3, 1947; originally filed, act of 1905, May 29, 1947, Serial No. 523,232. Published Oct. 19, 1948. Class 46.

506,163. MEN'S AND BOYS' OVERALLS, WORK SHIRTS, WORK PANTS, AND COVERALLS. F. BRODY & SONS CO., Des Moines, Iowa.
Filed Dec. 19, 1947; originally filed, act of 1905, June 11, 1947, Serial No. 523,945. Published Sept. 28, 1948. Class 39.

506,164. PLAIN WHITE, DYED, OR PRINTED COTTON PIECE GOODS. CONSOLIDATED TEXTILE CO., INC., New York, N. Y.
Filed Feb. 17, 1948; originally filed, act of 1905, July 1, 1947, Serial No. 525,300. Published Sept. 28, 1948. Class 42.

506,165. HOSIERY. WENDELL, INCORPORATED, Los Angeles, Calif.
Filed Feb. 3, 1948; originally filed, act of 1905, July 1, 1947, Serial No. 525,468. Published Sept. 28, 1948. Class 39.

506,166. HATS OF ALL KINDS. WINDSOR HATS (PROPRIETORY) LIMITED, Johannesburg, Transvaal, Union of South Africa.
Filed May 5, 1948; originally filed, act of 1905, July 3, 1947, Serial No. 526,175. Published Sept. 28, 1948. Class 39.

506,167. DRESSES FOR GIRLS IN THE SIZE RANGE 2 TO 6. TEEN-TIMERS, INC., New York, N. Y.
Filed July 5, 1947, Serial No. 526,520. Published Feb. 17, 1948. Class 39.

506,168. WALLETS, BILL-FOLDS, KEY CONTAINERS, CARD HOLDERS, POCKETBOOKS, AND TRAVEL CASES. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed July 5, 1947, Serial No. 526,547. Published Oct. 26, 1948. Class 3.

506,169. BODICES DESIGNED TO HOLD DRESS SHIELDS AND DETACHABLE SHOULDER PADS. I. B. KLEINERT RUBBER COMPANY, INC., New York, N. Y.
Filed July 5, 1947, Serial No. 526,616. Published Oct. 12, 1948. Class 39.

506,170. BAKING SODA (BICARBONATE OF SODA), FOR USE AS AN INGREDIENT IN THE PREPARATION OF FOODS. CHURCH & DWIGHT CO., INC., New York, N. Y.
Filed July 5, 1947, Serial No. 526,752. Published Oct. 19, 1948. Class 46.

506,171. HOSIERY. CRYSTAL HOSIERY CO., New York, N. Y.
Filed July 5, 1947, Serial No. 527,040. Published Sept. 28, 1948. Class 39.

506,172. WIRE CABLE FOR USE IN CONNECTION WITH EXCAVATING MACHINERY, SLACKLINE CABLEWAY, POWER DRAG SCRAPERS, AND THE LIKE. SAUERMAN BROS., INC., Chicago, Ill.
Filed July 5, 1947, Serial No. 527,140. Published Oct. 19, 1948. Class 7.

506,173. SALAD DRESSING. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed July 5, 1947, Serial No. 527,384. Published Oct. 26, 1948. Class 46.

506,174. WINDOW CURTAINS, TABLE COVERS, FURNITURE SCARFS, AND PIECE GOODS, ALL OF LACE OR PLASTIC FILM. THE SCRANTON LACE COMPANY, Scranton, Pa.
Filed July 5, 1947, Serial No. 527,854. Published Oct. 5, 1948. Class 42.

506,175. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS,

506,190. MEN'S AND LADIES' GLOVES MADE OF

506,203. WOMEN'S HOSIERY AND UNDERWEAR.

506,217. THREAD. THE LINEN THREAD CO., INC., New York, N. Y.

506,175. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF. YOUNG'S SPEEDY SHOES, INC., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,984. Published Sept. 28, 1948. Class 39.

506,176. THREAD. STANDARD-COOSA-THATCHER COMPANY, Chattanooga, Tenn.
Filed July 8, 1947, Serial No. 528,124. Published Oct. 19, 1948. Class 43.

506,177. THREAD. STANDARD-COOSA-THATCHER COMPANY, Chattanooga, Tenn.
Filed July 8, 1947, Serial No. 528,137. Published Oct. 19, 1948. Class 43.

506,178. SYNTHETIC STRAW BRAIDS USED IN THE MANUFACTURE OF HAT BODIES. E. C. SCHERER, INC., New York, N. Y.
Filed July 15, 1947, Serial No. 528,648. Published Jan. 20, 1948. Class 40.

506,179. FABRICS MADE FROM SYNTHETIC FIBERS, AND FROM ANIMAL AND VEGETABLE FIBERS—NAMELY, WOOL, HAIRS, HEMP, FLAX, JUTE, AND COTTON, AND SOLD IN THE PIECE, YARD, OR BOLT. MANUFACTURES DE PRODUITS CHIMIQUES DU NORD ETABLISSEMENTS KUHLMANN, Paris, France.
Filed July 18, 1947, Serial No. 528,872. Published Oct. 12, 1948. Class 42.

506,180. WORK GLOVES MADE OF LEATHER AND CANTON FLANNEL. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,007. Published Oct. 12, 1948. Class 39.

506,181. WORK GLOVES MADE OF LEATHER AND CANTON FLANNEL. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,018. Published Oct. 5 1948. Class 39.

506,182. FABRIC WORK GLOVES. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,028. Published Oct. 5, 1948. Class 39.

506,183. FABRIC WORK GLOVES. GOOD LUCK GLOVE COMPANY, Carbondale, Ill.
Filed July 21, 1947, Serial No. 529,030. Published Oct. 5, 1948. Class 39.

506,184. SAIL BOATS WITH OR WITHOUT AUXILIARY POWER. PALMER SCOTT & COMPANY, INC., New Bedford, Mass.
Filed July 22, 1947, Serial No. 529,191. Published Oct. 12, 1948. Class 19.

506,185. INFANTS' AND CHILDREN'S WEAR—NAMELY, COATS, JACKETS, SNOW SUITS, LEGGINGS AND LEGGING SETS, OVERALLS, ETC. JACOBS BROS., Hoboken, N. J.
Filed July 25, 1947, Serial No. 529,465. Published Oct. 5, 1948. Class 39.

506,186. LEATHER SHOES FOR MEN. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va.
Filed July 28, 1947, Serial No. 529,751. Published Oct. 5, 1948. Class 39.

506,187. HOUSE ORGANS PUBLISHED PERIODICALLY. ARMSTRONG CORK COMPANY, Lancaster, Pa.
Filed July 30, 1947, Serial No. 529,951. Published Oct. 19, 1948. Class 38.

506,188. CHEESE. PETER JENSEN, Copenhagen, Denmark.
Filed July 30, 1947, Serial No. 530,006. Published Oct. 5, 1948. Class 46.

506,189. SHOES MADE OF RUBBER AND LEATHER OR FABRIC OR COMBINATIONS THEREOF. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind.
Filed July 31, 1947, Serial No. 530,096. Published May 25, 1948. Class 39.

506,190. MEN'S AND LADIES' GLOVES MADE OF LEATHER. MARCEL WAGNER GLOVE CO., New York, N. Y.
Filed Aug. 2, 1947, Serial No. 530,326. Published Oct. 5, 1948. Class 39.

506,191. MOTOR TRUCKS. STERLING MOTOR TRUCK COMPANY, INC., West Allis, Wis.
Filed Aug. 5, 1947, Serial No. 530,587. Published Oct. 12, 1948. Class 19.

506,192. GLOVES OF LEATHER, FABRIC, OR COMBINATIONS OF LEATHER AND FABRIC. MERRY HULL & COMPANY, New York, N. Y.
Filed Aug. 9, 1947, Serial No. 530,935. Published Sept. 28, 1948. Class 39.

506,193. SAFETY PINS AND ORDINARY PINS. NEW YORK MERCHANDISE CO., INC., New York, N. Y.
Filed Aug. 13, 1947, Serial No. 531,233. Published Oct. 19, 1948. Class 40.

506,194. HOSIERY. BOONTON FULL FASHION HOSIERY MILLS, Boonton, N. J.
Filed Aug. 14, 1947, Serial No. 531,294. Published Oct. 12. 1948. Class 39.

506,195. BOOTS, SHOES, SLIPPERS, SANDALS, AND RUBBERS MADE OF LEATHER, RUBBER, CANVAS AND FABRIC, AND COMBINATIONS THEREOF, FOR MEN, WOMEN, CHILDREN, INFANTS, AND BABIES. POWELL & CAMPBELL, INC., New York, N. Y.
Filed Aug. 14, 1947, Serial No. 531,365. Published Sept. 28, 1948. Class 39.

506,196. SPORTSWEAR—NAMELY, SHIRTS AND KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Aug. 15, 1947, Serial No. 531,467. Published Oct. 19, 1948. Class 39.

506,197. UNDERWEAR—NAMELY, ONE AND TWO PIECE UNDERGARMENTS OF KNITTED, WOVEN, AND KNITTED AND WOVEN MATERIAL, FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Aug. 15, 1947, Serial No. 531,469. Published Oct. 19, 1948. Class 39.

506,198. KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C.
Filed Aug. 15, 1947, Serial No. 531,471. Published Oct. 19, 1948. Class 39.

506,199. FABRIC FOR BABY CARRIAGES—NAMELY, FLEXIBLE CALENDERED AND EMBOSSED PLASTIC SHEET MATERIAL WHICH IS SOLD EMBODIED AS A PART OF BABY CARRIAGES. HEDSTROM-UNION COMPANY, Fitchburg and Gardner, Mass.
Filed Aug. 15, 1947, Serial No. 531,473. Published Oct. 5, 1948. Class 42.

506,200. AXLES FOR MOTOR VEHICLES; BRAKE ASSEMBLIES AND STRUCTURAL PARTS THEREOF, ETC. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich.
Filed Aug. 15, 1947, Serial No. 531,545. Published Oct. 12, 1948. Class 19.

506,201. MEN'S AND BOYS' SUITS, COATS, VESTS, TROUSERS, OVERCOATS, AND DRESS SUITS. LOUIS GOLDSMITH INC., Philadelphia, Pa.
Filed Aug. 19, 1947, Serial No. 531,789. Published Oct. 19, 1948. Class 39.

506,202. KNITTED BATHING SUITS, SWEATERS, JACKETS, AND MEN'S AND WOMEN'S SCARFS. S. L. GILBERT COMPANY, INC., New York, N. Y.
Filed Aug. 20, 1947, Serial No. 531,910. Published Sept. 28, 1948. Class 39.

506,203. WOMEN'S HOSIERY AND UNDERWEAR. VAN RAALTE COMPANY, INC., New York, N. Y.
Filed Aug. 20, 1947, Serial No. 531,964. Published Mar. 23, 1948. Class 39.

506,204. CROCHET HOOKS FOR HAND USE. C. J. BATES & SON, Chester, Conn.
Filed Aug. 21, 1947, Serial No. 531,989. Published Oct. 12, 1948. Class 40.

506,205. PAPER BOXES; FOLDING BOXES OF CHIPBOARD, CARDBOARD, AND CORRUGATED BOXES. SPEAR BOX COMPANY INCORPORATED, New York, N. Y.
Filed Aug. 21, 1947, Serial No. 532,065. Published Oct. 26, 1948. Class 2.

506,206. CANNED FRUITS. WASHINGTON CANNERS COOPERATIVE, Vancouver, Wash.
Filed Aug. 25, 1947, Serial No. 532,384. Published July 27, 1948. Class 46.

506,207. MEN'S AND BOYS' CLOTHING—NAMELY, UNIONSUITS, DRAWERS, UNDER SHIRTS AND SHORTS, HOSIERY, BELTS, SUSPENDERS, SWEATERS, ETC. THE BLACK MANUFACTURING CO., Seattle, Wash.
Filed Aug. 26, 1947, Serial No. 532,426. Published Sept. 28, 1948. Class 39.

506,208. ROPE; BINDER TWINE; JUTE, HEMP, OAKUM AND SISAL TWINES; TARRED TWINES; CLOTHES LINES; AND TWINE AND ROPE TO BE USED FOR PACKINGS. THE HOOVEN & ALLISON COMPANY, Xenia, Ohio.
Filed Aug. 30, 1947, Serial No. 532,933. Published Oct. 19, 1948. Class 7.

506,209. APPAREL BELTS, SUSPENDERS, AND GARTERS. PERFECT BELT MANUFACTURING COMPANY, Atlanta, Ga.
Filed Aug. 1, 1947, Serial No. 533,110. Published Sept. 28, 1948. Class 39.

506,210. PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH INTEGRATES MATERIALS DIRECTED TO THE HANDLING OF EQUIPMENT INTO THE FLOW OF PRODUCTION. THE BOLIVAR PUBLISHING COMPANY, Cleveland, Ohio.
Filed Sept. 3, 1947, Serial No. 533,126. Published Mar. 9, 1948. Class 38.

506,211. PAJAMAS AND PARTICULARLY PAJAMAS HAVING SNUG-FITTING ANKLE, WRIST, AND NECK OPENINGS AND KNOWN AS SKI-PAJAMAS. WILTON MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Sept. 3, 1947, Serial No. 533,220. Published Sept. 14, 1948. Class 39.

506,212. SOLE LEATHER PRODUCTS—NAMELY, CUT SOLES, HEELS, AND TAPS. J. GREENEBAUM TANNING CO., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 533,475. Published Sept. 28, 1948. Class 39.

506,213. FOLDING CARTS FOR BABIES. A. E. PETERSON MFG. CO., Glendale, Calif.
Filed Sept. 5, 1947, Serial No. 533,612. Published Oct. 26, 1948. Class 19.

506,214. TELEPHONE DIRECTORIES. GENERAL TELEPHONE DIRECTORY COMPANY, Long Beach, Calif.
Filed Sept. 8, 1947, Serial No. 533,728. Published Oct. 19, 1948. Class 38.

506,215. HANDBAGS. MARKAY BAGS, INC., New York, N. Y.
Filed Sept. 8, 1947, Serial No. 533,758. Published Oct. 19, 1948. Class 3.

506,216. COTTON DUCK IN THE PIECE FOR ROOFING ON RAILROAD CARS AND TRUCKS. WILLIAM L. BARRELL COMPANY, New York, N. Y.
Filed Sept. 10, 1947, Serial No. 533,976. Published Oct. 5, 1948. Class 42.

506,217. THREAD. THE LINEN THREAD CO., INC., New York, N. Y.
Filed Sept. 10, 1947, Serial No. 534,028. Published Oct. 19, 1948. Class 43.

506,218. TWINE. THE LINEN THREAD CO., INC., New York, N. Y.
Filed Sept. 10, 1947, Serial No. 534,037. Published Oct. 19, 1948. Class 7.

506,219. SHOES MADE OF LEATHER. ARNOFF SHOE COMPANY, INC., New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,229. Published Oct. 19, 1948. Class 39.

506,220. KNIT GOODS—NAMELY, SWEATERS, BATHING SUITS, BATH TRUNKS, VESTS, HOSE, SCARFS; SLACKS, HATS, AND CAPS FOR MEN, WOMEN, AND CHILDREN; DRESSES FOR WOMEN AND CHILDREN; GLOVES AND MITTENS. JONES KNITTING MILLS, Los Angeles, Calif.
Filed Sept. 12, 1947, Serial No. 534,287. Published Oct. 5, 1948. Class 39.

506,221. MEN'S CLOTHING—NAMELY, OVERCOATS, SUITS, RAINCOATS, SWEATERS, ETC. MEIER & FRANK CO., INC., doing business as Meier & Frank Co., Portland, Oreg.
Filed Sept. 16, 1947, Serial No. 534,646. Published Sept. 28, 1948. Class 39.

506,222. HOUSE TRAILERS FOR AUTOMOBILES. PALACE CORPORATION, Flint, Mich.
Filed Sept. 17, 1947, Serial No. 534,809. Published Oct. 12, 1948. Class 19.

506,223. HOUSE TRAILERS FOR AUTOMOBILES. PALACE CORPORATION, Flint, Mich.
Filed Sept. 17, 1947, Serial No. 534,811. Published Oct. 12, 1948. Class 19.

506,224. BOW TIES. BERNARD GREENBERG, New York, N. Y.
Filed Sept. 19, 1947, Serial No. 534,983. Published Oct. 19, 1948. Class 39.

506,225. HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed Sept. 20, 1947, Serial No. 535,166. Published Oct. 19, 1948. Class 39.

506,226. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed Sept. 20, 1947, Serial No. 535,167. Published Oct. 19, 1948. Class 39.

506,227. HOSIERY. LE ROI HOSIERY CO. INC., New York, N. Y.
Filed Sept. 20, 1947, Serial No. 535,168. Published Oct. 19, 1948. Class 39.

506,228. LADIES' AND MISSES' LOUNGING ROBES, BATH ROBES, SLACKS, SKIRTS, DRESSES, JACKETS, OUTER SHORTS, BLOUSES, HALTERS, CULOTTES, PINAFORES, AND CHILDREN'S DRESSES, SUN SUITS, OVERALLS, LEGGING SETS, AND SNOW SUITS. TERRY-ANN SPORTSWEAR CO., New York, N. Y.
Filed Sept. 23, 1947, Serial No. 535,435. Published Oct. 19, 1948. Class 39.

506,229. WOMEN'S, MISSES', AND CHILDREN'S DRESSES. CHARLES S. GREENBERG, INC., New York, N. Y.
Filed Sept. 24, 1947, Serial No. 535,521. Published Oct. 5, 1948. Class 39.

506,230. RAILROAD PASSENGER CARS. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Sept. 25, 1947, Serial No. 535,697. Published Oct. 12, 1948. Class 19.

506,231. MEN'S AND YOUNG MEN'S TOPCOATS. SCHLOSS BROS. & CO. INC., Baltimore, Md.
Filed Sept. 26, 1947, Serial No. 535,883. Published Oct. 19, 1948. Class 39.

506,232. WOVEN TEXTILE FABRICS OF RAYON YARN, IN THE PIECE. CAMBO FABRICS, INC., New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,046. Published Oct.

506,247. GARMENTS—NAMELY, COVERALLS, OVERALLS, PANTS, OUTER SHIRTS, PLAY-SUITS, AND AUTOSUITS. THE HAWK & BUCK CO., Fort Worth, Tex.

506,262. AUTOMOTIVE EQUIPMENT AND ACCESSORIES: REAR VIEW MIRRORS AND MIRROR HEADS, LICENSE PLATE FASTENERS AND BRACKETS, GREASE RETAINERS, FUSEE AND

506,276. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,136. Published Oct. 5, 1948. Class 42.

506,232. WOVEN TEXTILE FABRICS OF RAYON YARN, IN THE PIECE. CAMEO FABRICS, INC., New York, N. Y.
Filed Sept. 29, 1947, Serial No. 536,046. Published Oct. 12, 1948. Class 42.

506,233. PLASTIC SHEETING FOR UPHOLSTERY, LUGGAGE, WALL COVERING, AND OTHER INDUSTRIAL USES. BLANCHARD DECO-PLASTICS, INC., Newark, N. J., assignor to Deco-Plastics, Inc., New York, N. Y., a corporation of New Jersey.
Filed Oct. 2, 1947, Serial No. 536,491. Published Oct. 12, 1948. Class 42.

506,234. RIBBONS IN REELS, ROLLS, AND BY THE YARD. CENTURY RIBBON MILLS, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 537,004. Published Oct. 12, 1948. Class 42.

506,235. FOOD LABELS. MUIRSON LABEL CO., INC., San Jose, Calif.
Filed Oct. 7, 1947, Serial No. 537,066. Published Oct. 19, 1948. Class 38.

506,236. MEN'S AND BOYS' HATS. BEE HAT & CAP CO., St. Louis, Mo.
Filed Oct. 8, 1947, Serial No. 537,181. Published May 25, 1948. Class 39.

506,237. HOSIERY. FRANK J. DOHERTY, doing business as Doherty Hosiery Co., New York, N. Y.
Filed Oct. 9, 1947, Serial No. 537,298. Published Sept. 7, 1948. Class 39.

506,238. JUNIOR MISSES' DRESSES. SCHARF BRENNER MANUFACTURING COMPANY, Philadelphia, Pa.
Filed Oct. 9, 1947, Serial No. 537,365. Published Sept. 7, 1948. Class 39.

506,239. CLOTHING—NAMELY, WORK SHIRTS, JACKETS, PANTS, OVERALLS, COVERALLS, AND DUNGAREES. ECKBRO MANUFACTURING COMPANY, Chicago, Ill.
Filed Oct. 10, 1947, Serial No. 537,439. Published Oct. 12, 1948. Class 39.

506,240. COFFEES. DUNCAN COFFEE COMPANY, Houston, Tex.
Filed Oct. 11, 1947, Serial No. 537,575. Published Oct. 12, 1948. Class 46.

506,241. MEN'S OVERCOATS. HERBERT MANUFACTURING COMPANY, St. Paul, Minn.
Filed Oct. 13, 1947, Serial No. 537,692. Published Oct. 12, 1948. Class 39.

506,242. COMBS. S. & G. RUBBER COMPANY, INC., New York, N. Y.
Filed Oct. 13, 1947, Serial No. 537,735. Published Oct. 19, 1948. Class 40.

506,243. WOMEN'S SHOES MADE OF LEATHER, RUBBER, OR FABRIC, AND COMBINATIONS THEREOF. HUISKAMP BROTHERS CO., Keokuk, Iowa.
Filed Oct. 14, 1947, Serial No. 537,799. Published Oct. 5, 1948. Class 39.

506,244. PORTABLE TRAVEL CASES OR HOLDERS IN THE NATURE OF BAGGAGE, ETC. HALLCRAFT COMPANY, Scarsdale, N. Y.
Filed Oct. 17, 1947, Serial No. 538,130. Published Oct. 19, 1948. Class 3.

506,245. MEN'S HATS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed Oct. 17, 1947, Serial No. 538,137. Published Aug. 10, 1948. Class 39.

506,246. LADIES' AND MISSES' DRESSES, MAIDS' AND NURSES' UNIFORMS, SMOCKS, HOUSE DRESSES, AND APRONS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed Oct. 17, 1947, Serial No. 538,138. Published Aug. 10, 1948. Class 39.

506,247. GARMENTS—NAMELY, COVERALLS, OVERALLS, PANTS, OUTER SHIRTS, PLAY-SUITS, AND AUTOSUITS. THE HAWK & BUCK CO., Fort Worth, Tex.
Filed Oct. 20, 1947, Serial No. 538,408. Published Oct. 19, 1948. Class 39.

506,248. CANNED VEGETABLES AND CANNED TOMOTO JUICE. H. P. CANNON & SON, INC., Bridgeville, Del.
Filed Oct. 21, 1947, Serial No. 538,493. Published Oct. 12, 1948. Class 46.

506,249. FABRICS IN THE PIECE MADE OF SILK, RAYON, AND MIXTURES THEREOF. STUNZI SONS SILK COMPANY, INC., New York, N. Y.
Filed Oct. 23, 1947, Serial No. 538,824. Published Sept. 28, 1948. Class 42.

506,250. FABRIC AND LEATHER GLOVES. WIMELBACHER & RICE INC., New York, N. Y.
Filed Oct. 24, 1947, Serial No. 538,999. Published Sept. 28, 1948. Class 39.

506,251. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE INC., New York, N. Y.
Filed Oct. 24, 1947, Serial No. 539,000. Published Sept. 28, 1948. Class 39.

506,252. LADIES' LEATHER AND FABRIC GLOVES. WIMELBACHER & RICE INC., New York, N. Y.
Filed Oct. 24, 1947, Serial No. 539,002. Published Sept. 28, 1948. Class 39.

506,253. PIECE GOODS MADE OF RAYON FABRIC. STONECUTTER MILLS CORPORATION, New York, N. Y.
Filed Nov. 6, 1947, Serial No. 540,334. Published Sept. 28, 1948. Class 42.

506,254. PRINCESS SLIPS, NIGHTGOWNS, LADIES' UNIFORMS FOR WORK PURPOSES, PAJAMAS, CHEMISES, AND CHILDREN'S PRINCESS SLIPS, NIGHTGOWNS, PAJAMAS AND CHEMISES OF A PERCALE FABRIC. I. SCHNEIBERSON & SONS, INC., New York, N. Y.
Filed Nov. 7, 1947, Serial No. 540,460. Published Sept. 28, 1948. Class 39.

506,255. HAT BODIES AND HATS FOR WOMEN AND CHILDREN. HENRY POLLAK, INC., New York, N. Y.
Filed Nov. 8, 1947, Serial No. 540,573. Published Aug. 10, 1948. Class 39.

506,256. HAT BRAIDS MADE OF COTTON, RAYON, AND CELLULOSE FIBRES. HENRY POLLAK, INC., New York, N. Y.
Filed Nov. 8, 1947, Serial No. 540,577. Published Aug. 10, 1948. Class 40.

506,257. LADIES' AND MISSES' COATS, SUITS, DRESSES, OUTER SKIRTS, AND WAISTS. THE PRINTZ-BIEDERMAN COMPANY, Cleveland, Ohio.
Filed Nov. 8, 1947, Serial No. 540,587. Published Aug. 17, 1948. Class 39.

506,258. DUMP-WAGONS, WHEEL TRACTOR-DUMP-WAGON COMBINATIONS, AND STRUCTURAL PARTS FOR SUCH PRODUCTS. CATERPILLAR TRACTOR CO., Peoria, Ill.
Filed Nov. 10, 1947, Serial No. 540,644. Published Oct. 12, 1948. Class 19.

506,259. GIRLS' AND WOMEN'S DRESSES, COATS, JACKETS, AND BLOUSES. LANG-KOHN, INC., St. Louis, Mo.
Filed July 31, 1947, Serial No. 541,059. Published Oct. 19, 1948. Class 39.

506,260. FRUIT PRESERVES. ALLISON-BEDFORD COMPANY, Chicago, Ill.
Filed Nov. 14, 1947, Serial No. 541,063. Published Oct. 12, 1948. Class 46.

506,261. LADIES' UNDERGARMENTS, SPECIFICALLY PANTIES. S. & S. UNDERGARMENT COMPANY, New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,342. Published Oct. 12, 1948. Class 39.

506,262. AUTOMOTIVE EQUIPMENT AND ACCESSORIES: REAR VIEW MIRRORS AND MIRROR HEADS, LICENSE PLATE FASTENERS AND BRACKETS, GREASE RETAINERS, FUSEE AND FLAG CARRIERS. U. S. TOOL & MFG. CO., Chicago, Ill.
Filed Nov. 15, 1947, Serial No. 541,361. Published Oct. 26, 1948. Class 19.

506,263. COTTON, SILK, AND MERCERIZED LINEN, AND RAYON THREAD, AND COTTON YARN. JULIUS COHEN & SONS, INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,811. Published Oct. 19, 1948. Class 43.

506,264. WOOLEN PIECE GOODS AND PURE WOOLEN BLANKETS. DANIEL W. FARNSWORTH, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,822. Published Oct. 12, 1948. Class 42.

506,265. LADIES' AND MISSES' HATS AND LEATHER AND FABRIC GLOVES. DAVE HERSTEIN, CO., INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,839. Published Oct. 12, 1948. Class 39.

506,266. WOOLEN AND WORSTED PIECE GOODS, USED IN THE MANUFACTURE OF LADIES' COATS AND SUITS. DANIEL W. FARNSWORTH, New York, N. Y.
Filed Nov. 22, 1947, Serial No. 542,019. Published Oct. 12, 1948. Class 42.

506,267. MOTOR CARS. PLAYBOY MOTOR CAR CORPORATION, Buffalo, N. Y.
Filed Nov. 24, 1947, Serial No. 542,166. Published Sept. 28, 1948. Class 19.

506,268. BILLFOLDS COMBINED WITH MULTIPLE PASS CASES, AND MULTIPLE PASS CASES. BUXTON, INCORPORATED, Springfield, Mass.
Filed Dec. 3, 1947, Serial No. 543,091. Published Oct. 19, 1948. Class 3.

506,269. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,099. Published Oct. 5, 1948. Class 42.

506,270. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,104. Published Oct. 5, 1948. Class 42.

506,271. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,112. Published Sept. 28, 1948. Class 42.

506,272. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,114. Published Sept. 28, 1948. Class 42.

506,273. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,117. Published Sept. 28, 1948. Class 42.

506,274. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,127. Published Oct. 12, 1948. Class 42.

506,275. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,133. Published Oct. 12, 1948. Class 42.

506,276. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,136. Published Oct. 5, 1948. Class 42.

506,277. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,144. Published Oct. 5, 1948. Class 42.

506,278. WIPING, CLEANING, AND POLISHING RAGS. SOUTHERN WASTE MATERIAL COMPANY, INC., Dallas, Tex.
Filed Dec. 3, 1947, Serial No. 543,230. Published Sept. 28, 1948. Class 42.

506,279. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed Dec. 5, 1947, Serial No. 543,551. Published Oct. 26, 1948. Class 19.

506,280. BICYCLES. THE WESTFIELD MANUFACTURING COMPANY, Westfield, Mass.
Filed Dec. 5, 1947, Serial No. 543,552. Published Oct. 26, 1948. Class 19.

506,281. LADIES' DRESSES. MIKE LEVINE & CO., New York, N. Y.
Filed Dec. 8, 1947, Serial No. 543,723. Published Oct. 5, 1948. Class 39.

506,282. TEXTILE FABRICS IN THE PIECE OF RAYON. FOLKER FABRICS CORPORATION, New York, N. Y.
Filed Dec. 9, 1947, Serial No. 543,804. Published Oct. 12, 1948. Class 42.

506,283. CAPS AND HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed Dec. 10, 1947, Serial No. 543,921. Published Oct. 19, 1948. Class 39.

506,284. TWO-SUITERS AND COMPANION BAGS; AND LADIES' LUGGAGE, ETC. STEIN BROS. MFG. CO., Chicago, Ill.
Filed Dec. 10, 1947, Serial No. 544,002. Published Oct. 19, 1948. Class 3.

506,285. FIBROUS AND TEXTILE CABLES, ROPES, AND TWINES. PLYMOUTH CORDAGE COMPANY, Plymouth and North Plymouth, Mass.
Filed Dec. 12, 1947, Serial No. 544,191. Published Oct. 19, 1948. Class 7.

506,286. WOMEN'S OUTER COATS AND SUITS. WESTERN GARMENT COMPANY, St. Louis, Mo.
Filed Dec. 12, 1947, Serial No. 544,235. Published Oct. 19, 1948. Class 39.

506,287. PAPER BAGS. THE CRAFT BAG CORPORATION, Brooklyn, N. Y.
Filed Dec. 15, 1947, Serial No. 544,327. Published Oct. 12, 1948. Class 2.

506,288. UNDERWEAR FOR INFANTS, CHILDREN, AND WOMEN. MIKE SCHULMAN, INC., New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,467. Published Oct. 19, 1948. Class 39.

506,289. WOOLEN AND WORSTED PIECE GOODS. FRED R. ALLMANN, doing business as F. R. Allmann Woolen Co., Brooklyn, N. Y.
Filed Dec. 17, 1947, Serial No. 544,526. Published Oct. 12, 1948. Class 42.

506,290. LADIES', MISSES', AND GIRLS' SWEATERS, KNITTED DRESSES, AND JACKETS. SUE SHELTON, INC., Shelton, Conn., and New York, N. Y., assignor to The Lerner Company, New York, N. Y., a firm composed of Louis Lerner and Abraham Lerner.
Filed Dec. 18, 1947, Serial No. 544,783. Published Oct. 5, 1948. Class 39.

506,291. COTTON FABRICS IN THE PIECE. FISBA FABRICS, INC., New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,860. Published Oct. 12, 1948. Class 42.

506,292. LADIES' AND MISSES' BLOUSES. NATIONAL BLOUSE CORPORATION, New York, N. Y.

506,308. WOMEN'S AND MISSES' DRESSES AND EVENING GOWNS. BEAUTIME FORMALS, INC., New

506,322. MEN'S HAND LUGGAGE—WARDROBE CASES, OVERNIGHT CASES, AND HARDSIDE

506,337. COTTON GOODS IN THE PIECE. ALICE F. WOLFF, Brooklyn, N. Y.
Filed Mar. 10, 1948, Serial No. 551,674. Published

506,292. LADIES' AND MISSES' BLOUSES. NATIONAL BLOUSE CORPORATION, New York, N. Y.
Filed Dec. 19, 1947, Serial No. 544,899. Published Oct. 12, 1948. Class 39.

506,293. LINEN SMALL WARES—NAMELY, TABLE CLOTHS, NAPKINS, TOWELS, SHEETS, PILLOWCASES, TEA CLOTHS, AND BUREAU AND SIDEBOARD SCARFS AND LINEN PIECE GOODS. YORK STREET FLAX SPINNING CO. LIMITED, Belfast, Ireland.
Filed Dec. 19, 1947, Serial No. 544,956. Published Oct. 12, 1948. Class 42.

506,294. PIECE GOODS OF SILK, WOOL, SYNTHETIC FIBERS, AND COMBINATIONS THEREOF. JOSEPH BERLINGER COMPANY, New York, N. Y.
Filed Dec. 20, 1947, Serial No. 544,967. Published Oct. 12, 1948. Class 42.

506,295. PERIODICAL PUBLICATION. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed Dec. 20, 1947, Serial No. 545,055. Published Sept. 21, 1948. Class 38.

506,296. SUIT CASES, TRAVELING BAGS, PORTFOLIOS, WARDROBES, OVERNIGHT BAGS, AND TRUNKS. CROUCH & FITZGERALD CORPORATION, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,242. Published Oct. 19, 1948. Class 3.

506,297. CHILDREN'S UNDERGARMENTS, SPECIFICALLY PANTIES. S. & S. UNDERGARMENT COMPANY, New York, N. Y.
Filed Dec. 23, 1947, Serial No. 545,301. Published Oct. 12, 1948. Class 39.

506,298. LADIES' HATS. W. H. GOODSTEIN MILLINERY CO., INC., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,365. Published Oct. 12, 1948. Class 39.

506,299. LADIES' HATS. W. H. GOODSTEIN MILLINERY CO., INC., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,366. Published Oct. 12, 1948. Class 39.

506,300. LADIES' HATS. W. H. GOODSTEIN MILLINERY CO., INC., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,368. Published Oct. 12, 1948. Class 39.

506,301. LADIES' HATS. W. H. GOODSTEIN MILLINERY CO., INC., Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,369. Published Oct. 12, 1948. Class 39.

506,302. WOMEN'S DRESSES. LAURA LEE FROCKS, INC., St. Louis, Mo.
Filed Dec. 26, 1947, Serial No. 545,492. Published Oct. 12, 1948. Class 39.

506,303. WOOLEN BLANKETS. PENDLETON WOOLEN MILLS, Pendleton and Portland, Oreg.
Filed Dec. 26, 1947, Serial No. 545,530. Published Oct. 12, 1948. Class 42.

506,304. INFANTS' AND CHILDREN'S GARMENTS—NAMELY, PLAYSUITS, OVERALLS, SNOW SUITS, CRAWLERS, ETC. SIMON & MOGILNER, St. Paul, Minn.
Filed Dec. 29, 1947, Serial No. 545,653. Published Oct. 12, 1948. Class 39.

506,305. NEWSPAPER. BUFFALO COURIER EXPRESS, INC., Buffalo, N. Y.
Filed Jan. 5, 1948, Serial No. 546,186. Published Oct. 5, 1948. Class 38.

506,306. COTTON YARNS. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Jan. 7, 1948, Serial No. 546,361. Published Oct. 19, 1948. Class 43.

506,307. FASTENERS, SUPPORTERS, AND/OR COUPLING DEVICES FOR UNDERGARMENTS. THE GOVERNOR FASTENER COMPANY, New York, N. Y.
Filed Jan. 8, 1948, Serial No. 546,492. Published Oct. 19, 1948. Class 40.

506,308. WOMEN'S AND MISSES' DRESSES AND EVENING GOWNS. BEAUTIME FORMALS, INC., New York, N. Y.
Filed Jan. 12, 1948, Serial No. 546,751. Published Oct. 19, 1948. Class 39.

506,309. LADIES', MISSES', AND CHILDREN'S SPORTSWEAR OUTER GARMENTS — NAMELY, SHORTS, SLACKS, SKIRTS, SHIRTS, AND BLOUSES. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Upland, Pa.
Filed Jan. 13, 1948, Serial No. 546,865. Published Oct. 19, 1948. Class 39.

506,310. PERIODIC PUBLICATION. EXECUTIVES' RADIO SERVICE, Larchmont, N. Y.
Filed Jan. 14, 1948, Serial No. 546,987. Published Oct. 5, 1948. Class 38.

506,311. AUTOMOBILE SEAT COVERS. RAYCO MFG. CO., Paterson, N. J.
Filed Jan. 14, 1948, Serial No. 547,032. Published Oct. 12, 1948. Class 19.

506,312. WHEELED KNEELING PADS. JACOB W. FRANK, doing business as Frank's Wood Products, Grand Rapids, Mich.
Filed Jan. 15, 1948, Serial No. 547,108. Published Oct. 12, 1948. Class 19.

506,313. WINDSHIELD WIPER BLADES AND ARMS. TRICO PRODUCTS CORPORATION, Buffalo, N. Y.
Filed Jan. 16, 1948, Serial No. 547,295. Published Oct. 26, 1948. Class 19.

506,314. HANDBAGS AND POCKETBOOKS. BROSSEAU & COMPANY, INC., New York, N. Y.
Filed Jan. 23, 1948, Serial No. 547,823. Published Oct. 19, 1948. Class 3.

506,315. TRUNKS, TRAVELING BAGS, POCKETBOOKS, OVERNIGHT BAGS, HAT BOXES OF LEATHER OR THE LIKE USED FOR TRAVELING PURPOSES, VALISES, GLADSTONE BAGS, AND BRIEF CASES. ABRAHAM BORETZ, doing business as Boretz Manufacturing Company, New York, N. Y.
Filed Jan. 27, 1948, Serial No. 548,045. Published Oct. 19, 1948. Class 3.

506,316. SERIES OF BOOKS PUBLISHED FROM TIME TO TIME. MCLOUGHLIN BROS., INC., Springfield, Mass.
Filed Nov. 12, 1947, Serial No. 549,348. Published Oct. 5, 1948. Class 38.

506,317. HAND LUGGAGE — OVERNIGHT CASES, WARDROBE CASES, TRAIN OR MAKE-UP BOXES, HAT AND SHOE BOXES, AND PULLMAN CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed Feb. 17, 1948, Serial No. 549,921. Published Oct. 19, 1948. Class 3.

506,318. HAND LUGGAGE — OVERNIGHT CASES, WARDROBE CASES, TRAIN OR MAKE-UP BOXES, HAT AND SHOE BOXES, AND PULLMAN CASES. GLADSTONE CASE MFG. CO., INC., Chicago, Ill.
Filed Feb. 17, 1948, Serial No. 549,922. Published Oct. 19, 1948. Class 3.

506,319. TRUNKS—WARDROBE, TAXI, STEAMER, AND DRESS; ETC. INDESTRUCTO TRUNK & LUGGAGE CO., Mishawaka, Ind.
Filed Feb. 17, 1948, Serial No. 549,932. Published Oct. 19, 1948. Class 3.

506,320. TRUNKS—WARDROBE, DRESS, STEAMER, AND TAXI, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,954. Published Oct. 19, 1948. Class 3.

506,321. TRUNKS—WARDROBE, STEAMER, DRESS, AND TAXI; HAND LUGGAGE—OVERNIGHTS, PULLMANS, WARDROBES, HAT AND SHOE CASES, DUFFLE BAGS, ZIPPER BAGS, LAUNDRY CASES, AND OVERSEAS CASES. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,955. Published Oct. 19, 1948. Class 3.

506,322. MEN'S HAND LUGGAGE—WARDROBE CASES, OVERNIGHT CASES, AND HARDSIDE CASES. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,956. Published Oct. 26, 1948. Class 3.

506,323. TRUNKS—WARDROBE, TAXI, STEAMER, AND DRESS TRUNKS, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,957. Published Oct. 26, 1948. Class 3.

506,324. TRUNKS—WARDROBE, TAXI, STEAMER, AND DRESS, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,958. Published Oct. 19, 1948. Class 3.

506,325. TRUNKS—WARDROBE, TAXI, STEAMER, AND DRESS, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,959. Published Oct. 19, 1948. Class 3.

506,326. TRUNKS—WARDROBE, TAXI, STEAMER, AND DRESS, ETC. OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis.
Filed Feb. 17, 1948, Serial No. 549,960. Published Oct. 19, 1948. Class 3.

506,827. KNITTING PINS, CROCHET HOOKS, AFGHAN HOOKS, SOCK NEEDLES, TATTING SHUTTLES, STITCH HOLDERS. ROYAL SOCIETY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,555. Published Oct. 19, 1948. Class 40.

506,328. KNITTING PINS, CROCHET HOOKS, AFGHAN HOOKS, SOCK NEEDLES, TATTING SHUTTLES, STITCH HOLDERS. ROYAL SOCIETY, INC., New York, N. Y.
Filed Feb. 25, 1948, Serial No. 550,556. Published Oct. 19, 1948. Class 40.

506,329. STAMPED GOODS FOR EMBROIDERY AND SEWING NEEDLES, CROCHETING NEEDLES, EMBROIDERY NEEDLES, KNITTING NEEDLES, AND TAPESTRY NEEDLES, ALL FOR HAND USE. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed Feb. 26, 1948, Serial No. 550,596. Published Oct. 19, 1948. Class 40.

506,330. PARTLY FINISHED NEEDLEPOINT TAPESTRY AND STAMPED GOODS FOR EMBROIDERY AND BEADS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed Feb. 26, 1948, Serial No. 550,597. Published Oct. 19, 1948. Class 40.

506,331. WIRE ROPE. MACWHYTE COMPANY, Kenosha, Wis.
Filed Feb. 28, 1948, Serial No. 550,814. Published Oct. 19, 1948. Class 7.

506,332. PILLOW CASES. RIEGEL TEXTILE CORPORATION, New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,831. Published Sept. 28, 1948. Class 42.

506,333. YARNS MADE OF SILK, RAYON, WOOL, AND COTTON AND MIXTURES THEREOF. BERNHARD ALTMANN, New York, N. Y.
Filed Mar. 1, 1948, Serial No. 550,886. Published Oct. 26, 1948. Class 43.

506,334. RUBBER THREADS. RHEB ELASTIC THREAD CORPORATION, Warren, R. I.
Filed Mar. 2, 1948, Serial No. 551,044. Published Oct. 26, 1948. Class 43.

506,335. THREAD AND YARN. THE SPOOL COTTON COMPANY, New York, N. Y.
Filed Mar. 2, 1948, Serial No. 551,058. Published Oct. 26, 1948. Class 43.

506,336. WOOLEN YARNS, AND KNITTING WORSTED. S. S. KRESGE COMPANY, Detroit, Mich.
Filed Mar. 3, 1948, Serial No. 551,112. Published Oct. 26, 1948. Class 43.

506,337. COTTON GOODS IN THE PIECE. ALICE F. WOLFF, Brooklyn, N. Y.
Filed Mar. 10, 1948, Serial No. 551,674. Published Sept. 28, 1948. Class 42.

506,338. CLOTHS AND STUFFS OF WOOL, WORSTED OR HAIR. SIR JACOB BEHRENS & SONS, Bradford, England.
Filed Mar. 11, 1948, Serial No. 551,684. Published Sept. 28, 1948. Class 42.

506,339. SAFETY PINS. THE WARREN FEATHERBONE COMPANY, Three Oaks, Mich.
Filed Mar. 11, 1948, Serial No. 551,705. Published Oct. 19, 1948. Class 40.

506,340. BATH AND HAND TOWELS, WASHCLOTHS, AND BATH MATS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed Mar. 13, 1948, Serial No. 551,905. Published Oct. 5, 1948. Class 42.

506,341. PIECE GOODS MADE OF RAYON AND COTTON MIXTURES. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed Mar. 15, 1948, Serial No. 552,004. Published Oct. 5, 1948. Class 42.

506,342. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, RAYON, NYLON, PROTEIN FIBERS, OR MIXTURES THEREOF. CROMPTON COMPANY, West Warwick, R. I.
Filed Mar. 18, 1948, Serial No. 552,234. Published Oct. 5, 1948. Class 42.

506,343. YARNS WHOLLY OR MAINLY OF WOOL OR WORSTED. BATES & CO (HUDDERSFIELD), LIMITED, Huddersfield, England.
Filed Feb. 17, 1948, Serial No. 552,530. Published Oct. 26, 1948. Class 43.

506,344. PIECE GOODS OF RAYON, SILK, WOOL, COTTON, OR COMBINATIONS THEREOF. BLOOMSBURG MILLS, INC., New York, N. Y.
Filed Mar. 20, 1948, Serial No. 552,567. Published Oct. 5, 1948. Class 42.

506,345. CLOTHES LINES. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Mar. 25, 1948, Serial No. 552,945. Published Oct. 26, 1948. Class 7.

506,346. TICKING, SOLD IN THE PIECE. WENNONAH COTTON MILLS COMPANY, Lexington, N. C.
Filed Mar. 27, 1948, Serial No. 553,228. Published Oct. 5, 1948. Class 42.

506,347. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,403. Published Oct. 5, 1948. Class 42.

506,348. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,404. Published Oct. 5, 1948. Class 42.

506,349. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,406. Published Oct. 5, 1948. Class 42.

506,350. BROAD SILKS IN THE PIECE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,407. Published Oct. 5, 1948. Class 42.

506,351. MAGAZINE (PERIODICAL). HERCULES POWDER COMPANY, Wilmington, Del.
Filed Jan. 19, 1948, Serial No. 556,718. Published Oct. 19, 1948. Class 38.

506,352. CEREAL GRAIN, PROCESSED BY PRECOOKING OR STEAMING—NAMELY, RICE. GENERAL AMERICAN TRANSPORTATION CORPORATION, Chicago, Ill.
Filed June 10, 1948, Serial No. 558,883. Published Oct. 12, 1948. Class 46.

506,362. (CLASS 39. CLOTHING.) BROOKSIDE MANUFACTURING CORP., New York, N. Y. Filed, Sept. 22,

506,367. (CLASS 39. CLOTHING.) THE W. L. KREIDER'S SONS MFG. CO. INC., Palmyra, Pa. Filed Oct. 23, 1948; originally filed, act of 1905, May 19,

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

506,353. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) GEORGE UMBRELLA CO., INC., New York, N. Y. Filed Nov. 6, 1948; originally filed, act of 1905, May 11, 1946, Serial No. 501,906.

Miss George

FOR UMBRELLAS.
Claims use since Apr. 11, 1946.

506,354. (CLASS 39. CLOTHING.) WALDA SCOTT ORIGINALS, INC., New York, N. Y., assignee of Morris Millard, Inc. Filed Apr. 20, 1948; originally filed, act of 1905, July 9, 1946, Serial No. 505,310.

Walda Scott

The name is fanciful.
FOR WOMEN'S COATS AND SUITS.
Claims use since Apr. 15, 1946.

506,355. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, doing business as Roman Stripe Hosiery, Easton, Pa., and New York, N. Y. Filed Feb. 4, 1948; originally filed, act of 1905, Sept. 4, 1946, Serial No. 508,467.

SUPPLE-SEAM

FOR HOSIERY.
Claims use since Aug. 23, 1946.

506,356. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BOTTLED GAS CORPORATION, Davenport, Iowa. Filed June 15, 1948; originally filed, act of 1905, Sept. 28, 1946, Serial No. 509,912.

FLAMEGAS

FOR BOTTLED GAS FOR USE IN COOKING, WATER HEATING, REFRIGERATION, SPACE HEATING, LIGHTING, AND STEEL CUTTING.
Claims use since Sept. 6, 1946.

506,357. (CLASS 39. CLOTHING.) G. V. MAZZA GLOVE CO. INC., New York, N. Y. Filed June 5, 1948; originally filed, act of 1905, Oct. 8, 1946, Serial No. 510,439.

MILAN DOE

FOR GLOVES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF.
Claims use since June 3, 1946.

506,358. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CONTINENTAL PRODUCTS COMPANY, Flint, Mich. Filed Jan. 22, 1948; originally filed, act of 1905, Dec. 13, 1946, Serial No. 514,184.

SLENDER FORM

FOR AN ALL-HERB PREPARATION FOR REDUCING.
Claims use since Nov. 15, 1946.

506,359. (CLASS 39. CLOTHING.) ALVIN NATELSON, New York and Amityville, N. Y. Filed Aug. 11, 1948; originally filed, act of 1905, Dec. 17, 1946, Serial No. 514,428.

Little-Bit

FOR CHILDREN'S PAJAMAS AND NIGHTGOWNS.
Claims use since Nov. 15, 1946.

506,360. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON ALFRED ROSSITER, doing business as Brawley Drug Co., Brawley, Calif. Filed Aug. 10, 1948; originally filed, act of 1905, Jan. 16, 1947, Serial No. 515,846.

"ONE A TRIP"

FOR MEDICINAL PREPARATION FOR THE PREVENTION OF NAUSEA.
Claims use since Nov. 13, 1946.

506,361. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, doing business as Roman Stripe Hosiery, Easton, Pa., and New York, N. Y. Filed Feb. 4, 1948; originally filed, act of 1905, Jan. 27, 1947, Serial No. 516,395.

SHEER-SIDE OUT

FOR HOSIERY.
Claims use since Jan. 9, 1947.

506,362. (CLASS 39. CLOTHING.) BROOKSIDE MANUFACTURING CORP., New York, N. Y. Filed Sept. 22, 1948; originally filed, act of 1905, Feb. 17, 1947, Serial No. 517,610.

Lacey Miss Bra

FOR BRASSIÈRES.
Claims use since Oct. 15, 1946.

506,363. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THERESA G. BROGAN, doing business as J. M. Hall Co., Providence, R. I. Filed Jan. 14, 1948; originally filed, act of 1905, Feb. 18, 1947, Serial No. 517,696.

Hall OF PROVIDENCE

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES—NAMELY, BRACELETS, LOCKETS, EARRINGS, AND CROSSES ON NECK-CHAINS.
Claims use since September 1946.

506,364. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE DOW MECHANICAL CORPORATION, Thompsonville, Conn. Filed Feb. 19, 1948; originally filed, act of 1905, Feb. 25, 1947, Serial No. 518,072.

DOW-GAGE

FOR INTERNAL LENGTH COMPARATOR GAGES.
Claims use since Feb. 8, 1947.

506,365. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BRYAN FULL FASHIONED MILLS, INC., Chattanooga, Tenn. Filed Feb. 21, 1948; originally filed, act of 1905, Mar. 19, 1947, Serial No. 519,256.

BRYAN'S
LENGTH-O-GRAPH

FOR RULER USED FOR MEASURING THE LENGTHS AND WIDTHS OF HOSIERY.
Claims use since Jan. 21, 1947.

506,366. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ENGER-KRESS COMPANY, West Bend, Wis. Filed Sept. 13, 1948; originally filed, act of 1905, Apr. 5, 1947, Serial No. 520,205.

MEM-O-PURSE

FOR PURSES AND BILLFOLDS.
Claims use since Mar. 14, 1947.

506,367. (CLASS 39. CLOTHING.) THE W. L. KREIDER'S SONS MFG. CO. INC., Palmyra, Pa. Filed Oct. 23, 1948; originally filed, act of 1905, May 19, 1947, Serial No. 522,637.

Saddle-Mates

FOR INFANTS', CHILDREN'S, MISSES' AND GROWING GIRLS' SHOES MADE OF LEATHER, FABRIC, OR COMPOSITIONS AND COMBINATIONS THEREOF.
Claims use since February 1942.

506,368. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WATTERWORTH CORPORATION, Detroit, Mich. Filed July 7, 1948; originally filed, act of 1905, May 19, 1947, Serial No. 522,676.

SURE-FLO

FOR CHEMICAL COMPOUND USED FOR CLEANING DRAINS AND SEWERS.
Claims use since May 9, 1947.

506,369. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) PROFESSIONAL MANUFACTURING COMPANY, Chicago, Ill. Filed July 22, 1948; originally filed, act of 1905, May 21, 1947, Serial No. 522,743.

Vibra-Table

FOR OPERATING OR PREPARATION TABLES USED IN THE UNDERTAKING BUSINESS.
Claims use since Apr. 4, 1947.

506,370. (CLASS 39. CLOTHING.) ARTISTIC FOUNDATIONS, INC., New York, N. Y. Filed May 26, 1948; originally filed, act of 1905, May 21, 1947, Serial No. 522,769.

EXTENDO

FOR GIRDLES AND FOUNDATION GARMENTS.
Claims use since May 7, 1947.

506,371. (CLASS 6. CHEMICALS, MEDICINES, AND

506,376. (CLASS 40. FANCY GOODS, FURNISHINGS,

506,381. (CLASS 39. CLOTHING.) JACK BORGENICHT,

506,384. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAILEY, PRIHODA & COM-

506,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELMO SALES CORPORATION, Philadelphia, Pa. Filed July 14, 1948; originally filed, act of 1905, June 9, 1947, Serial No. 523,831.

Creme Foam

Applicant claims ownership of registration No. 432,161.
FOR SHAMPOO.
Claims use since Jan. 29, 1947.

506,372. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAIROL, INCORPORATED, Stamford, Conn. Filed June 24, 1948; originally filed, act of 1905, June 14, 1947, Serial No. 524,173.

TINTABIT

FOR HAIR TINTS, HAIR DYES, AND SHAMPOO TINTS.
Claims use since Mar. 20, 1947.

506,373. (CLASS 39. CLOTHING.) THE BARBISON CORPORATION, New York, N. Y. Filed Sept. 9, 1948; originally filed, act of 1905, July 2, 1947, Serial No. 525,531.

COPPER PEARL

FOR LADIES' SLIPS.
Claims use since May 20, 1947.

506,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTHA L. WHITMORE, doing business as Whitmore Manufacturing Co., Jackson, Tenn. Filed Aug. 12, 1948; originally filed, act of 1905, July 2, 1947, Serial No. 525,728.

MME.
Whitmore's

FOR SCALP OILS.
Claims use since Feb. 10, 1947.

506,375. (CLASS 39. CLOTHING.) GOLDE-KAY DRESS COMPANY, New York, N. Y. Filed June 16, 1948, Serial No. 530,641.

ORIGINALS
by
GOLDE-KAY

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since June 9, 1947.

506,376. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EDWIN R. SAGE, doing business as Sage Industries, Huntington Park, Calif. Filed Nov. 6, 1948, Serial No. 532,163.

ON-TITE

FOR HAT BAND PINS AND HAT RETAINERS.
Claims use since July 31, 1947.

506,377. (CLASS 39. CLOTHING.) K & S CORSET MANUFACTURING CO., INC., New York, N. Y. Filed Aug. 24, 1948, Serial No. 535,968.

Stay-in-Form FOUNDATIONS

Applicant claims ownership of registration No. 380,532.
FOR FOUNDATION GARMENTS.
Claims use since 1921.

506,378. (CLASS 39. CLOTHING.) SEYMOUR-AVERY MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 6, 1948, Serial No. 537,367.

Stylized Comfort

The drawing is lined for red.
FOR LADIES' SLIPS.
Claims use since Jan. 6, 1947.

506,379. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) OSCAP MANUFACTURING CO. INC., Baltimore, Md. Filed Nov. 2, 1948, Serial No. 537,724.

Rodin

FOR JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES — NAMELY, FINGER RINGS, BROOCHES, BRACELETS, EARRINGS, PENDANTS, NECKLACES, CHAINS, WATCH BANDS, CUFF LINKS, TIE HOLDERS, COLLAR HOLDERS, CLASPS, CHARMS AND RING MOUNTINGS; AND THE FOLLOWING ITEMS MADE IN WHOLE OF, OR PLATED WITH PRECIOUS METAL—NAMELY, BUCKLES, LAPEL EMBLEMS, BILL CLIPS, SPOONS, FORKS, KNIVES, BOWLS, TRAYS, AND STATUETTES.
Claims use since May 10, 1947.

506,380. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HENRY POLLAK, INC., New York, N. Y. Filed Nov. 4, 1948, Serial No. 541,336.

TAGALINE

FOR TAGAL BRAIDS USED FOR MILLINERY PURPOSES.
Claims use since Oct. 1, 1947.

506,381. (CLASS 39. CLOTHING.) JACK BORGENICHT, INC., Forest City, Pa., and New York, N. Y. Filed Oct. 20, 1948, Serial No. 541,501.

Nu Girl

FOR CHILDREN'S, GIRLS', WOMEN'S, AND MISSES' DRESSES.
Claims use since Nov. 1, 1946.

506,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MADISON PRODUCTS COMPANY, Toledo, Ohio. Filed Nov. 5, 1948, Serial No. 543,822.

SAFE-TREE

FOR LIQUID CHEMICAL COMPOUND TO BE APPLIED TO TREES OR THE LIKE FOR PREVENTING FLAMING THEREOF.
Claims use since October 1947.

506,383. (CLASS 39. CLOTHING.) MILWAUKEE GLOVE COMPANY, Milwaukee, Wis. Filed Oct. 23, 1948, Serial No. 548,515.

LAUER

FOR MEN'S LEATHER DRESS GLOVES.
Claims use since January 1945.

506,384. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BAILEY, PRIHODA & COMPANY, also doing business as Lady America Home Products Co., Kalamazoo, Mich. Filed Aug. 24, 1948, Serial No. 551,681.

LADY
AMERICA

The silhouette design is fanciful.
FOR RUG SHAMPOO, SPOT REMOVER, AND GENERAL PURPOSE CLEANING COMPOUND.
Claims use since July 1946.

506,385. (CLASS 7. CORDAGE.) AMERICAN MANUFACTURING COMPANY, Brooklyn, N. Y., and Boston, Mass. Filed Sept. 28, 1948, Serial No. 552,383.

CAPSTAN

Applicant claims ownership of registration No. 146,420.
FOR ROPE, CORD AND TWINE MANUFACTURED FROM VEGETABLE FIBRE.
Claims use since June 7, 1906.

Service Marks

506,386. (CLASS 55. SERVICES.) JEFFERSON CLEANERS, South Arlington, Va. Filed Mar. 30, 1948. Serial No. 529,267.

You wear em & mess em
We clean em & press em

FOR CLEANING, PRESSING AND DYEING OF CLOTHING, WEARING APPAREL AND TEXTILES.
Claims use since October 1932.

TRADE-MARK REGISTRATIONS RENEWED

73,160. DARCOVA. Registered Mar. 23, 1909. The Darling Pump & Mfg. Co. Limited. Re-renewed Mar. 23, 1949, to Darling Valve & Manufacturing Company, Williamsport, Pa., a corporation of Pennsylvania. COMPOSITION PACKING CONTAINING RUBBER AND A REINFORCING MATERIAL IN THE FORM OF PACKING CUPS, GASKETS, AND WASHERS, FOR USE ON OIL-WELL AND OTHER PUMPS AND ON VALVES AND FAUCETS. Class 35.

73,218. "LUCKIE." AND THREE UNDERLINES. Registered Mar. 30, 1909. The Horton Manufacturing Company, Bristol, Conn., a corporation of Connecticut. Re-renewed Mar. 30, 1949. FISHING-RODS. Class 22.

73,302. KIL-VE. Registered Apr. 6, 1909. Samuel Schwarz. Re-renewed Apr. 6, 1949, to Victoria Chemical Co., Newark, N. J., a corporation of New Jersey. AN INSECTICIDE AND VERMIN DESTROYER. Class 6.

73,561. COLLATERAL. Registered Apr. 27, 1909. Esleeck Manufacturing Co., Turners Falls, Mass., a corporation of Massachusetts. Re-renewed Apr. 27, 1949. WRITING PAPER. Class 37.

235,835. "BELLPHONIC" AND DRAWING. Registered Nov. 29, 1927. The Lifton Mfg. Company, New York, N. Y., a partnership. Renewed Nov. 29, 1947. TALKING MACHINES, SOUND BOXES, PHONOGRAPHS, TALKING MACHINE NEEDLES. Class 36.

236,738. STATUE. Registered Dec. 20, 1927. Suisun Valley Fruit Grower's Association, Suisun, Calif., a corporation of California. Renewed Dec. 20, 1947. FRESH

249,229. WEBER'S. Registered Nov. 13, 1928. The Weber Medical Tea Company, Brooklyn, N. Y., a corporation of West Virginia. Renewed Nov. 13, 1948. LAXA-

255,657. TEXAVON. Registered Apr. 30, 1929. A. Klipstein & Company. Renewed Apr. 30, 1949, to American Cyanamid Company, New York, N. Y., a corporation of

255,787. "DOUBLE Q" ETC. Registered Apr. 30, 1929. P. E. Harris & Co., Seattle, Wash., a corporation of Washington. Renewed Apr. 30, 1949. CANNED FISH.

236,738. STATUE. Registered Dec. 20, 1927. Suisun Valley Fruit Grower's Association, Suisun, Calif, a corporation of California. Renewed Dec. 20, 1947. FRESH FRUITS—NAMELY, CHERRIES AND PEARS. Class 46.

239,561. FISCAL. Registered Mar. 6, 1928. B. D. Rising Paper Company. Renewed Mar. 6, 1948, to Rising Paper Company, Housatonic, Mass., a corporation of Massachusetts. INDEX, PASTED, AND WEDDING BRISTOLS, BOND, LEDGER, AND WEDDING PAPERS. Class 37.

239,864. ARKLITE. Registered Mar. 13, 1928, Pillsbury Flour Mills Company. Renewed Mar. 13, 1948, to Pillsbury Mills, Inc., Minneapolis, Minn., a corporation of Delaware. WHEAT FLOUR. Class 46.

245,153. PRINCESS PEGGY. Registered Aug. 7, 1928, Chic Manufacturing Co. Renewed Aug. 7, 1948, to Princess Peggy, Inc., Peoria, Ill., a corporation of Illinois. LADIES' APRONS AND HOUSE FROCKS. Class 39.

245,158. REPRESENTATION OF BROADWAY. Registered Aug. 7, 1928. Geo. J. Kelly, Inc., Lynn, Mass., a corporation of Massachusetts. Renewed Aug. 7, 1948. SHOE POLISHES, DRESSINGS, AND CLEANERS. Class 4.

245,174. "FRENCH SHRINER & URNER" AND DESIGN. Registered Aug. 7, 1928. French, Shriner & Urner. Renewed Aug. 7, 1948, to French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. Class 39.

245,832. PARROT. Registered Aug. 21, 1928. Pomona Fruit Growers Exchange, Pomona, Calif., a corporation of California. Renewed Aug. 21, 1948. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

247,332. "WIRTHMORE" ETC. AND REPRESENTATION OF HORSE'S HEAD AND DESIGN. Registered Sept. 25, 1928. St. Albans Grain Company, St. Albans, Vt. Renewed Sept. 25, 1948, to New England Grain Products Co., Yarmouth, Maine, a corporation of Maine. HORSE FEED. Class 46.

248,016. "BLUE CRESCENT" ETC. AND DESIGN. Registered Oct. 16, 1928. West Virginia Southern Coal Company, Huntington, W. Va. Renewed Oct. 16, 1948, to Truax-Tracer Coal Company, Chicago, Ill., a corporation of Delaware. COAL. Class 1.

248,756. "ARROWCRAFT" AND REPRESENTATION OF ARROW. Registered Oct. 30, 1928. Pi Beta Phi, Chapin, Ill., a corporation organized under the Not For Profit Corporation Act of Illinois, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn. Renewed Oct. 30, 1948. WOODEN FURNITURE—NAMELY, CHAIRS, STOOLS, TABLES, TABORETS, WALL SHELVES, AND FLOWER STANDS. Class 32.

248,856. "ARROWCRAFT" AND REPRESENTATION OF ARROW. Registered Oct. 30, 1928. Pi Beta Phi, Chapin, Ill., a corporation organized under the Not For Profit Corporation Act of Illinois, doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn. Renewed Oct. 30, 1948. TEXTILE GOODS—NAMELY, BAGS, AND BAG BODIES, BASKETS AND TRAYS OF SPLINT, OR BARK, OR WILLOW, OR CORN SHUCK, OR SIMILAR MATERIAL OR OF A COMBINATION THEREOF; AND CERTAIN WOODEN ARTICLES—NAMELY, FLOWER VASES, DRINKING-GLASS COASTERS, AND BOXES FOR HOLDING CIGARETTES OR FOR SIMILAR USE. Classes 2 and 8.

249,089. GOLDEN DAWN. Registered Nov. 6, 1928. Robinson & Golluber. Renewed Nov. 6, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. COTTON PIECE GOODS. Class 42.

249,229. WEBER'S. Registered Nov. 13, 1928. The Weber Medical Tea Company, Brooklyn, N. Y., a corporation of West Virginia. Renewed Nov. 13, 1948. LAXATIVE PREPARATIONS FOR THE TREATMENT OF CONSTIPATION AND ATTENDING ILLS SUCH AS LOSS OF APPETITE, ETC. Class 6.

249,390. KREML. Registered Nov. 13, 1928. Ernst Schaufler, Reutlingen, Germany. Renewed Nov. 13, 1948, to R. B. Semler, Inc., New Canaan, Conn., a corporation of New York. HAIR TONIC. Class 6.

249,701. "MOVIETONE" AND REPRESENTATION OF EYE AND EAR. Registered Nov. 20, 1928. Fox Case Corporation. Renewed Nov. 20, 1948, to Movietonews, Inc., New York, N. Y., a corporation of New York. MOTION PICTURES. Class 26.

249,733. "WIRTHMORE 16" ETC. AND DESIGN. Registered Nov. 20, 1928. St. Albans Grain Company, St. Albans, Vt. Renewed Nov. 20, 1948, to New England Grain Products Co., Yarmouth, Maine, a corporation of Maine. FEED FOR DAIRY STOCK. Class 46.

249,857. "SHERBROOK RAINWEAR" AND DESIGN. Registered Nov. 20, 1928. Sherman Bros. Renewed Nov. 20, 1948, to Sherman Bros., Inc., New York, N. Y., a corporation of New York. RAINCOATS FOR MEN, WOMEN, AND CHILDREN. Class 39.

250,872. TWIN-GRIP. Registered Dec. 18, 1928. French, Shriner & Urner. Renewed Dec. 18, 1948, to French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. Class 39.

252,197. CELEBRITY. Registered Jan. 29, 1929. Weinerth Knitting & Machine Co. Renewed Jan. 29, 1949, to Laurel Hosiery Company, Reading, Pa., a corporation of Pennsylvania. KNITTED UNDERWEAR AND HOSIERY FOR MEN, WOMEN, AND CHILDREN. Class 39.

252,538. SABANA. Registered Feb. 12, 1929. Jackson Brewing Company, New Orleans, La., a corporation of Louisiana. Renewed Feb. 12, 1949. MALT SYRUP. Class 46.

252,695. "THE WHETTER" AND DESIGN. Registered Feb. 12, 1929. Rolls Razor (1927) Limited, London, England. Renewed Feb. 12, 1949, to Rolls Razor, Inc., New York, N. Y., a corporation of New York. SAFETY RAZORS. Class 23.

254,636. "H.F. BYRD" ETC. AND DESIGN LINED FOR BLUE. Registered Mar. 26, 1929. H. F. Byrd. Renewed Mar. 26, 1949, to H. F. Byrd, Inc., Winchester, Va., a corporation of Virginia. FRESH APPLES. Class 46.

254,812. TRUE MARK. Registered Apr. 2, 1929. Olympia Canning Company, Olympia, Wash., a corporation of Washington. Renewed Apr. 2, 1949. CANNED FRUITS, CANNED VEGETABLES. Class 46.

255,382. SOLCASTOL. Registered Apr. 23, 1929. A. Klipstein & Company. Renewed Apr. 23, 1949, to American Cyanamid Company, New York, N. Y., a corporation of Maine. SOLUBLE CASTOR OIL. Class 6.

255,529. BLUE-BILL. Registered Apr. 23, 1929. Point Adams Packing Co., Hammond, Oreg., a corporation of Oregon. Renewed Apr. 23, 1949. CANNED SALMON. Class 46.

255,583. "REQUA'S" ETC. AND DESIGN. Registered Apr. 23, 1929. Requa Manufacturing Co., Inc., Brooklyn, N. Y., a corporation of New York. Renewed Apr. 23, 1949. CHARCOAL TABLETS, EAR OIL, CUBEB CIGARETTES, ASTHMA CIGARETTES, ASTHMA COMPOUND, ETC. Class 6.

255,657. TEXAVON. Registered Apr. 30, 1929. A. Klipstein & Company. Renewed Apr. 30, 1949, to American Cyanamid Company, New York, N. Y., a corporation of Maine. COMPOUND FOR BOILING OFF COTTON PIECE GOODS, HOSIERY, AND LIKE ARTICLES, AND SERVING ALSO AS A PENETRATING AGENT, ETC. Class 6.

255,658. SOLCORNOL. Registered Apr. 30, 1929. A. Klipstein & Company. Renewed Apr. 30, 1949, to American Cyanamid Company, New York, N. Y., a corporation of Maine. SOLUBLE CORN OIL USED AS A BOILING-OFF ASSISTANT FOR COTTON AND SILK AND ALSO AS A FINISHING SOFTENER FOR COTTON FABRICS. Class 6.

255,674. RAYNITOL. Registered Apr. 30, 1929. Nyanza Color & Chemical Co., Inc., New York, N. Y., a corporation of New York. Renewed Apr. 30, 1949. YARN-CONDITIONING OIL. Class 6.

255,726. TRI-CALSATE. Registered Apr. 30, 1929. Frederick H. Paxton, doing business as F. H. Paxton & Sons. Renewed Apr. 30, 1949, to F. H. Paxton & Sons, Inc., Chicago, Ill., a corporation of Illinois. A PHARMACEUTICAL PREPARATION FOR THE RELIEF OF GASTRIC HYPERACIDITIES. Class 6.

255,787. "DOUBLE Q" ETC. Registered Apr. 30, 1929. P. E. Harris & Co., Seattle, Wash., a corporation of Washington. Renewed Apr. 30, 1949. CANNED FISH. Class 46.

255,816. MIRROCEL. Registered Apr. 30, 1929. Celanese Corporation of America, New York, N. Y., a corporation of Delaware. Renewed Apr. 30, 1949. FABRICS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. Class 42.

255,953. FARM KITCHEN. Registered Apr. 30, 1929. Aunt Nellie's Farm Kitchen, Inc., Hartford, Wis. Renewed Apr. 30, 1949, to Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis., a corporation of Wisconsin. CANNED PEAS, CANNED CORN, CANNED BEANS, AND CANNED TOMATOES. Class 46.

256,560. REPRESENTATION OF OIL DRUM LINED FOR BLUE, YELLOW, AND RED COLOR. Registered May 21, 1929. The Bassick Manufacturing Company, now by change of name to Alemite Manufacturing Corporation. Renewed May 21, 1949, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia. LUBRICATING OILS AND GREASES. Class 15.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

70,631. "SPERO" AND DESIGN. Registered Sept. 15, 1908. Richard Haworth and Company Limited, Manchester, England. COTTON PIECE GOODS OF ALL KINDS. Class 42. The drawing is hereby amended to appear as follows:

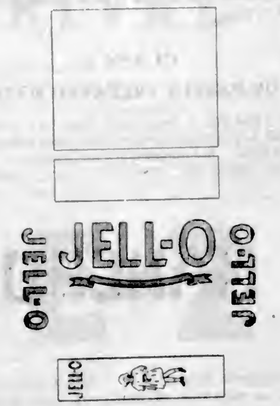
172,213. "B R C" AND DESIGN. Registered Aug. 28, 1923. The Barrett Company, New York, N. Y. SOLID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. Class 1. The drawing is hereby amended to appear as follows:

BRC

172,214. "B R H" AND DESIGN. Registered Aug. 28, 1923. The Barrett Company, New York, N. Y. LIQUID BITUMINOUS MATERIAL FOR COMPOUNDING RUBBER. Class 1. The drawing is hereby amended to appear as follows:

BRH

250,035. "JELLO" AND DESIGN. Registered Nov. 27, 1928. Postum Company, Incorporated, New York, N. Y. GELATIN DESSERT. Class 46. The drawing is hereby amended to appear as follows:



318,534. "AUTOCLENCH" AND DESIGN. Registered Oct. 30, 1934. Autoclench Company, Inc., New York,

502,622. NEMO. Registered Oct. 5, 1948. The Procter & Gamble Company, Cincinnati, Ohio. SUDSING

Reg. No. 425,584. Registered Nov. 26, 1946. SEMET-SOLVAY COMPANY, New York, N. Y. Republished by Semet-Solvay Company, New York, N. Y., a corporation

Reg. No. 73,834. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a cor-

318,534. "AUTOCLENCH" AND DESIGN. Registered Oct. 30, 1934. Autoclench Company, Inc., New York, N. Y. MACHINE DRIVEN STAPLES. Class 13. The drawing is hereby amended to appear as follows:

AUTOCLENCH

362,154. "ADCO" AND DESIGN. Registered Nov. 15, 1938. American Disinfecting Co., Inc., Sedalia, Mo. LIQUID PREPARATION FOR SURFACING, DRESSING, POLISHING, AND FINISHING FLOORS AND LINOLEUM, ETC. Class 16. The drawing is hereby amended to appear as follows:

ADCO

440,935. WAKE-UP. Registered Oct. 12, 1948. Meister Brothers, Cleveland, Ohio. NEGLIGEES. Class 39. Corrected as follows: In the statement, second column, line 6, before the word "label" strike out "woven".

502,622. NEMO. Registered Oct. 5, 1948. The Procter & Gamble Company, Cincinnati, Ohio. SUDSING CLEANER, CLEANSER, AND DETERGENT. Class 4. Corrected as follows: On the page containing the statement and the declaration, line 3, strike out "Concurrent Use"; line 4, strike out "Section 2(f)".

503,231. MEAD'S. Registered Oct. 19, 1948. Mead Johnson & Company, Evansville, Ind. FISH LIVER OILS CONTAINING VITAMINS A AND D; HYPOALLERGENIC PRODUCTS; ETC. Class 6. Corrected as follows: In the statement, column 1, lines 35 and 36, and column 2, line 1, "October 1, 1923" should be *August 1, 1911.*

503,315. CHRYSLER AIRTEMP. Registered Oct. 19, 1948. Chrysler Corporation, Highland Park, Mich. REFRIGERATING APPARATUS AND PARTS THEREOF—NAMELY, A REFRIGERANT CONDENSING UNIT COMPRISED OF A REFRIGERANT COMPRESSOR, REFRIGERANT COMPRESSOR DRIVING MEANS, REFRIGERANT CONDENSER, EXPANSION VALVE, AND FILTER. Class 31. Corrected as follows: In the statement, first line of the second paragraph, for "trade-first" read *trade-mark.*

503,467. QUENATE. Registered Oct. 26, 1948. Mallinckrodt Chemical Works, St. Louis, Mo. AGRICULTURAL FUNGICIDES CONTAINING 8-HYDROXYQUINOLINE BENZOATE. Class 6. Corrected as follows: In the statement, line 8, for "8-HYROXYQUINOLINE" read 8-*HYDROXYQUINOLINE.*

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

61,626. SUCCESSFUL FARMING. Registered Mar. 26, 1907. Successful Farming Publishing Company. MONTHLY NEWSPAPER. Class 38. New certificate under section 7(c) issued Feb. 1, 1949, to Meredith Publishing Company, Des Moines, Iowa, a corporation of Iowa.

241,734. "ARIOSTO" PORTRAIT AND BACKGROUND DESIGN. Registered May 8, 1928. Demetrios G. Konidis, doing business as Calamaki Importing Company. OLIVE OIL. Class 46. New certificate under section 7(c) issued Feb. 1, 1949, to Anthony William Curreri, Brooklyn, N. Y.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 246,470. Registered Sept. 11, 1928. THE STEARNS & FOSTER COMPANY, Lockland, Ohio, a corporation of Ohio. Republished by registrant.

MANCHU

FOR COTTON BATTING.
Claims use since Mar. 19, 1928.

Reg. No. 395,993. Registered June 23, 1942. THE NON-MERCURIC CARROTT COMPANY, Danbury, Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

FABIAN CARROT

The word "Carrot" is disclaimed apart from the mark as shown.
FOR FUR RESULTING FROM THE CHEMICAL TREATMENT OF FUR SKINS AND THEREAFTER CUT FROM THE SKIN, GENERALLY KNOWN AS "CARROTED" FUR.
Claims use since Mar. 7, 1940.

Reg. No. 425,584. Registered Nov. 26, 1946. SEMET-SOLVAY COMPANY, New York, N. Y. Republished by Semet-Solvay Company, New York, N. Y., a corporation of New York, now by merger Allied Chemical & Dye Corporation, a corporation of New York.

SEMET-SOLVAY COKE

The word "Coke" per se and the label in the form of a disc per se are disclaimed.
FOR COKE.
Claims use since Aug. 7, 1945.

CLASS 2

RECEPTACLES

Reg. No. 73,817. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

HICKORY

FOR PAPER BAGS.
Claims use since December 1903.

Reg. No. 73,818. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

SOLID GRIP

FOR PAPER BAGS.
Claims use since November 1908.

Reg. No. 73,819. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

GOLD DUST

FOR PAPER BAGS.
Claims use since October 1905.

Reg. No. 73,834. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

MARVEL

FOR PAPER BAGS.
Claims use since November 1905.

Reg. No. 73,835. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

HAZEL

FOR PAPER BAGS.
Claims use since February 1907.

Reg. No. 73,836. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

SQUARE DEAL

FOR PAPER BAGS.
Claims use since January 1908.

Reg. No. 73,838. Registered May 25, 1909. E-Z OPENER BAG COMPANY, Taylorville, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

RIVAL

FOR PAPER BAGS.
Claims use since April 1903.

Reg. No. 227,085. Registered Apr. 26, 1927. E-Z OPENER BAG COMPANY, Decatur, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

E-Z

FOR PAPER BAGS.
Claims use since Aug. 1, 1902.

Reg. No. 229,665. Registered July 5, 1927. E-Z OPENER BAG COMPANY, Decatur, Ill. Republished by

Reg. No. 333,290. Registered Mar. 17, 1936. PECK & PECK, New York, N. Y., a corporation of New York.

Reg. No. 435,529. Registered Dec. 30, 1947. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation

Reg. No. 414,675. Registered June 19, 1945. DRITA-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York,

Reg. No. 229,665. Registered July 5, 1927. E-Z OPENER BAG COMPANY, Decatur, Ill. Republished by Gulf States Paper Corporation, Tuscaloosa, Ala., a corporation of Delaware.

OAK

FOR PAPER BAGS.
Claims use since Aug. 1, 1902.

Reg. No. 309,484. Registered Jan. 16, 1934. E-Z OPENER BAG COMPANY, Tuscaloosa, Ala., a corporation of Delaware. Republished by registrant.

ALL AMERICAN

FOR PAPER BAGS.
Claims use since Jan. 1, 1933.

Reg. No. 379,903. Registered July 30, 1940. GRANT PAPER BOX COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Republished by registrant.

TREDONIA

FOR CARTONS USED IN THE PACKAGING OF GOODS, WARES, AND MERCHANDISE.
Claims use since Aug. 29, 1934.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 164,375. Registered Feb. 20, 1923. DRITZ-TRAUM CO., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

"HIAWATHA"

FOR FANCY BAGS—NAMELY, BEADED AND VANITY BAGS AND CHANGE PURSES.
Claims use since June 5, 1919.

Reg. No. 333,290. Registered Mar. 17, 1936. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

FOR POCKETBOOKS, PURSES, HANDBAGS, AND BATHING BAGS.
Claims use since 1929.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 274,202. Registered Aug. 19, 1930. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR WOOD-PRESERVATIVE COMPOUND, CHEMICAL CLEANER, AND DENATURED ALCOHOL.
Claims use since about July 1918.

Reg. No. 296,330. Registered Aug. 2, 1932. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR TYPE CLEANER FOR REMOVING INK.
Claims use since Sept. 25, 1924.

Reg. No. 331,150. Registered Dec. 31, 1935. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FOR BLACK TOP DRESSING (A THIN ASPHALTUM PAINT OR VARNISH).
Claims use since Oct. 29, 1934.

Reg. No. 432,644. Registered Sept. 9, 1947. HENRY B. HELLER CORP., New York, N. Y., a corporation of New York. Republished by registrant, present address St. Louis, Mo.

TETFOAM-10

FOR SPOT REMOVER.
Claims use since July 15, 1946.

Reg. No. 435,529. Registered Dec. 30, 1947. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

HAPPY DAY

FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Dec. 17, 1946.

CLASS 5

ADHESIVES

Reg. No. 325,086. Registered June 11, 1935. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FOR GASKET SHELLAC COMPOUND.
Claims use since Nov. 25, 1919.

Reg. No. 331,744. Registered Jan. 21, 1936. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

FOR GASKET SHELLAC COMPOUND.
Claims use since Oct. 23, 1934.

Reg. No. 402,415. Registered July 20, 1943. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

IRONTEX

FOR COATED FABRIC SWATCHES AND TAPE RENDERED ADHESIVE BY HEAT AND USED FOR MENDING PURPOSES.
Claims use since Jan. 19, 1943.

Reg. No. 414,675. Registered June 19, 1945. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

DTC

FOR COATED FABRIC SWATCHES AND TAPE RENDERED ADHESIVE BY HEAT AND USED FOR MENDING PURPOSES.
Claims use since Jan. 25, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 128,947. Registered Jan. 20, 1920. JOSEPH WARREN BULLEN, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

PINE-X-DISNFT

FOR DISINFECTANT.
Claims use since June 15, 1916.

Reg. No. 237,072. Registered Jan. 3, 1928. THE COBB MFG. CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

FOR LAUNDRY BLUING.
Claims use since 1897.

Reg. No. 248,312. Registered Oct. 16, 1928. WALGREEN CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

LITO

FOR FLUID FOR CIGARETTE LIGHTERS.
Claims use since May 1927.

Reg. No. 266,166. Registered Jan. 14, 1930. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Wilmington,

Reg. No. 365,435. Registered Mar. 7, 1939. VINCENT B. BARTOS, doing business as Barton Chemical Co.,

Reg. No. 435,479. Registered Dec. 30, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of

Reg. No. 351,244. Registered Oct. 26, 1937. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

Reg. No. 266,166. Registered Jan. 14, 1930. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Wilmington, Del., and Louisville, Ky., a corporation of Delaware. Republished by registrant, present address Louisville, Ky.

"Black Leaf 40"

A CONCENTRATED SOLUTION OF

NICOTINE - SULPHATE

The words "A Concentrated Solution of Nicotine- Sulphate" is disclaimed apart from the mark as shown.

FOR TOBACCO EXTRACTS AND NICOTINE SOLUTIONS AND COMPOUNDS FOR INSECTICIDE PURPOSES—NAMELY, AS REGARDS AGRICULTURAL, HORTICULTURAL, VETERINARY, POULTRY, HOUSEHOLD, AND SANITARY USES.

Claims use since December 1910.

Reg. No. 266,175. Registered Jan. 14, 1930. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Wilmington, Del., and Louisville, Ky., a corporation of Delaware. Republished by registrant, present address Louisville, Ky.

"Black Leaf 40" NICOTINE SULPHATE

The words "Nicotine Sulphate" are disclaimed apart from the mark as shown.

FOR TOBACCO EXTRACTS AND NICOTINE SOLUTIONS AND COMPOUNDS FOR INSECTICIDE PURPOSES—NAMELY, AS REGARDS AGRICULTURAL, HORTICULTURAL, VETERINARY, POULTRY, HOUSEHOLD, AND SANITARY USES.

Claims use since December 1910.

Reg. No. 274,202. Registered Aug. 19, 1930. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR WOOD-PRESERVATIVE COMPOUND, CHEMICAL CLEANER, AND DENATURED ALCOHOL.

Claims use since about July 1918.

Reg. No. 332,838. Registered Feb. 25, 1936. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky., a corporation of Delaware. Republished by registrant.

Mash-Nic

The word "Mash" is disclaimed apart from the mark as shown.

FOR PARASITICIDES FOR POULTRY, VETERINARY, AND INSECTICIDE PURPOSES.

Claims use since Apr. 30, 1935.

Reg. No. 365,435. Registered Mar. 7, 1939. VINCENT B. BARTOS, doing business as Barton Chemical Co., Chicago, Ill. Republished by Barton Chemical Company, Chicago, Ill., a partnership.

SAVADAY

FOR LIQUID SOLUTION FOR BLEACHING, DEODORIZING, AND DISINFECTING CLOTHES AND FOR OTHER HOUSEHOLD CLEANING USES, AND ALSO FOR STERILIZING DRINKING RECEPTACLES.

Claims use since Apr. 7, 1937.

Reg. No. 387,538. Registered May 20, 1941. RAPIDOL DISTRIBUTINO CORPORATION, New York, N. Y., a corporation of New Jersey. Republished by registrant.

RAP-I-DOL

FOR SHAMPOO TINT, SKIN LOTION AND POWDER BASE, CONDITIONING SHAMPOO, HAIR COLOR RINSE, AND PERFUME.

Claims use since Oct. 24, 1924.

Reg. No. 393,235. Registered Jan. 27, 1942. THE NON-MERCURIC CARROT COMPANY, Danbury, Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

FABIAN CARROT

The word "Carrot" is disclaimed apart from the mark as shown.

FOR CHEMICAL SOLUTION FOR THE TREATMENT OF FUR, COMMONLY KNOWN AS "CARROTING" OF FUR.

Claims use since Jan. 10, 1940.

Reg. No. 427,488. Registered Feb. 11, 1947. CLINTON INDUSTRIES, INC., Clinton, Iowa, a corporation of Delaware. Republished by registrant.

CLINTOSE

FOR REFINED CORN SUGAR USED IN THE MANUFACTURE OF GLASSINE PAPER, TEXTILES, AND PHARMACEUTICALS.

Claims use since June 1936.

Reg. No. 431,892. Registered Aug. 12, 1947. S. PFEIFFER MFG. CO., St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Miraldo

FOR HAIR AND SCALP LOTION, SHAMPOO, AND AFTER-SHAVING BALM.

Claims use since May 1, 1946.

Reg. No. 435,479. Registered Dec. 30, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

LULLABYE

FOR TALCUM POWDER, BABY OIL, AND SKIN CREAM.

Claims use since Apr. 1, 1946.

Reg. No. 435,504. Registered Dec. 30, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RECEPTION

FOR COSMETIC SETS CONTAINING TOILET WATER, COLOGNE, TALCUM POWDER, AND MAKE-UP.

Claims use since Oct. 21, 1946.

Reg. No. 435,540. Registered Dec. 30, 1947. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DEEP IN CLOVER

FOR COLOGNE, BODY POWDER, AND TOILET WATER.

Claims use since Feb. 14, 1947.

Reg. No. 435,744. Registered Jan. 6, 1948. AVON PRODUCTS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

THAT'S FOR ME

FOR COSMETIC SET CONTAINING CAKE MAKE-UP, NAIL POLISH, AND LIPSTICK.

Claims use since Mar. 6, 1947.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 350,166. Registered Sept. 21, 1937. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

The drawing is lined for red and blue.

FOR AMMUNITION FOR TOY FIREARMS.

Claims use since Oct. 23, 1934.

Reg. No. 351,244. Registered Oct. 26, 1937. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

The words "Disc Caps" are disclaimed apart from the mark as shown. The drawing is lined for red and blue.

FOR PAPER CAPS FOR TOY FIREARMS, AND PARTICULARLY FOR TOY PISTOLS.

Claims use since Oct. 27, 1932.

CLASS 10

FERTILIZERS

Reg. No. 45,145. Registered Aug. 8, 1905. F. S. ROYSTER GUANO CO., Norfolk, Va., a corporation of Virginia. Republished by registrant.

F.S.R.

FOR GUANO.

Claims use since 1895.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 176,070. Registered Nov. 13, 1923. JOINTLESS FIRE-BRICK CO., Chicago, Ill. Republished by Plibrico Jointless Firebrick Company, Chicago, Ill., a corporation of Illinois.

PLIBRICO

FOR FIRE-RESISTING CEMENT FOR FORMING FURNACE LININGS.

Claims use since Oct. 13, 1917.

Reg. No. 256,423. Registered May 14, 1929. SCHUMACHER WALL BOARD CORPORATION, Los Angeles, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

FOR CONSTRUCTION MATERIAL—NAMELY, WALL BOARD, PLASTER BOARD, LATH BOARD, BUILDING PAPER, AND ROOFING PAPER.

Claims use since Mar. 22, 1928.

Reg. No. 285,663. Registered Aug. 4, 1931. PLANT RUBBER & ASBESTOS WORKS, San Francisco, Calif. Re-

Reg. No. 362,812. Registered Nov. 29, 1938. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Dela-

Reg. No. 247,878. Registered Oct. 9, 1928. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Re-

Reg. No. 402,908. Registered Aug. 24, 1943. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Reg. No. 285,663. Registered Aug. 4, 1931. PLANT RUBBER & ASBESTOS WORKS, San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

FOR THERMAL INSULATING MATERIALS AND PIPE COVERINGS, COMPRISING APPROXIMATELY 85 PER CENT OF A MIXTURE OF MAGNESIA AND ASBESTOS.
Claims use since about Nov. 1, 1930.

Reg. No. 293,138. Registered Apr. 12, 1932. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DEMON

FOR FIRE BRICK.
Claims use since on or about Sept. 9, 1930.

Reg. No. 328,433. Registered Sept. 24, 1935. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FIRELINE

FOR FIRE-RESISTING CEMENT FOR FORMING FURNACE LININGS.
Claims use since Mar. 8, 1935.

Reg. No. 340,701. Registered Nov. 17, 1936. PLIBRICO JOINTLESS FIREBRICK COMPANY, doing business as Fireline Stove and Furnace Lining Company, Chicago, Ill., a corporation of Illinois.

IRONSET

FOR ASBESTOS FURNACE AND RETORT CEMENT.
Claims use since Apr. 14, 1936.

Reg. No. 354,205. Registered Feb. 8, 1938. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

PLICAST

No. 27

FOR CASTABLE REFRACTORY MATERIAL.
Claims use since May 6, 1936.

Reg. No. 362,812. Registered Nov. 29, 1938. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

Q-T

FOR SOUND ABSORBING PADS PARTICULARLY ADAPTABLE FOR DUCT LINING.
Claims use since June 3, 1938.

Reg. No. 363,707. Registered Jan. 3, 1939. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio. Republished by The Celotex Corporation, Chicago, Ill., a corporation of Delaware.

mufflotone

The drawing is lined for the colors red and blue.
FOR ACOUSTICAL TILE.
Claims use since Apr. 28, 1938.

Reg. No. 391,772. Registered Nov. 25, 1941. CRAWFORD DOOR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

CRD

FOR COMPLETE UPWARD-ACTING DOOR INSTALLATIONS COMPRISING DOOR AND HARDWARE.
Claims use since June 10, 1940.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 209,875. Registered Mar. 2, 1926. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Bound to get there

FOR NAILLESS STEEL STRAPS FOR BINDING PACKED BOXES, SHOOK TIE FASTENERS, CORRUGATED WOOD JOINT FASTENERS, BARBED BOX STRAPS, BALE TIE BUCKLES, SHINGLE BANDS, AND BAND IRON.
Claims use since July 1, 1925.

Reg. No. 247,878. Registered Oct. 9, 1928. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

UNIT-LOAD

FOR BANDS, STAYS, OPEN SEALS, AND SEALS USED IN REINFORCING BOXES AND PACKAGES AND IN THE PRACTICE OF LOADING FREIGHT CARS AND OTHER CARRIERS.
Claims use since Mar. 17, 1927.

Reg. No. 331,891. Registered Jan. 21, 1936. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Doc. Steelstrap

The word "Steelstrap" is disclaimed apart from the mark as shown.
FOR IRON AND STEEL STRAPPING, EMPLOYED IN REENFORCING BOXES, CRATES, BALES, AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS.
Claims use since Feb. 28, 1934.

Reg. No. 331,892. Registered Jan. 21, 1936. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Acme Steelstrap

The word "Steelstrap" is disclaimed apart from the mark as shown.
FOR IRON AND STEEL STRAPPING, EMPLOYED IN REENFORCING BOXES, CRATES, BALES, AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS.
Claims use since Feb. 7, 1934.

Reg. No. 363,273. Registered Dec. 20, 1938. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Citrustrap

The representation of the goods is disclaimed apart from the mark as shown.
FOR STEEL STRAPPING, EITHER COATED OR UNCOATED, AND EMPLOYED IN REINFORCING BOXES, CRATES, AND THE LIKE.
Claims use since Nov. 15, 1935.

Reg. No. 402,908. Registered Aug. 24, 1943. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LOOK FOR ACME STEEL ON THE SEAL

The words "Look For," "Steel," "Steel Co.," "Chicago," and "On The Seal"; and the representation of the goods are disclaimed apart from the mark as shown.
FOR METAL STRAPPING EMPLOYED IN REINFORCING BOXES, CRATES, BALES AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS.
Claims use since July 24, 1941.

Reg. No. 422,034. Registered June 25, 1946. DAVID TRAUM COMPANY, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

DTC

FOR SLIDE FASTENERS.
Claims use since Jan. 25, 1945.

Reg. No. 422,631. Registered Aug. 6, 1946. CONTINENTAL SCREW COMPANY, New Bedford, Mass., a corporation of Massachusetts. Republished by registrant.

Engineered Fastenings

The word "Fastenings" is disclaimed apart from the mark as shown.
FOR FASTENINGS OF THE FOLLOWING NATURE: SCREWS—WOOD, LAG, CAP, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Oct. 1, 1942.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 403,371. Registered Sept. 21, 1943. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

ELKON

FOR NONFERROUS ALLOYS AND UNFINISHED OR PARTLY FINISHED NONFERROUS METAL CASTINGS.
Claims use since 1921.

Reg. No. 408,836. Registered Aug. 29, 1944. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Reg. No. 187,883. Registered Aug. 12, 1924. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Reg. No. 340,931. Registered Nov. 24, 1936. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York, Republished by registrant.

CLASS 19

VEHICLES

Reg. No. 408,836. Registered Aug. 29, 1944. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

SOLDALOY

FOR COPPER ALLOY STOCK FOR USE IN MAKING SOLDERING IRONS.
Claims use since Mar. 11, 1940.

CLASS 15

OILS AND GREASES

Reg. No. 246,526. Registered Sept. 11, 1928. NOURSE OIL COMPANY, Kansas City, Kans., a corporation of Missouri. Republished by registrant.

JACK FROST

FOR LUBRICATING OILS AND LUBRICATING GREASES.
Claims use since July 1, 1927.

Reg. No. 361,442. Registered Oct. 18, 1938. SUNSET OIL COMPANY, Los Angeles, Calif., a corporation of California. Republished by registrant.

SUNLUBE

FOR MOTOR FUEL OILS.
Claims use since January 1936.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 129,334. Registered Feb. 17, 1920. JOSEPH WARREN BULLEN, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

FABO-WAX-FLOOR-OIL

The words "Wax Floor Oil" are disclaimed.
FOR WAX POLISHING-OIL FOR WAXED SURFACES.
Claims use since Apr. 15, 1919.

Reg. No. 129,335. Registered Feb. 17, 1920. JOSEPH WARREN BULLEN, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

TAR-O-LENE

FOR LIQUID PREPARATION IN THE NATURE OF A FURNITURE POLISH, FOR RENEWING OLD PAINTED, STAINED, OR VARNISHED SURFACES, INCIDENTALLY EFFECTIVE AS A DISINFECTANT.
Claims use since July 11, 1909.

Reg. No. 187,883. Registered Aug. 12, 1924. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

INDO-LAC.

FOR DRY GUMS AND LIQUID VARNISHES.
Claims use since Jan. 11, 1922.

Reg. No. 291,006. Registered Jan. 26, 1932. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PAB-COTE

FOR DRY AND READY-MIXED PAINTS AND PAINT ENAMELS.
Claims use since July 9, 1930.

Reg. No. 307,701. Registered Oct. 31, 1933. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

BLUE-BLAZES

FOR AUTOMOBILE POLISHES AND FURNITURE POLISHES.
Claims use since May 6, 1929.

Reg. No. 336,565. Registered July 7, 1936. BRASIL OITICICA S. A., Rio de Janeiro, Brazil, a corporation of the Republic of Brazil. Republished by registrant.

OITIOIL

FOR PAINT OIL.
Claims use since Nov. 27, 1935.

Reg. No. 336,566. Registered July 7, 1936. BRASIL OITICICA S. A., Rio de Janeiro, Brazil, a corporation of the Republic of Brazil. Republished by registrant.

CICOIL

FOR PAINT OIL.
Claims use since Nov. 27, 1935.

Reg. No. 337,961. Registered Aug. 25, 1936. BRASIL OITICICA S. A., Rio de Janeiro, Brazil, a corporation of the Republic of Brazil. Republished by registrant.

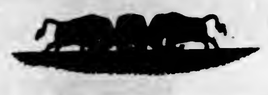
The letters "E. U. B." are disclaimed apart from the mark as shown.
FOR PAINT OIL.
Claims use since Dec. 10, 1934.

Reg. No. 340,931. Registered Nov. 24, 1936. PERMATEX COMPANY, INC., Brooklyn, N. Y., a corporation of New York, Republished by registrant.

PERMA-LUSTRE

The word "Lustre" is disclaimed apart from the mark as shown.
FOR POLISHES AND CLEANERS FOR AUTOMOBILES, PIANOS, PHONOGRAPHS, FURNITURE, FLOORS, AND WOODWORK.
Claims use since Dec. 19, 1925.

Reg. No. 414,806. Registered June 5, 1945. J. WARREN BULLEN, doing business as The Bullen Chemical Co., Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.



FOR LIQUID COMPOUNDS USED AS FLOOR OILS, SEALERS FOR WOODEN SURFACES, FLOOR FINISHES, AND FLOOR WAXES.
Claims use since Apr. 7, 1919.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 329,998. Registered Nov. 19, 1935. CHARLES P. LANDAU, New York, N. Y. Republished by Fleming-Hall Tobacco Co., Inc., New York, N. Y., a corporation of Delaware.

BOWL 'n ROSES

FOR SMOKING TOBACCO.
Claims use since about July 11, 1935.

Reg. No. 370,621. Registered Aug. 29, 1939. A. SENSENBRENNER SONS, Los Angeles, Calif., a firm. Republished by registrant.

The drawing is lined to show red.
FOR CIGARS.
Claims use since Nov. 24, 1937.

CLASS 19

VEHICLES

Reg. No. 255,582. Registered Apr. 23, 1929. GREAT LAKES DREDGE & DOCK COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

The vertical shade lines indicate the color red. The words "River and Harbor Improvements" are disclaimed apart from the mark as shown.
FOR DRILL BOATS, DERRICK BOATS, DYNAMITE BOATS, MOTOR AND STEAM TUGS AND VESSELS, DUMP SCOWS, DECK SCOWS, BARGES, LAUNCHES, DIVING SCOWS, DRY DOCKS, AND RAILROAD CARS, EMPLOYED IN RIVER AND HARBOR IMPROVEMENTS.
Claims use since Mar. 9, 1925.

Reg. No. 363,646. Registered Jan. 3, 1939. TROPIC-AIRE, INCORPORATED, Chicago, Ill., a corporation of Delaware. Republished by registrant.

TROPIC-AIRE CONDITIONED

The words "Aire-Conditioned" are disclaimed apart from the mark as shown.
FOR AIR HEATING, AIR COOLING, AND VENTILATING UNITS FOR MOTOR VEHICLES.
Claims use since July 14, 1938.

Reg. No. 415,487. Registered Aug. 7, 1945. BUDD WHEEL COMPANY, Philadelphia, Pa. Republished by The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania.

ROLOKRON

FOR BRAKE CONTROL DEVICES FOR AUTOMATICALLY ARRESTING WHEEL SLIDE.
Claims use since about Aug. 16, 1942.

CLASS 20

LINOLEUM AND OILED CLOTH

Reg. No. 252,677. Registered Feb. 12, 1929. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR PREPARED FLOOR COVERINGS COMPRISING A BODY OF FIBROUS MATERIAL SATURATED WITH BITUMINOUS OR ASPHALTIC MATERIAL AND HAVING A PAINTED OR PRINTED SURFACE.
Clamis use since 1917.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND

Reg. No. 282,564. Registered Apr. 21, 1931. THE SUPERIOR MANUFACTURING COMPANY, Fitchburg, MASS., a corporation of Massachusetts. Republished by regis-

Reg. No. 397,785. Registered Sept. 22, 1942. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Reg. No. 426,921. Registered Jan. 21, 1947. P. R. MALLORY & CO., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 102,033. Registered Jan. 26, 1915. BRIGGS & STRATTON Co., Milwaukee, Wis. Republished by Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware.

BASCO

FOR ELECTRICAL EQUIPMENT FOR GASOLENE AND ELECTRIC MOTOR-CARS, MOTOR-BOATS, AND GASOLENE-ENGINES, CONSISTING OF IGNITION TIMERS, IGNITION SWITCHES, LIGHTING SWITCHES, IGNITERS, REVERSE CURRENT CUT-OUTS, STARTING SWITCHES, MASTER VIBRATORS, AND DYNAMO REGULATORS.
Claims use since Dec. 1, 1913.

Reg. No. 184,010. Registered May 13, 1924. BRIGGS & STRATTON COMPANY, Milwaukee, Wis. Republished by Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware.

A BASCO PRODUCT

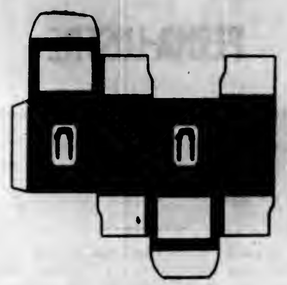
The words "A Product" are disclaimed apart from the mark as shown.
FOR ELECTRICAL EQUIPMENT FOR GASOLINE AND ELECTRIC MOTOR CARS, MOTOR BOATS AND GASOLINE ENGINES, CONSISTING OF IGNITION TIMERS, IGNITION SWITCHES, LIGHTING SWITCHES, IGNITERS, REVERSE-CURRENT CUT-OUTS, STARTING SWITCHES, MASTER VIBRATORS, AND DYNAMO REGULATORS; RADIO APPARATUS—NAMELY, DETECTORS, TUNERS, RECEIVERS, AMPLIFIERS, RHEOSTATS, CONDENSERS, AUDION-TUBE SOCKETS, VARIABLE AIR CONDENSERS, GRID CONDENSERS AND LEAKS, TELEPHONE CONDENSERS, TELEPHONE HEAD SETS, CRYSTAL MOUNTINGS, VARIOCOUPLERS, TRANSFORMERS, TICKLERS, BINDER POSTS, SWITCHES AND SWITCH PARTS; AUTOMOBILE ELECTRIC HORNS.
Claims use since April 1922.

Reg. No. 218,871. Registered Oct. 5, 1926. ELKON WORKS, INC., Weehawken, N. J. Republished by P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware.

ELKON

FOR ELECTRIC-CURRENT RECTIFIERS, ELECTRIC-CURRENT RECTIFIER UNITS, ELECTRIC-CURRENT BATTERY ELIMINATORS AND ASYMMETRIC CELLS.
Claims use since Dec. 7, 1925.

Reg. No. 282,564. Registered Apr. 21, 1931. THE SUPERIOR MANUFACTURING COMPANY, Fitchburg, Mass., a corporation of Massachusetts. Republished by registrant.



The vertical lining on drawing represents the color red. The words "Insulated Saddle Staples" and "Superior" and the representation of the insulated staple are disclaimed apart from the mark as shown.
FOR INSULATED STAPLES.
Claims use since Aug. 26, 1930.

Reg. No. 359,145. Registered Aug. 9, 1938. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

Vibrapack

FOR ELECTRIC POWER SUPPLY DEVICES OF THE TYPE USING A VIBRATORY SWITCH CURRENT INTERRUPTER TOGETHER WITH VOLTAGE TRANSFORMING MEANS TO CONVERT ELECTRIC ENERGY OF ONE VOLTAGE INTO ELECTRIC ENERGY OF ANOTHER VOLTAGE.
Claims use since Apr. 21, 1937.

Reg. No. 362,617. Registered Nov. 22, 1938. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

RECTOPLATER

FOR ELECTRIC CURRENT RECTIFIERS, ELECTRO-PLATING POWER SUPPLY DEVICES, RECTIFIER-TYPE ELECTRO-PLATING UNITS.
Claims use since June 21, 1938.

Reg. No. 370,327. Registered Aug. 22, 1939. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

INDUCTUNER

FOR VARIABLE INDUCTANCE DEVICES, INDUCTIVE TUNING DEVICES, VARIABLE INDUCTANCE TUNING DEVICES, CONTINUOUSLY VARIABLE SLIDE WIRE INDUCTIVE TUNING DEVICES.
Claims use since Apr. 14, 1939.

Reg. No. 397,785. Registered Sept. 22, 1942. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

RECTOSTARTER

FOR RECTIFIER UNIT FOR USE IN STARTING INTERNAL COMBUSTION ENGINES FROM A. C. POWER SUPPLY SOURCES, PORTABLE ELECTRIC POWER CONVERSION UNIT FOR USE IN STARTING AIRCRAFT AND OTHER INTERNAL COMBUSTION ENGINES.
Claims use since Sept. 8, 1941.

Reg. No. 399,945. Registered Feb. 9, 1943. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

ELKONITE

FOR ELECTRIC CONTACTING ELEMENTS—NAMELY, ELECTRIC CONTACTS AND CONTACT MAKING ELECTRODES INCLUDING SPOT WELDING ELECTRODES, RESISTANCE WELDING ELECTRODES, AND ELECTRIC UPSETTING DIES.
Claims use since December 1925.

Reg. No. 405,926. Registered Feb. 29, 1944. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

RECTOPOWER

FOR RECTIFIER POWER SUPPLY UNITS.
Claims use since Sept. 6, 1943.

Reg. No. 408,003. Registered July 11, 1944. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

ELKALOY

FOR ELECTRIC CONTACTING ELEMENTS—NAMELY, ELECTRIC MAKE-AND-BREAK CONTACTS, SLIDING ELECTRIC CONTACTS, AND PRESSURE EXERTING WELDING ELECTRODES.
Claims use since Oct. 21, 1930.

Reg. No. 413,408. Registered Apr. 24, 1945. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

HP

FOR ELECTRICAL CONTACT ELEMENTS, NOT INCLUDING ELECTRICAL EQUIPMENT OR ASSEMBLIES EMBODYING ELECTRIC CONTACT ELEMENTS.
Claims use since July 6, 1944.

Reg. No. 426,921. Registered Jan. 21, 1947. P. R. MALLORY & Co., INC., Indianapolis, Ind., a corporation of Delaware. Republished by registrant.

D-54

FOR ELECTRICAL CONTACTS.
Claims use since May 30, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 179,877. Registered Feb. 19, 1924. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

K

FOR TOY PISTOLS.
Claims use since July 1, 1912.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 112,347. Registered Sept. 5, 1916. AUTOMATIC TICKET SELLING & CASH REGISTER COMPANY, New York, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

AUTOMATICKET

The word "Ticket" is disclaimed apart from the mark as shown.
FOR TICKET-SELLING MACHINES.
Claims use since Feb. 15, 1916.

Reg. No. 238,169. Registered Jan. 31, 1928. THE NASH Engineering Company, South Norwalk, Conn., a corporation of Connecticut. Republished by registrant.

JENNINGS

FOR SEWAGE EJECTORS, BILGE PUMPS, SUMP PUMPS, TURBINES, TURBINE ENGINES, BOILER FEED PUMPS, VACUUM HEATING PUMPS, CONDENSATION PUMPS, CHECK VALVES USED AS A PART OF THE PUMP UNIT, CENTRIFUGAL PUMPS, AND FLAT BOX PUMPS.
Claims use since May 1, 1918.

Reg. No. 248,305. Registered Oct. 16, 1928. HUDSON MANUFACTURING CO., Minneapolis, Minn. Republished by New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey.

Reg. No. 283,340. Registered May 26, 1931. GENERAL REGISTER CORPORATION, Brooklyn, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

Reg. No. 359,817. Registered Aug. 30, 1938. THE S. U. CARBURETTER COMPANY LIMITED, Birmingham, England, a corporation of Great Britain. Republished by registrant.

Reg. No. 415,111. Registered July 10, 1945. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

Reg. No. 248,305. Registered Oct. 16, 1928. HUDSON MANUFACTURING CO., Minneapolis, Minn. Republished by New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey.

MOTO-AIR

FOR SPRAYERS AND SPRAYING ATTACHMENTS FOR HOUSEHOLD, INDUSTRIAL, AND AGRICULTURAL USES.
Claims use since May 16, 1928.

Reg. No. 248,738. Registered Oct. 30, 1928. GREAT LAKES DREDGE & DOCK COMPANY, Chicago, Ill., a corporation of New Jersey. Republished by registrant.

The words "river and harbor improvements" are disclaimed apart from the mark as shown. The drawing is lined for red.
FOR PILE DRIVERS, LOCOMOTIVE CRANES, CRAWLER CRANES, CONCRETE MIXERS, SHOVELS, CONVEYOR CABLEWAYS, TRACTOR CRANES, DIVING OUTFITS EXCEPT THE SUITS, HOSE LINES, AND CABLE LINES THEREOF; LOCOMOTIVES, DIPPER DREDGES, HYDRAULIC DREDGES, AND CLAMSHELL DREDGES, ALL EMPLOYED IN RIVER AND HARBOR IMPROVEMENTS.
Claims use since Mar. 9, 1925.

Reg. No. 283,339. Registered May 26, 1931. GENERAL REGISTER CORPORATION, Brooklyn, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

FOR TICKET-ISSUING MACHINES, TICKET PRINTING AND ISSUING MACHINES, AND TICKET-PUNCHING MACHINES AND PARTS THEREOF.
Claims use since Dec. 3, 1930.

Reg. No. 283,340. Registered May 26, 1931. GENERAL REGISTER CORPORATION, Brooklyn, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

.GRC.

FOR TICKET-ISSUING MACHINES, TICKET PRINTING AND ISSUING MACHINES, AND TICKET-PUNCHING MACHINES AND PARTS THEREOF.
Claims use since Dec. 3, 1930.

Reg. No. 329,392. Registered Oct. 29, 1935. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Doc. Steelstrap

FOR SEALERS, STRETCHERS, COIL HOLDERS, REELS, AND SNIPS EMPLOYED IN REENFORCING BOXES, CRATES, BALES, AND PACKAGES, AND IN LOADING FREIGHT CARS AND OTHER CARRIERS.
Claims use since Feb. 28, 1934.

Reg. No. 334,705. Registered May 12, 1936. LEWIS BOLT & NUT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

MACER

FOR JOURNAL AND BEARING PROTECTORS.
Claims use since Aug. 27, 1935.

Reg. No. 335,751. Registered June 16, 1936. TRANSPARENT-WRAP MACHINE CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

TRANSWRAP

FOR PACKAGING MACHINES.
Claims use since Nov. 27, 1935.

Reg. No. 352,421. Registered Nov. 30, 1937. TOBACCO BY-PRODUCTS AND CHEMICAL CORPORATION, Louisville, Ky., a corporation of Delaware. Republished by registrant.

VAPO-FUMER

FOR MACHINES FOR VAPORIZING AND APPLYING INSECTICIDAL SPRAYS.
Claims use since Nov. 14, 1936.

Reg. No. 359,817. Registered Aug. 30, 1938. THE S. U. CARBURETTER COMPANY LIMITED, Birmingham, England, a corporation of Great Britain. Republished by registrant.

S.U

FOR CARBURETTERS AND FUEL PUMPS FOR ENGINES.
Claims use since August 1910.

Reg. No. 387,962. Registered June 10, 1941. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SilverStitcher

The word "Stitcher" is disclaimed apart from the mark as shown.
FOR WIRE STITCHING MACHINES.
Claims use since May 13, 1940.

Reg. No. 388,084. Registered June 10, 1941. GENERAL REGISTER CORPORATION, New York, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

GENISTER

FOR TICKET AND COUPON ISSUING MACHINES, SLOT VENDING MACHINES.
Claims use since Dec. 26, 1940.

Reg. No. 404,353. Registered Nov. 23, 1943. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

DRIVE-MASTER

FOR TRANSMISSIONS FOR MOTOR VEHICLES.
Claims use since July 31, 1941.

Reg. No. 431,226. Registered July 15, 1947. ALVEY CONVEYOR MANUFACTURING CO., St. Louis, Mo., a corporation of Missouri. Republished by registrant.

ALVEYORS

FOR CONVEYORS OF THE PULLEY TYPE, ROLLER TYPE, INCLINED AND VERTICAL LIFT TYPE, PUSHER-BAR TYPE, GRAVITY SLIDES, AND SPIRAL CHUTES.
Claims use since June 15, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 405,042. Registered Jan. 4, 1944. DRITS-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

GLIDE-TEX

FOR IRONING PRESS CLOTHS.
Claims use since July 28, 1943.

Reg. No. 415,111. Registered July 10, 1945. DRITS-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

DTC

FOR IRONING PRESS CLOTHS.
Claims use since Jan. 25, 1945.

CLASS 25

LOCKS AND SAFES

Reg. No. 195,003. Registered Feb. 17, 1925. BRIGGS & STRATTON COMPANY, Milwaukee, Wis. Republished by Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware.

BISCO

FOR AUTOMOBILE LOCKS, COMPARTMENT LOCKS, AND LOCKING DOOR HANDLES.
Claims use since July 1921.

Reg. No. 199,693. Registered June 16, 1925. BRIGGS & STRATTON COMPANY, Milwaukee, Wis., assignor to Briggs & Stratton Corporation. Republished by Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware.

A BASCO PRODUCT

The words "A Product" are disclaimed apart from the mark as shown.
FOR AUTOMOBILE LOCKS, COMPARTMENT LOCKS, AND LOCKING DOOR HANDLES.
Claims use since April 1922.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 361,767. Registered Nov. 1, 1938. GENERAL REGISTER CORPORATION, New York, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

"PLUS"

FOR ADDING MACHINES.
Claims use since Nov. 1, 1935.

Reg. No. 391,452. Registered Nov. 11, 1941. GENERAL REGISTER CORPORATION, New York, N. Y. Republished

Reg. No. 433,330. Registered Oct. 7, 1947. TERRYTOONS, INC., New Rochelle, N. Y., a corporation of New

Reg. No. 409,360. Registered Oct. 3, 1944. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation

CLASS 29

Reg. No. 391,452. Registered Nov. 11, 1941. GENERAL REGISTER CORPORATION, New York, N. Y. Republished by General Register Corporation, Long Island City, N. Y., a corporation of New York.

GENISTER

FOR ADDING MACHINES, TAXIMETERS, CALCULATING MACHINES, CASH REGISTERS.
Claims use since Dec. 26, 1940.

Reg. No. 394,470. Registered Apr. 7, 1942. THE TITAN VALVE AND MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

POLYSTAT

FOR THERMOSTATIC VALVES FOR HOT WATER HEATERS AND THE LIKE.
Claims use since Sept. 4, 1941.

Reg. No. 423,448. Registered Sept. 3, 1946. THE DI-NOC COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DINOLOFT

FOR PHOTOSENSITIVE TRANSFERS, COMPRISING BACKING SHEETS HAVING PHOTOSENSITIVE COATINGS DETACHABLY MOUNTED THEREON AND ADAPTED TO BE TRANSFERRED TO OTHER SURFACES.
Claims use since Feb. 10, 1945.

Reg. No. 425,600. Registered Nov. 26, 1946. TERRYTOONS, INC., New Rochelle, N. Y., a corporation of New York. Republished by registrant.

TERRYTOONS

The surname "Terry" is disclaimed apart from the mark as shown.
FOR MOTION PICTURE FILMS OF ANIMATED CARTOONS WITH SYNCHRONIZED SOUND TRACK THEREON.
Claims use since Feb. 23, 1930.

Reg. No. 428,177. Registered Mar. 11, 1947. THE DI-NOC COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

DI-NOC

FOR TRANSLUCENT DRAFTING MATERIAL SUITABLE FOR USE IN THE PRODUCTION OF TEMPLATES BY PHOTOGRAPHIC PROCESSES, AND SENSITIZED PHOTOGRAPHIC MATERIALS—NAMELY, SENSITIZED PHOTOGRAPHIC FILM, SENSITIZED PHOTOGRAPHIC PAPER, PHOTOSENSITIVE TRACING CLOTH, PHOTOSENSITIVE TRANSFERS COMPRISING BACKING SHEETS HAVING PHOTOSENSITIVE COATINGS DETACHABLY MOUNTED THEREON AND ADAPTED TO BE TRANSFERRED TO OTHER SURFACES, AND METALLIC SHEETS HAVING A PHOTOSENSITIVE COATING THEREON.
Claims use since Oct. 4, 1942.

Reg. No. 433,330. Registered Oct. 7, 1947. TERRYTOONS, INC., New Rochelle, N. Y., a corporation of New York. Republished by registrant.

HECKLE AND JECKLE

The word "Talking" is disclaimed apart from the mark as shown.
FOR MOTION PICTURE FILMS.
Claims use since July 22, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 394,067. Registered Mar. 17, 1942. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

RALCO

FOR WATCHES.
Claims use since January 1930.

Reg. No. 394,192. Registered Mar. 24, 1942. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The representation of the goods is disclaimed apart from the mark as shown.
FOR WATCHES.
Claims use since Feb. 25, 1927.

Reg. No. 404,432. Registered Nov. 23, 1943. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

ASTRONIC

FOR WATCHES.
Claims use since June 22, 1943.

Reg. No. 409,360. Registered Oct. 3, 1944. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CALENDETTE

FOR WATCHES.
Claims use since Apr. 28, 1944.

Reg. No. 415,227. Registered July 31, 1945. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TEMPOGRAPH

FOR WATCHES.
Claims use since Jan. 12, 1944.

Reg. No. 425,560. Registered Nov. 26, 1946. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

TEMPOMATIC

FOR WATCHES.
Claims use since Oct. 9, 1945.

Reg. No. 426,028. Registered Dec. 10, 1946. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CALENDOMATIC

FOR WATCHES.
Claims use since Mar. 1, 1946.

Reg. No. 434,844. Registered Dec. 9, 1947. ARMAND J. LEMIEUX CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

L

FOR WATCH CASES.
Claims use since June 10, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 418,249. Registered Dec. 11, 1945. ZELL BROS., Portland, Oreg., a firm. Republished by registrant.

LIFETIME

FOR STERLING SILVER KNIVES, FORKS, SPOONS, TRAYS, TEA SETS, GOBLETS, AND SUGAR AND CREAMERS, AND ALSO FOR THE SAME GOODS IN PLATED WARE.
Claims use since Mar. 15, 1945.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 222,636. Registered Jan. 4, 1927. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

M. P. FAVORITE

FOR PAINTBRUSHES.
Claims use since about Jan. 1, 1922.

Reg. No. 299,320. Registered Nov. 29, 1932. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

"SHASTETTE"

FOR PAINT AND VARNISH BRUSHES.
Claims use since 1930.

Reg. No. 483,607. Registered Oct. 21, 1947. DELTA BRUSH MFG. CORP., New York, N. Y., a corporation of New York. Republished by registrant.

EL GRECO

FOR ARTISTS' BRUSHES.
Claims use since Oct. 1, 1946.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 222,612. Registered Jan. 4, 1927. AUGUST A. METER, doing business as Universal Water Softener Co., Maywood, Ill. Republished by registrant.

"VERSALITE"

FOR SOFTENING MATERIAL WHICH IS A MANUFACTURED MINERAL USED AS A WATER SOFTENER.
Claims use since Feb. 1, 1926.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 332,140. Registered Feb. 4, 1936. CRAWFORD MANUFACTURING CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

KOZY-NOOK

FOR HASSOCKS.
Claims use since Aug. 31, 1935.

Reg. No. 352,378. Registered Nov. 30, 1937. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corpora-

Reg. No. 416,781. Registered Sept. 25, 1945. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corpora-

Reg. No. 366,313. Registered June 13, 1939. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

The representation of the goods is disclaimed apart from the mark as shown.

FOR BENCHES, DESKS, CHESTS, DRESSERS, CABINETS, BOOK CASES, BOOK CASE DOORS, WALL RACKS, BED ENDS, COUCH FRAMES, COUCH ENDS, TABLES OF ALL SORTS, STUDIO FRAMES, CHAIRS, BUFFETS.

Claims use since May 2, 1938.

Reg. No. 392,267. Registered Dec. 16, 1941. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

AUTOSALER

FOR MERCHANDISE DISPLAY STANDS, RACKS, COUNTERS, SHELVING, AND BRACKETS.

Claims use since Aug. 1, 1941.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 99,501. Registered Sept. 1, 1914. RUUD MANUFACTURING COMPANY, Pittsburgh, Pa. Republished by Ruud Manufacturing Company, Pittsburgh, Pa., a corporation of Delaware.

RUUD

FOR INSTANTANEOUS AUTOMATIC WATER HEATERS AND STORAGE SYSTEMS.

Claims use since 1897.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 190,296. Registered Oct. 14, 1924. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

ROADGRIPPER

FOR TIRES COMPOSED WHOLLY OR PARTIALLY OF RUBBER.

Claims use since October, 1919.

Reg. No. 290,525. Registered Jan. 5, 1932. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

COMRADE

FOR PNEUMATIC RUBBER TIRES FOR VEHICLES.

Claims use since Sept. 1, 1930.

Reg. No. 298,779. Registered Nov. 8, 1932. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

The word "Certificate" is disclaimed apart from the mark as shown.

FOR PNEUMATIC RUBBER TIRES FOR VEHICLES.

Claims use since April 1929.

Reg. No. 318,731. Registered Oct. 30, 1934. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

ROADGRIPPER
FIRST LINE

The words "First Line" are disclaimed apart from the mark as shown.

FOR PNEUMATIC RUBBER TIRES FOR VEHICLES.

Claims use since April 1929.

Reg. No. 318,916. Registered Nov. 6, 1934. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

ZEPHYR

FOR PNEUMATIC RUBBER TIRES FOR VEHICLES.

Claims use since June 1, 1934.

Reg. No. 336,271. Registered June 30, 1936. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

PHARIS' MUDGRIPPER

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since Jan. 1, 1936.

Reg. No. 352,378. Registered Nov. 30, 1937. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

SIGNAL TREAD

The word "Tread" is disclaimed apart from the mark as shown.

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since Apr. 1, 1937.

Reg. No. 354,255. Registered Feb. 8, 1938. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

LIFE-BELT

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since June 1, 1937.

Reg. No. 354,645. Registered Feb. 15, 1938. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

RIBGRIPPER

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since Sept. 1, 1937.

Reg. No. 361,127. Registered Oct. 11, 1938. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

LIGHTNING

FOR RUBBER AND RUBBER-CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since May 1, 1936.

Reg. No. 390,732. Registered Sept. 30, 1941. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

AIRMISER

FOR RUBBER AND RUBBER-CONTAINING PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since May 20, 1941.

Reg. No. 400,774. Registered Mar. 30, 1943. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

CRESCENT

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since December 1940.

Reg. No. 416,781. Registered Sept. 25, 1945. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

CYCLECADE

FOR PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS.

Claims use since July 4, 1944.

Reg. No. 419,230. Registered Feb. 5, 1946. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio, a corporation of Ohio. Republished by registrant.

IROQUOIS

FOR PNEUMATIC TIRES AND INNER TUBES FOR PNEUMATIC TIRES.

Claims use since June 5, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 338,822. Registered Sept. 15, 1936. SCHERL & ROTH, INC., New York, N. Y., assignor to Scherl & Roth, Inc. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

The word "Model" is disclaimed apart from the mark as shown.

FOR CORNETS, TRUMPETS, TROMBONES, ALTOS, $E\flat$ AND $BB\flat$ BASSES, SOUSAPHONES, CLARINETS, SAXOPHONES, OBOES, FLUTES, PICCOLOS, AND BASSOONS.

Claims use since Jan. 13, 1934.

CLASS 37

PAPER AND STATIONERY

Reg. No. 296,504. Registered Aug. 9, 1932. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

PABCO

FOR MULCH PAPER.

Claims use since January 1922.

Reg. No. 360,317. Registered Sept. 13, 1938. CARBON SYSTEMS, INC., Kansas City, Mo., a corporation of

Reg. No. 385,818. Registered Mar. 18, 1941. HOLMES EUREKA LUMBER COMPANY, Eureka and San Francisco,

Reg. No. 170,392. Registered July 17, 1923. DISNEY HATS, New York, N. Y. Republished by The Frank H.

Reg. No. 219,642. Registered Oct. 19, 1926. DISNEY HATS, New York, N. Y. Republished by The Frank H.

Reg. No. 360,317. Registered Sept. 13, 1938. CARBON SYSTEMS, INC., Kansas City, Mo., a corporation of Missouri. Republished by registrant.

Speedrite

FOR COMMERCIAL AND BUSINESS FORMS, BOTH PLAIN AND PRINTED, IN THE NATURE OF INVOICES, STATEMENTS, ACCOUNTING FORMS, BANK CHECKS, EITHER SINGLE OR MANIFOLD, INSERT SHEETS, BOTH CARBONIZED AND PLAIN.
Claims use since Dec. 24, 1937.

CLASS 38
PRINTS AND PUBLICATIONS

Reg. No. 196,223. Registered Mar. 10, 1925. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

Di-noc

FOR TRANSFER PRINTS FOR WINDOW SIGNS AND FOR OTHER ADVERTISING DISPLAYS.
Claims use since on or about Apr. 1, 1923.

Reg. No. 261,336. Registered Sept. 17, 1929. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BLUE LINK

FOR PERIODICAL.
Claims use since Jan. 17, 1928.

Reg. No. 288,931. Registered Nov. 10, 1931. THE MEYERCORD COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DU-CAL

FOR DECALCOMANIA TRANSFERS.
Claims use since August 1926.

Reg. No. 385,818. Registered Mar. 18, 1941. HOLMES EUREKA LUMBER COMPANY, Eureka and San Francisco, Calif., a corporation of California. Republished by registrant.

Redwood Home of the Month

The word "Redwood" is disclaimed apart from the mark as shown.
FOR PERIODICAL PUBLICATION ILLUSTRATING AND DESCRIBING USES AND ADVANTAGES OF REDWOOD LUMBER AND PRODUCTS IN HOME CONSTRUCTION.
Claims use since March 1938.

CLASS 39
CLOTHING

Reg. No. 73,087. Registered Mar. 16, 1909. JOEL BAILY DAVIS CO., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PEERLESS

FOR HOSIERY.
Claims use since about 1881.

Reg. No. 79,596. Registered Sept. 20, 1910. CLIFFORD H. OAKLEY, Trenton, N. J. Republished by Essex Rubber Company, Trenton, N. J., a corporation of New Jersey.

FOR RUBBER SOLES AND HEELS.
Claims use since Mar. 15, 1907.

Reg. No. 170,392. Registered July 17, 1923. DISNEY HATS, New York, N. Y. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

QUALITY SUPERFINE
DISNEY
NEW YORK

FOR HATS AND CAPS.
Claims use since 1892.

Reg. No. 177,965. Registered Jan. 1, 1924. KEET & ROUNTREE DRY GOODS CO., Springfield, Mo. Republished by Springfield Garment Mfg. Company, Springfield, Mo., a corporation of Missouri.

FITSU

The rectangular background of the mark is indicated in red, and the oppositely flared configuration in the center is shown as having a blue background, the lettering remaining in white.
FOR OVERALLS, WORKSHIRTS, JUMPERS, DUCK COATS, KHAKI COATS, CORDUROY COATS, DUCK PANTS, KHAKI PANTS, AND CORDUROY PANTS.
Claims use since June 1, 1939.

Reg. No. 207,936. Registered Jan. 12, 1926. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

ÆTNA

FOR HATS FOR MEN AND BOYS.
Claims use since on or about Jan. 1, 1915.

Reg. No. 219,621. Registered Oct. 19, 1926. DISNEY HATS, New York, N. Y. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

"PENNY WEIGHT"

FOR CAPS AND HATS FOR MEN AND WOMEN.
Claims use since June 17, 1926.

Reg. No. 219,642. Registered Oct. 19, 1926. DISNEY HATS, New York, N. Y. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

DISNEY

FOR CAPS AND HATS FOR MEN AND WOMEN.
Claims use since 1885.

Reg. No. 227,527. Registered May 10, 1927. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

FIESTA

FOR HOSIERY.
Claims use since Nov. 1, 1926.

Reg. No. 231,080. Registered Aug. 9, 1927. MCDERMOTT & SHORT, New York, N. Y. Republished by Stephen McDermott, New York, N. Y.

Invincible

FOR MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' HOSIERY.
Claims use since Feb. 15, 1927.

Reg. No. 254,437. Registered Mar. 26, 1929. FRENCH, SHRINER & URNER, Boston, Mass. Republished by French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts.

FRENCH, SHRINER & URNER
Shoemakers for Men

The words "Shoemakers for Men" are disclaimed apart from the mark as shown.
FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Mar. 1, 1928.

Reg. No. 262,143. Registered Oct. 1, 1929. FRENCH, SHRINER & URNER, Boston, Mass. Republished by French, Shriner & Urner Manufacturing Co., Boston, Mass., a corporation of Massachusetts.

FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since May 15, 1909.

Reg. No. 269,359. Registered Apr. 1, 1930. PARKS HOSIERY MILLS, INC., Asheboro, N. C. Republished by Acme Hosiery Mills, Inc., Asheboro, N. C., a corpora-

Reg. No. 278,203. Registered Dec. 9, 1930. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

Reg. No. 309,372. Registered Jan. 9, 1934. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

Reg. No. 321,027. Registered Jan. 15, 1935. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Reg. No. 269,359. Registered Apr. 1, 1930. PARKS HOSIERY MILLS, INC., Asheboro, N. C. Republished by Acme Hosiery Mills, Inc., Asheboro, N. C., a corporation of North Carolina.

Raylo

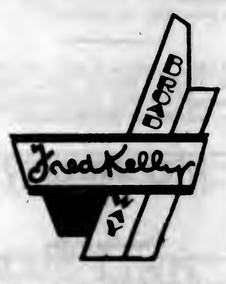
FOR HOSIERY.
Claims use since July 25, 1929.

Reg. No. 274,050. Registered Aug. 19, 1930. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Frank H. Lee Co.

FOR MEN'S SOFT AND STIFF FELT HATS, STRAW HATS, WOOL HATS, AND CAPS.
Claims use since January 1930.

Reg. No. 276,387. Registered Oct. 21, 1930. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.



FOR MEN'S SOFT AND STIFF FELT HATS, STRAW HATS, WOOL HATS, AND CAPS.
Claims use since January 1930.

Reg. No. 276,388. Registered Oct. 21, 1930. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Fred Kelly

FOR MEN'S SOFT AND STIFF FELT HATS, STRAW HATS, WOOL HATS, AND CAPS, AND MEN'S SUITS AND OVERCOATS.
Claims use since January 1930.

Reg. No. 278,203. Registered Dec. 9, 1930. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

DURALITE

FOR RUBBER SOLES.
Claims use since July 14, 1930.

Reg. No. 279,665. Registered Jan. 20, 1931. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

Hy-Flex

FOR RUBBER AND COMPOSITION HEELS FOR BOOTS AND SHOES.
Claims use since Aug. 7, 1930.

Reg. No. 288,684. Registered Nov. 3, 1931. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

SOUDAN FELTS

The word "Felts" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S FELT HATS.
Claims use since Dec. 24, 1930.

Reg. No. 303,448. Registered May 23, 1933. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

Princess

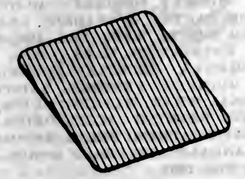
FOR HOSIERY.
Claims use since about Oct. 1, 1913.

Reg. No. 305,659. Registered Aug. 22, 1933. FREEMAN SHOE CORPORATION, Beloit, Wis., a corpration of Wisconsin. Republished by registrant.

FREEMAN
SHOCK-EASER ARCH
Master-Fitter

The words "Shock Easer Arch" are disclaimed apart from the mark as shown.
FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATION THEREOF.
Claims use since Jan. 15, 1933.

Reg. No. 309,372. Registered Jan. 9, 1934. ESSEX RUBBER COMPANY, Trenton, N. J., a corporation of New Jersey. Republished by registrant.



The drawing is lined for green.
FOR RUBBER HEELS.
Claims use since Mar. 13, 1933.

Reg. No. 315,995. Registered Aug. 14, 1934. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

She walks in Loveliness who walks in

STOCKINGS
by
PECK & PECK

The words "Stockings By" are disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since January 1934.

Reg. No. 320,446. Registered Jan. 1, 1935. LINCOLN STORES, INCORPORATED, Quincy, Mass., a corporation of Massachusetts. Republished by registrant.

FOR HOSIERY.
Claims use since May 1932.

Reg. No. 321,027. Registered Jan. 15, 1935. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

FOR MEN'S AND WOMEN'S FELT HATS.
Claims use since Apr. 1, 1934.

Reg. No. 321,346. Registered Jan. 29, 1935. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

The term "2 Ounce" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S FELT HATS.
Claims use since Apr. 1, 1934.

Reg. No. 322,781. Registered Mar. 19, 1935. TRI-STAR HOSIERY CO., New York, N. Y., a firm. Republished by registrant.

FOR HOSIERY.
Claims use since Feb. 14, 1933.

Reg. No. 323,770. Registered Apr. 30, 1935. ARTCRAFT SILK HOSIERY MILLS, INC., Philadelphia, Pa. Republished by Artcraft Hosiery Sales Corp., Derby, Pa., a corporation of Pennsylvania.

Artcraft

FOR WOMEN'S HOSIERY.
Claims use since December 1921.

Reg. No. 330,061. Registered Nov. 19, 1935. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

TRIMMED COATS, CAPES, WRAPS, JACKETS, BREECHES, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, MUDDY BLOUSES, OUTER WAISTS; LINGE-

Reg. No. 333,055. Registered Mar. 10, 1936. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Reg. No. 355,435. Registered Mar. 15, 1938. THE A. E. HODGSON CORP., Danbury Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

Reg. No. 330,061. Registered Nov. 19, 1935. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

PECK

FOR WEARING APPAREL FOR WOMEN—NAMELY, COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, FUR TRIMMED COATS, CAPES, WRAPS, JACKETS, BREECHES, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, MIDDY BLOUSES, OUTER WAISTS; LINGERIE—NAMELY, SLIPS, PETTICOATS, BRASSIÈRES, PANTIES, DRAWERS, CORSETS, AND GIRDLES; LOUNGING ROBES, HOSIERY; GLOVES MADE WHOLLY OR PARTLY OF FABRIC, LEATHER OR FUR; OUTER SHIRTS, SWEATERS, JERSEYS, TRIMMED AND UNTRIMMED HATS, CAPS, RUBBERS, SCARFS, SHAWLS, NECKTIES, MUFFLERS AND REEFERS, GUIMPES, VESTEES, JABOTS; BELTS FOR PERSONAL WEAR, BATHING SUITS, BATHING CAPES, AND BATHING ACCESSORIES—NAMELY, BATHING CAPS, BATHING BELTS, BATHING SHOES, BATHING SANDALS, AND BEACH ROBES.

Claims use since 1892.

Reg. No. 330,149. Registered Nov. 19, 1935. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

FOR WEARING APPAREL FOR WOMEN—NAMELY, COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, FUR TRIMMED COATS, CAPES, WRAPS, JACKETS, BREECHES, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, MIDDY BLOUSES, OUTER WAISTS; LINGERIE—NAMELY, SLIPS, PETTICOATS, BRASSIÈRES, PANTIES, DRAWERS, CORSETS, AND GIRDLES; LOUNGING ROBES, HOSIERY; GLOVES MADE WHOLLY OR PARTLY OF FABRIC, LEATHER OR FUR; OUTER SHIRTS, SWEATERS, JERSEYS, TRIMMED AND UNTRIMMED HATS, CAPS, RUBBERS, SCARFS, SHAWLS, NECKTIES, MUFFLERS AND REEFERS, GUIMPES, VESTEES, JABOTS; BELTS FOR PERSONAL WEAR, BATHING SUITS, BATHING CAPES, AND BATHING ACCESSORIES—NAMELY, BATHING CAPS, BATHING BELTS, BATHING SHOES, BATHING SANDALS, AND BEACH ROBES.

Claims use since 1892.

Reg. No. 330,150. Registered Nov. 19, 1935. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

PECK & PECK

FOR WEARING APPAREL FOR WOMEN—NAMELY, COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, FUR TRIMMED COATS, CAPES, WRAPS, JACKETS, BREECHES, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, MIDDY BLOUSES, OUTER WAISTS; LINGERIE—NAMELY, SLIPS, PETTICOATS, BRASSIÈRES, PANTIES, DRAWERS, CORSETS, AND GIRDLES; LOUNGING ROBES; HOSIERY; GLOVES MADE WHOLLY OR PARTLY OF FABRIC, LEATHER, OR FUR; OUTER SHIRTS, SWEATERS, JERSEYS; TRIMMED AND UNTRIMMED HATS; CAPS, RUBBERS, SCARFS, SHAWLS, NECKTIES, MUFFLERS AND REEFERS, GUIMPES, VESTEES, JABOTS, BELTS FOR PERSONAL WEAR; BATHING SUITS, BATHING CAPES, AND BATHING ACCESSORIES—NAMELY, BATHING CAPS, BATHING BELTS, BATHING SHOES, BATHING SANDALS, AND BEACH ROBES.

Claims use since 1892.

Reg. No. 330,151. Registered Nov. 19, 1935. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

Peck-a-Peck

FOR WEARING APPAREL FOR WOMEN—NAMELY, COATS, OVERCOATS, RAINCOATS, MACKINAWS, SPORT COATS, HOUSE COATS, FUR COATS, FUR TRIMMED COATS, CAPES, WRAPS, JACKETS, BREECHES, SUITS, DRESSES, OUTER SKIRTS, BLOUSES, MIDDY BLOUSES, OUTER WAISTS; LINGERIE—NAMELY, SLIPS, PETTICOATS, BRASSIÈRES, PANTIES, DRAWERS, CORSETS, AND GIRDLES; LOUNGING ROBES; HOSIERY; GLOVES MADE WHOLLY OR PARTLY OF FABRIC, LEATHER, OR FUR; OUTER SHIRTS, SWEATERS, JERSEYS; TRIMMED AND UNTRIMMED HATS; CAPS, RUBBERS, SCARFS, SHAWLS, NECKTIES, MUFFLERS AND REEFERS, GUIMPES, VESTEES, JABOTS, BELTS FOR PERSONAL WEAR; BATHING SUITS, BATHING CAPES, AND BATHING ACCESSORIES—NAMELY, BATHING CAPS, BATHING BELTS, BATHING SHOES, BATHING SANDALS, AND BEACH ROBES.

Claims use since 1892.

Reg. No. 330,750. Registered Dec. 17, 1935. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Sportweight

FOR MEN'S AND WOMEN'S HATS MADE OF FELT AND/OR STRAW.

Claims use since June 20, 1935.

Reg. No. 330,788. Registered Dec. 17, 1935. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

bon-voyage

FOR MEN'S HATS MADE OF FELT AND/OR STRAW.

Claims use since Apr. 19, 1932.

Reg. No. 333,055. Registered Mar. 10, 1936. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

VelvoVelour FINEST SILK VELOUR

The words "Velour" and "Finest Silk Velour" are disclaimed apart from the mark as shown.

FOR MEN'S AND WOMEN'S FELT HATS.

Claims use since Nov. 1, 1918.

Reg. No. 334,868. Registered May 19, 1936. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

HABERDASHER

FOR WOMEN'S DRESSES AND BLOUSES.

Claims use since August 1933.

Reg. No. 336,491. Registered July 7, 1936. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

WATER-BLOC

FOR MEN'S AND WOMEN'S FELT HATS.

Claims use since Apr. 1, 1934.

Reg. No. 337,772. Registered Aug. 18, 1936. J. FRIEDMAN & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROCKORA

FOR MEN'S OVERCOATS AND TOP COATS.

Claims use since March 1936.

Reg. No. 351,000. Registered Oct. 12, 1937. THE A. E. HODSHON CORPORATION, Danbury, Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

Melo-lite

FOR MEN'S AND WOMEN'S FELT HATS.

Claims use since Apr. 20, 1937.

Reg. No. 355,248. Registered Mar. 8, 1938. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Swags

FOR MEN'S TROUSERS.

Claims use since Oct. 15, 1937.

Reg. No. 355,435. Registered Mar. 15, 1938. THE A. E. HODSHON CORP., Danbury Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

FOR HATS, HAT BODIES, HAT HOODS, HAT STRIPS, AND HAT SKIRTS.

Claims use since June 1937.

Reg. No. 357,531. Registered June 7, 1938. THE A. E. HODSHON CORP., Danbury Conn. Republished by The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut.

GlovTex

FOR MEN'S AND WOMEN'S FELT HATS.

Claims use since Dec. 17, 1937.

Reg. No. 358,908. Registered July 26, 1938. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Danway

FOR MEN'S AND WOMEN'S HATS.

Claims use since Mar. 1, 1938.

Reg. No. 360,062. Registered Sept. 6, 1938. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

CITY SLICKER

The word "Slicker" is disclaimed apart from the mark as shown.

FOR RAINCOATS.

Claims use since Mar. 28, 1934.

Reg. No. 360,303. Registered Sept. 13, 1938. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Reg. No. 380,076. Registered Aug. 6, 1940. LEOPOLD MORSE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

Reg. No. 405,049. Registered Jan. 4, 1944. TRI-STAR HOSIERY CO., New York, N. Y., a firm. Republished by registrant.

Reg. No. 427,705. Registered Feb. 18, 1947. HUISKAMP BROS. CO., Keokuk, Iowa, a corporation of Iowa. Republished by registrant.

Reg. No. 360,303. Registered Sept. 13, 1938. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

FOR MEN'S AND WOMEN'S HATS.
Claims use since Mar. 31, 1938.

Reg. No. 364,935. Registered Feb. 21, 1939. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

COBWEB

FOR SWEATERS.
Claims use since Dec. 15, 1934.

Reg. No. 372,299. Registered Oct. 31, 1939. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

The word "Lee" is disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S STRAW, FELT, AND WOOL HATS.
Claims use since Nov. 27, 1936.

Reg. No. 376,721. Registered Apr. 2, 1940. HUISKAMP BROTHERS Co., Keokuk, Iowa, a corporation of Iowa. Republished by registrant.

Classic Moderns

The word "Moderns" is disclaimed apart from the mark as shown.
FOR WOMEN'S SHOES, MADE OF LEATHER, RUBBER, FABRIC, AND/OR COMBINATIONS OF SUCH MATERIALS.
Claims use since May 1, 1939.

Reg. No. 380,076. Registered Aug. 6, 1940. LEOPOLD MORSE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

NORTH SHORE

FOR MEN'S SUITS.
Claims use since Mar. 1, 1936.

Reg. No. 382,278. Registered Oct. 22, 1940. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

CANEBRAKE

FOR MEN'S AND WOMEN'S STRAW HATS, SOFT AND STIFF HATS OF FUR FELT, AND WOOL HATS.
Claims use since Sept. 9, 1939.

Reg. No. 384,942. Registrred Feb. 11, 1941. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

WHIP CORD

FOR MEN'S AND WOMEN'S FUR FELT HATS.
Claims use since Apr. 26, 1938.

Reg. No. 387,477. Registered May 20, 1941. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

The words "Feather Weight" are disclaimed apart from the mark as shown.
FOR MEN'S AND WOMEN'S STRAW, FELT, AND WOOL HATS.
Claims use since July 1938.

Reg. No. 396,091. Registered June 30, 1942. WHITEHOUSE MANUFACTURING COMPANY, Chicago, Ill. Republished by Whitehouse Manufacturing Company, Inc., Chicago, Ill., a corporation of Illinois.

Whitehouse SERVING FORMALS

The words "Serving Formals" are disclaimed apart from the mark as shown.
FOR LADIES' AND MEN'S WASHABLE COTTON WORK UNIFORMS.
Claims use since Mar. 1, 1941.

Reg. No. 402,749. Registered Aug. 10, 1943. PRIM-ERA HOSIERY MILLS, INC., Chester, Ill. Republished by Prim Hosiery, Inc., Chester, Ill., a corporation of Illinois.

Miss Prim

FOR LADIES' HOSIERY.
Claims use since about Dec. 15, 1921.

Reg. No. 405,049. Registered Jan. 4, 1944. TRI-STAR HOSIERY Co., New York, N. Y., a firm. Republished by registrant.

Tri Mark

The word "Mark" is disclaimed apart from the mark as shown.
FOR HOSIERY, UNDERWEAR AND LINGERIE FOR LADIES' WEAR—NAMELY, SLIPS, PETTICOATS, BLOOMERS, UNDERDRAWERS, UNDERSHIRTS, CHEMISES, AND BRASSIÈRES, ALSO MEN'S AND CHILDREN'S HOSIERY AND UNDERWEAR.
Claims use since January 1935.

Reg. No. 405,467. Registered Feb. 1, 1944. TRI-STAR HOSIERY Co., New York, N. Y., a firm. Republished by registrant.

Tri-Star

FOR UNDERWEAR AND LINGERIE FOR LADIES' WEAR—NAMELY, SLIPS, BLOOMERS, PETTICOATS, UNDERDRAWERS, UNDERSHIRTS, CHEMISES, AND BRASSIÈRES; ALSO UNDERWEAR FOR CHILDREN—NAMELY, SHIRTS AND DRAWERS; AND MEN'S UNDERWEAR—NAMELY, SHIRTS, SHORTS, DRAWERS, AND UNION SUITS.
Claims use since March 1933.

Reg. No. 407,242. Registered May 23, 1944. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Wanalyn

FOR MISSES' AND WOMEN'S DRESSES, COATS, SUITS, AND HATS.
Claims use since Aug. 18, 1941.

Reg. No. 409,649. Registered Oct. 17, 1944. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Staton Wagon

FOR MEN'S FUR FELT AND STRAW HATS AND CAPS.
Claims use since Feb. 28, 1939.

Reg. No. 427,705. Registered Feb. 18, 1947. HUISKAMP BROS. Co., Keokuk, Iowa, a corporation of Iowa. Republished by registrant.

Vocation

FOR WOMEN'S SHOES MADE OF LEATHER, FABRIC, PLASTIC, AND/OR COMBINATIONS THEREOF.
Claims use since Jan. 21, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 72,292. Registered Jan. 12, 1909. THE SCHWARZWAELDER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

DE LUXE

FOR CLOTHS AND WORSTEDS FOR GARMENTS.
Claims use since May 1908.

Reg. No. 245,674. Registered Aug. 21, 1928. BOOTT MILLS, Lowell, Mass., a corporation of Massachusetts. Republished by registrant.

Priscilla Boott-Colonial

FOR TURKISH TOWELS.
Claims use since Apr. 9, 1928.

Reg. No. 302,665. Registered Apr. 25, 1933. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

"TOBACCO TWINE"

The word "Twine" is disclaimed apart from the mark as shown.
FOR PIECE GOODS OF COTTON, SILK, WOOL, LINEN, AND MIXTURES OF SAME FOR DRESSES, SWEATERS, COATS, AND THE LIKE.
Claims use since Sept. 15, 1932.

Reg. No. 324,286. Registered May 14, 1935. CRAWFORD MANUFACTURING Co., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

SHADY-NOOK

FOR AWNING FABRICS AND CANVAS GOODS—NAMELY, DRILLS AND DUCKS.
Claims use since Dec. 1, 1934.

Reg. No. 358,955. Registered July 26, 1938. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y., a corpora-

CLASS 44

Reg. No. 144,682. Registered July 19, 1921. AMERICAN POP CORN COMPANY, Sioux City and Schaller, Iowa. Republished by American Pop Corn Company, Sioux

Reg. No. 266,753. Registered Feb. 4, 1930. OCEANIC SALES COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

Reg. No. 358,955. Registered July 26, 1938. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Masterpiece

FOR PIECE GOODS IN THE NATURE OF A WOVEN MATERIAL SIMILAR TO NET USED FOR NEEDLEWORK.
Claims use since Dec. 17, 1937.

Reg. No. 414,008. Registered May 22, 1945. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SLEEPY HEAD

FOR QUILTS AND TOPS OF QUILTS.
Claims use since July 20, 1944.

CLASS 43

THREAD AND YARN

Reg. No. 369,467. Registered July 25, 1939. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by David Traum Company, Incorporated, New York, N. Y., a corporation of New York.

HIAWATHA

FOR ELASTIC THREAD.
Claims use since July 10, 1938.

Reg. No. 370,961. Registered Sept. 12, 1939. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y., a corporation of New York. Republished by registrant.

DUCHESS

FOR YARN.
Claims use since Mar. 11, 1938.

Reg. No. 413,179. Registered Apr. 10, 1945. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SKYLARK

FOR WOOL YARN.
Claims use since May 1, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 355,882. Registered Apr. 5, 1938. HECHLER BROTHERS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

Hearite

FOR HEARING AID UNDER GARMENTS AND DEVICES FOR ASSISTING HEARING AND PARTS THEREOF.
Claims use since July 1937.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 47,061. Registered Oct. 24, 1905. THE NEW CENTURY MILLING COMPANY, Dallas, Tex. Republished by Tex-O-Kan Flour Mills Co., Dallas, Tex., a corporation of Delaware.

BLUE BONNET

FOR WHEAT FLOUR.
Claims use since Sept. 1, 1901.

Reg. No. 77,343. Registered Mar. 29, 1910. TEXAS STAR FLOUR MILLS, Galveston, Tex. Republished by Texas Star Flour Mills, Galveston, Tex., a corporation of Texas.

ANITA

FOR WHEAT FLOUR.
Claims use since 1896.

Reg. No. 117,868. Registered Aug. 7, 1917. INTERSTATE COTTON OIL REFINING CO., Sherman, Tex. Republished by Mrs. Tucker's Foods, Inc., Sherman, Tex., a corporation of Delaware.

VELVET

FOR SHORTENING COMPOSED OF COTTON SEED OIL AND OLEO STEARIN.
Claims use since Oct. 13, 1916.

Reg. No. 144,682. Registered July 19, 1921. AMERICAN POP CORN COMPANY, Sioux City and Schaller, Iowa. Republished by American Pop Corn Company, Sioux City, Iowa, a corporation of Iowa.

JOLLY TIME

FOR POP CORN IN ITS NATURAL STATE.
Claims use since Apr. 1, 1914.

Reg. No. 175,121. Registered Oct. 30, 1923. SAVANNAH TRUCKERS EXCHANGE, Savannah, Ga. Republished by J. L. Budreau & Co., Presque Isle, Maine, a corporation of Maine.

TWIN DIAMOND

The drawing is lined for red.
FOR FRESH VEGETABLES.
Claims use since Feb. 1, 1922.

Reg. No. 179,602. Registered Feb. 12, 1924. C. A. MURDOCK MFG. CO., Kansas City, Mo. Republished by Jewett & Sherman Co., Milwaukee, Wis., a corporation of Wisconsin.

TROPICAL

FOR PREPARED MUSTARD AND PREPARED MUSTARD CREAM SALAD, AND SPICES.
Claims use since 1914.

Reg. No. 224,664. Registered Mar. 1, 1927. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CO-ED

FOR CANDY.
Claims use since June 1, 1926.

Reg. No. 224,991. Registered Mar. 8, 1927. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Villa

FOR CANDY.
Claims use since Oct. 8, 1926.

Reg. No. 266,753. Registered Feb. 4, 1930. OCEANIC SALES COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

OCEAN'S BEST

The word "Best" is disclaimed apart from the mark as shown.
FOR CANNED SALMON.
Claims use since Aug. 13, 1929.

Reg. No. 268,247. Registered Mar. 11, 1930. OCEANIC SALES COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

SEAFED

FOR CANNED SALMON.
Claims use since June 16, 1927.

Reg. No. 272,775. Registered July 15, 1930. WILLIAM C. O'SULLIVAN, doing business as O'Sullivan's, Casper, Wyo. Republished by Karmelkorn Corporation, Chicago, Ill., a corporation of Illinois.

KARMELKORN

FOR POP-CORN CANDY.
Claims use since Jan. 1, 1930.

Reg. No. 285,604. Registered July 28, 1931. THE RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

YELLOW GLOBE

FOR FRESH CITRUS FRUITS.
Claims use since Jan. 23, 1929.

Reg. No. 289,192. Registered Nov. 24, 1931. AMERICAN POP CORN COMPANY, Sioux City, Iowa, a corporation of Iowa. Republished by registrant.

GIANT YELLOW

The word "Yellow" is disclaimed apart from the mark as shown.
FOR POP CORN IN ITS NATURAL STATE.
Claims use since Jan. 1, 1930.

Reg. No. 301,810. Registered Mar. 14, 1933. E. M. TODD CO., Richmond, Va., a corporation of Virginia. Republished by registrant.

LUCKY STRIKE

FOR PACKING HOUSE PRODUCTS — NAMELY, HAMS, AND BACON AND SAUSAGE.
Claims use since Oct. 7, 1932.

Reg. No. 310,328. Registered Feb. 20, 1934. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

Reg. No. 335,064. Registered May 19, 1936. CHULA VISTA VEGETABLE EXCHANGE, Chula Vista, Calif., a cor-

Reg. No. 349,978. Registered Sept. 14, 1937. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois.

Reg. No. 354,462. Registered Feb. 15, 1938. GLENDORA CO-OPERATIVE CITRUS ASSOCIATION, Glendora, Calif.,

Reg. No. 310,328. Registered Feb. 20, 1934. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

BEE RIPENED

FOR HONEY.
Claims use since Jan. 20, 1931.

Reg. No. 311,152. Registered Mar. 13, 1934. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

BZB

FOR HONEY.
Claims use since Jan. 20, 1931.

Reg. No. 315,777. Registered Apr. 7, 1934. T. M. PARKS, Lompoc, Calif. Republished by registrant.

Cappello

FOR FRESH VEGETABLES.
Claims use since Sept. 25, 1933.

Reg. No. 323,352. Registered Apr. 9, 1935. T. M. PARKS, Lompoc, Calif. Republished by registrant.

DUTCH BOY

FOR FRESH VEGETABLES.
Claims use since Dec. 6, 1934.

Reg. No. 325,302. Registered June 18, 1935. WENATCHEE JIM HILL GROWERS, INC., Wenatchee, Wash., now by change of name Apple Capital Growers, Inc. Republished by Apple Capital Growers, Inc., Wenatchee, Wash., a corporation of Washington.

APPLE CAPITAL

The word "Apple" is disclaimed apart from the word "Capital" as shown.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Aug. 18, 1933.

Reg. No. 326,848. Registered Aug. 6, 1935. GENERAL FOOD PRODUCTS CO., Los Angeles, Calif. Republished by Glenfield Food Company, San Francisco, Calif., a corporation of California.

SLEEPY HOLLOW

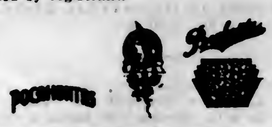
FOR CANDY, TABLE SYRUP, JELLIES, AND PEANUT BUTTER.
Claims use since Nov. 11, 1919.

Reg. No. 335,064. Registered May 19, 1936. CHULA VISTA VEGETABLE EXCHANGE, Chula Vista, Calif., a corporation of California. Republished by registrant.

SILVER STRAND

FOR FRESH CELERY.
Claims use since Dec. 30, 1935.

Reg. No. 336,457. Registered July 7, 1936. H. P. TAYLOR, JR., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.



The drawing is lined for blue, red, green, yellow, and gold.
FOR CANNED FRUITS AND VEGETABLES, CANNED FISH ROE AND CANNED SHELLFISH, TOMATO JUICE, CRANBERRY SAUCE, CANNED PRUNES.
Claims use since 1893.

Reg. No. 342,850. Registered Feb. 2, 1937. BARRICINI INC., Long Island City, N. Y., a corporation of New York. Republished by registrant.

BARRI-POPS

The word "Pops" is disclaimed apart from the mark as shown.
FOR CANDY.
Claims use since June 16, 1936.

Reg. No. 344,465. Registered Mar. 23, 1937. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Old "Doc" Brox

FOR CANDY.
Claims use since Aug. 23, 1936.

Reg. No. 347,082. Registered Jan. 15, 1937. CHICKY CANDIES, INC., Grand Rapids, Mich. Republished by E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois.

SWING

FOR CANDY.
Claims use since Jan. 11, 1937.

Reg. No. 347,120. Registered June 15, 1937. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Fame and Fortune

FOR CANDIES.
Claims use since Mar. 9, 1934.

Reg. No. 349,978. Registered Sept. 14, 1937. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HONEY QUEENS

The word "Honey" is disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since Feb. 6, 1937.

Reg. No. 350,295. Registered Sept. 21, 1937. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Republished by registrant.

VISITOR

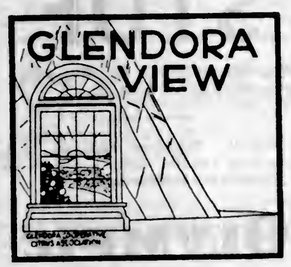
FOR FRESH CITRUS FRUIT.
Claims use since May 12, 1937.

Reg. No. 352,782. Registered Dec. 14, 1937. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ZOLO-NUT

The word "Nut" is disclaimed apart from the mark as shown.
FOR CANDIES.
Claims use since May 8, 1920.

Reg. No. 354,461. Registered Feb. 15, 1938. GLENDORA CO-OPERATIVE CITRUS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.



The name "Glendora" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since May 25, 1931.

619 O. G.—7

Reg. No. 354,462. Registered Feb. 15, 1938. GLENDORA CO-OPERATIVE CITRUS ASSOCIATION, Glendora, Calif., a corporation of California. Republished by registrant.

The name "Glendora" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since May 13, 1931.

Reg. No. 355,748. Registered Mar. 29, 1938. CALIFORNIA FIG GROWERS & PACKERS, INC., Fresno, Calif. Republished by registrant.

Softenized

FOR DRIED FIGS.
Claims use since Aug. 23, 1937.

Reg. No. 355,858. Registered Apr. 5, 1938. SYLMAR PACKING CORPORATION, Los Angeles, Calif., a corporation of California. Republished by registrant.

The drawing is lined for gold, red, and black.
FOR VEGETABLE OILS FOR FOOD PURPOSES—NAMELY, OLIVE OIL; CANNED AND BOTTLED FRUITS AND VEGETABLES—NAMELY, RIPE OLIVES, RIPE GREEN OLIVES, ANCHOVY STUFFED RIPE OLIVES, BREAKFAST FIGS, PEELED PIMIENTO; SPICED AND PRESERVED FRUITS—NAMELY, PRESERVED FIGS, SPICED WATERMELON RIND; JAM—NAMELY, FIG JAM; MARMALADE—NAMELY, GRAPEFRUIT MARMALADE; AND FRUIT JUICES FOR FOOD PURPOSES—NAMELY, ORANGE JUICE.
Claims use since Dec. 11, 1936.

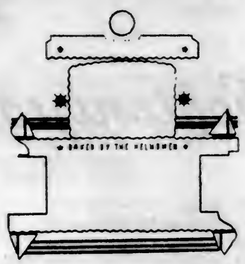
Reg. No. 370,675. Registered Sept. 5, 1939. MYRA

Reg. No. 356,190. Registered Apr. 19, 1938. REDLANDS MUTUAL ORANGE ASSOCIATION, Redlands, Calif., a corporation of California. Republished by registrant.

ORANGE BLOSSOM

No claim is made to the representation of the oranges apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since September 1912.

Reg. No. 356,709. Registered May 10, 1938. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.



The word "Baked" is disclaimed apart from the mark as shown.
FOR BAKERY GOODS—NAMELY, CAKES, PIES, DOUGHNUTS, COOKIES, PLAIN, AND FANCY BREADS.
Claims use since Aug. 21, 1937.

Reg. No. 356,710. Registered May 10, 1938. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.

The word "Flavor" is disclaimed apart from the mark as shown.
FOR BAKERY GOODS—NAMELY, CAKES, PIES, DOUGHNUTS, COOKIES, PLAIN AND FANCY BREADS.
Claims use since Aug. 21, 1937.

Reg. No. 357,560. Registered June 7, 1938. SUPREME OLIVE OIL CORPORATION, San Fernando, Calif., a corporation of California. Republished by registrant, present address San Francisco, Calif.

BELLE DAME

FOR CANNED FRUITS, CANNED OLIVES, OLIVE OIL, BOTTLED PIMENTOS, PRESERVED WATERMELON RIND, AND CANNED CITRUS FRUIT JUICES FOR FOOD PURPOSES.
Claims use since Dec. 28, 1937.

Reg. No. 359,173. Registered Aug. 9, 1938. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

FOR HONEY.
Claims use since June 1, 1937.

Reg. No. 359,257. Registered Aug. 9, 1938. ADAMS & BROOKS, Los Angeles, Calif., a firm. Republished by registrant.

Ice Box

FOR RAW POPCORN.
Claims use since Mar. 14, 1938.

Reg. No. 360,166. Registered Sept. 6, 1938. ADAMS & BROOKS, Los Angeles, Calif., a firm. Republished by registrant.

STUF

FOR POPPED POPCORN.
Claims use since May 8, 1938.

Reg. No. 360,431. Registered Sept. 20, 1938. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.

OLYMPIC

FOR BAKERY GOODS—NAMELY, BREAD, ROLLS, DOUGHNUTS, PIES, NOT INCLUDING FIG BARS OR BARS OF OTHER FRUIT AND/OR CONFECTION CONTENT.
Claims use since May 1, 1931.

Reg. No. 366,345. Registered Apr. 11, 1939. THE RIVERSIDE HEIGHTS ORANGE GROWERS ASSOCIATION, Riverside, Calif., a corporation of California. Republished by registrant.

PEPPER LEAF

FOR FRESH CITRUS FRUIT.
Claims use since February 1912.

Reg. No. 366,442. Registered Apr. 11, 1939. VOIGT MILLING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

FOR WHEAT FLOUR.
Claims use since June 1913.

Reg. No. 368,869. Registered July 4, 1939. A. GIOLITTI, Sanger, Calif., Republished by registrant.

Baby VIRGINIA

The word "Virginia" is disclaimed apart from the mark as shown.
FOR FRESH GRAPES.
Claims use since Oct. 17, 1938.

Reg. No. 370,116. Registered Aug. 15, 1939. TEAGUE-MCKEVETT ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

COMPASS

FOR FRESH CITRUS FRUIT.
Claims use since Jan. 1, 1915.

Reg. No. 370,117. Registered Aug. 15, 1939. TEAGUE-MCKEVETT ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

Golden Bowl

FOR FRESH CITRUS FRUIT.
Claims use since Mar. 8, 1912.

Reg. No. 370,675. Registered Sept. 5, 1939. MYRA STAFF, doing business as Dairy Products Co., Birmingham, Ala. Republished by Dairy Products Company, Inc., Birmingham, Ala., a corporation of Alabama.

CLOVERLEAF BRAND SKIM MILK POWDER

The words "Brand" and "Skim Milk Powder" are disclaimed apart from the mark as shown.
FOR DRIED SKIMMED MILK (NON-FAT, DRY MILK SOLIDS).
Claims use since Nov. 1, 1935.

Reg. No. 377,346. Registered Apr. 30, 1940. NESSIM ALHADEFF, doing business as Whis Fish Products Company, Seattle, Wash. Republished by Whis Fish Products Company, Inc., Seattle, Wash., a corporation of Washington.

Ocean Glen

FOR CANNED FISH.
Claims use since Oct. 10, 1939.

Reg. No. 385,696. Registered Mar. 11, 1941. IVAR C. H. WENDT, doing business as Ivar Wendt, Seattle, Wash. Republished by registrant.

PACIFIC PEARL

FOR CANNED OYSTERS AND CANNED SALMON.
Claims use since Sept. 6, 1940.

Reg. No. 385,838. Registered Mar. 18, 1941. HELMS BAKERIES, Los Angeles, Calif., a corporation of California. Republished by registrant.

EAT VITAMIN BREAD FOR HEALTHY YEARS AHEAD!

The words "Eat Vitamin Bread" are disclaimed apart from the mark as shown.
FOR BREAD.
Claims use since Sept. 12, 1940.

Reg. No. 434,214. Registered Nov. 11, 1947. PACIFIC

Reg. No. 434,923. Registered Dec. 9, 1947. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn., a cor-

Reg. No. 313,154. Registered May 15, 1934. EHRMAN BROS., HORN & CO., San Francisco, Calif. Republished

Reg. No. 395,274. Registered May 19, 1942. E. J. BRACH & SONS, Chicago, Ill., a corporation of Ohio. Republished by registrant.

Hill-Side

FOR CANDY.
Claims use since Apr. 25, 1941.

Reg. No. 398,359. Registered Oct. 27, 1942. VOIGT MILLING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

FLUFF-EAT-A

FOR CAKE FLOUR.
Claims use since Apr. 15, 1936.

Reg. No. 433,004. Registered Sept. 23, 1947. KNAPP-BERRILL COMPANY, Donna, Tex., a firm. Republished by registrant.

The word "Texas" is disclaimed apart from the mark as shown.
FOR CANNED TOMATO JUICE AND CANNED GRAPEFRUIT JUICE FOR FOOD PURPOSES.
Claims use since June 6, 1945.

Reg. No. 433,079. Registered Sept. 23, 1947. P. F. LIKINS, Chula Vista, Calif. Republished by registrant.

PFL

FOR FRESH VEGETABLES.
Claims use since Jan. 23, 1946.

Reg. No. 434,214. Registered Nov. 11, 1947. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash., a corporation of Delaware. Republished by registrant.

Sam-O-Lets

FOR CANNED SALMON.
Claims use since on or about Dec. 21, 1946.

Reg. No. 434,610. Registered Nov. 25, 1947. DONNA FRUIT COMPANY, Edinburg, Tex., a firm. Republished by registrant.

IN STEP

FOR FRESH CITRUS FRUITS.
Claims use since February 1940.

Reg. No. 434,921. Registered Dec. 9, 1947. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn., a corporation of Minnesota. Republished by registrant.

The representation of the asparagus is disclaimed apart from the mark as shown as a whole.
FOR CANNED ASPARAGUS.
Claims use since Sept. 25, 1939.

Reg. No. 434,922. Registered Dec. 9, 1947. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn., a corporation of Minnesota. Republished by registrant.

The representation of the corn is disclaimed apart from the mark as shown as a whole.
FOR CANNED CORN WITH PEPPERS.
Claims use since Dec. 21, 1941.

Reg. No. 434,923. Registered Dec. 9, 1947. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn., a corporation of Minnesota. Republished by registrant.

The representation of the peas is disclaimed apart from the mark as shown as a whole.
FOR CANNED PEAS.
Claims use since July 1, 1936.

Reg. No. 434,924. Registered Dec. 9, 1947. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn., a corporation of Minnesota. Republished by registrant.

The representation of the asparagus is disclaimed apart from the mark as shown as a whole.
FOR CANNED ASPARAGUS.
Claims use since July 25, 1941.

Reg. No. 434,977. Registered Dec. 9, 1947. WILLIAMS-NEWTON COMPANY, INCORPORATED, Los Angeles, Calif., a corporation of California. Republished by registrant.

WINCO

FOR FRESH AVOCADOS AND FRESH VEGETABLES—NAMELY, LETTUCE AND CELERY.
Claims use since Dec. 5, 1946.

CLASS 47

WINES

Reg. No. 311,858. Registered Apr. 10, 1934. ELLENA BROS., Cucamonga and Etiwanda, Calif., by Ellena Brothers, Etiwanda, Calif., a corporation of California.

REGINA

FOR WINE.
Claims use since May 1, 1933.

Reg. No. 313,154. Registered May 15, 1934. EHRMAN BROS., HORN & CO., San Francisco, Calif. Republished by Montebello Wine Co. of California, San Francisco, Calif., a corporation of California.

VISTA DE ORO

FOR WINES.
Claims use since Dec. 22, 1933.

Reg. No. 370,402. Registered Aug. 29, 1939. ELLENA BROTHERS, Etiwanda, Calif. Republished by Ellena Brothers, Etiwanda, Calif., a corporation of California.

PINK CHEVRON

FOR CHAMPAGNE.
Claims use since Apr. 8, 1938.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 322,845. Registered Mar. 19, 1935. JOS. S. FINCH & COMPANY, New York, N. Y., a corporation of Pennsylvania. Republished by registrant.

GOLDEN WEDDING

FOR WHISKEY.
Claims use since 1869.

Reg. No. 326,396. Registered July 23, 1935. ELLENA BROS., Cucamonga and Etiwanda, Calif. Republished by Ellena Brothers, Etiwanda, Calif., a corporation of California.

REGINA

FOR BRANDY, GIN, AND WHISKEY.
Claims use since Mar. 25, 1935.

Reg. No. 430,950. Registered July 1, 1947. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif., a corporation of California. Republished by registrant.

Grape Gold

The word "Grape" is disclaimed apart from the mark as shown.
FOR BRANDY.
Claims use since Jan. 31, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 323,930. Registered May 7, 1935. CRAWFORD MANUFACTURING CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

SHADY-NOOK

FOR AWNINGS.
Claims use since Dec. 1, 1934.

GRANTED FEBRUARY 1, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

821
PEACH TREE
Jesse A. Wickersham, Yakima County, Wash.
Application July 1, 1947, Serial No. 758,331
1 Claim. (Cl. 47—62)

The new and distinct variety of peach tree of the Elberta type as herein disclosed, characterized particularly by its blocky, highly colored fruit having a distinctive mild flavor, very high sugar content, and unusually good keeping qualities.

822
ROSE PLANT
Thomas J. Andre, Doylestown, Pa., assignor to Andre Greenhouses, Inc., Doylestown, Pa., a corporation of Pennsylvania
Application February 14, 1947, Serial No. 728,465
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant of the general Talisman type, substantially as herein shown and described, characterised particularly by its strong and free growth habits and continuous blooming habits; its need for warmer temperatures to secure best blooming results; its larger, heavier and darker foliage for Talisman type rose; its strong stems; its large, long, tapering bud almost uniformly deep orange in color; and its flowers of pink and orange tones which last unusually well without fading.

PATENTS

GRANTED FEBRUARY 1, 1949

2,460,266
MANUFACTURE OF PLASTER OF PARIS
Cuthbert Leslie Haddon, Newark-on-Trent, England
No Drawing. Application November 4, 1944, Serial No. 562,043. In Great Britain December 17, 1942
1 Claim. (Cl. 106—112)

A process of producing plaster of Paris comprising mixing ground gypsum with water and substantially one part per thousand of keratin, heating the mixture thus obtained with agitation in a closed vessel at a temperature between 125° C. and 160° C. until the gypsum is converted into plaster of Paris consisting mainly of hemihydrate crystals of squat shape, the proportion of water being sufficient to maintain a liquid phase throughout the treatment.

2,460,267
MANUFACTURE OF PLASTER OF PARIS
Cuthbert Leslie Haddon, Newark-on-Trent, England
No Drawing. Application November 4, 1944, Serial No. 562,044. In Great Britain December 17, 1942
4 Claims. (Cl. 106—111)

1. A process of producing plaster of Paris comprising mixing ground gypsum with water and substantially one part per thousand of a water-soluble salt of a water-insoluble fatty acid having in its molecule only one carboxyl group, heating the mixture thus obtained with agitation in a closed vessel at a temperature between 125° C. and 160° C. until the gypsum is converted into plaster of Paris consisting mainly of hemihydrate crystals of squat shape, the proportion of water being sufficient to maintain a liquid phase throughout the treatment.

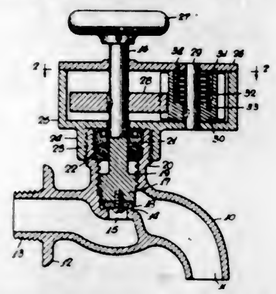
2,460,268
REFRACTORY COMPOSITION AND METHOD OF PRODUCING SAME
Theodore Kauffman, Jr., and Louis J. Jacobs, Chicago, Ill., assignors to The S. Obermayer Co., Chicago, Ill., a corporation of Ohio
No Drawing. Application November 14, 1945, Serial No. 628,662
3 Claims. (Cl. 106—67)

1. A method of making a refractory composition that is intermediate to a loose mixture of the dry ingredients and a ready to use plastic refractory, that is capable of being handled and shipped without segregation of the heavy coarse particles from the fine light particles to any substantial extent, which comprises subjecting a mixture of substantially 65% to 90% refractory grog particles and 35% to 10% plastic fire clay, by weight, to a mulling and kneading action with a quantity of water, approximately 4% by weight, sufficient to give the plastic fire clay optimum stickiness and substantially less than that necessary to produce a plastic refractory of a consistency suitable for monolithic refractory construction, until the grog particles are individually coated with the clay and the coated particles are in agglomerates that, upon drying, are easily friable, and drying the agglomerates.

2,460,269
PERSONAL BODY AIR CONDITIONING DEVICE
William B. Appeldoorn, Detroit, Mich.
Application March 16, 1945, Serial No. 583,133
5 Claims. (Cl. 4—160)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

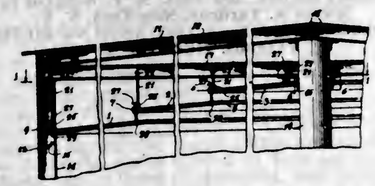
1. A body conditioning device comprising, in combination, a plurality of interconnected flexible air conduits conformable generally to the contours of the body of a person and disposable on the surface of the latter, said conduits having a multiplicity of apertures therein spaced on the inner side surfaces of said conduits throughout a major portion of the lengths thereof to disperse tempered air from a source of such air throughout the surface area of the body covered by said conduits, and a separate removable cover member of relatively slight porosity for enclosing the air conduits and the portion of the body aerated by said conduits.

2,460,270
VALVE
Donald S. Ashley, Cleverdale, and William H. Weaver, Glen Falls, N. Y.; said Weaver assignor to said Ashley
Application April 9, 1946, Serial No. 660,690
9 Claims. (Cl. 251—141)



1. Operating mechanism comprising, in combination, a moving member, a mutilated gear on said moving member and adapted to be moved in one direction on actuation of said moving member, said mutilated gear being movable through a path including a predetermined point, a second mutilated gear arranged to mesh with said first-mentioned mutilated gear, spring means associated with said second mutilated gear adapted to be placed under tension on actuation of said second mutilated gear, said mutilated gears and spring means being constructed and arranged so that unless said first-mentioned mutilated gear is moved beyond said predetermined point by said moving member, upon interruption of the actuation of said moving member the spring means causes the second mutilated gear to actuate the first-mentioned mutilated gear to restore the moving member to its original position, and upon movement of said first-mentioned mutilated gear beyond said predetermined point, the spring means becomes ineffective to cause the second mutilated gear to effect actuation of the first-mentioned mutilated gear.

2,460,271
APPARATUS FOR DEHYDRATING PETROLEUM PRODUCTS IN SITU IN TANK STORAGE
Edward P. Baker, New York, N. Y.
Application July 12, 1945, Serial No. 604,570
9 Claims. (Cl. 196—5)



1. In a storage tank for heavy liquids such as petroleum products of low volatility having an enclosing wall and a metal roof structure separating the atmospheric air from the space within the tank, the combination therewith of a plurality of sheets of heat conducting material of predetermined maximum length supported within said space beneath said roof structure with their lengths inclined to the horizontal and with the lower edge portions thereof in overlapping and vertically spaced relation to the upper edge portions of the sheets subjacent thereto to provide a condensation-inducing and conducting structure extending generally horizontally substantially completely across the internal cross section of said tank, means providing a heat conducting connection from said sheets to the tank structure to maintain said sheets at a temperature inducing condensation thereon of water vapor present in said space when condensation of such vapor occurs on said roof, the inclination of said sheets being sufficient to cause the water condensed on the under surface thereof to run on said under surface toward the lower edges thereof while clinging to said under surface by surface tension, said sheets providing at their undersurface thereof a plurality of downwardly projecting rounded ridges each running in the direction of the inclination of the sheets and spaced apart transversely of said direction of inclination, said spacing and the length of the sheets being predetermined in relation to the inclination of said sheets to provide for accumulating and conducting to said lower edge of each sheet an amount of condensed water which will run upon the undersurface of each ridge and cling thereto by surface tension without dropping therefrom before reaching said lower edge of the sheets and will drip from said lower edge upon the upper surface of the subjacent sheet, each of said sheets having its upper surface formed so as to conduct to its lower edge the water condensed on or falling thereon, and means for collecting and conducting to a place of disposal the water dripping from the lower edge of the lowermost sheet.

2,460,272
CARBINE TOOL
Joseph J. Bartolat, Fort Lewis, Wash.
Application February 8, 1945, Serial No. 576,869
1 Claim. (Cl. 29—240)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A tool device for a carbine comprising a support; means on said support constructed to detachably secure said support in predetermined fixed relation to, and with its axis rigidly oriented and parallel to the axis of a carbine; a hollow guide sleeve integral with and extending from said support and open only at the end remote from said support, the axis of said sleeve being offset from and parallel with said support axis; a removable work-engaging element rotatably and slidably mounted in said guide sleeve and freely removable through said open end; resilient means in said guide sleeve biased to urge said work-engaging element toward the work to be engaged, said work-engaging element having a transverse perforation; a lever constructed at one end to engage either end of said transverse perforation for rotating said work-engaging element; and chain means connecting the other end of said lever with said support.

2,460,273
METHOD OF PRODUCING CAN BODIES HAVING VENTED SIDE SEAMS
Thomas Begg, Nutley, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application March 27, 1947, Serial No. 737,556
2 Claims. (Cl. 113—120)

1. The method of producing sheet metal can bodies having vent channels formed in the side seams thereof to facilitate soldering, comprising

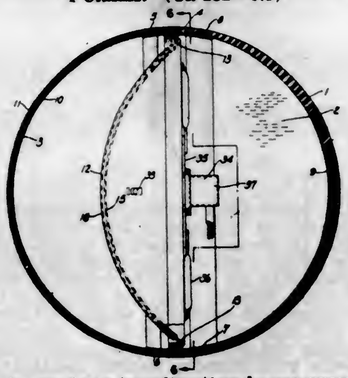
impressing corrugations in a blank extending inwardly from a marginal side seam edge portion thereof, forming said blank into a substantially tubular can body, bending said corrugated side seam portion of the blank along a fold line extending longitudinally of the blank and transversely across said corrugations to produce a side seam hook having spaced vent channels of substantial U-shape extending around the bend of the hook, bending the opposite marginal side seam edge portion of the blank into a cooperating uncorrugated hook, loosely interengaging said hooks, and finally bumping said interengaged hooks together without flattening said corrugations, to produce an interlocked transversely corrugated side seam including said spaced vent channels therein for a subsequent soldering operation.

2,460,274

SUBMARINE SIGNALING APPARATUS

Hugo Benioff, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware

Application December 9, 1942, Serial No. 468,435
4 Claims. (Cl. 181—0.5)



1. An underwater directional, compressional wave signaling device adapted to be projected into the water comprising, in combination, a hollow spherical shell adapted to be filled with a wave transmitting medium and having a front half formed of a wave transmitting material and a rear half formed of a wave reflecting material, a concave wave reflector shaped to bring incident plane waves to a focus substantially at a point, positioned within said shell with its outer circumference bounded substantially at the junction of the two halves thereof and with the concave face facing toward said wave transmitting half, said point being sufficiently close to said reflector to be contained within said shell whereby a wave transducer may be placed within said shell at said point of focus.

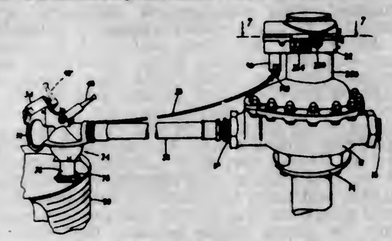
2,460,275

PREDETERMINING DISPENSING SYSTEM

Charles P. Bergman, Brooklyn, N. Y., and Mead Cornell, Cleveland, Ohio, assignors to Rockwell Manufacturing Company, a corporation of Pennsylvania

Original application February 2, 1940, Serial No. 316,888. Divided and this application May 27, 1942, Serial No. 444,696
10 Claims. (Cl. 222—20)

1. Measuring apparatus comprising a meter, a register driven thereby and provided with trip mechanism, a pipe connected to said meter, a valve in said pipe, means to close said valve, detent means holding said valve open, and motion transmitting mechanism between the valve



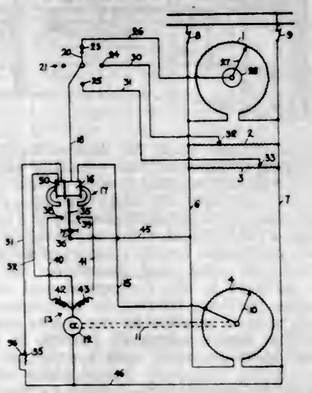
detent and the register trip mechanism, said motion transmitting mechanism including a bellows at the valve detent, a bellows at the register trip, a tube extending between said bellows, and fluid sealed in said connected bellows and tube.

2,460,276

ELECTRIC MOTOR CONTROL APPARATUS WITH AUTOMATIC "Z" EFFECT

Robert Bernas, New York, N. Y., assignor to Michel N. Yardeny, New York, N. Y.

Application October 9, 1945, Serial No. 621,346
5 Claims. (Cl. 318—29)



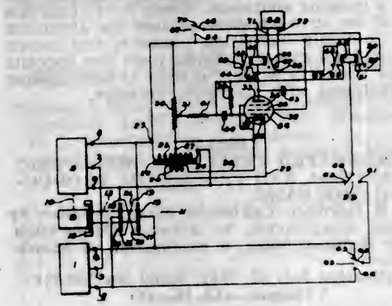
1. An electrical remote control apparatus for placing a load in a selected position, comprising a load motor for operating the load; a transmitter and a receiver, each comprising two control members, one of the members being movable and operatively connected with the load motor; circuit means including the transmitter and receiver; a relay means included in said circuit for energizing the motor for causing the movable member of the receiver to be placed in a position corresponding to the position of one of the control members of the transmitter, the said position being a deenergizing position for the relay means; and a second circuit means connecting the relay means with the motor armature for deenergizing the relay means, thereby deenergizing the motor in advance of the movable element reaching the said deenergizing position when the motor rotates in a predetermined direction and for maintaining the relay means energized when the motor rotates in the opposite direction, thereby causing the motor to be stopped always after rotation in the predetermined direction.

2,460,277

ELECTRONIC TIMING DEVICE

Phillip J. Cade, Sharon, Mass., assignor to Photoswitch, Incorporated, Cambridge, Mass., a corporation of Massachusetts

Application November 1, 1946, Serial No. 707,167
7 Claims. (Cl. 318—283)



7. An electronic timing device for use with a machine having an oscillating work table operated by a three phase reversible motor, which comprises: first and second source terminals connected to a source of 3 phase electric power; first and second motor terminals connected to said motor; a reversing switch, actuated by said table and adapted to make and maintain connections between said source and motor terminals and to reverse said connections upon said table reaching either of its extreme positions; a voltage divider connected across said motor terminals; an electron discharge device having at least an anode, cathode, and a control electrode, said cathode being connected to said first motor terminal; an energy storage and dissipation means connected between said control electrode and a point on said voltage divider; a first current responsive operator means, bridged by a capacitor, connected between said anode and a terminal point; a second current responsive operator means connected between said terminal point and a first hand-operated switch adapted to make connection with said first motor terminal or with a second hand-operated switch to make contact to either of said source terminals; a first relay switch adapted to maintain connection between said second motor terminal and said terminal point, except when said first operator means is energized, and then to make connections between said second motor terminal and a second relay switch adapted to make a connection with said energy storage and dissipation means when said second operator means is energized; a third relay switch adapted to make a connection between said second motor terminal and said terminal point when said second operator means is energized; a third hand-operated switch adapted to make a connection between said second motor terminal and said terminal point; and control means actuated by said first operator means.

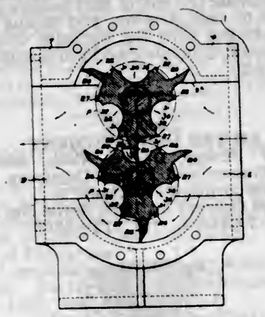
2,460,278

ROTARY PUMP FOR THICK FIBROUS SUSPENSIONS

Ernest P. Cook, Berlin, N. H., assignor to Improved Paper Machinery Corporation, Nashua, N. H., a corporation of Maine

Application February 4, 1944, Serial No. 521,109
36 Claims. (Cl. 103—126)

2. A rotary-piston pump characterized by a controlled displacement, comprising, in combination: a casing defining a rotor chamber; a plurality of interacting rotors therein on parallel axes transverse to the path of flow; each rotor having a circumferential series of alternated projective elements and valley elements; each projective element having a central radial thrust flank, an angular rearwardly relieved tip, and each valley element including rounded bottom and flaring side walls; said projective elements



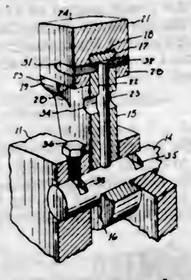
adapted for rotative passage through the valley elements with the projective tips in a clearant relation and angular presentation to the valley walls selected to afford during each such passage an initial shearing and subsequent scuffing separant action upon any adjacent fibrous mass of a fibre suspension to be pumped and simultaneously throughout said actions to effect a single lineal seal at the tip advancing through a valley.

2,460,279

HAMMER FOR IMPACT CRUSHERS WITH DETACHABLE AND REVERSIBLE HAMMER HEAD

Leslie G. Ehmann, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon

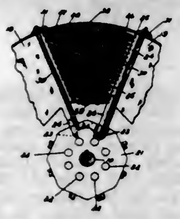
Application December 10, 1943, Serial No. 513,759
10 Claims. (Cl. 241—194)



1. A hammer for impact crushers comprising a shank, a hammer head replaceably mounted on the end of said shank, said shank comprising an inner end having an eye therethrough for mounting said shank on the pivot shaft of a rotor element in a rotary crusher and an outer end having a slot extending therethrough, a bore extending longitudinally of said shank and opening into said slot, a locking pin disposed in said bore and having free movement longitudinally thereof, the head comprising a work performing portion positioned away from the shank, a shank end receiving portion positioned toward the shank, a central open recess within said latter

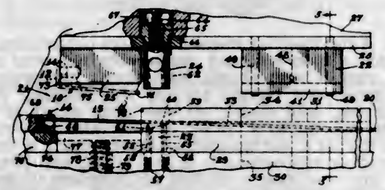
portion of such size as to receive therein the outer end of said shank, said recess having opposite wall portions, aligned slots extending through said wall portions, the slot in the outer end of said shank being in alignment with the slots in said walls when said shank and head are in assembled relation, a key insertable into the opening formed by said slots for locking said head on said shank, a through hole in said key for receiving the end of said locking pin when said key is in said opening, and means movable into engagement with the opposite end of said pin for releasably holding said pin in engagement with said key.

2,460,280
FILTER DISK SEGMENT
John H. V. Finney, Denver, Colo., assignor to Mining Process and Patent Company, Denver, Colo., a corporation of Delaware
Application October 22, 1943, Serial No. 507,256
7 Claims. (Cl. 210—201)



1. In a filter, a circular disk secured to a rotatable axial member, said disk being built up of similar aligned segments each including an effluent conduit member extending radially from the axial member, an imperforate support of impervious material disposed in the plane of the conduit and secured thereto, said conduit projecting inwardly beyond the support into the axial member, the support having a plurality of straight parallel grooves formed therein substantially perpendicular to the conduit and communicating at one end only directly with perforations formed only through the trailing side of the conduit, the other end of the grooves being blocked to the passage of liquid and a filter medium enveloping the support and the portion of the conduit abutting the support.

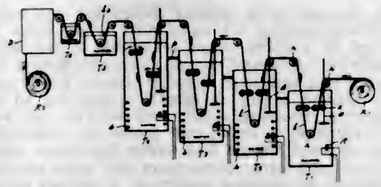
2,460,281
METHOD OF AND MEANS FOR MAKING METAL ARTICLES
Waldo L. Garberding, Chicago, Ill.
Application June 18, 1942, Serial No. 447,505
15 Claims. (Cl. 153—2)



1. The method of making a finger stop which comprises striking an integral spring-supporting tongue to extend angularly from one end portion of a relatively soft elongated sheet metal blank, bending said end portion into right-angular relation to the remainder of the blank and with the tongue overlying said remainder of the blank, and hardening the formed blank.

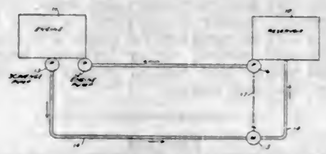
2. Apparatus for making articles from a sheet metal strip comprising, in combination, a base, means for holding the strip down against the base, a gauging abutment, means for forcing one side of the strip edgewise against the abutment with gradually increasing pressure, and means for trimming excess material from the opposite side of the strip while the strip is held against the abutment with maximum pressure.

2,460,282
REGENERATED CELLULOSE DIELECTRIC MATERIAL AND PROCESS OF PRODUCING THE SAME
Guy B. Gardner, Fairhaven, Mass., assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass., a corporation of Massachusetts
Application July 22, 1941, Serial No. 403,551
7 Claims. (Cl. 18—48)



4. The process of treating commercial "Cellophane" sheets that are substantially free of waterproof coating and of air voids and contain residues of acid bath, alkaline solvent and glycerol softener to convert the same into a dielectric for electrostatic condensers, which consists in passing the same successively through a bath of mono-hydric alcohol miscible with water, through a series of distilled water baths and finally through a second bath of mono-hydric alcohol miscible with water and then drying the sheet, with resultant substantial elimination of the residues of the acid bath, alkaline solvent, and the glycerol softener otherwise present in the "Cellophane."

2,460,283
LUBRICATING SYSTEM FOR MOTORS
Fred P. Gooch, Swarthmore, Pa., assignor to The Sharples Corporation, a corporation of Delaware
Application May 16, 1946, Serial No. 670,246
3 Claims. (Cl. 184—6)



1. In a circulating lubricating system for engines, the combination comprising a lubricant reservoir, an engine, an engine pump for impelling lubricant under pressure to the engine bearings, a second pump for impelling lubricant from the engine to the reservoir, an hydraulic-type motor mounted in the line of flow of said lubricant from said second pump to said reservoir, a booster pump for impelling lubricant from said reservoir to said engine pump, and an operating connection between said hydraulic-type motor and said booster pump to drive said booster pump by energy derived by said hydraulic-type motor from passage of lubricant from said second pump to said reservoir.

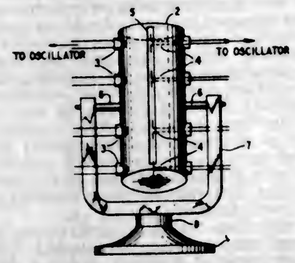
2,460,284
TOBACCO COMPOSITION AND METHOD OF MAKING IT
William J. Hale, Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C., a corporation of Delaware
No Drawing. Application August 1, 1944, Serial No. 547,627
6 Claims. (Cl. 131—17)

2. An article of manufacture comprising cured tobacco having therein a uniform dispersion of solubilized chlorophyll-carotenoids in the proportion of not more than substantially 3% on the dry weight of the tobacco.

2,460,285
TOBACCO PRODUCTS AND METHOD OF MAKING THEM
William J. Hale, Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C., a corporation of Delaware
No Drawing. Application August 1, 1944, Serial No. 547,628
8 Claims. (Cl. 131—15)

5. As an article of manufacture thin cellulosic sheets for cigarette paper, in which is intimately incorporated solubilized chlorophyll in an amount sufficient to induce the oxidation of aldehydic and other irritating vapors arising from the partial combustion of said paper during the course of the passage of said vapors over the chlorophyllized paper, the chlorophyll being utilized in an amount not more than substantially 3% on the dry weight of the paper.

2,460,286
RADIATING ELECTROMAGNETIC RESONATOR
William W. Hansen and Russell H. Varian, Stanford University, Calif., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Original application January 17, 1938, Serial No. 185,382, now Patent No. 2,415,094, dated February 4, 1947. Divided and this application November 13, 1940, Serial No. 365,450
10 Claims. (Cl. 250—33.63)

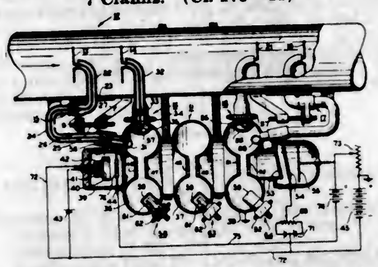


4. A high frequency antenna having a fan-shaped directivity pattern comprising a hollow conducting enclosed resonator adapted to contain standing electromagnetic waves therein resonant at a natural frequency thereof, electromagnetic coupling means within said resonator for coupling to said standing electromagnetic waves, said resonator having a major axis of a length materially longer than the wavelength in free space of said standing waves, said coupling means being relatively short compared to the length of said major axis, said resonator being apertured along said major axis to provide an electromagnetic wave translating area for translating waves between the interior and exterior of said resonator, said area being relatively small compared to the total wave-reflecting area within said resonator.

2,460,287
RADIATING ELECTROMAGNETIC RESONATOR
William W. Hansen, Garden City, and Russell H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a corporate body of California
Original application January 17, 1938, Serial No. 185,382. Divided and this application November 5, 1942, Serial No. 464,614
9 Claims. (Cl. 250—33.63)

1. A columnar radiator of electromagnetic energy consisting of an enclosed prismal hollow conductor having in one end face apertures of dimensions comprising but a fraction of a wavelength of the radiated electromagnetic energy, said apertures being distributed over an area greater in extent than a wavelength, and means for producing within the conductor electromagnetic waves whose electric vector is parallel to the face containing said apertures.

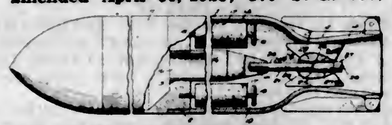
2,460,288
RESONATOR APPARATUS
William W. Hansen and Russell H. Varian, Garden City, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif., a legal entity of California
Original application August 24, 1939, Serial No. 291,652. Divided and this application December 6, 1943, Serial No. 513,002
7 Claims. (Cl. 178—44)



4. In signalling apparatus of the type embodying a single continuous high frequency energy conductor for conveying electromagnetic wave signals, the combination comprising an

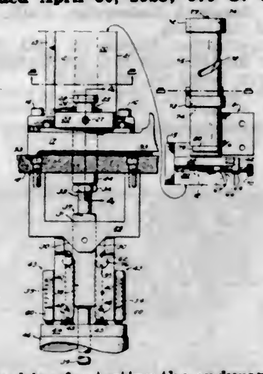
input resonator, an output resonator, means for producing an electron stream in energy-exchanging relation to both said resonators and means coupling said resonators to said conductor at respectively different points thereof, whereby said resonators and stream-producing means may serve to amplify energy flowing along said conductor.

2,460,289
ROCKET PROJECTILE
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application March 16, 1945, Serial No. 583,140
9 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a rocket motor chamber adapted to contain a propellent material combustible to generate a propellent fluid under pressure, said chamber having a constricted exit orifice communicating with an outwardly flaring passage, a generally conical member supported within said constriction to form an annular jet of increasing cross-sectional area away from said chamber, and non-oscillatory, energy absorbing means opposing movement of said member by said fluid pressure in a direction to increase the discharge area of said annular jet, whereby said member will be displaced within said constriction only when the force of the propellent fluid on said member exceeds the opposing force of said non-oscillatory means.

2,460,290
CARTRIDGE EXTRACTOR TESTING MACHINE
Normand P. Holcomb, Warehouse Point, Conn., assignor to the United States of America as represented by the Secretary of War
Application February 24, 1947, Serial No. 730,577
12 Claims. (Cl. 73—167)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

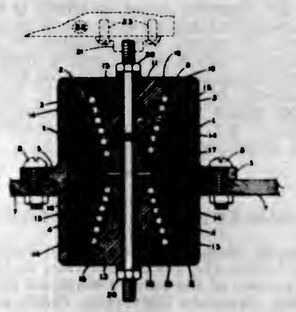


1. A machine for testing the endurance of firearm cartridge case extractors, comprising, means for holding a firearm bolt having an extractor assembled thereto, an adapter shaped to simulate a firearm cartridge case, said adapter arranged to reciprocate vertically and be engaged by said extractor on the upward stroke for an interval of time, a weight depending from said bolt holding means and arranged to be pulled upwardly along with said firearm bolt and extractor, means for releasing said weight after movement thereof has begun, and means for disengaging the extractor from said adapter.

2,460,291
PROCESS FOR PREPARATION OF TERPENE ALCOHOLS
Madison Hunt, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1944, Serial No. 552,566
11 Claims. (Cl. 260—631.5)

1. A process for the preparation of terpene alcohols having a plurality of C_5H_8 units in the molecule which comprises treating isoprene at 25° C. for six hours with one and one-half times its weight of dichloroacetic acid.

2,460,292
VIBRATION INSULATING MOUNTING
Nicholas Ivanovic, Philadelphia, Pa.
Application August 1, 1945, Serial No. 608,341
14 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

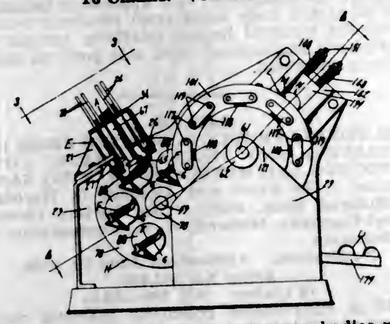


1. A vibration insulator comprising an annular fixed support structure having interiorly thereof an annular resilient member provided with angularly disposed annular surfaces extending in respectively opposite directions outwardly endwise of said fixed support structure, a plurality of non-resilient race members secured lengthwise of the angularly disposed surfaces of said resilient member, a floating support assembly disposed substantially coaxial within the said annular fixed support structure and having angularly disposed annular surfaces correspondingly associated with said angularly disposed surfaces of said annular resilient member of the said fixed support structure, and a plurality of non-resilient elements interposed between and in rolling contact with the angularly disposed surfaces of the float support and the non-resilient race members of the fixed support structure.

11. A vibration insulator comprising an annular fixed support structure having interiorly thereof an annular resilient member provided with angularly disposed annular surfaces extending in respectively opposite directions outwardly endwise of said fixed support structure, a plurality

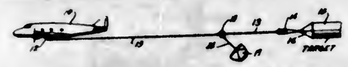
of non-resilient race members secured lengthwise of the angularly disposed surfaces of the said resilient member in substantially contiguous independent relation with respect to one another to provide substantially continuous non-resilient angular surfaces circumferentially of the angularly disposed surfaces of said resilient member, a floating support assembly disposed substantially coaxial within said annular fixed support structure and including members providing angularly disposed annular surfaces correspondingly associated with said angularly disposed surfaces provided by said non-resilient race members fixed to the angularly disposed surfaces of said resilient member, a plurality of non-resilient elements interposed between and in both lengthwise and circumferential rolling contact with the angularly disposed surfaces provided by the members of the floating support assembly and the non-resilient race members of the fixed support structure, a spacer sleeve having openings receiving said non-resilient elements and operable to maintain the same in predetermined spaced relation with respect to one another both lengthwise and circumferentially of the fixed and floating supports, and means to vary the spacing between the angularly surfaced members of the floating support assembly in an axial direction to vary a static compression exerted thereby through said non-resilient elements and race members upon the annular resilient member of the fixed support structure.

2,460,293
REFORMING MACHINE
Samuel S. Jacobs, San Mateo, and Howard B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application January 3, 1946, Serial No. 638,854
16 Claims. (Cl. 153—32)



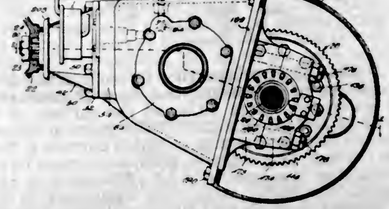
2. In a machine for reforming can bodies provided with relatively flat side parts joined by sharply curved connecting eyes, the combination of spreader devices for partially separating the side parts of a can body to initially open the body, a rotatable transfer turret disposed adjacent said spreader devices, means on said turret for receiving an opened can body from said spreader devices and for holding it in predetermined position during the rotation of said turret, a mandrel movable into position adjacent said transfer means, a body shifting device for transferring the initially opened body onto said mandrel, ironing elements engageable with the can body on said mandrel, and means for producing relative movement between said mandrel and said ironing elements for ironing out the eyes of the body to reform the body to a desired shape.

2,460,294
TARGET EXCHANGER
Le Roy S. Jessen, Dayton, Ohio
Application June 24, 1944, Serial No. 541,979
5 Claims. (Cl. 273—105.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In combination, a tow cable having one end adapted to be secured to an airplane, a terminal member secured to the other end of said cable, an anvil on the forward end of said terminal member, a tow target, a target lead cable secured to the tow target and being connected with said terminal member by extending transversely across the forward face of said anvil, and rearwardly directed cutting means mounted on and movable rearwardly along the tow cable and engageable with the forward face of said anvil to sever the lead cable where it extends transversely across said anvil and release said target.

2,460,295
DRIVE AXLE
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application March 11, 1944, Serial No. 526,044
4 Claims. (Cl. 74—327)



1. In a drive axle, an axle housing, a pair of axle shafts rotatably mounted in said axle housing, an auxiliary housing secured to said axle housing, a countershaft in said auxiliary housing parallel to and above said axle shafts, gear means and shiftable clutch means for transmitting power at different speed ratios from said countershaft to said axle shafts, the axis of said countershaft being displaced from a vertical plane containing the axis of said axle shafts, an engine driven shaft perpendicular to said axle shafts rotatably mounted in said auxiliary housing at a higher level than said countershaft, and gear means comprising meshed hypoid bevel gears for transmitting power from said driven shaft to said countershaft.

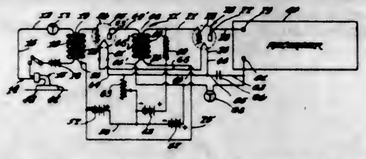
2,460,296
MECHANISM FOR FORMING VENTED CAN END SEAMS
William F. Kinney, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 27, 1946, Serial No. 679,830
3 Claims. (Cl. 113—19)

1. In a mechanism for securing a flanged end closure member to a flanged container body in a vented double seam end joint adapted to be sub-

sequently soldered, the combination of a chuck insertable into an end closure member assembled with a container body, said chuck having sharp cornered recesses extending transversely across its seam engaging peripheral surface, and a smooth-surfaced seaming roller adjacent said

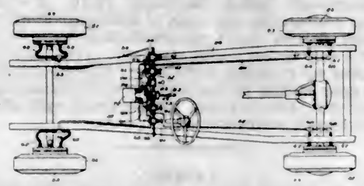
chuck for pressing the seam parts against said chuck surface to form the double seam, the chuck recesses having sufficient width that the action of the roller against the double seam at the recessed portions of the chuck will disturb the normal relative position of the inner layers of the seam to provide vent sections for subsequent soldering of the seam.

2,460,297
METHOD FOR GEOPHYSICAL PROSPECTING
Leicester F. Kitto, Glendale, Calif., assignor of one-half to Roderic Crandall, Roswell, N. Mex.
Application January 31, 1945, Serial No. 575,472
6 Claims. (Cl. 181—0.5)



1. Method of prospecting for subsurface accumulations of petroleum, the steps of detonating an explosive charge adjacent the surface of the earth, maintaining adjacent the point of detonation an electrical circuit in which current is flowing through non-metallic solid conductors lightly contacting one another and unshielded in relation to the earth, amplifying variations in flow of current through said circuit following immediately and within not exceeding 0.5 second.

2,460,298
WHEEL LOCK AND HYDRAULIC RELEASE
Joseph Kraus, Chicago, Ill.
Application July 10, 1947, Serial No. 759,957
3 Claims. (Cl. 301—9)



1. A wheel lock and hydraulic release comprising a plate having a plurality of bolts connected thereto at circumferentially spaced locations thereon, said bolts adapted to extend through a wheel plate, a wheel having recesses for receiving plates fixed to the bolts, said recesses being adapted when the wheel is rotated to one position to retain the wheel in locked engagement with the wheel plate and when rotated to an angular position adapted to permit the wheel to be removed from the bolts, and an actuating device adapted to apply pressure to the plates having the bolts to effect their outward movement, and spring means reacting between the plates to normally retain the bolts in locked engagement with the wheel recesses.

2,460,299
LIP ROUGE DISPENSER APPLICATOR
Ralph E. Kruck, Longmeadow, Mass.
Application April 27, 1946, Serial No. 665,435
7 Claims. (Cl. 132—88.7)

1. A device for dispensing and applying lip rouge comprising in combination, a container for lip rouge, an applicator at one end of the container having a longitudinal dispensing passageway therethrough, and means for forcing rouge in the container into and through the passageway of the applicator, said applicator including an elongated body made from relatively porous yieldable material having relatively non-porous peripheral longitudinal outer side portions and a porous outer end.

2,460,300
POLYMERIC PRODUCTS DERIVED FROM DIOLEFINS AND VINYL AROMATIC COMPOUNDS AND METHOD OF MAKING SAME
Walter J. Le Fevre and Kenneth G. Harding, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application June 29, 1944, Serial No. 542,818
18 Claims. (Cl. 260—86.5)

15. A vulcanizable polymeric material composed of a monovinyl aromatic compound of the benzene series having the vinyl radical attached to a carbon atom of the benzene nucleus, and a conjugated aliphatic diolefine, each in chemically combined form, the diolefine being in amount corresponding to between 37.5 and 94.5 mole per cent of the total amount of the diolefine and vinyl aromatic compound of which said product is composed, the polymeric product being one which is prepared by alternately emulsifying with water and polymerizing the monovinyl aromatic compound and the conjugated aliphatic diolefine, the compound last to be polymerized being added to the aqueous colloidal solution of the polymer formed in the preceding polymerization reaction, and in one such polymerization reaction the diolefine in amount corresponding to at least 37.5 mole per cent of the

polymerizable starting materials being polymerized in the absence of the monomeric vinyl aromatic compound and in the presence of hydrogen peroxide in amount corresponding to between 0.2 and 5 per cent of the weight of the diolefine, a ferric salt of an inorganic acid in amount such as to contain between 1 and 500 parts by weight of iron per million parts of the diolefine, and an inorganic acid in amount sufficient to give the emulsion a pH value between 1.5 and 3.

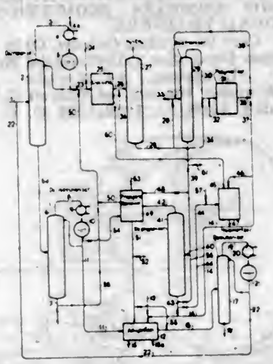
2,460,301
LUBRICATING OILS
Bert H. Lincoln, Ponca City, Okla., and Gordon D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to The Lubrizol Development Corporation, a corporation of Delaware
No Drawing. Application March 30, 1945, Serial No. 585,806
12 Claims. (Cl. 252—49.9)

1. A lubricant comprising in combination a major proportion of an oil of lubricating viscosity and a minor proportion sufficient to stabilize the oil against oxidation of an oil-soluble halogen-containing organic phosphorus compound having the general formula R_n—N:P(Q)$_n$ where R is an organic radical containing a benzenoid ring structure; N is trivalent nitrogen; Q is a halogen radical, and n is a small whole number selected from the numerical group consisting of the numbers 1 and three.

2,460,302
HAND-PIECE CHUCK
Milton S. Lundsten, United States Navy
Application August 20, 1945, Serial No. 611,675
6 Claims. (Cl. 279—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

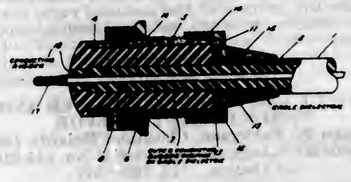
2. In a handpiece chuck, a housing, a collet-supporting splined rotatable shaft secured in said housing, an extensible headpiece detachably secured to said housing so that the outer surface of said headpiece is continuous with the outer surface of said housing, locking means slidably mounted on said splined shaft, resilient means for urging said locking means onto said splines so as to prevent rotation of said shaft with respect to said housing, a collet collar engaging the forward tip of said collet supporting shaft, means on said extensible headpiece for disengaging said shaft from its locked engagement with said housing, and further means on said extensible headpiece for positioning said collet collar onto or removing said collet collar from said shaft.

2,460,303
GASOLINE MANUFACTURE
Sumner H. McAllister, Lafayette, and John Anderson and Walter H. Peterson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 29, 1942, Serial No. 428,656
13 Claims. (Cl. 260—683.4)



2. A process of producing motor fuel components from normally gaseous hydrocarbons which comprises cracking propane to produce a mixture of ethylene, propylene and unreacted propane, separating the ethylene from the propylene and propane, converting the separated ethylene substantially to a mixture of alpha and beta butylenes by contact with a metal of the eighth group of the periodic table at between 30° C. and 150° C. substantially isomerizing the alpha butylene content of said mixture to beta butylene, and alkylating an isoparaffin with the resulting beta butylene.

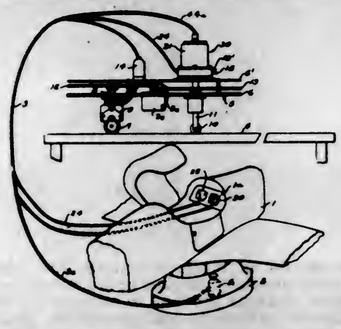
2,460,304
CONNECTOR
Kenneth McGee, Dayton, and Harold D. Vanderpool, Springfield, Ohio, assignors to the United States of America as represented by the Secretary of War
Application July 29, 1944, Serial No. 547,244
2 Claims. (Cl. 173—361)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an electrical cable connector, a substantially cylindrical outer shell having an inner peripheral shoulder intermediate its length, the internal diameter of said shell being reduced forward of said shoulder, a removable compressible resilient dielectric body seated within said shell under compression by the shell wall throughout the length of the shell, said dielectric body closely fitting the internal wall of said shell and in manually yieldable locking engagement with the aforementioned shoulder, said di-

electric body being formed with a central longitudinal bore for slidably receiving the cable conductor, and means for releasably attaching the outer braid of said cable to said outer shell.

2,460,305
DEVICE FOR SIMULATING AUTOMATIC RADIO COMPASS INDICATIONS IN GROUND TRAINERS
Carl W. Muller, Osborn, Ohio
Application December 9, 1940, Serial No. 369,275
14 Claims. (Cl. 35—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

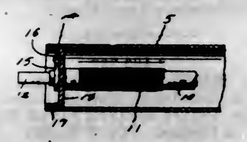


1. A device for aviation ground trainers for simulating the indications of a radio compass of the continuous bearing indicating type, comprising an indicator including a pointer and a reference dial, an electrical self-synchronous receiver for actuating said pointer and including two relatively angularly displaceable elements, a corresponding electrical self-synchronous transmitter including two rotatable elements, each electrically connected to a respective one of said receiver elements, means for rotatably positioning one of said transmitter elements in accordance with the instant heading of the associated ground trainer and means for rotatably positioning the other of said transmitter elements in accordance with the assumed position of said trainer relative to an assumed radio station point, relative rotation of said transmitter elements causing a corresponding angular displacement of said receiver elements to cause a displacement of the pointer of said indicator to continuously indicate the bearing of the assumed radio station point relative to the instant heading of the trainer.

2,460,306
TISSUE DISPENSING CONTAINER AND TISSUE PACKS THEREFOR
Herman W. Patterson, Cleveland Heights, Ohio
Application July 15, 1944, Serial No. 545,038
10 Claims. (Cl. 206—37)

7. As an article of manufacture: a pocketsized container for a package of interfolded tissue comprising a first major face portion having four edge faces each extending substantially at right angles to plane of the major face, a second major face portion having four edge faces three of which extend substantially at right angles to the plane of the major face and the fourth of which extends at an angle greater than 90 degrees to the plane of the major face, hinge means connecting said two portions together with the major faces extending substantially parallel to each other and the edges of the said three edge faces of the second major face portion substantially in engagement with and conforming to the edges of three of the said four edge faces of the first major portion for establishing three substantially closed side walls of said container, catch means connected to one of said side walls for displaceably holding said two major face portions together, the fourth edge face of said second major face portion lying outside and spaced from the corresponding edge of said first major face portion whereby a sheet of tissue may be drawn between them, and said corresponding edge extending from said first major face portion to a point close to said second major face portion for substantially closing the said container yet permitting withdrawal of sheets of tissue.

2,460,307
SHADE ROLLER
Elmer F. Pidgeon, Spiceland, Ind.
Application April 25, 1945, Serial No. 590,192
1 Claim. (Cl. 160—313)



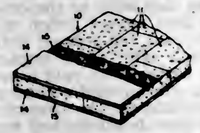
A shade roller comprising a roller shell, a shaft extending into the shell, a bracket engaging key at one end of the shaft, spring means between the shaft and the shell, a closure member for the shell at the keyed end of the shaft, said closure member being readily removable to permit access to the shaft and spring, said member being provided with peripheral threads, said shell being provided with internal threads to accommodate the first-mentioned threads.

2,460,308
DEVICE FOR SUPPORTING INFANTS WHILE BATHING
Victor Pribil, Floral Park, N. Y.
Application October 17, 1946, Serial No. 703,775
3 Claims. (Cl. 4—185)

1. An infant's support adapted for use in supporting an infant while bathing, comprising a frame consisting of a pair of straps disposed in spaced relationship, each strap comprising a lower section lying in a horizontal plane, a short connecting section at an obtuse angle to the lower section and an upper section longer than the lower section, inclined upwardly from the lower section and providing a flexible support,

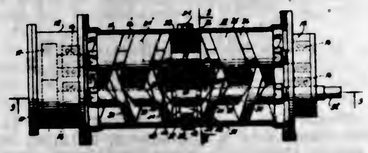
a cross bar connecting the lower sections to maintain them in fixed spaced position relative to each other, suction cups near the opposite ends of the lower sections, a body supporting apron extending between the upper section, detachably secured thereto and bridging the space therebetween to provide a support for the body of the infant, tapes extending from the opposite sides of said body supporting apron near the upper end thereof and adapted to be secured about the body of the infant beneath the arms, a member extending from the lower end of said apron adapted to be folded between the legs of an infant and having tapes thereon and tapes extending from the opposite sides of the apron near the lower end thereof and adapted to be secured to said tapes on said member to maintain the lower portion of the body of the infant on said apron.

2,460,309
PANEL STRUCTURAL UNIT
George M. Rapp, New Haven, Conn., assignor to John B. Pierce Foundation, New York, N. Y., a corporation of New York
Application November 19, 1942, Serial No. 466,123
5 Claims. (Cl. 154—45.9)



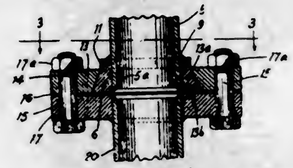
1. Structural sandwich panel material for use in building construction, comprising in combination a low-density core of panel formation composed of a plurality of highly porous, frangible blocks arranged side-by-side and end-to-end and firmly united by a bonding agent; and dense, rigid sheet surfacing possessing high tensile strength and high modulus of elasticity bonded to opposite panel faces of said core, substantially coextensively therewith so that the sandwich panel material exists as a continuously integrated and unitary structural entity in which both core and surfacings are adapted to participate and interact in carrying loads.

2,460,310
SCREW PUMP
Gilbert Rathman, Union, N. J., assignor to Roots-Connersville Blower Corporation, Connersville, Ind., a corporation of Indiana
Application November 20, 1943, Serial No. 511,083
9 Claims. (Cl. 230—143)



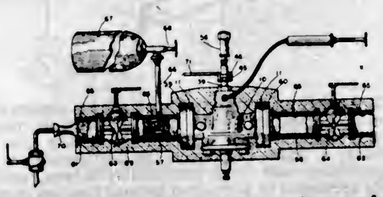
9. In a device of the class described, the combination of a casing provided with an inlet port and an outlet port, a pair of intermeshing screws fitted for free rotary movement in the casing and coacting to advance a fluid from the inlet port through the casing and out through the outlet port, means for driving one screw from the other at a one-to-one ratio, a partition fixed in the casing against movement axially of the screws and against which the discharge ends of both screws abut, the opposite or intake ends of the screws being wide open to the inlet port, said partition forming a barrier to close completely the discharge end of one of the screws and means controlled by the rotation of the other screw for opening communication between the discharge end of the said other screw and the outlet port once for each rotation of the screws.

2,460,311
TWO-PIECE WELDING PIPE FLANGE
Neil J. Riley, Lyndhurst, N. J.
Application August 11, 1945, Serial No. 610,286
1 Claim. (Cl. 285—1.0)



A pipe coupling, comprising in combination, a pair of pipe ends, a flange ring mounted concentrically on one of the pipe ends and projecting outwardly thereof and welded directly to the pipe end and also welded to the side of the pipe on opposite sides of said flange ring, a conical collar mounted concentrically on the other pipe end and projecting outwardly thereof and welded directly to the end engaged on one side of the conical collar and welded directly to the engaged pipe end on the other side of the flange collar, the wider end of said conical collar being disposed outwardly of the engaged pipe end, a flange forming ring having a conical bore having a matching fit with the conical collar, said first-named flange ring and said flange forming ring having registerable bolt holes, a gasket disposed between the outer end of the first-named flange ring and the outer end of the flange forming ring and engaged by both said rings, bolts extending through the bolt holes and nuts threaded on the bolts to clamp said rings against the gasket and to hold the confronting ends of said first-named flange ring and the conical collar under pressure engagement with the opposite faces of the gasket.

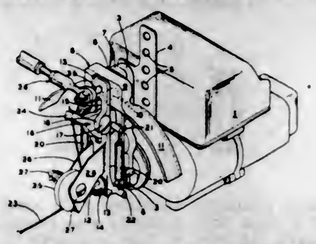
2,460,312
METHOD AND APPARATUS FOR LAPPING VALVES
George F. Scherer, San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 6, 1945, Serial No. 576,391
14 Claims. (Cl. 51—281)



4. The method of lapping the seating surfaces of valves which comprises first, assembling the valve closure member on its seat in the valve body, then heating the valve member and the body to approximately the working temperature

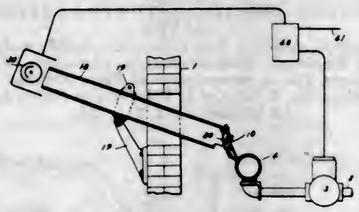
of the valve, and then introducing under pressure an abrasive lapping compound over the entire area of the seating surfaces while relatively moving said closure member and valve body to eliminate mechanical distortions thereof incident to assembly and heating of the valve parts.

2,460,313
CLUTCH DEVICE
Moulton B. Taylor, United States Navy
Application August 8, 1945, Serial No. 609,702
12 Claims. (Cl. 74—469)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



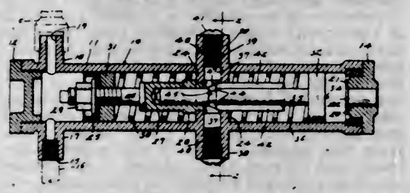
1. A clutch for servo-motors and the like having a shaft adapted to be rotatably driven thereby in opposite directions within the limits of an arc of predetermined length, a crank assembly fixedly mounted on said shaft for rotational movement therewith and extending radially of said shaft, a radial arm rotatably mounted on said crank assembly for rotational movement independently thereof about an axis disposed in coaxial relation with respect to the axis of said shaft, a latch member pivotally carried by said radial arm and arranged when pivoted in one direction to engage a slot in said crank assembly, and spring means directly connected to and normally tending to maintain said latch member free of engagement with said slot.

2,460,314
APPARATUS FOR SUPERVISING HEAT GENERATING MEANS
E. Craig Thomson, Boston, Mass., assignor to Combustion Control Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 15, 1944, Serial No. 526,637
5 Claims. (Cl. 158—117.1)



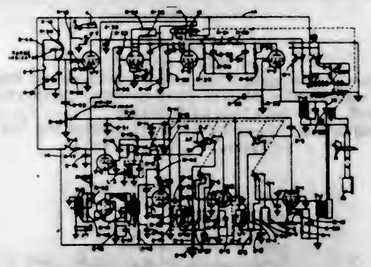
2. Apparatus for supervising a heat generating means, comprising said heat generating means which radiates light of a comparatively low intensity, a light responsive device arranged for supervising said heat generating means, and a body arranged to be heated by said heating means and adapted to radiate light of a comparatively high intensity when heated by said heating means, the said body comprising an incandescible member imbedded in a transparent heat conducting envelope located in said energy source.

2,460,315
TIRE PRESSURE ALARM
William Torrance, Calgary, Alberta, Canada
Application July 14, 1947, Serial No. 760,735
4 Claims. (Cl. 116—34)



1. A tire pressure alarm comprising a tubular body, a piston slidable in one end of said body, a tubular shaft carried by said piston and extending longitudinally of said body, said body formed at said one end with an air inlet opening for attachment to a tire, said shaft formed with a longitudinal slot therethrough at the end opposite from said piston, a spring-pressed retaining pin carried by said body radially thereof and extending through said slot, a second piston slidable in said body at the other end thereof, a rod on said second piston slidable in said tubular shaft, said rod formed with an annular recess in which said pin is engageable, means supporting a cartridge in said other end of said body, a firing pin on said second piston, spring means biasing said pistons toward their respective ends of said housing, and correlated cam means carried by said shaft and said retaining pin for disengaging said pin from said rod upon sliding of said shaft, whereupon said cartridge may be fired upon decrease of tire pressure.

2,460,316
ECHO RANGING AND LISTENING GEAR
Horace M. Trent and Thomas F. Jones, Alexandria, Va.
Application July 31, 1944, Serial No. 547,470
9 Claims. (Cl. 177—386)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



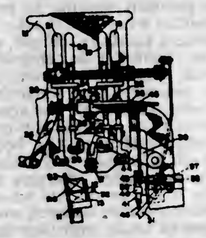
1. Means for measuring the distance to an object comprising a transducer, a tuned exciting circuit therefor, a plurality of electron tubes normally in a non-conducting state and connected in multiple to said transducer exciting circuit whereby flow of current through either tube will energize said exciting circuit, pulse control means alternately rendering said tubes conducting in rapid succession to produce a series of successive pulses, means determining the number of pulses in a group, means intermittently operating the pulse number-determining means, means varying the frequency of said intermittent operation, receiving means connected with the transducer for receiving echoes of said pulses, and means inhibiting reception of both incident and echo pulses during excitation of the transducer.

2,460,317
EYELASH CURLER
William R. Tuttle and William J. Beldue, Rochester, N. Y., assignors to The Kurlash Company, Inc., Rochester, N. Y., a corporation of New York
Application March 18, 1946, Serial No. 655,152
3 Claims. (Cl. 132—32)

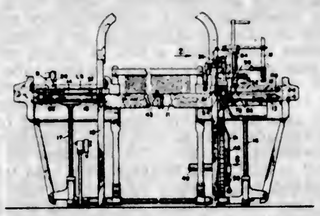
2. In an eyelash curling device, a stationary handle having a yoke portion, a fixed jaw mounted at the end of the yoke, a channel-shaped lever pivoted in the stationary handle, a movable handle pivoted in the stationary handle and between the walls of the lever, said movable handle being provided with a part fitting between the walls of the lever, said movable handle being capable of pivotal movement to enable it to be swung to a position within the yoke, and co-operating locking elements on the lever and the movable handle whereby the part of the movable handle which fits within the lever can be locked therein and the movable handle thus arranged to constitute a rigid extension of the lever, a movable jaw, and a connection between said movable jaw and the lever, the movable handle being capable of movement to its folded position within the yoke only when the movable jaw is located adjacent to the fixed jaw.

2,460,318
WEFT REPLENISHING PICK AND PICK LOOM
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1946, Serial No. 707,362
6 Claims. (Cl. 139—232)

1. In a weft replenishing pick and pick loom operating in a replenishing sequence of four successive picks and having a lay with a gang of shifting shuttle boxes at each end thereof, the lay having a weft detector thereon adjacent to one of said gangs to detect weft in a shuttle in said one gang during the first pick of the sequence and the loom having a reserve bobbin magazine adjacent to the other gang provided with a bobbin releaser which when reciprocated releases a reserve bobbin for transfer and is effective during the fourth pick of the sequence to set normally inactive transfer mechanism for subsequent operation by the lay to transfer the released bobbin into the shuttle when the latter is in said other gang, the lay during each pick of the four-pick sequence being successively in bottom, front, top and back center positions, said one gang moving the shuttle into detecting position relatively to the detector when the lay is in the top center position thereof during the first pick of the sequence and holding the shuttle in detecting position until after the third pick of the sequence starts, actuator means for the bobbin releaser, operating means for the actuator means giving the latter a succession of motions in each of two successive two-pick cycles, each succession of motions beginning when the lay is substantially in the bottom center position thereof at the beginning of the first and third picks of the sequence, said operating means causing the actuator means to move in one direction from its neutral position prior to arrival of the lay at the top center position thereof during the first and third picks of the sequence and return to neutral position, and then move in the opposite direction and return to neutral position, a controller normally in noncontrolling position with respect to the actuator, the detector indicating weft exhaustion as long as the shuttle is in detecting position, provided the shuttle is depleted of weft, and means effective to hold the controller in controlling position with respect to the actuator only so long as the detector indicates exhaustion, the controller and actuator means cooperating at the beginning of the second two-pick cycle when the actuator means moves in said one direction to initiate a reciprocation of the bobbin releaser which is completed during the fourth pick of the sequence to effect release of a bobbin from the magazine and setting of the transfer mechanism for operation by the lay.



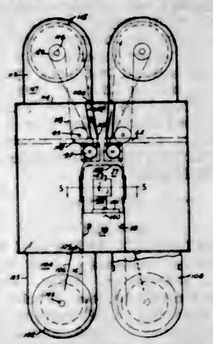
2,460,319
AUTOMATIC PICK AND PICK LOOM
Carl P. Bergstrom, Millbury, and Archibald J. Herard, Jr., Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1946, Serial No. 707,426
7 Claims. (Cl. 139—232)



1. In a weft replenishing pick and pick loom operating with shifting shuttle boxes at each end thereof and in which a shuttle moves to weft detecting position on one side of the loom at the beginning of a four-pick sequence and

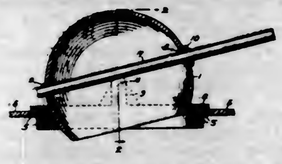
is in transfer position on the opposite side of the loom during the last pick of the sequence, the shuttle moving away from detecting position during the third pick of the sequence, a reserve bobbin magazine at said opposite side of the loom, bobbin release means on said magazine which when reciprocated releases a reserve bobbin for transfer into the shuttle when the latter is in transfer position, actuator means for the bobbin release means operating in a two-pick cycle, a controller for the actuator normally in non-controlling position but moved to controlling position if the shuttle when in detecting position indicates weft exhaustion, said controller if in controlling position tending to move to non-controlling position when the shuttle moves away from the detecting position thereof, a lock effective to hold the controller in controlling position upon movement thereof to controlling position, said controller when held in controlling position by said lock cooperating with the actuator means during the latter part of said four-pick sequence to effect a reciprocation of the bobbin release means to release a bobbin from the magazine, transfer means thereafter effective to move the released bobbin into the shuttle when the latter is in the transfer position thereof, and unlocking means operative to cause said lock to unlock the controller during the latter part of said four-pick sequence, whereupon the controller returns to non-controlling position.

2,460,320
MOTION-PICTURE COMBINATION
Carl Waldeyer, San Francisco, Calif.
Application September 11, 1944, Serial No. 553,629
18 Claims. (Cl. 88—16.6)



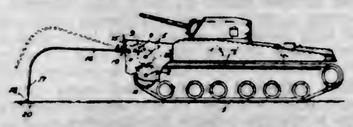
1. Means for photographing views on a plurality of alternately and intermittently moving films and means for actuating said films, the combination comprising a bed, a casing with a front orifice adapted to contain a lens tube with lens and shutter inserted therein, said shutter adapted to have a trigger attached thereto and releasing and interposing means adapted to admit and exclude light to said films, respectively; a reciprocating rod movably disposed on said front wall in operative contact with said trigger and extending to the top of said wall, a cam, with opposed lugs thereon fixed on a cross shaft located in bearings on top of said casing, the respective lugs on said cam caused to be in operative contact, alternately, with the said rod, the contact of the said rod with the said shutter trigger causing the said lens shutter to open for a predetermined exposure period for regulating the admission of light from objects in front of said lens tube to said casing; means, including actuating means for transversely deflecting light, alternately, to said respective films, said deflecting means adapted to be in axial alinement with said lens tube and said exposure-positioned films, and adapted to operate in synchronous accord with said films, respectively, and said respective releasing and interposing means and said reciprocating member comprising a prism or reflector mounted on a circular surface so as to be capable of oscillating about an axis; vertical channel guides on said respective side walls of said casing adapted for the threading of films through said device and adapted to exclude light from said films except at exposure openings respectively provided therein; focusing apertures in axial alinement with said exposure openings and adapted to be fitted with closures when not in use; whereby objects in front of said lens tube by cooperative agreement between the said films and the said film shutters and the said lens shutter and the said oscillating reflecting device are photographed on said films in alternate sequence, thereby adapting the images of the pictures on said films, after processing, to be alternately projected on a screen and the said films to be threaded in a suitable projection device.

2,460,321
APPARATUS FOR LAUNCHING ROCKETS FROM TURRETS
Brooks Walker, Piedmont, Calif.
Application November 12, 1942, Serial No. 465,814
7 Claims. (Cl. 89—1.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. The combination with a turret which is rotatable about a vertical axis, of a rocket tube passing through the turret at two openings, supported at both of said openings and longitudinally moveable therethrough with its muzzle and breech projecting outside of the turret through said openings.

2,460,322
MINE EXPLODER
Brooks Walker, Piedmont, Calif.
Application May 26, 1945, Serial No. 596,071
2 Claims. (Cl. 89—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



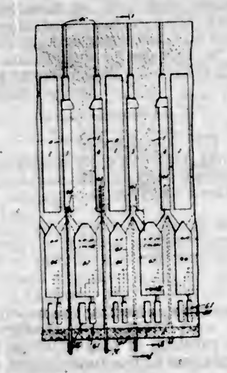
1. In combination with a vehicle having a driven tractive member at each side, mine exploder apparatus comprising a series of resilient tamping arms extending forwardly from the front of said vehicle and spaced transversely across the latter, each of said arms being pivotally supported at its rearward portion on a horizontal axis by said front of said vehicle for vertical pivotal movement, each of said arms having a forward portion bent downwardly at a substantial angle to the remainder of the respective arm, said forward portion terminating in a downwardly extending free end engageable in a lowered position with the ground and simultaneously yieldable rearwardly on forward progression of the vehicle, means to accelerate downward movement of said forward portion of each of said arms when released from an elevated position in said vertical pivotal movement, and mechanism operably providing said vertical pivotal movement of said arms, said mechanism including a rotatable cam engaging said rearward portion of each of said arms to alternately lift said forward portion thereof to said elevated position and release it therefrom, whereby upon said release said downwardly extending free end will impact the ground with mine detonating force, and operating means connecting said cam with said driven tractive member at each side of said vehicle.

2,460,323
MECHANICAL PENCIL
Charles E. Wehn, Alameda, Calif.
Application July 6, 1946, Serial No. 681,644
6 Claims. (Cl. 120—18)

1. In a pencil having a barrel section and a point section at its forward end with a lead-receiving passage formed therein, an anchor member secured in the rear end of the barrel, a nut within the barrel, a tubular extension on the nut extending through the anchor member and being rotatable therein, a threaded rod extending through the nut and into the tubular extension, cooperating means on said threaded rod and the barrel securing the threaded rod against rotation with relation to the barrel, a pusher rod forming an extension of the threaded rod and extending into the lead-receiving passage, and means fixed on the outer end of the tubular extension to rotate the tubular extension and the nut to advance or retract the threaded rod and the pusher rod.

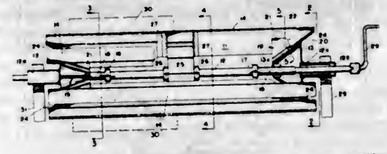
2,460,324
COMBINATION VERTICAL FLUED COKE-OVEN BATTERY ADAPTED TO COKE SWELLING COALS
Frans Wethly, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
Application March 28, 1945, Serial No. 585,236
7 Claims. (Cl. 202—143)

1. A coke oven battery adapted to coke low volatile coals comprising, in combination, a plurality of horizontal coking chambers, each pair of adjacent coking chambers being separated by a heating wall, each heating wall comprising a heat transmitting wall on each side of said heating wall, two rows of vertical flues and a massive refractory wall extending crosswise of the battery between said two rows of flues, said massive wall being devoid of openings and of a thickness at least four times the thickness of said heat transmitting wall, a plurality of regenerators located at a level beneath said coking chambers and heating walls and extending crosswise of said battery, alternate regenerators lengthwise of the battery being located directly beneath said coking chambers and the intervening regenerators being located directly beneath said massive walls,



said regenerators communicating directly with the bases of said vertical flues for supplying air to said flues to support combustion of fuel gas fed to said flues.

2,460,325
EXPANSIBLE MANDREL
Mercer L. Whitson, Norfolk, and Harry H. Harcum, Portsmouth, Va.
Application June 23, 1945, Serial No. 601,275
5 Claims. (Cl. 29—284)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

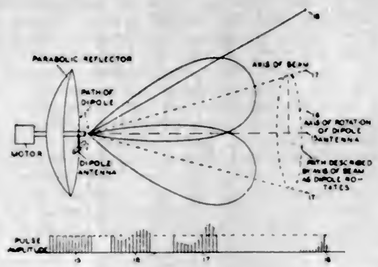


1. A work support comprising a plurality of radially movable members substantially defining an elongated cylinder, a shaft, means comprising a plurality of truncated cones interposed between said members and said shaft adapted to move axially along said shaft when said shaft is rotated relative to said members to insure radial movement of said members toward or away from said shaft, and guide means associated with said shaft comprising a spool associated with and adapted to be adjusted axially of said shaft for restricting movement of said members in a radial direction with respect to said shaft.

2,460,326
TRANSMITTER
Clarence M. Woodruff, Dayton, Ohio
Application February 17, 1945, Serial No. 578,422
3 Claims. (Cl. 343—100)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

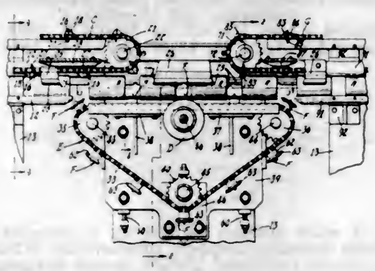
1. Testing means comprising, a transmitter, stationary electronic means in said transmitter selectively adjustable to produce a modulation wave having an intensity fluctuation reproducing the fluctuation of field intensity at a stationary point in the field of a lobe of radiation rotating

about a non-axial ray of the lobe, means amplitude-modulating a train of pulsed oscillations in accordance with the modulation wave, a rotating



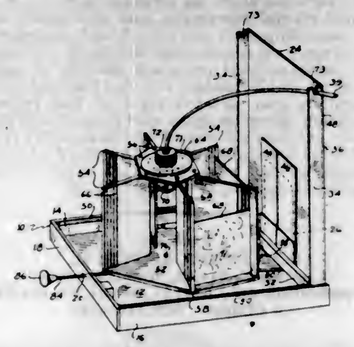
polarized antenna radiating the modulated pulsed oscillations, and means for synchronizing and phasing the rotation of said antenna with respect to the fluctuations of the modulation wave.

2,460,327
SOLDER WIPER MECHANISM WITH SHIELDING MEANS
Custis S. Woolford, South Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 7, 1947, Serial No. 759,420
6 Claims. (Cl. 113—97)



1. A solder wiping mechanism for soldering machines, comprising means for supporting in spaced relation moving open end can bodies having freshly soldered side seams with said seams exposed along a longitudinal line, a wiper located adjacent said supporting means for wiping said soldered side means, a feed-in conveyor for feeding said can bodies longitudinally into said supporting means, a discharge conveyor for discharging said can bodies longitudinally from said supporting means, a shielding conveyor longitudinally disposed between said feed-in conveyor and said discharge conveyor, a plurality of shielding paddles carried on said shielding conveyor and interposable between said spaced bodies as received from said feed-in conveyor and for propelling them along said support and past said wiper and for simultaneously completely shielding the open ends of the said passing bodies against the entrance of solder into their interiors, said paddles delivering the wiped bodies to said discharge conveyor, and means on said feed-in conveyor and on said discharge conveyor for temporarily increasing the space between adjacent bodies during their transfer from one conveyor to the other to provide for the entrance and withdrawal of a paddle between its associated bodies.

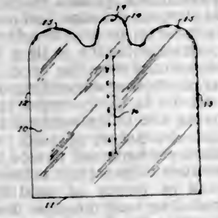
2,460,328
MINIATURE ROTATABLE STAGE OR EXHIBITING DEVICE
Graeme E. Young, Hollywood, Calif.
Application April 8, 1946, Serial No. 660,488
2 Claims. (Cl. 46—69)



1. A stage assembly including: a platform adapted for rotation, having upper and lower faces, a series of annularly disposed dependent lugs on said lower face, and a plurality of radially disposed display sections on said upper face; a base; a support for said platform slidably mounted on said base; a vertical shaft disposed between said support and said platform and adapted to support the latter for rotation; an actuating rod attached at one end to said support; guide elements disposed on said base on either side of said support to provide a guideway therefor; a front panel vertically mounted on said base and having a viewing aperture cut out therefrom; a wall adjacent said base and laterally spaced from the inner face of said front panel to define a channel therebetween; a pair of runners adapted to move toward and away from each other disposed in said channel; a vertical shutter carried by each runner, the two shutters being adapted jointly to close said viewing aperture when said runners are brought together in the channel adjacent said aperture; operative means connecting each runner with said slidable platform support whereby said runners are moved apart when said support is slid forward; and lever means operable by said sliding support and adapted to effect rotation of said platform by contact with said dependent lugs.

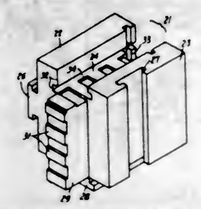
2,460,329
NURSING UNIT
Adda M. Allen, Arlington, Va., and Margaret L. Van Evera, Washington, D. C., assignors to Disposable Bottle Corp., Wilmington, Del., a corporation of Delaware
Application March 25, 1946, Serial No. 656,858
11 Claims. (Cl. 215—11)

1. A disposable nursing unit for feeding liquids to infants, said unit comprising a completely flexible container of sheet material, said container being flat before said liquids are placed therein, one edge of said container being open, the opposite edge of said container being of wavy contour forming a projecting nipple portion disposed between outwardly protruding curved shoulder portions, the shape of said nipple and



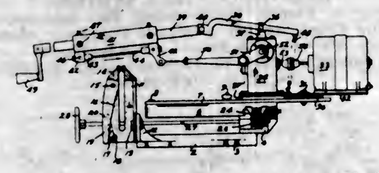
shoulder portions being such as to simulate a mother's nipple and breast during feeding.

2,460,330
BUILDING BLOCK
Frank P. Baccaro, San Francisco, Calif.
Application May 8, 1944, Serial No. 534,559
3 Claims. (Cl. 72—38)



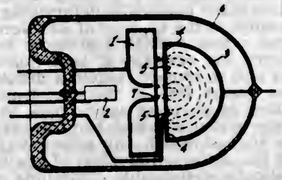
1. A building block comprising an essentially hexahedral body having tongues upon one of each pair of opposite sides and grooves upon the sides opposite said tongues, two of the tongues being T-shaped and the third having lugs spaced along the outer edge thereof, the grooves being complementary to the T-shaped tongues and two of the grooves having recesses in the backs thereof complementary to the lugs of the third tongue whereby the tongues of one block are interchangeably engageable with grooves of another block for locking the blocks against relative movement in at least two of the directions defined by their respective lengths, widths and heights, including the directions which are normal to the surfaces on which the T-shaped tongues are positioned.

2,460,331
SAW-FILING MACHINE
Elmar R. Beverleigh, Oakland, Calif., assignor to Albert W. Shaw, San Francisco, Calif.
Application December 4, 1945, Serial No. 632,703
4 Claims. (Cl. 76—33)



1. A saw filing machine comprising a bed plate, a carriage assembly slidably mounted on the bed plate and including a floor plate pivotally adjustable on the carriage about a vertical axis and a base plate mounted on the floor plate for limited free movement thereon about a vertical axis, means on the bed plate for holding a saw, an arm pivotally mounted on the base plate for free movement about a horizontal axis and extending transversely of the saw, a carrier for mounting a file slidably arranged on the arm, a shaft journaled on the base plate and connected to reciprocate the carrier, means for rotating the shaft, and means on the arm by which downward and lateral pressures of the file on the saw may be manually controlled during movement of the file carrier.

2,460,332
ELECTRON DISCHARGE DEVICE
Michael Bowman-Manifold, Ealing, London, England, assignor to Electric and Musical Industries Ltd.
Application May 29, 1944, Serial No. 537,856
In Great Britain March 29, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires March 29, 1961
4 Claims. (Cl. 250—27.5)



1. An electron discharge device including a cavity resonator having a passageway extending therethrough, and a gap surrounding said passageway, means adjacent said resonator for directing a stream of electrons through said passageway, and an electrode on the opposite side of said resonator and of concave form with the concavity facing the hollow resonator for providing reflecting equi-potential surfaces of concave form with the resonator, and an electrode positioned adjacent said resonator and having an aperture registering with the passageway through said resonator, said last electrode extending across the end of the reflecting electrode, and being adapted to be maintained at a potential intermediate that of the reflecting electrode and the resonator.

2,460,333
PREPARATION OF DEHYDROGENATION CATALYSTS
John George Mackay Bremner, Peter William Reynolds, and Arthur William Charles Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Original application June 18, 1941, Serial No. 398,680, now Patent No. 2,382,394, August 14, 1945. Divided and this application July 28, 1945, Serial No. 607,650. In Great Britain June 21, 1940
6 Claims. (Cl. 252—465)

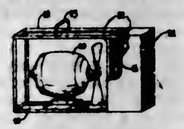
1. A process for the preparation of a dehydrogenation catalyst comprising adding to an aqueous solution containing an aluminium salt and a compound selected from the group consisting of: ammonium dichromate, ammonium chromate, chromium trioxide, a precipitant selected from the group consisting of: ammonia, ammonium bicarbonate, ammonium carbonate in an amount at least sufficient to give substantially complete precipitation of the aluminium, separating the resulting precipitate from the mother liquor, drying it in unwashed state at a temperature below 120° C., subjecting the dried product in

powdered form and in small portions to vigorous stirring and careful heating at about 120° C. in order to thermally decompose it, and then adding to the decomposed product from between 0.05% and 5%, based on its weight, of potassium chromate.

2,460,234
PROCESS OF MAKING BONDED STRUCTURES
Martin J. Buerger, Lincoln, and Edward Washken, Cambridge, Mass., assignors to Owens-Illinois Glass Company, a corporation of Ohio
No Drawing. Application March 27, 1946, Serial No. 657,628
8 Claims. (Cl. 18—59)

1. The process of forming a structure consisting of an inorganic non-metallic compound portion firmly bonded to a metallic portion, one portion being an insert in the other, which comprises pressing into intimate contact with each other a solid metal shape and a finely-divided non-metallic inorganic plastically deformable crystalline compound in the absence of additional binder material under sufficient pressure to plastically deform the crystals of said non-metallic compound and to impart thereto a density equal to at least about 75% of its true density, and then heating in an inert atmosphere to a temperature above that at which bonding takes place and below that at which any substantial crystal growth of the deformed crystals of the non-metallic plastically deformable crystalline material begins.

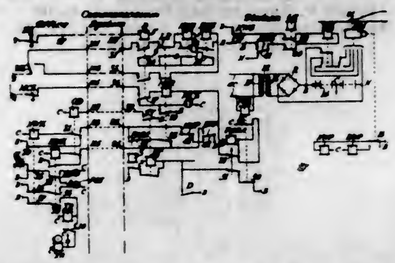
2,460,335
AIR PURIFYING DEVICE
William J. Buss, Norristown, Pa.
Application October 9, 1945, Serial No. 621,294
2 Claims. (Cl. 21—74)



1. An air purifying screen comprising a pair of inwardly facing vertical side frame members, a horizontal bottom pan secured to the lower ends of said side frame members, a horizontal top pan secured to the top ends of said side frame members, a vertical front brace member secured centrally between the front edges of said top and bottom pan, a vertical rear brace member secured centrally between the rear edges of said top and bottom pan, said vertical brace members being V-shaped in cross-section and facing inwardly, a plurality of sheets of wire mesh positioned between said vertical brace members and received within and perpendicular to the side frame members, and a filling of loosely packed deodorant material between adjacent sheets of wire mesh.

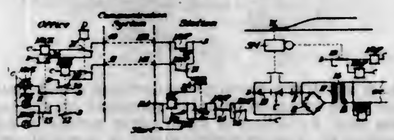
2,460,336
REMOTE-CONTROL SYSTEM
Ira F. Cadman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 20, 1946, Serial No. 649,072
5 Claims. (Cl. 246—3)

1. In a remote control system, an office and a station, a movable device at said station, a communication system linking said station with said office and providing two indication channels over each of which code elements of one character or another may be transmitted, means for controlling said channels by said movable device so that the code element transmitted over one channel has one character or another depending upon whether or not said device is in a first position and that transmitted over the other channel has one character or another depending upon whether or not said device is in a second position, indication means at the office controlled in accordance with the characters of said two code elements to indicate when said device is in its first or second positions or in transit between said positions, a source of power at said field station, means for operating said movable device between its said first and second positions by power derived from said source, said operating means being manually controllable over said communication system from said office, a power-off relay at said station connected with said source to reflect presence or absence of power, means controlled



by said power-off relay when reflecting absence of power for causing the code elements transmitted over said two indication channels to each have said one character, indication means at said office controlled in accordance with the character of said two elements to indicate the power-off condition, a stick relay at said station having a pick-up circuit manually controllable from said office and a stick circuit completed over either a front or a back contact of said power-off relay when said stick relay picks up, said stick circuit being interrupted momentarily to release said stick relay when said power-off relay changes its condition to reflect a change in condition of said source, and means effective when said stick relay is picked up for rendering ineffective the control by said power-off relay over the characters of said two elements, whereby not more than one of said two elements is caused to have said one character depending upon the position of said device.

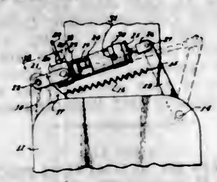
2,460,337
REMOTE-CONTROL SYSTEM
Henry S. Young, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application June 20, 1946, Serial No. 678,023
9 Claims. (Cl. 246—3)



1. In a remote control system, a first movable device having a first and a second and an intermediate position, a first relay picked up only

when said first device is in its said first position, a second relay picked up only when said first device is in its said second position, a third relay having a normal and an operated position, an office, a communication system linking said office with said relays and including two indication channels, indication means at said office controlled by said two channels for distinctively indicating the three positions of said first device and the operated position of said third relay, and means controlled by said first and second relays for controlling said indication channels to cause said indication means selectively to reflect the positions of said first device and additionally controlled by said third relay when and only when said first relay is picked up for controlling said indication channels to cause said indication means to indicate the position of said third relay as well as the position of said first device.

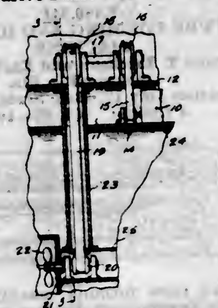
2,460,338
COMPRESSION RELIEF DEVICE FOR STARTING ENGINES
Chilo C. Castillo, Los Angeles, Calif.
Application April 22, 1947, Serial No. 743,022
6 Claims. (Cl. 123—182)



4. In a starting device for an internal combustion engine which includes a shiftable compression releasing arm and a movable starter operating member, a cylinder, means adapted to support the cylinder on an engine, a piston in the cylinder, means adapted to connect the piston to the compression releasing arm, a source of compressed air, a control valve, conduit means connecting the source of compressed air to the control valve, said conduit means including a check valve normally preventing flow from the source of compressed air to the control valve, means operable when the control valve is moved from "off" position to release said check valve to permit compressed air to pass to said control valve, means connecting said control valve to said cylinder, said control valve when in "on" position permitting flow from the source to the cylinder, means to bleed the cylinder to the atmosphere when the control valve is in the "off" position, a second cylinder adapted to be disposed adjacent to a starter operating member, a second piston in the second cylinder, said second piston being adapted to engage a starter operating member, conduit means to supply fluid to the second cylinder, means to connect the last mentioned conduit means to the first cylinder at a location to permit passage of compressed air to the last mentioned conduit when the first mentioned piston approaches the outer limit of its movement, and means adapted to normally urge the compression releasing arm to full compression position.

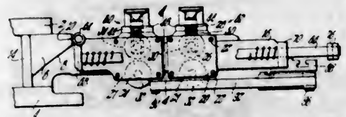
2,460,339
SHIP PROPULSION MEANS
Diamond Diamantides, Massillon, Ohio
Application March 28, 1945, Serial No. 585,323
1 Claim. (Cl. 115—34)

A ship of the class described comprising a stern having an upper deck, an engine-room located just below the upper deck, said ship having an intermediate compartment below the upper deck, and a lower deck below the intermediate compartment, a power plant located in the engine-room, a pulley driven by the power plant, a second pulley located above the first-mentioned pulley, a line shaft driven by the second pulley and located above the upper deck, a driving pulley carried by the line shaft and located above the upper deck, a propeller and drive shaft located directly below



the driving pulley, a pulley carried by the propeller shaft, the last-mentioned pulley and a portion of the shaft being enclosed within the ship below the lower deck, a belt passing over the driving pulley and the pulley carried by the propeller shaft, vertical encasing tubes enclosed within the ship and supporting the upper deck just below said engine room and resting on said lower deck, said belt passing through said tubes and being protected thereby, and a belt passing over the first and second pulleys for driving the line shaft.

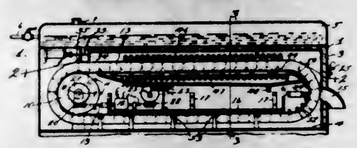
2,460,340
FEEDING MECHANISM
Hubert E. Dickerman, Springfield, Mass.
Application January 19, 1946, Serial No. 642,178
2 Claims. (Cl. 271—2.5)



1. Unitary strip feeding mechanism adapted for operation by the cam of a movable member of a die set comprising in combination, a base having longitudinal and transversely spaced side rails extending outwardly therefrom, an inner carriage and an outer carriage extending between and slidable in opposite directions on said rails, said inner carriage disposed adjacent said base and said outer carriage disposed outwardly of said inner carriage, spring means urging said inner carriage inwardly towards said base, said inner carriage provided with cam engaging means whereby it is moved outwardly against the action of said spring means by said cam, a transverse member fixed to outer ends of said side rails, a lever pivoted intermediate its ends to said member, a link having opposite ends pivoted to said outer carriage and to one end of said lever and a link having opposite ends pivoted to the inner carriage and an opposite end of said lever arranged whereby as the inner carriage moves towards and away from said base said outer carriage is moved away from and towards said inner carriage and base, spring pressed up-

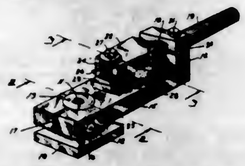
per and lower shafts in each said carriage, coacting strip engaging rolls on said shafts, and clutch means between each of said rolls and the shaft therefor permitting rotation of said rolls in one direction only and arranged whereby as the carriages are moved towards said base the rolls are held against rotation to grip a strip for feeding it inwardly.

2,460,341
ICE CUBE FORMING AND DISPENSING MACHINE
Vernon T. Erickson and Earl F. Davis, Jacksonville, Fla.
Application July 12, 1945, Serial No. 604,672
4 Claims. (Cl. 62—106)



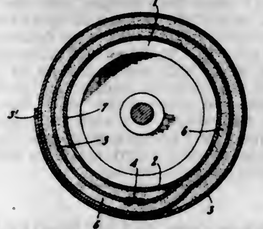
2. An ice cube forming machine comprising an endless flexible belt having water receiving pockets arranged in pairs therein, means for intermittently discharging water into the pockets, means for freezing the water in the upper flight of the belt as it is intermittently advanced, said means comprising a cooling coil transversely surrounding said flight of the belt, a drip pan beneath the upper flight of the belt, a roller carrying supporting frame carried by the drip pan and supporting the upper flight of the belt and rollers engaging the outer side of the lower side of the belt for preventing sagging of the belt.

2,460,342
TOOL POST AND TOOL FOR LATHES
Allen F. Feaster, Boulder, Colo.
Application July 9, 1945, Serial No. 603,762
2 Claims. (Cl. 82—36)



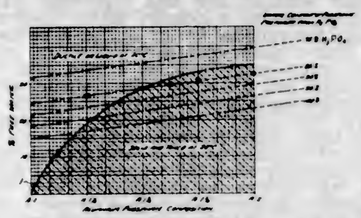
1. Means for adjustably supporting a cutting tool in a lathe tool post comprising: a metallic block; a vertical semi-cylindrical socket formed in the forward extremity of said block, said socket opening through said forward extremity and through the top of said block and having a closed bottom; a vertical, completely cylindrical, tool holding plug snugly and rotatably mounted in said socket; a tool receiving channel extending diametrically through said plug; a cutting tool in said channel; a set screw threaded axially downward into said tool holding plug into contact with said tool for locking the latter therein, said tool projecting forwardly from said plug through the open forward extremity of said block; an apron extending forwardly from said block and forming a bottom in said socket for supporting said plug; and oppositely acting set screws extending through the sides of said socket into contact with said plug for locking the latter in any desired rotative position.

2,460,343
PROTECTIVE ASSEMBLY FOR FLATWORK IRONER ROLLS
John W. Foster, Ridgewood, N. J., assignor to Tingue, Brown & Co., New York, N. Y., a corporation of New York
Application February 28, 1946, Serial No. 650,818
3 Claims. (Cl. 38—65)



2. In combination, an ironer roll, a binding strip attached to said roll, a covering strip having an end adjacent an end of said binding strip, said covering strip overlying said binding strip and extending at least once around the circumference of said roll, separable fastener means uniting said ends of said strips, and padding cooperating with said binder strip and said covering strip and extending at least once around the circumference of said roll with an end of said padding overlapping said fastening means.

2,460,344
PREPARATION OF ALUMINUM PHOSPHATES
Herbert H. Greger, Washington, D. C.
Application July 13, 1943, Serial No. 494,527
5 Claims. (Cl. 23—105)



1. A method of making water soluble aluminum phosphates up to di-aluminum phosphate solid at room temperatures comprising reacting relatively coarse aluminum hydrate with phosphoric acid in proportions to form $Al(H_2PO_4)_3$ and then reacting the $Al(H_2PO_4)_3$ with finely divided aluminum hydrate at a temperature of about 100° C. for several hours to form higher aluminum phosphates, and controlling the water content of the reactants and the reaction mass to form a solid water soluble compound having a water content ranging from zero for the 1:3 alumina to phosphate ratio to slightly over 25% for the 1½:3 alumina to phosphate ratio to about 35% for the 2:3 alumina to phosphate ratio.

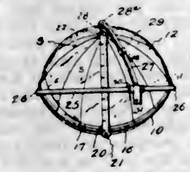
2,460,345
BALL POINT PEN
Francis E. Gruber, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application December 22, 1945, Serial No. 636,790
3 Claims. (Cl. 120—42.03)

1. A fountain pen comprising an ink unit formed of a hollow tube, a series of coils formed

in the body of said ink reservoir adapted to provide the main part of the reservoir, a tubular forward end projecting as a portion of said ink unit, a ball writing tip mounted in the forward end of said ink reservoir unit, a casing for enclosing said unit and adapted to support the same slid-

able therewithin, a rotatable cap for the rear of said casing, and a threaded core member operated by said cap to threadedly engage said ink unit to move the same longitudinally in said casing to conceal or expose said writing ball on the forward end of said ink reservoir unit.

2,460,346
STAR MATCHER AND SUN COMPASS
Frederick H. Hagner, San Antonio, Tex.
Application December 8, 1944, Serial No. 567,234
11 Claims. (Cl. 33—61)

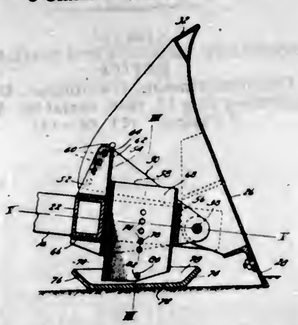


10. An instrument of the class described comprising, a time scale ring and a star calendar ring mounted in concentric and rotatable relation with respect to each other, a semi-spherical collapsible dome formed of a plurality of segments, each segment having an inner and an outer end, means connecting the inner ends of said segments, guiding means for the outer ends of said segments carried by the star calendar ring, the outer ends of said segments being adapted to spread apart radially as the dome is collapsed and thereby permit the dome to lie substantially flat relative to the support when the dome is in a collapsed position, and the dome being adapted to be extended to an approximate semi-spherical shape when in a set-up position.

2,460,347
PROTECTION OF FURNACES FROM SLAG
William E. Heller, Yeadon, Pa.
No Drawing. Application June 23, 1945, Serial No. 601,341
5 Claims. (Cl. 117—104)

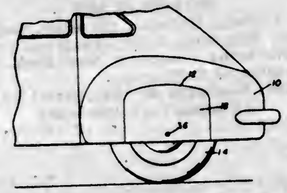
2. A method for protecting furnace combustion-zone surfaces against the deteriorating effects of slag depositions, consisting in projecting a stream of refractory chrome ore-calcium aluminate-ball clay mix on said surfaces under pneumatic pressure, said mix containing 80 to 95% chrome ore by weight, 2 to 5% calcium aluminate cement by weight and ball clay in an amount not greater than 10% by weight whereby said mix may be projected in dry form.

2,460,348
BLADE MOUNTING FOR GRADING MACHINES
Albert R. Henry, Salina, Kans., assignor to Henry Manufacturing Company, Inc., Topeka, Kans., a corporation of Kansas
Application November 27, 1944, Serial No. 565,260
5 Claims. (Cl. 37—144)



1. A scraper blade mounting comprising a pair of pusher arms joined together by a cross bar of rectangular cross section, a blade pivotally mounted on the front end of said pusher arms, a plate substantially the full vertical width of the blade extending rearwardly from said blade and having a series of holes concentric with the pivotal axis of said blade, an adjusting member provided at its rear edge with an open rectangular slot adapted to snugly engage said cross bar and secured at its front end to a pin in axial alignment with the pivot of said blade whereby it is carried in fixed relation to said arms and having a hole adapted to selectively register with the holes of said series, and means adapted to be extended through the registered holes to interconnect said plates with said adjusting member whereby to secure said blade at a predetermined angle relative to said push arms.

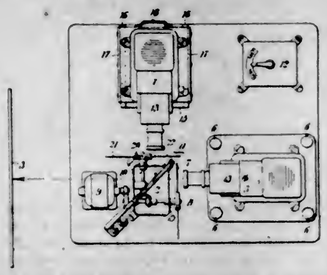
2,460,349
FENDER SKIRT
Reinhardt C. Hessler, Pontiac, Mich.
Application July 8, 1947, Serial No. 759,510
2 Claims. (Cl. 280—153)



1. A fender skirt comprising a closure, hinge means connecting the closure to the inner face of a fender, said hinge means including a first plate fixed to the inner surface of a fender, said first plate including a pair of spaced hook members having offset bite portions projecting inwardly of the inner face of a fender and including upper bearing faces and free extremities, the free extremities of said hook members being substantially coplanar with the inner face of a fender, and a second plate fixed to the inner face of the closure and movable with said closure, said second plate including an outwardly pro-

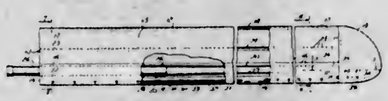
jecting reduced extension and a cross bar for engaging the bite portions of the hook members, the bearing faces of the bite portions limiting upward movement of the cross bar relative to hook members when the closure is in a closed position, and a pair of slidable locking bars carried by the closure for positioning behind a fender.

2,460,350
ALTERNATE PROJECTION COLLATING DEVICE
Charlton Hinman, Washington, D. C.
Application July 12, 1946, Serial No. 683,068
4 Claims. (Cl. 88—14)



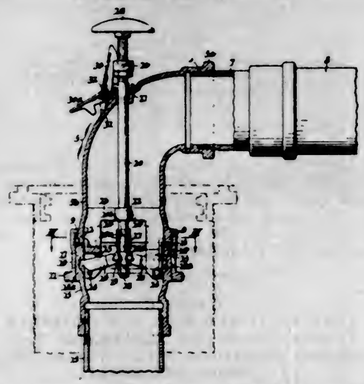
1. A collating device comprising a plurality of image projectors, a semi-transparent mirror positioned for passage of the image projected from one of said projectors through it and for reflecting the image from a second projector along a path and on a projection surface whereby exact superimposition of one of said images upon the other is attained, movable occulting elements constructed and arranged for alternately occulting the respective images, drive means for moving said occulting elements whereby said images are alternately viewable on said projection surface, and means for positioning said occulting elements in non-occulting positions with respect to each projection path thereby providing simultaneous projection for superimposition, whereby differences between the two images may be made apparent.

2,460,351
ROTOR BLADE
Francis Anthony Hoffman, Glendale, and Max B. Harlow, Pasadena, Calif., assignors to Rheem Manufacturing Company, New York, N. Y., a corporation of California
Application November 30, 1945, Serial No. 631,986
7 Claims. (Cl. 170—159)



1. A rotor blade for use in aircraft which comprises a hollow wing-like metallic member, a mounting element extending into the inner end of the member, supporting means in the member including a longitudinally extending sleeve encircling the mounting element and having outwardly projecting flanges arranged in pairs and secured to the walls of the member, and longitudinally adjustable weighting means mounted within and extending along the leading edge of the member for balancing the latter.

2,460,352
COUPLING FOR HOSES AND THE LIKE
James A. Jensen, Haverford, Pa., assignor to Philadelphia Valve Company, Philadelphia, Pa., a co-partnership
Application August 9, 1947, Serial No. 767,792
5 Claims. (Cl. 285—170)

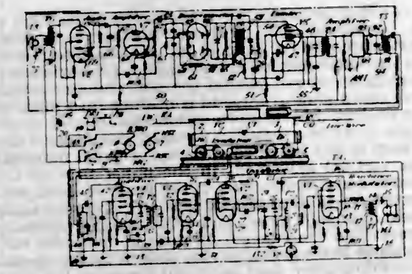


1. A coupling for a hose or the like comprising a hollow body; a rod constrained to endwise movement within the outlet end of the body; means externally of the body for manipulating the rod; a latch dog having a pivotal connection at one end with the rod and arranged for engagement of its free end behind a shoulder projection internally of a pipe or the like to which the hose is to be connected; means within the body to cooperate with the free end of the dog as and for the purpose set forth; spring means tending to urge the rod in a direction to withdraw the dog from beneath the shoulder projection; and retractable keeper means accessible at the exterior of the body and operative to lock the rod against movement in the direction aforesaid by the spring means with the dog engaged beneath said shoulder.

2,460,353
SHINGLE
Joseph L. Killingsworth, Des Moines, Iowa
Application May 9, 1946, Serial No. 668,519
5 Claims. (Cl. 108—7)

1. An interlocking shingle of substantially T shape cut without waste from a sheet of material of set width and providing double coverage at every point on a roof when laid comprising top, middle and bottom portions of substantially equal height, said bottom portion being of a narrower width than the middle and top portions, a locking tab extending from each side of the lower end of the bottom portion, said locking tabs having oblique top portions, said shingle being reduced in width between the top and bottom portions within the middle portion in a series of cuts, the cuts within the middle portions being vertical and oblique, one of the locking tabs with the oblique top portion of one shingle fitted under an oblique cut in the middle portion of another shingle when assembled on a roof, said oblique surfaces guiding the one shingle into place with respect to the other shingle until the edge of the lower portion of the shingle being assembled contacts the edge of the middle portion of the other shingle at the inner ends of the oblique cuts and the exposed area of the shingle when laid on a roof being within the middle and bottom portions of the shingle with the height of the exposed area being the height of the middle and bottom portions.

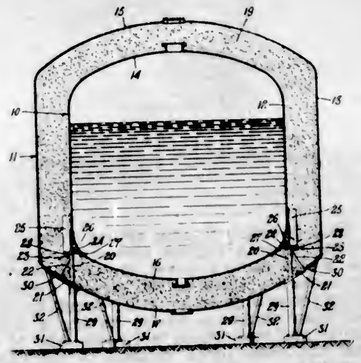
2,460,354
RAILWAY TRAIN COMMUNICATION SYSTEM
William L. Konrad, Pittsburgh, Paul N. Bossart, Cheswick, and Charles E. Leberknight, Emsworth, Pa., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 12, 1944, Serial No. 567,844
5 Claims. (Cl. 246—8)



1. In combination, a railway train vehicle having mounted thereon transmitting apparatus operable to supply a periodic current of a given frequency, a closed single turn secondary circuit on said vehicle connected to spaced pairs of wheels of the vehicle to include a portion of the track rails in the circuit and completed through capacitance to tune the circuit to the frequency of said periodic current, said secondary circuit being characterized by the impedance of the rails being a major part of the circuit impedance, and a primary circuit on the vehicle including an air core coil mounted within said secondary circuit for mutual inductance with said secondary circuit and connected to said transmitting apparatus to cause such periodic current to flow in the rails.

2,460,355
CONTAINER FOR LIQUEFIED GASES
Henry C. Kornemann, Kenmore, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Original application July 11, 1942, Serial No. 450,644. Divided and this application November 4, 1944, Serial No. 561,869
2 Claims. (Cl. 220—15)

1. Apparatus for the storage of liquefied gas at temperatures below 233° K. comprising a closed inner vessel for holding the liquefied gas, a completely closed gas-tight outer shell around the inner vessel and spaced therefrom to provide an insulating space; supporting members spaced outwardly from the center of the bottom of said inner vessel and extending upwardly from the bottom or floor of the outer shell, said supporting members being provided with smooth, flat horizontal upper bearing surfaces; supports for holding said outer shell in upright position, said supports being positioned under said supporting members; horizontal flat bearing surfaces on said inner vessel positioned to rest on said upper surfaces of said supporting members, the construction and arrangement of said supporting members and horizontal surfaces being such as to support the inner vessel in desired spaced relation to the outer shell; movement-restraining means associated with said bearing surfaces on said inner

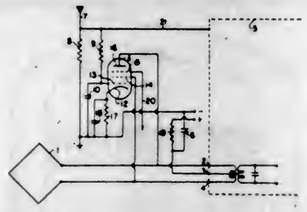


vessel and positioned to cooperate with said supporting members for substantially centering said inner vessel with respect to said outer vessel when said inner vessel has contracted a predetermined amount due to introduction of liquefied gas; and anti-friction means between the bearing surfaces of said inner vessel and the corresponding surfaces of said supporting members, said anti-friction means being of a character having adequate anti-friction properties at the temperature of said liquefied gas whereby said inner vessel may freely contract radially and be centered with respect to said outer shell.

2,460,356
PROCESS OF MAKING CERAMIC BODIES
Ekkehard L. Kreidl, Boston, and Joseph L. Utter, North Easton, Mass., assignors to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application April 30, 1947, Serial No. 745,996
14 Claims. (Cl. 49—79)

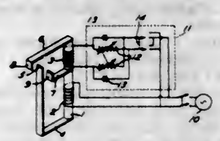
1. A process for forming strong molded ceramic products comprising the steps of compressing a mixture of finely divided inorganic refractory material and a finely divided glass to a pressure of at least about 5 tons per square inch, said refractory material having a fusing point above the melting point of the glass, firing the compressed mixture to a temperature above the softening point of the glass and below the fusing point of the refractory, to form a product having a porosity of between 0.5% and 25%, impregnating said product with a compound which is at least partially hydrolyzed and is in the form of an inorganic gel which will bond with glass on firing, and refiring the impregnated product to a temperature at least sufficient to melt the glass but below that which will fuse the refractory.

2,460,357
CIRCUIT ARRANGEMENT FOR COMPENSATING THE AERIAL EFFECT OF DIRECTIONAL ANTENNAE
Theodoor Willem La Riviere, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 1, 1946, Serial No. 666,249
In the Netherlands November 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 20, 1961
5 Claims. (Cl. 343—113)



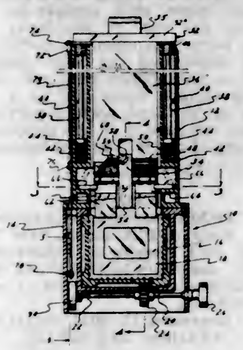
1. In a direction finding system having a directional antenna coupled across the input impedance of a radio receiver, an arrangement to compensate for aerial effect in said directional antenna comprising an amplifier circuit including an electron discharge device having a control electrode and two output electrodes, one of said output electrodes being coupled to one end of said impedance and the other output electrode being coupled to the other end of said impedance whereby the currents flowing at the two output electrodes are applied to the impedance in opposing senses, a non-directional antenna, a phase shifting network, means to impress signals derived from said non-directional antenna through said network onto said control electrode, and means to vary the current distribution between the two output electrodes.

2,460,358
SELF-STARTING SYNCHRONOUS HYSTERESIS MOTOR
Charles A. Packard, Welaka, Fla., assignor to Struthers-Dunn, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 4, 1947, Serial No. 720,171
15 Claims. (Cl. 172—278)



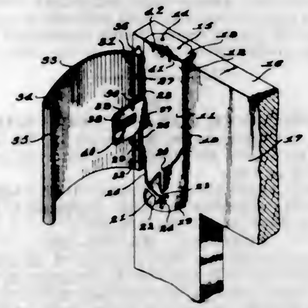
1. A single-phase self-starting synchronous motor comprising a field structure including a core member and a plurality of magnetic pole triads in circular array concentric with said core and having two poles of each triad extending from opposite ends of the core and on opposite sides of the third pole of the triad forming interdependent magnetic circuits, and means for effecting a substantially balanced three-phase distribution of flux between said poles comprising two separately energizable field coils disposed about said core respectively on opposite sides of the magnetic structure forming said third poles.

2,460,359
SLIDE PROJECTOR AND MAGAZINE THEREFOR
Herbert E. Page, Alhambra, Calif.
Application September 18, 1945, Serial No. 617,095
5 Claims. (Cl. 88—28)



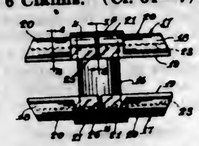
4. In a projector for transparent slides filed in a container, said projector having a housing structure with a passage for the slide container in the lower portion thereof and a projection system in an upper portion thereof, transfer means to raise a slide from said container into place to be projected by the projection system and to return it to the position in said container from which it was taken comprising: a panel mounted for vertical movement in the upper part of the housing across the path of the beam of light projected by said projection system; interengaging means on said panel and said housing normally preventing the panel from moving upwardly sufficiently to clear said beam; slide grasping means depending from said panel for grasping the slide to be projected when said panel is moved downwardly; and means actuated by a slide when held by said slide grasping means for releasing said interengaging means to permit the panel to be raised sufficiently to clear said beam.

2,460,360
WINDOW SHADE AND CURTAIN FIXTURE
Kenneth H. J. Paradis, Island Pond, Vt.
Application April 9, 1946, Serial No. 660,645
1 Claim. (Cl. 248—254)



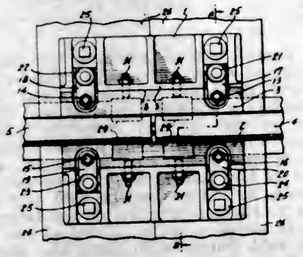
A window shade and curtain fixture comprising a substantially rectangular body member having a supporting flange on its upper end for positioning upon the upper edge of a window facing, spaced barrels formed on one edge of said body member, curtain supporting fixture members formed with supporting barrels adapted to be aligned with said first-mentioned spaced barrels, all of said barrels being substantially square in cross-section, a pin adapted to extend through said barrels, said fixture members being adapted to be supported for use either simultaneously or individually, and a shade and blind holder formed integrally upon the opposite edge of said body member.

2,460,361
SLIPPER BEARING
John A. Petho, Perkiomenville, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware
Application September 22, 1943, Serial No. 503,431
6 Claims. (Cl. 64—7)



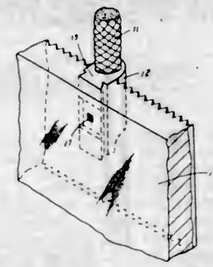
1. A slipper bearing composed of a cellulosic base impregnated with a heat-hardening resinous material, said bearing being chordally segmental in cross section and having a unitary flat flexible metal plate substantially co-extensive therewith embedded therein parallel to the flat face thereof, the bearing being transversely slotted to sever the same at opposite faces of said plate.

2,460,362
BRIDGE PLATE TYPE RAIL JOINT
Romualdo Premoli and Paul Corbat, Baden, Switzerland
Application August 26, 1947, Serial No. 770,690
In Switzerland August 27, 1946
3 Claims. (Cl. 238—205)



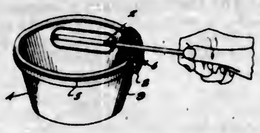
1. In a joint for connecting adjacent ends of rails of a railroad track, a bridge plate having an inside base surface spaced from the undersides of the rail ends to be joined and having an upright portion on either lateral side of said rail ends, the inner sides of said portions being inclined and upwardly sloping away from the lateral sides of the rail ends, an angle bar disposed alongside each lateral side of the rail ends and having three longitudinal face portions: one abutting the underside of the heads of the rail ends, one abutting the webs of the rail ends, and one abutting the inner side of one of said upright portions, hold down means connected with said bridge plate and bearing down individually on said angle bars, and wedge shaped members individually disposed between the underside of said angle bars and the upper surfaces of the feet of the rails.

2,460,363
CARRYING CORD CONNECTING MEANS
Russell E. Prentice, Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application January 26, 1946, Serial No. 643,809
3 Claims. (Cl. 224—5)



3. In combination, a camera case and carrying cord and connecting means for said cord and case which includes a lug having an opening in which a cord end is held, an indentation in the camera case formed as a slot for a dove-tailed projection and into which said lug may be inserted, a dovetailed projection on said lug engageable within said slot when the lug is assembled in the said indentation, and means to prevent displacement of the lug after insertion, said means including a depression in one face of the said lug and material from the said case caused to enter the depression after insertion of the lug.

2,460,364
MIXING BOWL GUARD
Layton S. Roesler, Claflin, Kans.
Application July 18, 1946, Serial No. 684,592
1 Claim. (Cl. 259—1)

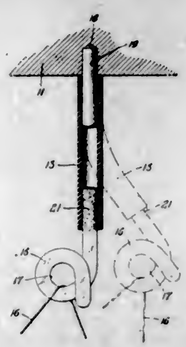


In combination with a mixing bowl, an inverted elongated U-shaped resilient guard therefor adapted to be clipped over the edge of said bowl for knocking the mixer paddle to remove excess batter therefrom, the legs of said guard being smooth on the inner surface and progressively thickening towards the outer free ends thereof and forming a central arcuate bowl edge engaging surface, and converging inner bowl side gripping surfaces.

2,460,365
PRODUCTION OF INSOLUBLE SULFUR
Alvin Schallis, Jersey City, N. J., assignor to Stauffer Chemical Company, a corporation of California
No Drawing. Application September 29, 1945, Serial No. 619,418
7 Claims. (Cl. 23—224)

1. A process for reducing the rate of reversion of that form of sulphur which is insoluble in carbon disulphide to that form which is soluble in carbon disulphide comprising incorporating, in preformed sulphur containing at least a third by weight of said insoluble sulphur, less than about 1% of a halogen on the weight of the sulphur.

2,460,366
SHOCK-RESISTANT FILAMENT GUIDE
Arthur K. Seemann, Manhasset, N. Y., assignor to The Linde Air Products Company, a corporation of Ohio
Application May 30, 1945, Serial No. 596,799
9 Claims. (Cl. 242—157)

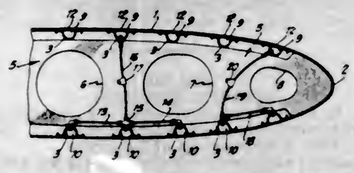


1. A filament guide comprising a support; a flexible coupler having one end secured to said support and an opposite end projecting therefrom, at least said opposite end being a sleeve; and a wear resistant filament guiding device having a portion fitting within said sleeve at said opposite end, said guiding device being freely movable with said coupler.

2,460,367
METHOD OF MAKING ABRASIVE ARTICLES
Donald B. Sharpe, North Tonawanda, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application September 20, 1945, Serial No. 617,676
4 Claims. (Cl. 51—293)

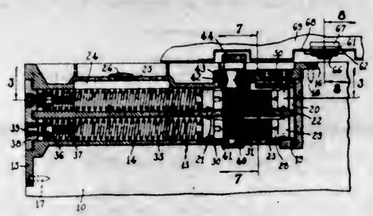
1. The method of making bonded abrasive articles which comprises milling a mass of rubber to plasticise it, adding to the plasticized mass granular abrasive and fibers in the form of a sheet material composed of abrasive grains, fibers and adhesive binder, continuing milling to break down said sheet material and uniformly blend it with the plasticized rubber, continuing the addition of the abrasive-fiber sheet material with further milling until the original rubber mass amounts to only about 5% of the total mass, removing the mixture from the mill and subjecting it to heat and pressure to form an abrasive article.

2,460,368
VENT CONSTRUCTION FOR AIRPLANE FUEL TANKS
Floyd E. Snow, Pasadena, Calif., assignor to Technical Coatings, Inc., Pasadena, Calif., a corporation of California
Application August 30, 1947, Serial No. 771,505
3 Claims. (Cl. 220—71)



1. In an airplane fuel tank; walls defining the tank structure; channel-like members secured on the interior of the walls for reinforcement and forming spaces between the walls and the members; at least some of the members being at the bottom wall; and means within the tank for venting the said spaces that are adjacent the bottom wall.

2,460,369
DOOR CHECK AND CLOSER
Rupert G. Stronach, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application April 18, 1945, Serial No. 589,016
9 Claims. (Cl. 16—56)

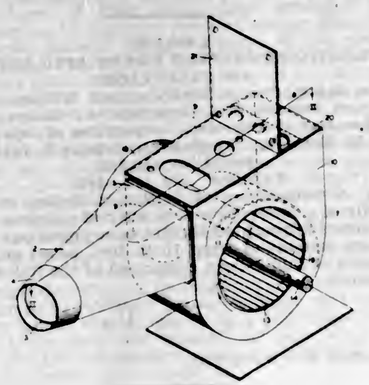


3. A door closer comprising an elongated casing having a pair of parallel cylinders therein, means providing communication between said cylinders, a plunger in each of said cylinders, the wall of one cylinder being provided with a passage to permit the fluid in said cylinders to by-pass around both of said plungers, an arm actuated by the door in its opening and closing movements, means connecting said arm to said plungers to effect movement of the latter when the arm is moved, a spring acting at one end on each of said plungers to urge the associated plunger in one direction, said springs extending lengthwise of the casing, a collar against which the other end of each spring reacts, and means extending through the end wall of the casing for adjusting said collars to adjust the tension of said springs.

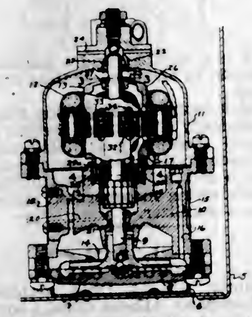
2,460,370
HOUSING FOR OIL BURNERS
Earl C. Stauffer, Lancaster, Pa.
Application October 24, 1946, Serial No. 705,468
4 Claims. (Cl. 230—133)

1. In an air supply system for a gun type fluid fuel burner, a tapered draft tube having a circular exhaust opening and a substantially rectilinear inlet opening, and a constricting plate disposed in the inlet opening, said plate having an

opening therein, the cross sectional area of which is greater than the cross sectional area of the exhaust opening and less than the cross sectional area of the inlet opening.



2,460,371
MOTOR COOLING MEANS
Alex N. Szwarguiski, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 31, 1947, Serial No. 738,485
2 Claims. (Cl. 172—36)



1. An armature for an electric motor comprising a shaft having core structure projecting laterally therefrom and windings received about said shaft and core structure, a hollow casing enclosing said windings and core structure and having peripheral openings into which the extremities of said core structure project, there being openings in the end wall of said casing adjacent said armature and open space in said peripheral openings adjacent said core extremities for creating a cooling flow of ambient fluid through said armature by centrifugal force upon rotation thereof.

2,460,372
MANUFACTURE OF ARTIFICIAL PROTEIN FILAMENTS
Robin H. K. Thomson, Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application August 21, 1944, Serial No. 550,487
In Great Britain October 20, 1943
12 Claims. (Cl. 18—54)

1. The process for obtaining an improved, crimped, protein filament, which comprises wet-stretching an insolubilized filament previously formed by wet-spinning a protein solution of the group consisting of vegetable globulin solutions and casein solutions, contacting the taut filament with formaldehyde, drying the taut filament at a temperature of at least 80° C., releasing the tension on the filament and thereafter contacting the filament in relaxed condition with boiling water.

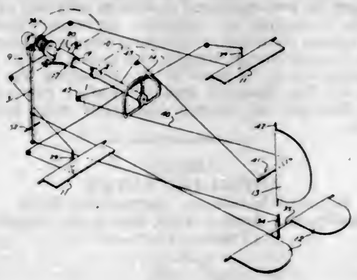
2,460,373
ANTIGLARE DEVICE
Bernard Waldman, Springfield, Mass.
Application April 1, 1947, Serial No. 738,688
1 Claim. (Cl. 2—14)

An anti-glare device adapted for shielding one eye only of the wearer comprising in combination, a head-band made from an elongated strip of a resilient material formed semi-circularly to extend upwardly at a side of the head of the wearer and inwardly and over the crown thereof adapted to yieldingly embrace the head, a shield formed from relatively thin and colored material to have integral side and forward eye portions disposed in relatively angular planes, said side portion having a relatively narrow rear end and upper and lower relatively diverging marginal edges extending forwardly from said rear end to a relatively wider forward end, a pivotal connection between said rear end of the side portion and an end of said band, said forward portion of the shield extending inwardly from the forward end of the side portion having an inner substantially vertical edge and having a width substantially equal to that of the outer end of the side portion, all adapted and arranged whereby with the head-band embracing the head of a wearer the side portion of the shield overlies a side of the head and extends forwardly towards the eye adjacent thereto and the forward eye portion is disposed in front of said eye while said shield may be swung up or down to adjust said forward eye portion relative to said eye.

2,460,374
AIRCRAFT FLIGHT CONTROL SYSTEM
Billy Walls, Colonie, Italy; C. M. Walls administrator of said Billy Walls, deceased
Application October 21, 1947, Serial No. 781,214
2 Claims. (Cl. 244—83)

1. A flight control system for an aircraft having ailerons, elevators and a rudder, said system

comprising a tubular sleeve, means securing said sleeve to the aircraft against movement relative thereto and in a substantially horizontal, fore and aft position, a tubular extension projection from the inner end of said sleeve, a pivotal connection securing said extension to the inner end of said sleeve for movement about a substantially vertical axis, a shaft slidable and rotatable in said extension, a hand wheel on the inner end of said shaft, a shaft slidable and rotatable in said sleeve and having a splined end portion remote from said tubular extension, a flexible connection between adjacent ends of said shafts extending past said pivotal connection between said sleeve and said extension, a drum journaled on the end of said sleeve opposite said extension and having an internally splined bore slidably receiving said



splined shaft for rotation thereof by said hand wheel, a cable wound on said drum and operatively connected with the ailerons of said aircraft, a vertical bar depending from the outer end of said splined shaft and pivotally secured adjacent its lower end to said aircraft for back and forward tilting movement upon movement of said hand wheel toward and away from said tubular extension, cables operatively connecting said bar to the elevators of said aircraft, and a pair of cables each connected at one end to said rudder and at its opposite end to said tubular extension intermediate the length of said extension to turn said rudder upon movement of said tubular extension by said hand wheel about the pivotal connection between said tubular extension and said sleeve.

2,460,375

GRANULAR OR POWDER EXPLOSIVES AND THEIR MANUFACTURE

John Whetstone, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application September 19, 1942, Serial No. 458,992. In Great Britain September 15, 1941

Section 1, Public Law 690, August 8, 1946
Patent expires September 15, 1961

9 Claims. (Cl. 52—21)

1. A process for the production of a detonating explosive suitable for commercial blasting purposes which comprises emulsifying a molten high explosive with the assistance of an emulsifying agent in a melt which comprises ammonium nitrate and at least one compound non-volatile at the temperature of the melt and adapted to lower the melting point of the ammonium nitrate, to give a resulting emulsion which congeals at a temperature above 46° C. and which is free from uncombined water, and congealing and granulating the resulting emulsion.

5. A process as claimed in claim 1 wherein the non-volatile compound adapted to lower the melting point of ammonium nitrate comprises a hydrated salt.

2,460,376

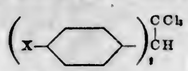
PLASTICIZED LOWER FATTY ACID ESTER OF CELLULOSE

Amerigo F. Caprio, Madison, and William Horback, Newark, N. J., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 2, 1945, Serial No. 619,892

7 Claims. (Cl. 106—182)

1. A composition of matter consisting essentially of a lower fatty acid ester of cellulose and having incorporated therein as a plasticizer and in an amount of from 10 to 30% based on the weight of said ester a compound of the following formula



wherein X is a halogen.

2,460,377

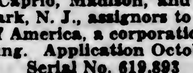
FILAMENTS OF PLASTICIZED LOWER FATTY ACID ESTERS OF CELLULOSE

Amerigo F. Caprio, Madison, and William Horback, Newark, N. J., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application October 2, 1945, Serial No. 619,893

4 Claims. (Cl. 106—186)

1. A textile material comprising filaments consisting essentially of a lower fatty acid ester of cellulose and having incorporated therein as a plasticizer and in an amount of from 2 to 50%, based on the weight of said ester a compound of the formula



wherein X is a halogen, and a stabilizer imparting resistance to chemical change under the action of heat.

4. A textile material comprising filaments consisting essentially of cellulose acetate and having incorporated therein as a plasticizer dichlorodiphenyl-trichlorethane in an amount of from 2 to 50%, based on the weight of the cellulose acetate and having incorporated therein dicyandiamide as a stabilizer.

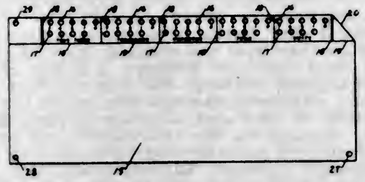
2,460,378

RECORD CARD

Roger Connor, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation

Application April 24, 1944, Serial No. 532,525

2 Claims. (Cl. 129—16.1)



1. As an article of manufacture a card of the character described having formed therein

similar fields of perforations relative to one edge of the card, each field of perforations comprising an outer row of five perforations arranged adjacent and parallel to the edge of the card and an inner row of four perforations arranged in parallelism to the outer row at a spaced distance inwardly thereof, the perforations of the inner row being aligned with the four perforations at the left hand end of the outer row in a direction perpendicular to the adjacent card edge, the perforations of the rows being identified on the card by the numerals —0—1—2—4— and —7— commencing with the perforation at the right hand end of the outer row whereby the digits —0—1—2—4— and —7— will each identify a single classification by notching the perforation "0" to the card edge and by notching the perforations of both rows identified with each numeral —1—2—4— and —7— to the card edge, and the digits —3—5—6—8— and —9— will each identify a single classification by notching two perforations of the outer row only whose combined numerical value equals that of the selected digit classification to the card edge whereby the cards when so notched may be selectively sorted for digits "0" to "9" inclusive with a single sort.

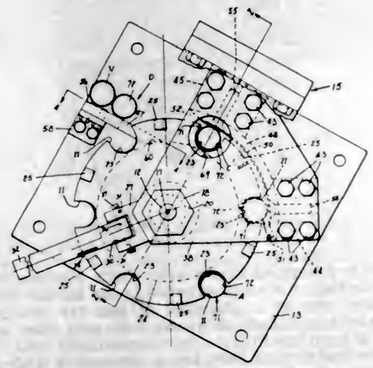
2,460,379

ARTICLE HANDLING APPARATUS

Sidney A. Corren, New York, N. Y., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y., a corporation of New York

Application January 13, 1944, Serial No. 518,090

8 Claims. (Cl. 29—283)



1. In an article handling apparatus, a carrier provided with a U-shaped recess formed in one edge thereof, and also provided with a groove extending along that edge, said carrier having fins thereon projecting into said recess, means for moving the carrier to move the recess along a predetermined path, a cam having ribs formed thereon extending along a portion of said edge with one end thereof closer to said edge than its other end for wedging an article carried in the recess between the ribs and the fins as the article is moved to a point opposite the cam, and a finger extending into the groove for engaging and withdrawing the article from the recess as it is moved beyond the cam.

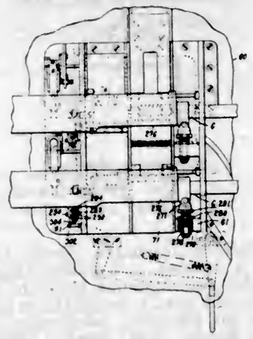
2,460,380

GUN MOUNT

David Edgar, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application October 30, 1945, Serial No. 625,528

2 Claims. (Cl. 89—37)



1. In a gun mounting means for connecting a gun to a support, a block rotatable about pivots on the gun, a link pivoted on the block, a member rotatable upon the link about an axis at right angles to said block pivots and pivoted to the support about an axis parallel to said block pivots, and means for moving said member longitudinally of its pivotal connection to the support to adjust the position of the gun.

2,460,381

MULTIPLIER UNIT AND SUPPORTING MEANS

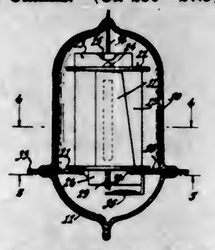
Stanley V. Forgue, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application February 7, 1946, Serial No. 646,075

6 Claims. (Cl. 250—175)

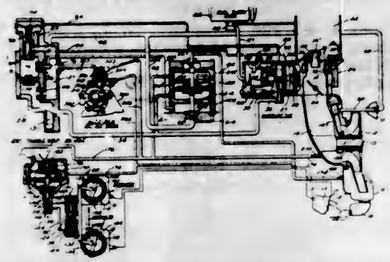
5. A multiplier unit for television transmitter tubes comprising a metal wheel having a peripheral member, a hub with a bore and spokes connecting said hub and member together, a fine mesh metal screen having an opening adjacent said bore, a ring pressing said screen against said peripheral member, and a bushing in said bore pressing said screen against the hub to hold said wheel and screen together.

2,460,382
MOUNT FOR ELECTRON DISCHARGE DEVICES
Oliver H. Fulton, Jr., Montclair, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 4, 1946, Serial No. 714,071
7 Claims. (Cl. 250—27.5)



1. An electron discharge device having an anode and a cathode, said anode having a surface for receiving impinging electrons from said cathode whereby heat is generated in said anode, and means for efficiently conducting said heat from said anode, said means comprising a progressively increased lateral extension of said anode from one end thereof to the other whereby one end of said anode is wider than the other end thereof, and a lead-in connected to said anode at said wider end thereof.

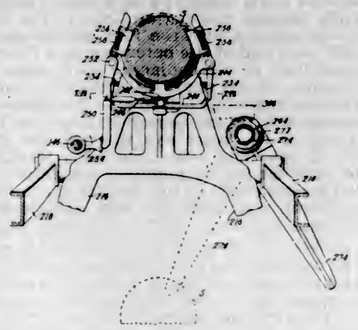
2,460,383
FUEL AND IGNITION CONTROL
Frank J. Hahn, Kansas City, Mo., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application June 25, 1945, Serial No. 601,439
5 Claims. (Cl. 123—117)



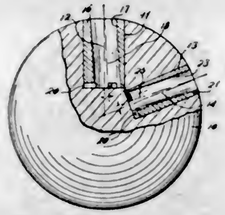
1. In combination with an internal combustion engine having a supercharger, a fuel-air ratio control including an intake airflow measuring device, an ignition timing control including a supercharger pressure rise actuated device, a pair of fuel metering jets connected in series, and means connected with said intake airflow measuring device and with said supercharger rise actuated device for controlling the flow of fuel through at least one of said jets.

2,460,384
GUN-LOADING MECHANISM
Otto R. Haas, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 25, 1944, Serial No. 537,267
13 Claims. (Cl. 89—33)

11. Gun-loading mechanism comprising a shell magazine, a transfer tray for transporting shells from the magazine into ramming position, said transfer tray being provided with a pair of doors arranged for engagement with opposite sides of a shell, means urging said doors into shell-engaging positions, and means for locking said doors in shell-engaging position after a shell has been received by the tray and prior to movement of the tray to carry the shell into ramming position.



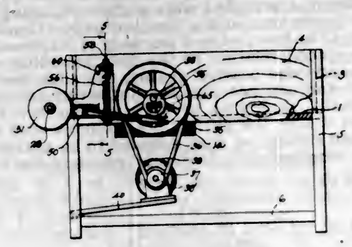
2,460,385
BOWLING BALL THUMB OR FINGER GRIPPING MEANS
Herbert H. Hausman, Lakewood, Ohio
Application February 21, 1948, Serial No. 10,030
2 Claims. (Cl. 273—63)



1. A thumb or finger grip for a bowling ball, consisting of a plug adapted to be tightly fitted in any one of a plurality of angular relations within a hole formed in the ball, said plug having a bore inclined to its longitudinal axis, the outer end of said bore being concentric with the outer end of the plug.

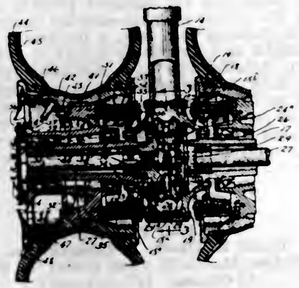
2,460,386
FEED MECHANISM FOR STONE CUTTING MACHINES
Karl J. Hillquist, Seattle, Wash.
Application March 7, 1947, Serial No. 733,089
5 Claims. (Cl. 125—13)

1. In a stone sawing machine, a saw driving shaft, a feed screw for advancing a stone against the saw, a cam rotatable with the saw shaft, a lever arm mounted for oscillation and adapted to be freely actuated to one of its limits of oscillation by said cam with each rotation thereof and a spring means acting against the lever arm to urge it toward its other limit as the cam recedes therefrom, and a one-way clutch mechanism operatively connecting the lever arm and feed screw for the rotatable advancement of the screw



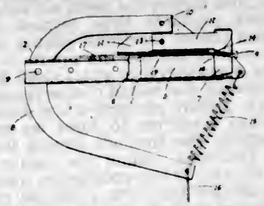
only in accordance with the extent of return movements of the lever arm by said spring.

2,460,387
LANDING GEAR
Willson H. Hunter, Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application December 3, 1943, Serial No. 512,720
3 Claims. (Cl. 244—50)



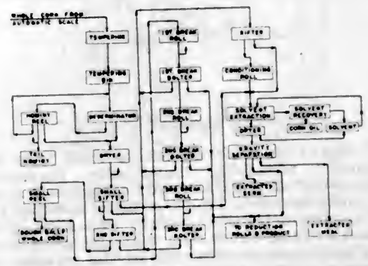
2. An aircraft dual wheel landing gear comprising a pair of landing wheels in close side-by-side relation and including axially aligned hubs, a supporting strut structure extending generally vertically between said wheels in the landing position, a housing at the lower end of the strut structure between said wheels and a pair of supporting tubular members united with and projecting laterally from said housing and constituting with said strut structure and housing a T-shaped support, said hubs being positioned in telescopic relation on said tubular members and terminating at their inner ends short of said housing providing spaces between the hubs and housing, rolling-contact bearings between each hub and tubular member at spaced-apart positions along the member, driving means in said housing and extending through said tubular members to the outer ends thereof, over-running clutch means at said outer ends for free-wheeling connection of said driving means with the respective wheel, and brake structures individual to said wheels and disposed in said spaces between said housing and said hub, each brake structure comprising brake elements one of which is mounted on said housing and the other brake element is mounted on the adjacent hub at said inner end thereof.

2,460,388
SAW SET
Albert M. Lezanski, Sacramento, Calif.
Application February 17, 1947, Serial No. 729,046
4 Claims. (Cl. 76—65)



1. A saw set comprising an open ended upwardly opening horizontal channel, means adapted to support the channel, a bar-like anvil engaged in the channel the surface of the anvil projecting just above the top edges of the sides of the channel, an upwardly exposed chamfered face on one side of the anvil at one end thereof, a vertically movable striker mounted above said anvil face in cooperating relation, hold-down means adapted to engage a saw from above and hold the same against the projecting top surfaces of the anvil with one tooth of the saw directly above said chamfered face and below the striker, and saw tooth locating means associated with the channel.

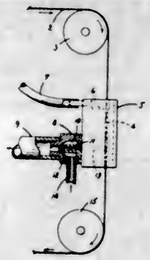
2,460,389
SOLVENT EXTRACTION AS STEP IN MILLING PROCESS
William R. Lloyd and Glen H. Schafer, Chicago, Ill., assignors, by mesne assignments, to Charles A. Krause, Jr., Milwaukee, Wis.
Application March 29, 1945, Serial No. 585,546
5 Claims. (Cl. 99—80)



1. The process of milling corn which comprises tempering corn kernels in a humid atmosphere, mechanically tearing the tempered kernels to loosen the germ from the endosperm, coarse screening the torn kernels to form a first side stream composed of the larger pieces of endosperm, germ, and whole corn kernels and a through stream composed of germ and finer particles of endosperm, reeling the first side stream to separate fine, medium and coarse fractions, returning the coarse fraction for further mechanical tearing, combining the fine fraction with the through stream, recovering a grit product from the medium fraction, drying the through stream, sifting the dried through stream to form a second side stream composed of the coarser particles, a sifted through stream composed of the medium particles, and a solvent extraction stream composed of the fine particles,

further sifting the second side stream into coarse and fines fractions, combining the fines fraction with the sifted through stream, reeling the coarse fraction to separate doughballs therefrom, rolling the reeled coarse fraction to further crack the endosperm and flatten the germ particles, bolting the cracked products thus formed into fine, medium and coarse fractions, rolling the bolted medium fraction, bolting the products from the last rolling operation into coarse and fines fractions, combining the bolted coarse fractions with the through stream, recovering the fines from all of the bolted fractions to form an endosperm product, sifting the through stream into coarse and fines fractions, rolling the coarse fraction to reduce the size of the endosperm particles and to further flatten the germ particles, combining the conditioned product and the sifted fines fractions with the solvent extraction stream, solvent extracting the oil from the concentrated mixture of germ and endosperm in said solvent extraction stream, separating corn oil from the solvent, drying the extracted solids, and gravity separating the dried extracted solids into an extracted meal fraction, an endosperm fraction, and a germ fraction.

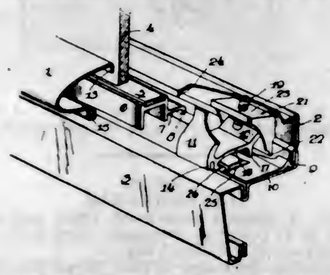
2,460,390
MEANS FOR REMOVING EXCESS LIQUID FROM FILAMENTARY MATERIAL
Henry J. McDermott, Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 7, 1945, Serial No. 581,475
10 Claims. (Cl. 91—18)



5. Means for removing excess liquid from continuously advancing liquid-laden filamentary material of indefinite length comprising a substantially enclosed thread-treating member having a thread-bearing surface extending therethrough along which the material advances, a bore extending transversely of the member and communicating with the thread-bearing surface, and suction means for continuously drawing air through the transverse bore and withdrawing the air and excess liquid removed from the material advancing along the thread-bearing surface thereby to the exterior of the thread-treating member.

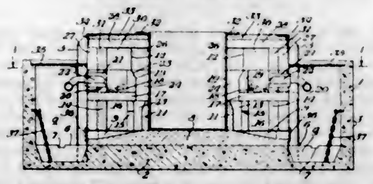
2,460,391
GLASS SETTING DEVICE
James T. Miller, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application June 22, 1944, Serial No. 541,595
2 Claims. (Cl. 20—56.4)

1. A glass setting device for a window, store front and the like having an encompassing frame, comprising a gutter member provided with a glass engaging lip at its upper edge and a base having a longitudinally extending recess and spaced embossed loops, a face moulding adjustably and removably mounted with respect to the gutter member and provided with a glass engaging lip at its upper edge and a longitudinally extending groove at its lower edge, a plurality of lugs mounted in spaced relation in the face moulding and having an edge bearing against the glass engaging lip and another edge seating within the longitudinally extending groove, resilient brackets located within the gutter in alignment with the lugs and having an edge adapted to be anchored in the longitudinally extending recess in the base



and an edge bearing against the glass engaging lip of the gutter, a rearwardly extending leg on each of said lugs, each provided with a downwardly extending rib adapted to seat upon the base of the gutter member and an upwardly and inwardly inclined cam face, a projection on each lug adapted to be received within a loop in the base for holding the face moulding down into contact with an encompassing frame, and a screw carried by each resilient bracket and adjustable from the rear of the glass having its end seating against the cam face on the lugs for drawing the lugs and face moulding into glass holding position.

2,460,392
KETTLE FURNACE
Oscar R. Olson, Pittsburgh, Pa.
Application March 22, 1946, Serial No. 656,319
10 Claims. (Cl. 263—11)



5. In a kettle furnace the combination of a mat having a flat continuous surface, an open top tank supported on the mat, furnace end walls covering the end of the tank, a relatively low barrier wall on the mat along each side of the tank for boxing in the bottom thereof, furnace side walls connecting the end walls and spaced outwardly from the barrier walls, a row of fuel burners in each furnace side wall, a series of spaced piers extending laterally from each barrier wall but stopping short from their respective furnace side wall to provide a longitudinal flue space, a slab supported by the outer ends of the piers and the furnace side walls below the burners to form a ceiling for the flues and a fuel bed floor for the burners, an upwardly projecting bridge wall along the inner edge of the slabs and spaced

from the tank to shield it from the fire beds and to provide a downtake to the outlets between the piers to the flues, a roof supported above the bridge walls to provide combustion chambers connecting the fire beds with the downtake, a stack adjacent one end of the furnace, means connecting the ends of the flues to said stack, and means between adjacent piers to restrict the outlets progressively toward the stack end of the furnace.

2,460,393
VULCANIZATION OF RUBBER
Philip T. Paul, Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 23, 1945, Serial No. 601,313
14 Claims. (Cl. 260—79.5)

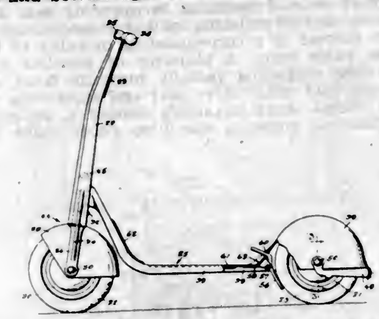
1. A method of vulcanizing a sulfur-vulcanizable rubber which comprises incorporating therein sulfur, a small amount of a primary organic rubber-vulcanization accelerator, and an activator having the general formula Aryl—S—NH—R where aryl represents a carbocyclic ring having a nuclear carbon atom directly bonded to the S, and which nucleus is further substituted by a group more electro-negative than hydrogen selected from the class consisting of halogen, nitro, acyl, carboxyl, carboxy ester, sulfonamide, and acylamide, and R is a member selected from the group consisting of aliphatic and aromatic hydrocarbon groups.

2,460,394
FENDER PROTECTOR
Erin B. Peatross, Washington, D. C.
Application January 13, 1947, Serial No. 721,835
1 Claim. (Cl. 280—150)

In combination, motor vehicle having an engine compartment, a fender extending outwardly from said engine compartment, a spring roller, roller supporting brackets fixed on said fender and extending inwardly of said engine compartment, an engine compartment hood for enclosing said roller and said roller supporting brackets, and a flexible fender covering member engaging about said roller whereby said fender covering member may be pulled outwardly for covering the fender in the raised position of said hood.

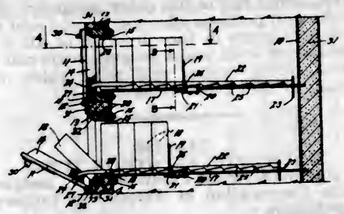
2,460,395
CHILD'S SCOOTER
George A. Reid, Seattle, Wash., assignor to Northwest Metal Products, Inc., Seattle, Wash., a corporation of Washington
Application April 27, 1946, Serial No. 665,573
11 Claims. (Cl. 280—87.04)

9. In a child's scooter employing a frame-piece and a fork, the mounting by which the front end of the frame-piece is suspended from the fork and which comprises vertically spaced cross-bars fixedly associated with the fork and providing vertically aligned apertures, a bushing carried by the front end of the frame-piece to occupy a vertical position, said bushing being formed at each of its two ends with enlarged heads and having the reduced neck between said heads caught by the frame-piece while the enlarged heads bear top and bottom against the frame-piece to im-



movably secure the bushing to the frame-piece, said bushing being adapted to be inserted between the cross-bars with its bore in alignment with the aligned apertures of the latter, and a swivel-pin arranged to be dropped through said aligned bore and apertures.

2,460,396
FROZEN FOOD DISPENSER
Milton Rifkin, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation, a corporation of Illinois
Application August 9, 1944, Serial No. 548,698
7 Claims. (Cl. 312—36)

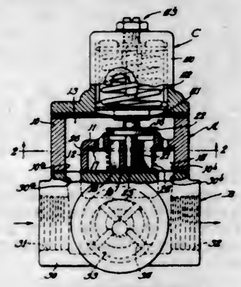


1. A dispensing device for frozen foods and the like comprising; an insulated cabinet; an opening in a wall of said cabinet; hinge means adjacent said opening; a door supported by said hinge means and closing the outer portion of said opening; a flexible sealing gasket completely surrounding said opening and projecting into the latter to restrict the size of the opening; rigid package supporting means extending into the cabinet from the opening and supporting a row of packages in alignment with said opening; and means operable by said door for sliding the row of packages forwardly along said supporting means into the embrace of said gasket.

2,460,397
PUMP, BY-PASS VALVE ASSEMBLY
Jay M. Roth, Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 22, 1944, Serial No. 546,100
3 Claims. (Cl. 277—61)

1. In a relief and by-pass valve assembly for a rotary-type fluid pump, said assembly comprising

a housing having a partition dividing the interior thereof into a first chamber and a second chamber, a generally centrally disposed orifice in said partition terminating on the first chamber side in a relief valve seat, a plurality of smaller orifices in said partition surrounding said first orifice and terminating on the second chamber side thereof in a corresponding plurality of by-pass valve seats, a plurality of web-like wall portions extending radially inwardly from adjacent said relief valve seat and supporting on the radial inner terminals thereof a generally cylindrical guide, a disc-type relief valve for

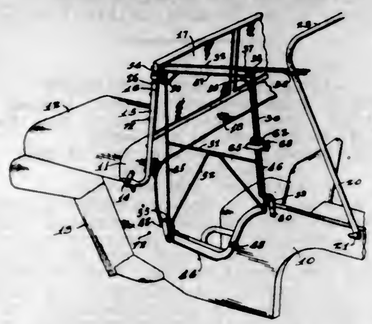


cooperation with said relief valve seat and having a coaxially extending cylindrical guide stem for cooperation with said guide, a single flat washer-like valve guidably embracing the outer radial extremity of said web-like walls and cooperating with all of said by-pass valve seats, a single coil compression spring embraceably and guidably received about the radial outer periphery of said web-like wall portions effective to urge said single washer-like valve in the direction of all of said by-pass valve seats and a second single coil compression spring urging said relief valve in the direction of said relief valve seat.

2,460,398
MOUNT FOR ELECTRON TUBES
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 11, 1947, Serial No. 721,503
20 Claims. (Cl. 250—27.5)

18. An electron discharge device having an electrode mount, an electrode assembly in said mount, a pair of insulating spacers defining extremities of said electrode assembly, at least one heat radiator supported axially of the mount, and a pair of insulating spacers for said radiator, one of said insulating spacers being common to said electrode assembly and said radiator.

2,460,399
VEHICLE CLOSURE
Norman A. Schassberger, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware
Application April 11, 1945, Serial No. 587,771
5 Claims. (Cl. 296—44)

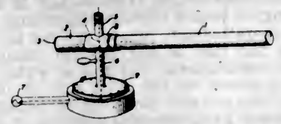


1. In combination; a vehicle body having a windshield frame; a vertical strut secured to the body; a substantially horizontal top rail disposed between said strut and the windshield frame; hinge sockets secured to said body and windshield frame; a removable door including a skeleton metallic frame; a plurality of hinge pins welded to the metallic door frame and adapted to be received in said hinge sockets; a flexible fabric covering secured to said door frame, and latch means pivotally secured to said strut for retaining said door in closed position.

2,460,400
METHODS FOR THE TREATMENT OF REGENERATED CELLULOSE THREAD
Carl Schlatter, Wilmington, Del., and Carl V. Holmberg, Crossett, Ark., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1944, Serial No. 544,824
4 Claims. (Cl. 117—139.5)

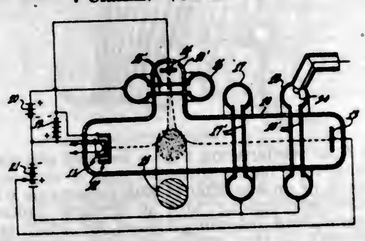
1. In the method of manufacturing artificial filaments of regenerated cellulose from viscose comprising spinning the filament-forming material into an aqueous coagulating medium and subjecting the filaments to aqueous after-treatment, including final washing, the step of continuously over a predetermined interval of time treating the filaments while still wet from the washing step and before any prior drying thereof, with a solution comprising a volatile hydrophobic hydrocarbon solvent and from about 1 to 10% of an organic compound capable of withdrawing water from the filamentary material and blending the withdrawn water with the hydrocarbon solvent into a substantially single phase system, said organic compound being soluble in the hydrocarbon solvent, containing at least one hydrophobic group and at least one hydrophilic group, and comprising a substance selected from the group consisting of partial esters of polyhydric alcohols with fatty acids having from 12 to 18 carbon atoms, and ethylene oxide condensates of such esters containing from 6 to 20 ethylene oxide units, such treatment being performed at a temperature below the boiling points of water and the solvent under the conditions of application, and continuously removing the resulting blended system from the filamentary material thereby leaving the material in a predetermined state of dryness.

2,460,401
DIRECTIVE MICROWAVE RADIO ANTENNA
George C. Southworth, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application November 28, 1941, Serial No. 420,747. Divided and this application April 1, 1943, Serial No. 481,390
37 Claims. (Cl. 250—33.63)



1. An antenna system comprising as the wave radiating or intercepting element a rod of dielectric material having a dielectric constant substantially greater than unity, and means at one end of said rod for launching into said rod or for receiving therefrom only electromagnetic waves of a predetermined operating frequency, the transmission cut-off frequency of said rod being not substantially greater than the said operating frequency, the length of said rod being at least several wave-length at the operating frequency.

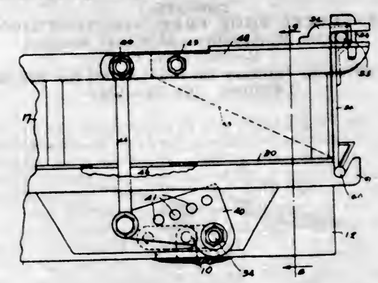
2,460,402
ELECTRON DISCHARGE DEVICE
George C. Sziklai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 6, 1945, Serial No. 614,692
7 Claims. (Cl. 315—6)



1. An electron discharge device having cathode means for directing a stream of electrons along a beam path, an electrode in said path toward which said electrons are directed, means for deflecting said stream at an angle to said path, means for velocity modulating said deflected electrons and returning said electrons along said first path toward said electrode, means for further velocity modulating said returned electrons, and means for extracting energy from said velocity modulated electron stream.

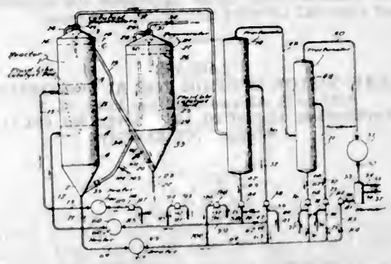
2,460,403
AUTOMATIC DUMP BODY
Maurice E. Teague, Cheney, Wash.
Application May 8, 1945, Serial No. 592,673
2 Claims. (Cl. 298—23)

1. In a dump body that is pivotally mounted upon a frame and swings to inclined position relative thereto, tail gate elevating means, comprising: a tail gate to close said body at the rear when in the normal horizontal position, a lever connected to each upper corner of said body and extending forward alongside said dump body and having pivotal connection therewith intermediate its ends, a link depending from each said lever forward of its pivotal connection to said body, a guide plate depending from said lever



within said body along the side wall thereof, said guide plate extending forward from the rear end of said lever, a cross shaft lateral of said body therebelow and having a crank plate on each end, each said link and the adjacent crank plate being pivotally interconnected and crank means between said cross shaft and said frame.

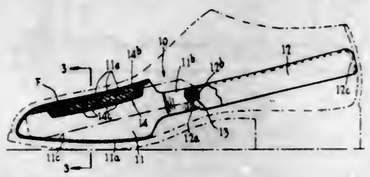
2,460,404
CATALYTIC CONVERSION OF HYDROCARBONS
John W. Ward, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1943, Serial No. 504,460
7 Claims. (Cl. 196—52)



1. A catalytic cracking process which comprises introducing relatively clean and active subdivided solid cracking catalyst to the first of a series of at least three reaction zones maintained under cracking conditions, passing catalyst from the first to the second and from the second to the third zone of the series whereby to maintain a continuous flow of catalyst through said series of zones, introducing to said third zone a hydrocarbon charging oil heavier than gasoline and therein cracking a substantial portion thereof in contact with used catalyst from said second zone, removing cracked vapors and catalyst from the third zone and fractionating the vapors to condense and separate hydrocarbons heavier than gasoline, introducing at least a portion of the last-named hydrocarbons to said second zone and therein subjecting the same to further cracking in contact with used catalyst from said first zone, passing resultant cracked vapors from the

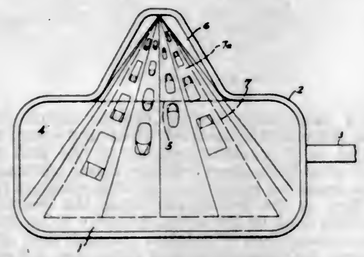
second zone to the third zone for further treatment therein, and passing an olefinic gasoline fraction serially through said first, second and third zones in the order named under conditions to reduce the olefin content thereof.

2,460,405
SANITATED SHOE TREE CONSTRUCTION
Samuel M. Abrams and Albert Abrams, Brooklyn, N. Y.
Application January 18, 1946, Serial No. 642,001
2 Claims. (Cl. 12—128)



1. A shoe tree comprising a hollow shoe-shaped toe retaining portion, a collapsible extension movably supported from said toe portion for adjustment in and out of said hollow toe portion, a porous member secured to an interior wall of said hollow shoe shaped portion and so located as to be free from interference with the movement of said collapsible extension when positioned in said toe portion and forming with the toe portion a compartment adapted to receive an odor neutralizing means, said toe portion where it forms the wall of said compartment having openings therein and having passages therein communicating with the interior thereof at points spaced from said openings, and means permitting movement of one of the portions forming a wall of said compartment so as to permit the insertion and removal of odor neutralizing means.

2,460,406
REAR-VISION MIRROR FOR AUTOMOBILES
Arthur S. Alexander, New York, N. Y.
Application August 20, 1946, Serial No. 691,711
1 Claim. (Cl. 88—73)



An automobile rear view mirror having an oblong portion with upper and lower longitudinal edges and vertical lateral edges, and a centrally extending portion along the upper edge of the oblong portion, said extending portion tapering upwardly from the oblong portion, and the edges of the extending portion being offset inwardly from the said lateral edges, whereby a triangular perspective rear view is obtained and obstructions to forward vision are reduced.

2,460,407
WASHER FOR GARDEN HOSE COUPLINGS
Orrin E. Andrus, Altadena, Calif.
Application December 10, 1945, Serial No. 633,961
6 Claims. (Cl. 138—46)

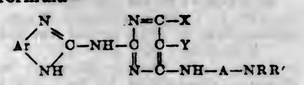
1. A washer or the like for garden hose connections, comprising a disc adapted to be confined in the connection transversely of the hose and having an orifice therein controlling the flow of water therethrough, means carried by the disc to adjust the size of the passage through the orifice for regulation of the flow of water, a filter member disposed on the inlet side of said disc, and a resilient circular rim member confining the corresponding adjacent edge portions of said disc and filter to hold the same in place and seal the connection against leakage.

2,460,408
AMPLIFIED ACCORDION
Walter J. Babicky, Milwaukee, Wis.
Application June 28, 1946, Serial No. 680,314
5 Claims. (Cl. 84—1.04)

1. The combination with a musical instrument having reed blocks and piano keys at one side thereof, of an amplifier pickup comprising a light weight microphone and a floating mounting therefor, and fastening means for securing the mounting to the piano side reed blocks in an otherwise unused space in the instrument.

2,460,409
2-BENZIMINAZOYL-AMINO PYRIMIDINES
Frederick Robert Basford, Francis Henry Swinden Curd, and Francis Leslie Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 4, 1946, Serial No. 701,092. In Great Britain October 9, 1945
9 Claims. (Cl. 260—251)

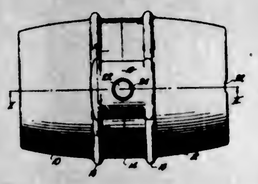
4. As new compounds, pyrimidine derivatives of the formula—



wherein Ar designates an ortho-attached arylene radical of not more than 10 cyclic carbon atoms

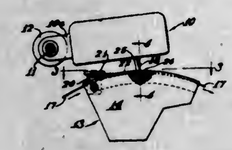
and whose cyclic carbon atoms carry substituents selected from the group consisting of hydrogen, chlorine, methyl and methoxy; R and R' are lower alkyl radicals, A is an aliphatic link joining the N-atom of the NH group to the N-atoms of the NRR' group and interposing therebetween at least two carbon atoms, while X and Y represent members selected from the group consisting of hydrogen and hydrocarbon radicals.

2,460,410
BARREL
Ernest H. Benson, Kansas City, Mo.
Application November 19, 1945, Serial No. 629,443
1 Claim. (Cl. 220—1)



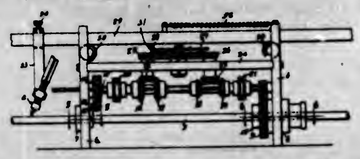
In a barrel of the character set forth, a body formed of sheet metal, provided with a filler opening in the side thereof and a bead on each side of the said filler opening; an out-turned flange integral with the barrel body and defining the edges of the filler opening; a flattened section in each bead having portions extending to each side of a longitudinal line passing through the axis of the filler opening; and a relatively strong reinforcing block secured to the outer face of the body, provided with a hole for receiving the out-turned flange, said block having its inner face contoured to rest against the outer face of the barrel body, including the flattened sections of the beads, and having its outer face contoured to form an uninterrupted, concentric, continuation of the outer faces of the ribs, the inner face of that portion of the block between the flattened portions of the ribs, and extending laterally from the opening being in snug contact with the underlying face of the barrel.

2,460,411
SOUND RECORDER
Sumter Calvert, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application March 9, 1944, Serial No. 525,781
4 Claims. (Cl. 274—11)



1. Sound apparatus including means providing a firm support over which film is adapted to move, rotatable members movably mounted on said support extending laterally of the movement of said film and over which said film is adapted to move, said members being movable toward and away from the plane of the film, and a sound stylus positionable upon said film at points across its width and between said rotatable members on a side of the film opposite from the latter.

2,460,412
APPARATUS FOR FLAME CUTTING
Frank J. Douglass, Pasadena, Calif.
Application October 7, 1942, Serial No. 461,174
4 Claims. (Cl. 33—21)



1. In the apparatus of the class described, the combination of a frame, a work supporting means carried by the frame, means for revolving the work support to rotate the work, a tool support, a reciprocating carriage for the tool support mounted to reciprocate on the frame in a direction parallel to the axis of rotation of the work, a pattern template, means driven by the work rotating means for rotating the template, a pin carried by the carriage to engage the pattern template, spring means for yieldably urging the carriage to maintain the pin in contact with the pattern periphery of the template whereby the carriage is reciprocated in accordance with the contour of the pattern periphery of the template as the work is revolved.

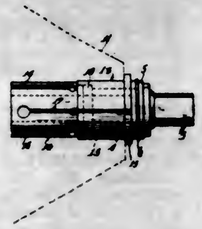
2,460,413
WELDER'S DOUBLE MITT
Sanford J. Errett, Portland, Oreg.
Application June 11, 1945, Serial No. 598,684
5 Claims. (Cl. 2—158)

1. A welder's mitt comprising an outer shell having a hand portion with a smooth seamless surface over the back and palm and extending around the forefinger edge, a single seam extending only across the finger tip end and along the little finger edge, and a thumb attached to the palm side of said hand portion by means of a seam extending around the base of the thumb, said thumb having a smooth seamless inner edge surface and a seam extending across the thumb tip and down the outer edge of the thumb; and a liner comprising a pair of identical blanks fastened together by a marginal seam to make said liner usable with either right or left hand outer shells.

2,460,414
INTERNAL COLLET
Morell M. Fuller, San Jacinto, Calif.
Application July 20, 1946, Serial No. 685,104
5 Claims. (Cl. 279—2)

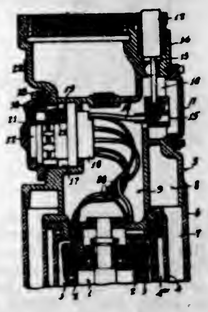
2. An internal collet for removably sustaining a workpiece from the inner bore thereof, which

collet comprises jaw members uniting to form a substantially cylindrical body separated longitudinally into three separate jaw members, a spherical fulcrum member positioned interiorly of the jaw members, the jaw members extending to both sides of the fulcrum member so that at one side thereof they expand and contact the bore of the workpiece to be supported by the



collet and at the other side of the fulcrum they provide surfaces adapted to be contracted by a device for mounting the collet, said jaw members having segmental spherical surfaces engaging the fulcrum member, and a resilient ring engaging the inner surface of the jaw members for yieldingly urging the jaw members into the releasing position.

2,460,415
SELECTIVE MOTOR LINE CONNECTING DEVICE
James M. Gaylord, San Marino, and Rowland E. Ball, Long Beach, Calif., assignor to Byron Jackson Co., Vernon, Calif., a corporation of Delaware
Application November 16, 1944, Serial No. 563,760
9 Claims. (Cl. 172—36)

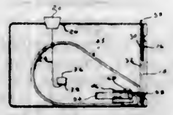


3. A device for effecting predetermined connections between an electric motor and power line wherein the motor is provided with sets of windings adapted for series or parallel connections, the combination of: a terminal base; a ring of terminal elements secured therein and arranged in sets connected with corresponding sets of motor winding leads, one of said sets also being connected to said power lines; a terminal plate; means for securing said terminal plate in at least one of two planularly offset positions relatively to said terminal base; a ring of terminal members carried by said terminal plate and several of said terminal members being arranged in electrically connected pairs to cause said pairs of terminal members to selectively bridge between different sets of terminal elements depending upon the position of said terminal plate, others of said terminal members being shorted so as to provide a shorting connection between the members of one set of terminal elements when said terminal plate occupies one of its positions, said shorting connection being inoperative when said terminal plate occupies its other position.

2,460,416
SCREEN CLEANER FOR PRESSURE FILTERS
Uriel E. Goodrich, Laramie, Wyo.
Application September 21, 1945, Serial No. 617,849
2 Claims. (Cl. 210—182)

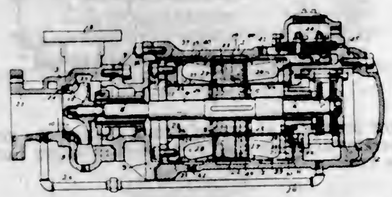
2. A device for cleaning filter screens of the flat, vertical, parallel, separated type used in dry cleaners' pressure filters comprising: a horizontal shaker bar lying across the upper edges of all of said screens at right angles to the planes thereof, there being notches in the lower edge of said shaker bar for receiving the upper edges of said filter screen; a horizontal shaft extending across said filter at right angles to and below said shaker bar; an eccentric member on said shaft at its point of intersection with said shaker bar; means on said shaker bar engaging said eccentric member; and means for rotating said shaft from the exterior of said filter to cause said eccentric to reciprocate said shaker bar horizontally.

2,460,417
MOUSETRAP
Robert F. Goostrey, Jackson, Mich.
Application January 17, 1946, Serial No. 641,779
7 Claims. (Cl. 43—61)



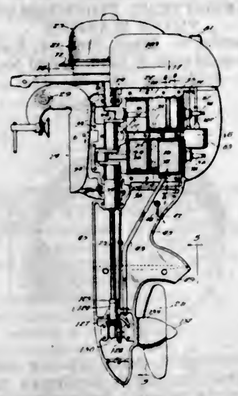
1. A mouse trap or the like, comprising a housing having an opening in one end thereof, a fixed plate member closing said opening and having a hole therein, a movable plate slidably positioned along the inside of said first plate and vertically movable between upper sprung position and a lower set position and having a hole therein registering with said first hole with said movable plate in its lower set position, means guiding said movable plate for movement relative to said first plate, spring means acting on said movable plate to project the same into the upper sprung position, a part on said movable plate extending above said housing with said movable plate in the upward sprung position and adapted to be depressed to move said movable plate into the lower set position, a trigger located within said housing, and means constituting a releasable connection between said movable plate and said trigger to hold said movable plate in the lower set position.

2,460,418
ELECTRIC MOTOR
Edward Hart, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 18, 1944, Serial No. 550,023
10 Claims. (Cl. 172—36)



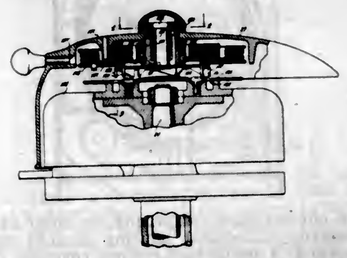
7. In a rotary electric motor including a stator, stator windings therefor, a housing for the motor, and end closures for said housing adapted to provide bearing supports for the rotor of the motor, a separate package enclosure containing the stator and its windings removably secured in said motor housing, the inside surface of said package comprising the stator laminations and a sleeve interlocked therewith and extending from each end thereof and being covered by a cylindrical lining of foil-like thickness of corrosion resistant material sealed at the ends of the package, means for removably securing and sealing one end of said package to one of said closures and means to allow limited longitudinal movement of the other end of said package within said housing to protect said lining against damage as by thermal expansion and contraction and to seal said end to protect said stator and windings against corrosive liquids, the outer wall of said package being open to the inside of said housing between said seals.

2,460,419
OUTBOARD MOTOR
Leo T. Kincannon, Milwaukee, Wis., assignor to Metal Products Corporation, a corporation of Wisconsin
Application April 14, 1943, Serial No. 482,967
12 Claims. (Cl. 115—17)



1. In an internal combustion engine, the combination of a motor casing having a bore therein adapted to receive a cylinder and a crank case, said casing being made in parts split in a plane substantially through the center line of the cylinder and the crank case, a cylinder in said bore having an integral head, means to clamp the two parts of the casing together with the cylinder in place therein, said cylinder and casing having a direct interlocking connection intermediate the ends of said cylinder to positively prevent longitudinal movement of said cylinder relative to said casing and completed when said parts of said casing are clamped together, and means cooperating with said casing to form a water jacket space for said head.

2,460,420
STARTER MECHANISM FOR MOTORS
Leo T. Kincannon, Milwaukee, Wis., assignor to Metal Products Corporation, a corporation of Wisconsin
Original application April 14, 1943, Serial No. 482,967. Divided and this application August 25, 1944, Serial No. 551,198
6 Claims. (Cl. 123—185)



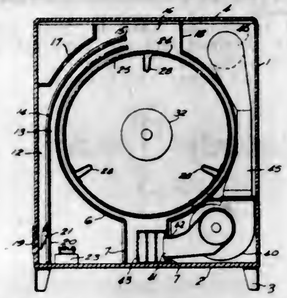
1. In a starter for a motor having a flywheel with apertures therein, a pulley, a spring attached to said pulley and adapted to rotate the pulley in one direction, a cord engaged with said pulley and adapted to rotate the pulley against the action of said spring, an actuating plate mounted concentrically with said pulley and having a limited movement in a plane perpendicular to the pulley, a cam member mounted on said pulley and in constant engagement with said plate, said cam being adapted simultaneously to rotate said plate and having fixed cam portions engageable with said plate to move the same toward said flywheel, and fixed lugs on said plate engageable in the apertures in the flywheel to rotate the latter.

2,460,421
FLEXIBLE VANE PUMP FOR OUTBOARD MOTORS
Leo T. Kincannon, Milwaukee, Wis., assignor to Metal Products Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 22, 1946, Serial No. 678,657
4 Claims. (Cl. 103—117)

1. In a pump of the character described, the combination of a housing having a cylindrical cavity having an inlet in its bottom wall, a tube forming a fixed imperforate liner for the side walls of said cavity except for a flattened por-

tion spaced from said walls, said pump having a plate abutting said liner and having an outlet in the region of said flattened portion, means for clamping said plate and liner in assembled position, and a rotor centrally mounted in said cavity and having a plurality of flexible vanes mounted to rotate in said housing and cooperating with said inlet and outlet.

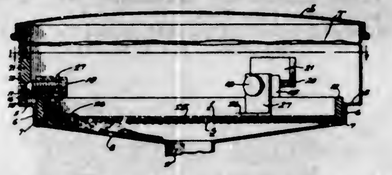
2,460,422
CLOTHES DRIER
Ernst R. Koppel, Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application July 28, 1945, Serial No. 607,578
11 Claims. (Cl. 34—133)



1. A clothes drier comprising, an outer casing, a generally cylindrical housing secured within said casing, a perforated clothes carrying drum mounted for rotation within said housing and accessible through the front of said casing for loading and unloading of clothes, a diverter plate disposed laterally within one side of the casing substantially equi-distant between the casing and said housing to provide an outer duct between the plate and casing for the passage of fresh air and an inner duct between the plate and housing for the passage of heated air, said plate being curved inwardly at the upper portion to the shape of the housing and extending to a line above said housing, a vertical opening in said housing beneath the upper end of said plate, a baffle plate secured between the housing and top of the casing on the side of said opening opposite said ducts to direct the fresh air and heated air simultaneously through said housing opening and into said drum, means to supply fresh air to the outer passage and heated air to the inner passage, means to drive said drum, and means to flow said fresh air and heated air through said ducts and drum and out through the casing wall.

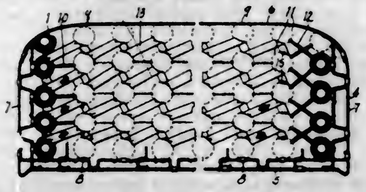
2,460,423
FILTER
Aloysius C. Kracklauer, Mundelein, Ill., assignor, by mesne assignments, to Sparkler Mfg. Co., Mundelein, Ill., a corporation of Illinois
Application March 26, 1945, Serial No. 584,899
8 Claims. (Cl. 210—158)

1. The combination with a filter having a tank provided therein at a point below its top with an annular seat, of a ring adapted to rest upon the seat and be supported thereby, a filter element supported in place between the ring and seat, a plurality of blocks affixed interiorly to the tank at a common elevation above the ring and each formed with a beveled under face, and a plurality of screw means, one for each block, carried by the ring and movable radially toward and from the beveled block faces for variable engagement therewith to transmit therefrom down-



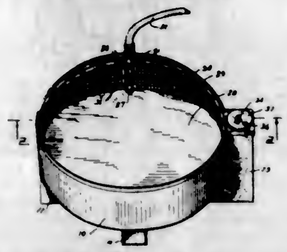
ward pressures at spaced points against the ring whereby to clamp the filter element tightly upon the seat.

2,460,424
SPRING CUSHION CONSTRUCTION
John Lupanoff, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application November 9, 1946, Serial No. 708,827
10 Claims. (Cl. 5—274)



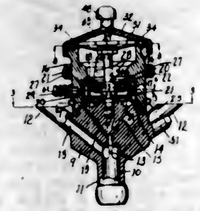
7. In a spring structure the combination of a top border frame comprising front, rear and end members, coiled body springs arranged in longitudinal rows, the top coils of the front, rear and end border springs being secured to the front, rear and end members of the border frame respectively, tie members connecting the top coils of adjacent springs in the rows, and webs of fabric rove zig-zag through the top coils of adjacent springs of adjacent rows.

2,460,425
INTERMITTENT PHOTOGRAPHIC PRINT WASHER
Charles E. Mace, Denver, Colo.
Application March 5, 1946, Serial No. 652,118
5 Claims. (Cl. 95—97)



1. A photographic print washer comprising: a circular tank having a discharge opening in the middle of its bottom; hydraulically-actuated means for opening said discharge opening at predetermined intervals; a circular removable imperforate sub-bottom in said tank of less diameter than the latter; partition members extending radially from said discharge opening and supporting said sub-bottom above the bottom of said tank; a cylindrical screen arising from the periphery of said sub-bottom in spaced relation to the wall of said tank; and means for admitting water to said tank.

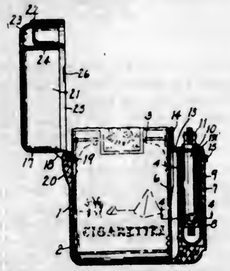
2,460,426
PULSATOR FOR MILKING MACHINES
Robert E. Maes, Marshall, Mich.
Application March 9, 1945, Serial No. 581,906
13 Claims. (Cl. 31—63)



1. A pulsator unit for milking machines comprising a chambered base member having a central depending vacuum connection nipple and peripherally spaced upwardly diverging teat cup connection nipples communicating with said chamber, said base also having an annular passage in its upper side communicating with its chamber, a casing member threaded upon said base member and constituting a wall for said annular passage and having a valve cylinder with vacuum ports at its upper end communicating with said annular passage and atmospheric ports at its lower end, said casing having spaced teat cup pulsating connection nipples opening thereto, a cap member threaded upon said casing member, a diaphragm disposed with its edges between said cap member and the upper end of said casing member and providing a diaphragm chamber, said casing member being provided with a passage opening to said diaphragm chamber and to the said valve cylinder between its said vacuum and atmospheric ports, a reciprocating valve adapted to alternately connect said vacuum ports and said atmospheric ports to said teat cup nipples and to said diaphragm passage, a stem on said diaphragm disposed centrally through said valve and having sliding engagement with said base member, said stem being provided with a double cone cam, and an annular coiled spring arranged within said valve coacting with said cam whereby the valve is actuated with a snap action through the actuation of said diaphragm.

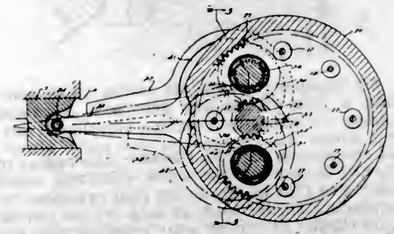
2,460,427
COMBINED CIGARETTE CASE AND LIGHTER
Henry E. Musselman and William H. Buck, Kalamazoo, Mich.
Application January 26, 1946, Serial No. 643,564
2 Claims. (Cl. 206—41.4)

1. A combined cigarette case and lighter comprising an integral body member of molded plastic material having a compartment of substantially rectangular cross section and of such dimensions as to receive a package of cigarettes with the upper end of the package projecting therefrom, the front wall of the compartment having internal longitudinally extending and laterally spaced ribs with outwardly inclined inner edge portions, said ribs acting to wedgingly engage a cigarette package within the compartment, said body member also having a longitudinal boss-like enlargement on the front wall thereof chambered to provide a lighter compartment and having internal longitudinally extending ribs with curved inner edges coacting with the inner wall of the chamber to receive and removably support a cylindrical lighter, the body member having a peripheral rib spaced from its upper edge providing a cover ledge, a cylindrical lighter arranged in said lighter chamber to project therefrom and provided with ignition means at its projecting end and having thereon an angular guard member with one arm thereof retainingly engaged with the lighter at the inner side of its ignition means and supported upon the end edge of the ignition chamber wall, the other arm projecting upwardly



and constituting a shield between the igniter means and the cigarette package, a cover member of molded plastic material hinged to the rear wall of said body member and having a compartment therein complemental to said cigarette compartment of said body member and adapted to receive the projecting end of a cigarette package therein and said shield, said cover member having a boss-like extension on its swinging end chambered to complement said lighter chamber, said cover member having a flange portion in its edge adapted to close over the upper end of the body member and abut the said cover ledge thereon, and a snuffer cap arranged in said complemental lighter chamber of said cover to enclose the projecting end of the lighter and the ignition means thereof.

2,460,428
MECHANICAL MOVEMENT FOR SLUSH PUMPS
Charles M. O'Leary, Los Angeles, Calif.
Application October 15, 1945, Serial No. 622,327
9 Claims. (Cl. 74—52)



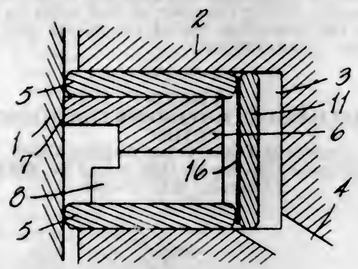
1. An epicyclic geared crank mechanism for a multi-piston pump, including a connecting rod for each piston, a sun and planet gear train in which the internal gear is fixed to the crank end of one connecting rod and is eccentric with respect to the sun gear and the axis of the sun

gear is fixed, said gear train including a member journaled on the sun gear axis, planet gearing journaled on the member and operatively connecting the internal and sun gear, and a journal carried by said member eccentrically of the sun gear axis for the crank end of another connecting rod.

2,460,429
ARTICULATED VEHICLE
Otto I. Oyler, Canton, Ohio
Application May 11, 1946, Serial No. 669,183
24 Claims. (Cl. 280—81)

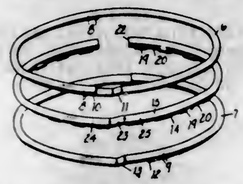
13. A dual bogie construction for vehicles comprising a forward wheeled bogie section and a rear wheeled bogie section, a transverse shaft on the forward bogie section, a universally jointed hanger depending from said transverse shaft, a second transverse shaft located on the rear bogie section forwardly of the rear bogie wheels, a second universally jointed hanger depending from the second transverse shaft, a rigid arm fixed to the forward end of the rear bogie section and pivotally connected to the lower end of the first named hanger, a pivotal connection between the lower end of the second hanger and the forward bogie section, and a pair of separable vertical pivots at the meeting faces of the two sections, said pivots being located on opposite sides of the center line of the bogie.

2,460,430
INNER RING OR EXPANDER FOR PISTONS
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application April 26, 1944, Serial No. 532,770
2 Claims. (Cl. 309—43)



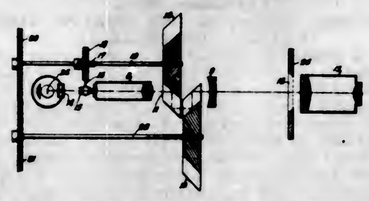
1. An expander spring for piston rings comprising a thin ribbon-like generally polygonal split strip of spring steel having a plurality of outwardly bowed ring engaging crimps and a plurality of connecting reaches therefor, the radius of curvature of said crimps being relatively small compared to that of the piston ring expanded by the expander spring, each of said crimps having chrome plating providing wear resisting ring engaging surfaces, such chrome plating being characterized by a pronounced crack pattern, the cracks of said pattern reducing compression and tension in the plating on the crimps upon flexing of the crimps to prevent scaling off of the plating and to maintain the resiliency of the spring steel.

2,460,431
PISTON RING
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich.
Application January 17, 1947, Serial No. 722,699
10 Claims. (Cl. 309—45)



1. A piston ring assembly comprising split spaced thin expansible side members and a split expansible spacer member intermediate said side members, said side members being disposed to present their outer edges to a cylinder wall and disposed to present their outer side surfaces to the opposite side walls of a piston ring groove, each side member having end portions overlapping approximately one-half the circumference of the side members and having an axially inwardly offset portion disposed at the attached end of one end portion and adjacent the free end of the other end portion, the offset portion in axial extent being approximately equal to the thickness of said adjacent end portion, the offset portion permitting the outer face of the side member to lie substantially entirely in a plane and permitting said face to engage the side wall of a ring groove substantially the entire length of the circumference of said side wall, said offset portion being circumferentially slightly spaced from said adjacent end to permit the side member to expand and contract in a ring groove, said spacer member being formed of ductile metal folded upon itself into a plurality of integrally connected superimposed plies, the bottom wall of the spacer member being upwardly bent at spaced intervals to provide alternate spacer and drain reaches, said spacer member opposite from the split thereof having an axial offset portion to permit the portions on the opposite sides thereof to lie in axially spaced planes, the axially offset portions of the side members and spacer member being in substantially axial superimposed relation to limit relative circumferential shifting of the side members and spacer members when disposed in operative position in a piston ring groove.

2,460,432
NONINTERMITTENT MOTION-PICTURE PROJECTOR
William C. Plank, Vallejo, Calif.
Application July 21, 1947, Serial No. 762,384
5 Claims. (Cl. 88—16.8)



1. In a non-intermittent motion picture projector, means to move the film at a uniform

velocity past an adjustable objective lens adapted to project a small real image of the film, two wheels comprised of rhombic reflecting prisms disposed so as to receive the light rays from the said objective lens through the smaller or inner faces of the prisms, means to rotate the said prisms past the said objective lens in the same direction as the film to compensate for the motion of the said film, and an auxiliary negative lens situated on the outside of the said prism wheels adapted to enlarge the arrested image.

2,460,433
ELECTRIC HOOD
Edwin B. Ripley, Los Angeles, Calif.
Application May 6, 1947, Serial No. 746,405
1 Claim. (Cl. 219—46)

A hood for the human head, adapted to fit over the top, back and sides of the human head, and having woven therein resistance wires for heating the hood, said wires having two terminal connecting means at opposite sides thereof, whereby to be connected in series with another electrically heated garment from one of said terminal connecting means, and to a source of electric energy by the other connecting means.

2,460,434
END PROTECTOR FOR ROLLED STRIP MATERIAL
Philip G. Salem, Akron, Ohio
Application May 20, 1946, Serial No. 671,109
4 Claims. (Cl. 206—59)

2. An end protector for strip material wound upon a core, said protector comprising a composite structure having a pair of axially apertured discs positionable against the end face of the rolled material and a sleeve in which the projecting end portion of the core is receivable, said sleeve having an end portion slitted and fanned radially outwardly, said sleeve extending through the axial aperture in one of said discs, the latter being bonded to each other with the fanned out portion of the sleeve confined therebetween, and a cap-like member mountable upon the projecting end portion of the core in telescoping relation with said sleeve, and bonded to the latter.

2,460,435
GOLF CLUB
Fred B. Schaffer, Kansas City, Mo.
Application April 23, 1948, Serial No. 22,877
8 Claims. (Cl. 273—77)

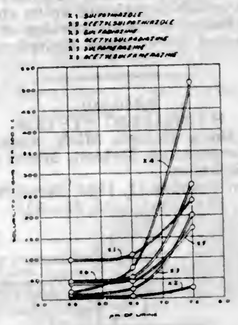
1. A golf club head comprising, a molded body of plastic material having integral top, forward and rear walls and terminating at one side in a neck adapted for connection with a golf club shaft, a ball striking face on the forward wall, a weight member engaging the forward wall and extending rearwardly therefrom substantially to the rear wall, and a plurality of rearwardly diverging ribs integral with and extending down-

wardly from the top wall connecting the weight member and rear wall to form a supporting structure for said weight member, said ribs being connected adjacent the weight member for entirely enclosing said weight member in plastic material and increasing the effective mass at the center of the head behind the normal point of impact of the striking face on a golf ball.

2,460,436
MERCAPTO ALCOHOL ESTERS
Bernard H. Shoemaker, Hammond, and Chester E. Adams, Highland, Ind., and Wayne A. Proell, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 9, 1945, Serial No. 598,630
10 Claims. (Cl. 260—475)

1. A hydrocarbonmercapto monohydric alcohol ester of a polybasic carboxylic acid.

2,460,437
SULFA DRUG COMPOSITIONS
Marvin Russell Thompson, Riverside, Conn.
Application February 17, 1948, Serial No. 8,837
6 Claims. (Cl. 167—51.5)



1. An orally administrable therapeutic composition for producing effective blood levels of a sulfa drug without renal complications or alkalosis comprising a suspension of a sulfa drug in a liquid containing a lactate salt selected from the group consisting of sodium and potassium lactates in an amount at least three times the amount of the drug, and sufficient acid to reduce the pH of the liquid composition to slightly below the alkaline pH range to stabilize the drug and to enable the drug and lactate salt to be given as a mixture.

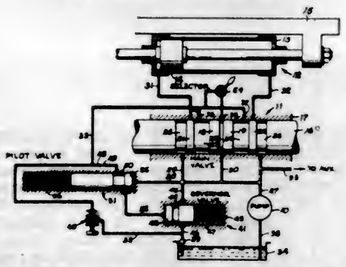
2,460,438
GARMENT HANGER
Morris Treiman, Los Angeles, Calif., assignor to Allied Plastics Company, Los Angeles, Calif., a copartnership
Application December 13, 1947, Serial No. 791,637
6 Claims. (Cl. 223—92)

1. A garment hanger comprising a body, a vertically disposed series of slots extending into said body alternately from opposite sides thereof, each of said slots having an inner portion overlapping the inner portion of the next adjacent slot, all in such manner that said overlapping inner portions cooperate to define the cross section of a vertical hole extending down into said body from the top edge thereof and opening alternately on opposite sides, a hook having a shank extending down into said hole, said body having an opening extending through from one side to the other and intersecting said hole, a washer mounted on said shank within said opening and adapted to bear on the top edge thereof, and means for securing said washer to said shank, whereby the latter is prevented from pulling out of said hole.

2,460,439
BENZOYL PEROXIDE BLEACHING COMPOSITION
Robert S. Whiteside, Scarsdale, N. Y., and Chester H. Allen, Cincinnati, Ohio, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 16, 1946, Serial No. 683,999
6 Claims. (Cl. 99—232)

1. A benzoyl peroxide bleaching composition comprising a finely divided intimate admixture of inert materials containing up to about 30% of benzoyl peroxide, a major portion of said inert materials being dead-burnt anhydrous calcium sulfate.

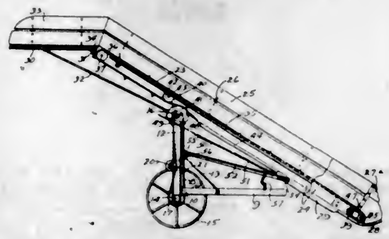
2,460,440
HYDRAULIC SYSTEM
Carroll R. Alden, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 11, 1943, Serial No. 505,799
12 Claims. (Cl. 60—52)



5. In a hydraulic system, the combination of a fluid delivery pump and an actuator, a main valve for cutting off the flow of fluid from said pump to said actuator when the valve is in an off position therefor, and means operable only when the main valve is in said off position to retain the pump discharge pressure either high or low.

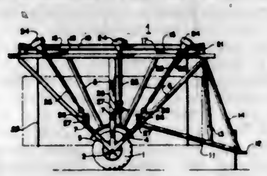
9. In a hydraulic system, the combination with an actuator and means including a pump for supplying pressure fluid thereto, of means operable automatically upon stalling of the actuator for not only preventing the supply of further fluid to the actuator from said pump but for also thereafter retaining said actuator at rest until the pump has been stopped and restarted.

2,460,441
AGRICULTURAL LOADING MACHINE
Everett H. Appel, Aurora, Ill.
Application April 19, 1944, Serial No. 531,693
6 Claims. (Cl. 214—41)



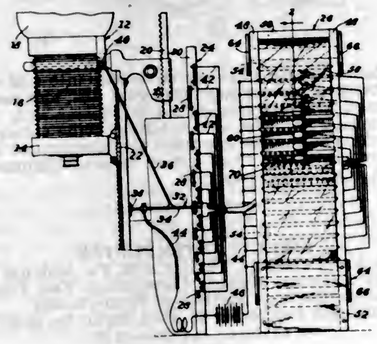
6. In an agricultural loading machine for bales and the like, a mobile frame, an inclined loading trough pivoted on said frame, means normally maintaining the lower end of said trough elevated well above pick-up position but yieldable and properly proportioned to the mass of a load to permit lowering of said end when a load is being picked up, an endless conveyor associated with said trough, a rotary pick-up element at the lower end of said trough to engage a load and pull down the lower end of said trough and deliver the load to said conveyor, and laterally flaring means adjacent the lower end of said trough to straighten a load relatively to said conveyor for engagement by said pick-up element.

2,460,442
TRAILER
Walter F. Aycock, El Centro, Calif., assignor, by mesne assignments, to Tank Fertilizer, Inc., Brawley, Calif., a corporation of California
Application February 7, 1947, Serial No. 727,144
4 Claims. (Cl. 214—75)



1. A trailer for handling bulky cargo, comprising: a pair of wheels; a pair of wheel mountings of generally segmental form each adapted to straddle and journal a wheel; a set of radiating upwardly diverging struts rigidly connected to each wheel mounting; a horizontally disposed rectangular top frame rigidly secured to said struts, said top frame and sets of struts defining a cargo receiving space; a cargo frame; springs yieldably supporting said cargo frame relative to said top frame; and means for suspending bulky cargo from said cargo frame.

2,460,443
PHOTOGRAPHIC ENLARGER EXPOSURE INDICATOR
John M. Benton, West Palm Beach, Fla.
Application May 9, 1946, Serial No. 668,341
8 Claims. (Cl. 88—24)

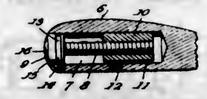


1. Photographic apparatus comprising in combination an enlarger, a series of stationary electrical contact elements of progressively increasing length, a movable contact slidably engaging said contact elements and connected to said enlarger whereby movements of said enlarger relative to a printing surface produce a proportional movement in said movable contact, a separate light electrically connected through said movable contact to each of said separate stationary contact elements and a movable, tape-like chart which may be moved lengthwise relative to said lights having indicia thereon for indicating the exposure to be used for any particular setting of said enlarger in accordance with the particular light which is lit by movement of the enlarger relative to the printing surface.

2,460,444
FACE POWDER CONTAINER
Lynn Bering, Hollywood, Calif.
Application December 6, 1947, Serial No. 790,191
5 Claims. (Cl. 132—82)

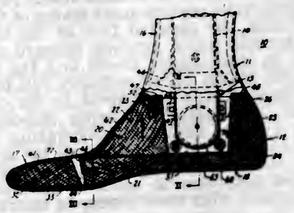
1. A face powder container, comprising: container means defining a powder puff compartment and a face powder reservoir separated by a partition, said partition having a ported area; a cover for said compartment; a valve means operable from the exterior of said means for passing face powder from said reservoir to said compartment; and means responsive to movement of said cover to lock said valve means against operation when said cover is open and permit said valve means to operate when said cover is closed.

2,460,445
ADJUSTABLE WEIGHT FOR GOLF CLUB HEADS
Charles W. Bigler, Cedar Falls, Iowa
Application April 19, 1948, Serial No. 21,801
2 Claims. (Cl. 273—77)



1. In a golf club head, means for adjusting the balance thereof, comprising a recess extending inwardly from one end of said head, a threaded screw member disposed longitudinally in said recess, said screw member being provided with an integral slotted adjusting head, of a size to substantially close the mouth of said recess and having its outer face shaped to conform to the contour of the adjacent area of the face of said golf club head, a peripheral groove extending around said screw head, a retractable projection in said golf club head extending into said groove, said projection and groove being relatively positioned with respect to one another and to the mouth of said recess to permit rotation of the screw but preventing its longitudinal displacement in the recess, a weight member in said recess, threaded to operatively engage the threads of said screw and longitudinally adjustable thereon by rotation of the latter, cooperative means in said recess and on said weight to prevent rotation of said weight with said screw, but to permit its longitudinal movement in said recess when the screw is turned, an index marking adjacent the mouth of said recess, on one of said faces and a series of cooperating markings on the other of said faces, said last named markings being calibrated to respectively indicate predetermined longitudinal positions of said weight on said screw, and means for locking said weight in selected positions.

2,460,446
ARTIFICIAL FOOT
Edward P. Carmichael, La Mesa, and Charles W. Radcliffe, Albany, Calif., assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application September 23, 1947, Serial No. 775,686
17 Claims. (Cl. 3—5)

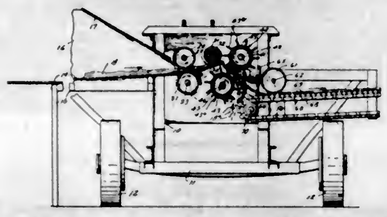


1. An artificial foot comprising a primary weight bearing portion and a toe portion, said primary weight bearing portion comprising an elongated core section and a fairing element applied at each elongated side of said core section, said fairings simulating contours of the human foot, said core section and said fairing elements being comprised of balsa wood, and a protective coating formed of a shock resisting material disposed upon the exterior of the assembled core and fairings.

2,460,447
CONVEYER CHAIN
John L. Clarkson, Nashville, Ill.
Original application April 4, 1945, Serial No. 586,559. Divided and this application August 21, 1946, Serial No. 691,956
4 Claims. (Cl. 74—246)

1. In a conveyor chain universal joint structure, a pair of elements arranged end to end, each having a central longitudinal portion of relatively shallow depth and flanges of relatively greater depth at the sides of said portion, the central longitudinal portion of one element forming spaced jaws and the central longitudinal portion of the other element having a tongue received between said jaws, and a pin extending through the tongue and jaws parallel to the planes of said flanges and pivotally connecting the two elements.

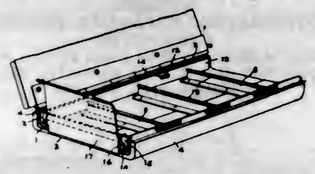
2,460,448
MACHINE FOR BREAKING FIBROUS MATERIALS
John V. Cook, Wilmette, Ill.
Application August 31, 1943, Serial No. 500,628
2 Claims. (Cl. 19—30)



1. In apparatus for treating fibrous material such as stalks of hemp, flax and the like, having a stationary breaker bar, the combination of a beater roll and a scutcher roll, said rolls each including a plurality of longitudinally extending, circumferentially spaced-apart blades of flattened cross section, the forward face of the blades of the beater roll being inclined forward with respect to its direction of travel and the forward face of the blades of the scutcher roll being inclined rearwardly with respect to its direction of travel, the beater roll being disposed in a position with its blades in cooperating relation to the breaker bar to operate upon the stalks for severing the pith thereof into small hurds, said rolls being rotatable in opposite directions and being disposed with their blades in intermeshing relation for receiving the stalks therebetween, as they feed from the breaker bar, for dislodging the hurds from the fibers of the stalks.

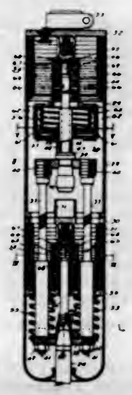
2,460,449
VISIBLE CARD INDEX
Robert J. Copeland, Toronto, Ontario, Canada
Application April 21, 1945, Serial No. 589,523
3 Claims. (Cl. 129—18)

2. A card index comprising, a holder having flanged edges, spaced ribs extending transversely of said holder between said flanged edges, bars slidably arranged parallel with the flanged edges of said holder, cross bars arranged above said ribs and having their ends secured in said slidable bars, said cross bars being spaced equal to the spacing of said cross ribs, means for moving said



slidable bars to move the cross bars into and out of vertical register with the cross ribs, and cards formed with notches spaced to register with the cross bars and ribs, said notches having enlarged portions at the top to permit displacement of the upper cross bars from out of vertical alignment with the holder cross ribs.

2,460,450
CIRCUIT INTERRUPTER
James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 12, 1946, Serial No. 696,571
9 Claims. (Cl. 200—150)

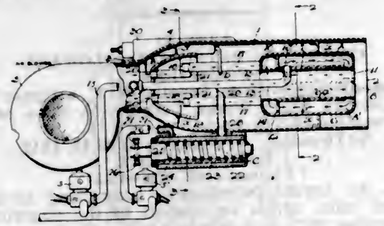


1. In a circuit interrupter, an operating cylinder, a piston operable within the cylinder, a contact secured to and movable with the piston, another contact cooperable with the said contact to establish an arc, an aperture provided in the piston, and contact means including a contact rod carrying the said other contact movable through the aperture to move the piston in sliding relationship to its charged position.

2,460,451
GASIFYING FUEL BURNER
Joseph E. Farrell, Toms River, N. J., assignor to Farhall, Inc., Toms River, N. J., a corporation of New Jersey
Application June 13, 1946, Serial No. 676,386
9 Claims. (Cl. 158—53)

1. A gaseous fuel burner comprising, a casing having a flame discharge end and a tapering throat portion leading to a relatively constricted

air intake end, a blower for supplying air to said intake end, a main generator for converting liquid fuel into a dry gas located within the flame discharge end of the casing, means for supplying liquid fuel to the main generator, a plurality of gas conveying tubes extending rearwardly from said main generator, a substantially conical aspirating shell supported in spaced relation to the

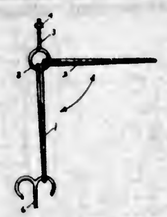


throat portion of the casing and having its fired end in overlapping and receiving relation to the outlet ends of the gas conveying tubes leading from the main generator, means for generating and delivering a preliminary supply of dry gas to the casing upstream of the main generator, and means for igniting the dry gas to provide heat for initiating the generation of gas in the main generator.

2,460,452
SANITARY PILLOW COVERING
Charlotte Hampton, Nashville, Tenn.
Application March 11, 1946, Serial No. 653,567
1 Claim. (Cl. 5—339)

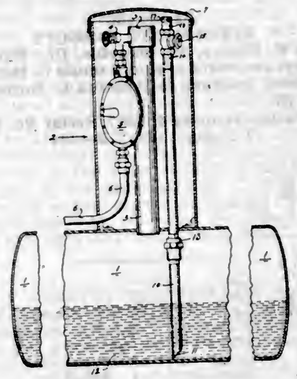
A removable and replaceable covering for a prismatic pillow which pillow has two triangular end panels and three rectangular side panels, said covering comprising a pair of triangular end sections, a rectangular back face attached at its ends by sewn seams to corresponding sides of said triangular end sections, a rectangular bottom face having one of its sides attached by a sewn seam to a side of said back face and having its ends attached by sewn seams to corresponding second sides of said triangular end sections, and a rectangular front face having one of its ends attached by a sewn seam to the remaining side of said bottom face and having portions of its sides attached by sewn seams to corresponding third sides of said triangular end sections, said front face having a flap portion extending over and substantially beyond an opening between said front face and said back face, the pillow to be covered being insertible into said covering through such opening, the sewn seams attaching said sections and faces being arranged to overlie the corresponding edges of the pillow to restrain said cover against slipping or creeping movement relative to the pillow, and said flap portion being of sufficient length to be positioned in overlapping engagement with a substantial portion of said back face to assure that such opening shall remain covered during normal use of the pillow.

2,460,453
SAFETY HANGER
George W. Harris, Mercer County, Ill., assignor of one-half to Rudolph Miller, Matherville, Ill.
Application October 9, 1944, Serial No. 557,892
5 Claims. (Cl. 211—119)



1. A duplex safety hanger for heavy loads comprising an overhead support, a pair of rings suspended thereby and pivotally mounted therein, said rings being rigidly united and diverging from the support.

2,460,454
THIEF LINE FOR BUTANE TANKS
Landrum L. Hughes, Erick, Okla.
Application June 7, 1946, Serial No. 675,286
3 Claims. (Cl. 62—1)

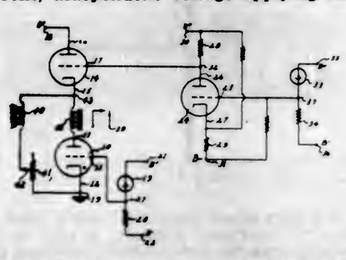


2. The combination with a sub-surface storage tank for liquefied butane having a dome thereon for which the tank top forms a floor, of a thief line including: an outlet pipe extending from the dome downwardly through the tank top to a point adjacent the bottom thereof; means for hermetically sealing the tank top to the exterior of the pipe; and an excess-flow-check intermediate the ends of the pipe and located within the tank adjacent the top thereof.

2,460,455
ELECTRONIC CIRCUIT
Samuel C. Hurley, Jr., Danville, Ill.; Wilmina L. Hurley, executrix of said Samuel C. Hurley, Jr., deceased, assignor to Wilmina L. Hurley, Danville, Ill.
Application January 4, 1947, Serial No. 720,229
2 Claims. (Cl. 315—179)

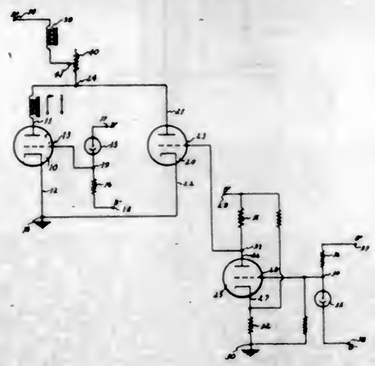
1. An electronic circuit comprising a source of direct current, a first series circuit connected to said source comprising a vacuum amplifying tube and a gas-filled amplifying tube, each of said

tubes having an anode circuit, a cathode circuit and a control grid, a second series circuit comprising a choke coil and a resistor connected in parallel with the gas-filled amplifying tube, the control grid of said vacuum tube being normally biased so as to enable the vacuum tube to conduct a current, independent voltage-applying means



controlling the bias on the control grid of the gas-filled tube thereby controlling the ionization of the gas-filled tube and means for preventing or stopping the flow of current through the gas-filled tube including voltage-applying means for placing sufficient negative bias on the control grid of the vacuum tube to render the vacuum tube non-conducting.

2,460,456
ELECTRONIC CIRCUIT
Samuel C. Hurley, Jr., Danville, Ill.; Wilmina L. Hurley, executrix of said Samuel C. Hurley, Jr., deceased, assignor to Wilmina L. Hurley, Danville, Ill.
Application January 4, 1947, Serial No. 720,230
1 Claim. (Cl. 315—207)



An electronic circuit comprising a source of direct current, a vacuum amplifying tube, a gas-filled amplifying tube, said vacuum tube and said gas-filled tube being connected in parallel with said source of direct current, each of said tubes having an anode circuit, a cathode circuit, and a control grid, a choke coil and a resistor connected in series with said parallel circuit including said vacuum tube and said gas-filled tube, a third amplifying tube having a loaded anode circuit, a cathode circuit and a control grid, the control grid of said vacuum tube being connected to the loaded anode circuit of said third amplifying tube such that the two tubes are 180° out of phase, independent photoelectric voltage-applying means controlling the bias on the control grid of the gas-filled tube thereby controlling the ionization of the gas-filled tube, and means for preventing or stopping the flow of current through the gas-filled tube including voltage-applying means placing sufficient negative bias on the control grid of the third amplifying tube such that the vacuum tube will conduct sufficient current from the direct current source of potential to render the gas-filled tube non-conducting.

2,460,457
ORGANO-SUBSTITUTED SILOXANE POLYMERS
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 17, 1943, Serial No. 483,448
7 Claims. (Cl. 260—46.5)

1. An organo-polysiloxane comprising structural units which correspond to the empirical formulae SiO_2 and $RR'SiO$, respectively, where R and R' are monovalent hydrocarbon radicals attached to silicon through carbon-silicon linkages, said units being joined together through silicon-oxygen linkages and the silicon atoms of said units being the only silicon atoms in said siloxane.

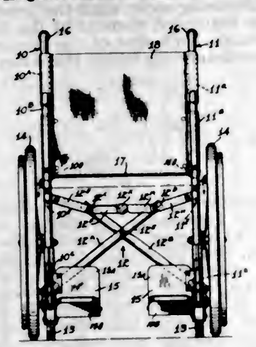
2,460,458
HEADBAND AND HOLDER FOR TELEPHONE RECEIVERS
Robert M. Kobrin, Chicago, Ill.
Application December 16, 1946, Serial No. 716,578
1 Claim. (Cl. 179—156)

A head band and holder for a telephone receiver formed of a single length of metal wire extending from one end briefly upwardly, then downwardly, inwardly and upwardly to form a curved longitudinal nest with a closed bottom and an open top, the wire beyond said net being bent at substantially right angles and extending upwardly, horizontally and downwardly, then reversed and extending upwardly, horizontally and downwardly to form a head band, the other end of the wire being then bent around itself above the nest portion, said head band adapted to removably engage the head of a user, said nest adapted to removably receive through its open top the ear piece of a telephone head set and removably hold in its closed bottom the ear piece so as to position the mouth of the telephone head set adjacent the user's mouth, so that the user may use the telephone head set without supporting the same with either hand.

2,460,459
FOLDING ARTICLE
Reinhold M. Kraska, Altadena, Calif., assignor, by mesne assignments, to Al R. Brooks, doing business as Aluminum Folding Crutch Company, Los Angeles, Calif.
Application March 13, 1947, Serial No. 734,352
4 Claims. (Cl. 155—140)

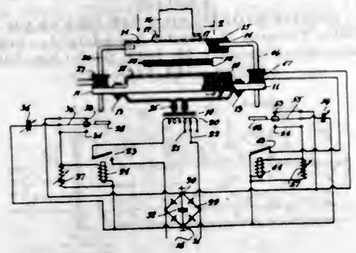
1. In folding articles of the character described, a pair of end frame members, a pivoted linkage

connecting said end frame members, said pivoted linkage including a pair of diagonal brace members, each having one of their ends pivotally connected to an adjacent end member and being pivotally connected at a point intermediate its ends to said other diagonal brace member, the other end of each diagonal brace member being pivotal-



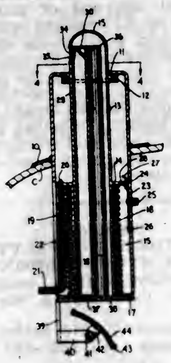
ly mounted on a respective pivot pin, a pair of link members each pivoted to a corresponding one of said pivot pins and also being pivotally mounted on the corresponding frame member, and a second pair of link members having their adjacent ends pin connected and their other ends pivotally connecting to a corresponding one of said pivot pins.

2,460,460
METHOD OF HEAT SEALING AND APPARATUS THEREFOR
Nicholas Langer, New York, N. Y.
Application January 15, 1945, Serial No. 572,882
17 Claims. (Cl. 154—42)



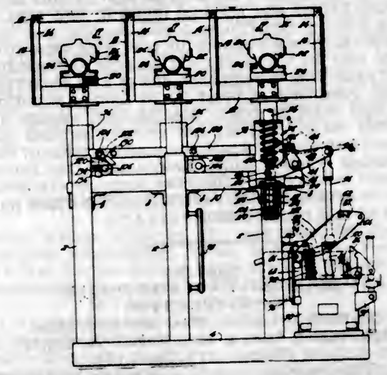
1. A machine for heatsealing thermoplastic sheets comprising in combination a pair of elongated pressure jaws having cooperating pressure surfaces, an electrically conducting directly heated heater element extending along one of said surfaces, means for displacing said jaws towards one another to apply pressure to a corresponding region of a pair of thermoplastic sheets interposed therebetween, and switching means responsive to displacement of said jaws into pressure applying position for connecting a source of current to said heater element for a predetermined period to heat said element and said interposed region of the sheets to heatsealing temperatures and for disconnecting said source from said element upon termination of said period and before releasing said pressure.

2,460,461
SPRING ACTUATED TELESCOPING PERISCOPE
Cordelia E. O. Larkin, St. Petersburg, Fla.
Application January 15, 1946, Serial No. 641,211
3 Claims. (Cl. 88—72)



1. A periscope for mounting on a vehicle comprising an elongated tubular casing, an inner end wall fixed to said casing, a tubular guide fixed to said wall and disposed concentrically within said casing, a tubular slide engaging said guide and projecting at one end from said casing, an annular flange fixed to said tubular slide within said casing, a spring in said casing between said inner end wall and said flange constantly urging said tubular slide to extended position, spring-pressed latch means engaging in said flange for locking said tubular slide in retracted position, an angled mirror in the upper portion of said tubular slide, a lens at the inner portion of said casing, and a second angled mirror carried by the inner end of said casing for reflecting the object viewed through said lens and said first mirror.

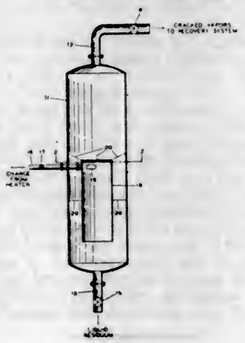
2,460,462
CIRCUIT CONTROLLER
Harry J. Lingal, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 16, 1945, Serial No. 578,209
5 Claims. (Cl. 200—153)



1. In a circuit interrupter, separable contact means, actuating mechanism for moving at least

one of said contact means relative to the other in at least one direction at high speed, means for abruptly halting said high-speed movement, freely movable rebound-preventing means positioned in the path of movement of a part movable with said mechanism and said one contact means at a point adjacent the end of said high-speed movement so as to be engaged with an impact by said part at said point in its opening movement to be moved beyond its movement with said part to a position where it is in the path of return movement of another part movable with said mechanism and one contact means, for momentarily positively blocking rebound of said movable contact means, and said rebound-preventing means being biased to occupy a non-blocking position at all other times.

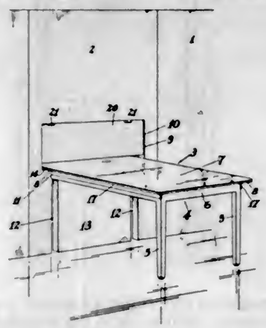
2,460,463
PROCESS FOR THE NONCATALYTIC CRACKING OF A HYDROCARBON OIL
John W. Loy, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 7, 1946, Serial No. 708,246
3 Claims. (Cl. 196—60)



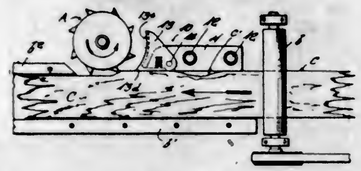
1. An improved method for noncatalytically cracking hydrocarbon oil which comprises in combination the steps of heating said oil to its cracking temperature; reducing the pressure on said oil, introducing said oil tangentially and at a relatively high velocity into a cylindrical separation zone which is closed at its top; rapidly separating vapors and residual liquid in said separation zone by centrifugal force; passing said separated products downwardly from said separation zone into an enlarged reaction zone surrounding and extending beyond each end of said separation zone; removing residual liquid from the bottom of said reaction zone; passing said vapors upwardly, at a relatively low velocity, around said separation zone and into the upper portion of said enlarged reaction zone; maintaining said vapors in said reaction zone for more complete cracking; and removing effluent vapors from the upper portion of said reaction zone.

2,460,464
BUILDING UNIT FOR HOUSE CONSTRUCTION
Richard F. Lufkin, West Medford, Mass.
Application April 4, 1945, Serial No. 586,487
2 Claims. (Cl. 20—1.11)

1. The combination with a partition of a dwelling house dividing one room from another, of a table presenting a body section with supporting legs and a top board element carried by the body portion and having its edges overhanging the sides of the body portion, said partition having an opening therethrough, the lower portion of which opening having a width sufficient to allow the body portion and legs of the table to pass therethrough and the upper portion of said opening being sufficiently wider than the lower portion to allow the top board element of the table to pass therethrough, each side of the opening presenting a horizontal edge where the wider upper portion and narrower lower portion meet, said horizontal edge being at a level just beneath the top board element of the table, a guiding roll rotatable about a horizontal axis mounted in the horizontal edge of each side of said opening, other guiding rolls rotatable about vertical axes mounted at the upper part of the sides of the narrower portion of said opening, the overhanging edges of the top board element having tracks to engage the horizontal guide rollers and the sides of the body section having tracks to engage the vertical guide rollers.

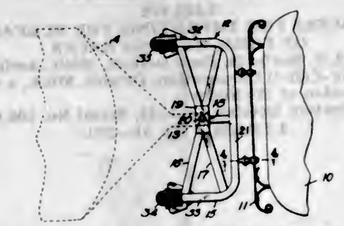


2,460,465
INSIDE SIDEHEAD CHIP BREAKER
Milo Thomas McBryde, Arkadelphia, Ark.
Application February 17, 1947, Serial No. 728,995
1 Claim. (Cl. 144—243)



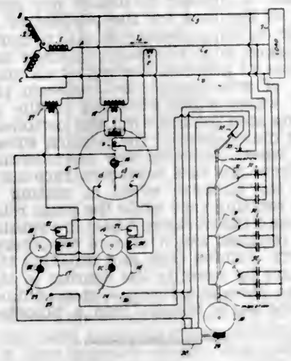
In a planing machine of the type wherein a cutter is mounted for cutting the side edges of lumber moving thereby, a frame along which the lumber moves to the cutter, a guide member secured to the frame forwardly of and on the same side as the cutter and in substantially parallel relation to the side edge of the lumber, a nose element adapted to encompass the forward end of the guide, a vertical pivot connection between the nose element and the guide, said guide member being provided with a recess forwardly of the pivot connection, and spring means having one end seated in said recess while the opposite end bears against said nose element to maintain the nose element against the side edge of the lumber to follow the contour thereof as the lumber moves toward the cutter.

2,460,466
TRAILER DOLLY
James Elliott Nogle, Jacksonville Beach, Fla.
Application February 4, 1946, Serial No. 645,274
1 Claim. (Cl. 280—33.4)



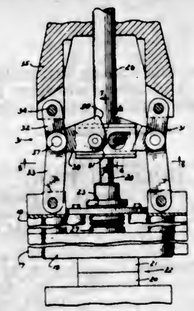
In combination with a trailer vehicle and a draft vehicle, a dolly for connecting the trailer and draft vehicles and for supporting the forward end of the former, said dolly including a substantially U-shaped, rearwardly opening frame, wheels supporting the dolly and swivelly connected to the rearwardly extending ends of the frame, the intermediate portion of the frame being disposed transversely thereof and being provided with forwardly projecting bracket arms, clamps detachably connected to the rear bumper of the draft vehicle and each having a rearwardly projecting bracket arm pivotally connected to one of said forwardly projecting bracket arms, crossed braces connecting the rearwardly extending ends of the frame, a brace connecting the intermediate frame portion to the crossed portions of the cross braces, and a reinforcing plate secured to said crossed portions of the first mentioned braces and having an upstanding coupling element for engagement with the trailer vehicle.

2,460,467
SYSTEM OF CONTROLLING ELECTRIC LINES
Rolland D. Nelson, Hales Corners, and Edwin A. Link, South Milwaukee, Wis., assignors to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Application August 16, 1944, Serial No. 549,774
7 Claims. (Cl. 323—105)



1. A system of control for an electric power line comprising means for varying the capacity of said power line, and a relay having a member movable in opposite directions to increase and decrease, respectively, the effect of said means on said power line, said relay being arranged to respond to the wattless component of the current in said power line and said member being movable in one direction for a lagging wattless component and in the other direction for a leading wattless component.

2,460,468
MOLDING MACHINE FOR PLASTICS AND OTHER MOLDABLE MATERIALS
William S. Renier, Fond du Lac, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a corporation of Wisconsin
Application May 6, 1947, Serial No. 746,242
7 Claims. (Cl. 18—30)

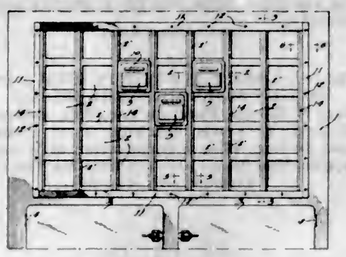


1. In a machine for molding plastics or other moldable material, a supporting frame, a first plate carried by said frame for supporting part of a die, a second plate movably carried by said frame for supporting the other part of the die, toggle joint mechanism connecting said movable die plate to said frame, a cylinder carried by said frame and having a fluid pressure operated piston therein and having a piston rod projecting therefrom, a heating cylinder carried by said movable die plate having a chamber for receiving plastic material and having a nozzle portion for directing plastic material in plasticized condition into said die, an injection plunger connected to said piston rod and movable into and out of said heating cylinder, and connecting means between said piston rod and toggle joint mechanism for causing opening and closing movements of said movable die plate in response to movement of said piston rod, said connecting means including means for maintaining a die closing pressure while said injection plunger finishes its forward stroke, and having an operative connection with said piston rod which is pivotally fixed during said opening and closing movements of said movable die plate and which is released for lateral lost motion movement while said last mentioned means is operative.

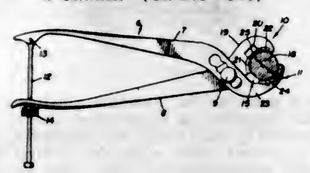
2,460,469
REFRIGERATOR HAVING A DOOR HEATING DEVICE
Milton Rifkin, Chicago, Ill., and Myer Stephen Sutton, Minneapolis, Minn., assignors to Frez-O-Mat Corporation, a corporation of Illinois
Application December 7, 1946, Serial No. 714,846
10 Claims. (Cl. 62—89)

1. In a refrigerated cabinet having an opening in a wall thereof and a door comprising a closure for said opening, means for heating said door which comprises a plurality of conduits bordering a portion of said door, an electric heating element for heating the air within, and the

walls of said conduits, said conduits being provided with transverse apertures through which the heated air from said conduits is directed toward said door, and means thermally connecting said conduits and door whereby heat is conducted from the conduit walls to the door.

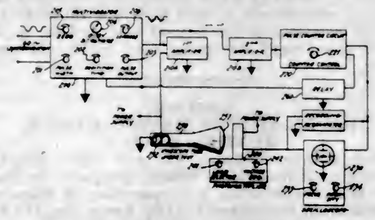


2,460,470
HOLDING TOOL
Samuel Perry Rogers, El Paso, Tex.
Application November 27, 1946, Serial No. 712,593
2 Claims. (Cl. 128—346)



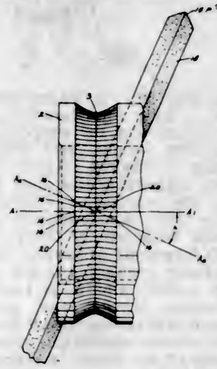
1. A bone clamping instrument comprising pivoted handles having at their forward extremities opposed clamping jaws for engaging the opposite surfaces of a bone to hold fractured parts thereof together, one of said jaws being provided with a through way slot extending outwardly from its clamping face for the reception of a fracture splicing plate.

2,460,471
METHOD AND APPARATUS FOR MEASURING PERSISTENCE SCREEN CHARACTERISTICS
Otto Heinrich Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 7, 1945, Serial No. 633,492
17 Claims. (Cl. 315—364)



1. In an apparatus for measuring the light output characteristics of a luminescent screen, means for reducing said screen to a predetermined energy level, means for applying to said screen light producing excitations of predetermined intensity, duration, number, and spacing, means for detecting the light output due to said excitations, and means for recording the signals generated by said light output detecting means.

2,460,472
PROCESS FOR IMPROVING THE SURFACE OF FORM GROUND RACES
Harold N. Seyferth, East Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application October 13, 1943, Serial No. 506,046
4 Claims. (Cl. 51—291)

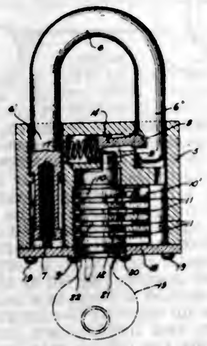


1. The process of preparing a ball bearing raceway which includes the steps of generating the ball contacted raceway surface as a surface of revolution substantially to its final form and dimensions by rotating the race about its working axis in fixed position and in cutting contact with a grinding wheel of complemental peripheral form in its axial plane and rotated about its axis while supported in fixed position parallel to the race axis, generating the form of the periphery of a deformable pattern wheel by rotating the same with its periphery in contact with the ball contacted raceway surface the race being rotated about its axis in fixed position and the pattern wheel being rotated about its axis in fixed position which is neither co-planar nor parallel to the axis of the race for the purpose of forming a contour on the periphery of said pattern wheel which makes, with the ball contacted race surface, a line of grinding contact at an angle with the line of grinding contact between race and grinding wheel which obtained in the raceway generating step, reproducing the peripheral contour and dimensions of the pattern wheel in an abrasive wheel, reducing any protuberant aberrations from the ball contacted race surface by rotating the abrasive wheel in cutting contact with the rotating race while the axial relation of the race and the abrasive wheel are substantially like the relation which existed therebetween in the pattern forming step, and finishing the raceway surface by running the bearing in the presence of an abradant during a step of finally adjusting the parts thereof into a predetermined relation.

2,460,473
CATHETER
Minton Larkin Smith, Savannah, Ga.
Application December 17, 1945, Serial No. 635,528
17 Claims. (Cl. 128—349)

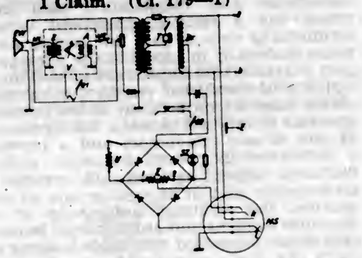
1. A catheter, comprising an outer flexible tube having a closed outer end; an inner tube within the outer tube discharging through the outer end of the outer tube, said inner tube having an inlet in the side of the outer tube adjacent its outer end, and said outer tube having recesses in its sides extending to its outer end having throats communicating with the bore of the outer tube around the inner tube.

2,460,474
PLUG RETAINING PLATE FOR LOCK CYLINDERS
Harry E. Soref and Daniel J. Foote, Milwaukee, Wis., assignors to Master Lock Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 18, 1947, Serial No. 761,862
4 Claims. (Cl. 70—367)



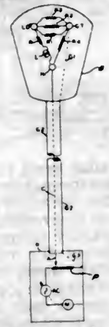
1. In a lock having a casing with a cavity therein which opens through an end of the casing, a pin shell non-rotatably mounted in said cavity, a plug turnable within said shell, means connecting the shell and plug as a unit and permitting slight longitudinal movement of the shell relative to the plug, and an apertured plate secured to said end of the casing and engaging the outer end of the plug to hold it against longitudinal movement while permitting slight longitudinal movement of the shell within said cavity.

2,460,475
ARRANGEMENT FOR CHANGING OVER THE SPEAKING DIRECTION IN LOUD-SPEAKER DUPLEX SYSTEMS
Otto Tschumi, Soleure, Switzerland, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application May 12, 1944, Serial No. 535,297
In Switzerland December 4, 1942
1 Claim. (Cl. 179—1)



In a loud speaker duplex system comprising several subscribers stations, an arrangement for changing over the speaking direction including a transducer and a dial in each of said subscriber's stations, dial contacts operated by the dial, a relay arrangement, a battery, contacts for connecting a subscriber station, contacts for changing over the speaking direction, a rectifier arrangement, a bridge relay in said rectifier arrangement operating said contacts for connecting a subscriber station, a shunt relay shunting a part of said rectifier arrangement and operating said contacts for changing over the speaking direction, the whole rectifier arrangement being connected in series, on one hand, with firstly one of said dial contacts, and on the other hand with one of said contacts for inserting a subscriber station, said relay arrangement being also connected alternately to the two poles of said battery.

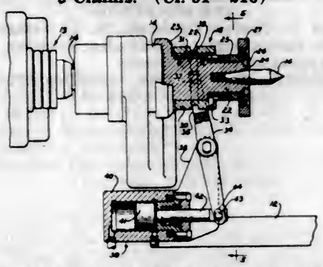
2,460,476
HIGH-FREQUENCY POTENTIAL DIVIDING TERMINATION
Howard J. Tyzzer, Caldwell, N. J., assignor to Ferris Instrument Laboratories, Boonton, N. J., a corporation of New Jersey
Application May 26, 1944, Serial No. 537,509
5 Claims. (Cl. 178—44)



1. In an electrical system for transmitting electrical alternating currents for the purpose of remotely developing therewith electrical alternating potentials from which to abstract working potentials considerably lower in value, in which system the frequencies are so high that the in-

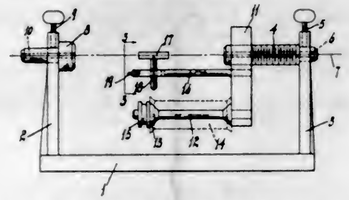
herent distributed inductances of the potential-developing elements necessary thereto must be taken into account in order that the developed working potentials may be sufficiently dependable for said purpose: the combination of a double conductor transmission line terminated by an impedance that remains substantially equal to the characteristic impedance of said line which also has substantially uniform distribution of its inductance and capacitance, said impedance comprising a resistor interposed between the terminating ends of said line having an ohmage value materially in excess of the ohmage value of said characteristic impedance of said line, a multiplicity of paralleled resistances having appreciable inherent inductance at the operating frequencies interposed between the terminating end of one of said conductors and a terminal; and a resistance interposed in series with an inductance element between said terminal and the terminating end of the other one of said conductors, the resultant inductance of said inductance element and any inherent inductance in said series-connected resistance bearing substantially the same ratio to the resultant inherent inductance of said parallel resistances as the ratio of said series-connected resistance to the resultant resistance of said paralleled resistances, and the summed up impedance of said paralleled resistances and the resistance in series with the inductance element being such that in parallel with the resistance interposed between the terminating ends of said conductors it establishes an impedance therebetween approximately equal to said characteristic impedance of said line, whereby the potentials developed across said paralleled resistances can be put to work without materially upsetting the required termination of said transmission line.

2,460,477
INDEXING HEAD
Carl B. Wallman, Birmingham, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application November 15, 1946, Serial No. 710,005
9 Claims. (Cl. 51—216)



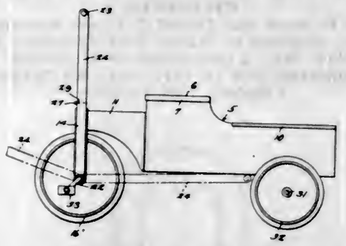
6. A rotary indexing head comprising in combination with a reciprocatory carriage and a spindle mounted for rotation on said carriage and for translation therewith, two telescoping sleeve elements coaxially mounted on said spindle and interconnected for relative rotary adjustment step-by-step upon relative axial reciprocation therebetween in opposite directions, and for joint rotation in each position of rotary adjustment, one of said elements being rotatable on said spindle and the other of said elements being splined for axial sliding movement on said spindle, and means operable in response to each movement of said carriage into a predetermined position to effect a relative reciprocation between said elements.

2,460,478
SPLICE WRAPPER
Milton W. Warner, Long Beach, Calif.
Application December 9, 1946, Serial No. 715,034
3 Claims. (Cl. 242—7)



1. A splice wrapper comprising a base, a threaded post mounted at one end of said base, said post having a hole extending therethrough, and through which the line to be spliced passes, a guide pin at the other end of said base, said guide pin having a hole extending therethrough, and through which the line passes, a block threaded on said post and adapted to move longitudinally of the post as said block is swung around the post, a spool mounted on said block, and guide means on the block for the thread on the spool.

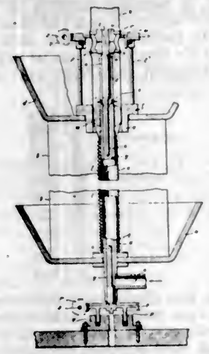
2,460,479
CHILD'S VEHICLE
William N. Wheeler, Paris, Ky.
Application June 25, 1946, Serial No. 679,162
2 Claims. (Cl. 280—7.17)



1. A vehicle of the type described, comprising a body, front and rear supporting wheels for the body, a fork in which the front wheel is mounted, a plate secured to the fork, a rear flange formed on the plate, a lip extending upwardly and forwardly from the front edge of the plate, a pivoted tongue including a fork fitted over the first mentioned fork, said tongue adapted to swing from a horizontal position to a vertical position, a pivoted latch member carried by the fork of the tongue and adapted to move to a position in contact with the lip securing the tongue in its vertical position, and handle bars carried by the tongue whereby the tongue may be operated to guide the vehicle.

2,460,480
METHOD OF AND APPARATUS FOR PRODUCING ARTIFICIAL SAUSAGE SKINS
Julius Wolff, Amstenrade, Netherlands; vested in the Attorney General of the United States
Application December 2, 1941, Serial No. 421,396
In Germany January 10, 1939
7 Claims. (Cl. 117—94)

1. That method of coating tubular fabrics with a fibrous mass of impregnating material, the steps of which comprise applying said mass to the outer and inner surfaces of a tubular fabric, and then advancing said tubular fabric along the longitudinal axis thereof while wiping the fibres in the applied mass on said inner and outer surfaces respectively at intersecting angles.

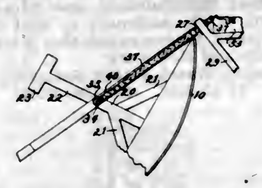


5. A device for producing impregnated tubular sausage skins and the like, comprising means for supplying an impregnating mass to the outer surface of said tubular skin, an outer wiper member for wipingly contacting said outer surface and the applied mass, means for mounting said wiper for rotation circumferentially about said tubular skin, means for supplying said mass to the inner surface of said tubular skin, an inner wiper member, means for mounting said inner wiper for circumferential rotation within the tubular skin at a point substantially opposite said outer wiper member, said inner wiper member adapted to wipingly contact said inner surface and the applied mass, means for supporting said skin for movement along the longitudinal axis thereof, and means individual to said wipers for rotating the latter during the longitudinal movement of said skin.

2,460,481
DRILL PIPE CLEANER
Logan F. Abel, Marlow, Okla., assignor of one-third to Charles P. McKinney and one-third to J. C. Barnard, both of Marlow, Okla.
Application May 27, 1947, Serial No. 750,747
3 Claims. (Cl. 166—18)

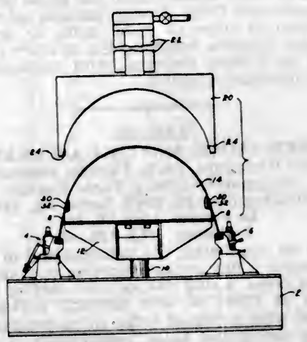
1. A drill pipe cleaning device comprising a weighted plunger member adapted to be inserted in a drill pipe, an inflatable bag member, means for securing the bottom end of the bag member to the top end of the plunger member substantially axially of both members, means in the top wall of said bag member for inflating the bag member, and a relief valve in said bag member for preventing the pressure in the bag member from rising above a predetermined value, the bottom end of the bag member being downwardly tapered.

2,460,482
SOLAR HEAT COLLECTOR
Charles Greeley Abbot, Washington, D. C.
Application February 20, 1945, Serial No. 578,806
6 Claims. (Cl. 126—271)



1. In a solar heat collector, in combination with a paraboloidal mirror, a heat receiver including a globe of material highly transmissible to heat rays disposed at the focus of said mirror and a tube communicating therewith, said globe and tube being filled with a highly ray-absorbing high boiling-point liquid, and a second globe and communicating tube surrounding but spaced from said first globe and tube, said second globe being formed of transparent material, said second tube being sealed hermetically to said first tube at the end of said second tube opposite its globe and the space between said globes and tubes being highly evacuated, said tubes having their opposed walls plated with reflecting metal, and a heat exchanger in communication with said first-named tube.

2,460,483
CUTTING MEANS FOR METAL STRETCHING DIES
Henry A. Berliner, Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application March 27, 1945, Serial No. 585,116
2 Claims. (Cl. 153—2)



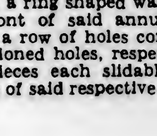
1. In combination with a sheet metal stretching machine of the type comprising spaced fixed

said elements.

a fibrous mass of impregnating material, the

means for anchoring the edges of a piece of sheet metal and vertically movable means therebetween having a convex upper surface adapted to be forced against the free intermediate part of the sheet metal to shape the same, vertically movable means above said convex surface having a concave lower surface, cutting means extending inwardly from said concave surface for cutting a free edge of the finished and shaped sheet, and means for forcing said upper vertically movable means and said cutting means downwardly against said convex surface to cut the sheet formed thereon.

2,460,484
ELECTRODE UNIT ASSEMBLY
Fred H. Best, Mountainside, and John R. Pierce, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1948, Serial No. 13,256
10 Claims. (Cl. 250—27.5)



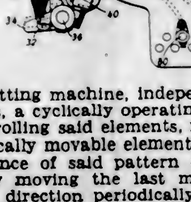
1. A unitary electrode assembly for electron discharge devices, comprising a metallic body of box-like configuration, flange extensions projecting from oppositely disposed surfaces of said body, a plurality of insulating rods in contact with said extensions and the adjacent surfaces of said body forming spacers in relation to the main surfaces of said body, and a winding having spaced turns encompassing said body and rods and supported by said rods.

2,460,485
FLEXIBLE WRINKLE COATED MATERIAL AND METHOD OF PRODUCING SAME
Nathan T. Beynon, Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del., a corporation of Delaware
No Drawing. Original application March 21, 1946, Serial No. 656,173. Divided and this application May 21, 1948, Serial No. 28,530
11 Claims. (Cl. 117—41)

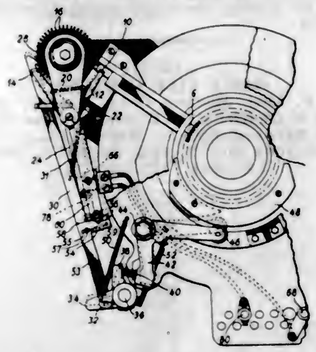
1. The method of manufacturing flexible, wrinkle-coated materials comprising the steps of mixing at room temperature 100 parts by weight of unsaturated fatty oil with varnish solvent and a solution of from 10 to 50 parts by weight of polyvinyl chloride, applying the mixture thus obtained to a base material, and subjecting the coated material to drying.

2,460,486
ALARM CLOCK AND LIKE APPARATUS
Henri Blampain, Paris, France, assignor to Salomon Goldberg, Paris, France
Application May 17, 1947, Serial No. 748,748
In France April 28, 1947
5 Claims. (Cl. 161—6)

1. In an apparatus, the combination of a support having a flat annular portion provided with a row of holes, a ring shaped wall carried by said support in front of said annular portion also provided with a row of holes corresponding with the first mentioned holes, respectively, a plurality of push-pieces each slidable in two corresponding holes of said respective rows, each push-piece being provided in the part thereof normally located between said two holes with a notch adapted to engage on the adjacent edge of the corresponding hole of the first mentioned row, a spring plate fixed to said push-piece transversely thereto and extending radially with respect to said support, a housing formed in said support for slidably accommodating the inner end of said spring plate to guide it radially, said spring being so shaped, in its free state, as to urge said push-piece frontwardly in said holes and to urge pivoting thereof in the direction corresponding to engagement of said notch on said edge of the corresponding hole of the first row, and an annular disc carried by said support between the flat annular portion thereof and the front ring-shaped wall carried by it, said disc being so positioned and dimensioned to limit frontward displacements of said push-piece under the action of said spring plate to a position of rest and to limit pivoting displacements of said push-piece under the action of said spring for engagement of said notch on said edge.



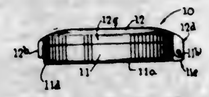
2,460,487
KNITTING MACHINE PATTERN MECHANISM
Paul W. Bristow, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application April 21, 1947, Serial No. 742,905
5 Claims. (Cl. 66—50)



1. In a knitting machine, independently movable elements, a cyclically operating pattern device for controlling said elements, means including a periodically movable element for the step-by-step advance of said pattern device, means for positively moving the last mentioned element in one direction periodically, yielding return means for the last mentioned element, and a member movable to a plurality of alternative positions in which it is located in the path of said periodically movable element to prevent its return and so interrupt advance of said pattern device.

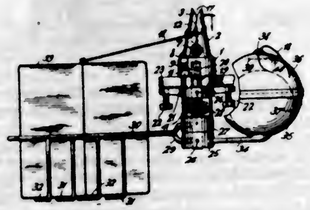
weighted plunger member adapted to be

2,460,488
MOLDED PLASTIC CONTAINER HAVING HINGED COVER
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J., a corporation of New Jersey
Application May 6, 1948, Serial No. 25,452
4 Claims. (Cl. 220—31)



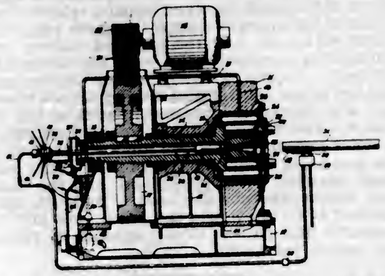
1. A portable cosmetic box formed of molded plastic comprising a receiver portion having a flat bottom side and an upstanding peripheral wall terminating in a plane parallel to said bottom side, said peripheral wall provided with a rim cutback rabbet and a protuberance outwardly extending from the exterior thereof, a box-like hinge anchoring structure integrally formed to extend outward of the exterior of said peripheral wall opposite to said protuberance having oppositely projecting aligned bosses spaced from said wall and said wall rim rabbet, a cover closure fitted to said receptacle portion formed with a rim cutback rabbet shaped and sized to seat on said wall rim rabbet, a tab integrally formed with said cover closure to extend therefrom in an overlying relation with respect to said wall having a recess positioned to receive and yieldably interlock with said protuberance, a yoke shaped hinge portion integrally formed to extend outwardly of the exterior of said cover closure opposite said tab, said yoke portion having parallelly spaced apart members fitted against said box-like structure provided with aligned openings with which said bosses trunnion so constructed and arranged that a slight resilient stretch in said members is provided when the recess of the locking tab is snapped over the protuberance for clamping the cover closure in a closed position on the receiver portion.

2,460,489
KNOT TYING DEVICE
David Burkard, Geneva, Switzerland, assignor to Kobler & Co., Zurich, Switzerland
Application March 7, 1945, Serial No. 581,488
In Switzerland May 12, 1944
7 Claims. (Cl. 289—2)



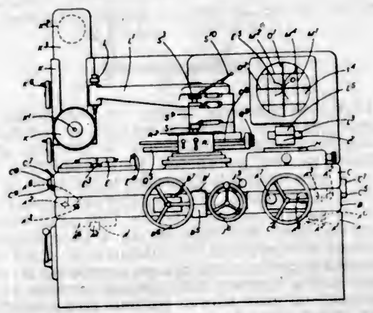
1. A device for tying knots in twine or the like, comprising a knotting plug, a base therefor, said plug including a fixed part rigid with the base and at least a movably mounted part, means for yieldingly applying said movable part against the fixed part, a cutting means for the twine disposed between said fixed and movable parts of the plug, and braking means for the twine formed between said parts of the plug applied against each other.

2,460,490
TUBE WORKING APPARATUS
Mark Frederic Cook, Mulberry, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1944, Serial No. 535,695
6 Claims. (Cl. 78—21)



5. In rotary swaging apparatus, in combination, a plurality of radially reciprocable dies adapted to swage tubular work, a rotary die head carrying said die, a hollow drive shaft for said die head, means for driving said shaft, means for impacting said dies against said work upon rotation of said die head, means for supplying fluid lubricant to said dies, a casing at the end of said shaft remote from said dies, means for flowing air in a stream inwardly past said dies and through said hollow shaft to withdraw lubricant given off from said dies, said air and withdrawn lubricant discharging from said shaft into said casing, for expansion of the air therein and separation of lubricant from the air, a plurality of annular baffle members rotatable with said shaft and arranged coaxially thereof at either side of the front wall of said casing in spaced relation thereto, to form a tortuous path outlet for escape of the said air from said casing, and an outlet for draining lubricant from the lower part of said casing.

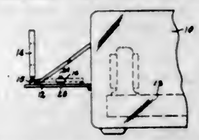
2,460,491
COPYING MACHINE WITH OPTICAL SYSTEM
Ernest Albert Cooke, Leicester, England, assignor to Taylor, Taylor & Hobson Limited, Leicester, England, a company of Great Britain
Application September 21, 1944, Serial No. 555,180
In Great Britain July 19, 1943
39 Claims. (Cl. 51—165)



1. A copying machine comprising a supporting base, a main carriage on the base, means for translationally adjusting the main carriage rela-

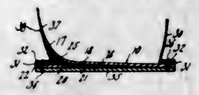
tively to the base, a support for a tool on said base, a datum on the base in spaced relation with respect to the tool, a rotary work support carried by the main carriage adjacent to the tool, a rotary copy support carried by the main carriage adjacent to the datum, a rotary control support carried by the main carriage translational adjustment of the main carriage causing relative translational movement between the three rotary supports, as a unit, and the tool and datum, interconnecting mechanism between the three rotary supports, means whereby rotary movement is applied to the control support and thence through the said interconnecting mechanism to the work support and control support in synchronism, the relative movement between the work support and the tool being a reproduction of the relative movement between the copy support and the datum, and means whereby the control support can be coupled to or uncoupled from the work and copy supports, and can be locked against, or released for, rotary movement, at will.

2,460,492
LOOP INDUCTANCE COMPENSATOR
Stanley Cutler and Norton Wiener, Los Angeles, Calif., assignors to Hoffman Radio Corporation, a corporation of California
Application October 30, 1946, Serial No. 706,668
4 Claims. (Cl. 250—33.67)



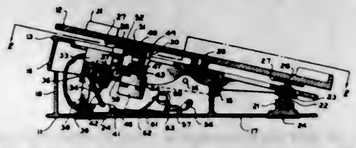
1. In combination with a loop antenna of the type mounted for movement on a support between two operative positions in which its inductance is different, compensating means comprising a slab of magnetic material secured to said support in such a position as to lie substantially within the turns of said loop antenna when the latter is in one of its operative positions.

2,460,493
SHOE WITH INNERSOLE PROVIDING ARCH SUPPORTING FLAP
Fred J. Diamant, New York, N. Y.
Application May 11, 1945, Serial No. 593,121
5 Claims. (Cl. 36—8.5)



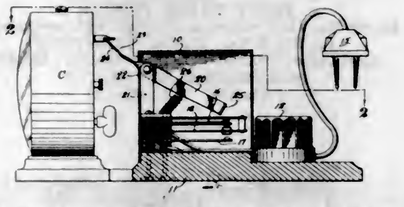
1. A shoe innersole having toe, shank and heel portions and a stitching margin of substantial width and uniform thickness around its entire periphery, and a tapered flap projecting outwardly and upwardly from the inner edge of said stitching margin at the inside of said shank portion to form a support for the foot arch integral with the sole, said flap having a base thickness substantially equal to the thickness of said innersole and tapering in thickness outwardly from its base; and a tapered sole member secured to the underside of said shank portion and underlying only said flap and a part of said shank portion, the outer edge of said member providing a continuation of said uniformly thick stitching margin along the inside of said shank portion.

2,460,494
FOOT PEDAL CONTROL RHEOSTAT
Ben Eisenberg, Larchmont, and Otto B. Schwarz, New York, N. Y., assignors to Lektra Laboratories, Inc., a corporation of New York
Application July 13, 1946, Serial No. 683,494
4 Claims. (Cl. 201—48)



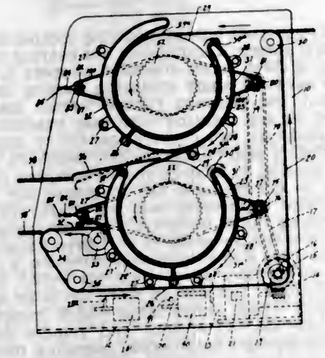
1. A foot pedal control for musical instruments or the like comprising a base, a rocker pivotally mounted on said base for vertical rotation about a substantially horizontal axis, a pedal pivotally mounted on said rocker for lateral rotation about an axis perpendicular to said horizontal axis, a first variable resistance device carried by said rocker and having a control shaft, a first pinion fixed to said control shaft, a linear rack pivotally connected at one end to said base and engaging said pinion, a first spring urging said rack toward said pinion, a second variable resistance device carried by said rocker and having a control shaft, a second pinion fixed to said latter control shaft, a second linear rack pivotally mounted at its center to said pedal, and a bowed spring fixed to said pedal and urging said rack into engagement with said pinion, said spring having its maximum bow opposite said second pinion, whereby lateral adjustment of said pedal about said perpendicular axis adjusts said second resistance device and vertical adjustment of said pedal about said horizontal axis adjusts said first resistance device.

2,460,495
RELEASABLE LEVER OPERATED SWITCH
Charles E. Elrick, Frostburg, Md.
Application May 10, 1946, Serial No. 668,706
1 Claim. (Cl. 200—35)



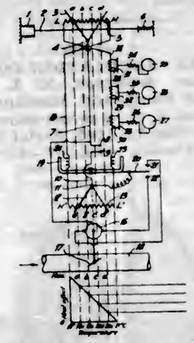
A switch comprising a base, a first pair of parallely spaced horizontal spring leaves serving as relatively stationary contacts, a second pair of parallely spaced horizontal spring leaves serving as a switch arm, one of said second pair of spring leaves being positioned between the spring leaves of the first pair and the other of said second pair of spring leaves being positioned above and normally spaced from the upper spring leaf of the first pair, insulated means supportably engaging the inner ends of all of said leaves and insulating the same from each other, the outer ends of said second pair of leaves extending outwardly beyond the outer ends of said first pair of leaves, an insulated spacing block connected to and between the outer ends of said second pair of leaves whereby upon upward or downward movement of said second pair of leaves move in unison, contact point means on the lower leaf of said second pair exposed above and below said lower leaf for engagement with the outer ends of the leaves of said first pair, said contact point means being normally engaged with the outer end of the upper leaf of said first pair, a bracket rising from said base to a level above said pairs of leaves adjacent to the inner ends thereof, an actuating lever pivoted intermediate its ends on an upper part of said bracket providing a first arm having a portion overlying the upper leaf of said switch arm and a second arm, releasable holding means adjacent said second arm holding said lever positioned with said first arm spaced above said switch arm, and spring means operating between said first arm of said actuating lever and said bracket to bias said first arm downwardly to engage and depress the upper leaf of said switch arm and depress said switch arm so as to disengage said contact point means from the upper contact leaf of said first pair and engage said contact point means with the lower contact leaf of said first pair when said holding means is withdrawn from holding engagement with said second actuating lever arm.

2,460,496
FLATWORK IRONER
Harry D. Forse, Anderson, Ind.
Original application March 1, 1939, Serial No. 259,223. Divided and this application September 29, 1944, Serial No. 556,372
4 Claims. (Cl. 38—4)



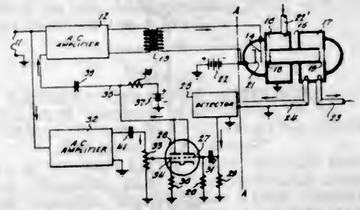
1. In a mangling machine the combination of a plurality of adjacent chests, each having a concave, arcuate sectioned ironing face, a cylinder rotatable in each chest, means for heating each chest, an endless work supporting element between each chest and cylinder and engaged by the latter for presenting the work to the heated arcuate ironing face of the chest, said element passing successively from an upper chest directly to the next lower chest, the exterior of the upper chest being disposed immediately contiguous to the chest exposed portion of next adjacent cylinder for preventing unintentional work displacement from the element between successive chests, means for moving the element and work through the chests, and work discharging means positioned between a pair of adjacent chests and having a portion thereof adjacent said work supporting element when in operative position for work removal when lower chest ironing is not desired, said portion being movable into non-removing position to permit lower chest ironing when desired.

2,460,497
AUTOMATIC REGULATING SYSTEM
Nils Pontus Wilhelm Frisk and Anders Georg Wilhelm Hernqvist, Stockholm, Sweden
Application January 15, 1946, Serial No. 641,386
In Sweden January 22, 1945
7 Claims. (Cl. 318—29)



1. A regulating system of the class specified in which a variation of a quantity or quantities influencing a value to be regulated effects a proportional variation in the reverse sense of the quantity to be regulated, comprising in combination, a regulating member for controlling said last-mentioned quantity, a motor for operating said regulating member, an electric driving circuit for said motor, another electric circuit for controlling the driving circuit of the motor, resistances inserted in said other circuit, relays for short-circuiting said resistances under the control of said first-mentioned quantities influencing the value to be regulated, a feeling member responsive to variations of the value to be regulated for controlling the circuit containing said resistances, the arrangement being such that the resistances are short-circuited when the respective controlling quantities are out of action, but are cut in for changing the state of the circuit containing the resistances when the controlling quantities are brought to activity.

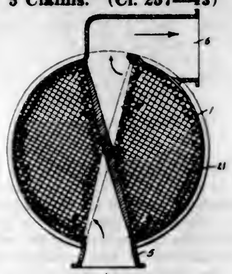
2,460,498
MODULATION CONTROL APPARATUS
Edward L. Ginzton, Wantagh, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application March 15, 1943, Serial No. 479,293
11 Claims. (Cl. 315—6)



8. High frequency apparatus comprising means for producing an electron beam, a first resonator adapted to be coupled to said beam, a second resonator adapted to be coupled to said beam, means coupled to said first resonator for supplying thereto a high frequency excitation voltage for modifying the electron velocity of said beam, a

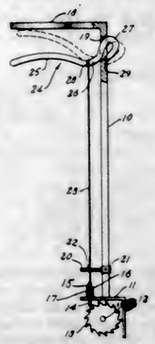
source of signal voltage, means operative on said beam and coupled to said source for causing the amplitude thereof to vary in relation with said signal voltage, and means coupled to said source and to said last-named means, and responsive to amplitude variations of said beam, for modifying the variation of beam amplitude in relation to said signal voltage.

2,460,499
REVERSIBLE CIRCULATION CONDENSER
John F. Grace, Arlington, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application July 16, 1945, Serial No. 605,413
5 Claims. (Cl. 257—43)



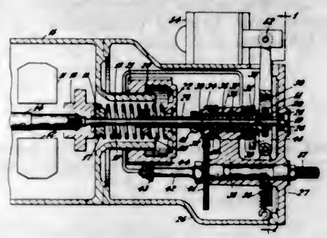
1. In a condenser having a shell with a multiplicity of horizontal tubes, a water box at each end of the shell in communication with the tubes, each of the water boxes having an inlet at the bottom and an outlet at the top, a movable diametral partition having fluid tight engagement with the inner wall of the water box pivotally mounted in the center of each water box, said partitions being inclined in opposite directions with respect to the lines through the centers of their respective inlets and outlets whereby the inlet of each water box is connected to the outlet of the other but is prevented by the diametral partition from having communication with the outlet in its own waterbox.

2,460,500
LEVER HANDLE
James R. Hall, Hammon, Okla.
Application April 11, 1947, Serial No. 740,889
3 Claims. (Cl. 74—537)



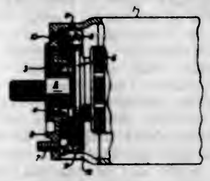
1. The combination with a stationary shaft, a ratchet wheel fixedly carried by said shaft, a main lever provided with a rectangular slot rotatably mounted on said shaft, and a spring-biased dog in engagement with said ratchet wheel, of a handle operatively connected to said spring-biased dog, said handle comprising a grip portion and a substantially oval pivot head, said head extending through the rectangular slot of the main lever and engaging the opposite edges of said slot under the biasing action of the spring of said dog.

2,460,501
SPEED CONTROL GEAR OF PRIME MOVERS
George Hallewell, Stamford, England, assignor to Blackstone & Company Limited, Stamford, England, a British company
Application July 17, 1944, Serial No. 545,311
In Great Britain May 21, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires May 21, 1963
5 Claims. (Cl. 264—3)



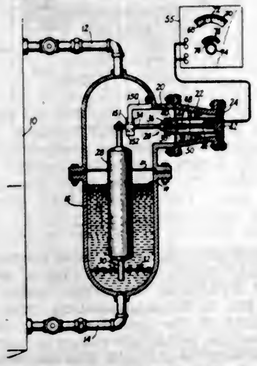
1. In governor control gear the combination of a control spring, a shouldered nut bearing on said spring, a fixed screw-threaded support for said nut, a governor shaft extension passing through said nut, two opposed friction clutch members carried on and rotating with said extension beyond said nut, two cooperating clutch members surrounding said friction clutch members, a lay-shaft parallel to said extension carrying driving means to engage said nut to rotate the same, gear trains connecting said lay-shaft with said cooperating clutch members, one train being such as to drive the lay-shaft in one direction and the other to drive it in the opposite direction, a clutch operating member operatively connected to said friction clutch members to move the same and so determine which cooperating clutch member is driven by said extension, and remote control means to operate said clutch operating member.

2,460,502
GENERATOR MOUNTING FLANGE
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application July 18, 1946, Serial No. 684,629
3 Claims. (Cl. 171—252)



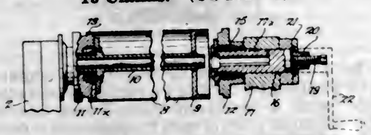
1. In a machine adapted to be releasably mounted on and driven from a pulsating power source, a housing shell and a drive shaft housed therein, said shell having at it one end an integral radially inwardly extending centrally apertured flange for supporting the bearings for said drive shaft and constituting the mounting base for releasably securing the machine to said power source, said flange being apertured to receive mounting bolts extending outwardly from said shell, said shell having windows to permit access to the interior of said shell for insertion and tightening of said bolts.

2,460,503
APPARATUS FOR MEASURING LIQUID LEVEL OR SPECIFIC GRAVITY
Wilfred H. Howe, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application February 26, 1945, Serial No. 579,721
6 Claims. (Cl. 73—33)



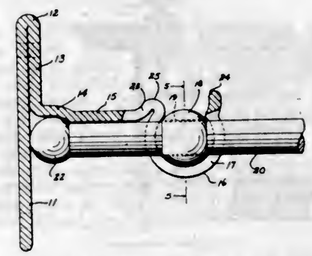
2. In apparatus for measuring the buoyancy of a float at least partially immersed in a liquid as a measure of a characteristic of said liquid such as specific gravity and liquid level, in combination, a flexure member having one end fixed to a rigid support and connected at its other end to said float whereby variations in the force exerted by said float in response to variations in the value of said characteristic flex said flexure member, a resistance element connected to spaced points on said flexure member to cause said element to be strained and its electrical resistance thereby varied as said flexure member is flexed, a closed flexible protecting tube surrounding said flexure member and said resistance element to protect said flexure member and resistance element from said liquid and its vapor, and means responsive to the electrical resistance of said element for indicating the value of said characteristic of said liquid.

2,460,504
PRINTING APPARATUS
William C. Huebner, New York, N. Y.
Application October 24, 1944, Serial No. 560,136
13 Claims. (Cl. 101—1)



1. In a printing press having a rotary cylinder, a main frame, and cylinder supports on said frame at opposite ends of the cylinder one of which drives the cylinder, the improved construction comprising means detachably connecting said cylinder at one end with said driving support, a bearing block shiftable in a guideway in said frame from a supporting position axially opposite the other end of said cylinder, a journal by which said second support is rotatably mounted and which is adjustable in said bearing block axially of said cylinder for releasing said second support from the cylinder, said bearing block being shiftable in said guideway with said second support away from its supporting position opposite the end of the cylinder when the support is released from the cylinder, said guideway being of greater dimensions than the diameter of the cylinder, and said cylinder being freed for disconnection from said driving support and removable endwise of itself from the press through said guideway when the bearing block is shifted out of its cylinder supporting position.

2,460,505
TOWEL RACK
William J. Jahoda, Put in Bay, Ohio
Application July 8, 1947, Serial No. 759,591
4 Claims. (Cl. 211—100)

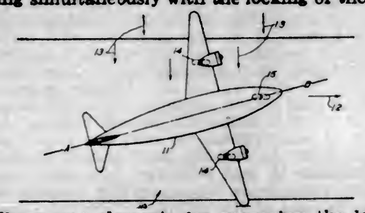


1. A towel rack, comprising a support, a forwardly extending plate member carried by said support, the forward end portion of said plate member being formed with a depending channel, said plate member being formed with a plurality of slots extending through the lower portion of said channel, ball members rotatably supported on the edge portions of the slots in said channel, and rack bars passing through said slots and slidably passing through openings in said ball members, said rack bars having enlarged inner end portions adapted to engage the bottom of the plate member in horizontal position, and to be supported on the ball members when the rack bars are in depending position.

2,460,506
LANDING GEAR FOR AIRPLANES
Charles R. Jamison, Morgantown, W. Va.
Application October 26, 1945, Serial No. 624,708
8 Claims. (Cl. 244—50)

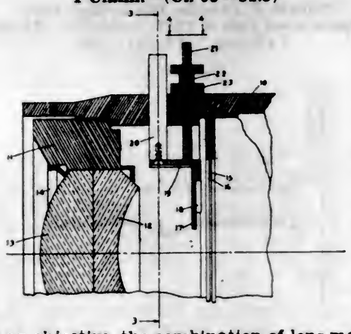
1. In an aircraft having main laterally spaced landing elements and a longitudinally spaced landing element, the elements being supported for vertical swinging movement and for turning on parallel axes when in landing or takeoff position; means interconnecting all of said elements for simultaneous turning on said axes from planes paralleling the longitudinal axis of the aircraft to diagonal parallel positions, means for selectively locking the laterally spaced elements only when such elements are set in position parallel

with the longitudinal axis of the craft, and means acting simultaneously with the locking of the lat-



erally spaced elements for preparing the longitudinally spaced element for free steering motion.

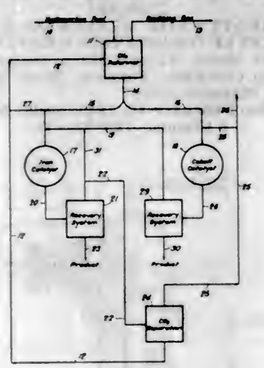
2,460,507
ADJUSTABLE MULTICOLORED LIGHT FILTER
Robert C. Johnston, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application October 25, 1944, Serial No. 560,366
1 Claim. (Cl. 95—81.5)



In an objective, the combination of lens mounting barrel, a plurality of lens components, a diaphragm and a multi-colored filter, said filter comprising a plurality of sector-shaped, differently colored filter elements, a support for each said element comprising a flange and an angularly directed arm and means attached to the arm of the support and extending radially outward of the objective for moving the support and filter including a slide, a bearing in the lens barrel in which said slide is guided, a threaded stem passing through the lens barrel connected to said arm and spaced from and projecting in a direction parallel with said slide, an adjusting nut threaded to the stem, means attached to the lens barrel for restraining said nut radially thereof and for preventing movement thereof axially with respect to the direction of spindle movement, a series of graduations on the slide and other graduations on the adjusting nut, and indicia associated with each of said filters for showing its respective color.

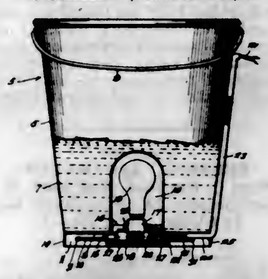
2,460,508
METHOD AND MEANS FOR HYDROCARBON SYNTHESIS
Everett A. Johnson, Park Ridge, and Sam B. Becker, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 30, 1946, Serial No. 687,064
2 Claims. (Cl. 260—449.6)

1. In the process of converting a gas mixture containing hydrogen and carbon monoxide initially in a ratio of at least 5:3, the steps which include contacting one portion of the total gas mixture with an iron type catalyst at a pressure above about 5 atmospheres and a temperature above about 400° F., contacting another portion of the total gas mixture with a cobalt type catalyst in a parallel reaction zone at about atmospheric pressure and at a temperature between about 340 and 500° F., separately withdrawing reaction products from said parallel reaction zones recovering from the reaction products withdrawn from the iron catalyst synthesis a residual gas



mixture including hydrogen and carbon dioxide, said residual gas mixture having a higher proportion of hydrogen to carbon monoxide than said total gas mixture separating from the reaction products of the cobalt catalyst synthesis a gaseous fraction relatively richer in carbon monoxide than said total initial gas mixture, supplying at least a portion of the hydrogen-rich residual gas from said iron catalyst synthesis to said cobalt catalyst synthesis, and supplying substantially all of the carbon monoxide recovered from the cobalt catalyst synthesis to said iron catalyst synthesis.

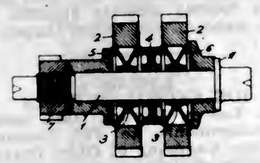
2,460,509
HEATED DRINKING VESSEL
Donald E. Keller, Millersport, Ohio
Application September 21, 1946, Serial No. 698,471
2 Claims. (Cl. 219—45)



1. In a heated drinking vessel, the combination of a container having an imperforate bottom formed with a reentrant pocket and provided at the marginal edge of said bottom with a downwardly extending flange, a heating element supporting cover provided under said bottom and formed with a neck portion removably receivable

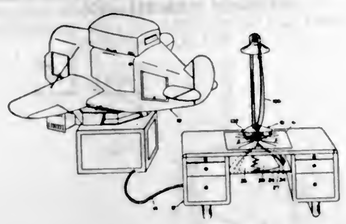
in said pocket, and a plurality of removable keeper rods extending through said flange and through said cover to retain the neck portion of said cover in said pocket.

2,460,510
FLEXIBLE CLAMPING SLEEVE
Emil Laesser, Zurich, Switzerland, assignor to Maag-Zahnräder und -Maschinen Aktiengesellschaft, Zurich, Switzerland
Application September 26, 1944, Serial No. 555,884
In Switzerland September 27, 1943
6 Claims. (Cl. 287—52.06)



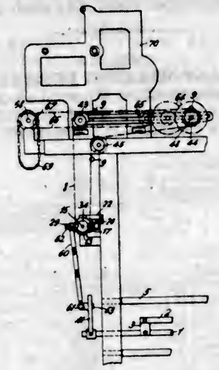
6. A device for mounting work pieces comprising, a hub substantially rigid having a pair of conical flexible discs extending therefrom in V formation, cylindrical rims formed on the extremities of said discs opposite the hub, said cylindrical rims having abutment faces on their outer ends which faces lie in planes extending perpendicularly to the axis of the hub, and means for exerting axial pressure on said abutment faces to alter the diameter of the rims to clampingly engage a work piece adjacent thereto.

2,460,511
AUTOMATIC RADIO SIGNALING MEANS FOR AVIATION TRAINERS
Gregor L. Lang, West Haven, Conn., assignor to Link Aviation, Inc., a corporation of New York
Application May 27, 1943, Serial No. 488,659
3 Claims. (Cl. 35—10)



1. In a device for teaching aircraft navigation or the like by means of radio range signals, means for simulating the phenomenon of "multiple courses" of actual radio ranges, said means comprising two pairs of metallic sectors shaped and positioned relative to one another like the quadrants of a real radio range station, means for charging each pair of said metallic sectors in different predetermined code patterns simulating the code pattern of the signal field of a real radio range, an additional metallic member insulated from and placed adjacent the face of a selected one of said sectors, and an electrical connection between said additional metallic member and one of said sectors charged in a different code pattern from the selected sector.

2,460,512
VARIABLE WARP TENSIONING MEANS
Adolf Lang, Wettingen, Switzerland, assignor to Baumwoll-Spinnerei & -Weberei Wettingen, Wettingen, Switzerland
Application June 29, 1945, Serial No. 602,205
In Switzerland June 26, 1944
2 Claims. (Cl. 139—24)



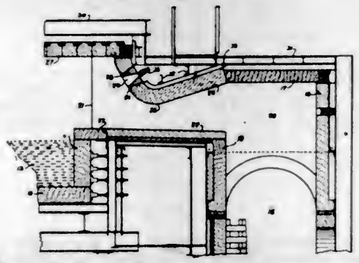
1. A control arrangement for looms for producing woven effects comprising, an oscillatory member over which threads deflected out of the warp are conducted, a chain provided with abutment stops constituting members of the chain and serving for controlling the oscillatory member, said chain being in operative relation with another operating device which controls the weaving operation, and a clutch for controlling the movement of the oscillatory member, one part of said clutch being formed as a sprocket wheel over which the chain passes.

2,460,513
FILE
Edward Blair Le Fevre, Warwick, R. I., assignor to Nicholson File Company, Providence, R. I., a corporation of Rhode Island
Application June 26, 1944, Serial No. 542,179
1 Claim. (Cl. 29—78)

An elongated double purpose file having a filing surface comprising a multiplicity of arcuate cutting teeth spaced along the length of the file the convex sides of which face toward that end of the file which leads when the file is moved on its cutting stroke, the centers of curvature of said teeth being spaced from each other along a line substantially coinciding with one edge of said filing surface, and substantially parallel lines of serrations each running through a plurality of said teeth from the trailing end of said file and the edge thereof opposite said one edge at an angle toward said one edge and the leading end of said file, dividing said arcuate teeth into individual tooth cutting sections, so that the tooth sections adjacent said one edge thereof are relatively short, widely spaced and have small angles of shear so as to together constitute an elongated coarse cutting or roughing area, and the tooth sections adjacent the opposite edge of the file are longer, closer together and have

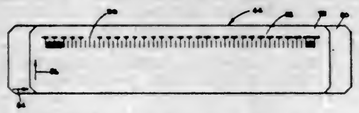
larger angles of shear than those of the roughing area and together constitute an elongated surface finishing area, whereby the file when moved forwardly upon a cutting stroke and given a simultaneous lateral movement with the roughing area in advance of the finishing area, will first rapidly remove stock from a given area of a work piece and, during the same stroke, will immediately thereafter finish file such portion.

2,460,514
GLASS MELTING FURNACE
Levi S. Longenecker, Mount Lebanon, Pa.
Application November 2, 1945, Serial No. 626,209
8 Claims. (Cl. 49—54)



1. In a regenerative tank type glass melting furnace having a port arranged to discharge a substantially horizontal stream of preheated air across the furnace chamber; such port having a floor, side walls and a refractory knuckle-like roof located between such side walls, approximating a shallow V in longitudinal sectional and forming a restricted throat for such port; the leg of such knuckle adjacent the furnace chamber being provided with a through opening, and a burner nozzle positioned above such knuckle and arranged to project a jet of liquid fuel through such opening and into the preheated air stream as such stream enters the furnace chamber.

2,460,515
CALIBRATED RETARDATION PLATE FOR MEASURING BIREFRINGENCE AND METHOD OF MAKING SAME
David D. Lowber, Snyder, and Joseph D. Reardon and Philip W. Collyer, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application April 23, 1946, Serial No. 664,392
4 Claims. (Cl. 88—65)

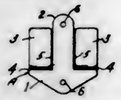


1. A retardation plate of the character described comprising a first plate-like member formed of quartz, said member being relatively long and in the shape of a uniformly tapering thin wedge to provide substantially uniformly varying birefringent retardation properties throughout an elongated portion thereof, a second plate-like member formed of quartz, said second member being relatively long and thin and having plane parallel opposed surfaces to provide substantially uniform birefringent retardation properties throughout an elongated portion thereof, the parallel surfaces of said second member being spaced so as to provide a thickness therein equal to the thickness of a transverse plane intermediate the ends of the elongated portion of said wedge shaped member, said wedge shaped member and plane parallel member being so disposed in adjacent face-to-face relation relative to each other that their optical axes are at right angles, a graduated scale having a base reference mark associated therewith for indicating zero birefringence carried by said elongated portion of said plane parallel member with said base reference mark located intermediate the ends thereof, and means securing said members together with said base reference mark located directly opposite the said transverse plane of said wedge shaped member.

2,460,516
ION-EXCHANGE RESIN
Enrique L. Luíces, Dayton, Ohio, assignor, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio, a corporation of Ohio
No Drawing. Application October 20, 1943, Serial No. 507,038
4 Claims. (Cl. 260—38)

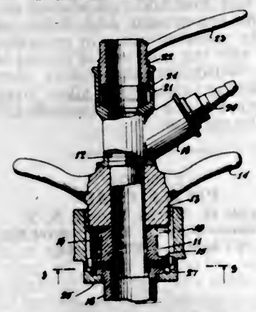
3. The method of making an ion exchange mass comprising a porous inert inorganic adsorbent base of large inner surface area for a given mass and a synthetic ion exchange resin consisting of phenol formaldehyde condensation product over said surface area as a thin film, which consists in adding 50 parts by weight of phenol to 75 parts by weight of porous adsorbent material consisting of discrete granules of large inner surface area, adding to the resulting mixture 25 parts by weight of formaldehyde (100% basis), and heating the mixture at a temperature of from 400° to 500° F. for time sufficient to complete the reaction.

2,460,517
CURTAIN FIXTURE
Ida Lundstrom, St. Louis, Mo.
Application March 29, 1945, Serial No. 585,552
6 Claims. (Cl. 211—105.2)



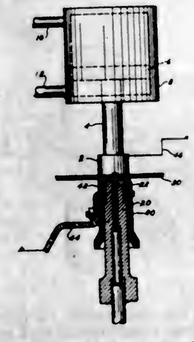
3. A curtain fixture comprising, in combination, a supporting bracket having spaced supporting hooks struck from a single plate providing thereby spaced shoulders and an intermediate arm to the rear of the gap formed by the spaced hooks, a curtain-rod having supporting ends in the form of return bends, means formed from the return bend material providing a rearwardly bent portion adapted to lie in the gap between the two hooks and an upright portion projecting from the rearwardly bent portion, and said upright portion projecting beyond the opposed side edges of the rearwardly bent portion and adapted to rest on the shoulders of the two spaced hooks.

2,460,518
LIQUID DISPENSER
Abraham Machtinger, New York, N. Y.
Application March 8, 1946, Serial No. 653,012
1 Claim. (Cl. 285—40)



In a tap for containers of the type comprising a protruding tap bush, the latter comprising an outer face adapted to be engaged by a resilient washer and further comprising means for detachably engaging a tap, in combination, a substantially hollow cylindrical tap body, said tap body being formed with a recess of substantially rectangular cross section, said recess being located opposite said face of said bush in the operative position of tap and bush, said recess further being substantially equal in inner and outer dameter to aid face of said bush, a resilient washer of substantially rectangular cross section located in said recess so as to present a resilient and non warping face to said face of said bush, and means engageable with said tap and bush for detachably connecting the two together.

2,460,519
WORKING OF HIGH TENSILE SHEET METAL
Lee L. Marchant, Takoma Park, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application May 31, 1945, Serial No. 596,887
1 Claim. (Cl. 219—3)

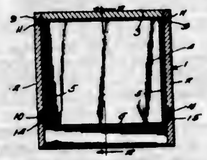


The method of working metal, which metal has such a high tensile strength that it tends to crack and shatter when worked cold, which consists in applying a working tool to the metal with a pressure insufficient to work it in the desired manner while cold but which is sufficient to work it in the desired manner at a temperature of the metal just above the critical temperature thereof, and while maintaining such pressure applying to the metal at the area of contact of the working tool electric energy in amount more than sufficient to cause the metal to be heated to a temperature at which the tensile strength is such that the pressure applied to the tool will cause the desired working.

2,460,520
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 9, 1946, Serial No. 646,639
20 Claims. (Cl. 171—327)

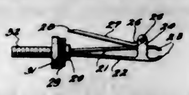
1. Piezoelectric crystal apparatus comprising means including a di-potassium tartrate crystal body for producing a substantially zero temperature coefficient of vibrational frequency within a temperature range substantially from 0° to +40° centigrade, said frequency being determined by a major face dimension axis of said crystal body, said dimension axis being made of a dimensional value corresponding to the value of said frequency, the angular orientation of said crystal body with respect to the mutually perpendicular X, Y and Z axes thereof being a value corresponding to and related to the value of said substantially zero temperature coefficient of frequency, and electric field-producing means for operating said crystal body at said substantially zero temperature coefficient of frequency.

2,460,521
DRAWER GUIDE
Robert H. McMurtrie, Huntingburg, Ind.
Application June 8, 1945, Serial No. 598,298
2 Claims. (Cl. 45—77)



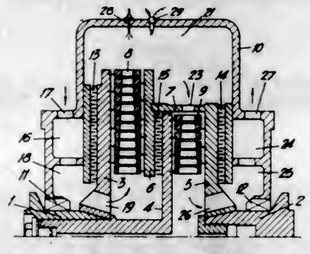
1. In combination, a casing having sides, a drawer having sides and a bottom, and means to mount said drawer on the sides of the casing for sliding movement into and out of the same, comprising lateral side flanges extending along the upper edges of the sides of the drawer, longitudinal guide grooves in the sides of the casing in which said flanges are slidably fitted, a pair of rollers mounted on opposite sides of the drawer adjacent to the lower rear corners of said sides, and a pair of channel guide tracks countersunk in the sides of the casing to extend parallel with said guide grooves, said rollers being fitted in and rotatable along said guide tracks, one of said guide tracks being of right-angled form in cross-section with a completely open side to permit side play of the roller therein inwardly and outwardly of said track, and the other of said guide tracks having sides confining the roller therebetween and preventing side play of the roller in the guide track.

2,460,522
MANICURE SET
Anthony J. Miller, Freeman, S. Dak.
Application May 2, 1947, Serial No. 745,376
1 Claim. (Cl. 132—75.5)



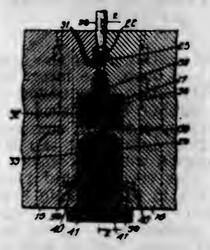
A manicure implement of the character stated comprising a relatively long handle body having a threaded axial bore in one end, a cutting implement comprising a pair of resilient blades, said blades being attached to a body of circular form, the body being exteriorly screw threaded, a stem forming an integral part of the body and adapted to engage in said socket, said cutting implement including a lever pivotally coupled with one blade and adapted to apply pressure to the other blade to move the same together into operating relation, said lever being adapted to be moved into substantially parallel relation with the blades, and a threaded nut mounted upon said body and adapted when moved in one direction to engage and secure said lever in the said substantially parallel relation with the blades.

2,460,523
COMBINED GAS TURBOCOMPRESSOR AND GAS TURBINE
Ragnar Olov Jacob Möller, Finspong, Sweden, assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden, a corporation of Sweden
Application December 20, 1945, Serial No. 636,201
3 Claims. (Cl. 60—41)



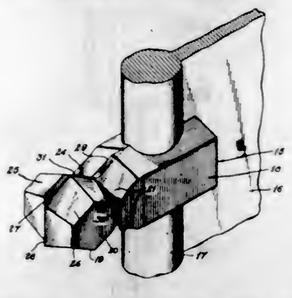
1. In a power plant the combination of a turbocompressor, a gas turbine, said compressor and said turbine each being the radial flow double rotation type, a common stationary casing therefor, two shafts centrally mounted with relation to said casing and adapted to rotate in opposite directions, two annular discs attached at their inner peripheries to one of said shafts at axially spaced points thereof, an annular disc attached at its inner periphery to the other shaft, said last mentioned disc having a disc supporting member at its outer periphery, another disc attached at a point between its inner and outer peripheries to said disc supporting member, said last mentioned disc being situated axially between the discs of the first mentioned shaft, the discs thus forming together three axially spaced radial passages between themselves, compressor blades in one end passage alternately attached to the respective discs, turbine blades alternately attached to the discs of the other end passage, labyrinth packing elements alternately attached to the discs of the intermediate passage, said compressor blades being arranged to operate while forcing the fluid under compression outwardly, the casing forming an annular chamber in free communication with the outer periphery of the set of compressor blades, means to introduce fuel into said chamber, means to ignite a mixture of this fuel and compressed air as produced by the compressor and delivered to said chamber, the chamber being in permanent communication with the inlet end of the set of turbine blades, the stationary and rotary elements of the plant having passages to allow admission of air to the compressor and expelling of exhaust gases from the turbine.

2,460,524
PINTLE CHAIN
Louis H. Morin, Bronx, N. Y.
Application December 28, 1943, Serial No. 515,883
9 Claims. (Cl. 59—78)



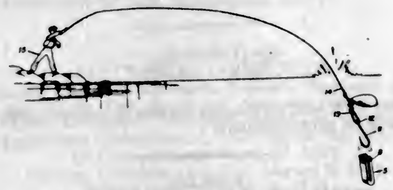
1. A chain comprising die cast links, each link having an integral pintle portion cast thereon, and a bearing also cast thereon encircling the pintle portion of an adjacent link in permanently coupling said links.

2,460,525
UNIVERSALLY UNITED SCOOP FOR SEPARABLE FASTENERS
Louis H. Morin, Bronx, N. Y.
Application November 21, 1944, Serial No. 564,487
12 Claims. (Cl. 24—205.13)



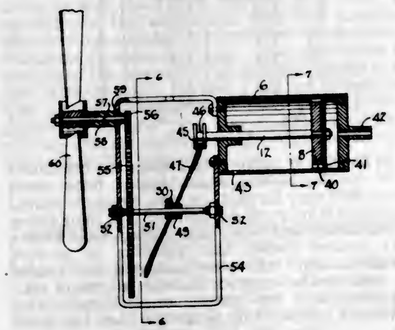
10. A scoop for separable fastener stringers, said scoop having a mounting end portion and a coupling end portion, the coupling end portion comprising a head and a recessed portion each defined at least in part by upper and lower walls, said recessed portion having oppositely faced shoulders, said head having on upper and lower walls thereof oppositely faced shoulders, and said head having widthwise of the scoop intersecting upper walls and intersecting lower walls.

2,460,526
RELEASABLE CASTING WEIGHT
Henry L. Oliver, Durango, Colo., and Mina B. Anderson, Albuquerque, N. Mex.
Application November 20, 1946, Serial No. 711,014
4 Claims. (Cl. 43—27)



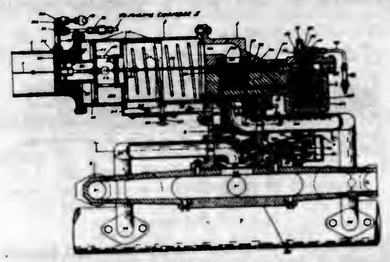
1. A releasable casting weight comprising a body with an opening at one end thereof, and a tearable strip of material carried by the body over said opening, said tearable strip adapted to receive the barbed end of a fishing hook, and said hook being torn through said strip and away from said body as the line carrying said hook is cast so that the hook contacts a body of water with impact.

2,460,527
WIND PUMP FOR AERATING BAIT CONTAINERS
Constant A. Oliveros, Houston, Tex.
Application January 13, 1945, Serial No. 572,704
1 Claim. (Cl. 261—30)



An aerating device for use in connection with live bait liquid containers comprising a frame of sheet metal having opposite walls, a reciprocating positive displacement airpump including a piston and a piston rod extending to within said frame, a channeled head on said piston rod within said frame, a pair of aligned shaft bearings adjustably secured in said opposite walls of said frame, a shaft journaled in said bearings, a wobble plate having a central apertured hub mounted on said shaft, set screw means securing said wobble plate to said shaft for rotation therewith, the periphery of said wobble plate extending into said channeled head of said piston rod, a large gear mounted on said shaft within said frame, a bushing affixed through one wall of said frame, a shaft rotatably extending through said bushing, a pinion gear affixed on said latter shaft and in mesh with said large gear, a windwheel removably secured to said pinion gear shaft without said frame, and an air conduit for conducting air from said pump to inside the liquid container, whereby rotation of said windwheel rotates said gears to rotate said wobble plate to reciprocate said airpump piston to positively pump air through said conduit to the live bait liquid container.

2,460,528
CARBURETOR
Olaf Oswald, Honolulu, Territory of Hawaii
Application January 27, 1944, Serial No. 519,904
20 Claims. (Cl. 261—13)

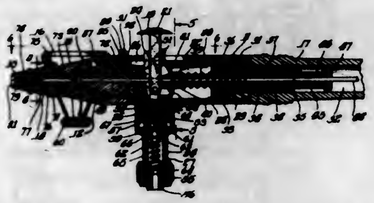


7. In combination in a carburetor for an internal combustion engine, having an air inlet through which the total air must pass and an outlet adapted to be connected to the manifold of an engine, a mixing chamber, a primary air passage between said inlet and said outlet, an auxiliary air passage between said inlet and said outlet and communicating with said primary air passage through said mixing chamber, air valve means for controlling the communication between said inlet and said auxiliary air passage, primary fuel supply means opening into said primary air passage between said air inlet and said mixing chamber, a throttle in said primary air passage between said primary fuel supply means and said mixing chamber, secondary fuel supply means opening into said primary air passage on the outlet side of said throttle, means operatively associated with said primary air passage for heating the air-fuel mixture flowing therethrough, automatic actuating means responsive to the total engine-suction induced air flow through said air inlet for simultaneously controlling said primary fuel supply means and said air valve to constitute an over rich air-fuel mixture in said primary air passage under the control of said throttle valve which is thereafter heated by said heating means and mixed with auxiliary air in accordance with the operation of said actuating means, said secondary fuel supply means comprising a plurality of interconnected fuel storage ducts, a source of fuel for said ducts, one of said fuel ducts being open to the atmospheric pressure through an air orifice, another of said ducts being in communication with said primary air passage through a valve means adapted for preventing the passage of fuel therethrough in response to suction applied through its discharge port superior to the predetermined normal engine suction, and another of said ducts being in communication with said primary air passage through a valve adapted to open in response to suction inferior to the predetermined normal engine suction.

2,460,529
AIRBRUSH
Jens A. Paasche, Chicago, Ill.
Application June 5, 1944, Serial No. 538,842
4 Claims. (Cl. 251—134)

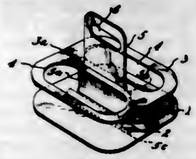
1. An airbrush of the type described comprising an elongated body having a passage for a

needle, a needle mounted in said passage for longitudinal movement therein, spring means biasing said needle in one direction, a pivoted finger operated lever for moving said needle in opposition to said spring, and means for micrometrically predetermining the limit of movement of said needle by said spring, said means comprising a transverse slot formed in said body in the proximity of said lever, a longitudinal passage intersected by said slot, a threaded member



mounted in said longitudinal passage and adapted to engage at one end said lever, a cup shaped nut mounted in said slot and on said threaded member, a cup shaped member mounted within said nut to form a closed chamber and a spring housed within said chamber to urge said latter cup and said nut into frictional engagement with the walls of said slot thereby to retain said nut and said threaded member in an adjusted position.

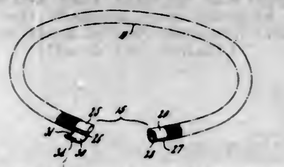
2,460,530
CONTAINER CARRIER
Stephen Petyak, Fort Mitchell, Ky.
Application February 15, 1946, Serial No. 647,918
1 Claim. (Cl. 224—48)



A carrier comprising a base portion consisting of one flat piece of material, a retainer portion consisting of one flat piece of material having a lateral opening along each side for embracing articles located on the base, and a handle member, said handle member being one flat piece of material, said base and retainer portions having central slots therein, for passage of the handle member, said handle member being wider than the base slot, at one of its ends, wider than the retainer slot between its ends, and having a portion of the dimension to pass through the retainer slot, said portion extending far enough to clear the tops of articles located on the base and engaged by the retainer openings, the extended portion having a hand grip portion.

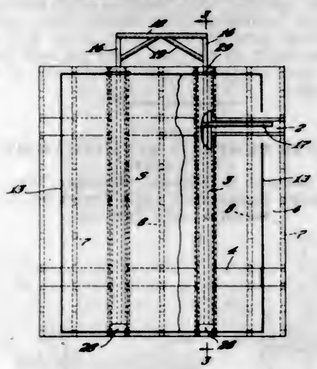
2,460,531
JEWELRY CLASP OR THE LIKE
Henry Pommier, New York, N. Y.
Application August 22, 1946, Serial No. 692,230
12 Claims. (Cl. 24—208)

1. A clasp comprising, in combination, a pair of longitudinally telescoping members; abutment means on one of said members; and an element hingedly connected to the other member on a longitudinal axis and movable transversely into embracing engagement with said one member, when said members are telescoped, to coop-



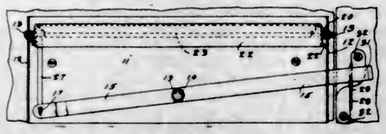
erate with said abutment means to prevent separation of said members.

2,460,532
MOLD FOR CASTING WALL SLABS
Leslie Ross Porter, Jr., Peabody, Mass.
Application October 12, 1945, Serial No. 621,987
2 Claims. (Cl. 25—121)



1. In the art of casting wall slabs the combination of means having a horizontal floor upon which a slab may be cast, narrow elongate longitudinal and transverse sections of said floor being freely liftable away from said means, said means having spaces under said sections to receive longitudinal and transverse members, said spaces being open at the ends so that the members may be inserted into the spaces longitudinally and transversely respectively after the slab has been cast.

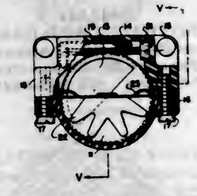
2,460,533
COMBINED HINGED TRAY AND DOOR FASTENER
Allen Hussell Potts, Chevy Chase, Md., assignor to the United States of America as represented by the Administrator, Federal Works Agency
Application October 7, 1947, Serial No. 778,447
2 Claims. (Cl. 292—196)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An article supporting tray and door latching device which includes a supporting plate adapted to be attached to a door, two tray supporting pivots and a tray hinged on said pivots to said

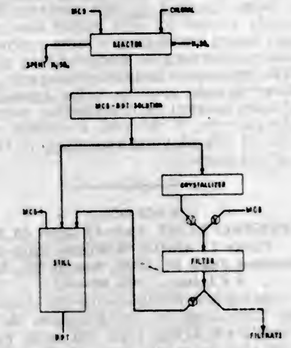
plate, the improvement which comprises a fulcrum perpendicular to said plate and midway of the lateral margins of said plate, a lever arm pivotally mounted on said fulcrum extending beyond one margin of the door plate and a link connecting one end of said arm with said tray eccentrically of said supporting pivots.

2,460,534
ELECTRICAL CONDENSER
Claude Langdon Richards, London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application November 16, 1944, Serial No. 563,723
In Great Britain June 25, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires June 25, 1963
4 Claims. (Cl. 175—41.5)



1. An electrical condenser comprising a disc-shaped composite body having a segmental aperture therein and comprising particles of insulating dielectric material and electrically conductive particles insulated from each other by interposed particles of said insulating dielectric material, a plurality of condenser electrodes in capacitative relationship with said body, said electrodes consisting of two semicircular metallic plates in contact with opposite surface portions of said body, and means to rotate said body relative to said plates to thereby vary the extent to which the non-apertured portion of the disc is interposed between said electrodes.

2,460,535
MANUFACTURE OF TRICHLOROMETHYL DIARYL METHANES
John W. Robinson, Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application February 21, 1945, Serial No. 579,107
6 Claims. (Cl. 260—649)



1. In a process for the manufacture of the product trichloromethyl diaryl methanes by the condensation of a chloral-yielding compound with an aromatic compound having replaceable ortho and para hydrogen in the presence of sulfuric acid in which said product is recovered in solution in said aromatic compound, the steps of dividing the solution of the product in the aromatic compound into two fractions, crystallizing product from one of said fractions, separating the crystals from the mother liquor, introducing the crystals into the remaining fraction, and then treating the resulting fraction to recover the product of the condensation free of the aromatic compound.

2,460,536
REACTION BETWEEN VINYL CYANIDE AND REACTIVE METHYLENE COMPOUNDS
Arthur O. Rogers, Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1946, Serial No. 684,539
4 Claims. (Cl. 260—465)

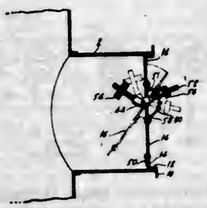
1. The process which comprises reacting vinyl cyanide with a compound containing a reactive methylene group at a temperature between 150° C. and 250° C. in the presence of an alkaline catalyst.

2,460,537
COATED WELD ROD
Ernest Clarence Rollason, Essex, England, assignor to Metal and Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Original application October 16, 1946, Serial No. 703,490. Divided and this application May 13, 1948, Serial No. 26,931. In Great Britain November 8, 1945
1 Claim. (Cl. 219—8)

A flux-coated welding electrode in which the flux ingredients comprise an alkali metal compound and a manganese-aluminum alloy having a composition within the range:

	Per cent
Manganese	50 to 98
Aluminum	1 to 10
Carbon	not exceeding 1.5
Silicon	not exceeding 5
Copper	not exceeding 5
Iron with traces of normal impurities	remainder

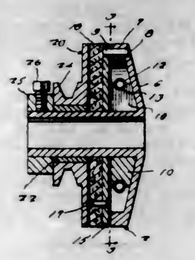
2,460,538
DRAFT REGULATOR
Frank H. Schneider, Gardner, Mass., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application March 14, 1945, Serial No. 582,764
5 Claims. (Cl. 236—45)



1. A draft regulator comprising a supporting frame having an opening therethrough, a baffle substantially closing said opening and supported by pivotal means above its middle whereby said

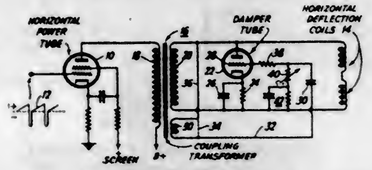
baffle may swing in said opening, a lever extending through said baffle and pivotally connected thereto to be movable in a generally vertical plane, a weight movable along said lever on one side of said baffle, and means associated with the other end of said lever for maintaining said lever in selected angular relation with said baffle.

2,460,539
CENTRIFUGAL CLUTCH
Eldon C. Shank, Freeport, Ill.
Application October 19, 1945, Serial No. 623,294
1 Claim. (Cl. 192—105)



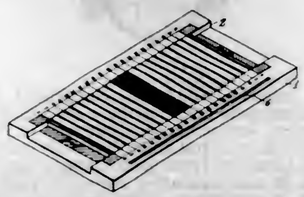
A clutch comprising a rotary driving housing having a sleeve adapted to be secured to a drive shaft, the said housing having a conical end wall, a plurality of centrifugal members in the housing and guided axially by the conical wall, a continuous annular groove extending around the upper portions of the centrifugal members, a coil spring in the groove biased to urge the centrifugal members inwardly toward the axis of the drive shaft, a friction plate mounted on the sleeve and slidable axially thereon, a pin secured to the inner rim of the housing and extending parallel to the axis of the drive shaft, a cooperating aperture in the friction plate to receive the pin to drive the friction plate along with the housing, and a driven member freely rotatable on the sleeve and adjacent the friction plate, whereby the centrifugal members when rotated will be guided by the conical wall to exert axial pressure on the friction plate to engage the latter with the driven member.

2,460,540
CONTROL CIRCUIT
Hubert Rice Shaw, Drexel Hill, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application February 26, 1946, Serial No. 650,372
9 Claims. (Cl. 315—27)



1. In a cathode ray beam deflection system of the type in which a power tube is adapted to supply cyclically varying current through a coupling transformer to a cathode ray beam deflection coil, and in which a grid-controlled variable impedance damper tube is connected across the secondary winding of said transformer, the combination of electrical differentiating means, electrical connections for applying the voltage developed across said cathode ray beam deflection coil to said differentiating means, an auxiliary coil electromagnetically associated with said coupling transformer, said auxiliary coil being so wound that the voltage developed thereacross is substantially in phase with the voltage developed across the secondary winding of said transformer, means for applying the voltage developed across said auxiliary coil to said differentiating means in additive series with the voltage developed across said cathode ray beam deflection coils, and means for applying the output of said differentiating means to the grid of said damper tube to control the impedance of said damper tube.

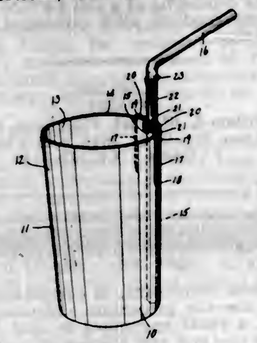
2,460,541
FOOTBALL CARD GAME
Thomas Barton Siler, Atlanta, Ga.
Application January 30, 1946, Serial No. 644,398
6 Claims. (Cl. 273—94)



1. In a simulated football game comprising a rectangular chart, said chart being comparatively rigid and having raised marginal portions comprising marginal zones constituting guides, said chart and its marginal portions defining a broad rectangular valley between said marginal portions, said marginal portions and said valley having lines thereon arranged transversely thereof, said lines on said valley and on said marginal portions being substantially and respectively in alignment with each other, said lines being substantially parallel and suitably spaced from each other substantially equal distances, said marginal portions having indicia thereon to indicate the relative yardage of spaces and lines on said chart, in combination with a rectangular board, said board being as wide as said valley and being located in said rectangular valley and slidably guided by said raised marginal portions, said board having transverse grooves therein to detachably receive and support players in an upright position when placed therein, the major number of said grooves being equally spaced but centrally located grooves being more closely spaced to provide, if desired, a closely arranged disposition of the players, especially in the initial portion of the game.

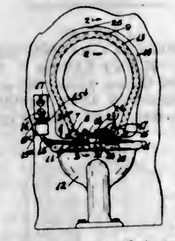
2,460,542
DRINKING TUBE AND GLASS CLAMP
Clyde C. Smith, Kokomo, Ind.
Application June 12, 1945, Serial No. 599,073
6 Claims. (Cl. 65—65)

1. An anchoring flexible clip for the purpose described including in combination a pair of exterior wall engaging legs, an arm extending from each and inwardly toward the other arm, each arm terminating in an arcuate portion, the arcuate portions being similarly directed, upwardly directed arms at the other ends of the arcuate portions, and an oppositely directed



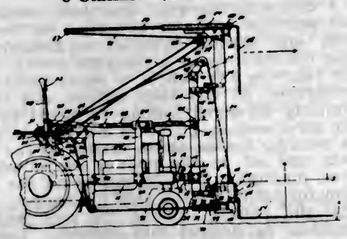
arcuate portion connecting the other ends of the upwardly directed arms.

2,460,543
ULTRAVIOLET RAY TOILET SEAT
Edward Spierer, Brooklyn, N. Y.
Application November 2, 1943, Serial No. 508,662
5 Claims. (Cl. 4—233)



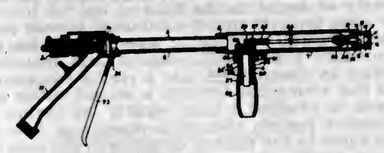
1. An ultraviolet ray toilet seat, comprising a toilet seat of material adapted to transmit ultraviolet light rays and an ultraviolet ray tube mounted in a recess cut in the bottom face of said toilet seat, a filler element of material adapted to transmit ultraviolet rays and set into the bottom of said recess for holding said tube in position, and means for releasably holding said filler element in position on said seat.

2,460,544
HAY LOADER
Charles J. Smith, Albany, N. Y.
Application May 24, 1946, Serial No. 671,957
8 Claims. (Cl. 214—112)



1. A hay loader adapted to be attached to an automotive vehicle including a support frame, a loading frame, and a plurality of gathering prongs on the loading frame adapted to be moved upwardly and downwardly on the loading frame, said loading frame being hingedly supported by the support frame, and means for swinging the loading frame and the gathering prongs thereon at will to the right or to the left, said means consisting of a pair of winding drums, each drum being slidably and rotatably mounted on a horizontal shaft extending transversely of the vehicle, said shafts being adapted to be driven in opposite directions by the motor of the automotive vehicle, a brake on each drum, a spring permanently urging said brakes into working position, a clutch flange on each drum, a clutch disc rigidly mounted on each shaft and spaced from the clutch flange, a control lever adapted to move the drum in and out of clutch-engaging position, a hand lever pivotally mounted on the control lever for releasing the drums from their brakes, a substantially circular bracket on the loading frame having a circumferential groove therein, and a cable fastened to each side of the loading frame and arranged in said groove, one of said cables leading to one of the winding drums and the second cable leading to the other drum.

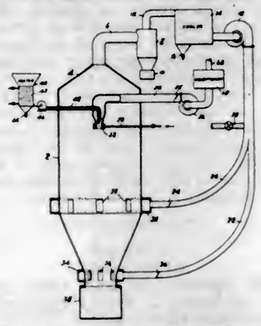
2,460,545
SPRAY GUN
Warren M. Spreng, Ashland, Ohio, assignor to The F. E. Myers & Bro. Company, Ashland, Ohio, a corporation of Ohio
Original application June 15, 1940, Serial No. 345,519. Divided and this application August 7, 1942, Serial No. 453,973
3 Claims. (Cl. 299—112)



1. A spray gun comprising a barrel, said barrel including a first and a second length of tubing, said tubing lengths being straight from end to end, means on adjacent ends of said tubing lengths for attaching them together in axial alignment whereby to form a straight passageway interiorly from end to end of said lengths of tubing and thereby prevent turbulence of fluids passing therethrough, said first length of tubing having a nozzle and having a threaded boss located on its under side intermediate its ends, a hollow substantially cylindrical member threadedly engaging said boss and extending below said first tubing length, a rotatable handle grip extending downwardly from said hollow member and forming a continuation thereof, a stem attached to said handle grip and extending upwardly through said member and having an upper end including an offset pin which projects into said first tubing length, a rigid rod member extending lengthwise of said first length of tubing and having an aperture at one end engaging said pin and a valve member at its opposite end, said nozzle having a restricted passageway adapted to be at least partially closed, or fully closed by rotation of said handle grip, said second length of tubing having a hollow rigid handle element and a pivoted trigger handle extending downwardly therefrom and being in the same plane as said rotatable hand grip on said first tubing, and a valve on said second tubing length and operatively con-

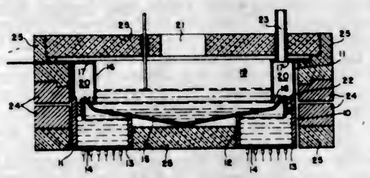
nected to said pivoted trigger handle to control the passage of fluid from within said handle element to said tubing lengths.

2,460,546
METHOD AND APPARATUS FOR TREATING MATERIALS
Nicholas N. Stephanoff, Elkton, Md., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company, a corporation of Pennsylvania
Application October 1, 1942, Serial No. 460,401
32 Claims. (Cl. 260—95)



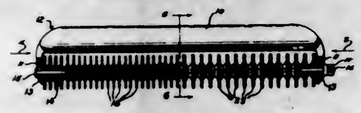
7. A method including passing elastic fluid into a receiver through a nozzle to produce a high velocity jet having in at least a portion thereof a velocity of flow at least equal to the velocity of sound in the fluid of the jet having the same pressure and temperature as said portion of the jet, introducing material into the jet to produce a fine suspension of said material, passing an elastic fluid into a region containing said fine suspension through a second nozzle arranged to produce a high velocity jet having in at least a portion thereof a velocity of flow at least equal to the velocity of sound in the fluid of the jet having the same pressure and temperature as said portion of the jet, introducing into the second jet a different material to produce a fine suspension of the second material admixed with that of the first named material, and separating resulting material from the elastic fluid.

2,460,547
DRAWING CRUCIBLE
Charles R. Stevens, Toledo, Ohio, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio
Application October 7, 1946, Serial No. 701,823
11 Claims. (Cl. 49—55)



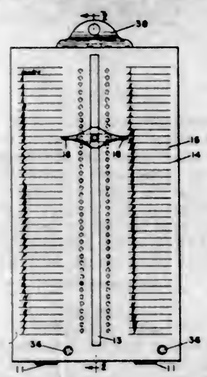
11. An orifice plate for a melting crucible for glass having a plurality of orifices therein through which glass exudes, comprising, a plate having a plurality of orifices therein through which glass exudes, said orifices receding from the discharge side of said plate as straight-sided holes at least adjacent the discharge surface side of said plate, said discharge surface side of said plate consisting of a flat surface comprising a platinum-rhodium alloy consisting of at least 40% rhodium.

2,460,548
COMB
William L. Stewart, Fitchburg, Mass.
Application March 23, 1946, Serial No. 656,549
2 Claims. (Cl. 132—16)



1. A comb comprising, in combination, a back bar and laterally projecting end-pieces defining a holder, a shaft journalled in said end-pieces, a head at one end and a screw-threaded portion at the remaining end of said shaft, an adjusting knob on said screw-threaded portion, a plurality of rotatable discs each comprising a circular plate formed with a rounded peripheral edge, and a concentric, frusto-conical boss formed integrally on each side of said plate, said discs being formed with central apertures adapted to rotatably receive said shaft, and the adjustment of said knob varying the frictional contact between said discs.

2,460,549
DEVICE FOR RECORDING GROCERY WANT LISTS
Earl Stiles, Lusk, Wyo.
Application August 20, 1946, Serial No. 691,796
2 Claims. (Cl. 164—111)

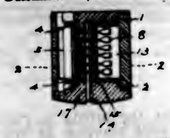


1. A device of the kind described, comprising a back panel section, a cover section for the back section and having external columnarly arranged indicia thereon, a movable pointer selectively following the indicia, a puncturable sheet superimposed on the back section and having columnarly arranged indicia identical to that of the cover section, puncture mechanism, forming a recorder for the sheet, carried by the cover section and set by the pointer on adjustment thereof, manually operated means on the cover section for actuating the said mechanism when set by the pointer, means for returning the mechanism to normal non-recording position, and a hanger on the back section and latching the cover thereto.

2,460,550
MODIFIED GLOBIN AND METHOD FOR ITS PREPARATION
Max M. Strumia, Penn Valley, and Francis W. Chornock, Devon, Pa., assignors to The John S. Sharpe Research Foundation of The Bryn Mawr Hospital, a nonprofit corporation
No Drawing. Application August 10, 1945, Serial No. 610,214
8 Claims. (Cl. 260—112)

1. The method of preparing a modified globin adapted for parenteral injection into humans which includes separating globin from the other components of hemoglobin and treating the separated globin with an alkali in aqueous solution of an alkali concentration such as to produce an alkaline globin solution having a pH in excess of pH 9.0 until the molecular weight of the globin is reduced to about one-half of that of the original globin.

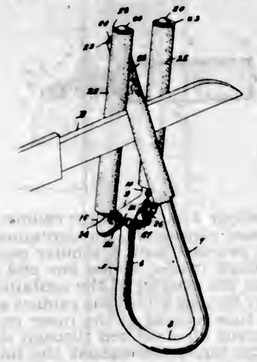
2,460,551
UNITARY TUMBLER CYLINDER LOCK
Gunnar E. Swanson, New Britain, Conn.
Application June 16, 1945, Serial No. 599,877
5 Claims. (Cl. 70—364)



1. The combination in a cylinder lock, of a barrel having a central opening with a longitudinal groove therein, a cylinder rotatable in the barrel opening and provided with a longitudinally extending open-sided recess and with integrally formed spacing plates within the recess having a plurality of similar transverse slots between them which cylinder has a longitudinal key slot communicating at its inner edge with the last said slots and also has a longitudinal locking bar slot between its periphery and the said recess, a locking bar in the last said slot movable outward into the barrel groove to effect locking, and a tumbler unit comprising a longitudinal base plate connected with the cylinder within the recess and also comprising a plurality of fingers formed integrally with the base plate which fingers have resilient portions adjacent the base plate and within the recess and also have other portions extending through the respective slots between the spacing plates and positioned to be separately moved within the last said slots by a key in the key slot and the said tumbler unit further comprising tumbler plates integral with the respective fingers and projecting transversely thereof beyond the slots between the spacing plates so that the outer edges of the spacing plates prevent inward movements of the tumbler plates which tumbler plates normally engage the locking bar to hold it in its outer locking position and are notched to permit inward movement of the bar upon movement of the fingers by the proper key and upon corresponding movement of the tumbler plates along the outer edges of the spacing plates to align the said notches.

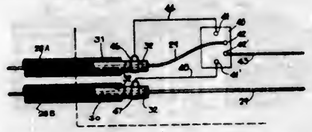
2,460,552
KNIFE SHARPENER
Sigmund Tarapcaynski, Niagara Falls, N. Y.
Application May 22, 1947, Serial No. 749,820
4 Claims. (Cl. 51—214)

1. A device for sharpening knives, comprising a holder having opposed arms normally disposed in spaced relation, rods constituting extensions of the respective arms and threadedly connected at one end to said arms, relatively elongated sharpening stones rotatably mounted on the rods, the stones being normally spaced apart when the arms



are in normal position, means for inclining the stone-holding ends of the arms toward each other, whereby to cross the stones in angular relation, and a flexible connection extending between the arms, whereby to limit outward movement thereof beyond their normal positions.

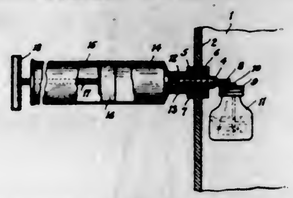
2,460,553
ELECTRIC CURRENT THEFT PREVENTION MEANS
David Trompeter, Sandy Hook, Conn.
Application August 28, 1947, Serial No. 770,964
2 Claims. (Cl. 171—97)



1. A protective apparatus for the purpose described, comprising an electric current supply circuit including a first pair of conductors, one a current supply one and the other a current return one, and also including a second pair of conductors, one a current supply one and the other a current return one, each of the conductors of said first pair being part of a cable wherein said part as the main electric conductor thereof is enclosed by an insulating wall and said insulating wall is enclosed by a second insulating wall and a conductive wall is interposed between said two insulating walls; a current consumption registering meter interposed between said first pair of conductors and said second pair of conductors whereby normally said meter registers the current consumption by way of said circuit; a sealed casing structure for enclosing said meter; and a normally inoperative means for breaking said circuit between said first pair of conductors and said second pair of conductors, said means having electric terminals each connected to the conductive wall of a different one of the cables of the said first pair of conductors, whereby when the two conductive walls last-named are bridged by a conductor brought into contact with both said walls said means is rendered effective to break said current supply circuit, said means also enclosed in said casing structure.

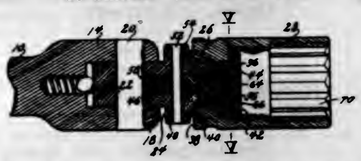
latching the skirt in collapsed position, said means

2,460,554
SPRAYER
William Martin Vogel, Montclair, N. J.
Application November 1, 1945, Serial No. 625,970
4 Claims. (Cl. 21—78)



1. In a sprayer attachment for cabinets, chests or other closed containers, the container having a fixed wall provided with a tubular passage extending through it and having one end communicating with the exterior of the container, a liquid container located within the cabinet and having a spray tube located at the inner end of the passage whereby air delivered through the latter will spray the liquid throughout the interior of the cabinet, the second end of the passage being located on the outside of the cabinet and having means for detachably receiving and supporting a hand-operated air pump and permitting hand operation of the pump and spraying inside of the cabinet without requiring opening of the door thereof.

2,460,555
TOOL ASSEMBLY
Frederick Von Voigtlander, Ann Arbor, Mich.
Application February 4, 1947, Serial No. 726,332
10 Claims. (Cl. 287—119)



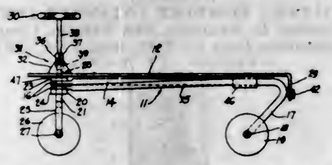
1. In a tool having an actuating member and a head detachably secured thereto, locking means therebetween comprising a shank on one of said members having a key cross-sectional configuration, a socket in the other member of like cross-sectional configuration for telescopically receiving the shank, means determining a limitation of shank insertion in said socket, a shoulder in said socket providing member which is adjacent the terminus of the shank when the parts are in assembled position, a key terminally mounted on said shank having a perimeter which in one position of the key lies entirely within the cross-sectional configuration of the shank and in an angular position therefrom extends therebeyond to engage said shoulder, and means for angularly shifting said key.

2,460,556
COIL ARRANGEMENT FOR ELECTRO-MAGNETIC DEVICES
Harold N. Wagar, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1947, Serial No. 784,828
4 Claims. (Cl. 175—21)

1. An electromagnetic device comprising a core, an energizing coil positioned on said core, said coil being of a type subject to shrinkage in use, and separate means attached to each end of said coil acting cooperatively to prevent motion of said coil on said core in a direction at right angles

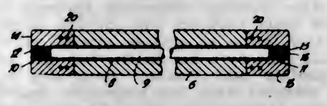
to the longer axis thereof, the first of said means being anchored in position on said core and the second of said means being slidably mounted on said core.

2,460,557
CONVERTIBLE CHILD'S SEAT AND CAR
Florence White, Bound Brook, N. J.
Application April 25, 1945, Serial No. 590,232
18 Claims. (Cl. 280—30)



5. A child's car including a rigid, removable, portable child's seat having at the rear thereof a downwardly projecting flange adapted to engage the rear edge of an automobile cushion on which the seat is adapted to rest, a collapsible frame comprising side bars swingably interconnected at the front end of the frame, the latter being adapted to removably receive and support the seat, and the flange and frame having portions detachably interengaging the flange and frame to prevent swinging movement of the side bars and thus to avoid collapse of the frame.

2,460,558
SLIDE RULE
Oscar Anton Wiberg, Finspong, Sweden
Application October 8, 1945, Serial No. 620,915
In Sweden October 11, 1944
6 Claims. (Cl. 235—70)

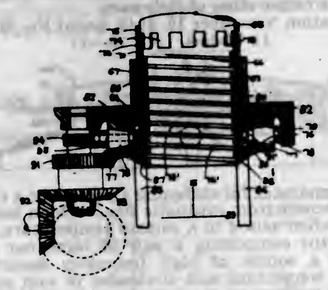


1. A slide rule comprising in combination, one or more rules having a slide-way and provided with graduations at the margins of said guideway, a slide adapted to reciprocate in said slideway, and means for lengthening or shortening said members with relation to each other by exerting a longitudinal stretching or compressing action thereon in order to effect accurate alinement of the graduations of the rule or rules with a graduation of the slide.

2,460,559
BLADE PITCH ADJUSTMENT
Ernest Wildhaber, Brighton, N. Y.
Application October 9, 1943, Serial No. 505,675
24 Claims. (Cl. 170—160.11)

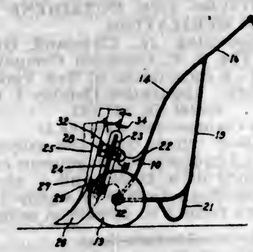
1. Blade pitch adjustment, comprising a rotatable hub, a plurality of blades mounted in said

hub on substantially radial centers for adjustment about and along said centers, the mounting means of a blade comprising a pair of circular members having multiple ways equally spaced



about their axes, rolling elements engaging said ways, a cage member for holding said rolling elements in position, means for turning one of said circular members on its axis, and positive means for turning the cage member at a reduced rate as compared with said one member.

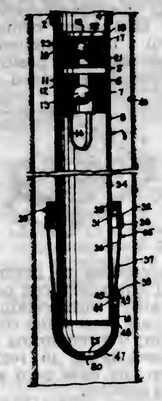
2,460,560
HAND SNOWPLOW
Horace Williams, Alliance, Ohio
Application September 27, 1946, Serial No. 699,755
5 Claims. (Cl. 37—53)



1. Hand snow plow construction including a frame having an inverted U-shaped member and a forked handle secured to the top thereof, an axle shaft mounted on the ends of said U-shaped member, an L-shaped central stiffening member secured at its upper end to said handle and having a forwardly projecting lower end connected to said axle shaft, wheels journaled on the ends of said shaft, and a snow-deflecting blade detachably mounted on said U-shaped frame member for up and down and forward and back adjustment.

2,460,561
APPARATUS FOR CEMENTING WELLS
Samuel A. Winkelmann, Houston, Tex., assignor of one-half to W. L. Goldston, Houston, Tex.
Application October 13, 1944, Serial No. 558,555
2 Claims. (Cl. 166—1)

1. The combination of a pipe in a well to be cemented and a cementing assembly including a float valve in the pipe, a latch release means above said valve but adapted to pass thereby upon the circulation of fluid under pressure past said valve, a slidable skirt about the pipe, means latching the skirt in collapsed position, said means being releasable by said latch release means in



response to the movement of said latch release means thereagainst by fluid pressure.

2,460,562
BOBBY PIN OPENER
Ted H. Worrell, Santa Paula, Calif.
Application December 13, 1946, Serial No. 715,996
3 Claims. (Cl. 132—1)

1. A bobby pin opener including a finger ring, and an upwardly extending member on said ring, said member having a transversely disposed tapered aperture to receive one arm of said pin while the other arm is deflected outwardly by frictional contact with the outer edge of said member, an inclined plane on one side of said member extending from the adjacent edge of the member to the larger end of said aperture, the axis of the aperture being parallel to the axis of the ring, and said inclined plane extending onto the ring.

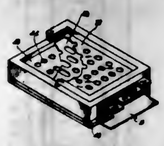
2,460,563
RELATIVELY MOVABLE MEMBERED PUZZLE
Arnold Zelvin, New York, N. Y.
Application May 8, 1946, Serial No. 668,067
4 Claims. (Cl. 273—155)

1. In a game device of the class described, a frame member, a base card disposed within and supported by the frame and containing on the upper face thereof a plurality of symbols, a plurality of parallel, stationary plates above said base card and supported by the frame in spaced relation, one above the other, each containing said valve, a slidable skirt about the pipe, means

thread at one end; a head member having three

2,460,571
APPARATUS AND METHOD FOR MAKING A

and in registry with all the said symbols on the base card, a plurality of slide sheets slidably supported within the frame and in superposed relation, there being one sheet between two adjacent plates, each of said sheets being independently movable between a predetermined retracted and a predetermined projected position, said sheets containing differently arranged apertured por-



tions therein according to predetermined patterns, certain of the apertured portions of each sheet being in registry with certain predetermined symbols on the base card when the sheet is in its retracted position, the remaining apertured portions in the sheet being in registry with the other symbols on the base card when the sheet is in its projected position.

2,460,564

CHLORINATION OF PHTHALIC ANHYDRIDE

Thad M. Amacker, Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. **Application September 11, 1946, Serial No. 696,376**

3 Claims. (Cl. 260—341)

2. In the preparation of chlorinated phthalic anhydride by a process which includes the steps of introducing chlorine into molten phthalic anhydride containing iron powder as a source of ferric chloride catalyst, condensing any vapors of phthalic anhydride to prevent a loss of the anhydride, and finally separating the chlorinated product from the ferric chloride catalyst, the additional steps which comprise adding to the molten anhydride the solvent tetrachloroethane, vaporizing this solvent, condensing the vapors of the solvent to liquid, and returning the liquid to the molten reaction mixture thereby to dissolve and return any sublimed phthalic anhydride, and finally evaporating the tetrachloroethane from the chlorinated product.

2,460,565

VAPOR PHASE CHLORINATION OF PHTHALIC ANHYDRIDE

Thad M. Amacker, Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. **Application September 11, 1946, Serial No. 696,377**

4 Claims. (Cl. 260—341)

1. A process for producing monochlorophthalic anhydride which comprises passing a gaseous mixture of substantially equimolecular proportions of phthalic anhydride and chlorine over a catalyst at a temperature in the range of about 250 to 400° C., the said catalyst comprising a solid polyvalent metal chloride selected from the group consisting of thorium chloride, cupric chloride, ferric chloride, calcium chloride, platinum chloride, and chromium chloride whereupon chemical reaction takes place to form gaseous monochlorophthalic anhydride, condensing the gaseous monochlorophthalic anhydride to liquid form and recovering substantially pure liquid monochlorophthalic anhydride.

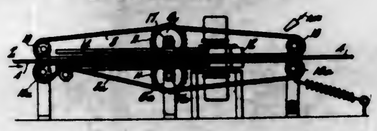
2,460,566

TREATMENT OF SYNTHETIC FIBERS AND APPARATUS THEREFOR

George H. Brown and Cyril N. Hoyler, Princeton, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application November 19, 1943, Serial No. 510,870

11 Claims. (Cl. 18—1)



1. Apparatus for stiffening a portion of a fabric sheet woven from synthetic fibers which become tacky when raised to a certain temperature, said apparatus comprising a pair of unheated electrodes, a source of high frequency electricity, means connecting said electrodes to said source for the production of an electrostatic field thereadjacent and therebetween, a belt consisting of heat and electrical insulating material contacting a surface of said electrodes, means including said electrodes and said belt for passing a portion of said fabric sheet through said electric field, in contact with a surface of said belt but out of contact with said electrodes, and means including said electrodes for exerting a predetermined pressure on a portion of said fabric sheet being subjected to said electric field.

2,460,567

AROMATIC MERCAPTO-ALIPHATIC ETHERS AS MODIFIERS FOR BUTADIENE EMULSION POLYMERIZATION

George L. Browning, Jr., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. **Application October 4, 1944, Serial No. 557,222**

8 Claims. (Cl. 260—86.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in aqueous emulsion in the presence of a beta-(p-alkyl phenoxy)-beta'-mercapto-diethyl ether in which the alkyl group contains from 4 to 12 carbon atoms.

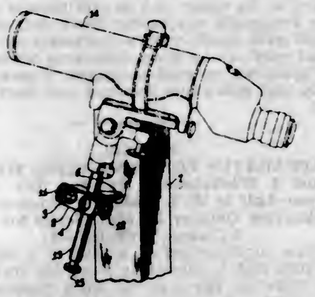
2,460,568

UNIPOD FOR OPTICAL INSTRUMENTS

Oswald Buehner, West New York, N. J.

Application June 11, 1946, Serial No. 676,015

1 Claim. (Cl. 248—216)



A support for optical instruments, comprising a post member having a tapered wood-screw thread at one end; a head member having three holes, two of said holes being at right angles having intersecting axes, the third hole being parallel to one of the others, said post member being rotatably fastened in said third hole of said head member, and fastening means whereby the instrument to be supported is held in one of said intersecting holes.

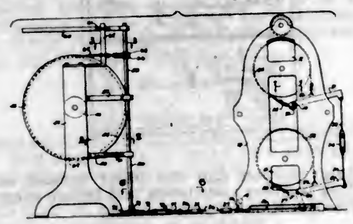
2,460,569

BRAKE AND TENSION FOR WARP BEAMERS

Charles W. Burrum, Augusta, Ga.

Application August 8, 1946, Serial No. 689,155

2 Claims. (Cl. 28—35)



2. In a tension frame for a warp beamer provided with two rotatable drums over which the warp in rope form passes to impart rotation to the drums, interconnected brakes for applying a braking action to the drums to impart tension to the warp, a rotatable shaft having a lever thereon and having a collar secured thereon, a flexible connection between the collar and one of the brakes, whereby rotation of the shaft in one direction will wind the flexible member onto the collar to increase the braking action of the brakes on said drums to increase the tension in the warp extending from said drums.

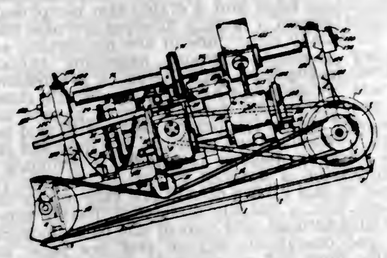
2,460,570

GRINDING MACHINE

Pliny Catucci, Kearny, N. J., assignor to William Crabb & Company, Newark, N. J., a corporation of New Jersey

Application April 21, 1945, Serial No. 589,511

2 Claims. (Cl. 51—79)



1. A grinding machine for sharpening the ends of rods and pieces of wire and the like which comprises a plate having parallel grooves therein for said rods or wire, revoluble spiral guides spaced from said grooves adapted to receive said rods or wire and move them laterally while maintaining them in parallel relation.

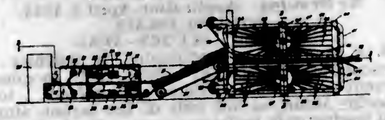
2,460,571

APPARATUS AND METHOD FOR MAKING A PLASTIC COMPOSITION AND PRODUCT

Randolph W. Chaffee, Normandy, Mo.

Application May 22, 1942, Serial No. 444,139

7 Claims. (Cl. 154—26)



1. A mechanism for use in making plastic material, comprising a chamber, a conveyor passing through the chamber, the conveyor having openings therethrough from top to bottom, air discharge means adapted to discharge a ribbon of air across the conveyor, bond discharge means providing a supply of powdered bond across the conveyor and in the path of the ribbon of air, and means to deflect the air stream onto one side of the conveyor.

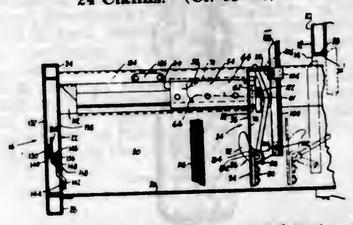
2,460,572

COMBINED CABINET AND DRAWER WITH COMPRESSING AND SIGNALING MEANS

Milton Effros, New York, and Charles E. Mills, Floral Park, N. Y.

Application November 16, 1943, Serial No. 510,485

24 Claims. (Cl. 45—2)



7. The combination with a cabinet, and a drawer mounted for movement into and out of the cabinet through an opening in a wall of the cabinet, the drawer providing means for retaining a plurality of cards in stacked relationship, of a wall movable in the drawer for compressing the stacked cards, a signal carried by the movable wall, means tending normally to move the signal relatively to the movable wall and the cabinet to indicate the position of the movable wall in relation to the cards, and means carried by the movable wall and for engagement by cards being compressed to move the signal out of the normal position.

2,460,573

INTERPOLYMERS OF VINYLIDENE HALIDES, DIALKYL ESTERS OF MALEIC ACID, AND VINYL ESTERS AND METHOD OF MAKING SAME

Vernon L. Folt, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. **Application April 10, 1946, Serial No. 661,079**

10 Claims. (Cl. 260—78.5)

1. An interpolymer prepared by polymerizing in aqueous dispersion a mixture of monomeric materials consisting of from 30 to 95% of a vinylidene halide, from 1 to 45% of a dialkyl ester of maleic acid having not more than six carbon atoms in each of said alkyl groups, and from 1 to 25% of a vinyl halide.

2,460,574

VINYL CHLORIDE POLYMERS PLASTICIZED

said regular and auxiliary printing devices, a cir-

2,460,578

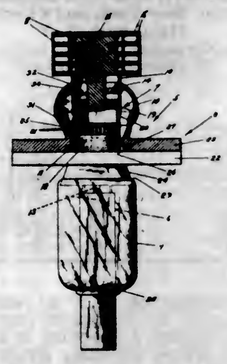
SOLUTIONS OF VINYLIDENE CHLORIDE

supporting the sealing means outside the space by radially expandable means, and introducing into said space a fluid under sufficiently high

2,460,574
VINYL CHLORIDE POLYMERS PLASTICIZED WITH DIALKYL CHLOROPHTHALATES
Thomas L. Gresham, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 5, 1945, Serial No. 586,819
8 Claims. (Cl. 260—31.8)

8. A composition comprising a polymer of monomeric material in which each monomer present is a chloroethylene having from 1 to 2 chlorine atoms on one only of the carbon atoms and having only hydrogen atoms attached to the remaining valences of the carbon atoms, plasticized with a dialkyl chloro-phthalate containing a total of between 7 and 23 carbon atoms in the two alkyl groups.

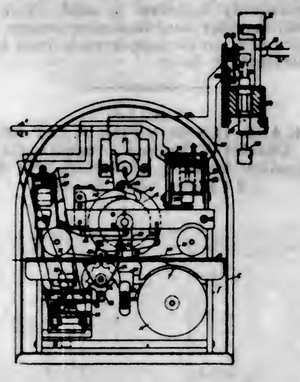
2,460,575
ELECTRON DISCHARGE DEVICE SEAL
Per Roland Hanson, Winchester, and Harold W. Ulmer, Belmont, Mass., assignors to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application May 21, 1945, Serial No. 594,850
6 Claims. (Cl. 250—27.5)



1. In an electron-discharge device: a plurality of electrodes; means, connected to one of said electrodes, for conducting therefrom heat developed therein; means, spaced from said first-named means, and electrically connected to said last-named electrode, for conducting electrical energy between said last-named electrode and an external circuit; an envelope sealed to the outer surface of said second-named means; and a continuous strip of the same material as said envelope, secured to the inner surface of said second-named means in the region of contact between said envelope and said second-named means.

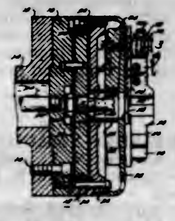
2,460,576
TAPE TIME RECORDER WITH DIFFERENTIATED RECORDS
Harold E. Hobby, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application October 13, 1945, Serial No. 622,153
3 Claims. (Cl. 101—93)

1. In a time recorder having a record sheet, sheet feeding means, and periodically advanced printing devices, in combination, an auxiliary printing device bearing two different printing symbols, an impression hammer, a solenoid to move said hammer to make an impression from said regular and auxiliary printing devices, a circuit for said solenoid, and means to shift said auxiliary printing device to move one symbol into



printing position and the other symbol out of printing position alternately and before each successive operation of said hammer.

2,460,577
DIAPHRAGM CHUCK
George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application June 10, 1947, Serial No. 753,786
5 Claims. (Cl. 279—46)



1. In a diaphragm chuck of the class including a mounting plate and a diaphragm peripherally secured thereto, a radially directed jaw base fixed to the axially outer face of the diaphragm and having a dovetail groove extending radially thereof in the outer face thereof, a jaw received by said jaw base and having a dovetail rib thereon received in the dovetail groove of said jaw base, and means for locking said jaw to said jaw base, the combination with said jaw base and jaw of a back-up member for said jaw including a body having a dovetail projection thereon received in said groove of said jaw base at one end of said jaw, a radially directed adjusting screw threaded through said body of said back-up member and operatively engage said jaw base, the axially inner end of said back-up member being slotted in a plane radial of the axis of said chuck, and a screw projected through said back-up member in parallel relation with respect to the axis of said chuck and threading into said jaw base, said screw and back-up member having complementary frusto-conical surfaces acting to spread such slotted end of said back-up member in said groove upon tightening of said screw.

2,460,578
SOLUTIONS OF VINYLIDENE CHLORIDE POLYMERS IN AMIDE SOLVENTS
Ray Clyde Houtz, Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1947, Serial No. 738,729
21 Claims. (Cl. 260—32.6)

2. As a new composition of matter, a polymer of vinylidene chloride containing in the polymer molecule at least 95% by weight of vinylidene chloride dissolved in a solvent comprising an amide selected from the group consisting of N,N-diethylacetamide, N,N-dibutyllauramide, N,N-diphenyllauramide, N,N-diphenylcrotonamide, N,N-dimethyl methyl carbamate, N,N-dimethyl methoxy acetamide, N,N,N',N'-tetramethyladipamide, N,N,N',N'-tetraethyladipamide, N,N,N',N'-tetramethyloxamide, tetramethyl urea and N-acetyl piperidine.

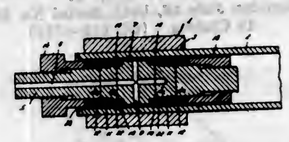
2,460,579
SOLUTIONS OF VINYLIDENE CHLORIDE POLYMERS IN A SOLVENT CONTAINING A SULFOXY GROUP
Ray Clyde Houtz, Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 1, 1947, Serial No. 738,730
21 Claims. (Cl. 260—30.8)

2. As a new composition of matter, a polymer of vinylidene chloride containing in the polymer molecule at least 95% by weight of vinylidene chloride dissolved in a solvent comprising a sulfoxy compound selected from the group consisting of diphenyl sulfoxide, dibenzyl sulfoxide, tetramethylene sulfone, alpha-methyltetramethylene sulfone, beta-methylenetetramethylene sulfone, 2,2-bis(ethylsulfonyl) propane, 2,2-bis-(ethylsulfonyl) butane, N-amylbenzenesulfonamide, N-amyl - p - toluenesulfonamide, N,N-diamyl-p-toluenesulfonamide, N - ethyl-p-toluenesulfonamide, N,N-dibutylbenzenesulfonamide, N-(p-toluenesulfonyl) piperidine, N-butylchlorobenzenesulfonamide, N - isobutylcyclohexanesulfonamide.

2,460,580
METHOD AND DEVICE FOR FIXING AND SEALING TUBES IN A PARTITION WALL BY USE OF FLUID PRESSURE
Walter Huber, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application March 18, 1943, Serial No. 479,601
In Switzerland March 31, 1942
15 Claims. (Cl. 153—79)

1. Apparatus for fixing and sealing a tube in a partition which comprises a body member to be inserted into the tube to be fixed, a pair of sealing means surrounding the body member and forming between them a space around the body member, means whereby a fluid under pressure may be introduced into said space, radially expandable means mounted on the body member for supporting said sealing means on the side thereof opposite to said space, and means on the body member for holding said supporting means against axial movement.

5. The method of fixing and sealing a plurality of tubes in a partition wall which comprises inserting each tube in a hole in the partition wall, forming a space inside the tube within the wall hole, sealing said space at both ends, supporting the sealing means outside the space by radially expandable means, and introducing into said space a fluid under sufficiently high pressure to enlarge the tube and simultaneously



radially expand the sealing means and its support to such an extent as to bring the support to bear on the tube wall during the enlargement of the tube wall.

2,460,581
REACTION PRODUCTS OF THIURAM DISULFIDES AND ALKYLENE IMINES
Jacob Eden Jansen, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application April 30, 1945, Serial No. 591,223
5 Claims. (Cl. 260—239)

1. A viscous oily reaction product, useful as an accelerator and activator for the vulcanization of rubber, prepared by bringing together, in an inert liquid diluent, reactants consisting of one molecular proportion of a thiuram disulfide having at least one hydrogen atom in an amino group, and two to four molecular proportions of an alkylene imine, maintaining the reactants at a temperature between room temperature and about 35° C. until heat of reaction is no longer evolved, and then removing the inert diluent.

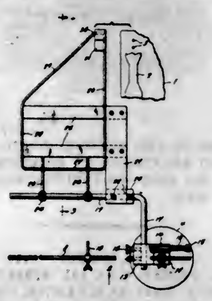
2,460,582
DRYING POLYMERIC MATERIALS
Archie B. Japs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 4, 1946, Serial No. 674,383
3 Claims. (Cl. 260—29.6)

1. In a method of preparing a water-free plasticized polymer of a monomeric material comprising predominantly a chloroethylene having from one to two chlorine atoms on one only of the carbon atoms, from a mixture of said polymer with water containing less than 80% by weight of water, the steps which comprise mixing said polymer-water mixture with a water-immiscible liquid plasticizer in which said polymer is substantially insoluble at temperatures up to 50° C. and in which said polymer is soluble at temperatures above 75° C., in proportions such that there is present from 0.2 to 4.0 parts by weight of said plasticizer to one part of said polymer and the polymer-water mixture is present dispersed in said plasticizer, inverting the phases to form a dispersion of polymer in said plasticizer and a separable aqueous phase, removing said aqueous phase from contact with the said polymer-plasticizer dispersion, heating said polymer-plasticizer dispersion at 50° C. to remove residual traces of moisture, and further heating the said water-free polymer-plasticizer dispersion at 150 to 250° C. to dissolve the polymer in said plasticizer and to form a homogeneous water-free, fully-plasticized polymer.

2,460,583

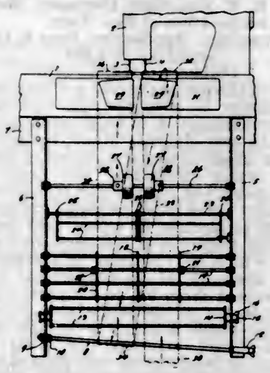
reception by a plate hook, and a retainer plate

2,460,583
ADJUSTABLE FABRIC GUIDING ATTACHMENT
George Kahn, Lawrence, and Leo Schwartz, New York, N. Y.
Application July 26, 1945, Serial No. 607,148
10 Claims. (Cl. 112—152)



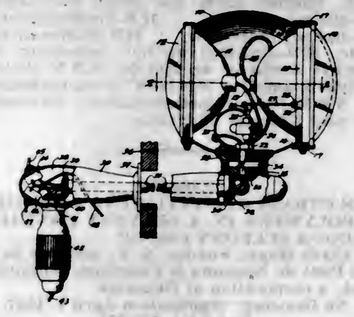
1. Fabric guiding attachment for sewing machines comprising a standard, an arm at the upper part thereof extending horizontally over which fabric is adapted to pass, a horizontal extension below said arm, a substantially flat horizontal guide frame secured to said extension and terminating adjacent to the needle of said machine, said guide-frame being adjustable on said extension, one edge of said frame being at 45° to the line of travel of fabric being sewed, said fabric passing over said arm and on said frame across the front of said machine, then over said 45° portion and under said needle.

2,460,584
FABRIC GUIDING DEVICE AND METHOD
George Kahn, Lawrence, and Leo Schwartz, New York, N. Y.
Application July 26, 1945, Serial No. 607,149
16 Claims. (Cl. 112—152)



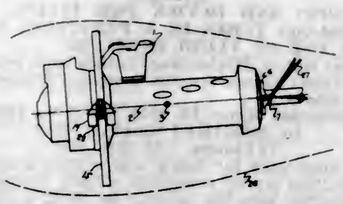
1. A fabric guide for sewing machines comprising a frame attached to the bed of a sewing machine forwardly of and below the same, a rod secured in said frame and adapted for adjustment in a plurality of positions at an acute angle to the horizontal to guide fabric into said machine, said frame including a pair of depending lateral members, one end of said rod being mounted on one of said members for pivotal movement, the other end of said rod being mounted in the other member, and means for clamping said other end in a plurality of positions in a vertical plane.

2,460,585
WARNING LIGHT AND SEARCHLIGHT COMBINATION
Jeremiah D. Kennelly, Oak Park, Ill.
Application January 31, 1947, Serial No. 725,689
5 Claims. (Cl. 177—327)



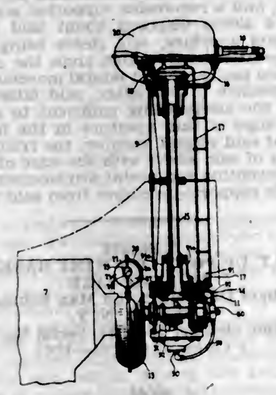
1. In a manually controlled light structure having an arm extending through the wall of a vehicle, a casing rotatably mounted on said arm, a pair of angularly disposed lights mounted on said casing, said casing having openings for said lights and at least one of said lights being movably mounted; power means for oscillating said movably mounted light, and means associated with the inner end of said arm and with said casing for moving said casing relatively to said arm.

2,460,586
ENGINE MOUNTING
William A. Keetch, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application March 3, 1945, Serial No. 580,839
3 Claims. (Cl. 248—5)



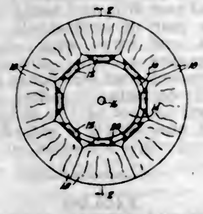
1. In an engine having cylinders spaced along its crankshaft, a three point suspension of rubber sandwich mountings arranged transverse to the crankshaft so as to yield in shear in any direction in planes transverse to the crankshaft and spaced on opposite sides of the center of gravity of the engine, two of the sandwiches being at one end of the engine and spaced on opposite sides of the crankshaft so as to sustain torsional vibrations in shear, and the third sandwich being arranged at the other end of the engine adjacent the crankshaft so as to offer negligible resistance to torsional vibrations.

2,460,587
AIRPLANE DRIVE
Victor A. Larsen, Altadena, Calif., assignor, by mesne assignments, to Gustav Hanke, Massapoqua, N. Y.
Application November 9, 1942, Serial No. 464,958
8 Claims. (Cl. 170—135.75)



1. In an airplane, an engine, a propeller located at a point remote from the engine and out of line with the engine crankshaft, driving means between the engine and the propeller whereby the propeller may be driven from the engine, including an impeller member having recesses therein for the reception of a driving fluid and vanes for setting up a rotational movement of said driving fluid, an impelled member for receiving a driving fluid and vanes to be impelled by a driven fluid, a driving fluid between said impeller member and said impelled member, and a housing to prevent escape of said driving fluid, said housing being mounted at one end to said impeller and in slidable contact with the impelled member at the other end, and flexible means provided in said housing to prevent the transmission of vibrations from one point of contact to the other through said housing.

2,460,588
BUFFING WHEEL
John F. Leslie, Mishawaka, Ind.
Application September 1, 1948, Serial No. 47,207
9 Claims. (Cl. 51—193)



1. A buffing wheel comprising a metal plate having a central mounting aperture and a plurality of integral inwardly return-bent hooks spaced uniformly about the margin of the plate and equally spaced from said aperture, a plurality of fabric buffing members, a metal eye member carried by the center of each fabric member for reception by a plate hook, and a retainer plate bearing against said first plate with its margin adjacent the mouths of said hooks to prevent disengagement of said hook and eye.

2,460,589
ARM SUPPORT
Ada V. Lewis, Baltimore, Md.
Application July 27, 1945, Serial No. 607,314
1 Claim. (Cl. 128—94)

An arm sling of the class described comprising a single shoulder strap formed of a continuous band of flexible material arranged for placement over one shoulder of a wearer on the side of the injured arm to straddle the shoulder and extend in front of the wearer alongside the injured arm down to the elbow, forming a loop around the forearm adjacent the elbow and folding back along the back side of the injured arm to a point where it joins and is secured to the portion of the band on the back side of the wearer, the band extending from this point diagonally across the back of the wearer towards the other arm and away from the armpit and terminating in a loop portion reaching from the back under the arm to the front of the body and of predetermined size to slip on and encircle the wrist portion of the injured arm, and a brace loop fastened in two places to said shoulder strap adjacent the portion looped around the injured forearm so as to restrain the arm from outward movement from the body, said portion of the strap extending diagonally across the back of the wearer constituting the only connection between the shoulder portion of the strap and the portion thereof looped around the wrist of the wearer.

2,460,590
ELECTRIC RESISTANCE ELEMENT AND METHOD OF HEAT-TREATMENT
James M. Lohr, Morristown, N. J., assignor to Driver-Harris Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 11, 1946, Serial No. 669,103
6 Claims. (Cl. 201—76)

1. An electrical resistance element comprising an alloy consisting essentially of 2 to 4 percent aluminum, .30 to 6.0 percent iron, 10 to 30 percent chromium, balance nickel, that has been annealed at a temperature of about 1700° F. to 2000° F. and heat treated for a period of 1 to 5 hours at a temperature of 900° F. to 1100° F., and having a temperature coefficient of resistance below .00006.

2,460,591
DENTAL FLOSS TOOTH CLEANING APPARATUS
Thomas E. Luxar, Chicago, Ill.
Application November 29, 1946, Serial No. 712,785
3 Claims. (Cl. 132—92)

1. A dental strand holding and tensioning device comprising a tubular handle closed at one end and open at the other end and constituting a receptacle for a roll of dental floss, the open end of the tube having a smooth interior sur-

face, a bow-shaped frame having a shank making

stantially parallel with the horizontal portion of

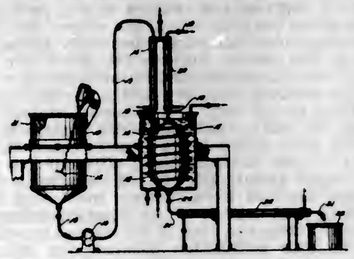
2,460,596
CUSHION SUPPORT

reciprocal movement on said frame, a magazine insertable in said handle portion, and a with-

face, a bow-shaped frame having a shank making a snug sliding fit in the end of the handle, a portion of the length of the shank that extends into the tube having a slot in the surface thereof for receiving a portion of the length of a dental strand, the slot terminating within the portion

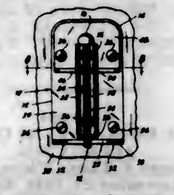
of the shank that is inside the tube and at a portion thereof being of a depth less than the thickness of a dental strand held in the device so that the strand may be wedged and locked between the shank and the inner surface of the end of the tube.

2,460,592
GENERATION OF MONOMERIC FORMALDEHYDE GAS FROM FORMALDEHYDE POLYMERS
Arthur R. Miller, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 1, 1945, Serial No. 591,390
5 Claims. (Cl. 260—606)



1. A method of generating substantially pure monomeric formaldehyde from a polymer of formaldehyde which comprises metering said polymeric form into a heated generating zone as a suspension of finely divided particles in a liquid carrier having a vapor pressure of not exceeding 15 m. m. Hg at 200° C., whereby the polymeric form is converted to formaldehyde and the liquid carrier remains unchanged.

2,460,593
SUPPORT
Arthur E. Nelson, University City, Mo.
Application January 26, 1946, Serial No. 643,544
2 Claims. (Cl. 248—309)



1. In combination, a bracket construction comprising a first member adapted to be fixed to a wall and including a vertical portion and a horizontal portion, a second member secured to the vertical portion of the said first member and having a horizontal portion spaced from and substantially parallel with the horizontal portion of said first member, an aperture in said horizontal portion of said second member, a slot in said horizontal portion of said second member extending from the aperture to the edge of said horizontal member, a post secured to said horizontal portion of said first member and extending through said aperture, and a removable supported member including a sleeve disposed about said post and within said aperture, said sleeve being of sufficiently greater cross section than the cross section of said post to permit lateral movement of the former relative to the latter, said lateral movement of the sleeve being sufficient to engage it with an edge of said aperture in the horizontal portion of said second member, the frictional engagement of said sleeve with the edge of said aperture preventing accidental displacement of said removable supported member from said post.

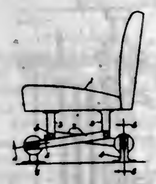
2,460,594
BUILT-UP POST FOR WIRE BASKETS AND THE LIKE
William Obernauer and Max Schuster, New York, N. Y.
Application October 16, 1947, Serial No. 780,270
1 Claim. (Cl. 211—126)

A device of the character described comprising a longitudinal thin rod which at its half way point is bent horizontally to form a V whose shanks constitute the beginning of two identical sections of said rod and are bent at their extremities laterally to a point from whence they are bent downwardly and partially back to form two horizontally opposing loops, the lower end portions of the loop forming parts of said sections being bent downwardly to form the vertical downwardly diverging main portions of an upright post, at the lower end of said main portions both sections of the thin rod being bent rectangularly horizontally in the same plane, and the extremities of said thin rod being bent back and shaped as a pair of horizontally opposing resilient hooks, said loops being adapted for detachably engaging a corner portion of the rim of an upper basket, and said hooks being adapted for detachably engaging a corner portion of the rim of a lower basket of the same size as said upper basket and which is placed beneath the latter in spaced relation thereof, all substantially as described.

2,460,595
DENTAL METAL ALLOYS
Joseph Reich, Tel Aviv, Palestine
No Drawing. Application May 25, 1945, Serial No. 595,877. In Palestine June 26, 1944
1 Claim. (Cl. 75—134)

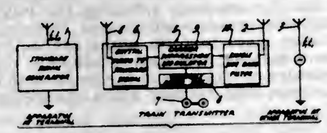
An alloy composed of the following in parts by weight: 1 Au, 1 Pt, 1 Ni, 1 Zn, 10 Ag, 13 Pd and 21 Cu.

2,460,596
CUSHION SUPPORT
Paul C. Roche, Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application September 16, 1944, Serial No. 554,404
7 Claims. (Cl. 248—358)



1. In a support, crossed load supporting arms having load transmitting connections at opposite sides of the crossover for connection between a load and its support, the connections at one end of each of said arms comprising pivot joints, and the connections at the other ends of said arms comprising torsion spring joints resisting angular movement of the arms, said torsion joints comprising opposed joint members relatively movable angularly and length wise of the arms, and an element of rubber like material between and fixed to the joint members resisting the relative movements of the joint members.

2,460,597
POSITION INDICATION AND CONTROL SYSTEM
Lionel M. Rodgers, Springfield Township, Montgomery County, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application August 4, 1945, Serial No. 608,953
2 Claims. (Cl. 177—353)



2. In a system for indicating at a remote point the locations of a plurality of movable objects, means at said remote point for transmitting a single signal of radio frequency, means at each of said objects for receiving said signal, means at each of said objects effective to generate a signal having a frequency differing from said first signal by an amount which is a function of the distance of said object from said remote point, apparatus at each of said objects for transmitting the last-named signals, and means for comparing the frequency of said first-named signal with the frequency of each of said last-named signals and for utilizing the difference in said frequencies to indicate the locations of said objects.

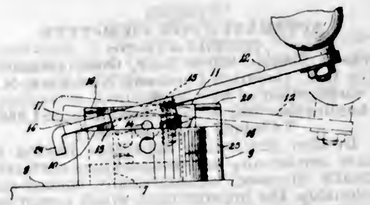
2,460,598
MAGAZINE PISTOL SAFETY AND COCKING MECHANISM
Frank D. Rosvall, Worcester, Mass.
Application February 1, 1944, Serial No. 520,606
4 Claims. (Cl. 42—7)

1. A magazine pistol comprising a frame having a handle portion, a breech-block mounted for reciprocal movement on said frame, a magazine insertable in said handle portion, and a withdrawing member engaged by the magazine as it is inserted in said handle portion and coacting with said breech-block to move said breech-block rearwardly during such magazine insertion, said

member clearing and releasing said breech-block for return to normal forward position as such magazine insertion is completed, and said withdrawing member thereafter remaining in rearward position but being returned to its original forward position by subsequent removal of the empty magazine from said handle portion.

3. In a magazine pistol, a frame, a firing pin, a sear effective to engage and hold said pin, a safety device effective to lock said sear from pin-releasing movement, a magazine insertable in said frame, and means to unlock said sear by insertion of said magazine and to restore said sear to locked condition by completion of such insertion.

2,460,599
ELECTRIC SWITCH ACTUATOR
Raymond N. Rowe, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application October 3, 1945, Serial No. 619,999
12 Claims. (Cl. 74—565)

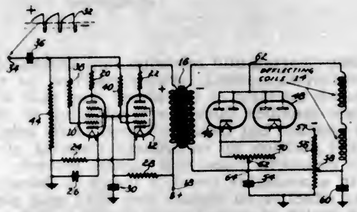


1. In a two-position electric switch, a rotatable actuating shaft, a handle hinged to said shaft permitting said handle to be tilted, said handle having an extension beyond said shaft, stops standing in the path of movement of said handle and said extension respectively and a spring tilting said handle so that it can be rotated in one direction, the handle being rotatable in the other direction only when the spring is compressed, said stops having overhanging lips for interrupting the movement of said handle and said extension.

2,460,600
AMINO ALCOHOLS AS SOFTENERS IN BUTADIENE-STYRENE COPOLYMERS
Donald V. Sarbach, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1944, Serial No. 565,809
2 Claims. (Cl. 260—32.6)

1. A plastic unvulcanized synthetic rubber composition comprising a copolymer of butadiene and styrene and as the sole softening and plasticizing agent, 10 to 20 parts by weight of triethanolamine for each 100 parts by weight of the copolymer.

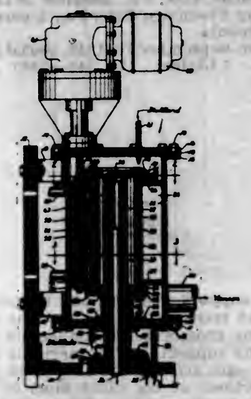
2,460,601
CATHODE-RAY TUBE DEFLECTING SYSTEM
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 18, 1945, Serial No. 573,437
4 Claims. (Cl. 175—335)



1. In a circuit arrangement of the type in which cyclically varying current having a wave form a portion of each cycle of which is linear with respect to time is caused to flow through an inductive member having distributed capacity, the combination of a rectifier circuit connected across said inductive member, said rectifier circuit including an unby-passed resistance element and a unilaterally conducting device in series, and means for adjusting the value of said resistance element to change the resistance of said rectifier circuit as it appears across said inductive member to thereby maintain the linearity of said wave form portion.

2,460,602
APPARATUS FOR FILM-TYPE DISTILLATIONS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 4, 1945, Serial No. 591,960
7 Claims. (Cl. 202—205)

5. In film distillation apparatus having stationary condensing and evaporation surfaces in vertically disposed, concentrically spaced-apart relationship, the improvement which comprises a plurality of freely rotatable rollers mounted between said evaporation surface and said condensing surface, but out of contact with said condensing surface, and mounted so as to travel over said evaporation surface and spread distilland thereon in a thin film by a calendering action, an upper ring structure rotatably supporting the upper ends of said rollers, means for rotating the ring and roller assembly to effect repeated distribution of said film on said evaporation surface, means for delivering distilland to said ring at a point in the circumference thereof so that said distilland is distributed around the entire circumference of said evaporation surface during the positive rotational travel of said ring, means for withdrawing distillate from the condensing



surface, means for withdrawing undistilled residue from said evaporation surface, and means for evacuating the space between said surfaces.

2,460,603
PREPARATION OF ALPHA-CYANO ESTERS
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application September 11, 1946, Serial No. 696,355
3 Claims. (Cl. 260—465.4)

1. A process for the preparation of alpha-cyanoethyl acetate which comprises mixing acetone cyanhydrin, vinyl acetate and from 1 to 5%, based on the combined weight of acetone cyanhydrin and vinyl acetate, of an alkaline catalyst for the reaction, refluxing the mixture at atmospheric pressure whereupon chemical reaction takes place to form alpha-cyanoethyl acetate and acetone, and then fractionally distilling the mixture resulting from the reaction to remove the acetone and recover alpha-cyanoethyl acetate.

2,460,604
VENTILATOR
Burton B. Simcox, Knoxville, Tenn.
Application August 9, 1944, Serial No. 548,649
4 Claims. (Cl. 98—13)

1. A ventilator adapted to be tensionally and rotatably held in a circular hole in an enclosing wall of a vehicle comprising a cylindrical portion of flexible material having an outside dimension which is slightly larger than the hole in the vehicle wall and having a cut-away portion extending from its inner end towards its outer end so that the inner end of the cylindrical portion can be compressed for insertion into the hole, a cap member closing the outer end of the cylindrical portion and having portions thereof extending outwardly beyond the outer surface of the cylindrical member, the cylindrical member having means projecting outwardly from its inner end for normally preventing the ventilator from moving entirely out of the hole, said cylindrical member having a projection intermediate its ends and on its exterior surface to prevent inward or outward movement of the ventilator relative to the enclosing wall except when the cylindrical member is compressed.

2,460,605
APPARATUS FOR FEEDING FLOWABLE MATERIAL FROM A PLURALITY OF CONTAINERS
John A. Soissa, Winnetka, Ill., assignor to Certain-teed Products Corporation, Chicago, Ill., a corporation of Maryland
Original application May 7, 1941, Serial No. 392,261. Divided and this application August 7, 1944, Serial No. 548,436
13 Claims. (Cl. 222—14)

1. Apparatus for control of flowable comminuted material which comprises a plurality of containers for containing separate supplies of comminuted material and each having an outlet opening in a wall thereof, a plurality of flow governing means respectively associated with said outlet openings respectively to govern flow of comminuted material from said supplies, a hopper providing an accumulating space for accumulation therein of comminuted material discharged from said containers, conduit means for conducting comminuted material discharged from at least two selected ones of said supply containers to said hopper, and control means comprising a yielding part actuated by pressure thereagainst by the accumulated comminuted material in said hopper and connected to the flow governing means of said selective supply containers for successively starting and stopping the flow of the comminuted material from said selected containers for delivery to said hopper of predetermined amounts of each of said comminuted materials.

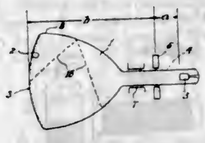
2,460,606
CREATINE AND CREATININE AS CATALYSTS FOR POLYMERIZATION OF BUTADIENE
William D. Stewart, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application December 21, 1943, Serial No. 515,150
5 Claims. (Cl. 260—84.5)

5. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in an aqueous emulsion in which the sole emulsifying agent is soap in the presence of a catalytic amount which is from 0.1 to 1.0% by weight based on the amount of material polymerized, of a compound selected from the class consisting of creatine and creatinine.

2,460,607
PUSH-BUTTON MEANS
Perry W. Sullivan, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application May 2, 1946, Serial No. 666,800
3 Claims. (Cl. 292—1)

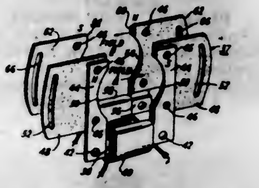
1. Push button means comprising a cup-shaped socket member, a cup-shaped push button member telescopically arranged with respect to said socket member with the open end of said push button member extending into the open end of said socket member, said socket member having a slot extending lengthwise thereof and said push button member having a lug element fitting in said slot for preventing rotation of said push button member relative to said socket member, spring means between said socket and push button members for normally biasing the latter outwardly of said socket member, a stationary lip member mounted in fixed relation with respect to said cup-shaped members and having a portion disposed adjacent the open end of said socket member adapted to be engaged by said lug element of said push button member to limit the outward movement of the latter away from said socket member by said spring means, said lip member being adapted to be engaged with the fingers of one hand to effect a leverage therethrough to the thumb adapted to have engagement with said push button member to move the latter inwardly of said socket member against the force of said spring means.

2,460,608
CATHODE-RAY TUBE
Constantin S. Szegho, Chicago, Ill., assignor to The Raulan̂d Corporation, Chicago, Ill., a corporation of Illinois
Application January 12, 1945, Serial No. 572,456
14 Claims. (Cl. 250—141)



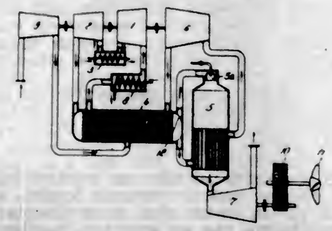
1. In a cathode ray tube, an envelope having a main chamber with a reentrant portion, a fluorescent screen within said main chamber, said envelope having also an auxiliary chamber within the reentrant portion, means for producing an electron beam within said auxiliary chamber, and means enclosing within said reentrant portion for deflecting said electron beam.

2,460,609
BEAM ALIGNING APPARATUS
Charles Edward Torsch, Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1946, Serial No. 644,262
6 Claims. (Cl. 250—162)



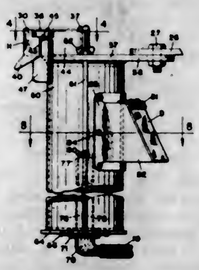
1. Apparatus for re-aligning the electron scanning beam in a cathode ray tube of the type in which the ions in the developed cathode ray beam are separated therefrom through the medium of an electrostatic field which acts to bend both the ions and the electrons in the developed cathode ray beam away from the axis of the cathode ray tube, said apparatus comprising means for producing a first electromagnetic field, acting substantially transversely to the axis of the cathode ray tube, whereby the electrons which have been bent away from the axis of the cathode ray tube by the action of said electrostatic field are caused to follow a path which intersects the axis of said tube, while the ions are substantially unaffected by said first electromagnetic field, means for producing a second electromagnetic field also acting substantially transversely to the axis of said cathode ray tube and in a direction normally opposite to that of said first electromagnetic field, whereby the electrons following said path are caused to be deviated by said second electromagnetic field in such a manner as to follow a new path which is substantially coincident with the axis of said cathode ray tube, and further means for permitting a limited rotational adjustment of said second-mentioned means about said axis and relative to said first-mentioned means, whereby the normally opposite direction of said second electromagnetic field relative to said first electromagnetic field may be altered.

2,460,610
GAS TURBINE PLANT
Walter Traupel, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application January 28, 1944, Serial No. 520,048
In Switzerland May 8, 1943
2 Claims. (Cl. 60—49)



1. A gas tubine plant comprising compressor means, a heater, a gas turbine, conduit means connecting the compressor means, the heater and the gas turbine and forming a circuit for a gaseous working medium to flow serially through said compressor means, said heater and said turbine, a fuel burner for the heater, means for withdrawing a portion of the gaseous working medium from said circuit and conducting it to said burner to form one of the constituents of a combustible mixture, a turbine for delivering the useful output of the plant at varying speeds, said last-named turbine being driven by exhaust gases from said heater, and a make-up compressor connected to the circuit for the working medium for delivering compressed working medium to said circuit, said first-mentioned turbine driving said compressor means at substantially a constant speed, the pressure of the working medium in the circuit varying in accordance with variations of the load on the circuit, the curvature of at least the majority of the blades of the useful output turbine being sharper than the curvature of the majority of the blades of the turbine which drives the compressor means, whereby the overall efficiency of the plant is increased.

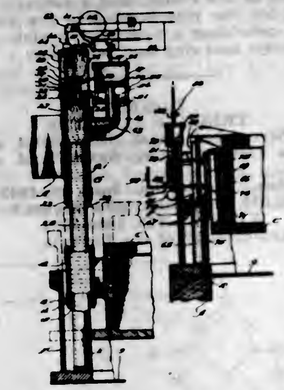
2,460,611
PNEUMATIC THREAD HOLDER FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application October 9, 1946, Serial No. 702,197
13 Claims. (Cl. 139—247)



1. In a pneumatic thread holder having an intake mouth for the weft ends extending from reserve bobbins in a loom provided with pneumatic means to create subatmospheric pressures, hollow means communicating pneumatically with said mouth, a thread accumulator under said hollow means pneumatically connected to the latter by means of an opening in said hollow means and also connected pneumatically to said pneumatic means, a thread guide within the hollow means having a substantially vertical thread engaging edge intermediate the mouth and opening along which the weft ends extend, said hollow means having a thread slot extending upwardly from the lower part thereof and causing a draft of air to be directed upwardly against said weft ends.

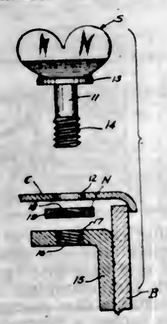
2,460,612
PRESS WITH HYDRAULICALLY CONTROLLED BLANK HOLDER
David C. Verson, Chicago, Ill., assignor to Verson Allsteel Press Company, Chicago, Ill., a corporation of Delaware
Application April 26, 1943, Serial No. 484,585
18 Claims. (Cl. 113—45)

1. A punch press having a crank driven work slide and a blank holder slide, characterized by an hydraulic system for interlocking the two slides, said system including a pair of reversely acting cylinder-plunger sets connected to the two slides, so that as one set expands, the other set contracts when relative movement occurs between the two slides, a fluid connection between the cylinder-plunger sets so that liquid may transfer from the contracting to the expanding



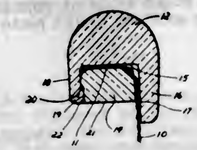
set to permit relative movement therebetween, a solenoid valve in the fluid connection to prevent transferring of liquid and thereby interlock the two slides, a circuit including a switch for controlling the valve, and a cam driven by the crank shaft for timing the opening and closing of said switch.

2,460,613
CAPTIVE SCREW ASSEMBLY
Roderick J. Whelan and Robert A. Reich, Berea, Ohio, assignors to The Ohio Nut & Bolt Company, Berea, Ohio, a corporation of Ohio
Application April 12, 1945, Serial No. 587,864
4 Claims. (Cl. 292—251)



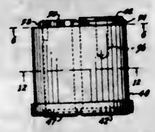
4. A captive screw assembly for detachably securing two members together including in combination a screw having a head, a threaded portion having rolled threads formed thereon and an intermediate unthreaded portion of a diameter substantially equal to the pitch diameter of said thread, said intermediate unthreaded portion being disposed between the head and said threaded portion and having a length at least equal to the length of said threaded portion; and a nut having an opening of slightly larger diameter than said unthreaded portion of the screw whereby the nut may have free rotary and longitudinal movement on said unthreaded portion, said opening in the nut having a minimum diameter less than the major diameter of said threaded portion of said screw and having threads of major diameter, pitch and configuration to permit the threaded portion of said screw to be screwed therethrough, said nut being disposed on said intermediate unthreaded portion of said screw in non-gripping relation to said two members when the assembly is in use.

2,460,614
STRAINER
Myron J. Zimmer, Wood Dale, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application December 5, 1945, Serial No. 632,965
4 Claims. (Cl. 210—161)



1. In a strainer, a wire mesh bowl having an integral flange surrounding and extending laterally outwardly from its upper edge, a continuous member having a seat with which the upper surface of said flange is engaged, a continuous inner wall integral with and extending downwardly from the inner limits of said seat with which the inner surface of the upper side wall portion of the bowl is engaged, a continuous outer wall integral with and extending downwardly from said seat in spaced encircling relation to said inner wall and having an inwardly offset lower portion on its inner surface providing an upwardly facing seat between the upper and lower limits thereof, a second rim member insertable under tension into a final position between said inner and outer walls of the first rim member so as to bear upon the surfaces of said flange and said upper side wall portion of the bowl opposite to the surfaces thereof in engagement with the seat and inner wall of said first rim member, said second rim member having a downwardly facing shoulder with which said shoulder on the outer wall of the first rim member cooperates to detachably lock said rim members against unintentional separation.

2,460,615
REMOVABLE CORE LOCK
John P. Andrew, New Rochelle, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application June 7, 1945, Serial No. 598,133
17 Claims. (Cl. 70—369)



1. In a lock of the class described, a housing, a lock core removably mounted in said housing, a pair of independently movable key plugs movably mounted in said lock core, tumblers for locking said key plugs against movement in said lock core,

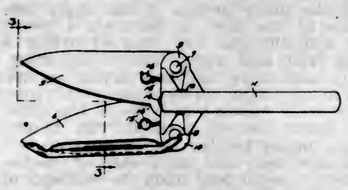
the gas turbine and forming a circuit for a gaseous

an hydraulic system for interlocking the two

and each of said key plugs having a keyway therein whereby said tumblers are key set and said key plugs are released for movement relatively to said lock core, and retaining means movable between a release position and a retaining position for retaining said lock core in said housing and adapted for movement by one of said key plugs out of retaining position and into a release position.

2,460,616
GRASS-CATCHING ATTACHMENT FOR SHEARS
John F. Appleton, Seattle, Wash.
Application March 10, 1944, Serial No. 525,931
2 Claims. (Cl. 56—202)

1. As an attachment for grass or pruning shears to catch cuttings delivered therefrom: a plate having one edge turned inwardly to define a flange lying at an angle of approximately 90° from the plane occupied by the plate proper, said flange acting as a sustaining ledge arranged, in applying the attachment to a blade of the shears, to bear upon one face of the blade along the outer margin of the latter; and a leaf-spring attached centrally of its length to the plate and presenting



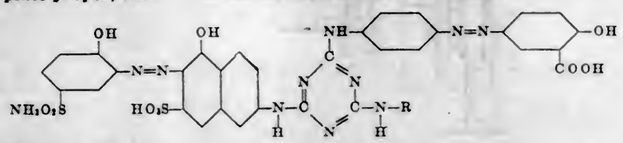
spring arms extending lengthwise of the plate therefrom into such overlying relation to the flange as, upon application of the attachment to the blade, to resiliently grip the other face of that part of the blade sustained on the ledge.

2,460,617
PLANETARY PISTON FUEL PUMP
Roy O. Balogh, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 10, 1944, Serial No. 562,768
3 Claims. (Cl. 103—132)

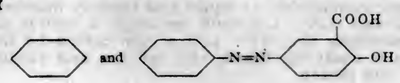
1. A rotary pump comprising a housing formed with a substantially cylindrical chamber, a recess extending radially outward therefrom and a port on each side of the recess, a shaft arranged axially in the chamber, a cam on the shaft, a ring journalled on the cam for orbital movement in spaced relation to the walls of the chamber, a vane formed of material as rigid as that of the housing, said vane extending substantially for the full depth of the recess, and a unitary resilient covering for the ring bonded to the vane, said covering providing a restricted flexible connection between said ring and said vane.

2,460,618
TRIAZINE AZO DYES
Eduard Bernasconi, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application June 30, 1945, Serial No. 602,677. In Switzerland August 9, 1944
3 Claims. (Cl. 260—153)

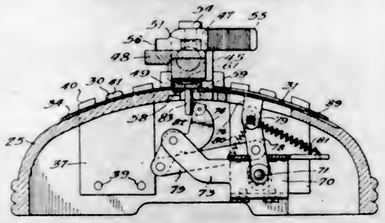
1. An azo-dyestuff of the formula



wherein R is selected from the group consisting of



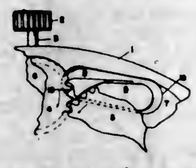
2,460,619
FILM SPLICER
Jack Briskin, Chicago, Ill., assignor to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application October 26, 1945, Serial No. 624,818
10 Claims. (Cl. 154—42.2)



9. A film splicer comprising a base provided with a transversely disposed slot dividing the upper surface of said base into two film holding tables, stationary film clamping means on one of said tables, shiftable film clamping means on the other of said tables, a pivoted member pivotally mounted on said base, an arm mounted on said pivoted member and capable of being swung from an inoperative position to an operative position in which it overlies said slot, swivel means connecting said arm to said pivoted member for permitting said arm to be twisted along its longitudinal axis alternatively into a cutting position or into a pressing position, a shear blade mounted on said arm and adapted to project into said slot when said arm is twisted into cutting position and swung into operative position, a presser resiliently mounted on said arm and

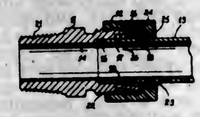
adapted to bear against one of said film tables at a point immediately adjacent said slot when said arm is twisted into said pressing position, a projection carried by said arm and swung into operative position, and actuating means disposed in the path of said projection and adapted to be engaged thereby only when said arm has been twisted into pressing position for displacing said shiftable film clamping means when said arm is swung into operative position, whereby the edges of a strip of film held on said film tables are caused to overlap before they are engaged by said presser.

2,460,620
FLOATING PAWL
Elis Fedor Carlstrom, Lancaster, Pa., assignor to Hamilton Watch Company, Lancaster, Pa.
Application June 14, 1945, Serial No. 599,354
7 Claims. (Cl. 58—83)



1. In a winding mechanism, a pair of meshing gears, a pawl formed with an elongated flat portion adapted to underlie one of the gears, an upstanding wedge shaped portion adapted to be moved into and away from locking position through frictional contact between the flat surface of the pawl and the undersurface of one of the gears.

2,460,621
TUBE COUPLING
Louis B. Courtot, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application July 10, 1945, Serial No. 604,163
6 Claims. (Cl. 285—122)



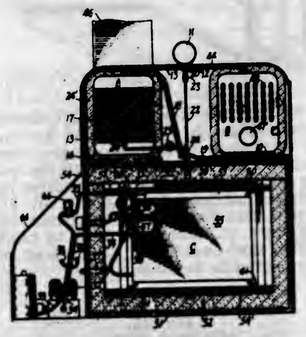
1. A tube coupling comprising a body adapted to receive a tube and having a tube sealing ring frangibly disposed integral with said body, and a tube nut for shearing said ring from said body and forcing it into engagement with a tube to be received in the body, said body having a recess adjacent said frangible connection whereby the sheared end of the ring can move axially and radially as it is sheared from the body.

2,460,622
FITTING
Charles H. Crawley, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application November 13, 1944, Serial No. 563,201
1 Claim. (Cl. 285—210)

A tube fitting comprising an outer member having an end portion provided with means for connection to another fluid conduit, an enlarged body portion, a transverse bore through said body portion and a longitudinal passage through said end portion intersecting said transverse bore, the diameter of said transverse bore being substantially larger than the diameter of said longitudinal passage, and an inner member having an end portion provided with means for connection to another fluid conduit and a cylindrical portion, a substantially diametric aperture extending through said cylindrical portion and a longitudinal passage through the end portion of said inner member intersecting the diametric aperture of said member, the diameter of the diametric aperture in the inner member being substantially larger than the diameter of the longitudinal passage in the end portion of said outer member, the external diameter of the cylindrical portion

of the inner member being substantially the same as the internal diameter of the transverse bore of the outer member, the inner wall of the transverse bore in said outer member being uninterrupted except by the longitudinal passage in said member, the two members being assembled together with the cylindrical portion of the inner member disposed within the diametric aperture bore of the outer member, the transverse of the inner member being disposed within the outer member and in communication with the longitudinal passage of the outer member, and the contacting surfaces of the members being bonded together by a fluid tight alloy bond.

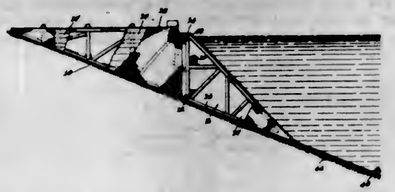
2,460,623
LIQUID COOLER FOR AIR-CONDITIONING SYSTEMS
Mario Di Zoppola, New York, N. Y., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application October 24, 1944, Serial No. 560,138
4 Claims. (Cl. 62—134)



1. In an ice producing and storage device, a tank, a plurality of refrigerant fluid circulating units adapted to receive refrigerant fluid, means for supporting said units within said tank for movement in all directions, said means including links for supporting the unit and resilient means tending to return the unit to a predetermined

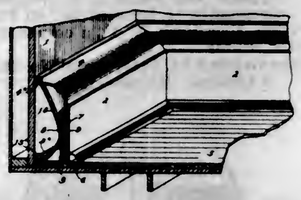
position, whereby when ice is formed around the unit the latter will be permitted to move in any direction as expansion may occur.

2,460,624
COFFERDAM
Carson Dobell, New York, N. Y., assignor to Preload Enterprises, Inc., a corporation of Delaware
Application November 13, 1945, Serial No. 627,990
4 Claims. (Cl. 61—34)



1. A method of forming a cofferdam about a submerged surface area to be exposed in a body of water, which consists in providing about said area relatively adjacent and juxtaposed cooperating blanket supporting surfaces within the water and extending upwardly from the bottom of said body to above the water level, and excluding water from the area by attaching the outer free margin of rolled blanket material to the top portion of the combined surfaces above the water level and unrolling the material therefrom downwardly over the surfaces to the bottom of said area and from thence outwardly therefrom over the bottom.

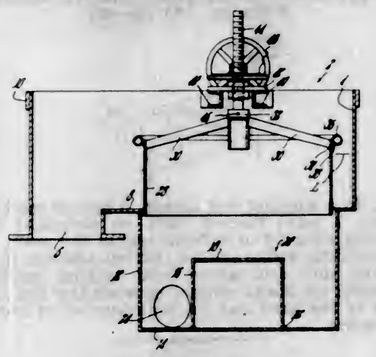
2,460,625
BASEBOARD ROOM HEATER
William A. Ellis, Portland, Oreg.
Application October 31, 1945, Serial No. 625,729
3 Claims. (Cl. 219—34)



1. An electrical heater for rooms comprising a hollow base-board having a panel section and provided with top and bottom flanges extending from the panel into engagement with the wall and providing an enclosed space, a resistance heating unit made in flat form located therein, angular lips on said flanges, means supported by said flange lips and engaging said unit to hold it in contact with said panel, and a source of current supply connected to the unit.

2,460,626
MIXING BOX
George A. Engert, Westfield, Mass., assignor to Cheney Bigelow Wire Works, Springfield, Mass., a corporation of Massachusetts
Application July 26, 1946, Serial No. 686,591
3 Claims. (Cl. 92—37)

3. A mixing box construction comprising in combination, a horizontal lower wall and a continuous vertical side wall extending upwardly therefrom and forming therewith a chamber, said side wall at one side of the chamber arranged in the form of a portion of a circle of certain radius and at an opposite side thereof in the form of a portion of a circle of relatively shorter radius providing a main portion and an outlet portion of said chamber, said lower wall provided with a sump opening and an outlet opening and disposed in the main and outlet portions of the chamber respectively, a cylindrical side wall extending downwardly from said lower wall around the sump opening therein and a lower wall secured to the lower end of said cylindrical side wall forming therewith a sump below said lower wall, said cylindrical wall of the sump provided with inlet means to admit water

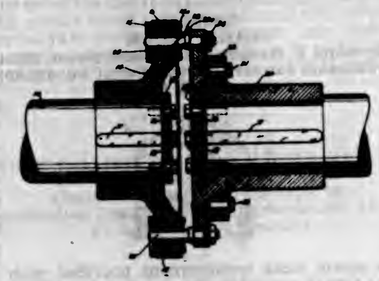


and paper stock, a hollow cylindrical gate having a lower portion within said sump and a continuous upper edge adapted for the flow of water and stock from said inlet means upwardly therethrough and over said upper edge and at all sides thereof into said chamber, and said upper edge of the gate provided with an overflow weir extending entirely therearound, and operating means between upper sides of said gate and side wall for moving said gate up and down relative to said sump, and a dome extending upwardly from the lower wall of the sump having a side wall spaced inwardly from the side wall of said sump and an upper wall disposed above the horizontal plane of said inlet means.

2,460,627
PROCESS FOR THE ISOLATION OF SOYBEAN PROTEIN
Eero O. Erkko, Wilmington, Del., and Richard T. Trelfa, Kalamazoo, Mich., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 7, 1946, Serial No. 695,546
7 Claims. (Cl. 260—112)

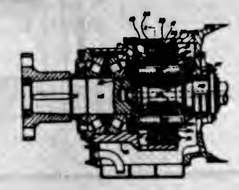
1. A process for the isolation of protein from soybeans comprising treating oil-free soybean meal with water substantially at the isoelectric point of said protein, separating protein mechanically from the fibrous portion of said meal and subsequently leaching the fibrous portion with an alkaline aqueous protein solvent, thereby extracting additional amounts of protein.

2,460,628
FLEXIBLE COUPLING
Thomas L. Fawick, Akron, Ohio
Application February 15, 1943, Serial No. 475,872
2 Claims. (Cl. 64—11)



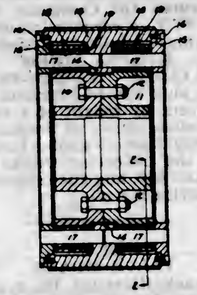
1. A flexible coupling for transmission shafts in series, said coupling comprising a first coupling member formed with a circumferentially spaced set of axially extending sockets, a set of torque-transmitting assemblies mounted in said sockets respectively, each of said assemblies comprising an annular, outer, shell member, an inner, axially disposed stud member, and an annular body of cushioning material having substantially the resilient deformability of vulcanized soft-rubber, said body being held under radial compression by said shell member and said stud member, releasable means for holding each shell member at a determinate position axially of its socket an annular coupling member constituting a mounting for the stud members and movable in an axial direction away from said first coupling member for simultaneously removing said assemblies from their apertures in said first coupling member, without affecting the radial compression of their said cushioning bodies, and a shaft-head member upon which said annular coupling member is mounted, the two being formed with mating stop faces limiting movement of the annular coupling member toward the said first coupling member when the latter is in determinate relation to the shaft-head member, so that the magnitude of axial preloading of the coupling as a thrust coupling is determined by mutual contacting of the said stop faces.

2,460,629
CUSHIONED PLANETARY GEARING
Thomas L. Fawick, Akron, Ohio
Application March 19, 1945, Serial No. 583,533
6 Claims. (Cl. 74—305)



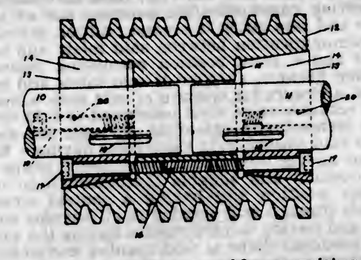
1. A planetary gearing comprising a set of planet gears, two gears entrained with each other through said planet gears, a mounting for said planet gears, and, interposed between the planet gears respectively and their mounting, all-direction-cushioning means individual to the planet gears and comprising material having substantially the resilient deformability of vulcanized soft-rubber, each planet gear being isolated from said mounting by the said material and having, with respect to all rigid parts of the assembly, clearances such as to permit universal cushioned movement of each of the planet gears in relation to their said mounting.

2,460,630
MULTICUSHIONED GEAR
Thomas L. Fawick, Akron, Ohio
Application April 12, 1945, Serial No. 587,892
8 Claims. (Cl. 74—411)



4. A gear comprising a structure adapted to be engaged with a mounting for the gear, a structure having gear teeth, the two overlapping each other radially and overlapped portions of one of them being formed with two axially spaced apart sets of circumferentially spaced cushion sockets, two sets of axially disposed pins on the other structure, extending axially into said sockets and each, with the wall of its socket, defining an annular space, and, in each of the annular spaces, a torque-cushioning member having substantially the resilient deformability of vulcanized soft-rubber, the sockets and pins of each set being axially aligned with those of the other set respectively, and the teeth having such axial extent that they axially overlap torque-cushioning members of both sets.

2,460,631
SHAFT-FASTENING ASSEMBLY
Thomas L. Fawick, Cleveland, Ohio
Application November 17, 1945, Serial No. 629,229
7 Claims. (Cl. 287—114)



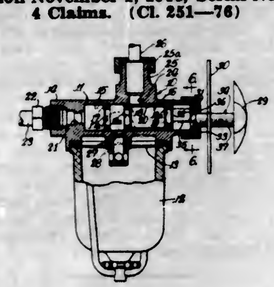
1. A shaft-fastening assembly comprising a rotary annular member adapted to surround a shaft to which it is to be secured, said member being formed with a conical inner face in effect,

at least, surrounding the shaft and tapered axially inward from an end face of the member, and with an internal flange adjacent the smaller end of said conical face, a wedging member tapered for wedging coaction with only the shaft and said conical face, and terminating short of said flange, and a threaded member extending through said wedging member, at a less radius from the shaft's axis than that of any part of said conical face, and threaded means coacting with said threaded member for pulling said wedging member toward said flange.

2,460,632
SPARK PLUG THREAD LUBRICANT
Bert Folda, Jr., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 8, 1946, Serial No. 660,409
8 Claims. (Cl. 252—29)

1. A spark plug thread lubricant comprising: 30 to 50 per cent by weight of a solid lubricant consisting predominantly of graphite, 0.5 to 5.0 per cent by weight an oil-soluble hydroxy heterocyclic amine the molecular weight of which is between 300 and 400, and the remainder a naphthene-base lubricating oil.

2,460,633
VALVE MEANS
George E. Franck, Riverside, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 1, 1946, Serial No. 707,131
4 Claims. (Cl. 251—76)

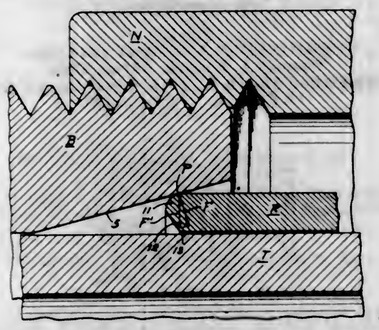


1. Valve means comprising: a casing having a bore formed therein, a plurality of inlets opening to said bore and an outlet leading from said bore, a spool valve element slidably and rotatably mounted within said bore having a first position permitting communication between one of said inlets and said outlet, a second position preventing communication between said inlets and said outlet and a third position permitting communication between another of said inlets and said outlet, a closure for one end of said bore, a manually actuable valve stem connected to said spool valve element and extending through an opening in said closure, said valve stem having a first section having the same cross sectional shape as said opening and slidable therethrough in one angular position and having a central section slidable through said opening in all angular positions and having a third section having the same cross sectional shape as said opening and slidable therethrough in another angular position, whereby said valve stem may be manually moved from the said second position wherein said central section is positioned in said opening to said first or to said third position by manually rotating the valve stem to cause one or the other of said first or third sections of said valve stem to register with said opening.

2,460,634
ALARM CLOCK
Raymond F. Heckmer, Sr., Youngstown, Ohio
Application January 7, 1946, Serial No. 639,495
1 Claim. (Cl. 58—19)

An alarm clock arrangement provided with a visual signal consisting in an electric bulb producing light of a predetermined volume and intensity and supplied by connections with the mains of a network of customary network voltage, comprising an alarm clock provided with a winding shaft, an outer casing surrounding and enclosing said alarm clock, a switch mechanism between said casing and said alarm clock, including a push rod carrying a push plate and a push button, the latter projecting outside of the casing and adapted for hand operation, and the former projecting into the vicinity of the winding shaft, an insulated lever pivoted to said casing and connected with said push rod, a contact bridge piece carried by the same, contacts facing said bridge piece and adapted to be operatively connected thereby, said contacts being carried by said outer casing and connected with the electric bulb and its supply wires respectively, and a member fixed on the winding shaft for pressing back said push plate and operating said push rod upon rotation of the said shaft.

2,460,635
FITTING
Robert E. Herold, Cleveland, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application June 27, 1946, Serial No. 679,750
5 Claims. (Cl. 285—122)



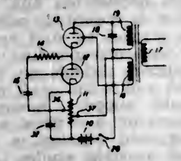
1. In a fitting for metallic tubing, a fitting body having an internal tapered wall and an abutment wall for the end of a tube, a nut threaded to said body and having an internal shoulder, and a continuous tube cutting and gripping ring, one end of said ring engaging said nut shoulder, said ring

having a tube cutting edge formed by the intersection of a substantially cylindrical inner wall of the ring and a conical ring edge surface which forms an obtuse angle with said inner wall, said cutting edge cutting and shearing up metal of the tube when the nut is tightened and motion of said ring axially along said tapered body wall causing the forward portion of the ring to turn radially inwardly so that its conical edge acts as an abutment against the tube metal tending to prevent excessive cutting and shearing of said tube material.

2,460,636
SELF-SEALING ELECTRIC LIGHT SOCKET FOR REFRIGERATOR PANELS
Charles M. Holloway, Chicago, Ill.
Application September 9, 1948, Serial No. 48,407
3 Claims. (Cl. 173—339)

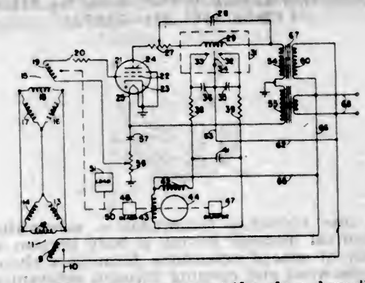
3. An electric light socket for refrigerator panels comprising an outer flexible housing having a hollow interior with a front opening adapted to receive an electric light bulb, means for connecting said socket to a suitable source of electrical supply, a continuous flange extending around the outside of said housing to form a non-circular shape, a plurality of shorter flanges extending partially around the outside of said housing and spaced slightly from said continuous flange on a corresponding line, said socket adapted to be installed without the use of tools in a single non-circular opening in a refrigerator panel corresponding in shape to the shape of said housing between said flanges, so that said flanges grip the edges of the opening and hold the edges in the space between said continuous flange and said shorter flanges, so that said socket may not be accidentally turned and said continuous flange contacts the face of the refrigerator panel around the entire circumference of the opening to provide a moisture proof seal around said opening.

2,460,637
OSCILLATION GENERATOR
Henry M. Huge, Lorain, Ohio, assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio, a corporation of Ohio
Application July 17, 1944, Serial No. 545,278
9 Claims. (Cl. 250—36)



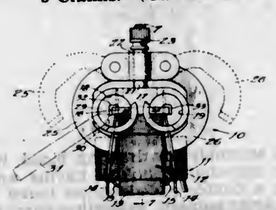
1. An oscillator circuit comprising, in combination, an oscillator tube having at least an anode, a cathode and a control element, a control tube having at least an anode, a cathode and a control element, an output circuit having a regenerative winding, circuit means for connecting the anode of the control tube to the cathode of the oscillator tube, means for connecting the output circuit between the anode of the oscillator tube and the cathode of the control tube, means for connecting the control element of the oscillator tube to the cathode of the control tube through said regenerative winding, a timing circuit, and means for exciting the control element of the control tube from the timing circuit.

2,460,638
SERVO FOLLOW-UP CONTROL
Clarke M. Gilbert, Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated, a corporation of New York
Application November 13, 1946, Serial No. 709,653
11 Claims. (Cl. 318—30)



1. In a servo mechanism of the class described, the combination which comprises an output shaft and an input shaft, means for generating an error voltage whose amplitude is a function of the difference in angular position between said output and input shafts, control means comprising a single thyratron, an alternating current voltage source, means for impressing said error voltage and said alternating voltage on the input of said thyratron control means, relay means controlled by the thyratron control means, delay means connected to the output of said thyratron means and to said relay means, a motor connected to said output shaft, means operable by said relay means to control the direction and speed of rotation of said motor whereby said output shaft is caused to assume the same angular position as said input shaft.

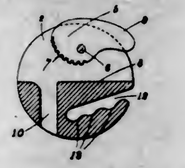
2,460,639
MEANS FOR BINDING MAGNETIC CORE STRUCTURES
Martin B. Grout, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application September 11, 1944, Serial No. 553,616
5 Claims. (Cl. 153—1)



1. Apparatus for use in binding a sectional magnetic core structure which includes a U-shaped strap and a cooperating end bar, said apparatus comprising a body member having a

surface adapted to rest on said core structure, a block slidably associated with said body member, strap interlocking means carried by said block, means for forcing said block away from said body member to tension said strap, and means cooperating with said body member for deforming the ends of said strap while it is maintained under tension by said interlocking means so that said deformed ends will cooperate with said end bar to maintain the parts in tensioned relationship after said apparatus is removed.

2,460,640
CLOTHESLINE TIGHTENER
Howard M. Jensen, Halesite, and Richard W. Bridges, Farmingdale, N. Y.
Application August 20, 1945, Serial No. 611,468
1 Claim. (Cl. 211—119.15)

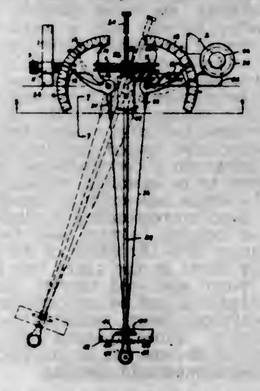


A line tightener comprising a substantially cylindrical member having a body portion and a pair of spaced extensions forming a channel therebetween and opening through substantially half of the peripheral face of said cylindrical member, said body portion having a line receiving opening establishing communication between said channel and the peripheral face of said cylindrical member remote from said channel and having also an inclined line receiving slot closed at one end and opening through the peripheral face of said cylindrical member at its other end remote from the aforesaid channel and the aforesaid hole, and means within said channel for clamping a line against said body portion.

2,460,641
BLOOD COLLECTING APPARATUS
Joseph J. Kleiner, Woodmere, N. Y.
Application August 14, 1945, Serial No. 610,780
5 Claims. (Cl. 128—214)

1. In an assembly for drawing blood, in combination a cup-shaped holder having an apertured base, a double ended hollow bored needle, having its ends pointed, extending through said aperture and supported against movement with respect to said base, said needle having its inner end extending into a plane short of that into which the edges of the side walls of the cup project, an evacuated tube having a length greater than the depth of said cup, a stopper including an enlarged head and a plug portion, the plug portion being disposed under compression within said tube, the head thereof bearing against the edge of the latter, the thickness of the effective seal provided by said stopper being less than the effective height of the inner needle portion and the length of the part provided for the needle point of such portion being substantially less than the thickness of such seal, the end of the tube with the stopper mounted thereon being slidably engageable with, and guided for movement by, the inner side wall faces of the cup to cause the inner needle end to penetrate the seal provided by the stopper when the stopper head is at a point adjacent the cup-base, and means short of such point for indicating when the tube has been introduced into said cup to a position at which the inner needle end is completely embedded within and has its bore closed by, the seal afforded by said stopper.

2,460,642
DIP CO-ORDINATOR
Walter T. Knauth and Robert B. Briggs, Houston, Tex.
Application February 24, 1948, Serial No. 10,288
9 Claims. (Cl. 33—76)

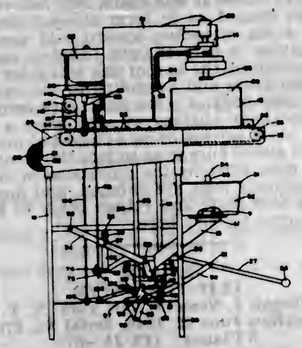


7. An instrument of the character described comprising, supporting means having a straight edge, a fixed and a movable pointer on the supporting means aligned with the straight edge, a rotatable threaded shaft on the supporting means, protractors, one fixed on the supporting means and a protractor support movable along the supporting means and with which the shaft has a threaded connection and on which the other protractor is mounted, pointers pivotally mounted with respect to, and arranged to cooperate with, the corresponding protractors, a tension rod support slidable on the supporting means and with which the shaft has a threaded connection, said support having a bearing mounted to pivot on a vertical axis, a tension rod slidable in said bearing, a straight edge carried by, and at right angles to, said rod, a bearing surface carried by the forward end of said rod, a flexible measuring tape movable about said surface and one of which has connection with one pivotal pointer, said tape also having an operative slidable connection with the other pointer and storage means on which the other end of the tape may be spooled.

2,460,643
ADJUSTABLE LOCK WEDGE
John Lazar, West Allis, Wis.
Application March 15, 1946, Serial No. 654,651
1 Claim. (Cl. 306—34)

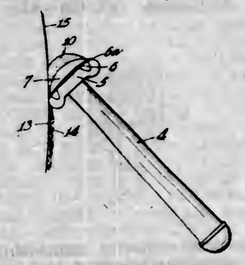
A wedge for securing a wooden shaft in the socket of a tool head comprising a wedge shaped blank, a rotatable locking key member installed longitudinally within said blank, and said key member being tapered on two opposed sides so as to be flush with the sides of said wedge when in unlocked position characterized by said key when partially rotated having opposed untapered portions which extend outwardly from said wedge blank, further characterized by said outwardly extending portions having ribs thereon for firm engagement with said shaft.

2,460,644
MEANS FOR WRAPPING TUBULAR CAKE PANS
Jackson M. Luker, Urbana, Ill.
Application September 8, 1945, Serial No. 615,179
7 Claims. (Cl. 93—2)



1. A package wrapping and tying machine comprising, in combination, a package support platform, means operable for moving said platform from a lowered to a raised position along a fixed vertical path, an open bottomed and open topped housing disposed above and in axial alignment with said platform, said housing having vertical side walls of a contour similar to the contour of the package to be wrapped, means for releasably positioning a sheet of wrapping material across the open bottom of said housing, a tying and knotting mechanism including a wrapping arm mounted for rotation about the upper portion of said housing, a stop member disposed in vertical alignment with said platform and positioned above said housing, said first mentioned means including a foot treadle movable from raised to lowered positions for moving said platform from lowered to raised positions, said platform, when moved upwardly, forcing a package to be wrapped upwardly against the sheet of wrapping material and through said housing for disposing said sheet of wrapping material across the top or upper portion and downwardly over the side walls of said package, said package being limited in its upward movement by said stop member, means operable upon movement of said platform to a fully raised position for actuating said tying and knotting mechanism, and means operable upon lowering of said platform from a raised to a lowered position for actuating the sheet positioning means to position a sheet of wrapping material across the open bottom of said housing.

2,460,645
SAFETY RAZOR CUSHION
William P. MacMicking, Minneapolis, Minn.
Application August 26, 1944, Serial No. 551,294
6 Claims. (Cl. 30—41)



2. In a razor having a blade and a top backing therefor, the improvements which comprise, a compressible cushion attached to the outer surface of said backing and having a margin of reduced thickness extending along the cutting edge of said blade to be compressed against the surface over which the razor is drawn in shaving, simultaneously with the shaving operation.

2,460,646
CHANNEL TYPE CLAMP FOR SLIP JOINTS
Roscoe I. Markey, Montclair, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y., a corporation of Maryland
Application March 30, 1945, Serial No. 585,720
3 Claims. (Cl. 285—129)

1. In an exhaust manifold system having a pair of tubular conduit members arranged end to end; the combination of an annular ring mounted on the outer periphery of one of said members adjacent one end thereof and spaced axially in-

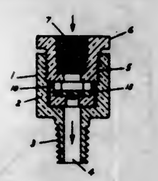
wardly therefrom, a second annular ring mounted

high adjacent the juncture of the upper edge of

2,460,653

wardly therefrom, a second annular ring mounted on the outer periphery of the other one of said members adjacent one end thereof and extending axially outwardly therefrom in overlapping engagement with the adjacent end of first named member, and means including a channel-shaped split clamping ring cooperating with said first and second named rings for holding said tubular conduit members against movement away from one another but permitting limited movement of said members axially with respect to one another to compensate for axial expansion and contraction due to temperature changes.

2,460,647
FLOW CONTROL DEVICE
Wesley G. Miller, Erie, Pa., assignor to Hays Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application April 5, 1947, Serial No. 739,551
10 Claims. (Cl. 138—45)

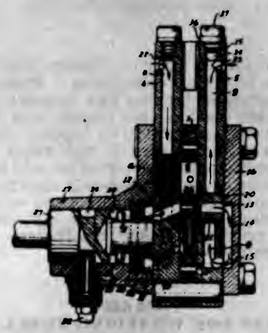


10. A flow control device comprising a member having an outlet aperture and laterally extending grooved passages leading thereto, and a resilient member for disposal over said aperture and said groovod passages adapted to restrict the cross-sectional area of said passages upon increase in pressure of the fluids.

2,460,648
UNIVERSAL JOINT FOR MILL DRIVES
Roland R. Millar, Massillon, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application September 29, 1944, Serial No. 556,340
6 Claims. (Cl. 64—7)

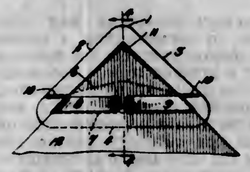
1. A flexible coupling for two shafts, comprising a tongue attached to one shaft, a body attached to the second shaft and having a recess defined in part by opposed curved surfaces to receive said tongue, and means for connecting said tongue and body, said means comprising bearing metal shoes disposed in the curved recesses of the body and provided with recesses open to said tongue and impact absorbing and distributing members filling and fixed against movement in said recesses in said shoes and engaging said tongue, said members comprising fibrous material and heat hardenable material.

2,460,649
GEAR PUMP WITH FLOW CUSHIONING MEANS
Geza W. Muller, Brou, France; vested in the Attorney General of the United States
Original application March 7, 1942, Serial No. 433,808. Divided and this application August 27, 1945, Serial No. 612,966. In France February 20, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1961
2 Claims. (Cl. 103—126)



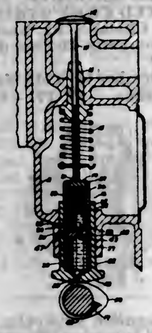
1. A gear pump comprising in combination a pump body, recesses in said body, pump gears housed in said recesses, a fluid circuit through said body comprising suction and delivery ducts on opposite sides of said gears, said delivery ducts being so shaped as to form at least one elbow having a leg extending toward said gears, said body having a bore therein forming an alined continuation of the end of the elbow leg remote from said gears and extending to the outer surface at said body, a plate shaped to conform to the outer body surface at said bore, a rubber stopper block carried by said plate and projecting into said alined bore so as to face the coming flow of said fluid whereby the pulsations of the fluid in the delivery duct are damped, and means for securing said plate and rubber block in position with respect to said bore.

2,460,650
CLIP FOR PAPER
Joseph J. Nemeth, New York, N. Y.
Application June 22, 1946, Serial No. 678,695
3 Claims. (Cl. 24—67)



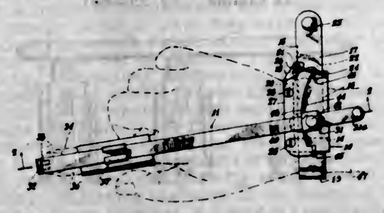
1. A clip for holding loose sheets of paper consisting of a triangularly shaped blank formed of thin pliable metal, there being a polygonal aperture therein, the lower edge of which is parallel to the base of the blank, a pair of fingers integral with said blank and extending toward each other from each end of said lower edge, each of said fingers forming means to embrace said sheets of paper and forming a juncture with the blank on a line parallel with a side of the triangularly shaped blank, the metal of said blank adjacent the juncture of the upper edge of each of said fingers with the blank having a fold line whereby the upper portion of said blank above said fingers may be readily folded on the fold line.

2,460,651
SELF-ADJUSTING TAPPET
Joseph Norman Paquin, Euclid, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application May 2, 1945, Serial No. 591,577
3 Claims. (Cl. 123—90)



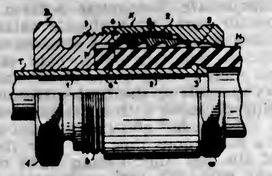
2. A sealed self adjusting tappet unit comprising a cylinder, a hollow piston in said cylinder having an inner wall, fluid sealing means to prevent flow of fluid from said cylinder past said piston, orifice means in the inner end wall of said piston, a sac in said piston with its mouth sealed against said inner piston wall, fluid in said sac, plunger means in said piston engaging an outer wall of said sac, and resilient means cooperating with said plunger means arranged to cause fluid transfer from said sac to said cylinder through the orifice, and fluid in said cylinder.

2,460,652
INSTRUMENT FOR POST-MORTEM FINGERPRINTING
Harold P. Peterson, Raritan Township, Middlesex County, N. J.
Application September 11, 1946, Serial No. 696,334
7 Claims. (Cl. 41—4)



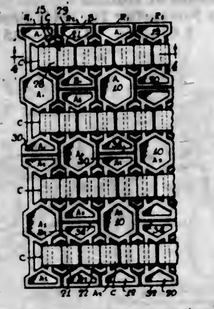
1. An instrument of the character herein described which comprises a wrist clamp having adjustable wrist engaging means so that the clamp may be fastened to the wrist of a deceased person's hand and a finger-extending rod capable of holding a finger of the hand in extended position for fingerprinting, said rod having wrist clamp engaging means at its inner end to attach said rod to said clamp and a slender sharp flesh contacting part secured to the rod at its outer end to press into the flesh and fasten said rod at its outer end to said finger.

2,460,653
HOSE END
Frank J. Raybould, Lakewood, Ohio, assignor to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio
Application April 20, 1946, Serial No. 663,678
2 Claims. (Cl. 285—86)



1. A hose coupling comprising a body member including a hose insert portion, an axially extending sleeve portion surrounding a portion of said insert portion and radially spaced therefrom, and a hose abutment wall portion between said insert and sleeve portion, a split hose clamping ring formed with axially-spaced external tapered surfaces of different angularity, the steeper tapered surface being adapted to engage the sleeve portion of said body member, and a nut threaded to said body member having a surface engaging the shallower of said tapered surfaces on said clamping ring, the action of the fitting on a hose being one whereby as the nut is tightened the engagement between the nut and ring causes radial contraction of the ring and compression of the hose adjacent said engagement, against said insert, said tightening tending to separate the ring from its engagement with the body sleeve portion, resulting in an axially forward motion of said ring and adjacent hose portions relative to said body with an attendant gathering and forcing of the hose against said abutment wall.

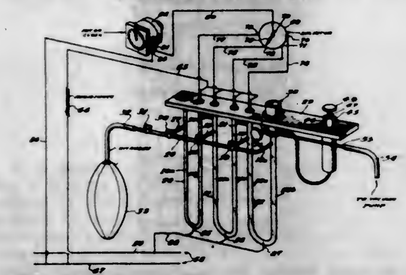
2,460,654
FLEXIBLE FABRIC COMPOSED OF RIGID INTERCONNECTED LINKS
Harry Reinstein, Rye, N. Y., assignor to Reinad Novelty Co. Incorporated, New York, N. Y., a corporation of New York
Application February 1, 1947, Serial No. 725,867
3 Claims. (Cl. 41—10)



1. A mesh fabric of close construction comprising along its length a vertically extending row consisting of all relatively long links alternating with a vertically extending row consisting of two relatively short links and at least one relatively long link the same as the said relatively long links of the first-mentioned row, each

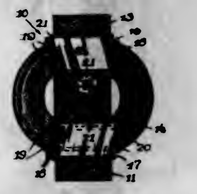
of the said relatively long links consisting of an intermediate hexagonal portion and two semi-hexagonal portions each of approximately half the size of said intermediate hexagonal portion, equi-spaced therefrom, having a marginal straight edge coincident respectively with the top and bottom edges of said link and connected with the intermediate hexagonal portion by a pair of connector bars; each of said relatively short links consisting of a pair of semi-hexagonal portions joined together by a pair of connector bars and each having a marginal straight edge; the links in each of the first-mentioned vertical rows being disposed with a marginal edge of one link in substantial abutment with a marginal edge of a contiguous link and with the marginal edges of the top and bottom links of said row coincident with the top and bottom edges respectively of said fabric, thereby producing in said row top and bottom semi-hexagonal portions and entervening hexagonal portions, equi-spaced from each other, in a vertical direction; the links in each of said alternating rows being disposed with the two short links at the top and bottom of said row, with the top and bottom marginal edges of the top and bottom links coincident with the top and bottom edges respectively of said fabric and with the bottom and top marginal edges respectively of the top and bottom links in substantial abutment with the marginal edges of the semi-hexagonal portions of a contiguous long link in the same row, thereby producing in said row top and bottom semi-hexagonal portions and intervening hexagonal portions equi-spaced from each other; the side edges of said semi-hexagonal portions and of said hexagonal portions of contiguous vertical rows being in substantial abutment; and connector members each consisting of a hexagonal portion having laterally extending arms positioned with the sides of the hexagonal and semi-hexagonal portions of said links and the connector arms loosely engaging the said connector bars of contiguous links in contiguous rows to permit relative movement between the thus connected links.

2,460,655
APPARATUS FOR DETERMINING THE PERMEABILITY OF MATERIALS
Ernst Walter Riekmeyer, Berkeley, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application November 16, 1945, Serial No. 629,058
3 Claims. (Cl. 73—38)



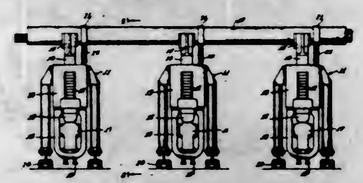
1. Apparatus comprising a U-tube assembly including a plurality of U-shaped tubes, a body of mercury partially filling each U-tube, means for creating a mercury pressure head in the U-tube assembly, a seat for supporting a time delay element and having an aperture therethrough, the time delay element being supported over the aperture, the U-tube assembly being connected to the seat and being in communication with the aperture so that fluid may pass through the time delay element disposed on the seat through the passage and into the U-tube assembly under the influence of the mercury pressure head in the U-tube, and clock means for timing the flow of said fluid through the time delay element.

2,460,656
ADJUSTABLE MAGNETIC SHUNT FOR LAMINATED CORE STRUCTURES
Walter Sliwiak, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application September 10, 1945, Serial No. 615,275
8 Claims. (Cl. 171—119)



1. In electromagnetic apparatus, a core structure comprising a substantially rigid assembly of elements providing two oppositely disposed spaced surfaces to form a gap, a separate laminated structure positioned in said gap and comprising a plurality of substantially rigid laminations disposed in skewed relationship, and adjustable means for compressing said laminated structure in a direction perpendicular to the length and width dimensions of said gap to expand the length dimension of said laminated structure.

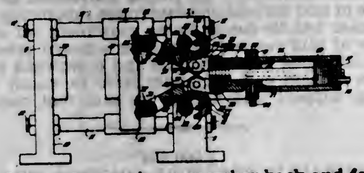
2,460,657
METHOD AND APPARATUS FOR PEENING THE INSIDE OF TUBES AND OTHER HOLLOW BODIES
Thomas Robinson, New York, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
Application December 22, 1944, Serial No. 569,382
24 Claims. (Cl. 29—90)



1. A method of peening the inner surface of a hollow member, which comprises introducing peening elements in said hollow member and vibrating said member to produce repeated impact between said peening elements and the inner surface of said member.

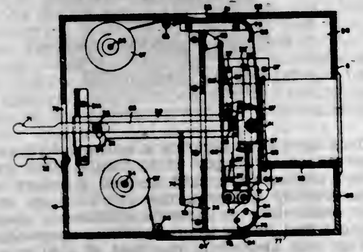
17. Apparatus for peening the inside of a tube, which comprises peening elements adapted to be inserted in said tube and a plurality of units cooperating to vibrate said tube throughout its length to produce repeated impact between said peening elements in the tube and the inner surface of said tube.

2,460,658
RECIPROCATING AND LOCKING MEANS FOR DIES OR THE LIKE
Carl Roehri, Chicago, Ill.
Application June 9, 1945, Serial No. 598,546
18 Claims. (Cl. 74—106)



1. Means for moving a member back and forth and locking the same in position at the end of its movement in one direction, comprising a frame having guiding means for said member, reciprocable means, links pivotally connected with said reciprocable means, links pivotally connected with said member and with said first mentioned links, shafts fixed on said frame and cranks pivotally connected with both said links and mounted to swing into engagement with and about said shafts to align the pivots connecting said links to each other with the pivots connecting said first mentioned links and said member and the axes of said shafts.

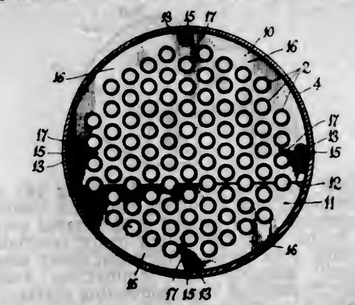
2,460,659
TIME RECORDING APPARATUS
Arthur J. Schmidt, Milwaukee, Wis.
Application March 8, 1946, Serial No. 653,209
4 Claims. (Cl. 101—288)



1. In an apparatus of the character described a casing, a time printing mechanism in said casing, a frame, roller means in the frame operable to rapidly press a strip against said printing mechanism, spring means urging said roller carrying frame out of printing contact with the printing mechanism, pivoted lever means for urging said roller carrying frame against the action of said spring means to load said roller pressing means in position to be released for rapid rolling contact against said printing mechanism, coacting means on said frame and lever for releasing the roller carrying frame at a predetermined point in its loading operation to the action of the spring means to cause a strip to be printed by said printing mechanism, and means under control of said pivoted lever for intermittently moving a strip with each loading operation.

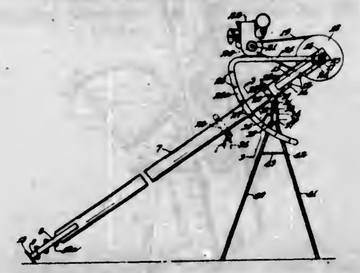
2,460,660
HEAT EXCHANGER
Townsend Tinker, Orchard Park, N. Y., assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y., a corporation of New York
Application March 22, 1947, Serial No. 736,460
6 Claims. (Cl. 257—224)

1. For use as an element of a heat exchanger of the type characterized by a longitudinal nest or tubes, an enclosing shell, spaced baffle plates in diametrical planes of the shell severally formed to provide angularly located adjacent flow windows, inlet and outlet connections for the flow of a fluid medium through the tubes of the nest, inlet and outlet connections for the flow externally of the tubes of a fluid medium which travels in a mean axial direction of the shell through the spaces between adjacent baffle plates and through the windows, a base construction which includes a fixed head in which end portions of the tubes are secured, the tubes passing through openings in the baffle plates, and tie rods secured in said head and located beyond



the perimeter of the tube nest through openings in the baffle plates: integers for the support and mutual spacing of the baffle plates and for the sealing of the circumferential space between the tube nest and the shell from the flow of the external medium, whereby such medium will flow substantially wholly through the spaces between and among the tubes comprising the nest, the integers severally consisting of a spacing and supporting sleeve loosely mounted on a tie rod between adjacent baffle plates and associated wing means rigidly carried by and projecting from the sleeve and extending athwart said space between the adjacent tubes of an adjacent pair.

2,460,661
PORTABLE GRAIN ELEVATOR
Hubert A. Tintes, West Fargo, N. Dak.
Application September 13, 1946, Serial No. 696,808
2 Claims. (Cl. 198—213)



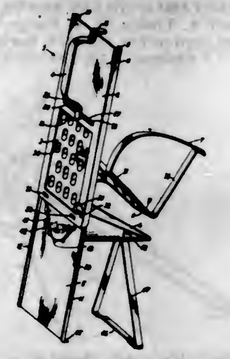
1. In a portable grain elevator, a casing and a movable conveyor unit therein, said conveyor unit having a drive shaft extending across the upper end of said casing, said casing having a power unit supported thereby adjacent its upper end, said power unit having a supporting bracket mounted for rotation about said drive shaft, said

bracket including a portion lying adjacent said conveyor casing in spaced relation with said drive shaft and formed on an arc having said shaft as a center, the arcuate portion of said bracket, at spaced points, being arranged for connection with said casing.

2,460,662
BUILDING CONSTRUCTION
Noble Van Voorhis, Canton, Ohio, assignor, by mesne assignments, of 76.89 per cent to E. E. MacKenzie and 23.11 per cent to L. V. Bockius
Application May 1, 1945, Serial No. 591,325
1 Claim. (Cl. 72—1)

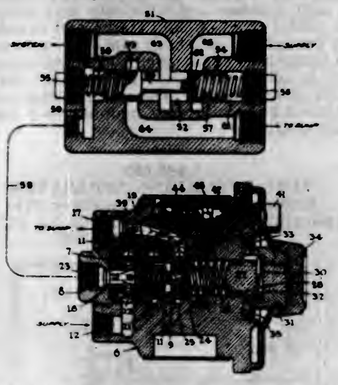
A rigid concrete structure including two end wall elements and a curved roof wall element, each element being formed of laminated corrugated board, each corrugated board lamination comprising a corrugated and a flat sheet, means adhesively securing the laminations rigidly together throughout their contacting surfaces to maintain a predetermined shape, at least the outer surface of each wall element being corrugated, means securing the end and curved roof wall elements together to provide a stable structural form, a coating of concrete applied and bonded to the outer corrugated surfaces of the laminated form, and the laminated corrugated board elements comprising an integral part of and thermal insulation for the walls of the finished structure.

2,460,663
RECIPROCATING GRATER WITH REMOVABLE TOOLPLATE
Theron H. Walker, Los Angeles, Calif.
Application March 3, 1945, Serial No. 580,745
4 Claims. (Cl. 146—178)



2. A comminuting utensil comprising an inclined slide support having a hopper thereon, a tool plate holder slidable on said support, a handle on said holder, a pusher for said hopper, said pusher having a hinge connection with said support above said hopper, said hopper having a bottom extending on opposite sides of a vertical through said hinge, a handle on said pusher, said slide support and said hopper having a foot rest extending on opposite sides of a vertical line through said hinge, and said slide support supporting said holder for sliding movement on one side of said vertical and said hinge supporting said pusher handle for swinging movement on other side of said vertical whereby downward pressure on said slide holder handle and downward pressure on said pusher handle serve to steady said slide support and hopper on said foot rest.

2,460,664
HYDRAULIC PRESSURE CONTROL MEANS
David J. Whittingham, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application February 26, 1945, Serial No. 579,867
9 Claims. (Cl. 50—12)

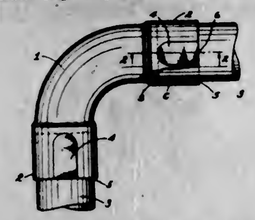


1. In a device for deriving a uniform hydraulic pressure from a supply of hydraulic fluid at a pressure higher than said derived pressure but not necessarily uniform, the combination of a supply connection; a movable abutment; means forming a first and a second working space separated by said abutment, the first of said spaces being subjected to the derived pressure and being in restricted communication with the second working space; a loaded relief valve serving to vent hydraulic fluid from said second working space; valve means actuated by said abutment, controlling flow from said supply connection to the first working space, and arranged to restrict such flow as the abutment moves in response to predominant pressure in the first working space; and yielding means arranged to oppose such motion.

2,460,665
SOLDER FITTING
Paul D. Wurzburger, Cleveland Heights, Ohio
Application July 8, 1944, Serial No. 544,061
4 Claims. (Cl. 285—115)

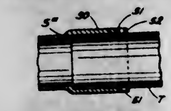
1. A fitting for a capillary joint having a socket adapted to receive through the open end thereof a tube or member telescopically with capillary space for bonding material between the interior surface of the wall of the socket and the exterior surface of the said tube or member, part of the said wall of the socket comprising at least one thickened portion, a greater part of the said wall including at least a portion of said wall near the said open end of the socket being substantially

thinner than said thickened portion, said thickened portion having appreciably greater mass and heat capacity per unit of wall area than



said thinner part of the wall, said thickened portion being disposed in the wall of the socket adjacent an exposed edge of said capillary space to provide a feeding point for bonding material.

2,460,666
FITTING
Paul D. Wurzburger, Cleveland Heights, Ohio
Application August 7, 1944, Serial No. 548,327
4 Claims. (Cl. 285—115)

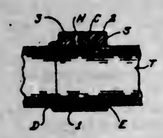


1. A fitting for a capillary solder type joint having a socket part adapted to receive a tube or member in telescoping relation with capillary space between the adjacent surfaces thereof into which solder or other bonding material may be fed to unite said surfaces; said socket part having an open end at or adjacent to which said capillary space terminates in an exposed substantially annular edge and said socket part having at least one solder feeding notch extending longitudinally inward from said open end through the wall of said socket part and terminating interiorly of said edge of said capillary space and defining an inwardly protruding contour in the edge of said capillary space through which solder may enter said capillary space, said socket part having a portion adjacent its open end defining a non-capillary space with the tube or member to be received therein outwardly of said edge of said capillary space and said socket having a heat absorbing rib extending inwardly of said edge of said capillary space into the zone of said capillary space, and said notch traversing said portion and extending into said rib.

2,460,667
FITTING
Paul D. Wurzburger, Cleveland Heights, Ohio
Application October 18, 1944, Serial No. 559,171
5 Claims. (Cl. 285—115)

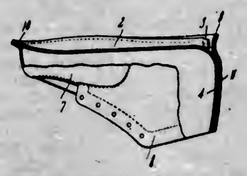
1. A joint comprising in combination a socket and an entering member telescoping with said socket, said socket and said entering member having therebetween a space of capillary magnitude to be filled by a bonding material by capillary attraction, said socket having at least one radially projecting feeding pocket of non-capillary magnitude adjacent the outer edge of said socket and extending longitudinally back from said outer edge less than the full length of said socket and forming an open-ended cavity for receiving bonding material.

2,460,668
FITTING
Paul D. Wurzburger, Cleveland Heights, Ohio
Application October 18, 1944, Serial No. 559,172
5 Claims. (Cl. 285—115)



1. In a fitting for a capillary joint a socket part having a wall not substantially thicker than required for the mechanical strength of the joint, said wall having an internal surface adapted to define a capillary space with the juxtaposed surface of a member telescopically received therein, said socket part also having a raised external rib rising above the external surface of said wall a distance at least substantially equal to said wall thickness and overlying a part of said capillary space, at least the greater part of said rib being spaced away from the open end of the socket, said rib having a transverse opening extending therethrough and through said wall and communicating with said capillary space, said opening being adapted to receive a length of bonding material substantially equal to the thickness of the wall of the socket plus the thickness of the rib, whereby sufficient heat is made available to melt the bonding material in said opening and induce its capillary flow or flash from said opening in and through said space when the temperature of the socket wall and rib is but moderately in excess of the melting point of said bonding material.

2,460,669
SHOE WITH INTEGRAL INSOLE AND BACKSTAY
Fred L. Ayers, Waltham, Mass.
Application November 13, 1945, Serial No. 628,168
6 Claims. (Cl. 36—16)

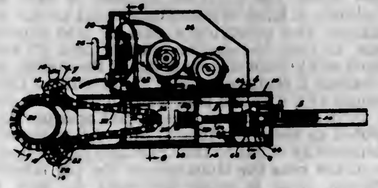


1. A shoe having an upper including inside and outside backstays between which the adjacent edges of the upper extend, said inside backstay having an innersole portion provided with a margin secured to the lower margin of said upper, said upper margin and the lower end of said outside backstay being out-turned, and an outersole secured to said out-turned margins and outer backstay.

2,460,670
RAILWAY BRAKE BEAM STRUCTURE
Donald E. Barton, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1946, Serial No. 669,145
12 Claims. (Cl. 188—224.1)

1. In a railway truss type brake beam including a compression member and a tension rod with their end portions converging, a brake head member receiving said end portions, and a device on the end of the tension rod thrusting the brake head member against the end of the compression member, and an element integral with one of said members and interlocking with a part of the other member and preventing disassembly of said members.

2,460,671
POSITIONING MEANS
Joseph M. Benedick, Wilmar, Calif.
Application November 1, 1945, Serial No. 625,990
4 Claims. (Cl. 214—1)



1. A machine for rotating objects to be operated upon along a line circumferentially passing around the work, including: a housing provided at one end with a plurality of bearings; a pair of shafts mounted in a corresponding pair of bearings; a pair of rollers mounted at the ends of each pair of shafts; a chain sprocket securely fastened to each of said shafts intermediate each pair of rollers; a bearing structure mounted for longitudinal movement in said housing; a shaft supported in said bearing structure; a driving chain sprocket securely fastened to said shaft supported in said bearing structure; a chain mounted on said driving chain sprocket and adapted to encircle the workpiece between said pairs of rollers and to engage with the sprockets fastened to the shafts on which the rollers are mounted; power means supported by said bearing structure and serving to drive said driving chain sprocket; means to adjust the speed at which said power means drive said chain sprocket; means for adjusting the position of said bearing structure in said housing to adjust the tension imparted to the chain encircling the object being operated upon; and a resilient connection between said adjusting means and said bearing structure.

2,460,672
THIMBLE-NEEDLE THREADER
Fedor Benedik, New York, N. Y.
Application May 9, 1947, Serial No. 746,942
4 Claims. (Cl. 223—99)

1. A needle threader comprising a hollow body in the form of a thimble and having an enclosed top end, said body being formed with a slot in the side thereof for frictionally engaging a needle inserted therein and so that the head of said needle may be viewed by looking through said

top end in the direction of the hollow of said body, said top end comprising an optically magnifying lens whereby the head of said needle may be observed in a magnified state so that the threading thereof may be facilitated.

2,460,673
DETACHABLE BIT
Irvine J. Berscheid, Bissett, Manitoba, Canada
Application June 9, 1944, Serial No. 539,426
9 Claims. (Cl. 255—64)

1. In drills, the combination of a detachable bit member and a shank member, the said bit member including forwardly located cutting surfaces and rearwardly located integral projecting finger members, the said shank having recesses therein cooperatively to receive the said finger members of the said bit, means in connection with said shank for retaining said bit in locking engagement with said shank, said shank being adapted to deform said finger members into said locking engagement with said shank upon percussive contact between said bit and shank, to retain said bit from axial dislodgment during operation, said fingers forming torsion applying means between said bit and shank.

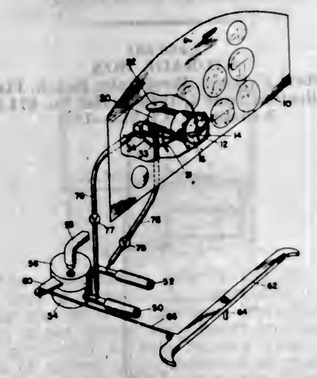
2,460,674
SHAPED FABRIC ARTICLE
Lajos Bihaly, London, England, assignor to Trubenised Limited, London, England
Application February 12, 1946, Serial No. 647,305
In Great Britain February 1, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires February 1, 1963
9 Claims. (Cl. 2—42)

1. Textile fabric for use in producing shaped articles of wearing apparel or the like, consisting

of stretchable knitted fabric, each thread of which is composed of a strand of thermoplastic material and a separate parallel strand of non-thermoplastic material, said strands being independently shiftable relative to each other preliminary to and during shaping of said apparel, said stretchable fabric being laminated with a fabric of non-thermoplastic material having a factor of stretchability substantially equal to that of the composite strand knitted fabric, the laminae being deformed and held to shape by said thermoplastic material.

2. Breast cups for brassieres and like three-dimensional shaped articles, composed of stretchable knitted fabric, said fabric being knitted from a double composite thread consisting of a thermoplastic and a separate non-thermoplastic strand, each strand having the characteristic of being shiftable relative to the other prior to and during shaping, said fabric being deformed, and the component strands united together to maintain the deformation shape.

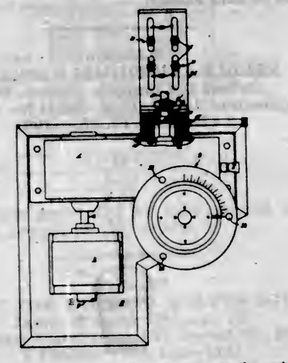
2,460,675
INCLINOMETER
Robert G. Bourgaize, Tacoma, Wash.
Application February 9, 1946, Serial No. 646,640
8 Claims. (Cl. 35—12)



1. A centrifugal-force simulation inclinometer for non-flying aircraft trainers having a rudder and rudder control means, comprising: an open-ended curved transparent tube enclosing a ball free to roll therein, a reversible gear pump, fluid conduit means placing each side of said pump in communication with an end of said tube, and suction-operated means to operate said pump in either direction in response to the application to the trainer of either left or right rudder.

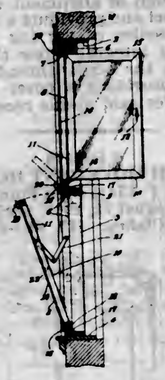
2,460,676
MAGNETO TESTER
Samuel Casper, San Francisco, Calif.
Application August 10, 1945, Serial No. 609,964
6 Claims. (Cl. 73—118)

1. In a tester for a magneto and the like having power transmission elements including a drive shaft adapted to be connected with a source of power, and a horizontally extending driven shaft, a housing enclosing said elements having a side wall through which said driven shaft extends, a cylindrical bearing member concentric with the axis of said driven shaft secured rigidly to said side wall, a sleeve rotatably supported on said bearing member, means for releasably securing said sleeve to said member at any point in its rotation on the latter, means on said sleeve



rigid therewith for carrying a magneto with the shaft of the latter in alignment with said driven shaft, and means for releasably securing said driven shaft to such magneto shaft.

2,460,677
ADJUSTABLE WINDOW CASING
Fred Cervellone, New York, N. Y.
Application October 30, 1946, Serial No. 706,701
1 Claim. (Cl. 20—53)



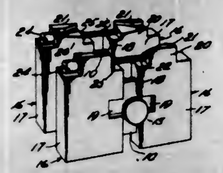
A window construction comprising a casing comprising a top, a bottom and sides, a cross piece uniting the midpoints of the sides, a sash frame hinged at its lower edge to the bottom and a frame hinged at its lower edge to the cross piece, said frames filling the spaces between the cross piece and the top and bottom, releasable catches to connect the tops of said frames to said casing, the sides, top and lower side of the cross piece having inward facing shoulders engaged by the frames, the bottom and upper side of the cross piece having outward facing shoulders, the lower ends of said frames having ribs along their edges projecting downward to cover the last-named shoulders, each of said frames having a vertical bar joining the top and bottom at the middle, said frames and said bar having outward facing shoulders, framed window panes hinged to the opposite sides of the frames and engaging said shoul-

ders, catches for said framed panes to engage the vertical bar thereof; and means for limiting the inward and downward movement of the sash frames in said casing.

2,460,678
NEEDLE AND THIMBLE HOLDER
Robert L. Chiarizia, Saxton, Pa.
Application July 1, 1946, Serial No. 680,672
2 Claims. (Cl. 223—109)

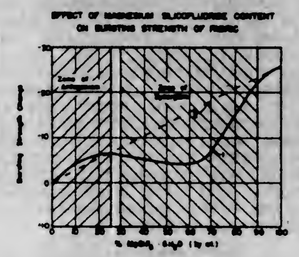
1. A combined thimble, needle and thread holder comprising a cup shaped cap member having external screw threads adjacent the rim thereof, a central aperture in said cap, a sleeve tightly received in said aperture and extending inwardly and outwardly of said cap, an ornamental figure fixed on the outer portion of said sleeve and having a longitudinal channel in alignment therewith, an integral thread receiving double spool mounted on the inner portion of said sleeve, said spool having a longitudinal bore therethrough in alignment with said sleeve and said channel and providing a receptacle for a plurality of needles of varying lengths and a thimble having integral screw threads for engagement with the screw threads on said cap, said thimble providing a cover for said spool and a closure for said needle receptacle.

2,460,679
WATCH MOVEMENT HOLDER
Marvin F. Clay, High Point, N. C.
Application August 22, 1945, Serial No. 612,066
4 Claims. (Cl. 81—6)



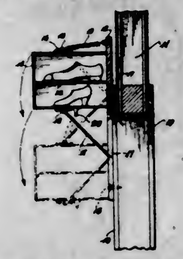
1. In a watch movement holder, a pair of rectangular plates arranged in parallel spaced relation, a screw extending centrally through said plates, said screw being journalled for free rotation and held from longitudinal movement through one of said plates and having threaded engagement with the other plate, a pair of jaw members for each plate, each pair of jaw members having confronting faces and slots extending from these faces into the members, each plate having its ends fitting into the slots of a respective pair of said jaw members, and a screw for each pair of jaw members having a head portion freely revoluble in and held from movement through one jaw member of the pair and having threaded engagement with the other member of said pair.

2,460,680
LAUNDRY SOURING COMPOSITION
Albert L. Courtney and Clifton E. Smith, Wyandotte, Mich., assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan
Application July 10, 1947, Serial No. 760,146
3 Claims. (Cl. 252—135)



1. A laundry souring composition consisting essentially of 10–70% by weight ammonium silicofluoride and 30–90% magnesium silicofluoride, the amount of the latter ingredient being calculated on the basis of $MgSiF_6.6H_2O$.

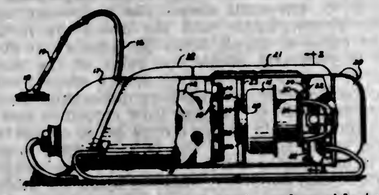
2,460,681
STORAGE BOX
Robert F. Davis, West Palm Beach, Fla.
Application June 4, 1946, Serial No. 674,220
3 Claims. (Cl. 312—112)



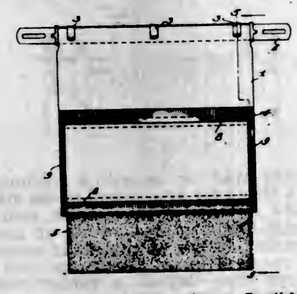
2. A retractable storage box for use at a doorway that comprises a supporting frame adapted to be attached to the wall above the doorway, a box normally adapted to be positioned horizontally adjacent said frame and having the side adjacent said frame open, a reciprocating connection between said frame and said box for maintaining said box against rotation but permitting said box to move downwardly to a position below the frame and upwardly to a position in horizontal alignment with said frame, and counterbalancing means connected between said frame and said box for counterbalancing the weight of said box.

2,460,682
MECHANICAL MOUNTING
Ferman C. Doughman, Darien, Conn., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware
Application April 11, 1944, Serial No. 530,484
3 Claims. (Cl. 230—232)

1. A vacuum cleaner body, a motor-fan unit, a bulkhead within the body, a rubber supporting ring placed over one end of the unit and affixed thereto, a flange on the bulkhead forming an annular opening supporting said ring, a plurality of rubber sandwiches affixed at one side to the other end of the unit and at the other side to the interior of the body, the planes of said sandwiches being perpendicular to the axis of the unit.



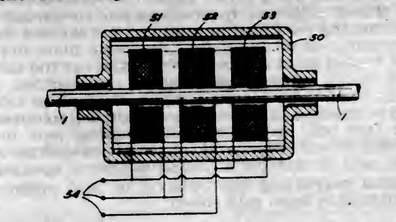
2,460,683
CARBON PAPER HOLDER FOR MANIFOLDING TYPEWRITERS
Joseph Carroll Doyle, Baltimore, Md., assignor to Kee Lox Manufacturing Company, Rochester, N. Y., a corporation of New York
Application November 28, 1945, Serial No. 631,375
12 Claims. (Cl. 197—126)



1. The combination with a flexible holding sheet that is permanently attachable to a supporting bar of a manifolding typewriter, of a carbon paper carrier detachably and interlockingly connected to said holding sheet, and a length of carbon paper fastened at one end to the carrier and wound continuously therearound affording a multiplicity of superposed thicknesses and a free end extending beyond said holding sheet, the holding sheet provided with means interlockingly engaging the carbon paper carrier and permitting removal of the carbon paper and carrier without disturbing the position of the holding sheet on the supporting bar, the carbon paper carrier being retained on the holding sheet by the interlocking relation between the holding sheet and carbon paper carrier.

2,460,684
METHOD AND APPARATUS FOR DEMAGNETIZING TUBING
Cecil Farrow, Bainbridge Township, Geauga County, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application May 26, 1943, Serial No. 488,480
2 Claims. (Cl. 175—181)

1. The method of demagnetizing elongated magnetized articles in the presence of a steady magnetic field which comprises diverting the lines of force of the steady field around the article and subjecting the article to a magnetic field generated by a polyphase alternating current with magnetic fluxes of progressively different phase generated by said current applied along the length of the article.



2,460,685
DIP POT FOR HOLDING MOLTEN SOLDER
James L. Ford, Chicago, Ill.
Application October 8, 1945, Serial No. 620,860
3 Claims. (Cl. 113—111)

3. A soldering device comprising a bail, a dip pot pivotally mounted near its open end between the end portions of the bail with its center of gravity substantially below its pivotal axis, a rod having one end fixed to the center of the yoke portion of the bail, a cylindrical sleeve freely rotatably mounted on the rod, a handle fixed upon and embracing an end portion of the sleeve remote from said bail, and means restraining longitudinal separation of the rod and sleeve during relative rotation of the rod and sleeve.

2,460,686
ELECTRICAL INSTRUMENT
George H. Fritzinger, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 4, 1944, Serial No. 516,947
8 Claims. (Cl. 171—95)

1. In an electrical instrument: the combination of a pivoted permanent magnet construction having its magnetic axis extending crosswise to its pivot axis; a field coil offset from said pivot axis and having its polar axis at least substantially

deflecting system arranged to deflect said beam

silica, and an effective amount up to 4% of an

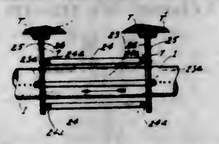
parallel to said pivot axis, said coil and magnet construction being offset along said pivot axis to lie closely adjacent to one another in partially overlapping relationship; and a shield for said instrument comprising a first magnetic plate normal to said pivot axis and lying adjacent the side of said coil opposite said magnet construction, a second magnetic plate normal to said pivot axis and at the side of said magnet construction opposite said coil, and a magnetic tubular part intervening said plates and concentric to said pivot axis, said second plate having a central opening therein permitting the removal of said magnet construction from said shield.

2,460,687

INDUCTION HEATER

Norbert E. Fuchs, Cleveland, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey

Application March 31, 1945, Serial No. 585,973
3 Claims. (Cl. 219—13)



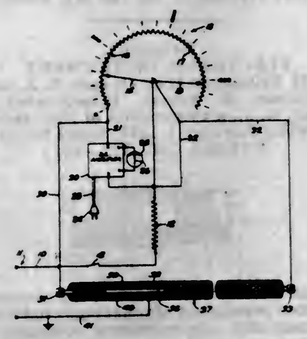
1. An induction heater comprising first and second associated transformer secondary terminals, third and fourth associated transformer secondary terminals, a main conductor having a straight portion and return conductors having straight portions beside the straight portion of said main conductor, said main conductor being mechanically and electrically connected at one end to said first transformer terminal and at the other end to said third transformer terminal, said return conductors each being connected at one end to said second transformer terminal and at the other end to said fourth transformer terminal.

2,460,688

APPARATUS FOR LOCATING FAULTS IN CABLES

Richard D. Gambrill and Clay E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application May 4, 1944, Serial No. 534,094
2 Claims. (Cl. 175—183)



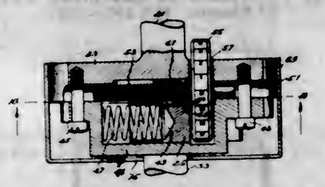
1. In an apparatus for testing for and locating high resistance faults in the insulating jackets of insulated cables including a calibrated potentiometer connected across the ends of the conductor of such a cable, means for impressing a high D. C. potential across the balancing arm of the potentiometer and the insulating jacket of the cable to break down the insulation at a fault therein and divide the cable at the fault so as to form a Wheatstone bridge circuit with the potentiometer, and balance indicating means comprising a D. C. vacuum tube amplifier and a milliammeter, said bridge circuit being connected to the input circuit of the D. C. amplifier and said milliammeter being connected to the output circuit of said amplifier, whereby when the bridge circuit is formed through the breakdown of a high resistance fault in the insulation, any large currents produced therein will pass through the amplifier only and will affect the milliammeter only as permitted by the amplifier.

2,460,689

BORING HEAD

Howard C. Gillette, Gates, N. Y.

Application April 11, 1945, Serial No. 587,709
7 Claims. (Cl. 279—6)



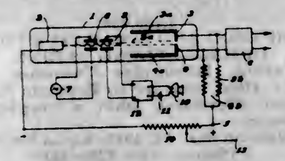
2. A boring head for use with a machine tool, including a shank for attachment to the machine tool, a plate attached to said shank, said plate being of disk-like form and having an approximately circular outline substantially concentric with said shank, a pivot mounted on said plate adjacent one edge thereof, a carrier mounted on said pivot to oscillate thereon and extending in an approximately diametrical direction from said pivot across said plate, a socket at an intermediate point of said carrier for receiving a boring tool, and means mounted on said plate and cooperating with said carrier near the end thereof remote from said pivot, for adjusting the position of said carrier relatively to said plate to adjust the eccentricity of a boring tool mounted on said carrier with respect to the axis of said shank.

2,460,690

MODULATOR

Paul Glass, Chicago, Ill., assignor to Askania Regulator Company, a corporation of Illinois

Application November 14, 1946, Serial No. 709,741
3 Claims. (Cl. 332—13)



1. In combination, an electron tube including means for establishing an electron beam along a given axis, a pair of anodes arranged on opposite sides of said axis, an output circuit connected to said anodes in push-pull relation, a

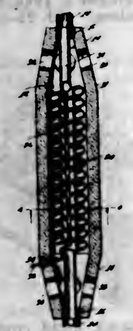
deflecting system arranged to deflect said beam in the plane of said anodes, a source of alternating current of fixed frequency, means for energizing said deflection system from said source to alternately deflect the beam from one anode to another at the frequency of said source and at a constant amplitude, a second deflection system arranged to deflect said beam in the plane of said anodes, and a source of signal current for energizing said second deflecting system to shift the mean position of said beam to one side or the other of said axis in the plane of said anodes, and said anodes having a dimension in the direction of deflection of said beam relatively large with respect to the transverse dimension of said beam in the same direction.

2,460,691

HOT-WATER HEATING UNIT

George M. Godshall, Leonardo, N. J.

Application April 23, 1946, Serial No. 664,376
1 Claim. (Cl. 219—39)



A device of the character described, comprising a hexagonal shaped housing formed of refractory brick, a complementary shaped chamber in said housing, a hexagonal shaped coil in said housing, inlet and outlet pipes connected to said housing and to said coil, electrical heating means mounted in said housing intermediate of said coil, a support in said housing for mounting said heating means thereon, tapered ends on said housing and diametrical apertures in said tapered ends to admit air into said housing.

2,460,692

POLYMERIZATION OF RESIN OILS WITH MIXED CLAY AND ORGANIC ACID CATALYST

David F. Gould, Riverton, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York

No Drawing. Application June 24, 1943, Serial No. 492,121
6 Claims. (Cl. 260—81)

1. A process for producing resins from resin oils selected from the group consisting of oils obtained from coal tar, water-gas tar, oil-gas tar, drip oil, coke-oven distillates and cracked and reformed petroleum distillates, the polymerizable constituents of which consist predominantly of at least one of the compounds selected from the group consisting of coumarone, indene, styrene, and their homologs, which comprises contacting the oil with an effective amount up to 15% of an unactivated adsorbent clay, containing between 12% and 27% alumina and between 54% and 63% silica, and an effective amount up to 4% of an acid selected from the group consisting of formic and oxalic acids based on the weight of the oil at a temperature between 80° and 120° C.

2,460,693

SEQUENCE CONTROL MECHANISM

Edward L. Hall, Los Angeles, Calif., assignor to North American Aviation, Inc.

Application May 12, 1947, Serial No. 747,772
3 Claims. (Cl. 74—471)

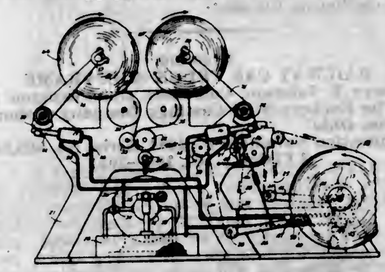
1. A combined lost motion and sequence device comprising a supporting member, a first long curved guide slot associated with said supporting member, a shorter second curved guide slot associated with said member spaced from and diverging with respect to said first guide slot, a control member having a terminal guided for movement within said first guide slot, an operating member having a terminal guided for movement within said second guide slot, and link means interconnecting the said terminals of said control and operating members, the curvature and relationship of said guide slots arranged in such manner as to positively transmit forces from said control to said operating member during an initial portion only of said guided terminal movement and for the remaining portion of said guided terminal movement said control forces are overridden by rotation of said link means and said forces are not transmitted to said operating members.

2,460,694

WEB TENSIONING AND PRESSURE MECHANISM

Henry L. Haswell, Brevard, N. C., assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C., a corporation of Delaware

Application August 8, 1945, Serial No. 609,638
16 Claims. (Cl. 242—75)



1. In a slitting or rewinding machine having a supply roll and at least one rewind roll and a winding drum to drive said roll, means for passing a continuous web from the supply roll and between the drum and said rewind roll, the combination of hydraulically controlled pressure mechanism for regulating the tension of the web running from the supply roll and for maintaining constant pressure between the rewind roll and said drum, the rewinding roll resting upon the

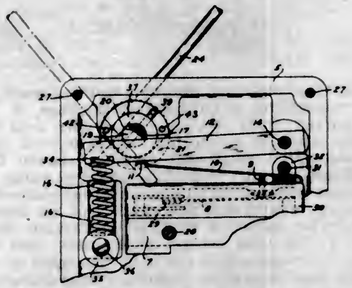
2,460,699

2,460,701

ROD OR PIPE CLAMP

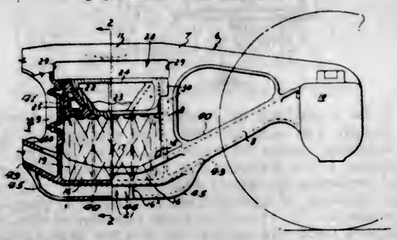
winding drum and being maintained in positive pressure contact therewith by said hydraulically controlled mechanism, the pressure control mechanisms for regulating the tension of the web and for maintaining the pressure on the rewind roll being interconnected as component parts of a single hydraulic system.

2,460,695
SENSITIVE SWITCH ACTUATOR
Mark M. Hennessy, Milwaukee, Wis., assignor to Durant Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application August 31, 1946, Serial No. 694,224
4 Claims. (Cl. 74—96)



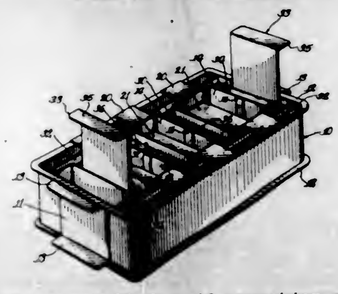
1. A switch actuator comprising, a switch housing casing, a rigid lever pivotally suspended within said casing in spaced relation to the switch, a leaf spring interposed between said lever and the actuating plunger of the switch, the free end of said spring remote from said plunger slidably engaging one side of the swinging end of said lever, an oscillatory shaft journalled in said casing transversely of said lever and having a transverse recess provided with a flat elongated bottom surface facing and cooperable with the opposite side of the swinging end of said lever to position the latter in neutral position, said recess being of greater depth than the length of the adjacent radius of the shaft, a stiffer second spring confined within said casing and coacting with said lever to constantly urge the same toward said shaft and recess bottom, and an arm projecting laterally of said shaft externally of said casing for oscillating the shaft.

2,460,696
RAILWAY CAR TRUCK SIDE FRAME
George T. Johnson, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application November 27, 1944, Serial No. 565,241
3 Claims. (Cl. 105—205)



1. A railway car truck truss type side frame including a tension member provided intermediate its ends with a spring seat, a compression member, and spaced bolster guide columns connecting the tension and compression members, each column having a web with a substantially vertical lower portion merging with the spring seat, the tension member having a web at the top thereof inclined downwardly from the end portions of the side frame and merging with said vertical portions of the column webs above said seat, said spring seat extending in opposite directions beneath the column webs, diverging upwardly toward the ends of the side frame and terminating between the columns and the ends of the side frame, the bottom of the medial portion of the compression member being spaced a sufficient distance above the spring seat to accommodate upward and downward movement of a bolster end resting on long travel springs.

2,460,697
CONCRETE BLOCK MOLD
Lawrence F. Kreger, Chicago, Ill.
Application September 5, 1946, Serial No. 694,870
5 Claims. (Cl. 25—119)

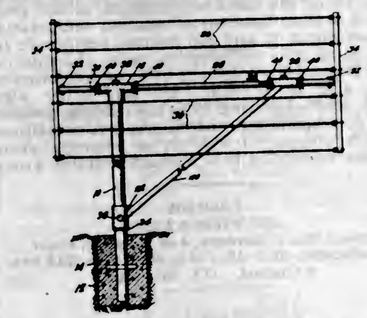


1. A concrete block mold comprising a rectilinear mold frame, a plurality of cores located within said frame in spaced relation thereto, straps for holding said cores in place and bridging the space between the cores and the frame, an ejector plate movable in said space and limited for movement in one direction by said straps, and means on said ejector plate for engaging said straps to effect such limitation of movement of the plate and having a relatively small area of engagement with the straps to prevent concrete spilled on said straps from interfering with movement of the plate.

2,460,698
CANDY CHEWING GUM
Eric G. Lindhe, Hastings on Hudson, N. Y., assignor to Sweets Laboratories, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 7, 1946, Serial No. 652,798
10 Claims. (Cl. 99—135)

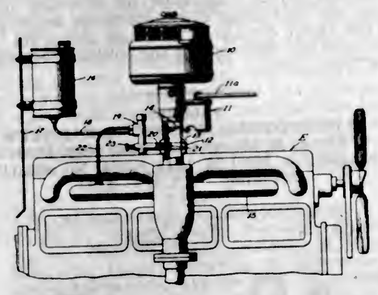
1. A hard-candy-like chewing gum stabilized against oxidative deterioration having a uniform homogeneous hard - candy - like appearance throughout its interior inside of its surface and having a tendency to crunch and fracture like hard candy and consisting of a uniform homogeneous dispersion of substantially dehydrated sugar as an exterior phase and chewing gum base dispersed therethrough as an interior phase, said chewing gum base being invisible to the eye along the fractures, said gum gradually being converted from hard candy texture to chewing gum texture and forming an elastic cud when retained in the mouth and chewed.

2,460,699
CLOTHESLINE POLE
Chester Clay Long, Los Angeles, Calif., assignor of one-half to Ballinger Mills, Jr., Galveston, Tex.
Application December 2, 1946, Serial No. 713,586
17 Claims. (Cl. 211—119.16)



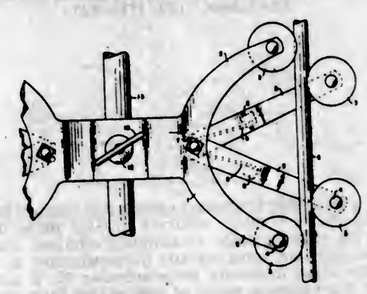
5. A clothesline support comprising a vertical leg, a brace rotatably received thereon, a bearing on said leg and a bearing on the end of said brace, a shaft received in said bearings, first means for locking said shaft in selective positions, means for locking said brace in selected positions relative to said leg, anchoring means secured to said leg, a pair of transverse cross-members removably secured to the ends of said shaft, having clotheslines secured therebetween, said first means including apertures in said shafts and bearings, and studs received therein, said means including a removable locking pin extending through openings in said brace and said leg.

2,460,700
METHOD OF OPERATING AN INTERNAL-COMBUSTION ENGINE
Willard E. Lyons, deceased, late of Chicago, Ill., by John T. Dempsey, administrator, Chicago, Ill., assignor to Leo Corporation, Chicago, Ill., a corporation of Illinois
Application July 1, 1947, Serial No. 758,469
11 Claims. (Cl. 123—1)



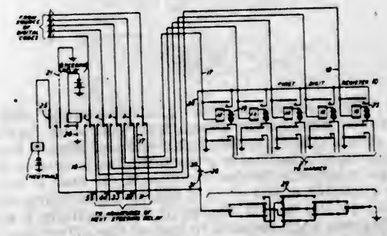
1. The method of creating and maintaining combustion-improving catalytic deposits in the combustion chamber of an internal combustion engine, which comprises introducing into the combustion chamber during operation of the engine an aqueous type internal coolant liquid containing a small but effective quantity of a dispersed compound of a catalytic metal.

2,460,701
ROD OR PIPE CLAMP
Celso L. Malaspina, Tuckahoe, N. Y., now by judicial change of name Charles Louis Marshall
Application July 12, 1946, Serial No. 683,106
5 Claims. (Cl. 24—254)



1. A holder comprising a yoke-shaped member having upper and lower arms, with grooved wheels at the ends thereof, movable arms pivoted to said yoke between the arms thereof, each of said movable arms being associated with one of the arms of the yoke and projecting beyond same, the movable arms each carrying a wheel at the outer end in position to cooperate with one of the first named wheels, and means engaging said movable arms for normally holding same in position to grip a vessel between the wheels thereon and the wheels on the fixed arms.

2,460,702
REGISTRATION SYSTEM
Paul Mallery, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 30, 1948, Serial No. 5,467
6 Claims. (Cl. 177—353)

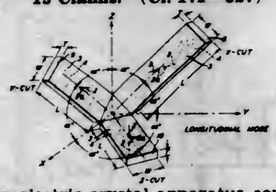


1. A registration system comprising a plurality of register relays, each relay provided with a single energizing winding and contacts, signaling means effective to energize momentarily and simultaneously a desired group of said windings, one group per registration and consisting of at least one winding, indicating means for indicating whether said desired group of windings has been energized, circuit means including contacts of said relays for controlling said indicating means, said contact inclusive means adapted to effect continued energization of said group of windings when said signaling means ceases to energize same, and circuit means for preventing said signaling means from controlling directly said indicating means.

potential, high frequency electricity; a high ca-

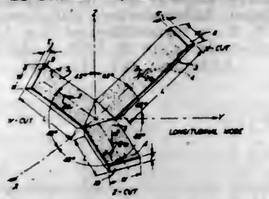
2,460,711
POTTING APPARATUS

2,460,703
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 659,679
13 Claims. (Cl. 171—327)



1. Piezoelectric crystal apparatus comprising a piezoelectric sodium chlorate crystal plate having its substantially rectangular-shaped major faces disposed substantially perpendicular to one of the three mutually perpendicular X, Y and Z axes, the opposite edges of said major faces being disposed at one of the angles of substantially 0 and 45 degrees with respect to one of the other two of said three mutually perpendicular X, Y and Z axes, and means comprising electrodes disposed adjacent said major faces for operating said crystal plate in a face mode of motion at a frequency which varies in substantially uniform linear relation with respect to the value of ambient temperature applied thereto.

2,460,704
PIEZOELECTRIC CRYSTAL APPARATUS
Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1946, Serial No. 659,680
13 Claims. (Cl. 171—327)

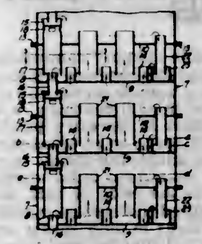


1. Piezoelectric crystal apparatus comprising a piezoelectric sodium bromate crystal plate having its substantially rectangular-shaped major faces disposed substantially perpendicular to one of the three mutually perpendicular X, Y and Z axes, the opposite edges of said major faces being disposed at one of the angles of substantially 0 and 45 degrees with respect to one of the other two of said three mutually perpendicular X, Y and Z axes, and means comprising electrodes disposed adjacent said major faces for operating said crystal plate in a face mode of motion at a frequency which varies in substantially linear relation with respect to the value of ambient temperature applied thereto.

2,460,705
CHLORINOLYSIS
Earl T. McBee and Ogden R. Pierce, La Fayette, Ind., assignors to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application July 18, 1946, Serial No. 684,533
7 Claims. (Cl. 204—163)

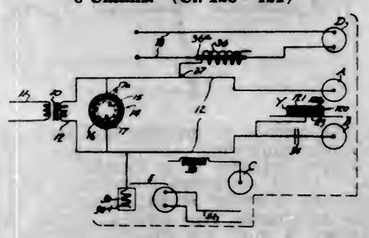
1. In a method for the conversion of an isopropyl group on an aromatic ring containing from one to three alkyl substituents, each substituent containing from one to five carbon atoms inclusive, at least one of which is the isopropyl group, to a pentachloroethyl group, the step of reacting the aromatic compound together with chlorine, the total amount of chlorine being in excess of that theoretically required to perchlorinate all of the alkyl substituents, in the presence of actinic light, at a reaction temperature between about 20 and 200 degrees centigrade for a period of time sufficient to cause chlorinolysis of the isopropyl substituent to a pentachloroethyl group and to perchlorinate any other alkyl groups, and separating from the reaction product the corresponding perchloroalkyl-substituted aromatic compound wherein an isopropyl group has been converted to a pentachloroethyl group.

2,460,706
RECTIFICATION
Ernest Kurt Metzner, Los Angeles, Calif.
Application May 19, 1947, Serial No. 749,045
8 Claims. (Cl. 261—108)



1. In a rectification column, a second plate and a first plate parallel to and immediately below said second plate, said second plate having a plurality of boiling tubes extending from a first elevation above one side of said second plate and terminating adjacent to but spaced from the first plate, a first liquid drain tube extending from above the second plate for discharging liquid onto said first plate, a vapor tube supported in the first plate for discharging vapor from below said first plate to between the second and first plates at an elevation above the level of liquid normally standing on said first plate, and a second liquid drain tube for draining liquid from the first plate at an elevation below that of the vapor discharge tube and above the elevation of the lower end of the boiling tubes above said first plate.

2,460,707
ELECTROTHERAPEUTIC APPARATUS
Thomas H. Moray, Salt Lake City, Utah
Application April 30, 1943, Serial No. 485,112
8 Claims. (Cl. 128—421)

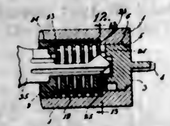


1. Apparatus for applying radiant energy therapeutically, comprising means for producing high potential, high frequency electricity; a high capacity sparking condenser; and a treatment electrode connected in circuit with the foregoing, said treatment electrode including a discharge element adapted to charge the patient with said high potential, high frequency electricity, and radioactive means adapted to discharge radioactive emanations into said charged patient.

2,460,708
PROCESS FOR MAKING ACETAMIDO DIMETHYLACRYLIC ACID
Ralph Mozingo, Elizabeth, and Karl Folkers, Plainfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application March 22, 1946, Serial No. 656,510
1 Claim. (Cl. 260—534)

The process which comprises reacting α-amino-β-methoxyisovaleric acid with a mixture comprising aqueous sodium acetate and acetic anhydride to produce α - acetamido - β,β - dimethylacrylic acid.

2,460,709
LOCK MECHANISM
Eugene M. Navarro, New York, N. Y.
Application February 25, 1947, Serial No. 730,765
2 Claims. (Cl. 70—369)

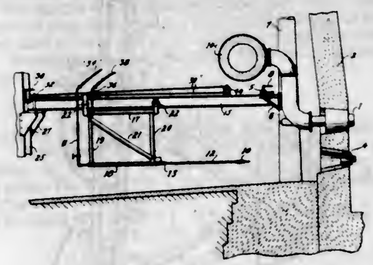


1. A lock comprising a casing having separated longitudinal ribs therein, a barrel therein having tumblers to project between some of said ribs and engage the casing and prevent rotation of the barrel till said tumblers are retracted, the casing having a circular slot on its interior adjacent the inner ends of said ribs, and an additional tumbler to engage the slot to permit the barrel to be turned in the casing while holding it against withdrawal therefrom, all of said ribs being united at their inner ends to provide one wall of said slot, the latter having an entrance opening between two of said ribs, which are bevelled at their forward ends, and a rotatable plug in said casing on the other side of said slot, said plug having a cavity and a transverse recess and the inner end of said barrel a stud and a projection to enter same respectively, the plug also having a circular groove and the casing a stop entering the groove to allow limited rotation of the plug.

2,460,710
FUNGICIDAL PREPARATIONS
Kenneth G. Nolan, South Norwalk, Russell L. Morgan, Old Greenwich, and John H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 31, 1947, Serial No. 725,742
6 Claims. (Cl. 99—154)

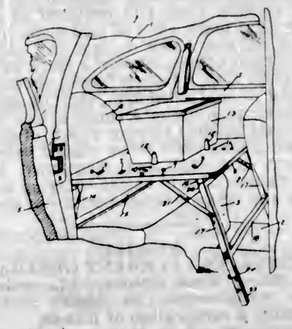
1. A method of controlling organisms which cause decay of citrus fruits which includes applying to said fruit a toxic quantity of a water soluble compound selected from the group consisting of 2-aminopyridine and its salts of acids.

2,460,711
BOTTING APPARATUS
Martin O'Hare, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application July 31, 1946, Serial No. 687,268
6 Claims. (Cl. 266—42)



1. In a botting apparatus for controlling flow through a discharge opening such as the cinder notch of a blast furnace, including a beam extending outwardly from the opening at a level thereabove, the improvement comprising a trolley reciprocable along said beam, said trolley being composed of tubular members, a tubular bott rod extending from said trolley and communicating with the interior of one of the tubular members thereof and coolant-liquid connections extending to said trolley.

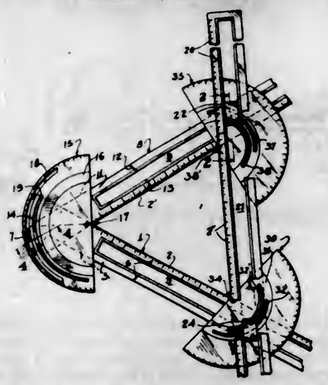
2,460,712
COLLAPSIBLE CASKET TABLE FOR AUTOMOBILES
Russell G. Peterson, Minneapolis, Minn.
Application December 21, 1946, Serial No. 717,753
1 Claim. (Cl. 311—21)



In a device of the class described, a casket-receiving top, a pair of relatively long supporting legs hingedly secured to the lower surface of said top adjacent one longitudinal edge thereof and adapted to engage the floor of a vehicle adjacent an upstanding seat, said legs being longitudinally extensible and contractible, and a pair of relatively short legs hingedly secured to the lower surface of said top adjacent the opposite longitudinal edge thereof and adapted to rest upon said seat, said shorter legs being connected at their bases by an enlarged seat-engaging brace member.

comprising two longitudinal strips disposed edge

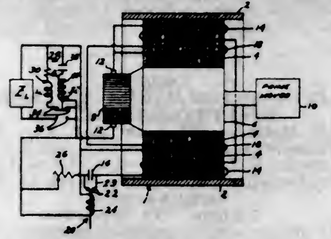
2,460,713
GEOMETRICAL MEASURING AND DRAFTING INSTRUMENT
Ewell Richardson, Los Angeles, Calif.
Application February 10, 1948, Serial No. 7,398
4 Claims. (Cl. 33—98)



4. A geometrical instrument comprising a protractor plate, a protractor scale on said plate, a zero mark on said protractor scale, a pair of concentric arcuate slots, an arm, an arcuate flange on said arm, of curvature similar to the curvature of one of said slots and slidably positioned in said slot, a second arm, a second arcuate flange on said second arm, of curvature similar to the other of said slots and slidably positioned in said other slot, each of said arms having a ruled straight edge along opposed longitudinal faces of said arms, said edges intersecting at said zero mark, said plate also having a circular edge centered at said zero mark, each of said arms being chamfered to form an arcuate chamfer of radius of curvature substantially equal to the curvature of said circular edge and centered at said zero mark on said plate, each of said arms containing a slot, a slidable block in said slot, an arcuate ridge on each of said blocks, a third arm, a slot in said third arm, a pair of blocks slidably placed in the slot in said third arm, each of said pair of blocks having an arcuate ridge, a pair of plates, each of said plates carrying a pair of concentric slots, said plates each being placed between the third arm and said first mentioned arm, the arcuate flanges of said blocks entering said arcuate slots and being slidably positioned therein.

2,460,714
ALTERNATING CURRENT GENERATOR
Carl S. Roys, West Chicago, Ill., assignor, by mesne assignments, to Nader Engineering Company, a corporation of Illinois
Application March 29, 1946, Serial No. 658,061
8 Claims. (Cl. 171—209)

8. In combination, a self-excited, commutator type generator having an exciting field winding, a capacitive reactance connected in series relation with said field winding, a primary load for said generator, a dummy load conducting D. C. current, a selector relay responsive only to A. C. voltage arranged to be energized by the generated voltage of said generator, said relay having one set of normally closed contacts connecting said dummy load across the terminals of said generator and another set of normally open contacts connecting said primary load across the terminals of said generator, whereby said primary load is supplied by said generator only when operating as an A. C. generator, means providing a direct current conducting path in shunt to said capacitive reactance, whereby said generator builds up as a direct current generator and

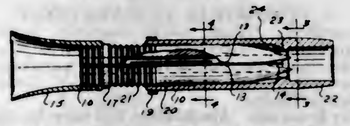


supplies said dummy load, and means for opening said direct current conducting path in response to the voltage generated by said generator, whereby said generator is converted to A. C. generation and supplies said primary load.

2,460,715
BRASSIÈRE
Henry Schoebel, West Hempstead, N. Y., assignor to Model Brassiere Corp., Brooklyn, N. Y., a corporation of New York
Application June 20, 1947, Serial No. 755,839
2 Claims. (Cl. 2—42)

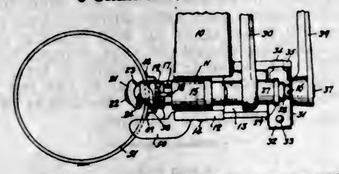
1. A brassière comprising a body encircling band having breast receiving pockets thereon, a preformed segment patterned to shape the contour of each of said breast receiving pockets, adhesive means for attaching said segments to said breast receiving pockets and a flexible strip adapted to maintain said contours of said segments whereby said breast receiving pockets are held in position on the breasts, said flexible strip extending throughout the bottom edge of each of said segments and being secured to the edges of said body encircling band.

2,460,716
BIRD CALL
Robert G. Shurley, Money, Miss.
Application November 8, 1946, Serial No. 708,663
2 Claims. (Cl. 46—180)



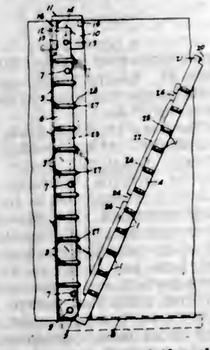
1. A bird call comprising substantially semi-cylindrical tongues having longitudinal grooves to form a bore and inner opposed longitudinal edges, the rear portions of the edges diverging rearwardly, a reed held between the opposed edges, a horn secured to the front end of the tongues, a sleeve receiving the tongues and having screw-threaded engagement therewith, said sleeve being provided near its rear end with an internal flange, and ribs secured to the rear ends of the tongues and extending longitudinally thereof and having rearwardly converging edges engaging within the flange, so that rotation of the sleeve in one direction moves the rear portions of the tongues closer together while rotation in the opposite direction moves said rear portions further apart whereby the pitch of the call may be varied

2,460,717
CAN OPENER
Courtland N. Smith, Jr., Colonia, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New Jersey
Application February 16, 1945, Serial No. 578,232
6 Claims. (Cl. 30—9)



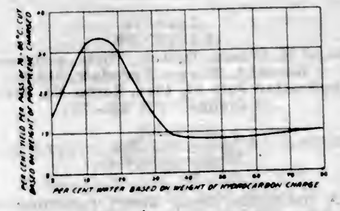
2. A can opener including a frame, a revolvable cutter, a can feeding means comprising a propelling wheel engaging the exterior of the can to propel the same in relation to the cutter, said revolvable cutter having a substantially horizontal part engaging the top of the can rim while the propelling wheel is rotated and is in frictional engagement with the bottom of the can rim, a guide extension on said frame below said can propelling wheel, and a guide element for positioning the can in the opener, comprising a flat spring metal body mounted rearwardly of the can propelling wheel and beneath the revolvable cutter and having a pair of forwardly extending wing elements disposed before and behind the point of cutting of said cutter, the lower edge of said spring metal body being seated upon said extension from the can opener body.

2,460,718
LOOSE-LEAF BINDER
Clifford Brooks Stevens, Milwaukee, Wis., assignor to The Heinn Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 11, 1943, Serial No. 505,717
8 Claims. (Cl. 129—10)



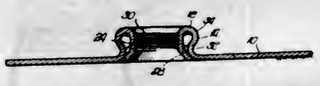
1. In a loose leaf binder of the class described, a base of uniform thickness and width throughout comprising two longitudinal strips disposed edge to edge, a pivotal connection at one end for securing said strips together and providing for lateral separation of the same at the opposite end, a slide of a width substantially the same as the strips at the laterally separable end of said strips for laterally locking the same in closed position with the strips being recessed beneath their ends to receive the slide, said slide underlying the recessed end of the strips to maintain the uniform base dimensions and protect the lock against injury.

2,460,719
PROCESS OF ALKYLATION IN THE PRESENCE OF WATER AS CATALYST
William A. Stover, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application December 1, 1945, Serial No. 632,211
6 Claims. (Cl. 260—683.4)



2. The process of manufacturing a high-octane motor fuel, which comprises contacting an alkylatable normally gaseous isoparaffinic hydrocarbon with a normally gaseous olefinic hydrocarbon containing at least three carbon atoms, in a gaseous phase and in a reaction zone under alkylating conditions including a temperature varying between about 700° F. and about 850° F. and a pressure of at least 500 pounds per square inch, in the presence of a catalyst comprising essentially water in amounts of up to about 30% by weight based on the hydrocarbon charge, and maintaining said alkylatable normally gaseous isoparaffinic hydrocarbon in excess over said normally gaseous olefinic hydrocarbon in said reaction zone, so that alkylation is the principal reaction.

2,460,720
THREADED OPENING
Roy J. Thompson, Gary, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application July 7, 1945, Serial No. 603,682
3 Claims. (Cl. 285—49)



1. A bung comprising a flat base member, a circular wall extending substantially normal to said base member, said wall having a rounded rim merging into a flange extending toward the article, said flange terminating in a reflanged portion flaring from the flange toward and contacting the base member at the base of the wall,

2,460,721

thereby establishing an electrical quantity in ac-

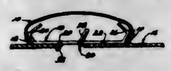
2,460,724

apart alignment and two strips extending di-

2,460,721
METHOD OF FORMING BUNGS IN METALLIC PLATES
Roy J. Thompson, Gary, Ind., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Original application July 7, 1945, Serial No. 603,682. Divided and this application May 3, 1947, Serial No. 745,881
3 Claims. (Cl. 29—148.2)

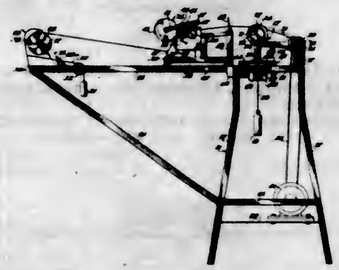
1. The method of forming an opening member in a plate or the like comprising, forming a circular recess having a wall extending from the plate, the wall being closed by an end portion, dishing and punching such end wall to form a reentrant flange and annular recess, reflanging such flange at its end, and closing said recess in said wall.

2,460,722
FASTENER
David H. Waara, Detroit, Mich., assignor to Robert L. Brown, Ferndale, Mich.
Application July 17, 1946, Serial No. 684,226
2 Claims. (Cl. 24—73)



2. A malleable sheet metal fastening device comprising a base, a downwardly and outwardly extending stationary arm depending from said base, a second arm extending above and below said base, said second arm being joined to said base by malleable means intermediate the ends of said arm whereby it is adapted to be bent to project its lower portion in a direction opposite to the direction of said first named arm to form a positive locking means.

2,460,723
LINE MEASURING AND REELING DEVICE
Max Weesner, Cincinnati, Ohio, assignor to The Weesner Bait Company, Cincinnati, Ohio, a corporation of Ohio
Application July 3, 1945, Serial No. 602,992
7 Claims. (Cl. 242—85.5)

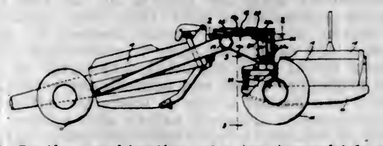


1. A machine for producing coils of line, comprising, a line measuring device, a series of spools for receiving the line and control means for directing the line onto successive spools, said control means being actuated from said measuring device for shifting the line to the next successive spool when a measured amount of line has passed through the device.

2,460,724
RESINOUS REACTION PRODUCTS
Harry L. Allen, Philadelphia, Pa., and Earl G. Kerr, Haddenfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 31, 1945, Serial No. 625,958
13 Claims. (Cl. 260—43)

1. A process for producing thermoplastic resins which comprises heating together at a temperature between 65° and 102° C. an oil containing as its major polymerizable constituent at least one polymerizable material of the group consisting of coumarone, indene and their homologs boiling below 210° C.; a phenolic reagent of the group consisting of phenol, mixtures thereof with minor proportions of cresols and mixtures thereof with minor proportions of xylenols; and 0.70 to 0.95 mol of formaldehyde for each mol of phenolic reagent and total polymerizable material, in the presence of an acid catalyst of the group consisting of sulfuric acid, phosphoric acid and hydrochloric acid, the weight of total polymerizable material being equal to not less than 10% nor more than 100% of the weight of said phenolic reagent in the mixture.

2,460,725
SPRINGING ARRANGEMENT FOR TRACTOR-TRAILERS
George E. Armington, South Euclid, Ohio, assignor to The Euclid Road Machinery Co., Euclid, Ohio, a corporation of Ohio
Application May 2, 1946, Serial No. 666,650
17 Claims. (Cl. 280—33)

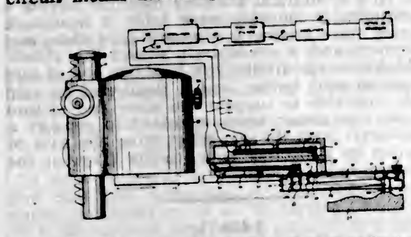


1. In the combination of a tractor vehicle and a trailer vehicle drawn thereby, hitch means connecting said vehicles and including horizontally disposed pivot means extending crosswise of said tractor vehicle, said vehicles being oscillatable about said pivot means, spring means mounted between said vehicles on one side of said pivot means only and adapted to be loaded by said vehicle oscillation, and dashpot means operatively connected with said spring means for controlling the unloading action of the latter.

2,460,726
SURFACE ROUGHNESS MEASURING DEVICE
John P. Arndt, Jr., Euclid, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1943, Serial No. 471,967
1 Claim. (Cl. 73—105)

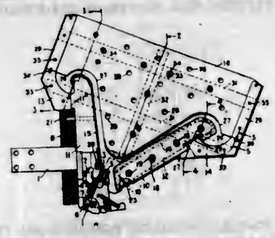
In a roughness measuring device for use on a specimen having surface waviness and surface roughness; an arm; motor means for driving said arm across said specimen; first piezoelectric crystal generator means mounted on said arm; a first stylus having a tip small enough to follow surface waviness and too large to follow surface roughness; first lever means connecting said first stylus to said first generator means for applying to said first generator means motions of small amplitude and large force compared to the motions and force applied to said first stylus as said first stylus is moved across said specimen

thereby establishing an electrical quantity in accordance with the waviness induced vertical excursions of said first stylus; second piezoelectric crystal generator means similar to said first generator means mounted on said arm; a second stylus having a smaller tip able to follow the surface roughness as well as the surface waviness, said second stylus being located on said specimen near said first stylus; second lever means connecting said second stylus to said second generator means for applying to said second generator means motions of small amplitude and large force compared to the motions and force applied to said second stylus as said second stylus is moved across said specimen thereby establishing an electrical quantity in accordance with the waviness and roughness induced vertical excursions of said second stylus, the electrical quantity established in accordance with waviness induced vertical excursions of said second stylus being substantially equal in magnitude to and substantially in phase with the electrical quantity established in accordance with the waviness induced vertical excursions of said first stylus; indicator circuit means including an indicator; first electrical connection means connecting said first generator means to said indicator circuit means for giving on said indicator an indication of surface waviness; second electrical connection means including switch means which upon being closed selectively connect said second generator means to said indicator circuit means simultaneously with said first generator means so that the electrical quantity from said first generator means is substantially 180 degrees out of phase with and substantially cancels the portion of the electrical quantity representing surface waviness from said second generator means whereby there is given on said indicator an indication of surface roughness; speed control means for controlling the speed at which said first and second stylii are driven across said specimen by said motor means whereby when said first generator means alone is connected to said indicator circuit means the speed at which said first stylus is driven across said specimen may be increased; and lifter means connected to said arm for lifting said second stylus up off of said specimen and maintaining said second stylus in said lifted position in order that its tip will not be damaged while said first stylus traces the specimen at high speeds.



2,460,727
ARC EXTINGUISHING DEVICE
Winfield A. Atwood, Yeadon, and Eugene W. Boehne, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York
Application October 8, 1945, Serial No. 621,064
2 Claims. (Cl. 200—144)

1. In an arc extinguishing device, two insulating plates forming an arc lengthening chute, insulating side walls between said plates comprising two hook-shaped elements in reverse spaced-apart alignment and two strips extending divergently outward from the arc initiating portion of the chute toward the discharge portion thereof and into abutting engagement with the inwardly curved ends of said hook-shaped elements with the ends of the strips projecting therebeyond in the chute to form therein recidivous arcing pockets open toward the discharge portion of the chute, and two divergent arc runners in said compartment respectively mounted on said strips, each of said arc runners having an outwardly hooked end curved around the projecting end of the mounting strip therefore into the recidivous arcing pocket therebehind.



2,460,728
COMBINATION TIE CLASP AND CHAMBERED HOLDER
Joseph Averna, Brooklyn, N. Y.
Application January 23, 1948, Serial No. 3,967
2 Claims. (Cl. 24—11)

1. A connecting means for securely fixing against movement the tail of a clip extending into a cylindrical chambered holder through an opening in the side wall of the chambered holder open at one end, said connecting means having a cylindrical plug extending into the open end of the holder and having a snug fit therein, said plug having a head forming an abutment or limiting stop to engage the open end of the holder, the inner end of said plug disposed adjacent to, but just clear of, the opening in the side wall of the chamber, said inner end of the plug being plane and extending perpendicular to the inner face of the holder and the full distance transversely from one side to the other of the inner face of the holder, means for anchoring the tail against movement laterally relative to said plug, and prongs extending from said inner end with a space between the same to receive the tail of the clip between them and anchor the tail against rotation relative to said plug, the prongs being clinched over the tail and anchoring the tail securely against the plane surface of the inner end of the plug.

2,460,729
COMMUTATOR MACHINE CONTROL
Frederick W. Baumann, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 23, 1947, Serial No. 770,243
9 Claims. (Cl. 318—244)

1. An alternating-current dynamoelectric machine having a stator and a rotor, a winding on said stator adapted by connection to a line to

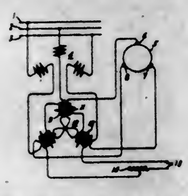
act as a power winding, a commutated winding

2,460,731
CRANKPIN GRINDING APPARATUS

thereto, said body supporting member including

2,460,736
LINT REMOVAL MEANS FOR BOBBIN WINDING MACHINES

act as a power winding, a commutated winding on said rotor, brushes contacting the commutator of said commutated rotor winding, a saturable core device comprising at least two windings arranged about a common magnetic core, means including an adjustable supply of direct current connected to one of said device windings for adjustably varying the degree of saturation of said

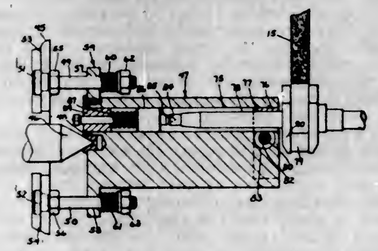


core, and means including connections from said commutator brushes to the other of said device windings for closing the circuit of said rotor winding and for varying the impedance in the external circuit of said rotor winding, whereby adjustment of said direct current supply may be made to affect the operating characteristics of said dynamoelectric machine.

2,460,730
CIGARETTE CONTAINER
David H. Bell, Overland, Mo.
Application March 19, 1948, Serial No. 15,870
1 Claim. (Cl. 312—73)

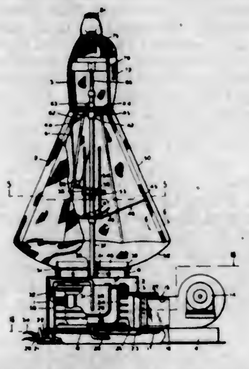
In a cigarette container, a body including an upper flared portion constructed of substantially rigid material, a disc secured to the body in vertical spaced relation with the upper flared portion providing the bottom of the container, an annular flange rising from said disc providing a central circular spring chamber, a movable member including a vertical band of a diameter equal to the diameter of the disc, a circular member secured to the outer surface of the band, providing the wall of the container, a ring disposed above the annular flange, arms connecting the ring to the band to move therewith, and an expansible spring resting within the spring chamber, the upper end of the spring being secured to the ring, said spring normally urging the band and movable circular member into engagement with the upper flared portion enclosing the cigarettes held in the container.

2,460,731
CRANKPIN GRINDING APPARATUS
Albert G. Belden and Carl G. Flygare, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application May 21, 1947, Serial No. 749,414
6 Claims. (Cl. 51—72)



1. In a cylindrical grinding machine having a longitudinally movable work table, a headstock on said table having a rotatable face plate and a center, and a crankshaft supporting chuck, yieldable means drivingly to hold one end of said chuck on said center, and a steadyrest on said table rotatably to support the other end of said chuck, said chuck being arranged to support a crankshaft with its axis offset from the axis of rotation by a distance equal to the throw of the crankpin to be ground.

2,460,732
GARMENT FINISHING DEVICE
Robert W. Brenner, Foster, and John R. Petre, Cincinnati, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application June 11, 1947, Serial No. 753,950
8 Claims. (Cl. 223—70)



1. Garment finishing apparatus of the character described, comprising a skirt supporting member including a flexible porous lower bag upon which the skirt portion of a garment may be dressed for finishing, a support for said bag, means for supplying a treating fluid under pressure to the space within said bag, and an upper body supporting member separate from the skirt supporting member and separably connected thereto, said body supporting member including foraminous front and back walls shaped to simulate the bosom and back of the torso and spaced apart to provide side openings, and a flexible porous upper bag mounted upon and enclosing said walls.

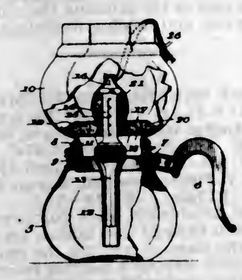
2,460,733
DIAMINO COMPOUND
Herman A. Bruson, Rydal, and Warren D. Niederhauser, Philadelphia, Pa., assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application June 13, 1945, Serial No. 599,302
1 Claim. (Cl. 260—583)

As a new composition of matter, a saturated diamine having the formula $C_{36}H_{74}N_2$, containing two primary amine groups, boiling at 230°–250° C. at 0.01 mm., and being the product obtained by treating dimerized octadecadienonitrile with hydrogen under pressure at 50° to 170° C. in the presence of a hydrogenation catalyst.

2,460,734
ASBESTOS IMPREGNATED WITH TIN OXIDE AND PROCESS OF PRODUCING
Thomas D. Callinan, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 4, 1944, Serial No. 557,238
2 Claims. (Cl. 117—126)

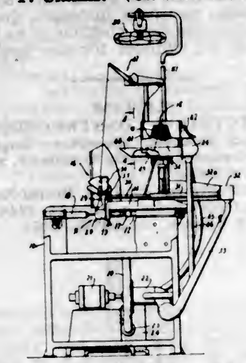
2. The method of improving the tensile strength and dielectric properties of a flexible asbestos paper consisting of 80 to 70 parts asbestos and 20 to 30 parts of clay, which consists in impregnating said paper with an aqueous solution of alpha stannic oxide and heating the impregnated paper to about 60 to 100° C. to convert the alpha oxide to the beta form of the oxide.

2,460,735
COFFEE STEEPING BAG
Katherine Ester Carroll, Prescott, Ariz.
Application December 1, 1947, Serial No. 789,092
6 Claims. (Cl. 99—77.1)



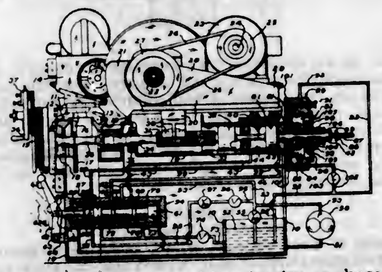
3. An improved coffee steeping bag comprising three discs of porous flexible material stitched together around the center to form a circle, said circle being diametrically slit in a plurality of directions to provide centrally extending flexible flaps adapted to fit closely around the central tube of a percolator, a row of stitching peripherally of the bottom and middle discs to form them into a sack, and a drawstring threaded peripherally through the upper disc to close it over the upper end of the said percolator tube.

2,460,736
LINT REMOVAL MEANS FOR BOBBIN WINDING MACHINES
Russell P. Drake, Caledonia, Ill., assignor to Barber-Colman Company, Rockford, Ill., a corporation of Illinois
Application November 22, 1946, Serial No. 711,782
17 Claims. (Cl. 242—32)



1. In a bobbin winding machine having means rotatably supporting a bobbin to be wound, a support mounted for movement in a direction lengthwise of the bobbin and adjacent thereto, a yarn traversing device mounted on said support, yarn supply means including a support for a yarn mass, and a tensioning device through which a strand of yarn leading from said yarn mass passes into operative association with the traversing device; the combination of lint removing means comprising an upwardly opening hood enclosing the yarn mass laterally thereof, hoods partially enclosing said yarn tensioning device and said yarn traversing device respectively, and an exhaust system connected with the respective hoods and operative to withdraw lint accumulating therein.

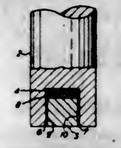
2,460,737
GRINDING WHEEL FEEDING MECHANISM
Carl G. Flygare, Worcester, Mass., and Homer L. Swainey, Shaker Heights, Ohio, assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application August 17, 1945, Serial No. 611,144
4 Claims. (Cl. 51—165)



1. In a grinding machine having a base, a transversely movable grinding wheel slide, a rotatable grinding wheel on said slide, a hydraulic piston and cylinder to move said slide rapidly toward and from an operative position, a dash pot feed regulator including a dash pot piston and cylinder to slow down the rapid approach-

ing movement to a predetermined relatively slow grinding feed, a control valve to control the admission of fluid to and exhaust of fluid from said hydraulic cylinder, and means including a pipe directly connecting the control valve with the dash pot cylinder to admit fluid under pressure directly from the pump to the dash pot cylinder during movement of the wheel slide to an inoperative position positively to return the dash pot piston to an inoperative position so as to rapidly fill the dash pot cylinder for the next grinding operation.

2,460,738
ELECTRODE CONSTRUCTION
Victor James Francis, Wembley, England, assignor to General Electric Company, a corporation of New York
Application February 25, 1947, Serial No. 730,805
In Great Britain June 14, 1946
6 Claims. (Cl. 176—126)



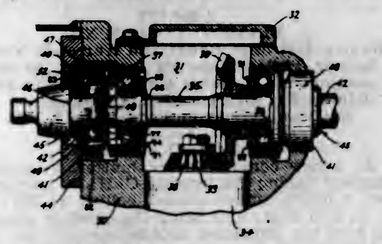
1. In an electrode structure for an electric discharge device of the high pressure type, the combination comprising a body member of refractory metal having at one end thereof a terminal surface, a recess in said terminal surface, activating material in said recess, and a plug inserted in said recess and having a shape different from that of said recess and defining with the wall of said recess a space for the passage of activating material to said terminal surface.

2,460,739
ELECTRODE CONSTRUCTION
Victor James Francis, Wembley, England, assignor to General Electric Company, a corporation of New York
Application February 25, 1947, Serial No. 730,806
In Great Britain April 17, 1946
5 Claims. (Cl. 176—126)

3. In an electrode structure for an electric discharge device of the high pressure type, the combination comprising a rod member of refractory metal, one end of said rod having a recess, activating material in said recess, and a plug in said recess, said end and plug defining a terminal surface constituting a substantial portion of the cross-sectional area of said end.

2,460,740
SEALING MEANS
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Original application February 12, 1942, Serial No. 430,554. Divided and this application October 31, 1944, Serial No. 561,236. In Canada December 4, 1942
4 Claims. (Cl. 308—187.1)

1. In apparatus having a substantially closed compartment and a rotatable shaft extending through the wall thereof, the combination with said shaft and wall of a roller bearing for journalling said shaft in said wall and sealing means for preventing the flow of oil from said compartment along said shaft comprising an oil slinger having fan-like blades attached to said shaft



adjacent one side of said bearing, an annular oil seal surrounding said shaft and having rubbing contact therewith on the other side of said bearing, a member surrounding said shaft between said bearing and annular seal, and a reverse spiral groove on said shaft where said shaft passes through said member in which it has only a running clearance.

2,460,741
RANGE CONNECTOR
Arthur Friedman, Shaker Heights, Ohio, assignor to Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application January 9, 1946, Serial No. 639,931
5 Claims. (Cl. 285—122)

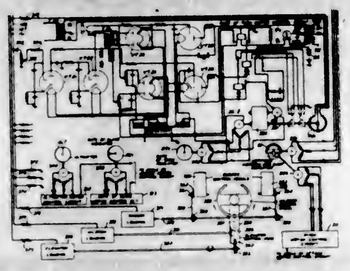
2. A tube coupling comprising in combination a body with a counterbore therein, a sleeve adapted to fit within the tube and with a flange fitting in and against the bottom of said counterbore to form an annular space for receiving the end of a tube, and means for gripping the outer surface of said tube end and holding it against the sleeve.

2,460,742
METHOD OF BREAKING UP FOAMED BLAST FURNACE SLAG AND OTHER SMELTS
Marcel Gallai-Hatchard, Cheam, England
No Drawing. Application June 3, 1947, Serial No. 752,276. In Great Britain April 18, 1946
Section 1, Public Law 690, August 8, 1946
1 Claim. (Cl. 49—77.5)

Method of producing blast furnace slag and other smelts in foamed and broken up condition, comprising the steps of pouring the molten smelt into a container having a bottom constructed of porous material, introducing water through the said bottom so as to have the bottom saturated with water prior to the pouring of the molten smelt which on being poured forms an initially foamed carpet or layer on the said bottom, introducing additional water through the porous bottom to complete the foaming of the smelt, ceasing the water supply, leaving the carpet or layer of foamed smelt to solidify and anneal on the porous bottom and then, while the solidified carpet or layer is still glowing or hot, introducing further water through the porous bottom to cause

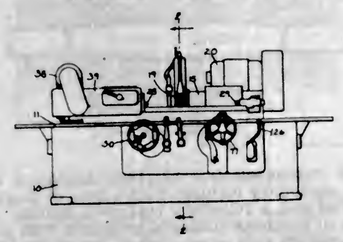
a chilling and sudden contraction of the carpet or layer whereby it will be broken up into pieces of foamed smelt of useful size.

2,460,743
AIRCRAFT PERSONNEL TRAINER
Charles E. Germanton, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1944, Serial No. 542,982
14 Claims. (Cl. 35—12)



1. In an aircraft trainer, a control member, means for applying a load to said control member in simulation of its operation under actual flight conditions, instruments for indicating different flight conditions, means for operating said instruments, an instructor's desk, motor-driven switching means for variably controlling said instrument operating means and said loading means to simulate the effect on the similar instruments of an aircraft and the effect on the response of the control of an aircraft when rough air conditions are encountered, and means at said desk for controlling said latter means.

2,460,744
CAMSHAFT GRINDING MACHINE
Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application June 6, 1947, Serial No. 752,978
5 Claims. (Cl. 51—101)



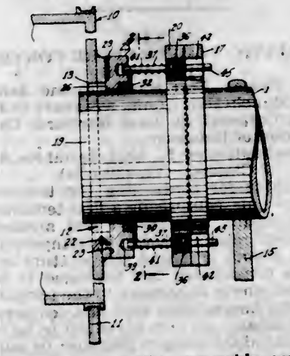
1. In a camshaft grinding machine having a transversely movable rotatable grinding wheel, a longitudinally movable table, a rock bar on said table, a master camshaft rotatably supported on said rock bar, a plurality of spaced master cams and master bearings on said shaft, a headstock and a footstock center on said rock bar in axial alignment with the master camshaft rotatably to support a camshaft having a plurality of spaced cams and bearings to be ground, a slidably mounted rotatable master cam roller on said table, an electric counter actuated by oscillation of the rock bar which is rendered operative when a cam is in an operative grinding position to control the duration of a cam grinding operation, and an electric timer which is rendered operative when a bearing is in an operative grinding position to control the duration of a bearing grinding operation.

2,460,745
PROCESS OF PREPARING N-ALKYLATED COMPOUNDS OF CONDENSED ARYL-PYRROLS
Harry W. Grimmel and Harlan B. Freyermuth, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 28, 1944, Serial No. 542,628
7 Claims. (Cl. 260—319)

2. The process for producing N-monoalkyl indoles which comprises refluxing an indole containing the hetero grouping

with an aqueous solution of caustic alkali in excess of that theoretically required to form the N-alkali indole and an organic solvent for the indole which is chemically inert in the reaction and which forms an azeotropic mixture with water, until no more water is distilled off, adding a dialkyl sulfate which is non-volatile at the reaction temperature to the reaction mixture, continuing the refluxing under vacuum until no more water is distilled off, and isolating the N-alkyl indole from the reaction mixture.

2,460,746
JOINT CONSTRUCTION
Thomas Guthrie, Albany, Calif., and Gordon R. Evans, Collingswood, N. J., assignors to Allied Chemical & Dye Corporation, a corporation of New York
Application August 6, 1945, Serial No. 609,270
3 Claims. (Cl. 285—10)

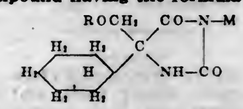


1. A joint construction assembly comprising a pair of adjacent members associated and arranged in substantially spaced-apart and in non-fluid-tight relation and to provide a port thru which fluid may egress or ingress, at least one of said members being rotatable with respect to the other; a bearing ring fixed to and projecting from the outside of one of said members, encircling but spaced substantially from said other member to constitute a portion of the wall of said port, and forming by its outwardly directed sur-

face a first sealing face; a wear ring, snugly associated with, projecting outwardly from, carried by but axially movable with respect to said other member and forming by a surface thereof a second sealing face directed toward and adapted to contact said first sealing face in fluid-tight relation; packing movable with said wear ring and mounted immediately between said wear ring and said other member for preventing passage of fluid between said wear ring and said other member, adjustable compression means carried by said other member and arranged externally of both of said members, said compression means acting directly on said wear ring to maintain said sealing faces in fluid-tight relation, said faces being constructed and arranged to form a seal surrounding said port and to permit substantial eccentric movement of said members without breaking contact between said sealing faces; said members, said rings and said adjustable compression means being so constructed and arranged as to facilitate ready adjustment of said compression means from without said assembly in its entirety.

2,460,747
5-ALKOXY-ALKYL, 5-CYCLOHEXYL HYDANTOINS
Henry R. Henze, Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application July 10, 1944, Serial No. 544,331
4 Claims. (Cl. 260—309.5)

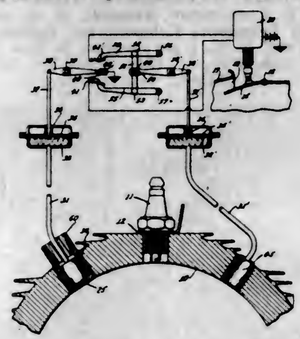
1. A compound having the formula



where R is a member of the class consisting of lower alkyl and cyclohexyl and M is a member of the class consisting of hydrogen and salt-forming groups non-toxic to the human body.

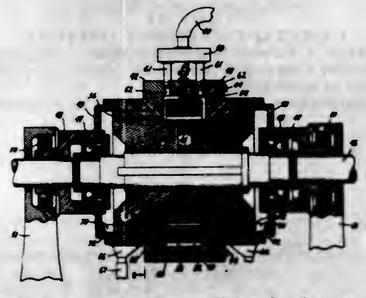
2,460,748
AUTOMATIC TEMPERATURE CONTROL APPARATUS
Donald S. Hersey, East Hartford, and Arthur A. Brown, Manchester, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application September 14, 1944, Serial No. 554,126
2 Claims. (Cl. 236—74)

1. Apparatus for controlling the temperature of a given means, comprising a first temperature-responsive means constructed and arranged to be sensitively responsive to the temperature of said given means, a second temperature-responsive means constructed and arranged to be relatively more slowly responsive to the temperature of said given means than said first temperature-responsive means, an arm arranged to be moved in a predetermined path in response to said first temperature-responsive means and connected to be moved in said path so that its position is a function of the temperature to which said first temperature-responsive means is exposed, an independently movable yoke means cooperating with said arm and having arms adapted to be selectively engaged by said arm upon the occurrence of a change of the temperature of said first temperature-responsive means, means responsive to said second temperature-responsive means for moving said yoke means in a direction such as to cause the disengagement of one of said yoke arms with the first named arm following such engagement incident to a change in the temperature of said given means, reversible actuating means for controllably varying the flow of a temperature-affecting fluid which directly influences the temperature of said given means,



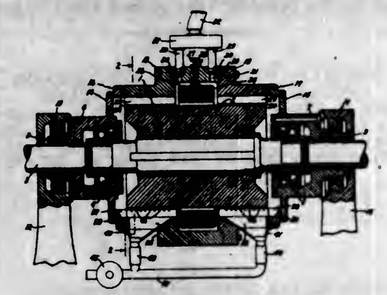
and an electric circuit for controlling the operation of said reversible actuating means to cause it to operate to vary the flow of said temperature-affecting fluid in a corrective direction respectively upon and during contact between said first named arm and one of the arms of said yoke means.

2,460,749
DYNAMOELECTRIC MACHINE
Roland F. Hertel, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 29, 1945, Serial No. 638,374
7 Claims. (Cl. 188—104)



1. A dynamoelectric machine having a relatively stationary member with a core of magnetic material and a relatively rotatable member with a core of magnetic material arranged with an air gap between said cores, means for magnetically exciting said cores, longitudinally extending teeth with slots therebetween in the inner peripheral surface of the magnetic material of said stationary member core, means for supplying cooling fluid into said air gap onto said rotatable member, means including longitudinally extending scoop members of nonmagnetic material in said slots adjacent the lowermost part of said stationary member with an outer longitudinal edge of said scoop members extending towards the adjacent teeth for removal of fluid from said rotatable member and for directing such removed cooling fluid into said slots, means including longitudinally extending guiding surface members of nonmagnetic material having transversely curved outer slot surfaces extending from the air gap surface of said latter teeth into said slot on the side of the tooth adjacent each of said scoop members for guiding cooling fluid from said air gap into said slots, and means for draining removed cooling fluid from said slots.

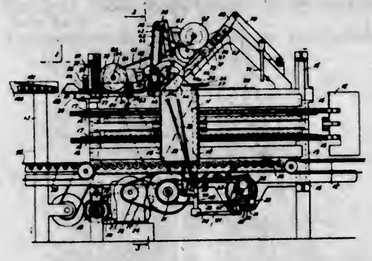
2,460,750
DYNAMOELECTRIC MACHINE
Roland F. Hertel, Nutley, N. J., assignor to General Electric Company, a corporation of New York
Application October 15, 1946, Serial No. 704,248
9 Claims. (Cl. 188—104)



1. An inductor eddy current type dynamoelectric machine having a rotor with a relatively smooth inductor eddy current surface and a relatively stationary member having magnetic flux-concentrating polar tooth means adjacent said rotor inductor surface radially spaced therefrom by an air gap, means for producing magnetic excitation of said machine for producing eddy currents in said rotor inductor surface on rotation of said rotor, means for supplying cooling liquid for flow into contact with said rotor inductor eddy current surface for cooling the same, at least one cooling liquid exhaust passage formed between said magnetic flux-concentrating polar means adjacent the lower part of said machine, and means for supplying a high velocity jet of air directed against said rotor inductor eddy current surface in a direction opposite to the direction of rotation of said rotor and adjacent said exhaust passage whereby the cooling liquid is removed from said rotor inductor eddy current surface for flow into said exhaust passage.

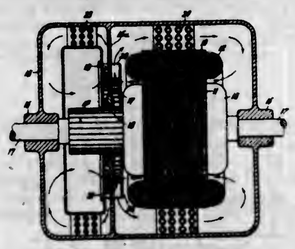
2,460,751
BUNDLE SEALING MACHINE
William L. Irvine, Brooklyn, N. Y., assignor to The American Sugar Refining Company, New York, N. Y., a corporation of New Jersey
Application February 4, 1947, Serial No. 726,418
18 Claims. (Cl. 93—6)

1. In a machine for closing and sealing the tops of bundles, the combination of means for advancing a bundle with an open top in upright position, a pair of folding members movable in a horizontal plane for forcing one end wall of the top inwardly, a pair of holding members movable into the top to engage the inner surface of the second end wall of the top, a plate engageable with the outer surface of the second end wall between the holding members, means for applying adhesive to the inner surface of the second end wall, means operable after the application of the adhesive to move the plate to force the second end wall inwardly upon the first end wall, while the holding members remain in



position, and form the side walls of the top into flaps, means for applying adhesive to the inner faces of the flaps, and means for folding the flaps inwardly upon the infolded end walls.

2,460,752
DYNAMOELECTRIC MACHINE
William E. Jacobsen, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York
Application September 9, 1947, Serial No. 772,986
9 Claims. (Cl. 171—252)

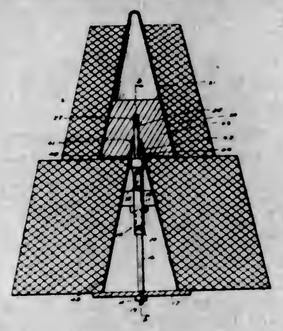


1. In a dynamoelectric machine having a stator core portion with a winding and a rotor core portion with a winding and a cooperating commutator, a substantially closed ventilating system for said core portions and said windings, a separate substantially closed ventilating system for said commutator, each of said ventilating systems comprising an assembly of impeller blades rotatable with the rotatable portions of said machine, and means for cooling ventilating medium in each of said ventilating systems.

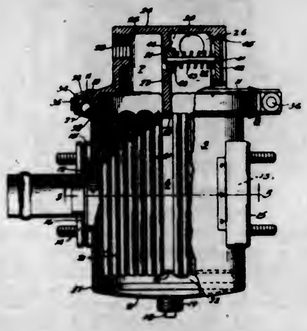
2,460,753
SPRING EQUIPPED DOUBLE CONE TIE
Stephen J. Kardos, Allentown, Pa.
Application April 17, 1945, Serial No. 588,867
2 Claims. (Cl. 242—130)

1. In combination with a plate for a knitting machine and a bobbin supporting bar therefor, said bar being formed with axially aligned sockets in its upper and lower ends, the upper end of said bar being enlarged and centrally countersunk, a spindle insertable in said lower socket for locking the bar on said plate, a bobbin supporting spindle in the upper socket in said bar, a bobbin on said spindle, said bar being formed with a radial opening communicating with the upper

socket, and a leaf spring supported locking detent on said bar disposable through said radial opening for locking said bobbin supporting spindle in said upper bore.

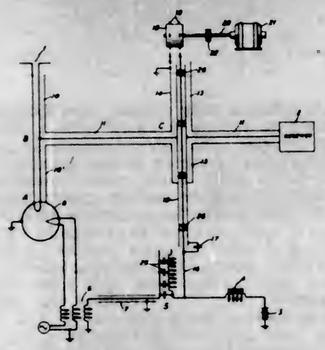


2,460,754
HEAT EXCHANGER
Earl H. Kidd, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application July 5, 1946, Serial No. 681,548
2 Claims. (Cl. 257—2)



1. In a device of the class described, the combination of a one-piece shell closed at one end and having the perimetrical portion of the open end formed to provide an annular ledge and having inlet and outlet ports formed in the sides thereof, a core for said shell comprising a pair of header plates held in axially-spaced relationship a distance less than the internal axial length of said shell by a plurality of axially-disposed radially-spaced tubes the ends of which tubes extend through and are bonded to the respective header plates, said core being adapted to telescopically fit within said shell with the one header spaced from the closed end of said shell to form a chamber communicating with all of said tubes, a closure for the open end of said shell formed with axially- and radially-disposed peripheral flanges the former of which is adapted to telescopically fit within the open end of said shell with the radially-disposed flange resting on the peripheral ledge of said shell, said closure having the interior divided into two compartments by an axially-disposed partition the lower end of which is disposed in the plane of the lower edge of said axially-disposed peripheral flange, said closure also having inlet and outlet ports communicating with the respective closure compartments, valve mechanism located in said partition and operable under the influence of fluid entering said closure inlet port for controlling communication directly between said closure compartments or indirectly through said core, and clamping means gripping the superimposed closure flange and shell ledge whereby to press said lower edges of said axially-disposed closure flange and partition against the upper of said header plates and thereby force the lower of said header plates into contact with said shell bottom to seal off communication between the chambers of said shell on the opposite sides of said lower header.

2,460,755
RECEIVER PROTECTIVE CIRCUIT FOR PULSE TRANSMISSION SYSTEMS
Battle H. Klyce, Jr., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1945, Serial No. 602,652
2 Claims. (Cl. 250—13)

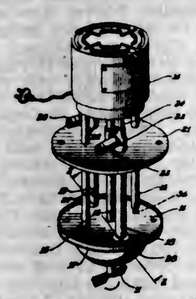


1. A pulse transmitting and receiving station comprising in combination an antenna, pulse transmitting means coupled to the antenna, a spark gap, a source of direct current for producing a spark discharge across the spark gap for initiating the generation of pulse energy by the pulse transmitting means, pulse receiving means, a coaxial transmission line for coupling the pulse receiving means to the antenna, and protective means for protecting the pulse receiving means from pulse energy generated by the pulse transmitting means, said protective means including an open-ended stub coaxial line extending from said coaxial transmission line for a length that is an even multiple of a quater wavelength of the pulse energy transmitted by the transmitting means, means for short-circuiting the open end of the stub line with said spark discharge whereby said short-circuit is virtually transferred to the coaxial transmission line, said means comprising said source of direct current and a wire conductor connected to said source and extending through the stub coaxial line to the open end thereof for forming one electrode of said spark gap, said wire conductor being capacitatively coupled to one of the concentric conductors of said stub coaxial line.

2,460,756
LINER AND TAP RING FOR STEEL BARRELS
Ernst R. Keppel, Chicago, Ill., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application August 22, 1945, Serial No. 611,977
6 Claims. (Cl. 285—49)

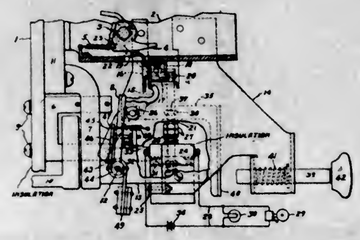
1. A barrel formed of sheet metal comprising a hollow shell; heads integral with said shell for closing the ends thereof; an inwardly dished depression in one of said heads having a tap aperture; a tap fitting having a tubular stub protruding through said aperture, said fitting having a flange the outer face of which is engaged with the margin of the head surrounding said aperture; a sheet metal annular bracket surrounding said fitting and anchored at its radially outer region to said head, the radial inner region of said bracket being superposed on the region of the head which engages the fitting flange; and an outside weld anchoring said superposed regions of the head and bracket to the fitting flange.

2,460,757
LIQUID CIRCULATING APPARATUS
William Kurz, Chicago, Ill., assignor to Precision Scientific Co., Chicago, Ill., a corporation of Illinois
Application August 24, 1945, Serial No. 612,471
1 Claim. (Cl. 259—96)



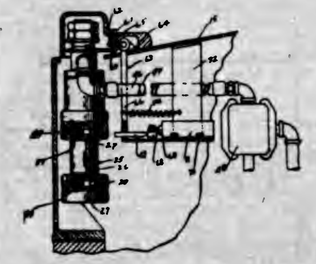
A constant temperature liquid circulating apparatus comprising in combination a storage vessel, a cover therefor carrying a driving motor having a shaft extending through said cover into said vessel and carrying at its lower end adjacent the bottom of said vessel a mixing agitator adapted to create circulating currents of liquid, a pump casing in said vessel, a plurality of posts from said cover and supporting said pump casing, said posts extending upwardly above said casing to support said motor, a pair of said posts being hollow and constituting liquid discharge and return conduits for said pump casing, an impeller carried by said shaft inside said casing, said casing having an opening therein for withdrawing a portion of the circulated liquid from said vessel, said return conduit having a discharge opening at a point remote from said agitator.

2,460,758
LOCKOUT AND ALARM DEVICE FOR CIRCUIT BREAKERS
Harold H. Lawson, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York
Application March 23, 1946, Serial No. 656,568
5 Claims. (Cl. 177—311)



1. A manually reset lockout and alarm device for a circuit breaker trip mechanism having automatic tripping means, comprising an auxiliary latch released by said automatic tripping means, lockout means including a member held under control of said latch in an inactive position and having biasing means for moving said member therefrom upon release of said latch to a lockout position for holding said mechanism to prevent reclosure of the circuit breaker, alarm switching means operated by said member in said lockout position, and manual reset means for returning said member to said inactive position.

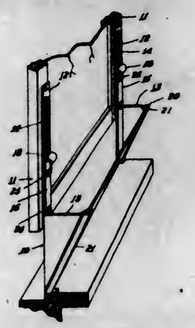
2,460,759
ELECTRIC RESISTANCE WELDER
George B. Martin, Detroit, Mich, and Barron D. Berger, Warren, Ohio, assignors to The Federal Machine and Welder Company, Warren, Ohio, a corporation of Ohio
Application August 20, 1946, Serial No. 691,844
10 Claims. (Cl. 219—4)



1. An electrical resistance welder, comprising: electrode carrying means, movable toward or away from a work surface; means for urging said electrode carrying means toward said work surface; leaf spring means, connected to said urging means, for receiving thrust from said urging means, said leaf spring means being adapted to deflect an amount proportionate to the thrust applied; and means, actuated by deflection of said leaf spring means for controlling welding operation.

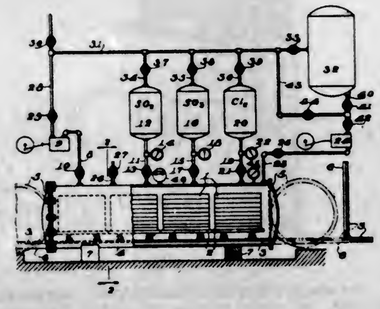
the refrigerant in the second compartment on

2,460,760
ADJUSTABLE VENTILATOR
Eric Massa, Bronx, N. Y.
Application March 20, 1945, Serial No. 583,726
4 Claims. (Cl. 98—99.2)



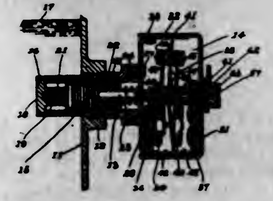
1. In a ventilator, a pair of channeled uprights fixed to a sash, a second pair of uprights formed to mate with and slidably attached to the first mentioned uprights, a pair of side enclosing members connected to the second mentioned pair of uprights and provided with aligned grooves to support a glass in said members, said glass supporting means having its aligned slots disposed at an angle to said first pair of uprights to retain said glass, and means to position said second mentioned uprights in a set relationship with first mentioned uprights.

2,460,761
UNFIRED BONDED CERAMIC ARTICLES AND METHOD OF PRODUCING SAME
John W. H. Miller, Bala-Cynwyd, Pa.
Application January 23, 1945, Serial No. 574,151
7 Claims. (Cl. 25—156)



1. The method of producing an unfired refractory article, which consists in preforming a body of granular refractory magnesia-containing material tempered with water, then subjecting said body to the chemically reactive effect of an extraneous gas selected from the group consisting of sulphur-dioxide, sulphur-trioxide and chlorine to bond the grains into a homogeneous mass.

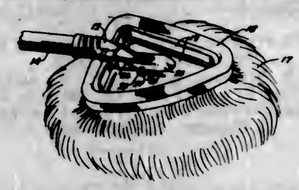
2,460,762
THERMOSTATIC SWITCH
Stehman S. Minnich, Cleveland, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1946, Serial No. 645,262
14 Claims. (Cl. 200—140)



1. A thermostatic electrical switch comprising in combination an open-ended well adapted to be exposed to the temperatures to which the switch is intended to be responsive, a sealed hollow expansible member secured within said well, containing a temperature-responsive expansible fluid and having a cup-shaped inwardly extending closure at the end of said member toward the open end of the well, a switch frame removably secured to the well at the open end thereof, said switch frame having spaced first and second plate members with openings coaxial with said well, the first of which is closer to the said well, a push rod having a head in the bottom of said closure cup and a threaded end extending through the opening in said first frame plate member, a compression spring surrounding said rod between said head and said first frame plate member, a stressed column leaf spring mounted in said frame transversely to said rod whereby it has position of rest bowed either toward or away from said expansible hollow member, movable switch-contact carrying blades secured to said leaf-spring on either side thereof, stationary contacts secured to said frame to cooperate with said switch blades for closing one or the other of said sets of contacts according to the position of the leaf-spring, said leaf-spring having a central opening, a connector rod having a narrow portion extending through said leaf-spring opening, and a larger portion forming a shoulder adapted to bear against the inner surface of said leaf-spring, said larger portion having a threaded bore adjustably secured upon the threaded end of said push rod, an adjustment stem secured to said connector rod coaxially therewith, extending through the opening in said second frame plate member and having a shoulder adapted to bear against the outer surface of the leaf-spring, a dial and a pointer, one of the latter two elements being secured to said adjustment stem, and the other of said latter two elements being secured to said second frame plate member whereby rotation of said adjustment stem varies the axial distance between said head and said shoulder to adjust the operating temperature of said switch.

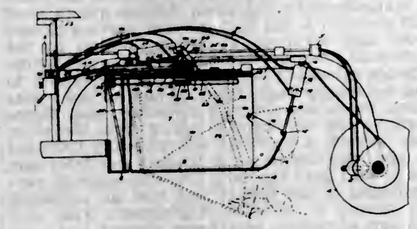
2,460,763
MOP STRUCTURE
Frederic E. Oakhill, Wilmette, Ill., assignor to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application December 6, 1946, Serial No. 714,547
2 Claims. (Cl. 306—19)

1. In a mop structure, a relatively rigid mop head having a central raised portion provided with a longitudinal slot, a handle socket having its forward end received within said socket and having a cam surface inclined downwardly towards said forward end, a pin pivotally connecting said socket within said slot, and a second pin extending through said slotted raised portion



forward of said first pin, and a U-shaped spring having central portion wrapped about said second mentioned pin and having a forwardly extending portion engaging said mop head and a rearwardly extending saddle portion resting upon the cam surface of said handle socket.

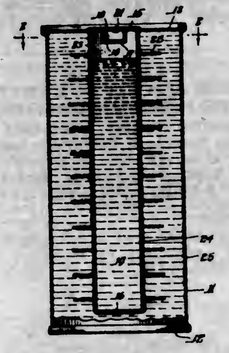
2,460,764
EARTH-MOVING MACHINE
Eli Oklejas, Monroe, Mich.
Application October 15, 1945, Serial No. 622,320
7 Claims. (Cl. 37—126)



1. In an earth moving machine, a movably supported chassis, a carrier suspended thereunder and fixed relative thereto, a scoop constituting a bottom section of the carrier and mounted for swinging movement relative thereto, said scoop being normally in closed position against the carrier, said carrier being open at one end, a door hingedly connected to the open end of the carrier and normally positioned under one end of the scoop to constitute a support for said end, and separate hydraulically operated means under the control of an operator for opening the door to release the scoop and for lowering the scoop.

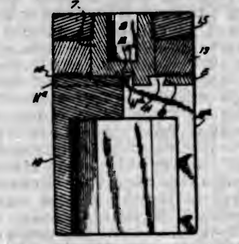
2,460,765
REFRIGERATING MEANS FOR CONTAINERS
Herbert E. Palaith, Evanston, Ill.
Application October 29, 1945, Serial No. 625,341
7 Claims. (Cl. 62—92)

1. A food or beverage container comprising means forming a compartment for the food or beverage, a cover for said compartment, and a second compartment united to the cover of the first compartment for receiving an expansible refrigerant adapted to absorb heat from the food or beverage in the first compartment on venting of the second compartment to atmosphere, and closure means for said second compartment and readily operable to open said second compartment to atmosphere to initiate the refrigerating action of said refrigerant and means in said second compartment providing an orifice of predetermined size to control the rate of expansion of the refrigerant in the second compartment on opening the said closure means to prevent quick



freezing of the food or beverage to the wall surface of the second compartment.

2,460,766
SPIRAL CAM ADJUSTABLE SOCKET WRENCH
Frank C. Peterson, Lecona, C. Z.
Application March 14, 1945, Serial No. 582,595
1 Claim. (Cl. 81—128)



An adjustable socket wrench for turning bolts and nuts, comprising a circular body having an integral depending sector-shaped socket section at one side, a pair of radially adjustable sector-shaped socket sections slidably connected to the bottom of the body and disposed at opposite sides of the integral socket section, said body having two sets of slots therethrough with three parallel slots in each set and being provided with an integral central upstanding cylindrical stud formed with a square handle-receiving socket, a set of three ribs on the top of each adjustable socket section slidably engaged in the slots of one set, the intermediate rib of each set being provided on its upper surface with spiral thread portions, the remaining ribs of each set and the slots engaged thereby being of dovetail form, an adjustable ring rotatable on said stud and provided in its under surface with a spiral thread groove receiving the thread portions of the intermediate ribs of the adjustable socket sections whereby rotation of said ring will effect adjustment of the adjustable socket sections toward or away from each other radially of the body, depending upon the direction of rotation of said ring, the body and the adjusting ring being of the same diameter as the combined socket sections when the adjustable socket sections are fully adjusted toward each other, and a collar secured on the upper end of said stud and rotat-

ably confining said ring against the body with

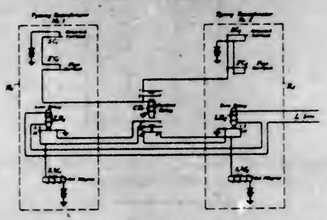
body, and a ball chain comprising a ball within

gizable elements selectively; and means remote

prising passing gaseous ammonia through liquid stock at a pressure of between 100 pounds per

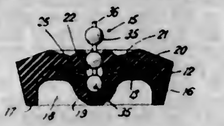
ably confining said ring against the body with the thread portions of said ribs engaged in the spiral groove of said ring, said collar being of the same diameter as the body and the adjusting ring.

2,460,767
CONTROL CIRCUIT FOR SWITCHING TELEGRAPH FACILITIES
George Ruement Pigman, Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 1, 1944, Serial No. 552,252
3 Claims. (Cl. 178—2)



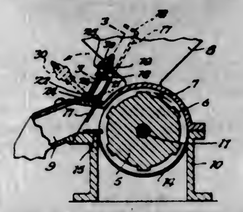
1. In a teletypewriter system, a pair of teletypewriter receivers at a station responsive to Baudot code signals transmitted from a distant station, a switching relay having contacts and normally conditioning one of said receivers for reception of Baudot code signals and disabling the second receiver, said receiver thus conditioned having a contact responsive to a case shift signal and another contact responsive to reception of a predetermined Baudot code signal other than a case shift signal, a circuit closed when both of said contacts are in actuated condition for actuating said switching relay, means controlled by said switching relay when actuated to lock up said switching relay, circuits in which contacts of said switching relay are interposed to disable said first receiver when said switching relay is actuated and at the same time to condition said second receiver to receive Baudot code signals, said second receiver having a contact responsive to a case shift signal and another contact responsive to reception of a predetermined Baudot code signal other than a case shift signal, and circuit means adapted to unlock said switching relay when said contacts of said second receiver are simultaneously actuated.

2,460,768
BASIN PLUG STOPPER OR THE LIKE
George A. Riley, Bridgeport, Conn., assignor to H. O. Canfield Co., Bridgeport, Conn., a corporation of Connecticut
Application October 17, 1946, Serial No. 703,725
6 Claims. (Cl. 4—295)



2. A stopper comprising a body of compressible material, said stopper being formed with a central opening extending down from the upper side but terminating short of the underside of the body, an insert within said stopper, said opening in the body extending below said insert, said insert being formed with a central opening and slots radiating from said opening, the opening in the insert registering with the opening in the body, and a ball chain comprising a ball within the bottom of said opening and contacting the underside of said insert, and a neck of the chain passing through the opening in the insert.

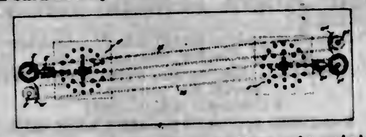
2,460,769
GATE POSITIONING MECHANISM FOR HULLING MACHINES
Eugene A. Schwarz, Snyder, N. Y., assignor to The Geo. L. Squier Mfg. Co., Buffalo, N. Y.
Application June 11, 1947, Serial No. 753,929
5 Claims. (Cl. 146—235)



3. In a hulling machine having a housing containing hulling instrumentalities and having a discharge spout for the hulling material, that improvement which includes a gate in the form of a substantially flat plate slidable crosswise of said spout in a slot in the upper portion of said spout and arranged at an inclination to the horizontal, the upper portion of said gate having a flange extending substantially perpendicular to and outwardly from that surface of said gate which faces laterally and upwardly, said flange having a slot extending inwardly from the outer edge thereof, a threaded bolt pivotally mounted on said machine to swing toward and from said slot in said gate about an axis substantially perpendicular to the axis of said bolt, an adjusting nut having a threaded engagement with said bolt and adjustable lengthwise thereof and having an annular groove formed therein substantially concentric with the axis of said bolt and formed to enter said slot when said bolt is swung about its axis, the portions of said nut forming the side walls of said groove engaging opposite faces of said flange adjacent to said slot, to transmit adjustment of said nut lengthwise of said bolt to said gate for adjusting the same relatively to said spout, a lock nut arranged on said bolt for cooperating with said adjusting nut, said gate and said bolt being arranged relatively to each other so that said bolt will be in an inclined position when said nut is in engagement with said slot in said gate flange to cause said bolt to be urged by gravity into a position to hold said nut in engagement with said flange.

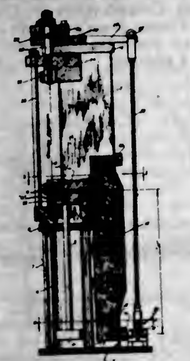
2,460,770
ARTILLERY WAR GAME
Charles Harold Shirey, Bridgeville, Pa.
Application April 7, 1948, Serial No. 19,603
7 Claims. (Cl. 272—101.2)

1. A game apparatus for use by a player and conjointly by an opposed player, said game apparatus comprising in combination, a target means including a grouped plurality of individually energizable elements; a rotary switch means operable by said player and comprising a rotatable switch arm and a rotatable contact plate carrying thereon a plurality of contact points at least as numerous as are said energizable elements; conductors adapted to establish circuits through a power source, said rotary switch means and said energizable elements selectively; and means remote from said rotary switch means and operable only



by an opposed player for rotating said rotatable contact plate to dispose the contact points carried thereon in new positions.

2,460,771
MATERIALS TESTING MACHINE
Alfred Sonntag, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application June 19, 1945, Serial No. 600,320
4 Claims. (Cl. 73—93)



1. A materials testing machine comprising, in combination, a pair of vertical channel iron frame members, cross connections at their upper and lower ends, a vertically extending hydraulic cylinder and piston disposed between said channels at their lower end toward the front side thereof, an upper specimen engaging member supported near the upper ends of said channels, a lower specimen platen connected to said piston at a point offset from the axis of a specimen to be tested whereby eccentric forces are induced in said platen during a tension test, a moment arm connected to said platen and lying in a plane which extends vertically between said channels and also extends downwardly behind said loading cylinder, guides secured to said platen slidably engaging the front sides of said channels, and guides secured to said moment arm at the lower portion thereof for engaging the rear side of said channels whereby said eccentric forces are resisted and converted into a true axial loading force for the specimen throughout full vertical movement of the piston.

2,460,772
PREPARATION OF OLEONITRILE
Lee A. Stegemeyer, Cincinnati, Ohio, assignor to Emery Industries, Inc., a corporation of Ohio
No Drawing. Application May 4, 1948, Serial No. 25,101
2 Claims. (Cl. 260—465.2)

1. A method for preparing oleonitrile from the reaction of oleic acid stock with ammonia comprising passing gaseous ammonia through liquid stock at a pressure of between 100 pounds per square inch and 150 pounds per square inch and a rate of flow of substantially two liters per kilogram of stock per minute for a period of between two and one-half and three and one-half hours, the stock being maintained at a temperature between 320° centigrade and 330° centigrade.

2,460,773
TEMPERATURE SENSITIVE VARIABLE INDUCTANCE
Allen G. Stimson, Lynnfield, Mass., assignor to General Electric Company, a corporation of New York
Application December 8, 1944, Serial No. 567,172
1 Claim. (Cl. 171—777)

A temperature sensitive variable inductance comprising a tubular member of magnetic material closed at one end by magnetic material and open at the opposite end, a central core member of magnetic material within the tubular member, a coil contained within the tubular member and surrounding the central core, said core being magnetically connected to the tubular member at one end of the coil and adjustable axially within the tubular member towards and away from the closed end thereof at the other end of the coil, said parts forming an adjustable air gap magnetic circuit for the flux of the coil, a substantial portion of the magnetic material of said circuit having an appreciable temperature coefficient of permeability, said core being accessible through the open end of the tubular member for adjustment of the air gap to vary the value of the inductance at a given temperature, and an externally threaded sleeve surrounding the open end portion of the tubular member whereby the same may be threaded through a wall.

2,460,774
VALVE
Walter C. Trautman, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 18, 1943, Serial No. 502,877
9 Claims. (Cl. 137—165)

9. Apparatus for proportioning the flow rates in a pair of branch ducts connected in parallel relation to each other and in series with a common duct containing means for circulating fluid in either direction therethrough, said apparatus comprising: first flow control means interconnecting said common duct with said branch ducts for dividing flow from the common duct into the branch ducts in predetermined ratio when the flow through said common duct is in one direction; second flow control means also interconnecting said common duct with said branch ducts for proportioning flows from the branch ducts

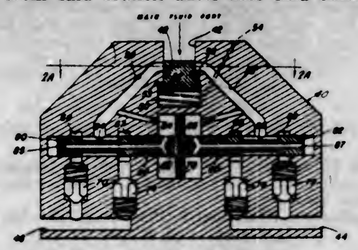
into the common duct in a predetermined ratio when the flow through said common duct is in

2,460,777
WATERPROOFING CELLULOSIC MATERIAL

80, at a temperature of 150–250° C. with a compound selected from the group consisting of ammonia and compounds capable of generating

quency of received signal frequency requisite to maintain a desired mean frequency of said intermediate frequency, a frequency controlling de-

into the common duct in a predetermined ratio when the flow through said common duct is in the opposite direction; and means for preventing flow from said branch ducts into said common



duct through said first flow control means and preventing flow from said common duct into said branch ducts through said second flow control means.

2,460,775

BUTTON CONSTRUCTION FOR GARMENTS AND THE LIKE

Robert E. Tuttle, Wilmington, Del.
Application November 2, 1946, Serial No. 707,496
2 Claims. (Cl. 2—96)

1. The combination in garment closures of an ornamental design on one closure border, said border having a plurality of buttonholes, a plurality of ornamental buttons of various designs on the other closure border, the ornamental designs of the buttons cooperating with the ornamental design on the border when the garment is buttoned.

2,460,776

BACTERIOSTATIC BASE FOR MEDICINAL, COSMETIC, AND TOILET PREPARATIONS

James G. Vincent, Rochester, N. Y., assignor to The Noned Corporation, a corporation of New York
No Drawing. Application November 19, 1945, Serial No. 629,721
17 Claims. (Cl. 167—58)

1. A fluid base composition containing in an aqueous medium an alcohol selected from the class which consists of ethyl alcohol and a mixture of ethyl and isopropyl alcohols, a glycerin compound selected from the class which consists of glycerin and a monoglyceride, a compound selected from the class which consists of urea and urethane, commercially pure bile salts and quince seed extract, said composition having bacteriostatic action in the presence of 10% blood serum, and being a valuable fluid base for use in the compounding of medicinal, cosmetic and toilet compositions.

2,460,777

WATERPROOFING CELLULOSIC MATERIAL WITH HIGHER ALIPHATIC ACYL PEROXIDES

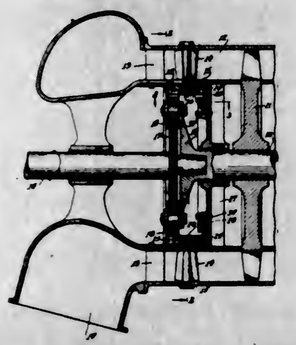
Warren B. Warden, Bradford, Pa., assignor to Peter J. Gayler, Newark, N. J.
No Drawing. Application February 18, 1946, Serial No. 648,573
6 Claims. (Cl. 8—120)

1. A method for waterproofing solid cellulosic materials, comprising treating said materials with an organic peroxide having an aliphatic acyl group containing 10 to 20 carbon atoms dissolved in an inert solvent, substantially removing the solvent, and heating the thus treated material at least to the decomposition temperature of the peroxide.

2,460,778

TORQUE REGULATING DEVICE FOR COMPRESSORS

Andrew V. D. Willgoos, West Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application April 12, 1946, Serial No. 661,815
4 Claims. (Cl. 230—114)



1. A compressor for internal combustion engines comprising a fluid passage, a plurality of movable shutters controlling the passage of fluid therein, a driving shaft, an impeller driven by said shaft for pumping fluid through said passage, a gear train connecting said driving shaft to said impeller including a reaction gear movable to a predetermined limited extent only, means responsive to the movement of said reaction gear for controlling the adjustment of said shutters, and means mechanically responsive to variations in the compressor input torque for automatically controlling the position and movement of said reaction gear.

2,460,779

SYNTHESIS OF PHTHALOCYANINES FROM ω-CHLORINE OR ω-BROMINE SUBSTITUTED o-TOLUNITRILES

Robert E. Brouillard, Bound Brook, N. J., and Erwin Baumgarten, Westerleigh, Staten Island, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1947, Serial No. 751,989
10 Claims. (Cl. 260—314.5)

1. A process for preparing phthalocyanine pigments which comprises reacting an omega halogeno o-tolunitrile, the halogen having an atomic weight of at least 35 and not more than

80, at a temperature of 150–250° C. with a compound selected from the group consisting of ammonia and compounds capable of generating ammonia at the reaction temperature and mixtures thereof, and a metalliferous reagent, the metal of which has an atomic number of 27 to 29.

2,460,780

RAILWAY BRAKE BEAM MOUNTING

Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Original application February 3, 1943, Serial No. 474,527. Divided and this application September 28, 1945, Serial No. 619,089
10 Claims. (Cl. 188—212)

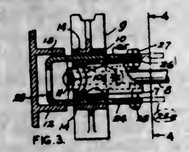


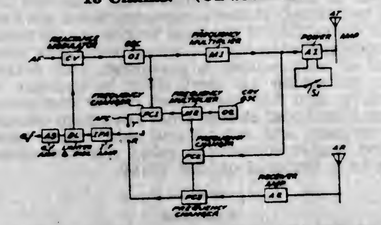
FIG. 3.

1. In a railway vehicle brake beam, elongated structure, a brake head having a pocket receiving the end of the structure and seating the same, means affixing the head to the structure, there being passageways extending laterally through the head and spaced apart above and below said structure, and a U-shaped bracket with its legs spaced apart vertically and slidably received in said passageways and movable therein to a projected position, in which the bracket may oppose a truck part to support the beam, and into a retracted position, in which the bracket clears the truck part.

2,460,781

CIRCUIT FOR STABILIZING FREQUENCIES OF TRANSMITTER-RECEIVER SYSTEMS

Herbert Reginald Cantelo, Writtle, England, assignor to Radio Corporation of America, a corporation of Delaware
Application February 27, 1945, Serial No. 579,994
In Great Britain October 7, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires October 7, 1963
18 Claims. (Cl. 250—13)

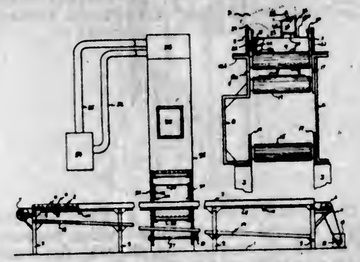


1. A radio or like apparatus adapted for use alternatively as a transmitter or as a receiver, including an oscillation generator for producing oscillations for modulation and ultimate transmission, a frequency changer for producing an intermediate frequency from received signal frequency and oscillations derived from said oscillation generator, means for producing a first frequency controlling potential variable in sign and magnitude in accordance with departures from a desired frequency of the output from said generator, means for producing a second frequency controlling potential variable in sign and magnitude in accordance with departures from the frequency of received signal frequency requisite to maintain a desired mean frequency of said intermediate frequency, a frequency controlling device for said oscillation generator operable under control of said first frequency controlling potential to stabilize the frequency of said generator or under control of said second frequency controlling potential to vary the frequency of said generator, thereby to stabilize said intermediate frequency.

2,460,782

CONVEYING MEANS FOR SHOE MANUFACTURE

Bruno T. Gialdini, Larchmont, N. Y.
Application September 28, 1944, Serial No. 556,188
12 Claims. (Cl. 12—1)



12. In a conveyor structure spaced rails mounted upon supports, a plurality of rollers journaled between said rails in a horizontal series so that the rails extend above the upper surfaces of said rollers to form guides, an endless belt passing beneath said rollers and contacting them in its upper flight, roller means for keeping said belt in contact with said first mentioned rollers, roller means for supporting the lower flight of said belt, another pair of rails located on said supports beneath said first mentioned rails, and a series of rollers mounted between said last mentioned rails, said last mentioned rails disposed aslant to the horizontal between said supports so as to constitute said last mentioned series of rolls a gravity conveyor, in combination with a series of elongated metal pans dimensioned widthwise to lie between said rails on said first and last mentioned rollers, said pans having medial upraised portions bearing pins for the acceptance of shoe lasts, said pans being movable in one direction by said first mentioned rolls when driven by said belt and returnable in the other direction by said gravity conveyor, said first mentioned rolls serving to support said pans to permit work to be done in shoe elements supported by said lasts.

2,460,783

PREPARATION OF PHTHALOCYANINE PIGMENTS FROM ω-CHLORINE OR ω-BROMINE SUBSTITUTED o-XYLENES

Hans Z. Lecher, Plainfield, and Robert E. Brouillard, Bound Brook, N. J., and Erwin Baumgarten, Staten Island, N. Y., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1947, Serial No. 751,990
19 Claims. (Cl. 260—314.5)

1. A process for preparing phthalocyanine pigments which comprises reacting an omega halogeno o-xylene having at least one halogen atom in each methyl group the halogen having an atomic weight of at least 35 and not more than 80, at a temperature from 150–250° C., with a compound selected from the group consisting of

ammonia and compounds capable of generating ammonia at the reaction temperature and mix-

may be used, a rectifier excited by said signals, said rectifier having an output impedor wherein

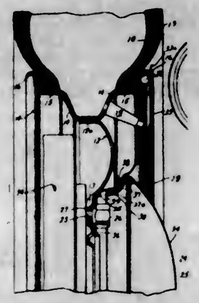
2,460,789

FAULT INDICATOR FOR RADIO RELAYING SYSTEMS

with the grid of the succeeding tube, thus forming a closed loop of the tubes, other means each including a resistor and a capacitor connected in

ammonia and compounds capable of generating ammonia at the reaction temperature and mixtures thereof and a metalliferous reagent, the metal of which has an atomic number of 27 to 29.

2,460,784
WHEEL COVER
George Albert Lyon, Allenhurst, N. J.
Application April 10, 1944, Serial No. 530,855
12 Claims. (Cl. 301—37)



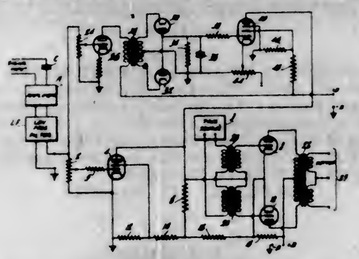
1. The combination with a wheel structure having a central load bearing portion constructed at a radially inner part thereof for attachment to a vehicle and having attachment means for securing the wheel to a vehicle, and a circular cover member formed from resiliently flexible, yet form sustaining material, whereby the outer edge thereof may be temporarily flexed to render the rear side thereof accessible, and a retaining member of relatively rigid material interconnected with the inner margin of said cover member and including at the radially inner part thereof, a portion formed to nest in the attachment part of the central load bearing portion and constructed to be attached thereto by said attachment means as said means secures the wheel to the vehicle.

2,460,785
PROCESSES FOR PREPARING SUBSTITUTED PROPANOIC ACID
Earl Pierson, Harrisonburg, Va., and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application March 14, 1946, Serial No. 654,503
3 Claims. (Cl. 260—534)

1. The process of preparing 2-amino-3-carboxymethylmercapto-propanoic acid which comprises reacting together cystine, chloracetic acid and zinc, said reaction being carried out by bringing together zinc and a solution of cystine and chloracetic acid in an aqueous alkali metal hydroxide.

2,460,786
SQUELCH CIRCUIT FOR SUPPRESSING NOISE COMPONENTS
Robert E. Schock, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 4, 1946, Serial No. 674,181
3 Claims. (Cl. 178—70)

1. In a system for relaying telegraphy signals and for preventing relaying of noise components in the absence of signals, a first control tube having input electrodes excited by said signals and noise and having output electrodes in circuit with an impedor wherein a potential is developed which may be used, a rectifier excited by said signals, said rectifier having an output impedor wherein a potential is developed which is negative in the presence of signals, a second tube having a control grid coupled to said rectifier and excited by



said last named potential and having an anode circuit including the impedor in the output circuit of said first tube, and means for biasing said second tube by a potential such that the same is cut off in the presence of signals at the input of said rectifier.

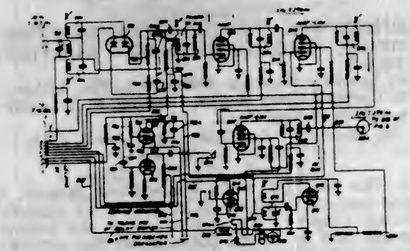
2,460,787
FELT BASE MATERIAL FOR ADHESIVE ATTACHMENT TO SURFACES AND COATING COMPOSITION FOR SAME
Ralph F. Seedorf, Cincinnati, Ohio, assignor to Carthage Mills, Inc., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application April 30, 1945, Serial No. 591,218
9 Claims. (Cl. 117—99)

1. A felt base material prepared for adhesive union with a support and comprising a fibrous sheet saturated with bitumen and bearing upon one surface a coating comprising binder components one of which is water insoluble, miscible with said bitumen and firmly bonded to the bitumen saturant in said base, and the other of which is water soluble, the total weight of said binder components being substantially between one-sixth and one-eighth of the dry weight of said coating, the first mentioned binder component being substantially one-fifth of the total weight of said binder components and said second mentioned binder component being substantially four-fifths of the total weight of said binder components whereby the water permeable character of said coating is preserved, said coating also containing an inert filler to increase its porosity, said first mentioned binder component being a material chosen from the group consisting of rosin and tall oil and said second mentioned binder component being a water soluble soap of a material of said group.

2,460,788
PRODUCTION OF METHACRYLONITRILE AND ALPHA-CHLORO ISOBUTYRONITRILE
Le Roy U. Spence, Elkins Park, Pa., and Emile H. Sakal, Brooklyn, N. Y., assignors to Röhm & Haas Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application September 3, 1947, Serial No. 772,612
3 Claims. (Cl. 260—465.7)

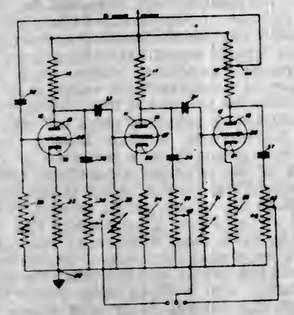
1. The process of preparing methacrylonitrile and α-chloroisobutyronitrile which comprises reacting tri-α-cyanoisopropyl phosphite with chlorine and pyrolyzing the resulting product to form nitriles.

2,460,789
FAULT INDICATOR FOR RADIO RELAYING SYSTEMS
Leland E. Thompson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application February 6, 1945, Serial No. 576,453. Divided and this application March 15, 1946, Serial No. 654,554
11 Claims. (Cl. 177—311)



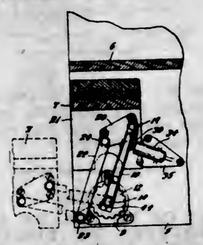
1. In combination, a high frequency amplifier comprising a tube having anode, cathode and grid electrodes, a source of waves to be amplified connected to said grid and cathode, a resistor connected between a pair of said electrodes for developing a direct current control potential in the presence of signal waves to be amplified, a high frequency oscillator, circuits utilizing said direct current potential to prevent said oscillator from oscillating and for permitting said oscillator to oscillate in the absence of said control potential, and a circuit for feeding a potential from said oscillator to the input of said amplifier when said control potential fails.

2,460,790
GENERATOR
Charles W. Jarvis, Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy
Application March 11, 1946, Serial No. 653,491
4 Claims. (Cl. 175—363)



1. A generator, energizable by direct current, for providing polyphase alternating current, said generator comprising a plurality of electron discharge tubes each including an anode, a cathode and a grid, resistors, one for each tube, and each connected, at one end, to the positive direct current terminal, and at its other end to the anode of a corresponding tube, cathode resistors connecting the cathodes of said tubes to the negative direct current terminal, means, each including a capacitor, connecting the anode of each tube with the grid of the succeeding tube, thus forming a closed loop of the tubes, other means each including a resistor and a capacitor connected in series and each connected at one end to the anode of a corresponding tube and at its other end to the cathode thereof through a corresponding one of the cathode resistors, and terminals connected to said last-named means serving as the polyphase output.

2,460,791
RETRACTING DEVICE FOR KNEELING BENCHES
Benjamin S. Bernhard, New Britain, Conn., assignor, by mesne assignments, to Automatic Kneeler Corporation, Hartford, Conn.
Application January 16, 1946, Serial No. 641,490
9 Claims. (Cl. 155—166)



9. A device of the character described for lifting a kneeling bench from a lower position to a retracted position underneath the seat, the said device comprising a casing mounted at one end of said seat, a shaft rotatable in said casing, a first lever rotatable with said shaft, a second lever pivotally mounted at a point spaced from said shaft, a pair of levers pivotally mounted at the opposite side of said seat, a kneeling bench pivotally supported upon the outer ends of said levers for movement thereof in a vertical position from a lowered to a retracted position, a spring urging said shaft for operating the first pair of levers to raise said bench, a connecting bar rotatable with said shaft and connecting therewith the opposite lever corresponding to said first lever for combining the operation of said pairs of levers to carry said kneeling bench and prevent twisting thereof, and air pressure controlled means for yieldingly resisting the movement of the bench towards its retracted position.

2,460,792
ORGANIC MEDIUM FOR THE PRODUCTION OF AEROSOLS
Arthur C. Pabst, Douglaston, Albert E. Griffiths, Port Washington, and Robert B. Killingsworth, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application October 3, 1946, Serial No. 700,858
3 Claims. (Cl. 196—149)

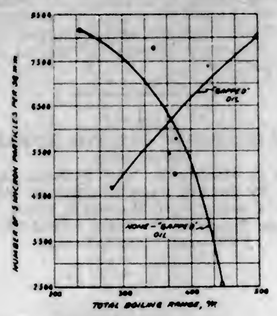
1. An organic medium for the production of thermal aerosols having a boiling range of about 242° to about 742° F., said medium consisting of about 25 per cent to about 65 per cent of a more volatile hydrocarbon fraction and the balance a less volatile hydrocarbon fraction; said more volatile fraction having an initial boiling point of about 240° to about 370° F., a final boiling point of about 320° to about 530° F., a 50 per cent point of about 275° to about 440° F., and a 90 per cent point of about 295° to about

500° F.; said less volatile fraction having an initial boiling point of about 505° to about 570°

envelope, a longitudinally extending filament in spaced relation to the said anode, and a control

DESIGNS

500° F.; said less volatile fraction having an initial boiling point of about 505° to about 570° F., a 10 per cent point of about 546° to about 621° F., and a final boiling point of about 630°



to about 740° F.; and the 90 per cent point of the more volatile fraction being separated from the 10 per cent point of the less volatile fraction by about 111° to about 325° F.

2,460,793

ALKYLATION OF PHENOL BY ALKYL HALIDES CATALYZED BY FINELY DIVIDED GELS OF CERTAIN DRYING OILS

Charles J. Plank and John F. Socolofsky, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

No Drawing. Application November 18, 1944, Serial No. 564,175

5 Claims. (Cl. 260—624)

1. A process for alkylating phenol, which comprises refluxing equimolar portions of phenol and a tertiary alkyl halide, in the presence of a drying oil gel selected from the group consisting of boron trifluoride-bodied China-wood oil gel, boron trifluoride-bodied oiticica oil gel, and heat-bodied China-wood oil gel.

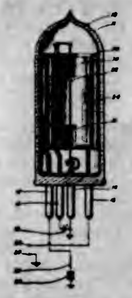
2,460,794

VACUUM TUBE GRID CONSTRUCTION

Harner Selvidge, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy

Application January 15, 1945, Serial No. 572,940

2 Claims. (Cl. 250—27.5)



1. An electronic tube comprising an envelope, an anode disposed longitudinally within the said envelope, a longitudinally extending filament in spaced relation to the said anode, and a control electrode between the said anode and the said filament and substantially coextensive with the said filament, the said control electrode having at least one slot at each end thereof defining restricted paths of anode current between the said filament and the said anode.

2,460,795

METHOD FOR MAKING RUBBERY POLYMERIC ORGANO-SILOXANE COMPOSITIONS

Earl Leathen Warrick, Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application October 3, 1944, Serial No. 557,956

2 Claims. (Cl. 260—37)

1. The method which comprises mixing a liquid polymeric siloxane in which all organic radicals linked to the silicon atoms are methyl radicals and in which there is on the average between 1.75 and 2.25 methyl radicals per silicon atom and at least 40 mol per cent of the polymer units are dimethyl siloxane units with at least 1 per cent by weight of benzoyl peroxide, heating the mixture above 100° C. until it becomes a gel, milling said gel with a heat resistant filler and at least 2 per cent by weight of benzoyl peroxide based on the weight of the gel, and then heating the resulting composition above 100° C. in the substantial absence of oxygen until a coherent non-tacky rubbery product is obtained, the benzoyl peroxide employed in the process being up to a total of 8 per cent.

2,460,796

PROCESS FOR PREPARING CAROTENOID CONCENTRATES FROM PALM OIL

Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter and Gamble Company, Cincinnati, Ohio, a corporation of Ohio

No Drawing. Application May 4, 1942, Serial No. 441,714

5 Claims. (Cl. 260—410.9)

1. A process of recovering from palm oil unsaponifiable carotenoid pigment concentrate substantially free of saponifiable fatty esters, and of simultaneously producing fatty esters substantially free of unsaponifiable carotenoid pigment and suitable for use in the manufacture of white soap, comprising reacting palm oil with an aliphatic monohydric alcohol having less than five carbon atoms in the presence of catalytic amounts of an alkaline alcoholysis catalyst to form monohydric alcohol esters of the fatty acids of the palm oil, which esters contain carotenoid pigment in solution, inactivating the catalyst, boiling the fatty ester solution of the carotenoid pigment, separating entrained carotenoid pigment from the vapors and refluxing the separated entrainment, and substantially completely distilling off the volatile fatty acid esters thereby separating the product subjected to distillation into a substantially carotenoid-pigment-free fatty acid ester distillate suitable for use in the production of white soap and a substantially fatty-ester-free residue of concentrated carotenoid pigment, the total time of treatment during boiling varying inversely with the temperature substantially in accordance with the schedule at temperatures below 130° C., not longer than 15 to 20 hours, at 140° C., not longer than ten hours, at 150° C., not longer than two hours.

DESIGNS

FEBRUARY 1, 1949

152,513

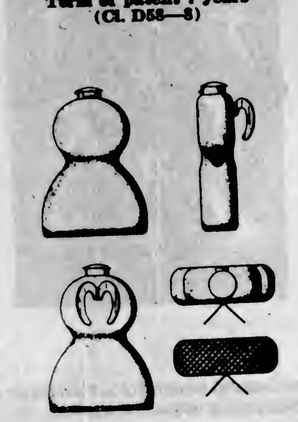
DESIGN FOR A CONTAINER FOR POWDERED SOAP OR SIMILAR ARTICLE

Frieda Barnes, Cleveland, Ohio

Application September 15, 1947, Serial No. 141,403

Term of patent 7 years

(Cl. D58—8)



The ornamental design for a container for powdered soap or similar article, substantially as shown.

152,514

DESIGN FOR A BOTTLE

Julius Braun, Chicago, Ill.

Application July 19, 1947, Serial No. 140,394

Term of patent 3½ years

(Cl. D58—8)

The ornamental design for a bottle, substantially as shown.

152,515

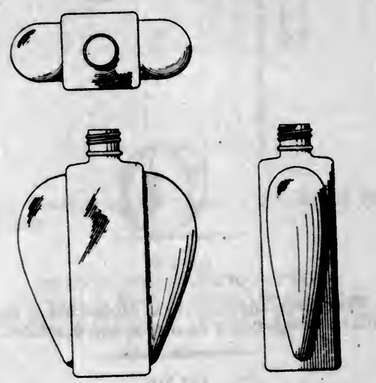
DESIGN FOR A BOTTLE

Julius Braun, Chicago, Ill.

Application July 19, 1947, Serial No. 140,396

Term of patent 3½ years

(Cl. D58—6)



The ornamental design for a bottle, substantially as shown.

152,516

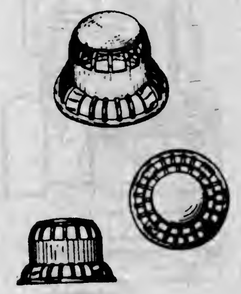
DESIGN FOR A FAN HOUSING

Ted C. Brown, Rising Sun, Ind., assignor to Brown Sales & Engineering, Inc., Rising Sun, Ind., a corporation of Indiana

Application June 3, 1947, Serial No. 139,435

Term of patent 7 years

(Cl. D26—7)



The ornamental design for a fan housing, as shown.

152,517

DESIGN FOR AN EARRING OR SIMILAR

152,519

DESIGN FOR A BLANKET OR SIMILAR

152,521

DESIGN FOR A TRAY

152,522

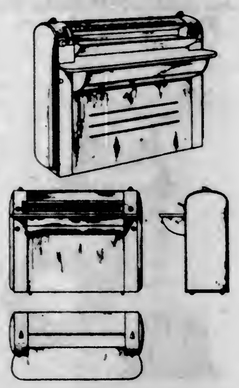
DESIGN FOR A BOX OR THE LIKE

John L. Duncan and Bryce Martin, Chicago, Ill.

152,517
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application March 25, 1947, Serial No. 137,871
Term of patent 3½ years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown and described.

152,518
DESIGN FOR A COMBINED PRINTING AND DEVELOPING MACHINE
Joe W. Coffman and Frederick O. Trump, Binghamton, N. Y., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application November 6, 1947, Serial No. 142,360
Term of patent 14 years
(Cl. D64—11)

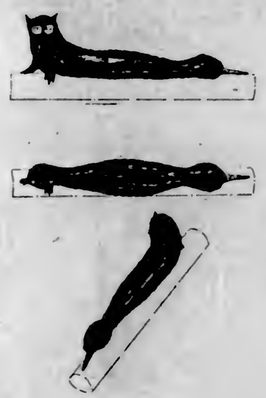


The ornamental design for a combined printing and developing machine, substantially as shown.

152,519
DESIGN FOR A BLANKET OR SIMILAR FABRIC ARTICLE
Maurice D. Cramer, Chicago, Ill.
Application January 24, 1948, Serial No. 144,049
Term of patent 7 years
(Cl. D92—2)

The ornamental design for a blanket or similar fabric article, substantially as shown.

152,520
DESIGN FOR A STATUETTE
James A. D'Arcy, Harrison, Mich.
Application November 3, 1947, Serial No. 142,272
Term of patent 14 years
(Cl. D29—23)



The ornamental design for a statuette, as shown.

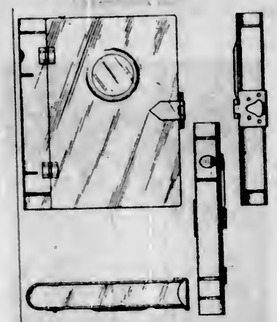
152,521
DESIGN FOR A TRAY
Naomi Mae Dean, Anwvasse, Mo.
Application May 28, 1947, Serial No. 139,231
Term of patent 14 years
(Cl. D44—10)

The ornamental design for a tray, as shown.

152,522
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Elsa Deutsch, Bat Cave, N. C.
Application September 19, 1947, Serial No. 141,490
Term of patent 3½ years
(Cl. D45—19)

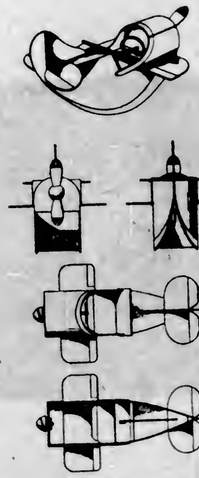
The ornamental design for a brooch or similar article, as shown.

152,523
DESIGN FOR A BOX OR THE LIKE
John L. Duncan and Bryce Martin, Chicago, Ill.
Application December 26, 1946, Serial No. 135,762
Term of patent 14 years
(Cl. D58—11)



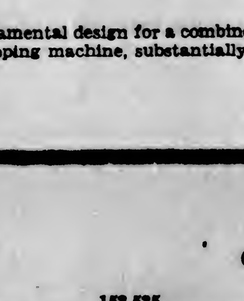
The ornamental design for a box or the like, as shown.

152,524
DESIGN FOR A ROCKING TOY
Clarence C. Flatt, Rehoboth Beach, Del.
Application February 24, 1948, Serial No. 144,709
Term of patent 3½ years
(Cl. D34—15)



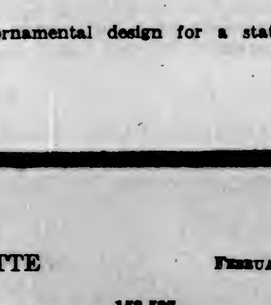
The ornamental design for a rocking toy, as shown.

152,525
DESIGN FOR A KNIFE OR SIMILAR ARTICLE
Ernest Hjorth, Jr., Cleveland, Ohio
Application November 26, 1947, Serial No. 142,966
Term of patent 14 years
(Cl. D8—2)



The ornamental design for a knife or similar article, substantially as shown.

152,527
DESIGN FOR A PERFUME BOTTLE
Jacques Kerylos, New York, N. Y., assignor to Parfums Corday, Inc., New York, N. Y., a corporation of New York
Application November 26, 1947, Serial No. 142,965
Term of patent 14 years
(Cl. D9—1)



The ornamental design for a perfume bottle, as shown.

152,529
DESIGN FOR A HOSIERY DISPLAY DEVICE
Milton M. Halpern, New York, N. Y.
Application July 11, 1947, Serial No. 140,221
Term of patent 14 years
(Cl. D6—1)

The ornamental design for a hosiery display device, substantially as shown.

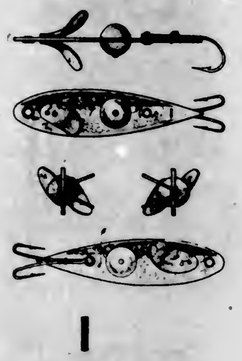
152,531
DESIGN FOR A FABRIC
Marion R. Hamre, Oceanside, N. Y.
Application July 11, 1947, Serial No. 140,221
Term of patent 14 years
(Cl. D5—1)

The ornamental design for a fabric, substantially as shown.

152,525
DESIGN FOR A KNIFE OR SIMILAR ARTICLE OF FLATWARE
Harry K. Friedman, New York, N. Y.
Application August 13, 1947, Serial No. 140,243
Term of patent 3½ years
(Cl. D54—12)

The ornamental design for a knife or similar article of flatware, substantially as shown and described.

152,526
DESIGN FOR A FISH LURE
Theodore F. Geiser, Roselle, N. J.
Application March 24, 1948, Serial No. 145,329
Term of patent 14 years
(Cl. D31—4)

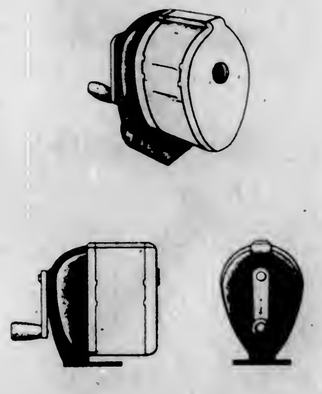


The ornamental design for a fish lure, as shown.

152,527
DESIGN FOR A PERFUME BOTTLE
Dorothy Gibson, New York, N. Y., assignor to Dorothy Gibson Perfumes Corp., New York, N. Y., a corporation of New York
Application September 3, 1947, Serial No. 141,179
Term of patent 3½ years
(Cl. D58—9)

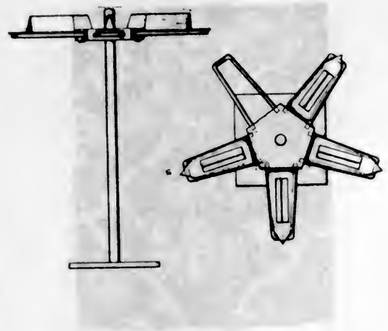
The ornamental design for a perfume bottle, as shown.

152,528
DESIGN FOR A PENCIL SHARPENER
Charles Godfrey, Philadelphia, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J., a corporation of New Jersey
Application July 29, 1947, Serial No. 140,580
Term of patent 14 years
(Cl. D74—1)



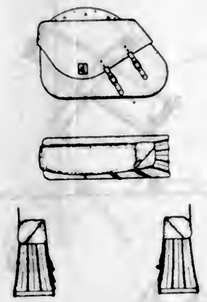
The ornamental design for a pencil sharpener, as shown.

152,529
DESIGN FOR A HOSIERY DISPLAY DEVICE
Milton M. Halpern, New York, N. Y.
Application October 21, 1947, Serial No. 142,054
Term of patent 3½ years
(Cl. D80—9)



The ornamental design for a hosiery display device, substantially as shown.

152,530
DESIGN FOR A MOTORCYCLE SADDLE BAG
John R. Hampel, Pewaukee, Wis., assignor to Milwaukee Saddlery Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 25, 1947, Serial No. 139,909
Term of patent 3½ years
(Cl. D90—3)



The ornamental design for a motorcycle saddle bag, as shown.

152,531
DESIGN FOR A FABRIC
Marion R. Hamre, Oceanside, N. Y.
Application July 11, 1947, Serial No. 140,221
Term of patent 7 years
(Cl. D92—1)

The ornamental design for a fabric, as shown and described.

152,532
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to Charles Bloom Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 145,311
Term of patent 7 years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

152,533
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to

152,535
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to

152,537
DESIGN FOR A PORTABLE PICTURE SCREEN
John T. Heck, Elmhurst, and Leo J. Du Mais and Curtis O. Talbot, Chicago, Ill., assignors to Da-

152,538
DESIGN FOR A COMBINED CAP AND LATCH FOR SCREEN HOLDER
John T. Heck, Elmhurst, and Leo J. Du Mais and Curtis O. Talbot, Chicago, Ill., assignors to Da-

152,533
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to Charles Bloom Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 145,312
Term of patent 7 years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

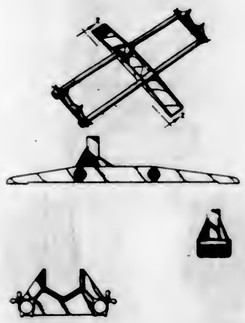
152,534
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to Charles Bloom Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 145,313
Term of patent 7 years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

152,535
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Marion R. Hamre, Oceanside, N. Y., assignor to Charles Bloom Inc., New York, N. Y., a corporation of New York
Application March 24, 1948, Serial No. 145,314
Term of patent 7 years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

152,536
DESIGN FOR A PORTABLE PICTURE SCREEN BASE
John T. Heck, Elmhurst, and Leo J. Du Mais and Curtis O. Talbot, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application July 3, 1947, Serial No. 140,092
Term of patent 14 years
(Cl. D61—1)

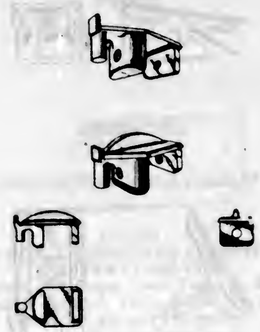


The ornamental design for a portable picture screen base, as shown.

152,537
DESIGN FOR A PORTABLE PICTURE SCREEN
John T. Heck, Elmhurst, and Leo J. Du Mais and Curtis O. Talbot, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application July 3, 1947, Serial No. 140,093
Term of patent 14 years
(Cl. D61—1)

The ornamental design for a portable picture screen, as shown.

152,538
DESIGN FOR A COMBINED CAP AND LATCH FOR SCREEN HOLDER
John T. Heck, Elmhurst, and Leo J. Du Mais and Curtis O. Talbot, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois
Application July 3, 1947, Serial No. 140,094
Term of patent 14 years
(Cl. D61—1)



The ornamental design for a combined cap and latch for screen holder, as shown.

152,539
DESIGN FOR A POT AND PAN HANDLE
Andrew L. Henkel, Chicago, Ill.
Application January 15, 1947, Serial No. 136,159
Term of patent 7 years
(Cl. D44—26)

The ornamental design for a pot and pan handle, substantially as shown.

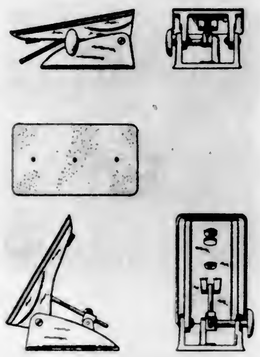
152,540
DESIGN FOR A TILTING SUPPORT FOR PHOTOGRAPHIC CAMERAS OR THE LIKE
Frederick E. Heward, Burlingame, Calif.

152,542
DESIGN FOR A FISHING LURE
Earl J. Howard, Duluth, Minn.
Application October 17, 1947, Serial No. 141,987

152,544
DESIGN FOR A TOY ANIMAL FIGURE
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation

152,546
DESIGN FOR A BADGE
Frank S. Land, Kansas City, Mo.
Application November 24, 1947, Serial No. 142,783

152,540
DESIGN FOR A TILTING SUPPORT FOR PHOTOGRAPHIC CAMERAS OR THE LIKE
Frederick R. Heward, Burlingame, Calif.
Application May 5, 1947, Serial No. 138,816
Term of patent 3½ years
(Cl. D61—1)

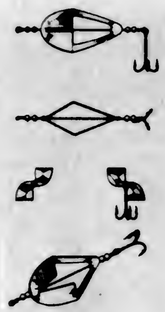


The ornamental design for a tilting support for photographic cameras or the like, as shown.

152,541
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application July 24, 1948, Serial No. 147,764
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,542
DESIGN FOR A FISHING LURE
Earl J. Howard, Duluth, Minn.
Application October 17, 1947, Serial No. 141,987
Term of patent 3½ years
(Cl. D31—4)

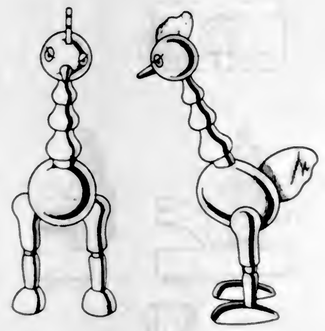


The ornamental design for a fishing lure, as shown.

152,543
DESIGN FOR A LIGHTING FIXTURE END PLATE
Joseph O. Howard, Chicago, Ill., assignor to L. J. Segil Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1947, Serial No. 139,733
Term of patent 14 years
(Cl. D48—23)

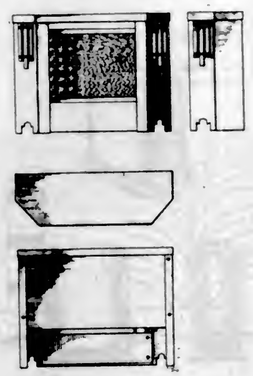
The ornamental design for a lighting fixture end plate, as shown.

152,544
DESIGN FOR A TOY ANIMAL FIGURE
James L. Hvale, Chicago, Ill., assignor to Ekco Products Company, Chicago, Ill., a corporation of Illinois
Application May 27, 1946, Serial No. 130,117
Term of patent 3½ years
(Cl. D34—2)



The ornamental design for a toy animal figure, as shown.

152,545
DESIGN FOR A RADIATOR CABINET OR THE LIKE
Joseph Israel, New York, N. Y.
Application November 20, 1946, Serial No. 134,943
Term of patent 3½ years
(Cl. D81—21)

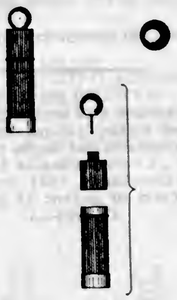


The ornamental design for a radiator cabinet or the like, as shown and described.

152,546
DESIGN FOR A BADGE
Frank S. Land, Kansas City, Mo.
Application November 24, 1947, Serial No. 142,783
Term of patent 14 years
(Cl. D29—11)

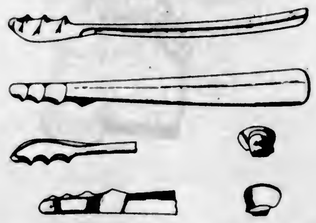
The ornamental design for a badge, as shown.

152,547
DESIGN FOR A COMBINED LIPSTICK CASE AND PERFUME VIAL
Irving M. Lang, New York, N. Y.
Application June 7, 1947, Serial No. 139,523
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a combined lipstick case and perfume vial, substantially as shown.

152,548
DESIGN FOR A SHOEHORN
Mark R. Lilly, Louisville, Ky.
Application May 28, 1947, Serial No. 139,328
Term of patent 3½ years
(Cl. D86—10)



The ornamental design for a shoe horn, as shown.

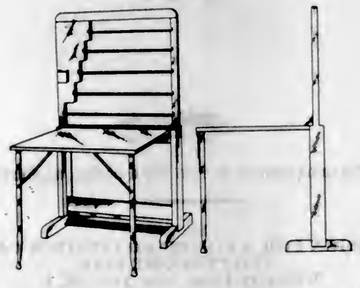
152,549

152,551

152,553
DESIGN FOR A BOTTLE OR SIMILAR

152,555
DESIGN FOR A DISPLAY CASE

152,549
DESIGN FOR A DISPLAY STAND
Charlotte McAleer Link, Philadelphia, Pa., assignor to E. J. McAleer and Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1947, Serial No. 142,180
Term of patent 7 years
(Cl. D80—9)

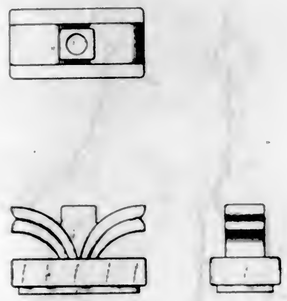


The ornamental design for a display stand, as shown.

152,550
DESIGN FOR A WASHING MACHINE
John McLeod Little, Toledo, Ohio, assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application October 28, 1947, Serial No. 142,165
Term of patent 14 years
(Cl. D49—1)

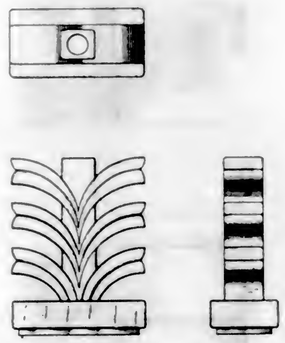
The ornamental design for a washing machine, substantially as shown and described.

152,551
DESIGN FOR A CANDLE HOLDER
William E. Mackelfresh, Jr., Chicago, Ill.
Application December 26, 1947, Serial No. 143,370
Term of patent 3½ years
(Cl. D48—2)



The ornamental design for a candle holder, as shown.

152,552
DESIGN FOR A CANDLE HOLDER
William E. Mackelfresh, Jr., Chicago, Ill.
Application December 26, 1947, Serial No. 143,371
Term of patent 3½ years
(Cl. D48—2)



The ornamental design for a candle holder, as shown.

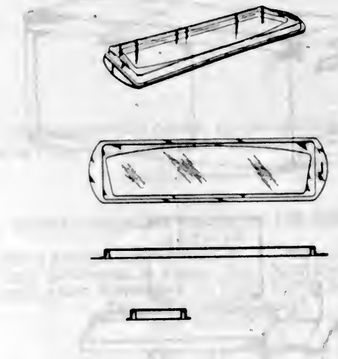
152,553
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
Malcolm A. MacLean, West Bridgewater, Mass., assignor to Albert H. Climo, North Abington, Mass.
Application November 26, 1947, Serial No. 142,808
Term of patent 14 years
(Cl. D58—6)

The ornamental design for a bottle or similar container, as shown.

152,554
DESIGN FOR A PENCIL SHARPENER
Robert A. May, Wynnewood, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J., a corporation of New Jersey
Application July 29, 1947, Serial No. 140,583
Term of patent 14 years
(Cl. D74—1)

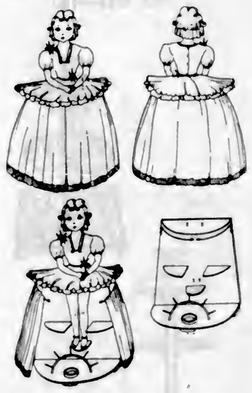
The ornamental design for a pencil sharpener, as shown.

152,555
DESIGN FOR A DISPLAY CASE
Glen E. Millard, St. Paul, Minn.
Application March 13, 1947, Serial No. 137,585
Term of patent 3½ years
(Cl. D86—5)



The ornamental design for a display case, as shown.

152,556
DESIGN FOR A SEWING ACCESSORY OR SIMILAR ARTICLE
Misao Muramatsu, Los Angeles, Calif.
Application September 12, 1947, Serial No. 141,336
Term of patent 3½ years
(Cl. D3—19)



The ornamental design for a sewing accessory or similar article, as shown.

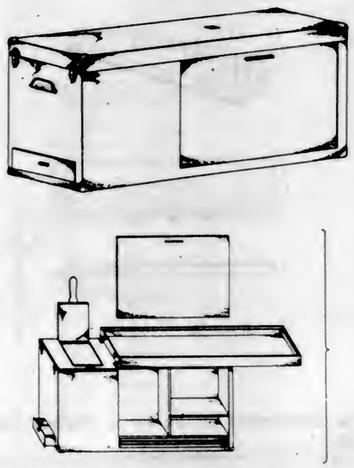
152,557
DESIGN FOR A PORTABLE PHOTOGRAPHIC LABORATORY

152,559
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

152,562
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

152,565
DESIGN FOR AN EARRING OR SIMILAR ARTICLE

152,557
DESIGN FOR A PORTABLE PHOTOGRAPHIC LABORATORY
Clayton M. Nielsen, Alhambra, Calif.
Application April 28, 1947, Serial No. 138,659
Term of patent 3½ years
(Cl. D61—1)



The ornamental design for a portable photographic laboratory, as shown.

152,558
DESIGN FOR A TIERED TRAY
Angelina M. Paolino, Los Angeles, Calif.
Application February 7, 1947, Serial No. 136,769
Term of patent 3½ years
(Cl. D44—10)

The ornamental design for a tiered tray, as shown.

152,559
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,624
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,560
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,625
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article substantially as shown.

152,561
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,626
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,562
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,627
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,563
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,628
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,564
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 18, 1948, Serial No. 149,691
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

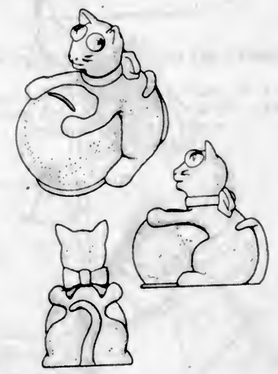
152,565
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 18, 1948, Serial No. 149,692
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,566
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 18, 1948, Serial No. 149,693
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,567
DESIGN FOR A TOY BANK
Donald D. Rupe, Des Moines, Iowa
Application November 19, 1947, Serial No. 142,621
Term of patent 3½ years
(Cl. D34—11)



The ornamental design for a toy bank, substantially as shown.

152,568
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.

152,570
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.

152,572
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.

152,574
DESIGN FOR A HOLDER FOR PAPER SUNDAE DISH
Lawrence M. Turner, North Abington, Mass.

152,568
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application October 29, 1948, Serial No. 149,364
Term of patent 7 years
(Cl. D7—7)

The ornamental design for a shoe, substantially as shown and described.

152,569
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application October 29, 1948, Serial No. 149,365
Term of patent 7 years
(Cl. D7—7)

The ornamental design for a shoe, substantially as shown.

152,570
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application October 29, 1948, Serial No. 149,366
Term of patent 7 years
(Cl. D7—7)

The ornamental design for a shoe, substantially as shown and described.

152,571
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application October 29, 1948, Serial No. 149,367
Term of patent 7 years
(Cl. D7—7)

The ornamental design for a shoe, substantially as shown.

152,576—Continued

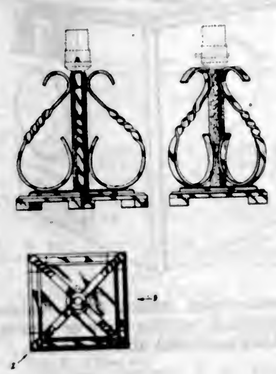
152,578
DESIGN FOR AN INTERCOMMUNICATING SYSTEM STATION UNIT
Martin Wagner, Berlin, Germany, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 29, 1948, Serial No. 149,370
Term of patent 7 years
(Cl. D21—1)

The ornamental design for a station unit for an intercommunicating system, as shown and described.

152,572
DESIGN FOR A SHOE
Jacob Sandler, New York, N. Y.
Application October 29, 1948, Serial No. 149,369
Term of patent 7 years
(Cl. D7—7)

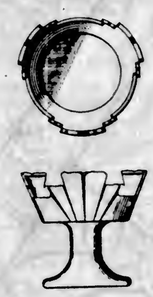
The ornamental design for a shoe, substantially as shown.

152,573
DESIGN FOR A LAMP STAND
Paul Schultz, Bally, Pa.
Application June 30, 1947, Serial No. 140,013
Term of patent 3½ years
(Cl. D48—20)



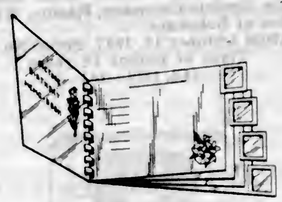
The ornamental design for a lamp stand, as shown and described.

152,574
DESIGN FOR A HOLDER FOR PAPER SUNDAE DISH
Lawrence M. Turner, North Abington, Mass.
Application October 30, 1946, Serial No. 134,385
Term of patent 14 years
(Cl. D44—15)



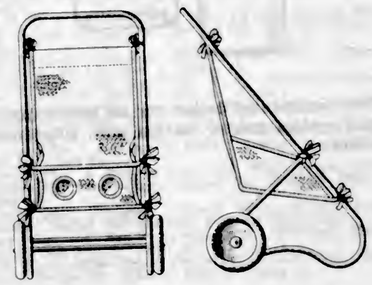
The ornamental design for a holder for paper sundae dish, substantially as shown.

152,575
DESIGN FOR A PICTURE BIRTHDAY MEMO BOOK
Annette T. Turpin, Los Angeles, Calif.
Application July 19, 1947, Serial No. 140,520
Term of patent 14 years
(Cl. D6—2)



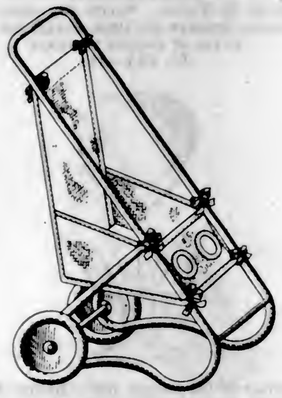
The ornamental design for a picture birthday memo book, as shown and described.

152,576
DESIGN FOR A STROLLER OR SIMILAR ARTICLE
Sadye Joy Wallace, New York, N. Y.
Application July 23, 1947, Serial No. 140,473
Term of patent 7 years
(Cl. D14—3)



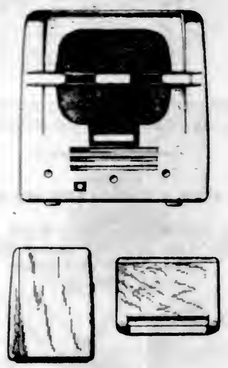
LIST OF TRADE-MARK APPLICANTS

152,576—Continued



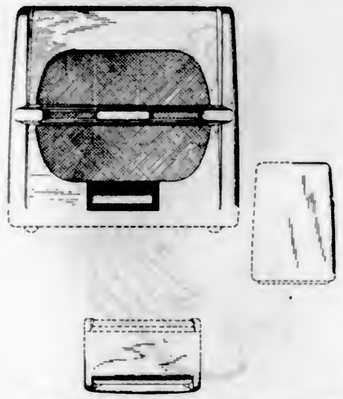
The ornamental design for a stroller or similar article, substantially as shown.

152,577
DESIGN FOR AN INTERCOMMUNICATING SYSTEM MASTER STATION UNIT
Martin Wasserman, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application October 18, 1947, Serial No. 141,992
Term of patent 14 years
(Cl. D26—14)



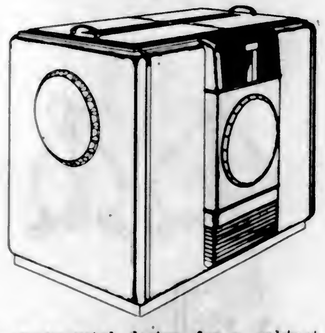
The ornamental design for an intercommunicating system master station unit, substantially as shown.

152,578
DESIGN FOR AN INTERCOMMUNICATING SYSTEM STATION UNIT
Martin Wasserman, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application October 18, 1947, Serial No. 141,993
Term of patent 14 years
(Cl. D26—14)



The ornamental design for an intercommunicating system station unit, substantially as shown and described.

152,579
DESIGN FOR A CABINET FOR A BOTTLED BEVERAGE COOLING UNIT OR SIMILAR ARTICLE
Arthur C. Wesche, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application September 24, 1947, Serial No. 141,558
Term of patent 14 years
(Cl. D67—4)



The ornamental design for a cabinet for a bottled beverage cooling unit or similar article, substantially as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aircraft & Diesel Equipment Corporation, Chicago, Ill. Diesel engine equipment. Serial No. 531,876, Feb. 1. Class 23.
Albany Billiard Ball Company, Albany, N. Y. Billiard balls. Serial No. 540,234, Feb. 1. Class 22.
Albany Billiard Ball Company, Albany, N. Y. Billiard balls. Serial No. 540,236, Feb. 1. Class 22.
Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Agricultural machines. Serial No. 534,717, Feb. 1. Class 23.
American Brake Shoe Company, New York, N. Y. Coated metal welding rods. Serial No. 533,255, Feb. 1. Class 14.
American Car and Foundry Company, New York, N. Y. Metal castings. Serial No. 555,646, Feb. 1. Class 14.
American Chemical Paint Company, Ambler, Pa. Chemical preparation. Serial No. 521,423, Feb. 1. Class 6.
American Chemical Paint Company, Ambler, Pa. Aluminum and aluminum alloys. Serial No. 542,901, Feb. 1. Class 14.
American Thread Company, The, New York, N. Y. Yarn. Serial No. 559,266, Feb. 1. Class 43.
Arbogast, Fred and Company, Inc., Akron, Ohio. Artificial bait. Serial No. 549,043-4, Feb. 1. Class 22.
Aristocrat Leather Products, Inc., New York, N. Y. Wallets, bill folds, pocketbooks and ladies' handbags. Serial No. 558,990, Feb. 1. Class 3.
Asbestos Manufacturing Company, Huntington, Ind. Asbestos brake lining and clutch facings. Serial No. 537,782, Feb. 1. Class 35.
Ayerst, McKenna & Harrison Limited, Rouses Point, N. Y. Tablets of testosterone. Serial No. 553,567, Feb. 1. Class 6.
Bancroft, Joseph, & Sons Co., Rockford, Wilmington, Del. Cotton and rayon fibres. Serial No. 529,347, Feb. 1. Class 1.
Banning Canning Co., Banning, Calif. Canned apricots, canned tomatoes and canned tomato puree. Serial No. 549,694, Feb. 1. Class 46.
Bendix Aviation Corporation, Detroit, Mich., and Teterboro, N. J. Thermal time delay tubes. Serial No. 539,258, Feb. 1. Class 21.
Bengué Inc., Union City, N. J. Medicinal preparation. Serial No. 547,888, Feb. 1. Class 6.
Bick, Harry S., & Son, New York, N. Y. Ladies' jewelry. Serial No. 551,759, Feb. 1. Class 28.
Bonne Bell, Inc., Lakewood, Ohio. Shampoo. Serial No. 540,026, Feb. 1. Class 6.
Boyle-Midway Inc., Jersey City, N. J. Plastic, self-hardening material. Serial No. 537,975, Feb. 1. Class 12.
Bray Chemical Co., Chicago, Ill., assignor to Mathieson Chemical Corporation, New York, N. Y. Caustic soda. Serial No. 553,669, Feb. 1. Class 6.
Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigarettes, smoking tobacco, chewing tobacco and snuff. Serial No. 550,482, Feb. 1. Class 17.
Burlington Mills Corporation, Greensboro, N. C. Piece goods. Serial No. 555,150, Feb. 1. Class 42.
Burlington Mills Corporation, Greensboro, N. C. Piece goods. Serial No. 555,153, Feb. 1. Class 42.
Bush, J. E.: *See*—
Tasco Corporation.
California Nursery Company, Niles, Calif. Fruit trees, rose plants and ornamental trees and plants. Serial No. 513,966, Feb. 1. Class 1.
Callbeck, Gordon, Denver, Colo. Fertilizers. Serial No. 551,852, Feb. 1. Class 10.
Calvital Company: *See*—
Dewerth, Virginia M.
Capitol Fabrics, Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 556,245, Feb. 1. Class 42.
Carwood Manufacturing Company, Winder, Ga. Men's and boys' overalls. Serial No. 500,858, Feb. 1. Class 39.
Case, W. A., & Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial No. 535,802, Feb. 1. Class 13.
Case, W. A., & Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial No. 535,808, Feb. 1.
Castle Purses, New York, N. Y. Women's purses. Serial No. 558,217, Feb. 1. Class 3.
Century Fabrics Company Inc., Chicago, Ill. Shredded foam rubber. Serial No. 541,260, Feb. 1. Class 1.
Chocolats De La Coupe D'Or, Maisen L. Velut Roard & Compagnie, Societe a Responsabilite Limitee, Paris, France. Candies, chocolate, ginger bread, etc. Serial No. 521,854, Feb. 1. Class 46.
Clover Tobacco Co., Inc., Irvington, N. Y. Little cigars. Serial No. 550,585, Feb. 1. Class 17.
Consolidated Royal Chemical Corporation, Chicago, Ill. Leg make-up. Serial No. 545,346, Feb. 1. Class 6.
Cortunon Co., Inc., New York, N. Y. Medicinal preparation. Serial No. 559,995, Feb. 1. Class 6.
Cory Corporation, Chicago, Ill. Coffee making apparatus. Serial No. 534,090, Feb. 1. Class 13.
Courtaulds, Limited, London, England. Staple fibre. Serial No. 541,648, Feb. 1. Class 1.
Covercraft Company: *See*—
Stringfellow, Carlton B.
Crompton & Knowles Loom Works, Worcester, Mass. Looms and parts thereof. Serial No. 528,432-3, Feb. 1. Class 23.
Cudahy Packing Company, The, Chicago, Ill. Heavy degreasing and bottle washing compound. Serial No. 558,362, Feb. 1. Class 4.
Dant & Russell, Inc., Portland, Oreg. Expanded perlite. Serial No. 539,669, Feb. 1. Class 10.
David, Louis S., Co., Inc., New York, N. Y. Ladies' handbags and purses. Serial No. 558,472, Feb. 1. Class 3.
Delisle, Harold L., Estate of, doing business as Engineering Manufacturing Company, assignor, by court order and mesne assignments, to Engineering Manufacturing Co., Sheboygan, Wis. Parallel rulers, straightedges, T-squares, etc. Serial No. 505,740, Feb. 1. Class 26.
Dewerth, Virginia M., doing business as Calvital Company, Mount Vernon, N. Y. Pharmaceutical preparation. Serial No. 549,425, Feb. 1. Class 6.
Dixie Shirt Company, Inc., Spartanburg, S. C. Outer shirts. Serial No. 525,798, Feb. 1. Class 39.
Dohrmann Hotel Supply Co., San Francisco, Calif. Silverplated flatware. Serial No. 542,015, Feb. 1. Class 26.
Douglas, Hunter, Corporation, assignor to Hunter Douglas Corporation, New York, N. Y. Metal stock in both coil and flat form. Serial No. 558,019, Feb. 1. Class 14.
Du-Bal Packing Company, Salinas, Calif. Fresh lettuce. Serial No. 523,651, Feb. 1. Class 46.
Dunham, C. A., Company, Chicago, Ill. Steam heating apparatus. Serial No. 528,264, Feb. 1. Class 34.
Durant, Albert A., Honolulu, Hawaii. Thermally insulated metal pipe. Serial No. 520,688, Feb. 1. Class 13.
Duro-Test Corporation, North Bergen, N. J. Fluorescent lamps. Serial No. 499,487, Feb. 1. Class 21.
Dussi-Wallace and Company, New York, N. Y. Plastic molding powders; liquid plastic compounds and doughs; sheets, rods, and tubes. Serial No. 540,799, Feb. 1. Class 1.
Eastern States Farmers' Exchange, West Springfield, Mass. Fertilizers. Serial No. 551,253, Feb. 1. Class 10.
Economics Laboratory, Inc., St. Paul, Minn. Water soluble glass or waterglass used as detergents. Serial No. 522,563, Feb. 1. Class 4.
Engineering Manufacturing Co., assignee: *See*—
Delisle, Harold L., Estate of.
Enzo Jel Company, Sheboygan, Wis. Powders for making soft drinks. Serial No. 548,247, Feb. 1. Class 45.
Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 548,810, Feb. 1. Class 22.
Federal Cartridge Corporation, Minneapolis, Minn. Cartridges and shotgun shells. Serial No. 554,221, Feb. 1. Class 9.
Felch-Anderson Co., Providence, R. I. Shoe buckles. Serial No. 551,786, Feb. 1. Class 28.
Fluor-Anm-Ine Co.: *See*—
Jordahl, Mervin L.
Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 541,827, Feb. 1. Class 42.
Folsom, H. & D., Arms Co. Inc., The, New York, N. Y. Fishing lines. Serial No. 548,552, Feb. 1. Class 22.
Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. Serial No. 527,183, Feb. 1. Class 1.
Fouke Fur Company, St. Louis, Mo. Fur skins, hides, and pelts. Serial No. 527,189, Feb. 1. Class 1.
Frabill Manufacturing Company, Milwaukee, Wis. Fishing bobs. Serial No. 542,305, Feb. 1. Class 22.
Friedman-Lobel, Inc., New York, N. Y. Ladies' and girls' handbags and purses. Serial No. 559,507, Feb. 1. Class 3.
Friel, S. E. W., Queenstown, Md. Canned tomato juice and canned vegetables. Serial No. 543,912, Feb. 1. Class 46.
Frink Creamery Company, The, Denver, Colo. Cheese. Serial No. 558,784, Feb. 1. Class 46.
Gelgy Company, Inc., New York, N. Y. Medical preparation. Serial No. 522,779, Feb. 1. Class 6.
Glidden Company, The, Cleveland, Ohio. Stabilized rosin. Serial No. 546,695, Feb. 1. Class 1.
Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Pneumatic tires. Serial No. 519,748, Feb. 1. Class 35.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Rubber floor coverings. Serial No. 528,448, Feb. 1. Class 20.
Gordon-O'Neill Company, Jersey City, N. J. Apple brandy. Serial No. 535,699, Feb. 1. Class 49.
Granat Bros., Inc., San Francisco, Calif. Watches. Serial No. 552,142, Feb. 1. Class 27.
Green, A. P., Fire Brick Company, Mexico, Mo. Fire brick. Serial No. 553,277, Feb. 1. Class 12.

Greenbrook Chemical Co.: *See*—
Kuehnle-Wilson Inc., Philadelphia, Pa. Contract paint-

Nicolet, Pierre, Tramelan, Switzerland. Watches and parts
St. Regis Paper Company, New York, N. Y. Resinous plastic materials, thermoplastic materials. Serial No.

Greenbrook Chemical Co.: *See*—
Pierzchalski, Walter.
Greenebaum, J., Tanning Co., Chicago, Ill. Leather for shoe soles. Serial No. 529,054, Feb. 1. Class 1.
Greenwald, Alex, doing business as Storkwise Fashions, Los Angeles, Calif. Women's outer maternity garments. Serial No. 515,859, Feb. 1. Class 39.
Griffin Chemical Company, San Francisco, Calif. Emulsifiers. Serial No. 531,791, Feb. 1. Class 6.
Grilley, Arthur G., doing business as Highway Battery Co., Camden, N. J. Storage batteries. Serial No. 535,032, Feb. 1. Class 21.
Haas-Miller Corporation, Philadelphia, Pa. Oleaginous material. Serial No. 560,107, Feb. 1. Class 6.
Hallicrafters Co., The, Chicago, Ill. Radio receiving sets. Serial No. 544,728, Feb. 1. Class 21.
Hallicrafters Co., The, Chicago, Ill. Radio receiving sets. Serial No. 544,731, Feb. 1. Class 21.
Hardwood Products Company, Mayville, Mich. Toothpicks. Serial No. 540,189, Feb. 1. Class 44.
Harwid Company, The, Boston, Mass. Synthetic resinous plastic composition. Serial No. 529,461, Feb. 1. Class 1.
Heiman, Arthur S., Inc., New York, N. Y. Piece goods. Serial No. 555,097, Feb. 1. Class 42.
Hickok Manufacturing Co., Inc., Rochester, N. Y. Buckles and slides. Serial No. 547,548, Feb. 1. Class 28.
Highway Battery Co.: *See*—
Grilley, Arthur G.
Hobby Horse, The, Long Beach, Calif. Children's coats, suits, dresses, etc. Serial No. 480,542, Feb. 1. Class 39.
Hoffman, A. H., Inc., Landisville, Pa. Plant food, bone meal, dehydrated manure, etc. Serial No. 536,253, Feb. 1. Class 10.
Hoffmann-La Roche Inc., Nutley, N. J. Chemo-therapeutic agent. Serial No. 556,411, Feb. 1. Class 6.
Hummel and Downing Company, Milwaukee, Wis. Fiber board cartons. Serial No. 523,672, Feb. 1. Class 2.
Huth-James Shoe, Inc., Waupun, Wis. Shoes. Serial No. 532,592, Feb. 1. Class 39.
Hynd, A. C., Corp., Tipp City, Ohio. Lotion for the hair. Serial Nos. 529,649–50, Feb. 1. Class 6.
Hysan Products Company, Chicago, Ill. Chemical cleaning fluid. Serial No. 562,061, Feb. 1. Class 4.
Ideal Cement Company, Denver, Colo. Gypsum plaster. Serial No. 544,167, Feb. 1. Class 12.
Imco Manufacturing Corporation, The, New York, N. Y. Pyronhoric lighters for cigars, cigarettes, and pipes; flint for lighters, wicks for lighters. Serial No. 542,591, Feb. 1. Class 8.
Institutional Products Company, New York, N. Y. Sheets, towels, toweling, etc. Serial No. 555,521, Feb. 1. Class 42.
International Paper Company, New York, N. Y. Butchers' wrapping paper. Serial No. 505,586, Feb. 1. Class 37.
Intervine & Co., Inc., Weehawken, N. J. Preparation for the treatment of dermatophytosis, eczema, simple ringworm, etc. Serial No. 514,606, Feb. 1. Class 6.
Isaacs, Freddie H., doing business as Mark Isaacs Co., Jacksonville, Fla. Preparation used in the treatment of minor skin irritations. Serial No. 508,731, Feb. 1. Class 6.
Isaacs, Mark Co.: *See*—
Isaacs, Freddie H.
Ives, H. B., Company, The, New Haven, Conn. Casement window adipsters, window catches, hand rail brackets, etc. Serial No. 530,004, Feb. 1. Class 13.
Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove pipe connector. Serial No. 527,701, Feb. 1. Class 34.
Jensen, Georg, Inc., New York, N. Y. Clocks, watches, and watches and attached watch bracelets. Serial No. 504,361, Feb. 1. Class 27.
Jewel Tea Co., Inc., Barrington, Ill. Detergent. Serial No. 555,533, Feb. 1. Class 4.
Jimenez, Antonio L., Almeria, Spain. Soap. Serial No. 542,320, Feb. 1. Class 4.
Joanna Western Mills Company, Chicago, Ill. Label cloth of cotton fibers. Serial No. 536,811, Feb. 1. Class 42.
Jordahl, Mervin L., doing business as Fluor-Amm-Ine Co., Minneapolis and Olivia, Minn. Dentifrice. Serial No. 553,779, Feb. 1. Class 6.
Karol, J. L., Sheet Metal Co.: *See*—
Karol, Josef L.
Karol, Josef L., doing business as J. L. Karol Sheet Metal Co., Van Nuys, Calif. Air draft ventilators. Serial No. 523,389, Feb. 1. Class 34.
Kendall Company, The, Walpole, Mass. Diaper cloth, cheesecloth, and sheetings. Serial No. 535,714, Feb. 1. Class 42.
Kidde, Walter, & Company, Inc., Belleville, N. J. Carbon dioxide oxygen, and chemical preparations. Serial No. 526,658, Feb. 1. Class 6.
Kingsway, Inc., Chicago, Ill. Pieces of a chess game. Serial No. 549,937, Feb. 1. Class 22.
Kinnear Manufacturing Company, The, Columbus, Ohio. Rolling doors. Serial No. 537,459, Feb. 1. Class 12.
Kitchen Craft Foods Corporation, Brooklyn, N. Y. Syrup flavor bases and fruit acid solutions, etc. Serial No. 548,085, Feb. 1. Class 45.
Kress, S. H., and Company, New York, N. Y. Tablets, papeteries, and correspondence envelopes. Serial No. 542,412, Feb. 1. Class 37.
Kuehnle-Wilson Inc., Philadelphia, Pa. Contract painting. Serial No. 533,237, Feb. 1. Class 55.
L. & B. Jewelry Manufacturing Company, Providence, R. I. Jewelry. Serial No. 537,899, Feb. 1. Class 28.
Lenthéric Incorporated, New York, N. Y. Toilet water and talcum and sachet powders. Serial No. 560,417, Feb. 1. Class 6.
Levin, Alexander N., Chattanooga, Tenn. Garden and field seeds. Serial No. 493,970, Feb. 1. Class 1.
Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. Serial Nos. 543,488–9, Feb. 1. Class 17.
Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. Serial Nos. 543,492–4, Feb. 1. Class 17.
Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. Serial No. 543,496, Feb. 1. Class 17.
Lewis, I., Cigar Manufacturing Company, Newark, N. J. Cigars. Serial No. 543,499, Feb. 1. Class 17.
Lincoln Radio and Television Corporation, Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 529,181, Feb. 1. Class 21.
Line-No-Mor Co.: *See*—
Miller, Ann.
Litecraft Manufacturing Company, Newark, N. J. Electric lighting fixtures. Serial No. 521,911, Feb. 1. Class 21.
Longdon, F., & Company Limited, Derby, England. Hernia trusses, elastic hosiery; abdominal belts, etc. Serial No. 492,326, Feb. 1. Class 44.
Loo Loo: *See*—
Moeller, Albert W.
Lorillard, P., Company, New York, N. Y. Cigars. Serial No. 536,924, Feb. 1. Class 17.
Lowe Seed Company, Aroma Park, Ill. Hybrid seed corn. Serial No. 516,519, Feb. 1. Class 1.
Macy, R. H., & Co., Inc., New York, N. Y. Watches. Serial No. 552,369, Feb. 1. Class 27.
Madeleine Laboratories, Inc., Wilmington, Del. Skin ointment. Serial No. 544,652, Feb. 1. Class 6.
Manufacture de Caoutchouc Michelin (Puiseux, Boulanger et Cie), Clermont-Ferrand (Puy de-Dome), France. Pneumatic tires and air tubes. Serial No. 558,799, Feb. 1. Class 35.
Marks, Shirley, New York, N. Y. Non-precious costume jewelry. Serial No. 550,815, Feb. 1. Class 28.
Mathieson Chemical Corporation, assignee: *See*—
Bray Chemical Co.
Maxim Games Co., The, New York, N. Y. Game. Serial No. 495,901, Feb. 1. Class 22.
Mayers, L. & C., Co., Inc., New York, N. Y. Jewelry. Serial No. 537,927, Feb. 1. Class 28.
McGill Manufacturing Company, Inc., Valparaiso, Ind. Electric lamp guard. Serial No. 510,855, Feb. 1. Class 21.
Mexico Refractories Company, Mexico, Mo. Firebrick. Serial No. 541,862, Feb. 1. Class 12.
Mexico Refractories Company, Mexico, Mo. Insulating firebrick cement. Serial No. 541,945, Feb. 1. Class 12.
Michael, John L., Inc., Flushing, N. Y. Face powder, rouge, lipstick, etc. Serial No. 554,905, Feb. 1. Class 6.
Miles Laboratories, Inc., Elkhart, Ind. Anti-acid effervescent preparations. Serial No. 541,949, Feb. 1. Class 6.
Milldeburg Tanning Corporation, Philadelphia, Pa. Sole leather. Serial No. 521,919, Feb. 1. Class 1.
Miller, Ann, doing business as Line-No-Mor Co., New York, N. Y. Cosmetic astringent preparation. Serial No. 555,551, Feb. 1. Class 6.
Miller Brothers Company, Chattanooga, Tenn. Quilt patches. Serial No. 535,064, Feb. 1. Class 40.
Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Hay balers. Serial No. 518,773, Feb. 1. Class 23.
Moeller, Albert W., doing business as Loo Loo, Des Moines, Iowa. Cleaner. Serial No. 463,938, Feb. 1. Class 4.
Moog Industries, Inc., St. Louis, Mo. Piston rings. Serial No. 531,046, Feb. 1. Class 35.
Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Cigarettes. Serial Nos. 550,717–19, Feb. 1. Class 17.
Morris, Philip, & Co. Ltd. Incorporated, New York, N. Y. Smoking tobacco. Serial No. 550,720, Feb. 1. Class 17.
Morton Manufacturing Corporation, doing business as Snow White Products Company, Lynchburg, Va. Toilet soap. Serial No. 544,751, Feb. 1. Class 4.
Multicore Solders Limited, London, England. Soldering metals. Serial No. 493,207, Feb. 1. Class 14.
Multiplex Concrete Co., Inc., East Orange, N. J. Concrete products. Serial No. 537,473, Feb. 1. Class 12.
National Equipment Co., Inc., Indianapolis, Ind. Preparation to be applied to soil to bring earthworms to the surface. Serial No. 516,774, Feb. 1. Class 6.
Nebraska Consolidated Mills Company, Omaha, Nebr. Pancake flour, corn meal, whole wheat flour, etc. Serial No. 538,192, Feb. 1. Class 46.
New England Knitting Company, The, Winsted, Conn. Woven and knitted underwear and outer wear. Serial No. 540,595, Feb. 1. Class 39.
New England Knitting Company, The, Winsted, Conn. Woven and knitted outerwear. Serial No. 540,596, Feb. 1. Class 39.
Nicholson, H. R., Company, The, doing business as The Syrup Products Company, Baltimore, Md. Imitation grape concentrate. Serial No. 539,426, Feb. 1. Class 45.

Nicolet, Pierre, Tramelan, Switzerland. Watches and parts of watches. Serial No. 553,124, Feb. 1. Class 27.
Norris Inc., Atlanta, Ga. Candy. Serial No. 540,198, Feb. 1. Class 46.
O-Cedar Corp'n, Chicago, Ill. Insecticides. Serial No. 541,765, Feb. 1. Class 6.
Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 523,985, Feb. 1. Class 28.
Oneida Ltd., Sherrill and Oneida, N. Y. Silverplated flat tableware. Serial No. 524,002, Feb. 1. Class 28.
Outside Venetian Blind Company: *See*—
Tasco Corporation.
Oval Manufacturing Company, Inc., New York, N. Y. Jewelry. Serial No. 516,717, Feb. 1. Class 28.
Pacific Chemical Company, Los Angeles, Calif. Surface active agent. Serial No. 524,077, Feb. 1. Class 6.
Pan-American Enterprises, Inc., New York, N. Y. Oil stoves. Serial No. 474,550, Feb. 1. Class 34.
Parmelee, A. F., doing business as United States Safety Service Company, Kansas City, Mo. Transparent and translucent plastic materials. Serial No. 498,447, Feb. 1. Class 1.
Perfect Circle Corporation, Hagerstown, Ind. Piston rings. Serial No. 537,615, Feb. 1. Class 35.
Perfection Gear Company, Harvey, Ill. Ring gears and pinions, pressure plates, timing chains, etc. Serial No. 533,047, Feb. 1. Class 23.
Pfeiff Bros., Brooklyn, N. Y. Leather belting. Serial No. 538,445, Feb. 1. Class 35.
Philadelphia Quarts Company, Philadelphia, Pa. Silicate of soda. Serial No. 554,149, Feb. 1. Class 6.
Pierzchalski, Walter, doing business as Greenbrook Chemical Co., Manville, N. J. Ointment preparations. Serial No. 560,216, Feb. 1. Class 6.
Pioneer Suspender Company, Philadelphia, Pa. Garment-supporting braces. Serial No. 527,381, Feb. 1. Class 39.
Portis Style Industries, Inc., Chicago, Ill. Ear muffs. Serial No. 531,947, Feb. 1. Class 39.
Portland Packing Co., Portland, Maine. Canned vegetables. Serial No. 548,406, Feb. 1. Class 46.
Powell, Wm., Company, The, Cincinnati, Ohio. Gate valves and globe valves. Serial Nos. 523,534–5, Feb. 1. Class 13.
Preston, Horace G., Company, Detroit, Mich. Leather packings. Serial No. 538,560, Feb. 1. Class 35.
Ralpha-Pugh Company, Inc., San Francisco, Calif. Machines, parts for such machines, collapsible cores, etc. Serial No. 531,717, Feb. 1. Class 23.
Raybestos-Manhattan, Inc., Passaic, N. J. Packing rings. Serial No. 533,386, Feb. 1. Class 35.
Raybestos-Manhattan, Inc., Passaic, N. J. Packing rings. Serial No. 533,388, Feb. 1. Class 35.
R E C Sales Company: *See*—
R. E. C. Sales Company.
R. E. C. Sales Company, Hollywood, assignor to R E C Sales Company, Los Angeles, Calif. Electrically illuminated advertising sign. Serial No. 523,422, Feb. 1. Class 21.
Reliance Coal and Coke Co., The, Cincinnati, Ohio. Coal. Serial No. 546,607, Feb. 1. Class 1.
Rheem Manufacturing Company, New York, N. Y. Automatic water heaters. Serial No. 544,198, Feb. 1. Class 34.
Richardson Company, The, Lockland, Cincinnati, Ohio. Molded storage battery boxes of bitumen and filler materials. Serial No. 495,989, Feb. 1. Class 21.
Riehl Galley Lock Company, Cleveland, Ohio. Printers' type galley locks, and tie-ups. Serial No. 507,077, Feb. 1. Class 14.
Ringshed-Mason Company, Detroit, Mich. Liquid cleaner, synthetic enamel cleaner, and cleaning material, etc. Serial No. 517,668, Feb. 1. Class 4.
Rival Foods, Inc., Cambridge, Mass. Canned fruits, canned berries, canned citron and fruit peel, etc. Serial No. 535,351, Feb. 1. Class 46.
Rival Foods, Inc., Cambridge, Mass. Canned vegetables, canned tomato juice, canned fruits, etc. Serial No. 535,625, Feb. 1. Class 46.
Roberts, Bob: *See*—
Roberts, Robert J.
Roberts, Robert J., doing business as Bob Roberts, Gary, Ind. Propellers for toy power driven airplanes. Serial No. 519,138, Feb. 1. Class 22.
Robinson-Wagner Co. Inc., New York, N. Y. Cholesterol-lanosterol. Serial No. 560,293, Feb. 1. Class 6.
Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. Serial No. 534,348, Feb. 1. Class 4.
Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. Serial No. 534,353, Feb. 1. Class 4.
Roebling's, John A., Sons Company, Trenton, N. J. Magnet wire. Serial No. 544,284, Feb. 1. Class 21.
Rorer, William H., Inc., Philadelphia, Pa. Liquid preparation. Serial No. 552,924, Feb. 1. Class 6.
Russell Electric Company, Chicago, Ill. Electrically operated glue pots and electric heating elements. Serial No. 530,256, Feb. 1. Class 21.
S. K. S. Products: *See*—
Scott, Charles W.
Sadwin Curtain Mfg. Co. Inc., Woonsocket, R. I. Window and shower curtains. Serial No. 555,307, Feb. 1. Class 42.
St. Regis Paper Company, New York, N. Y. Resinous plastic materials, thermoplastic materials. Serial No. 524,625, Feb. 1. Class 1.
San Antonio Drug Company, San Antonio, Tex. Medicinal white mineral oil, rubbing alcohol, citrate of magnesia, etc. Serial No. 550,173, Feb. 1. Class 6.
Schmid, Hubert E., doing business as Tufcrete Company, Des Moines, Iowa. Bituminous emulsion composition. Serial No. 538,162, Feb. 1. Class 12.
Schmid, Hubert E., doing business as Tufcrete Company, Des Moines, Iowa. Clear liquid used in hardening concrete. Serial No. 539,087, Feb. 1. Class 12.
Schulte, D. A., Inc., New York, N. Y. Wallets. Serial No. 554,720, Feb. 1. Class 3.
Scott, Charles W., doing business as S. K. S. Products, Butte, Mont. Fishing tackle. Serial No. 520,772, Feb. 1. Class 22.
Sears, Roebuck and Co., Chicago, Ill. Water softener salts; deodorant and sewage disposal chemicals, pipe solvent; air driers, etc. Serial No. 550,443, Feb. 1. Class 6.
Sherwin-Williams Company, The, Cleveland, Ohio. Caulking compound. Serial No. 545,292, Feb. 1. Class 12.
Shofner Iron and Steel Works, Portland, Oreg. Ferrous alloy metals. Serial No. 557,781, Feb. 1. Class 14.
Simoneau, J. W., & Sons: *See*—
Simoneau, Joseph W.
Simoneau, Joseph W., doing business as J. W. Simoneau & Sons and White Mountain Perfumers, Nashua, N. H. Perfume. Serial No. 521,693, Feb. 1. Class 6.
Slip-Not Belting Corporation, Kingsport, Tenn. Transmission belting. Serial No. 562,410, Feb. 1. Class 35.
Smith, Howard, Co., Houston, Tex. Well screens. Serial No. 529,413, Feb. 1. Class 13.
Snow White Products Company: *See*—
Morton Manufacturing Corporation.
Southern Stove Works, Inc., Richmond, Va. Cooking ranges. Serial No. 521,157, Feb. 1. Class 34.
Spalding, A. G., & Bros, Inc., Chicopee, Mass. Badminton rackets, squash rackets, tennis rackets, etc. Serial No. 541,040, Feb. 1. Class 22.
Standard Company, Inc., Fall River, Mass. Expansion watch bands. Serial No. 517,748, Feb. 1. Class 28.
Standard Fruit Growers, Inc., Lake Alfred, Fla. Fresh citrus fruit. Serial No. 531,859, Feb. 1. Class 46.
Standard Pharmaceutical Co., Inc., New York, N. Y. Cola tablets. Serial No. 548,425, Feb. 1. Class 6.
Stanley, George D., Salisbury, Md. Athlete's foot ointment. Serial No. 553,646, Feb. 1. Class 6.
Stevens Products, Inc., East Orange, N. J. Cone diaphragm. Serial No. 540,333, Feb. 1. Class 21.
Storkwise Fashions: *See*—
Greenwald, Alex.
Stringfellow, Carlton B., doing business as Covercraft Company, Goshen, Ind. Slip covers. Serial No. 545,557, Feb. 1. Class 32.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial No. 547,173, Feb. 1. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial No. 547,181, Feb. 1. Class 11.
Sun Chemical Corporation, New York, N. Y. Printing ink. Serial No. 547,186, Feb. 1. Class 11.
Sun Rubber Company, The, Barberton, Ohio. Athletic balls. Serial Nos. 533,640–2, Feb. 1. Class 22.
Sun Valley Boots, Inc., Malone, N. Y. Ladies', misses' and children's overshoes. Serial No. 516,382, Feb. 1. Class 39.
Super-Cyclone, Inc., Glendale, Calif. Toys. Serial No. 510,285, Feb. 1. Class 22.
Syrup Products Company, The: *See*—
Nicholson, H. R., Company, The.
Takamine Laboratory, Inc., Clifton, N. J. Preparation for the removal of stains from fabrics. Serial No. 555,782, Feb. 1. Class 4.
Tappan Stove Company, The, Mansfield, Ohio. Gas ranges and stoves. Serial No. 550,841, Feb. 1. Class 34.
Tasco Corporation, doing business as Outside Venetian Blind Company, assignor to J. E. Bush, Dallas, Tex., doing business as Outside Venetian Blind Company, Metallic shutters. Serial No. 529,828, Feb. 1. Class 12.
Taylor's, Chas., Sons Company, The, Cincinnati, Ohio. Refractory cements, refractory ramming mixes, refractory bricks and refractory blocks. Serial No. 534,692, Feb. 1. Class 12.
Tinker, Harold W., doing business as Tinker Products, Aurora, Ill. Antiseptic lotion. Serial No. 523,930, Feb. 1. Class 6.
Tinker Products: *See*—
Tinker, Harold W.
Tufcrete Company: *See*—
Schmid, Hubert E.
Twin City Wholesale Grocer Co., St. Paul, Minn. Canned fruits, canned vegetables, canned fish, etc. Serial No. 555,903, Feb. 1. Class 46.
Uarco Incorporated, Chicago, Ill. Machine for feeding stationery through an addressing machine. Serial No. 532,768, Feb. 1. Class 23.
Uncas Manufacturing Company, Providence, R. I. Jewelry. Serial Nos. 545,052–3, Feb. 1. Class 28.
United States Gypsum Company, Chicago, Ill. Vegetable fiber hard board. Serial No. 551,923, Feb. 1. Class 12.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. Serial No. 541,224, Feb. 1. Class 22.

United States Safety Service Company: *See*—
Parmelie, A. F.
Universal Laboratories, Inc., East Orange, N. J. Soaps. Serial No. 553,792, Feb. 1. Class 4.
Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. Serial No. 551,065, Feb. 1. Class 6.
Valley Paper Company, Holyoke, Mass. Writing, typewriter, and printing paper. Serial No. 527,660, Feb. 1. Class 37.
Valley Paper Company, Holyoke, Mass. Writing, typewriting and printing paper. Serial No. 527,661, Feb. 1. Class 37.
Verney Corporation, Boston, Mass. Piece goods. Serial No. 508,944, Feb. 1. Class 42.
Vulcain Watch Company, Inc., New York, N. Y. Watches. Serial No. 537,957, Feb. 1. Class 27.
Vulcan Mold & Iron Company, Latrobe, Pa. Cast iron metal molds, and cast iron metal mold accessories. Serial No. 537,108, Feb. 1. Class 14.
Wallace, R., & Sons Manfg. Co., The, Wallingford, Conn. Silver-plated flatware and hollow ware. Serial No. Serial No. 535,108, Feb. 1. Class 28.
Wallerstein Company, Inc., New York, N. Y. Preparations in dry powder form. Serial No. 553,935, Feb. 1. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Vitamin composition. Serial No. 511,122, Feb. 1. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Antihistaminic preparations. Serial No. 550,882, Feb. 1. Class 6.
Washington Missionary College, Tacoma Park, Md. Folding ironing board. Serial No. 538,478, Feb. 1. Class 24.
Waterloo Canning Association, Waterloo, Wis. Canned peas. Serial No. 535,281, Feb. 1. Class 46.
Webster, F. S. Company, Cambridge, Mass. Typewriter ribbons, duplicating fluid, and metal stamp ink. Serial No. 552,194, Feb. 1. Class 11.
Weinberg Corporation, Chicago, Ill. Men's and young men's suits, coats, vests, etc. Serial No. 531,273, Feb. 1. Class 39.
Welch Industries, Incorporated, Colorado Springs, Colo. Hand lotion. Serial No. 557,880, Feb. 1. Class 6.
Westx Electric Heater Co., San Francisco, Calif. Electric space heaters. Serial No. 538,328, Feb. 1. Class 21.
Western Rawhide & Belting Company, Milwaukee, Wis. Round leather belting. Serial No. 564,032, Feb. 1. Class 35.
Wetherbolt's Perfume Co., Chicago, Ill. Perfume, cologne, bubble bath, etc. Serial No. 490,728, Feb. 1. Class 6.
White Bros. Rose Corp., Medina, N. Y. Fresh cut flowers. Serial No. 521,300, Feb. 1. Class 1.
White Mountain Perfumers: *See*—
Simoneau, Joseph W.
Whiting-Adams Company, Inc., Boston, Mass. Brushes. Serial No. 506,409, Feb. 1. Class 29.
Wide Awake Shirt Company, Inc., Reading, Pa. Dress, negligee and work shirts for men and boys. Serial No. 543,016, Feb. 1. Class 39.
Wide Awake Shirt Company, Inc., Reading, Pa. Dress, negligee and work shits for men and boys. Serial No. 543,018, Feb. 1. Class 39.
Wilkins, E. J., Company, Gloversville, N. Y. Billfolds, pocketbooks and key cases. Serial No. 559,198, Feb. 1. Class 3.
Wilson Bulb Farms: *See*—
Wilson, Hubert D.
Wilson, Hubert D., doing business as Wilson Bulb Farms, Albany, Ga. Bulbs and cut flowers. Serial No. 528,597, Feb. 1. Class 1.
Winne, Frank W., & Son, Inc., Philadelphia, Pa. Sash cord, awning cord and clothesllines. Serial No. 558,264, Feb. 1. Class 7.
Wood, John, Manufacturing Company, Inc., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Electric water heaters. Serial No. 543,347, Feb. 1. Class 21.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent compound. Serial No. 540,954, Feb. 1. Class 4.

LIST OF REGISTRANTS OF TRADE-MARKS

Acme Hosiery Mills, Inc.: *See*—
Parks Hosiery Mills, Inc.
Acme Steel Company, Chicago, Ill. Nailless steel strape, shook tie fasteners, corrugated-wood joint fasteners, etc. 209,875, Mar. 2, 1926. Republished Feb. 1. Class 13.
Acme Steel Company, Chicago, Ill. Bands, stays, open seals, etc. 247,878, Oct. 9, 1928. Republished Feb. 1. Class 13.
Acme Steel Company, Chicago, Ill. Sealers, stretchers, coil holders, etc. 329,392, Oct. 29, 1935. Republished Feb. 1. Class 23.
Acme Steel Company, Chicago, Ill. Iron and steel strapping. 331,891-2, Jan. 21, 1936. Republished Feb. 1. Class 13.
Acme Steel Company, Chicago, Ill. Steel strapping. 363,273, Dec. 20, 1938. Republished Feb. 1. Class 13.
Acme Steel Company, Chicago, Ill. Wire stitching machines. 387,962, June 10, 1941. Republished Feb. 1. Class 23.
Acme Steel Company, Chicago, Ill. Metal strapping. 402,908, Aug. 24, 1943. Republished Feb. 1. Class 13.
Adams & Brooks, Los Angeles Calif. Raw popcorn. 359,257, Aug. 9, 1938. Republished Feb. 1. Class 46.
Adams & Brooks, Los Angeles, Calif. Popped popcorn. 360,166, Sept. 6, 1938. Republished Feb. 1. Class 46.
Adler Co., The, Cincinnati, Ohio. Knitted socks. 506,143, Feb. 1; Serial No. 514,876, published Oct. 5, 1948. Class 39.
Aktiengesellschaft Chocolat Tobler, Bern, Switzerland. Chocolate, cocoa powder, assorted chocolates, and candy. 441,962, Feb. 1; Serial No. 516,111, published Oct. 12, 1948. Class 46.
Albert, Inc., Chicago, Ill. Women's, misses' and junior misses' or girls' undergarments. 441,981, Feb. 1; Serial No. 522,635, published Oct. 5, 1948. Class 39.
Alemite Manufacturing Corporation: *See*—
Bassick Manufacturing Company, The.
Alhadeff, Nessim, doing business as Whis Fish Products Company, by Whis Fish Products Company, Inc., Seattle, Wash. Canned fish. 377,346, Apr. 30, 1940. Republished Feb. 1. Class 46
Allied Chemical & Dye Corporation: *See*—
Semet-Solvay Company.
Allied Stores Corporation, New York, N. Y., doing business as The Bon Marche, Seattle, Wash., Dey Brothers & Company, Syracuse, N. Y., and Quackenbush Company, Paterson, N. J. Ladies' hosiery. 506,160, Feb. 1; Serial No. 521,104, published Sept. 28, 1948. Class 39.
Allison-Bedford Company, Chicago, Ill. Fruit preserves. 506,260, Feb. 1; Serial No. 541,063, published Oct. 12, 1948. Class 46.
Allmann, F. R., Woolen Co.: *See*—
Allmann, Fred R.
Allmann, Fred R., doing business as F. R. Allmann Woolen Co., Brooklyn, N. Y. Woolen and worsted piece goods. 506,289, Feb. 1; Serial No. 544,526, published Oct. 12, 1948. Class 42.
Altmann, Bernhard, New York, N. Y. Yarns. 506,333, Feb. 1; Serial No. 550,886, published Oct. 26, 1948. Class 43.
Alvey Conveyor Manufacturing Co., St. Louis, Mo. Conveyors, gravity slides, and spiral chutes. 431,226, July 15, 1947. Republished Feb. 1. Class 23.
Amboy Milk Products Company, Amboy, Ill. Evaporated milk, fresh cream, and fresh milk. 506,162, Feb. 1; Serial No. 523,232, published Oct. 19, 1948. Class 46.
American Cyanamid Company: *See*—
Klipstein, A., & Company.
American Disinfecting Co., Inc., Sedalia, Mo. Liquid preparation for surfacing, dressing, polishing and finishing floors and linoleum, etc. 362,154, Nov. 15, 1938. Amended. O. G. Feb. 1. Class 16.
American Gypsum Company, The, Port Clinton, Ohio, by The Celotex Corporation, Chicago, Ill. Acoustical tile. 363,707, Jan. 3, 1939. Republished Feb. 1. Class 12.
American Manufacturing Company, Brooklyn, N. Y., and Boston, Mass. Rope, cord and twine manufactured from vegetable fibre. 506,385, Feb. 1; Serial No. 552,383. Class 7.
American Pop Corn Company, Sioux City, and Schaller, by American Pop Corn Company, Sioux City, Iowa. Pop corn. 144,682, July 19, 1921. Republished Feb. 1. Class 46.
American Pop Corn Company, Sioux City, Iowa. Pop corn. 289,192, Nov. 24, 1931. Republished Feb. 1. Class 46.
Apple Capital Growers, Inc.: *See*—
Wenatchee Jim Hill Growers, Inc.
Armstrong Cork Company, Lancaster, Pa. House organs published periodically. 506,187, Feb. 1; Serial No. 529,951, published Oct. 19, 1948. Class 38.
Arnoff Shoe Company, Inc., New York, N. Y. Shoes. 506,219, Feb. 1; Serial No. 534,229, published Oct. 19, 1948. Class 39.
Artcraft Hosiery Sales Corp.: *See*—
Artcraft Silk Hosiery Mills, Inc.
Artcraft Silk Hosiery Mills, Inc., Philadelphia, by Artcraft Hosiery Sales Corp., Derby, Pa. Women's hosiery. 323,770, Apr. 30, 1935. Republished Feb. 1. Class 39.
Artistic Foundations, Inc., New York, N. Y. Girdles and foundation garments. 506,370, Feb. 1; Serial No. 522,769. Class 39.
Aunt Nellie's Farm Kitchen, Inc., Hartford, to Aunt Nellie's Farm Kitchen, Inc., Clyman, Wis. Canned peas, canned corn, canned beans, and canned tomatoes. 255,953, renewed Apr. 30, 1949. O. G. Feb. 1. Class 46.
Autoclench Company, Inc., New York, N. Y. Machine driven staples. 318,534, Oct. 30, 1934. Amended. O. G. Feb. 1. Class 13.
Automatic Ticket Selling & Cash Register Company, New York, by General Register Corporation, Long Island City, N. Y. Ticket-selling machines. 112,347, Sept. 5, 1916. Republished Feb. 1. Class 23.

Avon Products, Inc., New York, N. Y. Talcum powder, baby oil, and skin cream. 435,479, Dec. 30, 1947. Republished Feb. 1. Class 30.
Avon Products, Inc., New York, N. Y. Cosmetic sets. 435,504, Dec. 30, 1947. Republished Feb. 1. Class 6.
Avon Products, Inc., New York, N. Y. Cologne, body powder and toilet water. 435,540, Dec. 30, 1947. Republished Feb. 1. Class 6.
Avon Products, Inc., New York, N. Y. Cosmetic set. 435,744, Jan. 6, 1948. Republished Feb. 1. Class 6.
Bailey Priboda & Company, doing business as Lady America Home Products Co., Kalamazoo, Mich. Rug shampoo, spot remover, and general purpose cleaning compound. 506,384, Feb. 1; Serial No. 551,681. Class 4.
Barbizon Corporation, The, New York, N. Y. Ladies' slip. 506,373, Feb. 1; Serial No. 529,531. Class 39.
Barrell, William L., Company, New York, N. Y. Cotton duck in the piece. 506,216, Feb. 1; Serial No. 533,976, published Oct. 5, 1948. Class 42.
Barrett Company, The, New York, N. Y. Solid bituminous material. 172,213, Aug. 28, 1923. Amended. O. G. Feb. 1. Class 1.
Barrett Company, The, New York, N. Y. Liquid bituminous material. 172,214, Aug. 28, 1923. Amended. O. G. Feb. 1. Class 1.
Barricini Inc., Long Island City, N. Y. Candy. 342,850, Feb. 2, 1937. Republished Feb. 1. Class 46.
Barton Chemical Co.: *See*—
Bartos, Vincent B.
Barton Chemical Company: *See*—
Bartos, Vincent B.
Bartos, Vincent B., doing business as Barton Chemical Co., Chicago, Ill., by Barton Chemical Company. Liquid solution for bleaching, deodorising, and disinfecting. 365,435, Mar. 7, 1939. Republished Feb. 1. Class 6.
Bassick Manufacturing Company, The, now by change of name to Alemite Manufacturing Corporation, to Stewart-Warner Corporation, Chicago, Ill. Lubricating oils and greases. 256,560, renewed May 21, 1949. O. G. Feb. 1. Class 15.
Bates, C. J., & Son, Chester, Conn. Crochet hooks for hand use. 506,204, Feb. 1; Serial No. 531,989, published Oct. 12, 1948. Class 40.
Bates & Co. (Huddersfield), Limited, Huddersfield, England. Yarns wholly or mainly of wool or worsted. 506,343, Feb. 1; Serial No. 552,530, published Oct. 26, 1948. Class 43.
Beam, Victor, doing business as Pope's Grill, Tulsa, Okla. Salad dressings. 441,978, Feb. 1; Serial No. 521,786, published Oct. 19, 1948. Class 46.
Beautime Formals, Inc., New York, N. Y. Women's and misses' dresses and evening gowns. 506,308, Feb. 1; Serial No. 546,751, published Oct. 19, 1948. Class 39.
Beckerman Shoe Corporation of Boyertown, Brooklyn, N. Y. Infants' and children's shoes. 441,946, Feb. 1; Serial No. 497,694, published Sept. 28, 1948. Class 39.
Bee Hat & Cap Co., St. Louis, Mo. Men's and boys' hats. 506,236, Feb. 1; Serial No. 537,131, published May 25, 1948. Class 39.
Behrens, Sir Jacob, & Sons, Bradford, England. Cloths and stuffs of wool, worsted, or hair. 506,338, Feb. 1; Serial No. 551,684, published Sept. 28, 1948. Class 42.
Berlinger, Joseph, Company, New York, N. Y. Piece goods. 506,294, Feb. 1; Serial No. 544,967, published Oct. 12, 1948. Class 42.
Black Manufacturing Co., The, Seattle, Wash. Men's and boys' clothing. 506,207, Feb. 1; Serial No. 532,426, published Sept. 28, 1948. Class 39.
Blanchard Deco-Plastics, Inc., Newark, N. J., assignor to Deco-Plastics, Inc., New York, N. Y. Plastic sheeting. 506,233, Feb. 1; Serial No. 536,491, published Oct. 12, 1948. Class 42.
Bloomsburg Mills, Inc., New York, N. Y. Piece goods. 506,344, Feb. 1; Serial No. 552,567, published Oct. 5, 1948. Class 42.
Blue Buckle Overall Company, Inc., assignor to Blue Ridge Manufacturers, Inc., Lynchburg, Va. Overalls, coats, dungarees, etc. 506,140, Feb. 1; Serial No. 511,665, published Oct. 12, 1948. Class 39.
Blue Ridge Manufacturers, Inc.: *See*—
Blue Buckle Overall Company, Inc.
Bolivar Publishing Company, The, Cleveland, Ohio. Publication published monthly or from time to time. 506,210, Feb. 1; Serial No. 533,126, published Mar. 9, 1948. Class 38.
Bomse, H., & Bro., assignor to H. Bomse & Bro., Inc., Philadelphia, Pa. Ladies' and misses' coats, suits and dresses. 441,942, Feb. 1; Serial No. 473,635, published May 8, 1945. Class 39.
Bomse, H., & Bro., Inc.: *See*—
Bomse, H., & Bro.
Bon Marche, The: *See*—
Allied Stores Corporation.
Bookmark, The: *See*—
Leistner, George W.
Boonton Full Fashion Hosiery Mill, Boonton, N. J. Full fashioned hosiery for women. 506,156, Feb. 1; Serial No. 519,920, published Oct. 5, 1948. Class 39.
Boonton Full Fashion Hosiery Mills, Boonton, N. J. Hosiery. 506,194, Feb. 1; Serial No. 531,294, published Oct. 12, 1948. Class 39.
Boott Mills, Lowell, Mass. Turkish towels. 245,674, Aug. 21, 1928. Republished Feb. 1. Class 42.

Boretz, Abraham, doing business as Boretz Manufacturing Company, New York, N. Y. Trunks, traveling bags, pocketbooks, etc. 506,315, Feb. 1; Serial No. 548,045, published Oct. 19, 1948. Class 3.
Boretz Manufacturing Company: *See*—
Boretz, Abraham.
Borgenicht, Jack, Inc., Forest City, Pa., and New York, N. Y. Children's, girls', women's, and misses' dresses. 506,381, Feb. 1; Serial No. 541,501. Class 39.
Bottled Gas Corporation, Davenport, Iowa. Bottled gas. 506,356, Feb. 1; Serial No. 509,912. Class 6.
Brach, E. J., & Sons: *See*—
Chicky Candies, Inc.
Brach, E. J., & Sons, Chicago, Ill. Candy. 224,664, Mar. 1, 1927. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 224,991, Mar. 8, 1927. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Periodical. 261,336, Sept. 17, 1929. Republished Feb. 1. Class 38.
Brach, E. J., & Sons, Chicago, Ill. Candy. 344,465, Mar. 23, 1937. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candies. 347,120, June 15, 1937. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candies. 349,978, Sept. 14, 1937. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candies. 352,782, Dec. 14, 1937. Republished Feb. 1. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 395,274, May 19, 1942. Republished Feb. 1. Class 46.
Brasil Oiticica S. A., Rio de Janeiro, Brazil. Paint oil. 336,565-6, July 7, 1936. Republished Feb. 1. Class 16.
Brawley Drug Co.: *See*—
Rossiter, Milton A.
Brazil Oiticica S. A., Rio de Janeiro, Brazil. Paint oil. 337,961, Aug. 25, 1936. Republished Feb. 1. Class 16.
Briggs & Stratton Co., by Briggs & Stratton Corporation, Milwaukee, Wis. Electrical equipment. 102,033, Jan. 26, 1915. Republished Feb. 1. Class 21.
Briggs & Stratton Company, by Briggs & Stratton Corporation, Milwaukee, Wis. Electrical equipment. 184,010, May 13, 1924. Republished Feb. 1. Class 21.
Briggs & Stratton Company, by Briggs & Stratton Corporation, Milwaukee, Wis. Automobile locks, compartment locks, and locking door handles. 195,003, Feb. 17, 1925. Republished Feb. 1. Class 25.
Briggs & Stratton Company, assignor to Briggs & Stratton Corporation, by Briggs & Stratton Corporation, Milwaukee, Wis. Automobile locks, compartment locks, and locking door handles. 199,693, June 16, 1925. Republished Feb. 1. Class 25.
Briggs & Stratton Corporation: *See*—
Briggs & Stratton Co.
Briggs & Stratton Company,
Brody, F., & Sons Co., Des Moines, Iowa. Men's and boys' overalls, work shirts, work pants, and coveralls. 506,163, Feb. 1; Serial No. 523,945, published Sept. 28, 1948. Class 39.
Brogan, Theresa G., doing business as J. M. Hall Co., Providence, R. I. Jewelry. 506,363, Feb. 1; Serial No. 517,696. Class 28.
Brookside Manufacturing Corp., New York, N. Y. Brassières. 506,362, Feb. 1; Serial No. 517,610. Class 39.
Brosseau & Company, Inc., New York, N. Y. Handbags and pocketbooks. 506,314, Feb. 1; Serial No. 547,823, published Oct. 19, 1948. Class 3.
Bryan Full Fashioned Mills, Inc., Chattanooga, Tenn. Ruler used for measuring the lengths and widths of hosiery. 506,365, Feb. 1; Serial No. 519,256. Class 28.
Budd Company, The: *See*—
Budd Wheel Company.
Budd Wheel Company, by The Budd Company, Philadelphia, Pa. Brake control devices. 415,487, Aug. 7, 1945. Republished Feb. 1. Class 19.
Budreau, J. L., & Co.: *See*—
Savannah Truckers Exchange.
Buffalo Courier Express, Inc., Buffalo, N. Y. Newspaper. 506,305, Feb. 1; Serial No. 546,186, published Oct. 5, 1948. Class 38.
Bullen Chemical Co., The: *See*—
Bullen, J. Warren.
Bullen Chemical Company, Inc., The: *See*—
Bullen, J. Warren.
Bullen, Joseph W.
Bullen, J. Warren, doing business as The Bullen Chemical Co., by The Bullen Chemical Company, Inc., Folcroft, Pa. Liquid compounds used as floor oils, sealers for wooden surfaces, floor finishes, etc. 414,306, June 5, 1945. Republished Feb. 1. Class 16.
Bullen, Joseph W., by The Bullen Chemical Company, Inc., Folcroft, Pa. Disinfectant. 128,947, Jan. 20, 1920. Republished Feb. 1. Class 6.
Bullen, Joseph W., by The Bullen Chemical Company, Inc., Folcroft, Pa. Wax polishing-oil. 129,334, Feb. 17, 1920. Republished Feb. 1. Class 16.
Bullen, Joseph W., by The Bullen Chemical Company, Inc., Folcroft, Pa. Liquid preparation in the nature of a furniture polish. 129,335, Feb. 17, 1920. Republished Feb. 1. Class 16.
Bullet Recording & Transcription Co. Inc., Nashville, Tenn. Grooved phonograph records. 441,954, Feb. 1; Serial No. 512,235, published Oct. 26, 1948. Class 36.

Burlington Mills Corporation, Greensboro, N. C. Cotton yarns. 506,306, Feb. 1; Serial No. 546,361, published Oct. 19, 1948. Class 43.

Buxton, Incorporated, Springfield, Mass. Billfolds. 506,268, Feb. 1; Serial No. 543,091, published Oct. 19, 1948. Class 3.

Byrd, H. F., to H. F. Byrd, Inc., Winchester, Va. Fresh apples. 254,636, renewed Mar. 26, 1949. O. G. Feb. 1. Class 46.

Byrd, H. F., Inc.: *See*—
Byrd, H. F.

Calamaki Importing Company: *See*—
Konidis, Demetrios G.

California Canners Associates, Los Angeles, Calif. Canned fruit juices. 506,135, Feb. 1; Serial No. 506,006, published Oct. 12, 1948. Class 46.

California Fig Growers & Packers, Inc., Fresno, Calif. Dried figs. 355,748, Mar. 29, 1938. Republished Feb. 1. Class 46.

Cameo Fabrics, Inc., New York, N. Y. Woven textile fabrics. 506,232, Feb. 1; Serial No. 536,046, published Oct. 12, 1948. Class 42.

Cannon, H. P., & Son, Inc., Bridgeville, Del. Canned vegetables and canned tomato juice. 506,248, Feb. 1; Serial No. 538,493, published Oct. 12, 1948. Class 46.

Carbon Systems, Inc., Kansas City, Mo. Commercial and business forms. 360,317, Sept. 13, 1938. Republished Feb. 1. Class 37.

Castello, Anthony, doing business as Castello Packing Company, Brooklyn, N. Y. Edible salad and cooking oils. 441,966, Feb. 1; Serial No. 517,700, published Oct. 19, 1948. Class 46.

Castello Packing Company: *See*—
Castello, Anthony.

Caterpillar Tractor Co., Peoria, Ill. Dump-wagons, wheel tractor-dump-wagon combinations, and structural parts for such products. 506,258, Feb. 1; Serial No. 540,644, published Oct. 12, 1948. Class 19.

Celanese Corporation of America, New York, N. Y. Fabrics made wholly or partially of cellulose derivatives. 255,816, renewed Apr. 30, 1949. O. G. Feb. 1. Class 42.

Celotex Corporation, The: *See*—
American Gypsum Company.

Celotex Corporation, The, Chicago, Ill. Sound absorbing pads. 362,812, Nov. 29, 1938. Republished Feb. 1. Class 12.

Century Burial Vault Co., San Francisco, Calif. Burial vaults. 441,959, Feb. 1; Serial No. 514,250, published Oct. 26, 1948. Class 2.

Century Ribbon Mills, Inc., New York, N. Y. Ribbons. 506,234, Feb. 1; Serial No. 537,004, published Oct. 12, 1948. Class 42.

Century Thread Corp., New York, N. Y. Sewing thread. 441,971–2, Feb. 1; Serial Nos. 518,655–6, published Oct. 19, 1948. Class 43.

Chic Manufacturing Co., to Princess Peggy, Inc., Peoria, Ill. Ladies' aprons and house frocks. 245,153, renewed Aug. 7, 1948. O. G. Feb. 1. Class 39.

Chicago Federation of Labor, Chicago, Ill. Periodically and intermittently appearing printed programs, magazines, and labor union directories. 506,131, Feb. 1; Serial No. 502,489, published Oct. 19, 1948. Class 38.

Chicky Candies, Inc., Grand Rapids, Mich., by E. J. Brach & Sons, Chicago, Ill. Candy. 347,082, Jan. 15, 1937. Republished Feb. 1. Class 46.

Chipman Knitting Mills, doing business as Roman Stripe Hosiery, Easton, Pa., and New York, N. Y. Hosiery. 506,355, Feb. 1; Serial No. 506,467. Class 39.

Chipman Knitting Mills, doing business as Roman Stripe Hosiery, Easton, Pa., and New York, N. Y. Hosiery. 506,361, Feb. 1; Serial No. 516,395. Class 39.

Chrysler Corporation, Highland Park, Mich. Refrigerating apparatus and parts thereof. 503,315, Oct. 19, 1948. Corrected. O. G. Feb. 1. Class 31.

Chula Vista Vegetable Exchange, Chula Vista, Calif. Fresh celery. 335,064, May 19, 1936. Republished Feb. 1. Class 46.

Church & Dwight Co., Inc., New York, N. Y. Baking soda (bicarbonate of soda). 506,170, Feb. 1; Serial No. 526,752, published Oct. 19, 1948. Class 46.

Clairol, Incorporated, Stamford, Conn. Hair tints, hair dyes, and shampoo tints. 506,372, Feb. 1; Serial No. 524,173. Class 6.

Clinton Industries, Inc., Clinton, Iowa. Refined corn sugar. 427,488, Feb. 11, 1947. Republished Feb. 1. Class 6.

Clover Farm Stores Corporation, Cleveland, Ohio. Clothes lines. 506,345, Feb. 1; Serial No. 552,945, published Oct. 26, 1948. Class 7.

Cobb Mfg. Co., Inc., The, Richmond, Va. Laundry bluing. 237,072, Jan. 3, 1928. Republished Feb. 1. Class 6.

Cohen, Julius, & Sons, Inc., New York, N. Y. Cotton, silk, and mercerized linen, and rayon thread, and cotton yarn. 506,263, Feb. 1; Serial No. 541,811, published Oct. 19, 1948. Class 43.

Consolidated Textile Co., Inc., New York, N. Y. Plain white, dyed, or printed cotton piece goods. 506,164, Feb. 1; Serial No. 525,300, published Sept. 28, 1948. Class 42.

Continental Products Company, Flint, Mich. All-herb preparation for reducing. 506,358, Feb. 1; Serial No. 514,184. Class 6.

Continental Screw Company, New Bedford, Mass. Fastenings. 422,631, Aug. 6, 1946. Republished Feb. 1. Class 13.

Craddock-Terry Shoe Corporation, Lynchburg, Va. Leather shoes for men. 506,186, Feb. 1; Serial No. 529,751, published Oct. 5, 1948. Class 39.

Craft Bag Corporation, The, Brooklyn, N. Y. Paper bags. 506,287, Feb. 1; Serial No. 544,327, published Oct. 12, 1948. Class 2.

Crawford Door Company, Detroit, Mich. Complete upward-acting door installations. 391,772, Nov. 25, 1941. Republished Feb. 1. Class 12.

Crawford Manufacturing Co. Inc., Richmond, Va. Awnings. 323,930, May 7, 1935. Republished Feb. 1. Class 50.

Crawford Manufacturing Co., Inc., Richmond, Va. Awning fabrics and canvas goods. 324,286, May 14, 1935. Republished Feb. 1. Class 42.

Crawford Manufacturing Co., Inc., Richmond, Va. Hassocks. 332,140, Feb. 4, 1936. Republished Feb. 1. Class 32.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,269, Feb. 1; Serial No. 543,099, published Oct. 5, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,270, Feb. 1; Serial No. 543,104, published Oct. 5, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,271, Feb. 1; Serial No. 543,112, published Sept. 28, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,272, Feb. 1; Serial No. 543,114, published Sept. 28, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,273, Feb. 1; Serial No. 543,117, published Sept. 28, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,274, Feb. 1; Serial No. 543,127, published Oct. 12, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,275, Feb. 1; Serial No. 543,133, published Oct. 12, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,276, Feb. 1; Serial No. 543,136, published Oct. 5, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,277, Feb. 1; Serial No. 543,144, published Oct. 5, 1948. Class 42.

Crompton Company, West Warwick, R. I. Fabrics in the piece. 506,342, Feb. 1; Serial No. 552,234, published Oct. 5, 1948. Class 42.

Crouch & Fitzgerald Corporation, New York, N. Y. Suit cases, travelling bags, portfolios, etc. 506,296, Feb. 1; Serial No. 545,242, published Oct. 19, 1948. Class 3.

Crystal Hosiery Co., New York, N. Y. Hosiery. 506,171, Feb. 1; Serial No. 527,040, published Sept. 28, 1948. Class 39.

Curreri, Anthony W.: *See*—
Konidis, Demetrios G.

Currick & Leiken Co. Inc., New York, N. Y. Suits, topcoats, sport coats, and sport jackets. 441,980, Feb. 1; Serial No. 522,316, published Sept. 28, 1948. Class 39.

Dairy Products Co.: *See*—
Staff, Myer.

Dairy Products Company, Inc.: *See*—
Staff, Myer.

Darling Pump & Mfg. Co. Limited, The, to Darling Valve & Manufacturing Company, Williamsport, Pa. Composition packing containing rubber and a reinforcing material in the form of packing cups, gaskets, and washers. 73,160, re-renewed Mar. 23, 1949. O. G. Feb. 1. Class 35.

Darling Valve & Manufacturing Company: *See*—
Darling Pump & Mfg. Co. Limited, The.

Davis, Joel Baily, Co., Philadelphia, Pa. Hosiery. 73,087, Mar. 16, 1909. Republished Feb. 1. Class 39.

Deco-Plastics, Inc.: *See*—
Blanchard Deco-Plastics, Inc.

De Long Hook and Eye Company, The, Philadelphia, Pa. Hook and eye tape. 441,950, Feb. 1; Serial No. 503,435, published Oct. 19, 1948. Class 40.

Delta Brush Mfg. Corp., New York, N. Y. Artists' brushes. 433,607, Oct. 21, 1947. Republished Feb. 1. Class 29.

Dey Brothers & Company: *See*—
Allied Stores Corporation.

Di-Noc Company, The: *See*—
Di-Noc Manufacturing Company, The.

Di-Noc Company, The, Cleveland, Ohio. Photosensitive transfers. 423,448, Sept. 3, 1946. Republished Feb. 1 Class 26.

Di-Noc Company, The, Cleveland, Ohio. Translucent drafting material. 428,177, Mar. 11, 1947. Republished Feb. 1. Class 26.

Di-Noc Manufacturing Company, The, by The Di-Noc Company, Cleveland, Ohio. Transfer prints. 196,223, Mar. 10, 1925. Republished Feb. 1. Class 38.

Disney Hats, New York, N. Y., by The Frank H. Lee Company, Danbury, Conn. Hats and caps. 170,392, July 17, 1923. Republished Feb. 1. Class 39.

Disney Hats, New York, N. Y., by The Frank H. Lee Company, Danbury, Conn. Caps and hats for men and women. 219,621, Oct. 21, 1926. Republished Feb. 1. Class 39.

Disney Hats, New York, N. Y., by The Frank H. Lee Company, Danbury, Conn. Caps and hats for men and women. 219,642, Oct. 19, 1926. Republished Feb. 1. Class 39.

Doherty, Frank J., doing business as Doherty Hosiery Co., New York, N. Y. Hosiery. 506,237, Feb. 1; Serial No. 537,298, published Sept. 7, 1948. Class 39.

Doherty Hosiery Co.: *See*—
Doherty, Frank J.

Donna Fruit Company, Edinburg, Tex. Fresh citrus fruits. 434,610, Nov. 25, 1947. Republished Feb. 1. Class 46.

Dow Mechanical Corporation, The, Thompsonville, Conn. Internal length comparator gages. 506,364, Feb. 1; Serial No. 518,072. Class 26.

Dritz-Traum Co., by David Traum Company, Incorporated, New York, N. Y. Fancy bags. 164,375, Feb. 20, 1923. Republished Feb. 1. Class 3.

Dritz-Traum Company, Inc., by David Traum Company, Incorporated, New York, N. Y. Elastic thread. 369,467, July 25, 1939. Republished Feb. 1. Class 43.

Dritz-Traum Company, Inc., by David Traum Company, Incorporated, New York, N. Y. Coated fabric swatches and tape rendered adhesive by heat. 402,415, July 20, 1943. Republished Feb. 1. Class 5.

Dritz-Traum Company, Inc., by David Traum Company, Incorporated, New York, N. Y. Ironing press cloths. 405,042, Jan. 4, 1944. Republished Feb. 1. Class 24.

Dritz-Traum Company, Inc., by David Traum Company, Incorporated, New York, N. Y. Coated fabric swatches and tape rendered adhesive by heat and used for mending purposes. 414,675, June 19, 1945. Republished Feb. 1. Class 5.

Dritz-Traum Company, Inc., by David Traum Company, Incorporated, New York, N. Y. Ironing press cloths. 415,111, July 10, 1945. Republished Feb. 1. Class 24.

Duncan Coffee Company, Houston, Tex. Coffees. 506,240, Feb. 1; Serial No. 537,575, published Oct. 12, 1948. Class 46.

Duncan Electric Manufacturing Company, La Fayette, Ind. Periodicals published at irregular intervals. 441,960, Feb. 1; Serial No. 514,258, published Oct. 5, 1948. Class 38.

E-Z Opener Bag Company, Taylorville, Ill., by Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 73,817–19, May 25, 1909. Republished Feb. 1. Class 2.

E-Z Opener Bag Company, Taylorville, Ill., by Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 73,534–6, May 25, 1909. Republished Feb. 1. Class 2.

E-Z Opener Bag Company, Taylorville, Ill., by Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 73,838, May 25, 1909. Republished Feb. 1. Class 2.

E-Z Opener Bag Company, Decatur, Ill., by Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 227,085, Apr. 26, 1927. Republished Feb. 1. Class 2.

E-Z Opener Bag Company, Decatur, Ill., by Gulf States Paper Corporation, Tuscaloosa, Ala. Paper bags. 229,665, July 5, 1927. Republished Feb. 1. Class 2.

E-Z Opener Bag Company, Tuscaloosa, Ala. Paper bags. 309,484, Jan. 10, 1934. Republished Feb. 1. Class 2.

Eckbro Manufacturing Company, Chicago, Ill. Clothing. 506,239, Feb. 1; Serial No. 537,439, published Oct. 12, 1948. Class 39.

Ehrman Bros., Horn & Co., by Montebello Wine Co. of California, San Francisco, Calif. Wines. 313,154, May 15, 1934. Republished Feb. 1. Class 47.

Elkon Works, Inc., Weehawken, N. J., by P. R. Mallory & Co., Inc., Indianapolis, Ind. Electric-current rectifiers, electric-current rectifier units, electric-current battery eliminators and asymmetric cells. 218,871, Oct. 5, 1926. Republished Feb. 1. Class 21.

Ellena Brothers: *See*—
Ellena Bros.

Ellena Bros., Cucamonga and Etiwanda, by Ellena Brothers, Etiwanda, Calif. Wine. 311,858, Apr. 10, 1934. Republished Feb. 1. Class 47.

Ellena Bros., Cucamonga and Etiwanda, by Ellena Brothers, Etiwanda, Calif. Brandy, gin, and whiskey. 326,396, July 23, 1935. Republished Feb. 1. Class 49.

Ellena Brothers, by Ellena Brothers, Etiwanda, Calif. Champagne. 370,402, Aug. 29, 1939. Republished Feb. 1. Class 47.

Elmo Sales Corporation, Philadelphia, Pa. Shampoo. 506,371, Feb. 1; Serial No. 523,831. Class 6.

Enger-Kress Company, West Bend, Wis. Purses and billfolds. 506,366, Feb. 1; Serial No. 520,205. Class 3.

Engineering and Research Corporation, Riverdale, Md. Airplanes. 441,945, Feb. 1; Serial No. 496,018, published Oct. 5, 1948. Class 19.

Engineering and Research Corporation, Riverdale, Md. Airplanes. 441,973, Feb. 1; Serial No. 519,933, published Oct. 5, 1948. Class 19.

Esleeck Manufacturing Co., Turners Falls, Mass. Writing paper. 73,561, re-renewed Apr. 27, 1949. O. G. Feb. 1. Class 37.

Essex Rubber Company, Trenton, N. J. Rubber soles. 278,208, Dec. 9, 1930. Republished Feb. 1. Class 39.

Essex Rubber Company, Trenton, N. J. Rubber and composition heels. 279,665, Jan. 20, 1931. Republished Feb. 1. Class 39.

Essex Rubber Company, Trenton, N. J. Rubber heels. 309,372, Jan. 9, 1934. Republished Feb. 1. Class 39.

Executives' Radio Service, Larchmont, N. Y. Periodic publication. 506,310, Feb. 1; Serial No. 546,987, published Oct. 5, 1948. Class 38.

Exton, Elaine, Washington, D. C. Column or section appearing in a periodical or newspaper. 506,145, Feb. 1; Serial No. 516,010, published Oct. 19, 1948. Class 38.

Farnsworth, Daniel W., New York, N. Y. Woolen piece goods and pure woolen blankets. 506,264, Feb. 1; Serial No. 541,822, published Oct. 12, 1948. Class 42.

Farnsworth, Daniel W., New York, N. Y. Woolen and worsted piece goods. 506,266, Feb. 1; Serial No. 542,019, published Oct. 12, 1948. Class 42.

Fear, Fred & Co., Brooklyn, N. Y. Christmas seals, printed tags and cards, and printed tapes and stickers. 506,146, Feb. 1; Serial No. 516,180, published Oct. 19, 1948. Class 38.

Feinberg, Moe, and M. Wiesen, New York, N. Y. Ladies' dresses. 441,988, Feb. 1; Serial No. 514,259. Class 39.

Finch, Jos. S., & Company, New York, N. Y. Whiskey. 322,645, Mar. 19, 1935. Republished Feb. 1. Class 49.

Fireline Stove and Furnace Lining Company: *See*—
Filbrico Jointless Firebrick Company.

Fisba Fabrics, Inc., New York, N. Y. Cotton fabrics in the piece. 506,291, Feb. 1; Serial No. 544,860, published Oct. 12, 1948. Class 42.

Fleming-Hall Tobacco Co., Inc.: *See*—
Landau, Charles P.

Folker Fabrics Corporation, New York, N. Y. Textile fabrics in the piece of rayon. 506,282, Feb. 1; Serial No. 543,804, published Oct. 12, 1948. Class 42.

Folly Cove Designers, Gloucester and Annisquam, Mass. Dirndls, jumpers, pinafores, etc. 441,963, Feb. 1; Serial No. 516,406, published Oct. 5, 1948. Class 39.

Foreman Fabrics Corp., New York, N. Y. Piece goods of rayon yarns. 441,958, Feb. 1; Serial No. 514,020, published June 15, 1948. Class 42.

Fox Case Corporation, to Movietonews, Inc., New York, N. Y. Motion pictures. 249,701, renewed Nov. 20, 1948. O. G. Feb. 1. Class 26.

Frank, Jacob W., doing business as Frank's Wood Products, Grand Rapids, Mich. Wheeled kneeling pads. 506,312, Feb. 1; Serial No. 547,108, published Oct. 12, 1948. Class 19.

Frank's Wood Products: *See*—
Frank, Jacob W.

Freeman Shoe Corporation, Beloit, Wis. Boots and shoes. 305,659, Aug. 22, 1933. Republished Feb. 1. Class 39.

French, Shriner & Urner, to French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 245,174, renewed Aug. 7, 1948. O. G. Feb. 1. Class 39.

French, Shriner & Urner, to French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 250,872, renewed Dec. 18, 1948. O. G. Feb. 1 Class 39.

French, Shriner & Urner, by French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 254,437, Mar. 26, 1929. Republished Feb. 1. Class 39.

French, Shriner & Urner, by French, Shriner & Urner Manufacturing Co., Boston, Mass. Boots and shoes. 262,143, Oct. 1, 1929. Republished Feb. 1. Class 39.

French, Shriner & Urner Manufacturing Co.: *See*—
French, Shriner & Urner.

Friedman, J., & Co., Inc., New York, N. Y. Men's overcoats and top coats. 337,772, Aug. 18, 1936. Republished Feb. 1. Class 39.

General American Transportation Corporation, Chicago, Ill. Cereal grain. 506,352, Feb. 1; Serial No. 558,883, published Oct. 12, 1948. Class 46.

General Food Products Co., Los Angeles, by Glenfield Food Company, San Francisco, Calif. Candy, table syrup, jellies, and peanut butter. 326,848, Aug. 6, 1935. Republished Feb. 1. Class 46.

General Motors Corporation, Detroit, Mich. Railroad passenger cars. 506,230, Feb. 1; Serial No. 535,697, published Oct. 12, 1948. Class 19.

General Register Corporation: *See*—
Automatic Ticket Selling & Cash Register Company.

General Register Corporation, Brooklyn, by General Register Corporation, Long Island City, N. Y. Ticket-issuing machines, ticket printing and issuing machines, and ticket-punching machines and parts thereof. 283,330–40, May 26, 1931. Republished Feb. 1. Class 23.

General Register Corporation, New York, by General Register Corporation, Long Island City, N. Y. Adding machines. 361,767, Nov. 1, 1938. Republished Feb. 1. Class 26.

General Register Corporation, New York, by General Register Corporation, Long Island City, N. Y. Ticket and coupon issuing machines, slot vending machines. 388,084, June 10, 1941. Republished Feb. 1. Class 23.

General Register Corporation, New York, by General Register Corporation, Long Island City, N. Y. Adding machines, taximeters, calculating machines, cash registers. 391,452, Nov. 11, 1941. Republished Feb. 1. Class 26.

General Telephone Directory Company, Long Beach, Calif. Telephone directories. 506,214, Feb. 1; Serial No. 533,728, published Oct. 19, 1948. Class 38.

George Umbrella Co., Inc., New York, N. Y. Umbrellas. 506,353, Feb. 1; Serial No. 501,906. Class 41.

Gibbons, J. T., Inc., New Orleans, La. Corn chops, corn meal, and oats. 506,157, Feb. 1; Serial No. 519,939, published Oct. 19, 1948. Class 46.

Gilbert, S. L., Company, Inc., New York, N. Y. Knitted bathing suits, sweaters, jackets, etc. 506,202, Feb. 1; Serial No. 531,910, published Sept. 28, 1948. Class 39.

Gistitti & Sons, Calif. Fresh grapes. 368,889, July 4, 1939. Republished Feb. 1. Class 46.

Heathcoat, John, & Co., Tiverton, Devon, England. Machine-made lace. 506,293, Feb. 1; Serial No. 544,861, published Oct. 12, 1948. Class 42.

Lee, Frank H., Company, The, Danbury, Conn. Men's soft

Giolitti, A., Sanger, Calif. Fresh grapes. 368,869, July 4, 1939. Republished Feb. 1. Class 46.
Gladstone Case Mfg. Co., Inc., Chicago, Ill. Hand luggage. 506,317–18, Feb. 1; Serial Nos. 549,921–2, published Oct. 19, 1948. Class 3.
Glendora Co-Operative Citrus Association, Glendora, Calif. Fresh citrus fruit. 354,461–2, Feb. 15, 1938. Republished Feb. 1. Class 46.
Glenfield Food Company: *See*—
General Food Products Co.
Golde-Kay Dress Company, New York, N. Y. Women's and misses' dresses. 506,375, Feb. 1; Serial No. 430,641. Class 39.
Goldsmith, Louis, Inc., Philadelphia, Pa. Men's and boys' suits, coats, vests, etc. 506,201, Feb. 1; Serial No. 531,789, published Oct. 19, 1948. Class 39.
Good Luck Glove Company, Carbondale, Ill. Work gloves. 506,180, Feb. 1; Serial No. 529,007, published Oct. 12, 1948. Class 39.
Good Luck Glove Company, Carbondale, Ill. Work gloves. 506,181, Feb. 1; Serial No. 529,018, published Oct. 5, 1948. Class 39.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. 506,182, Feb. 1; Serial No. 529,028, published Oct. 5, 1948. Class 39.
Good Luck Glove Company, Carbondale, Ill. Fabric work gloves. 506,183, Feb. 1; Serial No. 529,030, published Oct. 5, 1948. Class 39.
Goodrich, B. F. Company, The, Akron, Ohio, and New York, N. Y. Coated and impregnated fabrics. 441,953, Feb. 1; Serial No. 511,811, published Oct. 12, 1948. Class 42.
Goodstein, W. H., Millinery Co., Inc., Chicago, Ill. Ladies' hats. 506,298, Feb. 1; Serial No. 545,365, published Oct. 12, 1948. Class 39.
Goodstein, W. H., Millinery Co., Inc., Chicago, Ill. Ladies' hats. 506,299, Feb. 1; Serial No. 545,366, published Oct. 12, 1948. Class 39.
Goodstein, W. H., Millinery Co., Inc., Chicago, Ill. Ladies' hats. 506,300, Feb. 1; Serial No. 545,368, published Oct. 12, 1948. Class 39.
Goodstein, W. H., Millinery Co., Inc., Chicago, Ill. Ladies' hats. 506,301, Feb. 1; Serial No. 545,369, published Oct. 12, 1948. Class 39.
Governor Fastener Company, The, New York, N. Y. Fasteners, supporters, and/or coupling devices. 506,307, Feb. 1; Serial No. 546,492, published Oct. 19, 1948. Class 40.
Grant Paper Box Company, Pittsburgh, Pa. Cartons. 379,903, July 30, 1940. Republished Feb. 1. Class 2.
Great Atlantic & Pacific Tea Company, The, New York, N. Y. Salad dressing. 506,173, Feb. 1; Serial No. 527,384, published Oct. 26, 1948. Class 46.
Great Lakes Dredge & Dock Company, Chicago, Ill. Pile drivers, locomotive cranes, crawler cranes, etc. 248,738, Oct. 30, 1928. Republished Feb. 1. Class 23.
Great Lakes Dredge & Dock Company, Chicago, Ill. Drill boats, derrick boats, dynamite boats, etc. 255,582, Apr. 23, 1929. Republished Feb. 1. Class 19.
Greenberg, Bernard, New York, N. Y. Bow ties. 506,224, Feb. 1; Serial No. 534,983, published Oct. 19, 1948. Class 39.
Greenberg, Charles S., Inc., New York, N. Y. Women's, misses', and children's dresses. 506,229, Feb. 1; Serial No. 535,521, published Oct. 5, 1948. Class 39.
Greenebaum, J., Tanning Co., Chicago, Ill. Sole leather products. 506,212, Feb. 1; Serial No. 533,475, published Sept. 28, 1948. Class 39.
Gulf States Paper Corporation: *See*—
E-Z Opener Bag Company.
Hachmeister Incorporated, Pittsburgh, Pa. Emulsifier of shortening and water. 506,155, Feb. 1; Serial No. 519,751, published Oct. 19, 1948. Class 46.
Hall, J. M.: *See*—
Brogan, Theresa G.
Hallcraft Company, Scarsdale, N. Y. Portable travel cases or holders in the nature of baggage. 506,244, Feb. 1; Serial No. 538,130, published Oct. 19, 1948. Class 3.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Sportswear. 506,196, Feb. 1; Serial No. 531,467, published Oct. 19, 1948. Class 39.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Underwear. 506,197, Feb. 1; Serial No. 531,469, published Oct. 19, 1948. Class 39.
Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear for men, women, and children, and children's sleepers. 506,198, Feb. 1; Serial No. 531,471, published Oct. 19, 1948. Class 39.
Harris, P. E., & Co., Seattle, Wash. Canned fish. 255,737, renewed Apr. 30, 1949. O. G. Feb. 1. Class 46
Hat Corporation of America, Norwalk, Conn Hats and caps for men and women. 506,128, Feb. 1; Serial No. 481,578, published Sept. 28, 1948. Class 39.
Hat Corporation of America, Norwalk, Conn. Caps and hats for men. 506,283, Feb. 1; Serial No. 543,921, published Oct. 19, 1948. Class 39.
Hawk & Buck Co., The, Fort Worth, Tex. Garments. 506,247, Feb. 1; Serial No. 538,408, published Oct. 19, 1948. Class 39.
Haworth, Richard, and Company Limited, Manchester, England. Cotton piece goods. 70,631, Sept. 15, 1908. Amended. O. G. Feb. 1. Class 42.
Heathcoat, John, & Co., Tiverton, Devon, England, assignor to John Heathcoat & Co., Inc., New York, N. Y. Nettings and weilings. 441,974, Feb. 1; Serial No. 519,952, published Sept. 28, 1948. Class 42.
Heathcoat, John, & Co., Inc.: *See*—
Heathcoat, John, & Co.
Hechler Brothers, Incorporated, New York, N. Y. Hearing aid under garments and devices. 355,882, Apr. 5, 1938. Republished Feb. 1. Class 44.
Hedstrom-Union Company, Fitchburg and Gardner, Mass. Fabric for baby carriages. 506,199, Feb. 1; Serial No. 531,473, published Oct. 5, 1948. Class 42.
Heirloom Needlework Guild, Inc., New York, N. Y. Piece goods. 358,955, July 26, 1938. Republished Feb. 1. Class 42.
Heirloom Needlework Guild, Inc., New York, N. Y. Yarn. 370,961, Sept. 12, 1939. Republished Feb. 1. Class 43.
Heirloom Needlework Guild, Inc., New York, N. Y. Wool yarn. 413,179, Apr. 10, 1945. Republished Feb. 1. Class 43.
Heirloom Needlework Guild, Inc., New York, N. Y. Quilts and tops of quilts. 414,008, May 22, 1945. Republished Feb. 1. Class 42.
Heirloom Needlework Guild, Inc., New York, N. Y. Thread. 441,969, Feb. 1; Serial No. 518,223, published Oct. 19, 1948. Class 43.
Heirloom Needlework Guild, Inc., New York, N. Y. Stamped goods for embroidery and sewing needles, crocheting needles, embroidery needles, etc. 506,329, Feb. 1; Serial No. 550,596, published Oct. 19, 1948. Class 40.
Heirloom Needlework Guild, Inc., New York, N. Y. Partly finished needlepoint tapestry and stamped goods. 506,330, Feb. 1; Serial No. 550,597, published Oct. 19, 1948. Class 40.
Heller, Henry B., Corp., St. Louis, Mo. Spot remover. 432,644, Sept. 9, 1947. Republished Feb. 1. Class 4.
Helms Bakeries, Los Angeles, Calif. Bakery goods. 356,709–10, May 10, 1938. Republished Feb. 1. Class 46.
Helms Bakeries, Los Angeles, Calif. Bakery goods. 360,431, Sept. 20, 1938. Republished Feb. 1. Class 46.
Helms Bakeries, Los Angeles, Calif. Bread. 385,838, Mar. 18, 1941. Republished Feb. 1. Class 46.
Herbert Manufacturing Company, St. Paul, Minn. Men's overcoats. 506,241, Feb. 1; Serial No. 537,692, published Oct. 12, 1948. Class 39.
Hercules Powder Company, Wilmington, Del. Magazine (periodical). 506,351, Feb. 1; Serial No. 556,718, published Oct. 19, 1948. Class 38.
Herstein, Dave, Co., Inc., New York, N. Y. Ladies' and misses' hats and leather and fabric gloves. 506,265, Feb. 1; Serial No. 541,839. Class 39.
Hodshon, A. E., Corporation, The, by The Frank H. Lee Company, Danbury, Conn. Men's and women's felt hats. 351,000, Oct. 12, 1937. Republished Feb. 1. Class 39.
Hodshon, A. E., Corp., The, by The Frank H. Lee Company, Danbury, Conn. Hats, hat bodies, hat hoods, etc. 355,435, Mar. 15, 1938. Republished Feb. 1. Class 39.
Hodshon, A. E., Corporation, The, by The Frank H. Lee Company, Danbury, Conn. Men's and women's felt hats. 357,531, June 7, 1938. Republished Feb. 1. Class 39.
Holmes Eureka Lumber Company, Eureka and San Francisco, Calif. Periodical publication. 385,818, Mar. 18, 1941. Republished Feb. 1. Class 38.
Hooven & Allison Company, The, Xenia, Ohio. Rope, binder twine, etc. 506,208, Feb. 1; Serial No. 532,933, published Oct. 19, 1948. Class 7.
Horton Manufacturing Company, The, Bristol, Conn. Fishing-rods. 73,218, re-renewed Mar. 30, 1949. O. G. Feb. 1. Class 22.
Hudson, J. L., Company, The, Detroit, Mich. Men's hats. 506,245, Feb. 1; Serial No. 538,187, published Aug. 10, 1948. Class 39.
Hudson J. L., Company, The, Detroit, Mich. Ladies' and misses' dresses, maids' and nurses' uniforms, smocks, etc. 506,246, Feb. 1; Serial No. 538,138, published Aug. 10, 1948. Class 39.
Hudson Manufacturing Co., Minneapolis, Minn., by New Jersey Machine Corporation, Hoboken, N. J. Sprayers and spraying attachments. 248,305, Oct. 16, 1928. Republished Feb. 1. Class 23.
Hudson Motor Car Company, Detroit, Mich. Transmissions for motor vehicles. 404,353, Nov. 23, 1943. Republished Feb. 1. Class 23.
Huiskamp Brothers Co., Keokuk, Iowa. Women's shoes. 376,721, Apr. 2, 1940. Republished Feb. 1. Class 39.
Huiskamp Bros. Co., Keokuk, Iowa. Women's shoes. 427,705, Feb. 18, 1947. Republished Feb. 1. Class 39.
Huiskamp Brothers Co., Keokuk, Iowa. Women's shoes. 506,243, Feb. 1; Serial No. 537,799, published Oct. 5, 1948. Class 39.
Ideal Publishing Corp., New York, N. Y. Monthly magazine. 441,982, Feb. 1; Serial No. 523,185, published Oct. 5, 1948. Class 38.
Indestructo Trunk & Luggage Co., Mishawaka, Ind. Trunks: hand luggage. 506,319, Feb. 1; Serial No. 549,932, published Oct. 19, 1948. Class 3.
Interstate Cotton Oil Refining Co., by Mrs. Tucker's Foods, Inc., Sherman, Tex. Shortening. 117,868, Aug. 7, 1917. Republished Feb. 1. Class 46.
Irvington Varnish & Insulator Co., Irvington, N. J. Coated glass fiber cloth in the piece. 441,979, Feb. 1; Serial No. 522,097, published Oct. 12, 1948. Class 42.

Jackson Brewing Company, New Orleans, La. Malt syrup. 252,538, renewed Feb. 12, 1949. O. G. Feb. 1. Class 46.
Jacobs Bros., Hoboken, N. J. Infants' and children's wear. 506,185, Feb. 1; Serial No. 529,465, published Oct. 5, 1948. Class 39.
Jefferson Cleaners, South Arlington, Va. Cleaning, pressing, and dyeing of clothing, wearing apparel, and textiles. 506,386, Feb. 1; Serial No. 529,267. Class 55.
Jensen, Peter, Copenhagen, Denmark. Cheese. 506,188, Feb. 1; Serial No. 530,066, published Oct. 5, 1948. Class 46.
Jewett & Sherman Co.: *See*—
Murdock, C. A., Mfg. Co.
Jointless Fire-Brick Co., by Plibrico Jointless Firebrick Company, Chicago, Ill. Fire-resisting cement. 176,070, Nov. 13, 1923. Republished Feb. 1. Class 12.
Jones Knitting Mills, Los Angeles, Calif. Knit goods. 506,220, Feb. 1; Serial No. 534,287, published Oct. 5, 1948. Class 39.
K & S Corset Manufacturing Co., Inc., New York, N. Y. Foundation garments. 506,377, Feb. 1; Serial No. 535,968. Class 39.
Karmelkorn, Corporation: *See*—
O'Sullivan, William C.
Kats Drug Company, Kansas City, Mo. Photographic prints. 506,158, Feb. 1; Serial No. 520,339, published Oct. 5, 1948. Class 38.
Keet & Rountree Dry Goods Co., by Springfield Garment Mfg. Company, Springfield, Mo. Overalls, workshirts, jumpers, etc. 177,965, Jan. 1, 1924. Republished Feb. 1. Class 39.
Kelly Bros., Inc., Lynn, Mass. Shoe polishes, dressings, and cleaners. 245,158, renewed Aug. 7, 1948. O. G. Feb. 1. Class 4.
Kilgore Manufacturing Company, The, Westerville, Ohio. Toy pistols. 179,877, Feb. 19, 1924. Republished Feb. 1. Class 22.
Kilgore Manufacturing Company, The, Westerville, Ohio. Ammunition for toy firearms. 350,166, Sept. 21, 1937. Republished Feb. 1. Class 9.
Kilgore Manufacturing Company, The, Westerville, Ohio. Paper caps for toy firearms. 351,244, Oct. 26, 1937. Republished Feb. 1. Class 9.
Kiplinger Washington Agency, Inc., The, Washington, D. C. Magazine. 506,144, Feb. 1; Serial No. 515,879, published Oct. 19, 1948. Class 38.
Kleinert, I. B., Rubber Company, Inc., New York, N. Y. Bodices. 506,160, Feb. 1; Serial No. 526,616, published Oct. 12, 1948. Class 39.
Klipstein, A., & Company, to American Cyanamid Company, New York, N. Y. Soluble castor oil. 255,382, renewed Apr. 23, 1949. O. G. Feb. 1. Class 6.
Klipstein, A., & Company, to American Cyanamid Company, New York, N. Y. Compound for boiling off cotton piece goods, hosiery, and like articles. 255,657, renewed Apr. 30, 1929. O. G. Feb. 1. Class 6.
Klipstein, A., & Company, to American Cyanamid Company, New York, N. Y. Soluble corn oil. 255,658, renewed Apr. 30, 1949. O. G. Feb. 1. Class 6.
Knapp-Sherrill Company, Donna, Tex. Canned tomato juice and canned grapefruit juice. 433,004, Sept. 23, 1947. Republished Feb. 1. Class 46.
Konidis, Demetrios G., doing business as Calamaki Importing Company, to A. W. Curreri, Brooklyn, N. Y. Olive oil. 241,734, May 8, 1928. New certificate. O. G. Feb. 1. Class 46.
Kreider's, W. L., Sons Mfg. Co. Inc., The, Palmyra, Pa. Infants', children's, misses', and growing girls' shoes. 506,367, Feb. 1; Serial No. 522,637. Class 39.
Kresge, S. S., Company, Detroit, Mich. Woolen yarn and knitting worsted. 506,336, Feb. 1; Serial No. 551,112, published Oct. 26, 1948. Class 43.
Kromer, Esther M., Chicago, Ill. Bed sheets. 506,142, Feb. 1; Serial No. 514,279, published Oct. 12, 1948. Class 42.
Lady America Home Products Co.: *See*—
Bailey, Prihoda & Company.
Landau, Charles P., by Fleming-Hall Tobacco Co., Inc., New York, N. Y. Smoking tobacco. 329,998, Nov. 19, 1935. Republished Feb. 1. Class 17.
Lang-Kohn, Inc., St. Louis, Mo. Girls' and women's dresses, coats, jackets, etc. 506,259, Feb. 1; Serial No. 541,059, published Oct. 19, 1948. Class 39.
Laura Lee Frocks, Inc., St. Louis, Mo. Women's dresses. 506,302, Feb. 1; Serial No. 545,492, published Oct. 12, 1948. Class 39.
Laurel Hosiery Company: *See*—
Weinerth Knitting & Machine Co.
Lee, Frank H., Company: *See*—
Disney Hats.
Hodshon, A. E., Corp., The.
Hodshon, A. E., Corporation, The.
Non-Mercuric Carrot Company.
Non-Mercuric Carrot Company, The.
Lee, Frank H., Company, The, Danbury, Conn. Hats for men and boys. 207,936, Jan. 12, 1926. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's soft and stiff felt hats, straw hats, wool hats and caps. 274,050, Aug. 19, 1930. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's soft and stiff felt hats, straw hats, wool hats and caps. 276,387, Oct. 21, 1930. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's soft and stiff felt hats, straw hats, wool hats, etc. 276,388, Oct. 21, 1930. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. 288,684, Nov. 3, 1931. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. 321,027, Jan. 15, 1935. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. 321,346, Jan. 29, 1935. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's hats. 330,750, Dec. 17, 1935. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's hats. 330,788, Dec. 17, 1935. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. 333,055, Mar. 10, 1936. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt hats. 336,491, July 7, 1936. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's hats. 358,908, July 26, 1938. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's hats. 360,303, Sept. 13, 1938. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's straw, felt and wool hats. 372,299, Oct. 31, 1939. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's straw hats, soft and stiff hats of fur felt, and wool hats. 382,278, Oct. 22, 1940. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's fur felt hats. 384,942, Feb. 11, 1941. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's and women's straw, felt, and wool hats. 387,477, May 20, 1941. Republished Feb. 1. Class 39.
Lee, Frank H., Company, The, Danbury, Conn. Men's fur felt and straw hats and caps. 409,649, Oct. 17, 1944. Republished Feb. 1. Class 39.
Leistner, George W., doing business as The Bookmark, Stockton, Calif. Booklet published recurrently. 441,955, Feb. 1; Serial No. 512,879, published Oct. 19, 1948. Class 38.
Lemieux, Armand J., Corporation, New York, N. Y. Watch cases. 434,844, Dec. 9, 1947. Republished Feb. 1. Class 27.
Lerner Company, The: *See*—
Shelton, Sue, Inc.
Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 506,225, Feb. 1; Serial No. 535,166, published Oct. 19, 1948. Class 39.
Le Roi Hosiery Co. Inc., New York, N. Y. Men's, women's and children's hosiery. 506,226, Feb. 1; Serial No. 535,167, published Oct. 19, 1948. Class 39.
Le Roi Hosiery Co. Inc., New York, N. Y. Hosiery. 506,227, Feb. 1; Serial No. 535,168, published Oct. 19, 1948. Class 39.
Levine, Mike, & Co., New York, N. Y. Ladies' dresses. 506,281, Feb. 1; Serial No. 543,723, published Oct. 5, 1948. Class 39.
Lewis Bolt & Nut Company, Minneapolis, Minn. Journal and bearing protectors. 334,705, May 12, 1936. Republished Feb. 1. Class 23.
Lifton Mfg. Company, The, New York, N. Y. Talking machines, sound boxes, phonographs, talking machine needles. 235,835, renewed Nov. 29, 1947. O. G. Feb. 1. Class 36.
Likins, P. F., Chula Vista, Calif. Fresh vegetables. 433,079, Sept. 23, 1947. Republished Feb. 1. Class 46.
Lincoln Stores, Incorporated, Quincy, Mass. Hosiery. 320,446, Jan. 1, 1935. Republished Feb. 1. Class 39.
Linen Thread Co., Inc., The, New York, N. Y. Thread. 506,217, Feb. 1; Serial No. 534,028, published Oct. 19, 1948. Class 43.
Linen Thread Co., Inc., The, New York, N. Y. Twine. 506,218, Feb. 1; Serial No. 534,037, published Oct. 19, 1948. Class 7.
Lisberg, Harry E., Co., Chicago, Ill. Ladies' and misses' blouses. 441,947, Feb. 1; Serial No. 498,705, published Oct. 19, 1948. Class 39.
Lorillard, P., Company, New York, N. Y. Smoking tobacco. 441,986, Feb. 1; Serial No. 525,619, published Oct. 12, 1948. Class 17.
Macwhythe Company, Kenosha, Wis. Wire rope. 506,331, Feb. 1; Serial No. 550,814, published Oct. 19, 1948. Class 7.
Madison Products Company, Toledo, Ohio. Liquid chemical compound to be applied to trees, etc. 506,382, Feb. 1; Serial No. 543,822. Class 6.
Mahler, Oscar, doing business as The Techema Company, Toronto, Ontario, Canada. Paint remover. 441,943, Feb. 1; Serial No. 492,347, published Sept. 14, 1948. Class 16.
Mallinckrodt Chemical Works, St. Louis, Mo. Agricultural fungicides. 503,467, Oct. 26, 1948. Corrected. O. G. Feb. 1. Class 6.

Mallory, P. R., & Co., Inc.: *See*—
Wilson Works, Inc.
Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoes. 506,189, Feb. 1; Serial No.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks: hand luggage. 506,320–1, Feb. 1; Serial Nos. 549,954–5. published Oct. 19, 1948. Class 3.
Penney, J. G.: *See*—
Robinson & Golluber.
Pepperell Manufacturing Company, Boston, Mass. Piece

Mallory, P. R., & Co., Inc.: *See*—
Mikon Works, Inc.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric power supply devices. 339,145, Aug. 9, 1938. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric current rectifiers, electroplating power supply devices, rectifier-type electroplating units. 362,617, Nov. 22, 1938. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Variable inductance devices, inductive tuning devices, variable inductance tuning devices, etc. 370,327, Aug. 22, 1939. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Rectifier units, portable electric power conversion unit, and other internal combustion engines. 397,785, Sept. 22, 1942. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric cotacting elements. 399,945, Feb. 9, 1943. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Nonferrous alloys and unfinished or partly finished nonferrous metal castings. 403,371, Sept. 21, 1943. Republished Feb. 1. Class 14.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Rectifier power supply units. 405,926, Feb. 29, 1944. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electric contacting elements. 408,003, July 11, 1944. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Copper alloy stock. 408,836, Aug. 29, 1944. Republished Feb. 1. Class 14.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electrical contact elements. 413,408, Apr. 24, 1945. Republished Feb. 1. Class 21.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Electrical contacts. 426,921, Jan. 21, 1947. Republished Feb. 1. Class 21.

Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann, Paris, France. Fabrics. 506,179, Feb. 1; Serial No. 528,872, published Oct. 12, 1948. Class 42.

Markay Bags, Inc., New York, N. Y. Handbags. 506,215, Feb. 1; Serial No. 533,758, published Oct. 19, 1948. Class 3.

Marshall Field & Company, Chicago, Ill. Bath and hand towels, wash cloths, and bath mats. 506,340, Feb. 1; Serial No. 551,905, published Oct. 5, 1948. Class 42.

Massa, G. V., Glove Co., Inc., New York, N. Y. Gloves. 506,357, Feb. 1; Serial No. 510,439. Class 39.

McDermott & Short, by S. McDermott, New York, N. Y. Hosiery. 231,080, Aug. 9, 1927. Republished Feb. 1. Class 39.

McDermott, Stephen: *See*—
McDermott & Short.

McLoughlin Bros., Inc., Springfield, Mass. Series of books printed from time to time. 506,316, Feb. 1; Serial No. 549,348, published Oct. 5, 1948. Class 38.

Mead Johnson & Company, Evansville, Ind. Fish liver oils. 503,231, Oct. 19, 1948. Corrected. O. G. Feb. 1. Class 6.

Mead Johnson & Company, Evansville, Ind. Specially prepared food for infants. 506,147, Feb. 1; Serial No. 516,616, published Oct. 19, 1948. Class 46.

Meier & Frank Co.: *See*—
Meier & Frank Co., Inc.

Meier & Frank Co., Inc., doing business as Meier & Frank Co., Portland, Oreg. Men's clothing. 506,221, Feb. 1; Serial No. 534,646, published Sept. 28, 1948. Class 39.

Meister Brothers, Cleveland, Ohio. Negligees. 440,935, Oct. 12, 1948. Corrected. O. G. Feb. 1. Class 39.

Meredith Publishing Company: *See*—
Successful Farming Publishing Company.

Merry Hull & Company, New York, N. Y. Gloves. 506,192, Feb. 1; Serial No. 530,935, published Sept. 28, 1948. Class 39.

Meyer, August A., doing business as Universal Water Softener Co., Maywood, Ill. Softening material. 222,612, Jan. 4, 1927. Republished Feb. 1. Class 31.

Meyercord Company, The, Chicago, Ill. Decalcomania transfers. 288,931, Nov. 10, 1931. Republished Feb. 1, 1949. Class 38.

Miami Sportswear Co., Miami, Fla. Swim suits, swim shorts, swim and play shorts, etc. 441,948–9, Feb. 1; Serial Nos. 500,994–5, published Oct. 19, 1948. Class 39.

Millard Morris, Inc.: *See*—
Scott, Walda, Originals, Inc.

Milwaukee Glove Company, Milwaukee, Wis. Men's leather dress gloves. 506,383, Feb. 1; Serial No. 548,515. Class 39.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned asparagus. 434,921, Dec. 9, 1947. Republished Feb. 1. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn with peppers. 434,922, Dec. 9, 1947. Republished Feb. 1. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned peas. 434,923, Dec. 9, 1947. Republished Feb. 1. Class 46.

Minnesota Valley Canning Company, Le Sueur, Minn. Canned asparagus. 434,924, Dec. 9, 1947. Republished Feb. 1. Class 46.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Shoes. 506,189, Feb. 1; Serial No. 530,096, published May 25, 1948. Class 39.

Miss Coquette, Inc., New York, N. Y. Ladies' slips, nightgowns, pajamas, etc. 441,944, Feb. 1; Serial No. 494,229, published Oct. 19, 1948. Class 39.

Montebello Wine Co. of California: *See*—
Ehrman Bros., Horn & Co.

Morse, Leopold, Company, Boston, Mass. Men's suits. 380,076, Aug. 6, 1940. Republished Feb. 1. Class 39.

Movado Watch Agency, Inc., New York, N. Y. Watches. 394,067, Mar. 17, 1942. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 394,192, Mar. 24, 1942. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 404,432, Nov. 23, 1943. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 409,380, Oct. 3, 1944. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 415,227, July 31, 1945. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 425,560, Nov. 26, 1946. Republished Feb. 1. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 426,028, Dec. 10, 1946. Republished Feb. 1. Class 27.

Movietonews, Inc.: *See*—
Fox Case Corporation.

Mulrson Label Co., Inc., San Jose, Calif. Food labels. 506,235, Feb. 1; Serial No. 537,066, published Oct. 19, 1948. Class 38.

Murdock, C. A., Mfg. Co., Kansas City, Mo., by Jewett & Sherman Co., Milwaukee, Wis. Prepared mustard and prepared mustard cream salad, and spices. 179,602, Feb. 12, 1924. Republished Feb. 1. Class 46.

Mustato Company, The: *See*—
Rothe, Walter F.

Nash Engineering Company, The, South Norwalk, Conn. Sewage ejectors, bilge pumps, sump pumps, etc. 238,169, Jan. 31, 1928. Republished Feb. 1. Class 23.

Natelson, Alvin, New York, and Amityville, N. Y. Children's pajamas and nightgowns. 506,359, Feb. 1; Serial No. 514,428. Class 39.

National Blouse Corporation, New York, N. Y. Ladies' and misses' blouses. 506,292, Feb. 1; Serial No. 544,899, published Oct. 12, 1948. Class 39.

National Growers & Shippers: *See*—
Sherman, Marty, Company.

National Tea Co., Chicago, Ill. Flavor extracts for food purposes. 441,964, Feb. 1; Serial No. 516,562, published Oct. 12, 1948. Class 46.

Netsky, William, doing business as Susquehanna Waist Company, Upland, Pa. Ladies', misses' and children's sportswear outer garments. 506,309, Feb. 1; Serial No. 546,865, published Oct. 19, 1948. Class 39.

New Century Milling Company, The, by Tex-O-Kan Flour Mills Co., Dallas, Tex. Wheat flour. 47,061, Oct. 24, 1905. Republished Feb. 1. Class 46.

New England Grain Products Co.: *See*—
St. Albans Grain Company.

New Jersey Machine Corporation: *See*—
Hudson Manufacturing Co.

New York Merchandise Co., Inc., New York, N. Y. Safety pins and ordinary pins. 506,193, Feb. 1; Serial No. 531,233, published Oct. 19, 1948. Class 40.

Non-Mercuric Carrot Company, by The Frank H. Lee Company, Danbury, Conn. Fur. 395,993, June 23, 1942. Republished Feb. 1. Class 1.

Non-Mercuric Carrot Company, The, by The Frank H. Lee Company, Danbury, Conn. Chemical solution for the treatment of fur. 393,235, Jan. 27, 1942. Republished Feb. 1. Class 6.

Norton Laboratories Inc., Lockport, N. Y. Boxes. 441,984, Feb. 1; Serial No. 524,884, published Oct. 26, 1948. Class 2.

Nourse Oil Company, Kansas City, Kans. Lubricating oils and lubricating greases. 246,526, Sept. 11, 1928. Republished Feb. 1. Class 15.

Nyanza Color & Chemical Co., Inc., New York, N. Y. Yarn-conditioning oil. 255,674, renewed Apr. 30, 1949. O. G. Feb. 1. Class 6.

Oakley, Clifford H., by Essex Rubber Company, Trenton, N. J. Rubber soles and heels. 79,596, Sept. 20, 1910. Republished Feb. 1. Class 39.

Oceanic Sales Company, Seattle, Wash. Canned salmon. 266,753, Feb. 4, 1930. Republished Feb. 1. Class 46.

Oceanic Sales Co., Seattle, Wash. Canned salmon. 268,247, Mar. 11, 1930. Republished Feb. 1. Class 46.

Olympia Canning Company, Olympia, Wash. Canned fruits, canned vegetables. 254,812, renewed Apr. 2, 1949. O. G. Feb. 1. Class 46.

Orange Belt Fruit Distributors, Pomona, Calif. Fresh lemons. 506,161, Feb. 1; Serial No. 523,002, published Oct. 19, 1948. Class 46.

Orth, Ph., Company, Milwaukee, Wis. Doughnut flour. 441,957, Feb. 1; Serial No. 513,638, published Oct. 12, 1948. Class 46.

Oscap Manufacturing Co., Inc., Baltimore, Md. Jewelry. 506,379, Feb. 1; Serial No. 537,724. Class 28.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks: hand luggage. 506,320–1, Feb. 1; Serial Nos. 549,954–5, published Oct. 19, 1948. Class 3.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Men's hand luggage. 506,322, Feb. 1; Serial No. 549,956, published Oct. 26, 1948. Class 3.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks: hand luggage. 506,323, Feb. 1; Serial No. 549,957, published Oct. 26, 1948. Class 3.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Trunks. 506,324–6, Feb. 1; Serial Nos. 549,958–60, published Oct. 19, 1948. Class 3.

O'Sullivan, William C., doing business as O'Sullivan's, Casper, Wyoming, by Karmelkorn Corporation, Chicago, Ill. Pop-corn candy. 272,775, July 15, 1930. Republished Feb. 1. Class 46.

O'Sullivan's: *See*—
O'Sullivan, William C.

Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. 434,214, Nov. 11, 1947. Republished Feb. 1. Class 46.

Palace Corporation, Flint, Mich. House trailers for automobiles. 506,222, Feb. 1; Serial No. 534,809, published Oct. 12, 1948. Class 19.

Palace Corporation, Flint, Mich. House trailers for automobiles. 506,228, Feb. 1; Serial No. 534,811, published Oct. 12, 1948. Class 19.

Palmer Scott & Company, Inc., New Bedford, Mass. Sail boats. 506,184, Feb. 1; Serial No. 529,191, published Oct. 12, 1948. Class 19.

Pan-Am Foods, Inc.: *See*—
Pan-Am Freezers, Inc.

Pan-Am Freezers, Inc., Brownsville, Tex., now by change of name Pan-Am Foods, Inc. Frozen fruits and vegetables. 506,139, Feb. 1; Serial No. 511,635, published Oct. 19, 1948. Class 46.

Paraffine Companies, Inc, The: *See*—
Plant Rubber & Asbestos Works.
Schumacher Wall Board Corporation.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared floor coverings. 252,677, Feb. 12, 1929. Republished Feb. 1. Class 20.

Paraffine Companies, Inc., The, San Francisco, Calif. Wood-preservative compound, chemical cleaner, and denatured alcohol. 274,202, Aug. 19, 1930. Republished Feb. 1. Classes 4 and 6.

Paraffine Companies, Inc., The, San Francisco, Calif. Dry and ready-mixed paints and paint enamels. 291,006, Jan. 26, 1932. Republished Feb. 1. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Type cleaner. 296,330, Aug. 2, 1932. Republished Feb. 1. Class 4.

Paraffine Companies, Inc., The, San Francisco, Calif. Mulch paper. 296,504, Aug. 9, 1932. Republished Feb. 1. Class 37.

Par-Kay Mills, Inc.: *See*—
Pollack & Katz, Inc.

Parks Hosiery Mills, Inc., by Acme Hosiery Mills, Inc., Asheboro, N. C. Hosiery. 269,359, Apr. 1, 1930. Republished Feb. 1. Class 39.

Parks, T. M., Lompoc, Calif. Fresh vegetables. 315,777, Apr. 7, 1934. Republished Feb. 1. Class 46.

Parks, T. M., Lompoc, Calif. Fresh vegetables. 323,352, Apr. 9, 1935. Republished Feb. 1. Class 46.

Patterson, David S., New Brighton, Pa. Printed window and bulletin board cards and printed motto cards and leaflets. 506,132, Feb. 1; Serial No. 502,530, published Oct. 5, 1948. Class 38.

Paxton, F. H., & Sons: *See*—
Paxton, Frederick H.

Paxton, F. H. & Sons, Inc.: *See*—
Paxton, Frederick H.

Paxton, Frederick H., doing business as F. H. Paxton & Sons, Inc., Chicago, Ill. Sons, to F. H. Paxton & Sons, Inc., Chicago, Ill. Pharmaceutical preparation for the relief of gastric hyperacidities. 255,726, renewed Apr. 30, 1949. O. G. Feb. 1. Class 6.

Peck & Peck, New York, N. Y. Hosiery. 227,527, May 10, 1927. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Piece goods. 302,665, Apr. 25, 1933. Republished Feb. 1. Class 42.

Peck & Peck, New York, N. Y. Hosiery. 303,448, May 23, 1933. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Hosiery. 315,995, Aug. 14, 1934. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Wearing apparel for women. 330,061, Nov. 19, 1935. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Wearing apparel for women. 330,149–51, Nov. 19, 1935. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Pocketbooks, purses, handbags, and bathing bags. 333,290, Mar. 17, 1936. Republished Feb. 1. Class 3.

Peck & Peck, New York, N. Y. Women's dresses and blouses. 334,868, May 19, 1936. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Raincoats. 360,062, Sept. 6, 1938. Republished Feb. 1. Class 39.

Peck & Peck, New York, N. Y. Sweaters. 364,935, Feb. 21, 1939. Republished Feb. 1. Class 39.

Pendleton Woolen Mills, Pendleton and Portland, Oreg. Woolen blankets. 506,303, Feb. 1; Serial No. 545,530, published Oct. 12, 1948. Class 42.

Penney, J. G.: *See*—
Robinson & Golluber.

Pepperell Manufacturing Company, Boston, Mass. Piece goods. 506,341, Feb. 1; Serial No. 552,004, published Oct. 5, 1948. Class 42.

Perfect Belt Manufacturing Company, Atlanta, Ga. Apparel belts, suspenders, and garters. 506,209, Feb. 1; Serial No. 533,110, published Sept. 28, 1948. Class 39.

Permatex Company, Inc., Brooklyn, N. Y. Dry gums and liquid varnishes. 187,883, Aug. 12, 1924. Republished Feb. 1. Class 16.

Permatex Company, Inc., Brooklyn, N. Y. Automobile polishes and furniture polishes. 307,701, Oct. 31, 1933. Republished Feb. 1. Class 16.

Permatex Company, Inc., Brooklyn, N. Y. Gasket shellac compound. 325,086, June 11, 1935. Republished Feb. 1. Class 5.

Permatex Company, Inc., Brooklyn, N. Y. Black top dressing. 331,150, Dec. 31, 1935. Republished Feb. 1. Class 4.

Permatex Company, Inc., Brooklyn, N. Y. Gasket shellac compound. 331,744, Jan. 21, 1936. Republished Feb. 1. Class 5.

Permatex Company, Inc., Brooklyn, N. Y. Polishes and cleaners. 340,931, Nov. 24, 1936. Republished Feb. 1. Class 16.

Peterson, A. E., Mfg. Co., Glendale, Calif. Folding carts for babies. 506,213, Feb. 1; Serial No. 533,612, published Oct. 26, 1948. Class 19.

Pfeiffer, S. Mfg. Co., St. Louis, Mo. Hair and scalp lotion, shampoo, etc. 431,892, Aug. 12, 1947. Republished Feb. 1. Class 6.

Pharis Tire and Rubber Company, The, Newark, Ohio. Tires. 190,296, Oct. 14, 1924. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires. 290,525, Jan. 5, 1932. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires. 298,779, Nov. 8, 1932. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires for vehicles. 318,731, Oct. 30, 1934. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic rubber tires for vehicles. 318,916, Nov. 6, 1934. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 336,271, June 30, 1936. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 352,378, Nov. 30, 1937. Republished Feb. 1. Class 36.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 354,255, Feb. 8, 1938. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 354,645, Feb. 15, 1938. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber-containing pneumatic tires and tubes for vehicle wheels. 361,127, Oct. 11, 1938. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Rubber and rubber-containing pneumatic tires and tubes for vehicle wheels. 390,732, Sept. 30, 1941. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Merchandise display stands, racks, counters, etc. 392,267, Dec. 16, 1941. Republished Feb. 1. Class 32.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 400,774, Mar. 30, 1943. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes for vehicle wheels. 416,781, Sept. 25, 1945. Republished Feb. 1. Class 35.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and inner tubes for pneumatic tires. 419,230, Feb. 5, 1946. Republished Feb. 1. Class 35.

Photoglo Co. of America: *See*—
Tonan, John A.

Pi Beta Phi, Chapin, Ill., doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn. Wooden furniture. 248,756, renewed Oct. 30, 1948. O. G. Feb. 1. Class 32.

Pi Beta Phi, Chapin, Ill., doing business as Pi Beta Phi Settlement School, Gatlinburg, Tenn. Textile goods, certain wooden articles. 248,856, renewed Oct. 30, 1948. O. G. Feb. 1. Classes 2 and 8.

Pi Beta Phi Settlement School: *See*—
Pi Beta Phi.

Pillsbury Flour Mills Company, to Pillsbury Mills, Inc., Minneapolis, Minn. Wheat flour. 239,864, renewed Mar. 13, 1948. O. G. Feb. 1. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pineburst Textiles Inc., Asheboro, N. C. Underwear for women and children. 506,136, Feb. 1; Serial No. 506,894, published Oct. 12, 1948. Class 39.

Pioneer Suspender Company, Philadelphia, Pa. Wallets, bill-folds, key containers, etc. 506,149, Feb. 1; Serial No. 518,969, published Oct. 26, 1948. Class 3.

Pioneer Suspender Company, Philadelphia, Pa. Buckles of non-precious metal. 506,150, Feb. 1; Serial No. 518,971, published Oct. 26, 1948. Class 40.

Pioneer Suspender Company, Philadelphia, Pa. Wallets, bill-folds, key containers, etc. 506,151, Feb. 1; Serial

Regal Publishing Corporation, New York, N. Y. Daily publication. 441,983, Feb. 1; Serial No. 524,155, published Oct. 5, 1948. Class 38.

Regua Manufacturing Co., Inc., Brooklyn, N. Y. Charcoal tablets, ear oil, cubed cigarettes, etc. 255,563, re-

Schloss Bros. & Co. Inc., Baltimore, Md. Men's and young men's topcoats. 506,231, Feb. 1; Serial No. 535,883, published Oct. 19, 1948. Class 39.

Schneierson, I., & Sons, Inc., New York, N. Y. Princess slips, nightgowns, ladies' uniforms, etc. 506,254, Feb. 1;

Staff, Myer, doing business as Dairy Products Co., by Dairy Products Company, Inc. Birmingham, Ala. Dried skimmed milk. 370,675, Sept. 5, 1939. Republished Feb. 1. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill.

Pioneer Suspender Company, Philadelphia, Pa. Buckles of non-precious metal. 506,150, Feb. 1; Serial No. 518,971, published Oct. 26, 1948. Class 40.

Pioneer Suspender Company, Philadelphia, Pa. Wallets, bill-folds, key containers, etc. 506,151, Feb. 1; Serial No. 518,973, published Oct. 26, 1948. Class 3.

Pioneer Suspender Company, Philadelphia, Pa. Buckles of non-precious metal. 506,152, Feb. 1; Serial No. 518,974, published Oct. 26, 1948. Class 40.

Pioneer Suspender Company, Philadelphia, Pa. Wallets, bill-folds, key containers, etc. 506,168, Feb. 1; Serial No. 526,547, published Oct. 26, 1948. Class 3.

Plant Rubber & Asbestos Works, by The Paraffine Companies, Inc., San Francisco, Calif. Thermal insulating materials and pipe coverings. 285,663, Aug. 4, 1931. Republished Feb. 1. Class 12.

Plastic Wire & Cable Corporation, The, Jewett City, Conn. Cord. 441,961, Feb. 1; Serial No. 515,633, published Oct. 19, 1948. Class 7.

Playboy Motor Car Corporation, Buffalo, N. Y. Motor cars. 506,267, Feb. 1; Serial No. 542,166, published Sept. 28, 1948. Class 19.

Plibrico Jointless Firebrick Company: *See*—
Jointless Fire-Brick Co.

Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. 354,205, Feb. 8, 1938. Republished Feb. 1. Class 12.

Plibrico Jointless Firebrick Company, Chicago, Ill. Fire brick. 293,138, Apr. 12, 1932. Republished Feb. 1. Class 12.

Plibrico Jointless Firebrick Company, Chicago, Ill. Fire-resisting cement. 328,433, Sept. 24, 1935. Republished Feb. 1. Class 12.

Plibrico Jointless Firebrick Company, doing business as Fireline Stove and Furnace Lining Company, Chicago, Ill. Asbestos furnace and retort cement. 340,701, Nov. 17, 1936. Republished Feb. 1. Class 12.

Plymouth Cordage Company, Plymouth and North Plymouth, Mass. Fibrous and textile cables, ropes and twines. 506,285, Feb. 1; Serial No. 544,191, published Oct. 19, 1948. Class 7.

Point Adams Packing Co., Hammond, Oreg. Canned salmon. 255,529, renewed Apr. 23, 1949. O. G. Feb. 1. Class 46.

Pollak, Henry, Inc., New York, N. Y. Hat bodies and hats for women and children. 506,255, Feb. 1; Serial No. 540,573, published Aug. 10, 1948. Class 39.

Pollak, Henry, Inc., New York, N. Y. Hat braids. 506,256, Feb. 1; Serial No. 540,577, published Aug. 10, 1948. Class 40.

Pollak, Henry, Inc., New York, N. Y. Tagal braids used for millinery purposes. 506,380, Feb. 1; Serial No. 541,336. Class 40.

Pollak & Katz, Inc., assignor to Par-Kay Mills, Inc., New York, N. Y. Men's, women's, children's and infants' underwear and children's sleeping garments. 441,970, Feb. 1; Serial No. 518,558, published Sept. 28, 1948. Class 39.

Pomona Fruit Growers Exchange, Pomona, Calif. Fresh citrus fruits. 245,832, renewed Aug. 21, 1948. O. G. Feb. 1. Class 46.

Pope's Grill: *See*—
Beam, Victor.

Postum Company, Incorporated, New York, N. Y. Gelatin dessert. 250,035, Nov. 27, 1928. Amended. O. G. Feb. 1. Class 46.

Powell & Campbell, Inc., New York, N. Y. Boots, shoes, slippers, sandals, etc. 506,195, Feb. 1; Serial No. 531,365, published Sept. 28, 1948. Class 39.

Prim Hosiery, Inc.: *See*—
Prim-Era Hosiery Mills, Inc.

Prim-Era Hosiery Mills, Inc., by Prim Hosiery, Inc., Chester, Ill. Ladies' hosiery. 402,749, Aug. 10, 1943. Republished Feb. 1. Class 39.

Princess Peggy, Inc.: *See*—
Chic Manufacturing Co.

Prints-Biederman Company, The, Cleveland, Ohio. Ladies' and misses' coats, suits, dresses, etc. 506,257, Feb. 1; Serial No. 540,587, published Aug. 17, 1948. Class 39.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 435,529, Dec. 30, 1947. Republished Feb. 1. Class 4.

Procter & Gamble Company, The, Cincinnati, Ohio. Edible vegetable fats. 441,975, Feb. 1; Serial No. 520,413, published Oct. 19, 1948. Class 46.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing cleaner, cleanser, and detergent. 502,622, Oct. 5, 1948. Corrected. O. G. Feb. 1. Class 4.

Professional Manufacturing Company, Chicago, Ill. Operating or preparation tables used in the undertaking business. 506,369, Feb. 1; Serial No. 522,743. Class 44.

Purity Cheese Company, Mayville, Wis. Cheese. 506,129, Feb. 1; Serial No. 495,503, published Oct. 19, 1948. Class 46.

Quackenbush Company: *See*—
Allied Stores Corporation.

Rapidol Distributing Corporation, New York, N. Y. Shampoo tint, skin lotion and powder base, etc. 387,538, May 20, 1941. Republished Feb. 1. Class 6.

Rayco Mfg. Co., Paterson, N. J. Automobile seat covers. 506,311, Feb. 1; Serial No. 547,032, published Oct. 12, 1948. Class 19.

Redlands Mutual Orange Association, Redlands, Calif. Fresh citrus fruit. 356,190, Apr. 19, 1938. Republished Feb. 1. Class 46.

Regal Publishing Corporation, New York, N. Y. Daily publication. 441,983, Feb. 1; Serial No. 524,155, published Oct. 5, 1948. Class 38.

Requa Manufacturing Co., Inc., Brooklyn, N. Y. Charcoal tablets, ear oil, cubed cigarettes, etc. 255,583, renewed Apr. 23, 1949. O. G. Feb. 1. Class 6.

Rhee Elastic Thread Corporation, Warren, R. I. Rubber threads. 506,334, Feb. 1; Serial No. 551,044, published Oct. 26, 1948. Class 43.

Riegel Textile Corporation, New York, N. Y. Pillow cases. 506,332, Feb. 1; Serial No. 550,831, published Sept. 28, 1948. Class 42.

Rising, B. D., Paper Company, to Rising Paper Company, Housatonic, Mass. Index, pasted, and wedding bristols, bond, ledger, and wedding papers. 239,561, renewed Mar. 6, 1948. O. G. Feb. 1. Class 37.

Rising Paper Company: *See*—
Rising, B. D., Paper Company.

Riverside Heights Orange Growers Association, The, Riverside, Calif. Fresh citrus fruits. 285,604, July 28, 1931. Republished Feb. 1. Class 46.

Riverside Heights Orange Growers Association, The, Riverside, Calif. Fresh citrus fruit. 366,345, Apr. 11, 1939. Republished Feb. 1. Class 46.

Robinson & Golluber, to J. C. Penney Company, New York, N. Y. Cotton piece goods. 249,089, renewed Nov. 6, 1948. O. G. Feb. 1. Class 42.

Rolls Razor, Inc.: *See*—
Rolls Razor (1927) Limited.

Rolls Razor (1927) Limited, London, England, to Rolls Razor, Inc., New York, N. Y. Safety razors. 252,695, renewed Feb. 12, 1949. O. G. Feb. 1. Class 23.

Roman Stripe Hosiery: *See*—
Chipman Knitting Mills.

Ronan, John A., doing business as Photoglo Co. of America, New York, N. Y. Photographic prints. 506,133, Feb. 1; Serial No. 503,675, published Oct. 5, 1948. Class 38.

Rossiter, Milton A., doing business as Brawley Drug Co., Brawley, Calif. Medicinal preparation for the prevention of nausea. 506,360, Feb. 1; Serial No. 515,846. Class 6.

Roth, Walter F., doing business as The Mustato Company, Washington, D. C. Sauce made of tomatoes and spices. 441,965, Feb. 1; Serial No. 516,921, published Oct. 12, 1948. Class 46.

Royal Society, Inc., New York, N. Y. Knitting pins, crochet hooks, afghan hooks, etc. 506,327–8, Feb. 1; Serial Nos. 550,555–6, published Oct. 19, 1948. Class 40.

Royster, F. S., Guano Co., Norfolk, Va. Guano. 45,145, Aug. 8, 1905. Republished Feb. 1. Class 10.

Ruud Manufacturing Company, by Ruud Manufacturing Company, Pittsburgh, Pa. Instantaneous automatic water heaters and storage systems. 99,501, Sept. 1, 1914. Republished Feb. 1. Class 34.

S. & G. Rubber Company, Inc., New York, N. Y. Combs. 506,242, Feb. 1; Serial No. 537,735, published Oct. 19, 1948. Class 40.

S. & S. Undergarment Company, New York, N. Y. Ladies' undergarments. 506,261, Feb. 1; Serial No. 541,342, published Oct. 12, 1948. Class 39.

S. & S. Undergarment Company, New York, N. Y. Children's undergarments. 506,297, Feb. 1; Serial No. 545,301, published Oct. 12, 1948. Class 39.

S. U. Carburetter Company, Limited, The, Birmingham, England. Carburetters and fuel pumps for engines. 359,817, Aug. 30, 1938. Republished Feb. 1. Class 23.

Sage, Edwin R., doing business as Sage Industries, Huntington Park, Calif. Hat band pins and hat retainers. 506,376, Feb. 1; Serial No. 532,163. Class 40.

Sage Industries: *See*—
Sage, Edwin R.

Sager, Barbara A., doing business as Sager Enterprises, West McHenry, Ill. Sanitary napkin disposal pouches. 506,137, Feb. 1; Serial No. 509,374, published Oct. 19, 1948. Class 2.

Sager Enterprises: *See*—
Sager, Barbara A.

St. Albans Grain Company, St. Albans, Vt., to New England Grain Products Co., Yarmouth, Maine. Horse feed. 247,332, renewed Sept. 25, 1948. O. G. Feb. 1. Class 46.

St. Albans Grain Company, St. Albans, Vt., to New England Grain Products Co., Yarmouth, Maine. Feed for dairy stock. 249,733, renewed Nov. 20, 1948. O. G. Feb. 1. Class 46.

Sauerman Bros., Inc., Chicago, Ill. Wire cable. 506,172, Feb. 1; Serial No. 527,140, published Oct. 19, 1948. Class 7.

Savannah Truckers Exchange, Savannah, Ga., by J. L. Budreau & Co., Presque Isle, Maine. Fresh vegetables. 175,121, Oct. 30, 1923. Republished Feb. 1. Class 46.

Scharf Brenner Manufacturing Company, Philadelphia, Pa. Junior misses' dresses. 506,238, Feb. 1; Serial No. 537,365, published Sept. 7, 1948. Class 39.

Schaufler, Ernst, Reutlingen, Germany, to R. B. Semler, Inc., New Canaan, Conn. Hair tonic. 249,390, renewed Nov. 13, 1948. O. G. Feb. 1. Class 6.

Scherl & Roth, Inc., New York, N. Y., assignor to Scherl & Roth, Inc., by Scherl & Roth, Inc., Cleveland, Ohio. Cornets, trumpets, trombones, etc. 338,822, Sept. 15, 1936. Republished Feb. 1. Class 36.

Scherrer, E. C., Inc., New York, N. Y. Synthetic straw braids used in the manufacture of hat bodies. 505,178, Feb. 1; Serial No. 528,648, published Jan. 20, 1948. Class 40.

Schloss Bros. & Co. Inc., Baltimore, Md. Men's and young men's topcoats. 506,231, Feb. 1; Serial No. 535,883, published Oct. 19, 1948. Class 39.

Schnelerson, L., & Sons, Inc., New York, N. Y. Princess slips, nightgowns, ladies' uniforms, etc. 506,254, Feb. 1; Serial No. 540,460, published Sept. 28, 1948. Class 39.

Schulman, Mike, Inc., New York, N. Y. Underwear for infants, children, and women. 506,288, Feb. 1; Serial No. 544,467, published Oct. 19, 1948. Class 39.

Schumacher, H. H., Alhambra, Calif. Honey. 310,328, Feb. 20, 1934. Republished Feb. 1. Class 46.

Schumacher, H. H., Alhambra, Calif. Honey. 311,152, Mar. 13, 1934. Republished Feb. 1. Class 46.

Schumacher, H. H., Alhambra, Calif. Honey. 359,173, Aug. 9, 1938. Republished Feb. 1. Class 46.

Schumacher Wall Board Corporation, Los Angeles, by The Paraffine Companies, Inc., San Francisco, Calif. Construction material. 256,423, May 14, 1929. Republished Feb. 1. Class 12.

Schwarz, Samuel, to Victoria Chemical Co., Newark, N. J. Insecticide and vermin destroyer. 73,302, re-renewed Apr. 6, 1949. O. G. Feb. 1. Class 6.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece made of rayon, and of rayon and acetate. 506,347–8, Feb. 1; Serial No. 553,403–4, published Oct. 5, 1948. Class 42.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece made of rayon. 506,349, Feb. 1; Serial No. 553,406, published Oct. 5, 1948. Class 42.

Schwarzenbach-Huber Company, The, New York, N. Y. Broad silks in the piece. 506,350, Feb. 1; Serial No. 553,407, published Oct. 5, 1948. Class 42.

Schwarzwaelder Company, The, Philadelphia, Pa. Cloths and worsteds for garments. 72,292, Jan. 12, 1909. Republished Feb. 1. Class 42.

Scott, Walda, Originals, Inc., assignee of Morris Millard, Inc., New York, N. Y. Women's coats and suits. 506,354, Feb. 1; Serial No. 505,310. Class 39.

Scranton Lace Company, The, Scranton, Pa. Window curtains, table covers, furniture scarfs, and piece goods. 506,174, Feb. 1; Serial No. 527,654, published Oct. 5, 1948. Class 42.

Seely Shoulder Pad Corporation, New York, N. Y. Forms for combination with garments to mold and shape the figure wearing the garment, shoulder pads, dress shields, etc. 441,967, Feb. 1; Serial No. 517,927, published Oct. 19, 1948. Class 40.

Semet-Solvay Company, by Semet-Solvay Company, New York, N. Y., now by merger Allied Chemical & Dye Corporation. Coke. 425,584, Nov. 26, 1946. Republished Feb. 1. Class 1.

Semler, R. B., Inc.: *See*—
Schaufler, Ernst.

Sensenbrenner, A., Sons, Los Angeles, Calif. Cigars. 370,621, Aug. 29, 1939. Republished Feb. 1. Class 17.

Seva Record Corporation, New York, N. Y. Mechanically grooved phonograph records. 441,977, Feb. 1; Serial No. 521,539, published Oct. 26, 1948. Class 36.

Seymour-Avery Manufacturing Company, Chicago, Ill. Ladies' slips. 506,378, Feb. 1; Serial No. 537,367. Class 39.

Shelton, Sue, Inc., Shelton, Conn., and New York, N. Y., assignor to The Lerner Company, New York, N. Y. Ladies', misses', and girls' sweaters, knitted dresses, and jackets. 506,290, Feb. 1; Serial No. 544,783, published Oct. 5, 1948. Class 39.

Sherman Bros., to Sherman Bros., Inc., New York, N. Y. Raincoats for men, women, and children. 249,857, renewed Nov. 20, 1948. O. G. Feb. 1. Class 39.

Sherman Bros., Inc.: *See*—
Sherman Bros.

Sherman, Marty, Company, El Centro, Calif., assignee of National Growers & Shippers. Fresh vegetables. 506,148, Feb. 1; Serial No. 518,359, published Oct. 19, 1948. Class 46.

Simon & Mogilner, St. Paul, Minn. Infants' and children's garments. 506,304, Feb. 1; Serial No. 545,653, published Oct. 12, 1948. Class 39.

Simonin's, C. F., Sons, Inc., Philadelphia, Pa. Edible vegetable oil. 441,968, Feb. 1; Serial No. 517,928, published Oct. 19, 1948. Class 46.

Smartbilt, Inc., New York, N. Y. Women's and misses' dresses and suits. 441,987, Feb. 1; Serial No. 494,135. Class 39.

Smith, Irene F., Hyattsville, Md. Series of published translations. 441,985, Feb. 1; Serial No. 525,508, published Oct. 5, 1948. Class 38.

Southern Waste Material Company, Inc., Dallas, Tex. Wiping, cleaning, and polishing rags. 506,278, Feb. 1; Serial No. 548,230, published Sept. 28, 1948. Class 42.

Spear Box Company Incorporated, New York, N. Y. Paper boxes; folding boxes of chipboard, cardboard, and corrugated boxes. 506,205, Feb. 1; Serial No. 532,065, published Oct. 26, 1948. Class 2.

Spielmann, Hermann, & Son, Inc., New York, N. Y. Neckties. 506,141, Feb. 1; Serial No. 512,589, published Sept. 28, 1948. Class 39.

Spool Cotton Company, The, New York, N. Y. Thread and yarn. 506,335, Feb. 1; Serial No. 551,058, published Oct. 26, 1948. Class 43.

Springfield Garment Mfg. Company: *See*—
Keet & Rountree Dry Goods Co.

Staff, Myer, doing business as Dairy Products Co., by Dairy Products Company, Inc. Birmingham, Ala. Dried skimmed milk. 370,675, Sept. 5, 1939. Republished Feb. 1. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Lecithin concentrate. 506,159, Feb. 1; Serial No. 520,360, published Oct. 19, 1948. Class 46.

Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Thread. 506,176, Feb. 1; Serial No. 528,124, published Oct. 19, 1948. Class 43.

Standard-Coosa-Thatcher Company, Chattanooga, Tenn. Thread. 506,177, Feb. 1; Serial No. 528,137, published Oct. 19, 1948. Class 43.

Standard Milling Company, Chicago, Ill. Flour mixes. 506,154, Feb. 1; Serial No. 519,352, published Oct. 19, 1948. Class 46.

Stearns & Foster Company, The, Lockland, Ohio. Cotton batting. 246,470, Sept. 11, 1928. Republished Feb. 1. Class 1.

Stein Bros. Mfg. Co., Chicago, Ill. Two-suiters and companion bags; and ladies' luggage. 506,284, Feb. 1; Serial No. 544,002, published Oct. 19, 1948. Class 3.

Sterling Motor Truck Company, Inc., West Allis, Wis. Motor trucks. 506,191, Feb. 1; Serial No. 530,587, published Oct. 12, 1948. Class 19.

Stewart-Warner Corporation: *See*—
Bassick Manufacturing Company, The.

Stonecutter Mills Corporation, New York, N. Y. Piece goods. 506,253, Feb. 1; Serial No. 540,334, published Sept. 28, 1948. Class 42.

Storyk Blouses, Inc., New York, N. Y. Women's, misses', and children's and infants' wearing apparel. 506,138, Feb. 1; Serial No. 511,041, published Oct. 5, 1948. Class 39.

Strand Fisheries: *See*—
Strand, Gus.

Strand, Gus, doing business as Strand Fisheries, Aberdeen, Wash. Canned clams, canned crabmeat, canned salmon, and canned tuna. 506,134, Feb. 1; Serial No. 503,952, published Oct. 19, 1948. Class 46.

Stunsi Sons Silk Company, Inc., New York, N. Y. Fabrics in the piece. 506,249, Feb. 1; Serial No. 538,824, published Sept. 28, 1948. Class 42.

Successful Farming Publishing Company, to Meredith Publishing Company, Des Moines, Iowa. Monthly newspaper. 61,626, Mar. 26, 1907. New certificate. O. G. Feb. 1. Class 38.

Suisun Valley Fruit Grower's Association, Suisun, Calif. Fresh fruits. 236,738, renewed Dec. 20, 1947. O. G. Feb. 1. Class 46.

Sunitogs of California, San Francisco, Calif. Unit assembly consisting of ready cut material, stamped design, embroidery thread, and sewing guide chart. 441,952, Feb. 1; Serial No. 510,284, published Oct. 12, 1948. Class 39.

Sunset Oil Company, Los Angeles, Calif. Motor fuel oils. 361,442, Oct. 18, 1938. Republished Feb. 1. Class 15.

Superior Manufacturing Company, The, Fitchburg, Mass. Insulated staples. 282,564, Apr. 21, 1931. Republished Feb. 1. Class 21.

Supreme Olive Oil Corporation, San Francisco, Calif. Canned fruits, canned olives, olive oil, etc. 357,560, June 7, 1938. Republished Feb. 1. Class 46.

Susquehanna Waist Company: *See*—
Netzky, William.

Sylmar Packing Corporation, Los Angeles, Calif. Vegetable oils for food purposes, canned and bottled fruits and vegetables, etc. 355,858, Apr. 5, 1938. Republished Feb. 1. Class 46.

Taylor, H. P., Jr., Inc., Richmond, Va. Canned fruits and vegetables, canned fish roe and canned shellfish, etc. 336,457, July 7, 1936. Republished Feb. 1. Class 46.

Teague-McKevett Association, Santa Paula, Calif. Fresh citrus fruit. 370,116–17, Aug. 15, 1939. Republished Feb. 1. Class 46.

Techema Company, The: *See*—
Mahler, Oscar.

Teen-Timers, Inc., New York, N. Y. Dresses for girls. 506,167, Feb. 1; Serial No. 526,520, published Feb. 17, 1948. Class 39.

Terry-Ann Sportswear Co., New York, N. Y. Ladies' and misses' lounging robes, bath robes, slacks, etc. 506,228, Feb. 1; Serial No. 535,435, published Oct. 19, 1948. Class 39.

Terrytoons, Inc., New Rochelle, N. Y. Motion picture films. 425,600, Nov. 26, 1946. Republished Feb. 1. Class 26.

Terrytoons, Inc., New Rochelle, N. Y. Motion picture films. 433,330, Oct. 7, 1947. Republished Feb. 1. Class 26.

Texas Star Flour Mills, by Texas Star Flour Mills, Galveston, Tex. Wheat flour. 77,343, Mar. 29, 1910. Republished Feb. 1. Class 46.

Tex-O-Kan Flour Mills Co.: *See*—
New Century Milling Company, The.

Timken-Detroit Axle Company, The, Detroit, Mich. Axles for motor vehicles; brake assemblies and structural parts thereof. 506,200, Feb. 1; Serial No. 531,545, published Oct. 12, 1948. Class 19.

Titan Valve and Manufacturing Company, The, Cleveland, Ohio. Thermostatic valves for hot water heaters and the like. 394,470, Apr. 7, 1942. Republished Feb. 1. Class 26.

Tobacco By-Products and Chemical Corporation, Louis-

Weber Medical Tea Company, The, Brooklyn, N. Y. Laxa-

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Tobacco extracts and nicotine solutions and compounds. 266,166, Jan. 14, 1930. Republished Feb. 1. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Tobacco extracts and nicotine solutions and compounds. 266,175, Jan. 14, 1930. Republished Feb. 1. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Parasiticides for poultry, veterinary, and insecticide purposes. 332,838, Feb. 25, 1936. Republished Feb. 1. Class 6.

Tobacco By-Products and Chemical Corporation, Louisville, Ky. Machines for vaporising and applying insecticidal sprays. 352,421, Nov. 30, 1937. Republished Feb. 1. Class 23.

Todd, E. M., Co., Richmond, Va. Packing house products. 301,810, Mar. 14, 1933. Republished Feb. 1. Class 46.

Transparent-Wrap Machine Corporation, New York, N. Y. Packaging machines. 335,751, June 16, 1936. Republished Feb. 1. Class 23.

Traum, David Company, Incorporated: *See*—
Dritz-Traum Co.
Dritz-Traum Company, Inc.

Traum, David Company, Incorporated, New York, N. Y. Slide fasteners. 422,034, June 25, 1946. Republished Feb. 1. Class 13.

Trico Products Corporation, Buffalo, N. Y. Windshield wiper blades and arms. 506,313, Feb. 1; Serial No. 547,295, published Oct. 26, 1948. Class 19.

Triple W Products Co.: *See*—
Wright, Harold L.

Tri-Star Hosiery Co., New York, N. Y. Hosiery. 322,781, Mar. 19, 1935. Republished Feb. 1. Class 39.

Tri-Star Hosiery Co., New York, N. Y. Hosiery, underwear, and lingerie for ladies. 405,049, Jan. 4, 1944. Republished Feb. 1. Class 39.

Tri-Star Hosiery Co., New York, N. Y. Underwear and lingerie for ladies' wear. 405,467, Feb. 1, 1944. Republished Feb. 1. Class 39.

Tropic-Aire, Incorporated, Chicago, Ill. Air heating, air cooling, and ventilating units for motor vehicles. 363,646, Jan. 3, 1939. Republished Feb. 1. Class 19.

Truax-Traer Coal Company: *See*—
West Virginia Southern Coal Company.

Tucker's, Mrs., Foods, Inc.: *See*—
Interstate Cotton Oil Refining Co.

U. S. Fiber & Plastics Corp., Stirling, N. J. Kitchen aprons. 441,951, Feb. 1; Serial No. 510,136, published Oct. 19, 1948. Class 39.

U. S. Industrial Chemicals, Inc., New York, N. Y. Periodical publication. 506,295, Feb. 1; Serial No. 545,055, published Sept. 21, 1948. Class 38.

U. S. Tool & Mfg. Co., Chicago, Ill. Automotive equipment and accessories. 506,262, Feb. 1; Serial No. 541,361, published Oct. 26, 1948. Class 19.

Up-Kit Company, San Francisco, Calif. Ladies' travelling bags. 506,153, Feb. 1; Serial No. 519,238, published Oct. 19, 1948. Class 3.

Upland Lemon Growers Association, Upland, Calif. Fresh citrus fruit. 350,295, Sept. 21, 1937. Republished Feb. 1. Class 46.

Universal Water Softener Co.: *See*—
Meyer, August A.

Van Raalte Company, Inc., New York, N. Y. Women's hosiery and underwear. 506,203, Feb. 1; Serial No. 531,964, published Mar. 23, 1948. Class 39.

Victoria Chemical Co.: *See*—
Schwarz, Samuel.

Victoria Juniors, New York, N. Y. Misses' and junior misses' coats, suits, jackets, etc. 441,976, Feb. 1; Serial No. 520,574, published Oct. 5, 1948. Class 39.

Voigt Milling Company, Grand Rapids, Mich. Wheat flour. 366,442, Apr. 11, 1939. Republished Feb. 1. Class 46.

Voigt Milling Company, Grand Rapids, Mich. Cake flour. 398,359, Oct. 27, 1942. Republished Feb. 1. Class 46.

Wagner, Marcel Glove Co., New York, N. Y. Men's and ladies' gloves. 506,190, Feb. 1; Serial No. 530,826, published Oct. 5, 1948. Class 39.

Walgreen Co., Chicago, Ill. Fluid for cigarette lighters. 248,312, Oct. 16, 1928. Republished Feb. 1. Class 6.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Men's trousers. 355,248, Mar. 8, 1938. Republished Feb. 1. Class 39.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Benches, desks, chests, dressers, etc. 368,313 June 13, 1939. Republished Feb. 1. Class 32.

Wanamaker John, Philadelphia, Philadelphia, Pa. Misses' and women's dresses, coats, suits, and hats. 407,242, May 23, 1944. Republished Feb. 1. Class 39.

Warren Featherbone Company, The, Three Oaks, Mich. Safety pins. 506,339, Feb. 1; Serial No. 551,705, published Oct. 19, 1948. Class 40.

Washington Canners Cooperative, Vancouver, Wash. Canned fruits. 506,206, Feb. 1; Serial No. 532,384, published July 27, 1948. Class 46.

Watterworth Corporation, The, Detroit, Mich. Chemical compound used for cleaning drains and sewers. 506,368, Feb. 1; Serial No. 522,676. Class 6.

Weber Medical Tea Company, The, Brooklyn, N. Y. Laxative preparations. 249,229, renewed Nov. 13, 1948. O. G. Feb. 1. Class 6.

Weinerth Knitting & Machine Co., to Laurel Hosiery Company, Reading, Pa. Knitted underwear and hosiery. 252,197, renewed Jan. 29, 1949. O. G. Feb. 1. Class 39.

Wenatchee Jim Hill Growers, Inc., now by change of name, Apple Capital Growers, Inc., by Apple Capital Growers, Inc., Wenatchee, Wash. Fresh deciduous fruits. 325,302, June 18, 1935. Republished Feb. 1. Class 46.

Wendell, Incorporated, Los Angeles, Calif. Hosiery. 506,165, Feb. 1; Serial No. 525,468, published Sept. 28, 1948. Class 39.

Wendt, Ivar: *See*—
Wendt, Ivar C. H.

Wendt, Ivar C. H., doing business as Ivar Wendt, Seattle, Wash. Canned oysters and canned salmon. 385,696, Mar. 11, 1941. Republished Feb. 1. Class 46.

Wennonah Cotton Mills Company, Lexington, N. C. Ticking, sold in the piece. 506,346, Feb. 1; Serial No. 553,228, published Oct. 5, 1948. Class 42.

Western Garment Company, St. Louis, Mo. Women's outer coats, and suits. 506,286, Feb. 1; Serial No. 544,235, published Oct. 19, 1948. Class 39.

Western United Distributors, San Francisco, Calif. Brandy. 430,950, July 1, 1947. Republished Feb. 1. Class 49.

Westfield Manufacturing Company, The, Westfield, Mass. Bicycles. 506,279–80, Feb. 1; Serial Nos. 543,551–2, published Oct. 26, 1948. Class 19.

West Virginia Southern Coal Company, Huntington, W. Va., to Truax-Traer Coal Company, Chicago, Ill. Coal. 248,016, renewed Oct. 16, 1948. O. G. Feb. 1. Class 1.

Whitehouse Manufacturing Company, by Whitehouse Manufacturing Company, Inc., Chicago, Ill. Ladies' and men's washable cotton work uniforms. 396,091, June 30, 1942. Republished Feb. 1. Class 39.

Whitehouse Manufacturing Company, Inc.: *See*—
Whitehouse Manufacturing Company.

Whitmore, Bertha L., doing business as Whitmore Manufacturing Co., Jackson, Tenn. Scalp oils. 506,374, Feb. 1; Serial No. 525,728. Class 6.

Whitmore Manufacturing Co.: *See*—
Whitmore, Bertha L.

Whiz Fish Products Company: *See*—
Alhadeff, Nessim.

Whiz Fish Products Company, Inc.: *See*—
Alhadeff, Nessim.

Wiesen, Moe: *See*—
Feinberg, Moe.

Williams-Newton Company, Incorporated, Los Angeles, Calif. Fresh avocados and fresh vegetables. 434,977, Dec. 9, 1947. Republished Feb. 1. Class 46.

Wilton Manufacturing Company, Philadelphia, Pa. Pajamas. 506,211, Feb. 1; Serial No. 533,220, published Sept. 14, 1948. Class 39.

Wimelbacher & Rice Inc., New York, N. Y. Fabric and leather gloves. 506,250, Feb. 1; Serial No. 538,999, published Sept. 28, 1948. Class 39.

Wimelbacher & Rice Inc., New York, N. Y. Ladies' leather and fabric gloves. 506,251, Feb. 1; Serial No. 539,000, published Sept. 28, 1948. Class 39.

Wimelbacher & Rice Inc., New York, N. Y. Ladies' leather and fabric gloves. 506,252, Feb. 1; Serial No. 539,002, published Sept. 28, 1948. Class 39.

Windsor Hats (Proprietory) Limited, Johannesburg, Transvaal, Union of South Africa. Hats of all kinds. 506,166, Feb. 1; Serial No. 526,175, published Sept. 28, 1948. Class 39.

Wolff, Alice F., Brooklyn, N. Y. Cotton goods in the piece. 506,337, Feb. 1; Serial No. 551,674, published Sept. 28, 1948. Class 42.

Wooster Brush Company, The, Wooster, Ohio. Paintbrushes. 222,636, Jan. 4, 1927. Republished Feb. 1. Class 29.

Wooster Brush Company, The, Wooster, Ohio. Paint and varnish brushes. 299,320, Nov. 29, 1932. Republished Feb. 1. Class 29.

Wright, Harold L., doing business as Triple W Products Co., Los Angeles, Calif. Prepared feed for poultry and live stock. 441,956, Feb. 1; Serial No. 513,089, published Sept. 28, 1948. Class 46.

York Street Flax Spinning Co. Limited, Belfast, Ireland. Linen small wares. 506,293, Feb. 1; Serial No. 544,956, published Oct. 12, 1948. Class 42.

Young's Speedy Shoes, Inc., Los Angeles, Calif. Boots, shoes, and slippers. 506,175, Feb. 1; Serial No. 527,984, published Sept. 28, 1948. Class 39.

Youthcraft Manufacturing Co., Kansas City, Mo. Women's, misses', and children's coats and suits. 506,130, Feb. 1; Serial No. 495,562, published Oct. 5, 1948. Class 39.

Zell Bros., Portland, Oreg. Sterling silver knives, forks, spoons, etc. 418,249, Dec. 11, 1945. Republished Feb. 1. Class 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Bituminous material, Liquid. The Barrett Company. 172,214, Aug. 28, 1923. Amended. O. G. Feb. 1.

Bituminous material, Solid. The Barrett Company. 172,213, Aug. 28, 1923. Amended. O. G. Feb. 1.

Coal. West Virginia Southern Coal Company. 248,016, renewed Oct. 16, 1948. O. G. Feb. 1.

Coke. Semet-Solvay Company. 425,584, Nov. 26, 1946. Republished Feb. 1.

Cotton batting. The Stearns & Foster Company. 246,470, Sept. 11, 1928. Republished Feb. 1.

Fur. Non-Mercuric Carrot Company. 395,993, June 23, 1942. Republished Feb. 1.

CLASS 2

Bags, Paper. The Craft Bag Corporation. 506,287, Feb. 1; Serial No. 544,327, published Oct. 12, 1948.

Bags, Paper. E-Z Opener Bag Company. 73,817–19, May 25, 1909. Republished Feb. 1.

Bags, Paper. E-Z Opener Bag Company. 73,834–6, May 25, 1909. Republished Feb. 1.

Bags, Paper. E-Z Opener Bag Company. 73,838, May 25, 1909. Republished Feb. 1.

Bags, Paper. E-Z Opener Bag Company. 227,085, Apr. 26, 1927. Republished Feb. 1.

Bags, Paper. E-Z Opener Bag Company. 229,665, July 5, 1927. Republished Feb. 1.

Bags, Paper. E-Z Opener Bag Company. 309,484, Jan. 16, 1934. Republished Feb. 1.

Boxes. Norton Laboratories Inc. 441,984, Feb. 1; Serial No. 524,884, published Oct. 26, 1948.

Boxes; folding boxes of chipboard, cardboard, and corrugated boxes. Paper. Spear Box Company, Incorporated. 506,205, Feb. 1; Serial No. 532,065, published Oct. 26, 1948.

Burial vaults. Century Burial Vault Co. 441,959, Feb. 1; Serial No. 514,250, published Oct. 26, 1948.

Cartons. Grant Paper Box Company. 379,903, July 30, 1940. Republished Feb. 1.

Disposal pouches, Sanitary napkin. B. A. Sager. 506,137, Feb. 1; Serial No. 509,374, published Oct. 19, 1948.

Textile goods, certain wooden articles. Pi Beta Phi. 248,856, renewed Oct. 30, 1948. O. G. Feb. 1.

CLASS 3

Bags, Fancy. Dritz-Traum Co. 164,375, Feb. 20, 1923. Republished Feb. 1.

Bags, Two-suiter and companion; and ladies' luggage. Stein Bros. Mfg. Co. 506,284, Feb. 1; Serial No. 544,002, published Oct. 19, 1948.

Billfolds. Buxton, Incorporated. 506,268, Feb. 1; Serial No. 543,091, published Oct. 19, 1948.

Cases or holders in the nature of baggage, Portable travel. Hallcraft Company. 506,244, Feb. 1; Serial No. 538,130, published Oct. 19, 1948.

Handbags. Markay Bags, Inc. 506,215, Feb. 1; Serial No. 533,758, published Oct. 19, 1948.

Handbags and pocketbooks. Brosseau & Company, Inc. 506,314, Feb. 1; Serial No. 547,823, published Oct. 19, 1948.

Luggage, Hand. Gladstone Case Mfg. Co., Inc. 506,317–18, Feb. 1; Serial Nos. 549,921–2, published Oct. 19, 1948.

Luggage, Men's hand. Oshkosh Trunks and Luggage. 506,322, Feb. 1; Serial No. 549,956, published Oct. 26, 1948.

Pocketbooks, purses, handbags, and bathing bags. Peck & Peck. 333,290, Mar. 17, 1936. Republished Feb. 1.

Purses and billfolds. Enger-Kress Company. 506,366, Feb. 1; Serial No. 520,205.

Suit cases, traveling bags, portfolios, etc. Crouch & Fitzgerald Corporation. 506,296, Feb. 1; Serial No. 545,242, published Oct. 19, 1948.

Travelling bags, Ladies'. Up-Kit Company. 506,153, Feb. 1; Serial No. 519,238, published Oct. 19, 1948.

Trunks. Oshkosh Trunks and Luggage. 506,324–6, Feb. 1; Serial Nos. 549,958–60, published Oct. 19, 1948.

Trunks; hand luggage. Indestructo Trunk & Luggage Co. 506,319, Feb. 1; Serial No. 549,932, published Oct. 19, 1948.

Trunks; hand luggage. Oshkosh Trunks and Luggage. 506,320–1, Feb. 1; Serial Nos. 549,954–5, published Oct. 19, 1948.

Trunks; hand luggage. Oshkosh Trunks and Luggage. 506,323, Feb. 1; Serial No. 549,957, published Oct. 26, 1948.

Trunks, traveling bags, pocketbooks, etc. A. Boretz. 506,315, Feb. 1; Serial No. 548,045, published Oct. 19, 1948.

Wallets, bill-folds, key containers, etc. Pioneer Suspender Company. 506,149, Feb. 1; Serial No. 518,969, published Oct. 26, 1948.

Wallets, bill-folds, key containers, etc. Pioneer Suspender Company. 506,151, Feb. 1; Serial No. 518,973, published Oct. 26, 1948.

Wallets, bill-folds, key containers, etc. Pioneer Suspender Company. 506,168, Feb. 1; Serial No. 526,547, published Oct. 26, 1948.

CLASS 4

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 435,529, Dec. 30, 1947. Republished Feb. 1.

Cleaner, cleanser, and detergent, Sudsing. The Procter & Gamble Company. 502,622, Oct. 5, 1948. Corrected. O. G. Feb. 1.

Cleaner, Type. The Paraffine Companies, Inc. 296,330, Aug. 2, 1932. Republished Feb. 1.

Polishes, dressings, and cleaners, Shoe. Geo. J. Kelly, Inc. 245,158, renewed Aug. 7, 1948. O. G. Feb. 1.

Shampoo, Rug., spot remover, and general purpose cleaning compound. Bailey, Prihoda & Company. 506,384, Feb. 1; Serial No. 551,681.

Spot remover. Henry B. Heller Corp. 432,644, Sept. 9, 1947. Republished Feb. 1.

Top dressing, Black. Permatex Company, Inc. 331,150, Dec. 31, 1935. Republished Feb. 1.

Wood-preservative compound, chemical cleaner, and denatured alcohol. The Paraffine Companies, Inc. 274,202, Aug. 19, 1930. Republished Feb. 1.

CLASS 5

Shellac compound, Gasket. Permatex Company, Inc. 325,086, June 11, 1935. Republished Feb. 1.

Shellac compound, Gasket. Permatex Company, Inc. 331,744, Jan. 21, 1936. Republished Feb. 1.

Swatches and tape rendered adhesive by heat and used for mending purposes. Coated fabric. Dritz-Traum Company, Inc. 414,675, June 19, 1945. Republished Feb. 1.

Swatches, Coated fabric, and tape rendered adhesive by heat. Dritz-Traum Company, Inc. 402,415, July 20, 1943. Republished Feb. 1.

CLASS 6

All-Herb preparation for reducing. Continental Products Company. 506,358, Feb. 1; Serial No. 514,184.

Bluing, Laundry. The Cobb Mfg. Co., Inc. 237,072, Jan. 3, 1928. Republished Feb. 1.

Castor oil, Soluble. A. Klipstein & Company. 255,382, renewed Apr. 23, 1949. O. G. Feb. 1.

Charcoal tablets, ear oil, cubed cigarettes, etc. Requa Manufacturing Co., Inc. 255,583, renewed Apr. 23, 1949. O. G. Feb. 1.

Chemical compound used for cleaning drains and sewers. The Watterworth Corporation. 506,368, Feb. 1; Serial No. 522,676.

Chemical solution for the treatment of fur. The Non-Mercuric Carrot Company. 393,235, Jan. 27, 1942. Republished Feb. 1.

Cologne, body powder and toilet water. Avon Products, Inc. 435,540, Dec. 30, 1947. Republished Feb. 1.

Compound for boiling off cotton piece goods, hosiery, and like articles. A. Klipstein & Company. 255,657, renewed Apr. 30, 1929. O. G. Feb. 1.

Corn oil, Soluble. A. Klipstein & Company. 255,658, renewed Apr. 30, 1949. O. G. Feb. 1.

Corn sugar, Refined. Clinton Industries, Inc. 427,488, Feb. 11, 1947. Republished Feb. 1.

Cosmetic set. Avon Products, Inc. 435,744. Jan. 6, 1948. Republished Feb. 1.

Cosmetic sets. Avon Products, Inc. 435,504, Dec. 30, 1947. Republished Feb. 1.

Disinfectant. J. W. Bullen. 128,947, Jan. 20, 1920. Republished Feb. 1.

Extracts, Tobacco, and nicotine solutions and compounds. Tobacco By-Products and Chemical Corporation. 266,166, Jan. 14, 1930. Republished Feb. 1.

Extracts, Tobacco, and nicotine solutions and compounds. Tobacco By-Products and Chemical Corporation. 266,175, Jan. 14, 1930. Republished Feb. 1.

Fish liver oils. Mead Johnson & Company. 503,231, Oct. 19, 1948. Corrected. O. G. Feb. 1.

Fluid for cigarette lighters. Walgreen Co. 248,312, Oct. 16, 1928. Republished Feb. 1.

Fungicides, Agricultural. Mallinckrodt Chemical Works. 503,467, Oct. 26, 1948. Corrected. O. G. Feb. 1.

Gas, Bottled. Bottled Gas Corporation. 506,356, Feb. 1; Serial No. 509,912.

Hair and scalp lotion, shampoo, etc. S. Pfeiffer Mfg. Co. 431,892, Aug. 12, 1947. Republished Feb. 1.

Hair tints, hair dyes and shampoo tints. Clairol, Incorporated. 506,372, Feb. 1; Serial No. 524,173.

Hair tonic. E. Schaufler. 249,390, renewed Nov. 13, 1948. O. G. Feb. 1.

Insecticide and vermin destroyer. S. Schwarz. 73,302, re-renewed Apr. 6, 1949. O. G. Feb. 1.

Laxative preparations. The Weber Medical Tea Company. 249,229, renewed Nov. 13, 1948. O. G. Feb. 1.

Liquid chemical compound to be applied to trees, etc. Madison Products Company. 506,382, Feb. 1; Serial No. 543,822.

Liquid solution for bleaching, deodorising, and disinfecting. V. B. Bartos. 365,435, Mar. 7, 1939. Republished Feb. 1.

CLASS 14

Trucks, Motor. Sterling Motor Truck Company, Inc. 506,191, Feb. 1; Serial No. 530,587, published Oct. 12,

Locks, Automobile, compartment locks, and locking door handles. Briggs & Stratton Company. 199,693, June

Medicinal preparation for the prevention of nausea. M. A. Rossiter. 506,360, Feb. 1; Serial No. 515,846.
Oil, Yarn-conditioning. Nyanza Color & Chemical Co., Inc. 255,674, renewed Apr. 30, 1949. O. G. Feb. 1.
Oils, Scalp. E. L. Whitmore. 506,374, Feb. 1; Serial No. 525,728.
Parasiticides for poultry, veterinary, and insecticide purposes. Tobacco By-Products and Chemical Corporation. 332,838, Feb. 25, 1936. Republished Feb. 1.
Pharmaceutical preparation for the relief of gastric hyperacidites. F. H. Paxton. 255,726, renewed Apr. 30, 1949. O. G. Feb. 1.
Shampoo. Elmo Sales Corporation. 506,371, Feb. 1; Serial No. 523,831.
Shampoo tint, skin lotion and powder base, etc. Rapidol Distributing Corporation. 387,538, May 20, 1941. Republished Feb. 1.
Talcum powder, baby oil, and skin cream. Avon Products, Inc. 435,479, Dec. 30, 1947. Republished Feb. 1.
Wood-preservative compound, chemical cleaner, and denatured alcohol. The Paraffine Companies, Inc. 274,202, Aug. 19, 1930. Republished Feb. 1.

CLASS 7

Cable, Wire. Sauerman Bros., Inc. 506,172, Feb. 1; Serial No. 527,140, published Oct. 19, 1948.
Cables, ropes and twines, Fibrous and textile. Plymouth Cordage Company. 506,285, Feb. 1; Serial No. 544,191, published Oct. 19, 1948.
Clothes lines. Clover Farm Stores Corporation. 506,345, Feb. 1; Serial No. 552,945, published Oct. 26, 1948.
Cord. The Plastic Wire & Cable Corporation. 441,961, Feb. 1; Serial No. 515,633, published Oct. 19, 1948.
Rope, binder twine, etc. The Hooven & Allison Company. 506,208, Feb. 1; Serial No. 532,933, published Oct. 19, 1948.
Rope, cord and twine manufactured from vegetable fibre. American Manufacturing Company. 506,385, Feb. 1; Serial No. 552,383.
Rope, Wire. Macwhyte Company. 506,331, Feb. 1; Serial No. 550,814, published Oct. 19, 1948.
Twine. The Linen Thread Co., Inc. 506,218, Feb. 1; Serial No. 534,037, published Oct. 19, 1948.

CLASS 8

Textile goods, certain wooden goods. Pi Beta Phi. 248,856, renewed Oct. 30, 1948. O. G. Feb. 1.

CLASS 9

Ammunition for toy firearms. The Kilgore Manufacturing Company. 350,166, Sept. 21, 1937. Republished Feb. 1.
Caps for toy firearms, Paper. The Kilgore Manufacturing Company. 351,244, Oct. 26, 1937. Republished Feb. 1.

CLASS 10

Guano. F. S. Royster Guano Co. 45,145, Aug. 8, 1905. Republished Feb. 1.

CLASS 12

Brick, Fire. Plibrico Jointless Firebrick Company. 293,138, Apr. 12, 1932. Republished Feb. 1.
Cement, Asbestos furnace and retort. Plibrico Jointless Firebrick Company. 340,701, Nov. 17, 1936. Republished Feb. 1.
Cement, Fire-resisting. Jointless Fire-Brick Co. 176,070, Nov. 13, 1923. Republished Feb. 1.
Cement, Fire-resisting. Plibrico Jointless Firebrick Company. 328,433, Sept. 24, 1935. Republished Feb. 1.
Construction material. Schumacher Wall Board Corporation. 256,423, May 14, 1929. Republished Feb. 1.
Door installations, Complete upward-acting. Crawford Door Company. 391,772, Nov. 25, 1941. Republished Feb. 1.
Insulating materials and pipe coverings, Thermal. Plant Rubber & Asbestos Works. 285,663, Aug. 4, 1931. Republished Feb. 1.
Pads, Sound absorbing. The Celotex Corporation. 362,812, Nov. 29, 1938. Republished Feb. 1.
Refractory material, Castable. Plibrico Jointless Firebrick Company. 354,205, Feb. 8, 1938. Republished Feb. 1.
Tile, Acoustical. The American Gypsum Company. 363,707, Jan. 3, 1939. Republished Feb. 1.

CLASS 13

Bands, stays, open seals, etc. Acme Steel Company. 247,878, Oct. 9, 1928. Republished Feb. 1.
Fasteners, Slide. David Traum Company, Incorporated. 422,034, June 25, 1946. Republished Feb. 1.
Fastenings. Continental Screw Company. 422,631, Aug. 6, 1946. Republished Feb. 1.
Staples, Machine driven. Autoclench Company, Inc. 318,534, Oct. 30, 1934. Amended. O. G. Feb. 1.
Steel traps, Nailless, shook tie fasteners, corrugated-wood joint fasteners, etc. Acme Steel Company. 209,875, Mar. 2, 1926. Republished Feb. 1.
Strapping, Iron and steel. Acme Steel Company. 331,891-2, Jan. 21, 1936. Republished Feb. 1.
Strapping, Metal. Acme Steel Company. 402,908, Aug. 24, 1943. Republished Feb. 1.
Strapping, Steel. Acme Steel Company. 363,273, Dec. 20, 1938. Republished Feb. 1.

CLASS 14

Alloy stock, Copper. P. R. Mallory & Co., Inc. 408,836, Aug. 29, 1944. Republished Feb. 1.
Alloys, Nonferrous, and unfinished or partly finished nonferrous metal castings. P. R. Mallory & Co., Inc. 403,371, Sept. 21, 1943. Republished Feb. 1.

CLASS 15

Oils and greases, Lubricating. The Bassick Manufacturing Company. 256,560, renewed May 21, 1949. O. G. Feb. 1.
Oils, Lubricating, and lubricating greases. Nourse Oil Company. 246,526, Sept. 11, 1928. Republished Feb. 1.
Oils, Motor fuel. Sunset Oil Company. 361,442, Oct. 18, 1938. Republished Feb. 1.

CLASS 16

Gums, Dry, and liquid varnishes. Permatex Company, Inc. 187,883, Aug. 12, 1924. Republished Feb. 1.
Liquid compounds used as floor oils, sealers for wooden surfaces, floor finishes, etc. J. W. Bullen. 414,306, June 5, 1945. Republished Feb. 1.
Liquid preparation for surfacing, dressing, polishing, and finishing floors and linoleum, etc. American Disinfecting Co., Inc. 362,154, Nov. 15, 1938. Amended. O. G. Feb. 1.
Liquid preparation in the nature of a furniture polish. J. W. Bullen. 129,335, Feb. 17, 1920. Republished Feb. 1.
Paint oil. Brasil Oiticica S. A. 336,565-6, July 7, 1936. Republished Feb. 1.
Paint oil. Brazil Oiticica S. A. 337,961, Aug. 25, 1936. Republished Feb. 1.
Paint remover. O. Mahler. 441,943, Feb. 1; Serial No. 492,347, published Sept. 14, 1948.
Paints and paint enamels, Dry and ready-mixed. The Paraffine Companies, Inc. 291,006, Jan. 26, 1932. Republished Feb. 1.
Polishes and cleaners. Permatex Company, Inc. 340,931, Nov. 24, 1936. Republished Feb. 1.
Polishes, Automobile, and furniture polishes. Permatex Company, Inc. 307,701, Oct. 31, 1933. Republished Feb. 1.
Polishing-oil, Wax. J. W. Bullen. 129,334, Feb. 17, 1920. Republished Feb. 1.

CLASS 17

Cigars. A. Sensenbrenner Sons. 370,621, Aug. 29, 1939. Republished Feb. 1.
Tobacco, Smoking. C. P. Landau. 329,998, Nov. 19, 1935. Republished Feb. 1.
Tobacco, Smoking. P. Lorillard Company. 441,986, Feb. 1; Serial No. 525,619, published Oct. 12, 1948.

CLASS 19

Air heating, air cooling, and ventilating units for motor vehicles. Tropic-Aire, Incorporated. 363,646, Jan. 3, 1939. Republished Feb. 1.
Airplanes. Engineering and Research Corporation. 441,945, Feb. 1; Serial No. 496,018, published Oct. 5, 1948.
Airplanes. Engineering and Research Corporation. 441,973, Feb. 1; Serial No. 519,933, published Oct. 5, 1948.
Automobile seat covers. Rayco Mfg. Co. 506,311, Feb. 1; Serial No. 547,032, published Oct. 12, 1948.
Automotive equipment and accessories. U. S. Tool & Mfg. Co. 506,262, Feb. 1; Serial No. 541,361, published Oct. 26, 1948.
Axles for motor vehicles; brake assemblies, and structural parts thereof. The Timken-Detroit Axle Company. 506,200, Feb. 1; Serial No. 531,545, published Oct. 12, 1948.
Bicycles. The Westfield Manufacturing Company. 506,279-80, Feb. 1; Serial Nos. 543,551-2, published Oct. 26, 1948.
Boats, Drill, derrick boats, dynamite boats. Great Lakes Dredge & Dock Company. 255,582, Apr. 23, 1929. Republished Feb. 1.
Boats, Sail. Palmer Scott & Company, Inc. 506,184, Feb. 1; Serial No. 529,191, published Oct. 12, 1948.
Carts for babies, Folding. A. E. Peterson Mfg. Co. 506,213, Feb. 1; Serial No. 533,612, published Oct. 26, 1948.
Control devices, Brake. Budd Wheel Company. 415,487, Aug. 7, 1945. Republished Feb. 1.
Dump-wagons, wheel tractor-dump-wagon combinations, and structural parts for such products. Caterpillar Tractor Co. 506,258, Feb. 1; Serial No. 540,644, published Oct. 12, 1948.
Motor cars. Playboy Motor Car Corporation. 506,267, Feb. 1; Serial No. 542,166, published Sept. 28, 1948.
Railroad passenger cars. General Motors Corporation. 506,230, Feb. 1; Serial No. 535,697, published Oct. 12, 1948.
Trailers for automobiles, House. Palace Corporation. 506,222, Feb. 1; Serial No. 534,809, published Oct. 12, 1948.
Trailers for automobiles, House. Palace Corporation. 506,223, Feb. 1; Serial No. 534,811, published Oct. 12, 1948.

Wallets, bill-folds, key containers, etc. Pioneer Suspender Company. 506,168, Feb. 1; Serial No. 526,547, published Oct. 26, 1948.

Liquid solution for bleaching, deodorizing, and disinfecting. V. B. Bartos. 365,435, Mar. 7, 1939. Republished Feb. 1.

Trucks, Motor. Sterling Motor Truck Company, Inc. 506,191, Feb. 1; Serial No. 530,587, published Oct. 12, 1948.
Wheeled kneeling pads. J. W. Frank. 506,312, Feb. 1; Serial No. 547,108, published Oct. 12, 1948.
Windshield wiper blades and arms. Trico Products Corporation. 506,313, Feb. 1; Serial No. 547,295, published Oct. 26, 1948.

CLASS 20

Floor coverings, Prepared. The Paraffine Companies, Inc. 252,677, Feb. 12, 1929. Republished Feb. 1.

CLASS 21

Contact elements, Electrical. P. R. Mallory & Co., Inc. 413,408, Apr. 24, 1945. Republished Feb. 1.
Contacting elements, Electric. P. R. Mallory & Co., Inc. 399,945, Feb. 9, 1943. Republished Feb. 1.
Contacting elements, Electric. P. R. Mallory & Co., Inc. 408,003, July 11, 1944. Republished Feb. 1.
Electrical contacts. P. R. Mallory & Co., Inc. 426,921, Jan. 21, 1947. Republished Feb. 1.
Electrical equipment. Briggs & Stratton Co. 102,033, Jan. 26, 1915. Republished Feb. 1.
Electrical equipment. Briggs & Stratton Company. 184,010, May 13, 1924. Republished Feb. 1.
Power supply devices, Electric. P. R. Mallory & Co., Inc. 359,145, Aug. 9, 1938. Republished Feb. 1.
Power supply units, Rectifier. P. R. Mallory & Co., Inc. 405,926, Feb. 29, 1944. Republished Feb. 1.
Rectifier unit, portable electric power conversion unit, and other internal combustion engines. P. R. Mallory & Co., Inc. 397,785, Sept. 22, 1942. Republished Feb. 1.
Rectifiers, Electric-current, electric-current rectifier units, electric-current battery eliminators and asymmetric cells. Elkon Works, Inc. 218,871, Oct. 5, 1926. Republished Feb. 1.
Rectifiers, Electric-current, electroplating power supply devices, rectifier-type electroplating units. P. R. Mallory & Co., Inc. 362,617, Nov. 22, 1938. Republished Feb. 1.
Staples, Insulated. The Superior Manufacturing Company. 282,564, Apr. 21, 1931. Republished Feb. 1.
Variable inductance devices, inductive tuning devices, variable inductance tuning devices, etc. P. R. Mallory & Co., Inc. 370,327, Aug. 22, 1939. Republished Feb. 1.

CLASS 22

Fishing-rods. The Horton Manufacturing Company. 73,218, re-renewed Mar. 30, 1949. O. G. Feb. 1.
Toy pistols. The Kilgore Manufacturing Company. 179,877, Feb. 19, 1924. Republished Feb. 1.

CLASS 23

Carburetters and fuel pumps for engines. The S. U. Carburetter Company, Limited. 359,817, Aug. 30, 1938. Republished Feb. 1.
Conveyors, gravity slides, and spiral chutes. Alvey Conveyor Manufacturing Co. 431,226, July 15, 1947. Republished Feb. 1.
Journal and bearing protectors. Lewis Bolt & Nut Company. 334,705, May 12, 1936. Republished Feb. 1.
Machines for vaporizing and applying insecticidal sprays. Tobacco By-Products and Chemical Corporation. 352,421, Nov. 30, 1937. Republished Feb. 1.
Packaging machines. Transparent-Wrap Machine Corporation. 335,751, June 16, 1936. Republished Feb. 1.
Pile drivers, locomotive cranes, crawler cranes, etc. Great Lakes Dredge & Dock Company. 248,738, Oct. 30, 1928. Republished Feb. 1.
Safety razors. Rolls Razor (1927) Limited. 252,695, renewed Feb. 12, 1949. O. G. Feb. 1.
Sealers, stretchers, coil holders, etc. Acme Steel Company. 329,392, Oct. 29, 1935. Republished Feb. 1.
Sewage ejectors, bilge pumps, sump pumps, etc. The Nash Engineering Company. 238,169, Jan. 31, 1928. Republished Feb. 1.
Sprayers and spraying attachments. Hudson Manufacturing Co. 248,305, Oct. 16, 1928. Republished Feb. 1.
Stitching machines, Wire. Acme Steel Company. 387,962, June 10, 1941. Republished Feb. 1.
Ticket and coupon issuing machines, slot vending machines. General Register Corporation. 388,084, June 10, 1941. Republished Feb. 1.
Ticket-issuing machines, ticket printing and issuing machines, and ticket-punching machines and parts thereof. General Register Corporation. 283,339-40, May 26, 1931. Republished Feb. 1.
Ticket-selling machines. Automatic Ticket Selling & Cash Register Company. 112,347, Sept. 5, 1916. Republished Feb. 1.
Transmissions for motor vehicles. Hudson Motor Car Company. 404,353, Nov. 23, 1943. Republished Feb. 1.

CLASS 24

Press cloths, Ironing. Dritz-Traum Company, Inc. 405,042, Jan. 4, 1944. Republished Feb. 1.
Press cloths, Ironing. Dritz-Traum Company, Inc. 415,111, July 10, 1945. Republished Feb. 1.

CLASS 25

Locks, Automobile, compartment locks, and locking door handles. Briggs & Stratton Company. 195,003, Feb. 17, 1925. Republished Feb. 1.

Locks, Automobile, compartment locks, and locking door handles. Briggs & Stratton Company. 199,693, June 16, 1925. Republished Feb. 1.

CLASS 26

Adding machines. General Register Corporation. 361,767, Nov. 1, 1938. Republished Feb. 1.
Adding machines, taximeters, calculating machines, cash registers. General Register Corporation. 391,452, Nov. 11, 1941. Republished Feb. 1.
Drafting material, Translucent. The Di-Noc Company. 428,177, Mar. 11, 1947. Republished Feb. 1.
Films, Motion picture. Terrytoons, Inc. 425,600, Nov. 26, 1946. Republished Feb. 1.
Films, Motion picture. Terrytoons, Inc. 433,330, Oct. 7, 1947. Republished Feb. 1.
Gages, Internal length comparators. The Dow Mechanical Corporation. 506,364, Feb. 1; Serial No. 518,072.
Motion pictures. Fox Case Corporation. 249,701, renewed Nov. 20, 1945. O. G. Feb. 1.
Ruler used for measuring the lengths and widths of hosiery. Bryan Full Fashioned Mills, Inc. 506,365, Feb. 1; Serial No. 519,256.
Transfers, Photosensitive. The Di-Noc Company. 423,448; Sept. 3, 1946. Republished Feb. 1.
Valves for hot water heaters and the like, Thermostatic. The Titan Valve and Manufacturing Company. 394,470, Apr. 7, 1942. Republished Feb. 1.

CLASS 27

Watch cases. A. J. Lemieux Corporation. 434,844, Dec. 9, 1947. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 394,067, Mar. 17, 1942. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 394,192, Mar. 24, 1942. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 404,432, Nov. 23, 1943. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 409,380, Oct. 3, 1944. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 415,227, July 31, 1945. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 425,560, Nov. 26, 1946. Republished Feb. 1.
Watches. Movado Watch Agency, Inc. 426,028, Dec. 10, 1946. Republished Feb. 1.

CLASS 28

Jewelry. T. G. Brogan. 506,363, Feb. 1; Serial No. 517,696.
Jewelry for personal wear. Oscap Manufacturing Co., Inc. 506,379, Feb. 1; Serial No. 537,724.
Knives, forks, spoons, etc., Sterling silver. Zell Bros. 418,249, Dec. 11, 1945. Republished Feb. 1.

CLASS 29

Brushes, Artists'. Delta Brush Mfg. Corp. 433,607, Oct. 21, 1947. Republished Feb. 1.
Brushes, Paint and varnish. The Wooster Brush Company. 299,320, Nov. 29, 1932. Republished Feb. 1.
Paintbrushes. The Wooster Brush Company. 222,636, Jan. 4, 1927. Republished Feb. 1.

CLASS 31

Refrigerating apparatus and parts thereof. Chrysler Corporation. 503,315, Oct. 19, 1948. Corrected. O. G. Feb. 1.
Softening material. A. A. Meyer. 222,612, Jan. 4, 1927. Republished Feb. 1.

CLASS 32

Benches, desks, chests, dressers, etc. John Wanamaker Philadelphia. 368,313, June 13, 1939. Republished Feb. 1.
Display stands, racks, counters, etc., Merchandise. The Pharis Tire and Rubber Company. 392,267, Dec. 16, 1941. Republished Feb. 1.
Furniture, Wooden. Pi Beta Phi. 248,756, renewed Oct. 30, 1948. O. G. Feb. 1.
Hassocks. Crawford Manufacturing Co., Inc. 332,140, Feb. 4, 1936. Republished Feb. 1.

CLASS 34

Waters heaters and storage systems, Instantaneous automatic. Ruud Manufacturing Company. 99,501, Sept. 1, 1914. Republished Feb. 1.

CLASS 35

Composition packing containing rubber and a reinforcing material in the form of packing cups, gaskets, and washers. The Darling Pump & Mfg. Co. Limited. 73,160, re-renewed Mar. 23, 1949. O. G. Feb. 1.
Tires. The Pharis Tire and Rubber Company. 190,296, Oct. 14, 1924. Republished Feb. 1.
Tires and inner tubes for pneumatic tires, Pneumatic. The Pharis Tire and Rubber Company. 419,230, Feb. 5, 1946. Republished Feb. 1.
Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 336,271, June 30, 1936. Republished Feb. 1.
Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 352,378, Nov. 30, 1937. Republished Feb. 1.

Strapping, Steel. Acme Steel Company. 363,273, Dec. 20, 1938. Republished Feb. 1.

506,223, Feb. 1; Serial No. 534,811, published Oct. 12, 1948.

1925. Republished Feb. 1.

Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 354,255, Feb. 8, 1938. Republished Feb. 1.

Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 354,645, Feb. 15, 1938. Republished Feb. 1.

Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 400,774, Mar. 30, 1943. Republished Feb. 1.

Tires and tubes for vehicle wheels, Pneumatic. The Pharis Tire and Rubber Company. 416,781, Sept. 25, 1945. Republished Feb. 1.

Tires and tubes for vehicle wheels, Rubber and rubber-containing pneumatic. The Pharis Tire and Rubber Company. 361,127, Oct. 11, 1938. Republished Feb. 1.

Tires and tubes for vehicle wheels, Rubber and rubber containing pneumatic. The Pharis Tire and Rubber Company. 390,732, Sept. 30, 1941. Republished Feb. 1.

Tires for vehicles, Pneumatic rubber. The Pharis Tire and Rubber Company. 318,731, Oct. 30, 1934. Republished Feb. 1.

Tires for vehicles, Pneumatic rubber. The Pharis Tire and Rubber Company. 318,916, Nov. 6, 1934. Republished Feb. 1.

Tires, Pneumatic rubber. The Pharis Tire and Rubber Company. 290,525, Jan. 5, 1932. Republished Feb. 1.

Tires, Pneumatic rubber. The Pharis Tire and Rubber Company. 298,779, Nov. 8, 1932. Republished Feb. 1.

CLASS 36

Cornets, trumpets, trombones, etc. Scherl & Roth, Inc. 338,822, Sept. 15, 1936. Republished Feb. 1.

Phonograph records, Grooved. Bullet Recording & Transcription Co. Inc. 441,954, Feb. 1; Serial No. 512,235, published Oct. 26, 1948.

Phonograph records, Mechanically grooved. Seva Record Corporation. 441,977, Feb. 1; Serial No. 521,539, published Oct. 26, 1948.

Talking machines, sound boxes, phonographs, talking machine needles. The Lifton Mfg. Company. 235,835, renewed Nov. 29, 1947. O. G. Feb. 1.

CLASS 37

Bristols, Index, pasted, and wedding, bond, ledger, and wedding papers. B. D. Rising Paper Company. 239,561, renewed Mar. 6, 1948. O. G. Feb. 1.

Forms, Commercial and business. Carbon Systems, Inc. 360,317, Sept. 13, 1938. Republished Feb. 1.

Paper, Mulch. The Paraffine Companies, Inc. 296,504, Aug. 9, 1932. Republished Feb. 1.

Paper, Writing. Esleeck Manufacturing Co. 73,561, renewed Apr. 27, 1949. O. G. Feb. 1.

CLASS 38

Booklet published recurrently. G. W. Leistner. 441,955, Feb. 1; Serial No. 512,679, published Oct. 19, 1948.

Cards and printed motto cards and leaflets, Printed Window and bulletin board. D. S. Patterson. 506,132, Feb. 1; Serial No. 502,530, published Oct. 5, 1948.

Column or section appearing in a periodical or newspaper. E. Exton. 506,145, Feb. 1; Serial No. 516,010, published Oct. 19, 1948.

Directories, Telephone. General Telephone Directory Company. 506,214, Feb. 1; Serial No. 533,728, published Oct. 19, 1948.

House organs published periodically. Armstrong Cork Company. 506,187, Feb. 1; Serial No. 529,951, published Oct. 19, 1948.

Labels, Food. Muirson Label Co., Inc. 506,235, Feb. 1; Serial No. 537,066, published Oct. 19, 1948.

Magazine. The Kiplinger Washington Agency, Inc. 506,144, Feb. 1; Serial No. 515,379, published Oct. 19, 1948.

Magazine, Monthly. Ideal Publishing Corp. 441,982, Feb. 1; Serial No. 523,185, published Oct. 5, 1948.

Magazine (Periodical). Hercules Powder Company. 506,351, Feb. 1; Serial No. 556,718, published Oct. 19, 1948.

Newspaper. Buffalo Courier Express, Inc. 506,305, Feb. 1; Serial No. 546,186, published Oct. 5, 1948.

Newspaper, Monthly. Successful Farming Publishing Company. 61,626, Mar. 26, 1907. New certificate. O. G. Feb. 1.

Periodic publication. Executives' Radio Service. 506,310, Feb. 1; Serial No. 546,987, published Oct. 5, 1948.

Periodical. E. J. Brach & Sons. 261,336, Sept. 17, 1929. Republished Feb. 1.

Periodicals published at irregular intervals. Duncan Electric Manufacturing Company. 441,960, Feb. 1; Serial No. 514,258, published Oct. 5, 1948.

Prints, Photographic. Katz Drug Company. 506,158, Feb. 1; Serial No. 520,339, published Oct. 5, 1948.

Prints, Photographic. J. A. Ronan. 506,133, Feb. 1; Serial No. 503,675, published Oct. 5, 1948.

Prints, Transfer. The Di-Noc Manufacturing Company. 196,223, Mar. 10, 1925. Republished Feb. 1.

Programs, magazines, and labor union directories, Printed periodically and intermittently appearing. Chicago Federation of Labor. 506,131, Feb. 1; Serial No. 502,489, published Oct. 19, 1948.

Publication, Daily. Regal Publishing Corporation. 441,983, Feb. 1; Serial No. 524,155, published Oct. 5, 1948.

Publication, Periodical. Holmes Eureka Lumber Company. 385,818, Mar. 18, 1941. Republished Feb. 1.

Publication, Periodical. U. S. Industrial Chemicals, Inc. 506,295, Feb. 1; Serial No. 545,055, published Sept. 21, 1948.

Publication published monthly. The Bolivar Publishing Company. 506,210, Feb. 1; Serial No. 533,126, published Mar. 9, 1948.

Seals, Christmas, printed tags and cards, and printed tapes and stickers. Fred Fear & Co. 506,146, Feb. 1; Serial No. 516,190, published Oct. 19, 1948.

Series of books published from time to time. McLoughlin Bros., Inc. 506,316, Feb. 1; Serial No. 549,348, published Oct. 5, 1948.

Series of published translations. I. F. Smith. 441,985, Feb. 1; Serial No. 525,508, published Oct. 5, 1948.

Transfers, Decalcomania. The Meyercord Company. 288,931, Nov. 10, 1931. Republished Feb. 1.

CLASS 39

Aprons and house frocks, Ladies'. Chic Manufacturing Co. 245,153, renewed Aug. 7, 1948. O. G. Feb. 1.

Aprons, Kitchen. U. S. Fiber & Plastics Corp. 441,951, Feb. 1; Serial No. 510,136, published Oct. 19, 1948.

Bathing suits, sweaters, jackets, etc., Knitted. S. L. Gilbert Company, Inc. 506,202, Feb. 1; Serial No. 531,910, published Sept. 28, 1948.

Belts, suspenders, and garters, Apparel. Perfect Belt Manufacturing Company. 506,209, Feb. 1; Serial No. 533,110, published Sept. 28, 1948.

Blouses, Ladies' and misses'. Harry E. Lisberg Co. 441,947 Feb. 1; Serial No. 498,705, published Oct. 19, 1948.

Blouses, Ladies' and misses'. National Blouse Corporation. 506,292, Feb. 1; Serial No. 544,899, published Oct. 12, 1948.

Bodices. I. B. Kleinert Rubber Company, Inc. 506,160, Feb. 1; Serial No. 526,616, published Oct. 12, 1948.

Boots and shoes. Freeman Shoe Corporation. 305,659, Aug. 22, 1933. Republished Feb. 1.

Boots and shoes. French, Shriner & Urner. 245,174, renewed Aug. 7, 1948. O. G. Feb. 1.

Boots and shoes. French, Shriner & Urner. 250,872, renewed Dec. 18, 1948. O. G. Feb. 1.

Boots and shoes. French, Shriner & Urner. 254,437, Mar. 26, 1929. Republished Feb. 1.

Boots and shoes. French, Shriner & Urner. 262,143, Oct. 1, 1929. Republished Feb. 1.

Boots, shoes, and slippers. Young's Speedy Shoes, Inc. 506,175, Feb. 1; Serial No. 527,984, published Sept. 28, 1948.

Boots, shoes, slippers, sandals, etc. Powell & Campbell, Inc. 506,195, Feb. 1; Serial No. 531,365, published Sept. 28, 1948.

Brassières. Brookside Manufacturing Corp. 506,362, Feb. 1; Serial No. 517,610.

Caps and hats for men. Hat Corporation of America. 506,283, Feb. 1; Serial No. 543,921, published Oct. 19, 1948.

Caps and hats for men and women. Disney Hats. 219,621, Oct. 21, 1926. Republished Feb. 1.

Caps and hats for men and women. Disney Hats. 219,642, Oct. 19, 1926. Republished Feb. 1.

Clothing. Eckbro Manufacturing Company. 506,239, Feb. 1; Serial No. 537,439, published Oct. 12, 1948.

Clothing, Men's. Meier & Frank Co., Inc., doing business as Meier & Frank Co., Portland, Oreg. 506,221, Feb. 1; Serial No. 534,646, published Sept. 28, 1948.

Clothing, Men's and boys'. The Black Manufacturing Co. 506,207, Feb. 1; Serial No. 532,426, published Sept. 28, 1948.

Coats and suits, Women's. Walda Scott Originals, Inc. 506,354, Feb. 1; Serial No. 505,310.

Coats and suits, Women's, misses', and children's. Youthcraft Manufacturing Co. 506,130, Feb. 1; Serial No. 495,562, published Oct. 5, 1948.

Coats and suits, Women's outer. Western Garment Company. 506,286, Feb. 1; Serial No. 544,235, published Oct. 19, 1948.

Coats, suits, and dresses, Ladies' and misses'. H. Bomze & Bro. 441,942, Feb. 1; Serial No. 473,635, published May 8, 1945.

Coats, suits, dresses, etc., Ladies' and misses'. The Printz-Biederman Company. 506,257, Feb. 1; Serial No. 540,587, published Aug. 17, 1948.

Coats, suits, jackets, etc., Misses' and junior misses'. Victoria Juniors. 441,976, Feb. 1; Serial No. 520,574, published Oct. 5, 1948.

Dirndls, jumpers, pinafores, etc. Folly Cove Designers. 441,963, Feb. 1; Serial No. 516,406, published Oct. 5, 1948.

Dresses and blouses, Women's. Peck & Peck. 334,868, May 19, 1936. Republished Feb. 1.

Dresses and evening gowns, Women's and misses'. Beautime Formals, Inc. 506,308, Feb. 1; Serial No. 546,751, published Oct. 19, 1948.

Dresses and suits, Women's and misses'. Smartbilt, Inc. 441,987, Feb. 1; Serial No. 494,135.

Dresses, Children's, girls', women's, and misses'. Jack Borgenicht, Inc. 506,381, Feb. 1; Serial No. 541,501.

Dresses, coats, jackets, etc., Girls' and women's. Lang-Kohn, Inc. 506,259, Feb. 1; Serial No. 541,059, published Oct. 19, 1948.

Dresses, coats, suits and hats, Misses' and women's. John Wanamaker Philadelphia. 407,242, May 23, 1944. Republished Feb. 1.

Dresses for girls. Teen-Timers, Inc. 506,167, Feb. 1; Serial No. 526,520, published Feb. 17, 1948.

Dresses, Junior misses'. Scharf Brenner Manufacturing Company. 506,238, Feb. 1; Serial No. 537,365, published Sept. 7, 1948.

Dresses, Ladies'. M. Feinberg and M. Wiesen. 441,988, Feb. 1; Serial No. 514,259.

Dresses, Ladies'. Mike Levine & Co. 506,281, Feb. 1; Serial No. 543,723, published Oct. 5, 1948.

Dresses, maid and nurse uniforms, smocks, etc., Ladies' and misses'. The J. L. Hudson Co. 506,246, Feb. 1; Serial No. 538,138, published Aug. 10, 1948.

Dresses, Women's. Laura Lee Frocks, Inc. 506,302, Feb. 1; Serial No. 545,492, published Oct. 12, 1948.

Dresses, Women's and misses'. Golde-Kay Dress Company. 506,375, Feb. 1; Serial No. 530,641.

Dresses, Women's, misses', and children's. Charles S. Greenberg, Inc. 506,229, Feb. 1; Serial No. 535,521, published Oct. 5, 1948.

Foundation garments. K & S Corset Manufacturing Co., Inc. 506,377, Feb. 1; Serial No. 535,968.

Garments. The Hawk & Buck Co. 506,247, Feb. 1; Serial No. 538,408, published Oct. 19, 1948.

Garments, Infants' and children's. Simon & Mogilner. 506,304, Feb. 1; Serial No. 545,653, published Oct. 12, 1948.

Girdles and foundation garments. Artistic Foundations, Inc. 506,370, Feb. 1; Serial No. 522,769.

Gloves. G. V. Marsa Glove Co., Inc. 506,357, Feb. 1; Serial No. 510,439.

Gloves. Merry Hull & Company. 506,192, Feb. 1; Serial No. 530,935, published Sept. 28, 1948.

Gloves, Fabric and leather. Wimelbacher & Rice Inc. 506,250, Feb. 1; Serial No. 538,999, published Sept. 28, 1948.

Gloves, Fabric work. Good Luck Glove Company. 506,182, Feb. 1; Serial No. 529,028, published Oct. 5, 1948.

Gloves, Fabric work. Good Luck Glove Company. 506,183, Feb. 1; Serial No. 529,030, published Oct. 5, 1948.

Gloves, Ladies' leather and fabric. Wimelbacher & Rice Inc. 506,251, Feb. 1; Serial No. 539,000, published Sept. 28, 1948.

Gloves, Ladies' leather and fabric. Wimelbacher & Rice Inc. 506,252, Feb. 1; Serial No. 539,002, published Sept. 28, 1948.

Gloves, Men's and ladies'. Wagner, Marcel Glove Co. 506,190, Feb. 1; Serial No. 530,326, published Oct. 5, 1948.

Gloves, Men's leather dress. Milwaukee Glove Company. 506,383, Feb. 1; Serial No. 548,515.

Gloves, Work. Good Luck Glove Company. 506,180, Feb. 1; Serial No. 529,007, published Oct. 12, 1948.

Gloves, Work. Good Luck Glove Company. 506,181, Feb. 1; Serial No. 529,018, published Oct. 5, 1948.

Goods, Knit. Jones Knitting Mills. 506,220, Feb. 1; Serial No. 534,287, published Oct. 5, 1948.

Hat bodies and hats for women and children. Henry Pollak, Inc. 506,255, Feb. 1; Serial No. 540,573, published Aug. 10, 1948.

Hats. Windsor Hats (Proprietory) Limited. 506,166, Feb. 1; Serial No. 526,175, published Sept. 28, 1948.

Hats and caps. Disney Hats. 170,302, July 17, 1923. Republished Feb. 1.

Hats and caps for men and women. Hat Corporation of America. 506,128, Feb. 1; Serial No. 481,578, published Sept. 28, 1948.

Hats and caps, Men's fur felt and straw. The Frank H. Lee Company. 409,649, Oct. 17, 1944. Republished Feb. 1.

Hats and leather and fabric gloves, Ladies' and misses'. Dave Herstein Co., Inc. 506,265, Feb. 1; Serial No. 541,839.

Hats for men and boys. The Frank H. Lee Company. 207,936, Jan. 12, 1926. Republished Feb. 1.

Hats, hat bodies, hat hoods, etc. The A. E. Hodshon Corp. 355,435, Mar. 15, 1938. Republished Feb. 1.

Hats, Ladies'. W. H. Goodstein Millinery Co., Inc. 506,298, Feb. 1; Serial No. 545,365, published Oct. 12, 1948.

Hats, Ladies'. W. H. Goodstein Millinery Co., Inc. 506,299, Feb. 1; Serial No. 545,366, published Oct. 12, 1948.

Hats, Ladies'. W. H. Goodstein Millinery Co., Inc. 506,300, Feb. 1; Serial No. 545,368, published Oct. 12, 1948.

Hats, Ladies'. W. H. Goodstein Millinery Co., Inc. 506,301, Feb. 1; Serial No. 545,369, published Oct. 12, 1948.

Hats, Men's. The J. L. Hudson Co. 506,245, Feb. 1; Serial No. 538,187, published Aug. 10, 1948.

Hats, Men's. The Frank H. Lee Company. 330,788, Dec. 17, 1935. Republished Feb. 1.

Hats, Men's and boys'. Bee Hat & Cap Co. 506,236, Feb. 1; Serial No. 537,131, published May 25, 1948.

Hats, Men's and women's. The Frank H. Lee Company. 330,750, Dec. 17, 1935. Republished Feb. 1.

Hats, Men's and women's. The Frank H. Lee Company. 358,908, July 26, 1938. Republished Feb. 1.

Hats, Men's and women's. The Frank H. Lee Company. 360,303, Sept. 13, 1938. Republished Feb. 1.

Hats, Men's and women's felt. The A. E. Hodshon Corporation. 351,000, Oct. 12, 1937. Republished Feb. 1.

Hats, Men's and women's felt. The A. E. Hodshon Corporation. 357,531, June 7, 1938. Republished Feb. 1.

Hats, Men's and women's felt. The Frank H. Lee Company. 288,684, Nov. 3, 1931. Republished Feb. 1.

Hats, Men's and women's felt. The Frank H. Lee Company. 321,027, Jan. 15, 1935. Republished Feb. 1.

Hats, Men's and women's felt. The Frank H. Lee Company. 321,346, Jan. 29, 1935. Republished Feb. 1.

Hats, Men's and women's felt. The Frank H. Lee Company. 333,055, Mar. 10, 1936. Republished Feb. 1.

Hats, Men's and women's felt. The Frank H. Lee Company. 336,491, July 7, 1936. Republished Feb. 1.

Hats, Men's and women's fur felt. The Frank H. Lee Company. 384,942, Feb. 11, 1941. Republished Feb. 1.

Hats, Men's and women's straw. The Frank H. Lee Company. 382,278, Oct. 22, 1940. Republished Feb. 1.

Hats, Men's and women's straw, felt, and wool. The Frank H. Lee Company. 372,299, Oct. 31, 1939. Republished Feb. 1.

Hats, Men's and women's straw, felt, and wool. The Frank H. Lee Company. 387,477, May 20, 1941. Republished Feb. 1.

Hats, Men's soft and stiff felt, straw hats, wool hats and caps. The Frank H. Lee Company. 274,050, Aug. 19, 1930. Republished Feb. 1.

Hats, Men's soft and stiff felt, straw hats, wool hats and caps. The Frank H. Lee Company. 276,887, Oct. 21, 1930. Republished Feb. 1.

Hats, Men's soft and stiff felt, straw hats, wool hats, etc. The Frank H. Lee Company. 276,888, Oct. 21, 1930. Republished Feb. 1.

Heels, Rubber. Essex Rubber Company. 309,372, Jan. 9, 1934. Republished Feb. 1.

Heels, Rubber and composition. Essex Rubber Company. 279,665, Jan. 20, 1931. Republished Feb. 1.

Hosiery. Boonton Full Fashion Hosiery Mills. 506,194, Feb. 1; Serial No. 531,294, published Oct. 12, 1948.

Hosiery. Chipman Knitting Mills. 506,355, Feb. 1; Serial No. 506,467.

Hosiery. Chipman Knitting Mills. 506,361, Feb. 1; Serial No. 516,395.

Hosiery. Crystal Hosiery Co. 506,171, Feb. 1; Serial No. 527,040, published Sept. 28, 1948.

Hosiery. Joel Baily Davis Co. 73,087, Mar. 16, 1909. Republished Feb. 1.

Hosiery. F. J. Doherty. 506,237, Feb. 1; Serial No. 537,298, published Sept. 7, 1948.

Hosiery. Le Roi Hosiery Co. Inc. 506,225, Feb. 1; Serial No. 535,166, published Oct. 19, 1948.

Hosiery. Le Roi Hosiery Co. Inc. 506,226, Feb. 1; Serial No. 535,167, published Oct. 19, 1948.

Hosiery. Le Roi Hosiery Co. Inc. 506,227, Feb. 1; Serial No. 535,168, published Oct. 19, 1948.

Hosiery. Lincoln Stores, Incorporated. 320,446, Jan. 1, 1935. Republished Feb. 1.

Hosiery. McDermott & Short. 231,080, Aug. 9, 1927. Republished Feb. 1.

Hosiery. Parks Hosiery Mills, Inc. 269,359, Apr. 1, 1930. Republished Feb. 1.

Hosiery. Peck & Peck. 227,527, May 10, 1927. Republished Feb. 1.

Hosiery. Peck & Peck. 303,448, May 23, 1933. Republished Feb. 1.

Hosiery. Peck & Peck. 315,995, Aug. 14, 1934. Republished Feb. 1.

Hosiery. Tri-Star Hosiery Co. 322,781, Mar. 19, 1935. Republished Feb. 1.

Hosiery, Wendell, Incorporated. 506,165, Feb. 1; Serial No. 525,468, published Sept. 28, 1948.

Hosiery and underwear, Women's. Van Raalte Company, Inc. 506,203, Feb. 1; Serial No. 531,964, published Mar. 23, 1948.

Hosiery for women, Full fashioned. Boonton Full Fashion Hosiery Mill. 506,156, Feb. 1; Serial No. 519,920, published Oct. 5, 1948.

Hosiery, Ladies'. Allied Stores Corporation. 506,160, Feb. 1; Serial No. 521,104, published Sept. 28, 1948.

Hosiery, Ladies'. Prim-Era Hosiery Mills, Inc. 402,740, Aug. 10, 1943. Republished Feb. 1.

Hosiery, underwear, and lingeries for ladies. Tri-Star Hosiery Co. 405,049, Jan. 4, 1944. Republished Feb. 1.

Hosiery, Women's. Artcraft Silk Hosiery Mills, Inc. 323,770, Apr. 30, 1935. Republished Feb. 1.

Neckties. Hermann Spielmann & Son, Inc. 506,141, Feb. 1; Serial No. 512,589, published Sept. 28, 1948.

Negligees. Meister Brothers. 440,935, Oct. 12, 1948. Corrected. O. G. Feb. 1.

Overalls, coats, dungarees, etc. Blue Buckle Overall Company, Inc. 506,140, Feb. 1; Serial No. 511,665, published Oct. 12, 1948.

Overalls, workshirts, jumpers, etc. Keet & Rountree Dry Goods Co. 177,965, Jan. 1, 1924. Republished Feb. 1.

Overalls, work shirts, work pants, and coveralls, Men's and boys'. F. Brody & Sons Co. 506,168, Feb. 1; Serial No. 523,945, published Sept. 28, 1948.

Overcoats and top coats, Men's. J. Friedman & Co., Inc. 337,772, Aug. 18, 1936. Republished Feb. 1.

Overcoats, Men's. Herbert Manufacturing Company. 506,241, Feb. 1; Serial No. 537,692, published Oct. 12, 1948.
Pajamas. Wilton Manufacturing Company. 506,211, Feb. 1; Serial No. 533,220, published Sept. 14, 1948.
Pajamas and nightgowns, Children's. A. Natelson. 506,359, Feb. 1; Serial No. 514,429.
Raincoats. Peck & Peck. 360,062, Sept. 6, 1938. Republished Feb. 1.
Raincoats. Sherman Bros. 249,857, renewed Nov. 20, 1948. O. G. Feb. 1.
Robes, bath robes, slacks, etc., Ladies' and misses' lounging. Terry-Ann Sportswear Co. 506,228, Feb. 1; Serial No. 535,435, published Oct. 19, 1948.
Shoes. Arnoff Shoe Company, Inc. 506,219, Feb. 1; Serial No. 534,229, published Oct. 19, 1948.
Shoes. Mishawaka Rubber and Woolen Manufacturing Company. 506,189, Feb. 1; Serial No. 530,096, published May 25, 1948.
Shoes for men, Leather. Craddock-Terry Shoe Corporation. 506,186, Feb. 1; Serial No. 529,751, published Oct. 5, 1948.
Shoes, Infants' and children's. Beckerman Shoe Corporation of Boyertown. 441,946, Feb. 1; Serial No. 497,604, published Sept. 28, 1948.
Shoes, Infants', children's, misses' and growing girls'. W. L. Kreider's Sons Mfg. Co. Inc. 506,367, Feb. 1; Serial No. 522,637.
Shoes, Women's. Huiskamp Brothers Co. 376,721, Apr. 2, 1940. Republished Feb. 1.
Shoes, Women's. Huiskamp Bros. Co. 427,705, Feb. 18, 1947. Republished Feb. 1.
Shoes, Women's. Huiskamp Brothers Co. 506,243, Feb. 1; Serial No. 537,799, published Oct. 5, 1948.
Slips, Ladies'. The Barbison Corporation. 506,373, Feb. 1; Serial No. 525,531.
Slips, Ladies'. Seymour-Avery Manufacturing Company. 506,378, Feb. 1; Serial No. 537,367.
Slips, nightgowns, pajamaes, Ladies', etc. Miss Coquette, Inc. 441,944, Feb. 1; Serial No. 494,229, published Oct. 18, 1948.
Slips, Princess, nightgowns, ladies' uniforms, etc. I. Schneierson & Sons, Inc. 506,254, Feb. 1; Serial No. 540,460, published Sept. 28, 1948.
Socks, Knitted. The Adler Co. 506,143, Feb. 1; Serial No. 514,876, published Oct. 5, 1948.
Sole leather products. J. Greenebaum Tanning Co. 506,212, Feb. 1; Serial No. 533,475, published Sept. 28. 1948.
Soles and heels, Rubber. C. H. Oakley. 79,596, Sept. 20, 1910. Republished Feb. 1.
Soles, Rubber. Essex Rubber Company. 278,203, Dec. 9, 1930. Republished Feb. 1.
Sportswear. P. H. Hanes Knitting Company. 506,196, Feb. 1; Serial No. 531,467, published Oct. 19, 1948.
Sportswear outer garments, Ladies', misses' and children's. W. Netzky. 506,309, Feb. 1; Serial No. 546,865, published Oct. 19, 1948.
Suits, coats, vests, etc., Men's and boys'. Louis Goldsmith, Inc. 506,201, Feb. 1; Serial No. 531,789, published Oct. 19, 1948.
Suits, Men's. Leopold Morse Company. 380,076, Aug. 6, 1940. Republished Feb. 1.
Suits, topcoats, sport coats, and sport jackets. Currick & Leiken Co. Inc. 441,980, Feb. 1; Serial No. 522,318, published Sept. 28, 1948.
Sweaters. Peck & Peck. 364,935, Feb. 21, 1939. Republished Feb. 1.
Sweaters, knitted dresses and jackets, Ladies', misses' and girls'. Sue Shelton, Inc. 506,290, Feb. 1; Serial No. 544,783, published Oct. 5, 1948.
Swim suits, swim shorts, swim and play shorts, etc. Miami Sportswear Co. 441,948–9, Feb. 1; Serial Nos. 500,994–5, published Oct. 19, 1948.
Ties, Bow. B. Greenberg. 506,224, Feb. 1; Serial No. 534,983, published Oct. 19, 1948.
Topcoats, Men's and young men's. Schloss Bros. & Co. Inc. 506,231, Feb. 1; Serial No. 535,883, published Oct. 19, 1948.
Trousers, Men's. J. Wanamaker. 355,248, Mar. 8, 1938. Republished Feb. 1.
Undergarments, Children's. S. & S. Undergarment Company. 506,297, Feb. 1; Serial No. 545,301, published Oct. 12, 1948.
Undergarments, Ladies'. S. & S. Undergarment Company. 506,261, Feb. 1; Serial No. 541,342, published Oct. 12, 1948.
Undergarments, Women's, misses' and junior misses' or girls'. Albert, Inc. 441,981, Feb. 1; Serial No. 522,685, published Oct. 5, 1948.
Underwear. P. H. Hanes Knitting Company. 506,197, Feb. 1; Serial No. 531,469, published Oct. 19, 1948.
Underwear and hosiery, Knitted. Weinerth Knitting & Machine Co. 252,197, renewed Jan. 29, 1949. O. G. Feb. 1.
Underwear and lingerie for ladies' wear. Tri-Star Hosiery Co. 405,467, Feb. 1, 1944. Republished Feb. 1.
Underwear for infants, children and women. Mike Schulman, Inc. 506,288, Feb. 1; Serial No. 544,467, published Oct. 19, 1948.
Underwear for men, women and children, and children's sleepers, Knit and woven. P. H. Hanes Knitting Company. 506,198, Feb. 1; Serial No. 531,471, published Oct. 19, 1948.
Underwear for women and children. Pinehurst Textiles, Inc. 506,136, Feb. 1; Serial No. 506,894, published Oct. 12, 1948.
Underwear, Men's, women's, children's and infants', and children's sleeping garments. Pollack & Katz, Inc. 441,970, Feb. 1; Serial No. 518,558, published Sept. 28, 1948.
Uniforms, Ladies' and men's washable cotton work. Whitehouse Manufacturing Company. 396,091, June 30, 1942. Republished Feb. 1.
Unit assembly consisting of ready cut material, stamped design, embroidery thread and sewing guide chart. Sunitogs of California. 441,952, Feb. 1; Serial No. 510,284, published Oct. 12, 1948.
Wear, Infants' and children's. Jacobs Bros. 506,185, Feb. 1; Serial No. 529,465, published Oct. 5, 1948.
Wearing apparel for women. Peck & Peck. 330,061, Nov. 19, 1935. Republished Feb. 1.
Wearing apparel for women. Peck & Peck. 330,149–51, Nov. 19, 1935. Republished Feb. 1.
Wearing apparel, Women's, misses', and children's and infants'. Storyk Blouses, Inc. 506,138, Feb. 1; Serial No. 511,041, published Oct. 5, 1948.

CLASS 40

Braids used for millinery purposes, Tagal. Henry Pollak, Inc. 506,380, Feb. 1; Serial No. 541,336.
Braids used in the manufacture of hat bodies, Synthetic straw. E. C. Scherrer, Inc. 506,178, Feb. 1; Serial No. 528,648, published Jan. 20, 1948.
Buckles of non-precious metal. Pioneer Suspender Company. 506,150, Feb. 1; Serial No. 518,971, published Oct. 26, 1948.
Buckles of non-precious metal. Pioneer Suspender Company. 506,152, Feb. 1; Serial No. 518,974, published Oct. 26, 1948.
Combs. S. & G. Rubber Company, Inc. 506,242, Feb. 1; Serial No. 537,735, published Oct. 19, 1948.
Crochet hooks for hand use. C. J. Bates & Son. 506,204, Feb. 1; Serial No. 531,989, published Oct. 12, 1948.
Fasteners, supporters, and/or coupling devices. The Governor Fastener Company. 506,307, Feb. 1; Serial No. 546,492, published Oct. 19, 1948.
Forms for combination with garments to mold and shape the figure wearing the garment, shoulder pads, dress shields, etc. Seely Shoulder Pad Corporation. 441,967, Feb. 1; Serial No. 517,927, published Oct. 19, 1948.
Hat braids. Henry Pollak, Inc. 506,256, Feb. 1; Serial No. 540,577, published Aug. 10, 1948.
Pins and hat retainers, Hat band. E. R. Sage. 506,376, Feb. 1; Serial No. 532,163.
Pins and ordinary pins, Safety. New York Merchandise Co., Inc. 506,193, Feb. 1; Serial No. 531,233, published Oct. 19, 1948.
Pins, crochet hooks, afghan hooks, etc., Knitting. Royal Society, Inc. 506,327–8, Feb. 1; Serial Nos. 550,555–6, published Oct. 19, 1948.
Pins, Safety. The Warren Featherbone Company. 506,339, Feb. 1; Serial No. 551,705, published Oct. 19, 1948.
Stamped goods for embroidery and sewing needles, crocheting needles, embroidery needles, etc. Heirloom Needlework Guild, Inc. 506,329, Feb. 1; Serial No. 550,596, published Oct. 19, 1948.
Tape, Hook and eye. The De Long Hook and Eye Company. 441,950, Feb. 1; Serial No. 503,435, published Oct. 19, 1948.
Tapestry and stamped goods, Partly finished needlepoint. Heirloom Needlework Guild, Inc. 506,330, Feb. 1; Serial No. 550,597, published Oct. 19, 1948.

CLASS 41

Umbrellas. George Umbrella Co., Inc. 506,353, Feb. 1; Serial No. 501,906.

CLASS 42

Blankets, Woolen. Pendleton Woolen Mills. 506,303, Feb. 1; Serial No. 545,530, published Oct. 12, 1948.
Cloths and stuffs of wool, worsted, or hair. Sir Jacob Behrens & Sons. 506,338, Feb. 1; Serial No. 551,684, published Sept. 28, 1948.
Cloths and worsteds for garments. The Schwarzwaelder Company. 72,292, Jan. 12, 1909. Republished Feb. 1.
Cotton duck in the piece. William L. Barrell Company. 506,216, Feb. 1; Serial No. 533,976, published Oct. 5, 1948.
Cotton goods in the piece. A. F. Wolff. 506,337, Feb. 1; Serial No. 551,674, published Sept. 28, 1948.
Curtains, Window, table covers, furniture scarfs, and piece goods. The Scranton Lace Company. 506,174, Feb. 1; Serial No. 527,854, published Oct. 5, 1948.
Fabric for baby carriages. Hedstrom-Union Company. 506,199, Feb. 1; Serial No. 531,473, published Oct. 5, 1948.
Fabrics. Manufactures de Produits Chimiques du Nord Etablissements Kuhlmann. 506,179, Feb. 1; Serial No. 528,872, published Oct. 12, 1948.
Fabrics, Awning, and canvas goods. Crawford Manufacturing Co., Inc. 324,286, May 14, 1935. Republished Feb. 1.
Fabrics, Coated and impregnated. The B. F. Goodrich Company. 441,953, Feb. 1; Serial No. 511,811, published Oct. 12, 1948.
Fabrics in the piece. Crompton Company. 506,269, Feb. 1; Serial No. 543,099, published Oct. 5, 1948.

Fabrics in the piece. Crompton Company. 506,270, Feb. 1; Serial No. 543,104, published Oct. 5, 1948.
Fabrics in the piece. Crompton Company. 506,271, Feb. 1; Serial No. 543,112, published Sept. 28, 1948.
Fabrics in the piece. Crompton Company. 506,272, Feb. 1; Serial No. 543,114, published Sept. 28, 1948.
Fabrics in the piece. Crompton Company. 506,273, Feb. 1; Serial No. 543,117, published Sept. 28, 1948.
Fabrics in the piece. Crompton Company. 506,274, Feb. 1; Serial No. 543,127, published Oct. 12, 1948.
Fabrics in the piece. Crompton Company. 506,275, Feb. 1; Serial No. 543,133, published Oct. 12, 1948.
Fabrics in the piece. Crompton Company. 506,276, Feb. 1; Serial No. 543,136, published Oct. 5, 1948.
Fabrics in the piece. Crompton Company. 506,277, Feb. 1; Serial No. 543,144, published Oct. 5, 1948.
Fabrics in the piece. Crompton Company. 506,342, Feb. 1; Serial No. 552,234, published Oct. 5, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 506,347–8, Feb. 1; Serial Nos. 553,403–4, published Oct. 5, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 506,349, Feb. 1; Serial No. 553,406, published Oct. 5, 1948.
Fabrics in the piece. Stunsi Sons Silk Company, Inc. 506,249, Feb. 1; Serial No. 538,824, published Sept. 28, 1948.
Fabrics in the piece, Cotton. Fisba Fabrics, Inc. 506,291, Feb. 1; Serial No. 544,860, published Oct. 12, 1948.
Fabrics made wholly or partially of cellulose derivatives. Celanese Corporation of America. 255,816, renewed Apr. 30, 1949. O. G. Feb. 1.
Glass fiber cloth in the piece, Coated. Irvington Varnish & Insulator Co. 441,979, Feb. 1; Serial No. 522,097, published Oct. 12, 1948.
Linen small wares. York Street Flax Spinning Co. Limited. 506,293, Feb. 1; Serial No. 544,956, published Oct. 12, 1948.
Nettings and veilings. John Heathcoat & Co. 441,974, Feb. 1; Serial No. 519,952, published Sept. 28, 1948.
Piece goods. Joseph Berlinger Company. 506,294, Feb. 1; Serial No. 544,967, published Oct. 12, 1948.
Piece goods. Bloomsburg Mills, Inc. 506,344, Feb. 1; Serial No. 552,567, published Oct. 5, 1948.
Piece goods. Heirloom Needlework Guild, Inc. 358,955, July 26, 1938. Republished Feb. 1.
Piece goods. Peck & Peck. 302,665, Apr. 25, 1933. Republished Feb. 1.
Piece goods. Pepperell Manufacturing Company. 506,341, Feb. 1; Serial No. 552,004, published Oct. 5, 1948.
Piece goods. Stonecutter Mills Corporation. 506,253, Feb. 1; Serial No. 540,334, published Sept. 28, 1948.
Piece goods and pure woolen blankets, Woolen. D. W. Farnsworth. 506,264, Feb. 1; Serial No. 541,822, published Oct. 12, 1948.
Piece goods, Cotton. Richard Haworth and Company Limited. 70,631, Sept. 15, 1908. Amended. O. G. Feb. 1.
Piece goods, Cotton. Robinson & Golluber. 249,089, renewed Nov. 6, 1948. O. G. Feb. 1.
Piece goods of rayon yarns. Foreman Fabrics Corp. 441,958, Feb. 1; Serial No. 514,020, published June 15, 1948.
Piece goods, Plain white, dyed, or printed cotton. Consolidated Textile Co., Inc. 506,164, Feb. 1; Serial No. 525,300, published Sept. 28, 1948.
Piece goods, Woolen and worsted. F. R. Allmann. 506,289, Feb. 1; Serial No. 544,526, published Oct. 12, 1948.
Piece goods, Woolen and worsted. D. W. Farnsworth. 506,266, Feb. 1; Serial No. 542,019, published Oct. 12, 1948.
Pillow cases. Riegel Textile Corporation. 506,332, Feb. 1; Serial No. 550,831, published Sept. 28, 1948.
Quilts and tops of quilts. Heirloom Needlework Guild, Inc. 414,008, May 22, 1945. Republished Feb. 1.
Rags, Wiping, cleaning and polishing. Southern Waste Material Company, Inc. 506,278, Feb. 1; Serial No. 543,230, published Sept. 28, 1948.
Ribbons, Century Ribbon Mills, Inc. 506,234, Feb. 1; Serial Nos. 537,004, published Oct. 12, 1948.
Sheeting, Plastic, Blanchard Deco-Plastics, Inc. 506,233, Feb. 1; Serial No. 536,491, published Oct. 12, 1948.
Sheets, Bed. F. M. Kromer. 506,142, Feb. 1; Serial No. 514,279, published Oct. 12, 1948.
Silks in the piece, Broad. The Schwarzenbach-Huber Company. 506,350, Feb. 1; Serial No. 553,407, published Oct. 5, 1948.
Textile fabrics in the piece of rayon. Folker Fabrics Corporation. 506,282, Feb. 1; Serial No. 543,804, published Oct. 12, 1948.
Textile fabrics, Woven. Cameo Fabrics, Inc. 506,232, Feb. 1; Serial No. 536,046, published Oct. 12, 1948.
Ticking. Wennonah Cotton Mills Company. 506,346, Feb. 1; Serial No. 553,228, published Oct. 5, 1948.
Towels, Bath and hand, wash cloths, and bath mats. Marshall Field & Company. 506,340, Feb. 1; Serial No. 551,905, published Oct. 5, 1948.
Towls, Turkish. Boott Mills. 245,674, Aug. 21, 1928. Republished Feb. 1.

CLASS 43

Linen, Cotton, silk, and mercerized, and rayon thread, and cotton yarn. Julius Cohen & Sons, Inc. 506,263, Feb. 1; Serial No. 541,811, published Oct. 19, 1948.
Thread. Heirloom Needlework Guild, Inc. 441,969, Feb. 1; Serial No. 518,223, published Oct. 19, 1948.

Thread. The Linen Thread Co., Inc. 506,217, Feb. 1; Serial No. 534,028, published Oct. 19, 1948.
Thread. Standard-Coosa-Thatcher Company. 506,176, Feb. 1; Serial No. 528,124, published Oct. 19, 1948.
Thread. Standard-Coosa-Thatcher Company. 506,177, Feb. 1; Serial No. 528,137, published Oct. 19, 1948.
Thread and yarn. The Spool Cotton Company. 506,335, Feb. 1; Serial No. 551,058, published Oct. 26, 1948.
Thread, Elastic. Dritz-Traum Company, Inc. 369,467, July 25, 1939. Republished Feb. 1.
Thread, Sewing. Century Thread Corp. 441,971–2, Feb. 1; Serial Nos. 518,655–6, published Oct. 19, 1948.
Threads, Rubber. Rhee Elastic Thread Corporation. 506,334, Feb. 1; Serial No. 551,044, published Oct. 26, 1948.
Yarn. Heirloom Needlework Guild, Inc. 370,961, Sept. 12, 1939. Republished Feb. 1.
Yarn, Wool. Heirloom Needlework Guild, Inc. 413,179, Apr. 10, 1945. Republished Feb. 1.
Yarns. B. Altmann. 506,333, Feb. 1; Serial No. 550,886, published Oct. 26, 1948.
Yarns, Cotton. Burlington Mills Corporation. 506,306, Feb. 1; Serial No. 546,861, published Oct. 19, 1948.
Yarns wholly or mainly of wool or worsted. Bates & Co. (Huddersfield), Limited. 506,343, Feb. 1; Serial No. 552,530, published Oct. 26, 1948.
Yarns, Woolen, and knitting worsted. S. S. Kresge Company. 506,336, Feb. 1; Serial No. 551,112, published Oct. 26, 1948.

CLASS 44

Hearing aid under garments and devices. Hechler Brothers, Incorporated. 355,882, Apr. 5, 1938. Republished Feb. 1.
Operating or preparation tables used in the undertaking business, Professional Manufacturing Company. 506,369, Feb. 1; Serial No. 522,743.

CLASS 46

Apples, Fresh. H. F. Byrd. 254,636, renewed Mar. 26, 1949. O. G. Feb. 1.
Avocados, Fresh, and fresh vegetables. Williams-Newton Company, Incorporated. 434,977, Dec. 9, 1947. Republished Feb. 1.
Bakery goods. Helms Bakeries. 356,709–10, May 10, 1938. Republished Feb. 1.
Bakery goods. Helms Bakeries. 360,431, Sept. 20, 1938. Republished Feb. 1.
Bread. Helms Bakeries. 385,838, Mar. 18, 1941. Republished Feb. 1.
Candies. E. J. Brach & Sons. 347,120, June 15, 1937. Republished Feb. 1.
Candies. E. J. Brach & Sons. 349,978, Sept. 14, 1937. Republished Feb. 1.
Candies. E. J. Brach & Sons. 352,782, Dec. 14, 1937. Republished Feb. 1.
Candy. Barricini Inc. 342,850, Feb. 2, 1937. Republished Feb. 1.
Candy. E. J. Brach & Sons. 224,664, Mar. 1, 1927. Republished Feb. 1.
Candy. E. J. Brach & Sons. 224,991, Mar. 8, 1927. Republished Feb. 1.
Candy. E. J. Brach & Sons. 344,465, Mar. 23, 1937. Republished Feb. 1.
Candy. E. J. Brach & Sons. 396,274, May 19, 1942. Republished Feb. 1.
Candy, Chicky Candies, Inc. 347,082, Jan. 15, 1937. Republished Feb. 1.
Candy, Pop-corn. W. C. O'Sullivan. 272,775, July 15, 1930. Republished Feb. 1.
Candy, table syrup, jellies and peanut butter. General Food Products Co. 326,848, Aug. 6, 1935. Republished Feb. 1.
Canned asparagus. Minnesota Valley Canning Company. 434,921, Dec. 9, 1947. Republished Feb. 1.
Canned asparagus. Minnesota Valley Canning Company. 434,924, Dec. 9, 1947. Republished Feb. 1.
Canned clams, canned crabmeat, canned salmon, and canned tuna. G. Strand. 506,134, Feb. 1; Serial No. 503,952, published Oct. 19, 1948.
Canned corn with peppers. Minnesota Valley Canning Company. 434,922, Dec. 9, 1947. Republished Feb. 1.
Canned fish. N. Alhadeff. 377,346, Apr. 30, 1940. Republished Feb. 1.
Canned fish. P. E. Harris & Co. 255,737, renewed Apr. 30, 1949. O. G. Feb. 1.
Canned fruit juices. California Canners Associates. 506,135, Feb. 1; Serial No. 506,006, published Oct. 12, 1948.
Canned fruits. Washington Canners Cooperative. 506,206, Feb. 1; Serial No. 532,384, published July 27, 1948.
Canned fruits and vegetables, canned fish roe and canned shellfish, etc. H. P. Taylor, Jr., Inc. 336,457, July 7, 1936. Republished Feb. 1.
Canned fruits, canned olives, olive oil, etc. Supreme Olive Oil Corporation. 357,560, June 7, 1938. Republished Feb. 1.
Canned fruits, canned vegetables. Olympia Canning Company. 254,812, renewed Apr. 2, 1949. O. G. Feb. 1.
Canned oysters and canned salmon. I. C. H. Wendt. 385,696, Mar. 11, 1941. Republished Feb. 1.
Canned peas. Minnesota Valley Canning Company. 434,923, Dec. 9, 1947. Republished Feb. 1.

Canned peas, canned corn, canned beans, and canned tomatoes. Aunt Nellie's Farm Kitchen, Inc. 255,953, renewed Apr. 30, 1949. O. G. Feb. 1.
Canned salmon. Oceanic Sales Company. 266,753, Feb. 4, 1930. Republished Feb. 1.
Canned salmon. Oceanic Sales Co. 268,247, Mar. 11, 1930. Republished Feb. 1.
Canned salmon. Pacific American Fisheries, Inc. 434,214, Nov. 11, 1947. Republished Feb. 1.
Canned salmon. Point Adams Packing Co. 255,529, renewed Apr. 28, 1949. O. G. Feb. 1.
Canned tomato juice and canned grapefruit juice. Knapp-Sherrill Company. 433,004, Sept. 23, 1947. Republished Feb. 1.
Canned vegetables and canned tomato juice. H. P. Cannon & Son, Inc. 506,248, Feb. 1; Serial No. 538,498, published Oct. 12, 1948.
Celery, Fresh. Chula Vista Vegetable Exchange. 335,064, May 19, 1936. Republished Feb. 1.
Cereal grain. General American Transportation Corporation. 506,352, Feb. 1; Serial No. 558,883, published Oct. 12, 1948.
Cheese. P. Jensen. 506,188, Feb. 1; Serial No. 530,006, published Oct. 5, 1948.
Cheese. Purity Cheese Company. 506,129, Feb. 1; Serial No. 495,503, published Oct. 19, 1948.
Chocolate, cocoa powder, assorted chocolates, and candy. Aktiengesellschaft Chocolat Tobler. 441,962, Feb. 1; Serial No. 516,111, published Oct. 12, 1948.
Coffees. Duncan Coffee Company. 506,240, Feb. 1; Serial No. 537,575, published Oct. 12, 1948.
Corn chops, corn meal and oats. J. T. Gibbons, Inc. 506,157, Feb. 1; Serial No. 519,939, published Oct. 19, 1948.
Dressings, Salad. V. Beam. 441,978, Feb. 1; Serial No. 521,736, published Oct. 19, 1948.
Emulsifier of shortening and water. Hachmeister Incorporated. 506,155, Feb. 1; Serial No. 519,751, published Oct. 19, 1948.
Feed for dairy stock. St. Albans Grain Company. 249,733, renewed Nov. 20, 1948. O. G. Feb. 1.
Feed for poultry and live stock, Prepared. H. L. Wright. 441,956, Feb. 1; Serial No. 513,089, published Sept. 28, 1948.
Feed, Horse. St. Albans Grain Company. 247,332, renewed Sept. 25, 1948. O. G. Feb. 1.
Figs, Dried. California Fig Growers & Packers, Inc. 355,743, Mar. 29, 1938. Republished Feb. 1.
Flavor extracts for food purposes. National Tea Co. 441,964, Feb. 1; Serial No. 516,562, published Oct. 12, 1948.
Flour, Cake. Voigt Milling Company. 398,359, Oct. 27, 1942. Republished Feb. 1.
Flour, Doughnut. Ph. Orth Company. 441,957. Feb. 1; Serial No. 515,638, published Oct. 12, 1948.
Flour mixes. Standard Milling Company. 506,154, Feb. 1; Serial No. 519,352, published Oct. 19, 1948.
Flour, Wheat. The New Century Milling Company. 47,061, Oct. 24, 1905. Republished Feb. 1.
Flour, Wheat. Pillsbury Flour Mills Company. 239,864, renewed Mar. 13, 1948. O. G. Feb. 1.
Flour, Wheat. Texas Star Flour Mills. 77,343, Mar. 29, 1910. Republished Feb. 1.
Flour, Wheat. Voigt Milling Company. 366,442, Apr. 11, 1930. Republished Feb. 1.
Food for infants. Specially prepared. Mead Johnson & Company. 506,147, Feb. 1; Serial No. 516,616, published Oct. 19, 1948.
Fruit, Fresh citrus. Glendora Co-Operative Citrus Association. 354,461-2, Feb. 15, 1938. Republished Feb. 1.
Fruit, Fresh citrus. Redlands Mutual Orange Association. 356,190, Apr. 19, 1938. Republished Feb. 1.
Fruit, Fresh citrus. The Riverside Heights Orange Growers Association. 366,345, Apr. 11, 1939. Republished Feb. 1.
Fruit, Fresh citrus. Teague-McKevett Association. 370,116-17, Aug. 15, 1939. Republished Feb. 1.
Fruit, Fresh citrus. Upland Lemon Growers Association. 350,295, Sept. 21, 1937. Republished Feb. 1.
Fruit preserves. Allison-Bedford Company. 506,260, Feb. 1; Serial No. 541,063, published Oct. 12, 1948.
Fruits and vegetables, Frozen. Pan-Am Freezers, Inc. 506,139, Feb. 1; Serial No. 511,635, published Oct. 19, 1948.
Fruits, Fresh. Suisun Valley Fruit Grower's Association. 236,738, renewed Dec. 20, 1947. O. G. Feb. 1.
Fruits, Fresh citrus. Donna Fruit Company. 434,610, Nov. 25, 1947. Republished Feb. 1.
Fruits, Fresh citrus. Pomona Fruit Growers Exchange. 245,832, renewed Aug. 21, 1948. O. G. Feb. 1.
Fruits, Fresh citrus. The Riverside Heights Orange Growers Association. 285,604, July 28, 1931. Republished Feb. 1.
Fruits, Fresh deciduous. Wenatchee Jim Hill Growers, Inc. 325,302, June 18, 1935. Republished Feb. 1.
Gelatin dessert. Postum Company, Incorporated. 250,035, Nov. 27, 1928. Amended. O. G. Feb. 1.
Grapes, Fresh. A. Giolitti. 368,869, July 4, 1939. Republished Feb. 1.
Honey. H. H. Schumacher. 310,328, Feb. 20, 1934. Republished Feb. 1.
Honey. H. H. Schumacher. 311,152, Mar. 13, 1934. Republished Feb. 1.
Honey. H. H. Schumacher. 359,173, Aug. 9, 1938. Republished Feb. 1.
Lecithin concentrate. A. E. Staley Manufacturing Company. 506,159, Feb. 1; Serial No. 520,360, published Oct. 19, 1948.
Lemons, Fresh. Orange Belt Fruit Distributors. 506,161, Feb. 1; Serial No. 528,002, published Oct. 19, 1948.
Malt syrup. Jackson Brewing Company. 252,538, renewed Feb. 12, 1949. O. G. Feb. 1.
Milk, Dried skimmed. M. Staff. 370,675, Sept. 5, 1939. Republished Feb. 1.
Milk, Evaporated, fresh cream, and fresh milk. Amboy Milk Products Company. 506,162, Feb. 1; Serial No. 523,232, published Oct. 19, 1948.
Mustard, Prepared, and prepared mustard cream salad, and spices. C. A. Murdock Mfg. Co. 179,602, Feb. 12, 1924. Republished Feb. 1.
Olive oil. D. G. Konidis. 241,734, May 8, 1928. New certificate. O. G. Feb. 1.
Packing house products. E. M. Todd Co. 301,810, Mar. 14, 1933. Republished Feb. 1.
Pop corn. American Pop Corn Company. 144,682, July 19, 1921. Republished Feb. 1.
Pop corn. American Pop Corn Company. 289,192, Nov. 24, 1931. Republished Feb. 1.
Popcorn, Popped. Adams & Brooks. 360,166, Sept. 6, 1938. Republished Feb. 1.
Popcorn, Raw. Adams & Brooks. 359,257, Aug. 9, 1938. Republished Feb. 1.
Salad and cooking oils, Edible. A. Castello. 441,966, Feb. 1; Serial No. 517,700, published Oct. 19, 1948.
Salad dressing. The Great Atlantic & Pacific Tea Company. 506,173, Feb. 1; Serial No. 527,384, published Oct. 26, 1948.
Sauce made of tomatoes and spices. W. F. Rothe. 441,965. Feb. 1; Serial No. 516,921, published Oct. 12, 1948.
Shortening. Interstate Cotton Oil Refining Co. 117,868, Aug. 7, 1917. Republished Feb. 1.
Soda, Baking (Bicarbonate of Soda). Church & Dwight Co., Inc. 506,170, Feb. 1; Serial No. 526,752, published Oct. 19, 1948.
Vegetable fats, Edible. The Procter & Gamble Company. 441,975. Feb. 1; Serial No. 520,413, published Oct. 19, 1948.
Vegetable oil, Edible. C. F. Simonin's Sons, Inc. 441,968, Feb 1; Serial No. 517,928, published Oct. 19, 1948.
Vegetable oils for food purposes, canned and bottled fruits and vegetables, etc. Symar Packing Corporation. 355,858, Apr. 5, 1938. Republished Feb. 1.
Vegetables, Fresh. P. F. Likins. 433,079, Sept. 23, 1947. Republished Feb. 1.
Vegetables, Fresh. T. M. Parks. 315,777, Apr. 7, 1934. Republished Feb. 1.
Vegetables, Fresh. T. M. Parks. 323,352, Apr. 9, 1935. Republished Feb. 1.
Vegetables, Fresh. Savannah Truckers Exchange. 175,121, Oct. 30, 1923. Republished Feb. 1.
Vegetables, Fresh. Marty Sherman Company. 506,148, Feb. 1; Serial No. 518,359, published Oct. 19, 1948.

CLASS 47

Champagne. Ellena Brothers. 370,402, Aug. 29, 1939. Republished Feb. 1.
Wines. Ehrman Bros., Horn & Co. 313,154, May 15, 1934. Republished Feb. 1.
Wine. Ellena Bros. 311,858, Apr. 10, 1934. Republished Feb. 1.

CLASS 49

Brandy. Western United Distributors. 430,950, July 1, 1947. Republished Feb. 1.
Brandy, gin, and whiskey. Ellena Bros. 326,396, July 23, 1935. Republished Feb. 1.
Whiskey. Jos. S. Finch & Company. 322,845, Mar. 19, 1935. Republished Feb. 1.

CLASS 50

Awnings. Crawford Manufacturing Co. Inc. 322,930, May 7, 1935. Republished Feb. 1.

CLASS 55

Cleaning, pressing, and dyeing of clothing, wearing apparel, and textiles. Jefferson Cleaners. 506,386, Feb 1; Serial No. 529,267.

LIST OF PLANT PATENTEES

Andre Greenhouses, Inc., assignee: *See*—
Andre, Thomas J.
Andre, Thomas J., assignor to Andre Greenhouses, Inc., Doylestown, Pa. Rose plant. 822, Feb. 1.
Wickersham, Jesse A., Yakima County, Wash. Peach tree. 821, Feb. 1.

LIST OF DESIGN PATENTEES

Barnes, Frieda, Cleveland, Ohio. Container for powdered soap or similar article. 152,513, Feb. 1.
Bloom, Charles, Inc., assignee: *See*—
Hamre, Marion R.
Braun, Julius, Chicago, Ill. Bottle. 152,514, Feb. 1.
Braun, Julius, Chicago, Ill. Bottle. 152,515, Feb. 1.
Brown Sales & Engineering, Inc., assignee: *See*—
Brown, Ted C.
Brown, Ted C., assignor to Brown Sales & Engineering, Inc., Rising Sun, Ind. Fan housing. 152,516, Feb. 1.
Chernow, Michael, New York, N. Y. Earring or similar article. 152,517, Feb. 1.
Clime, Albert H., assignee: *See*—
MacLean, Malcolm A.
Coffman, Joe W., and F. O. Trump, Binghamton, assignors to General Aniline & Film Corporation, New York, N. Y. Combined printing and developing machine. 152,518, Feb. 1.
Cramer, Maurice D., Chicago, Ill. Blanket or similar fabric article. 152,519, Feb. 1.
Da-Lite Screen Company, Inc., assignee: *See*—
Heck, John T., Du Mais, and Talbot.
D'Arcy, James A., Harrison, Mich. Statuette. 152,520, Feb. 1.
Dean, Naomi M., Auxvasse, Mo. Tray. 152,521, Feb. 1.
Deutsch, Elsa, Bat Cave, N. C. Brooch or similar article. 152,522, Feb. 1.
Du Mais, Leo J.: *See*—
Heck, John T., Du Mais, and Talbot.
Duncan, John L., and B. Martin, Chicago, Ill. Box or the like. 152,523, Feb. 1.
Ekco Products Company, assignee: *See*—
Hvale, James L.
Federal Telephone and Radio Corporation, assignee: *See*—
Little, John M.
Flatt, Clarence C., Behoboth Beach, Del. Rocking toy. 152,524, Feb. 1.
Friedman, Harry K., New York, N. Y. Knife or similar article of flatware. 152,525, Feb. 1.
Geiser, Theodore F., Roselle, N. J. Fish lure. 152,526, Feb. 1.
General Aniline & Film Corporation, assignee: *See*—
Coffman, Joe W., and Trump.
General Electric Company, assignee: *See*—
Wesche, Arthur C.
Gibson, Dorothy, assignor to Dorothy Gibson Perfumes Corp., New York, N. Y. Perfume bottle. 152,527, Feb. 1.
Gibson, Dorothy Perfumes Corp., assignee: *See*—
Gibson, Dorothy.
Godfrey, Charles, Philadelphia, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J. Pencil sharpener. 152,528, Feb. 1.
Halpern, Milton M., New York, N. Y. Hosiery display device. 152,529, Feb. 1.
Hampel, John R., Pewaukee, assignor to Milwaukee Saddlery Company, Milwaukee, Wis. Motorcycle saddle bag. 152,530, Feb. 1.
Hamre, Marion R., Oceanside, N. Y. Fabric. 152,531, Feb. 1.
Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,532, Feb. 1.
Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,533, Feb. 1.
Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,534, Feb. 1.
Hamre, Marion R., Oceanside, assignor to Charles Bloom Inc., New York, N. Y. Textile fabric or similar article. 152,535, Feb. 1.
Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen base. 152,536, Feb. 1.
Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Portable picture screen. 152,537, Feb. 1.
Heck, John T., Elmhurst, and L. J. Du Mais and C. O. Talbot, assignors to Da-Lite Screen Company, Inc., Chicago, Ill. Combined cap and latch for screen holder. 152,538, Feb. 1.
Henkel, Andrew L., Chicago, Ill. Pot and pan handle. 152,539, Feb. 1.
Heward, Frederick R., Burlingame, Calif. Tilting support for photographic cameras or the like. 152,540, Feb. 1.
Hobé, William W., New York, N. Y. Brooch or similar article. 152,541, Feb. 1.
Howard, Earl J., Duluth, Minn. Fishing lure. 152,542, Feb. 1.
Howard, Joseph O., assignor to L. J. Segil Company, Chicago, Ill. Lighting fixture end plate. 152,543, Feb. 1.
Hunt, C. Howard, Pen Co., assignee: *See*—
Godfrey, Charles.
May, Robert A.
Hvale, James L., assignor to Ekco Products Company, Chicago, Ill. Toy animal figure. 152,544, Feb. 1.
Israel, Joseph, New York, N. Y. Radiator cabinet or the like. 152,545, Feb. 1.
Land, Frank S., Kansas City, Mo. Badge. 152,546, Feb. 1.
Lang, Irving M., New York, N. Y. Combined lipstick case and perfume vial. 152,547, Feb. 1.
Lilly, Mark R., Louisville, Ky. Shoehorn. 152,548, Feb. 1.
Link, Charlotte M., assignor to E. J. McAleer and Co., Inc., Philadelphia, Pa. Display stand. 152,549, Feb. 1.
Little, John M., Toledo, Ohio, assignor to Federal Telephone and Radio Corporation, New York, N. Y. Washing machine. 152,550, Feb. 1.
Mackelfresh, William E., Jr., Chicago, Ill. Candle holder. 152,551, Feb. 1.
Mackelfresh, William E., Jr., Chicago, Ill. Candle holder. 152,552, Feb. 1.
MacLean, Malcolm A., West Bridgewater, assignor to A. H. Clime, North Abington, Mass. Bottle or similar container. 152,553, Feb. 1.
Martin, Bryce: *See*—
Duncan, John L., and Martin.
May, Robert A., Wynnewood, Pa., assignor to C. Howard Hunt Pen Co., Camden, N. J. Pencil sharpener. 152,554, Feb. 1.
McAleer, E. J., and Co., Inc., assignee: *See*—
Link, Charlotte M.
Millard, Glen E., St. Paul, Minn. Display case. 152,555, Feb. 1.
Milwaukee Saddlery Company, assignee: *See*—
Hampel, John R.
Muramatsu, Misao, Los Angeles, Calif. Sewing accessory or similar article. 152,556, Feb. 1.
Nielsen, Clayton M., Alhambra, Calif. Portable photographic laboratory. 152,557, Feb. 1.
Paolino, Angelina M., Los Angeles, Calif. Tiered tray. 152,558, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,559, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,560, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,561, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,562, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,563, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,564, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,565, Feb. 1.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Earring or similar article. 152,566, Feb. 1.
Rupe, Donald D., Des Moines, Iowa. Toy bank. 152,567, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,568, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,569, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,570, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,571, Feb. 1.
Sandler, Jacob, New York, N. Y. Shoe. 152,572, Feb. 1.
Schultz, Paul, Bally, Pa. Lamp stand. 152,573, Feb. 1.
Segil, L. J., Company, assignee: *See*—
Howard, Joseph O.

Talbot, Curtis O.: *See*—
Heck, John T., Du Mais, and Talbot.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Trump, Frederick O.: *See*—
Coffman, Joe W., and Trump.
Turner, Lawrence M., North Abington, Mass. Holder for paper sundae dish. 152,574, Feb. 1.
Turpin, Annette T., Los Angeles, Calif. Picture birthday memo book. 152,575, Feb. 1.
Wallace, Sadye J., New York, N. Y. Stroller or similar article. 152,576, Feb. 1.
Wasserman, Martin, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system master station unit. 152,577, Feb. 1.
Wasserman, Martin, assignor to Webster Electric Company, Racine, Wis. Intercommunicating system station unit. 152,578, Feb. 1.
Webster Electric Company, assignee: *See*—
Wasserman, Martin.
Weseche, Arthur C., Bridgeport, Conn., assignor to General Electric Company. Cabinet for a bottled beverage cooling unit or similar article. 152,579, Feb. 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbot, Charles Greeley, Washington, D. C. Solar heat collector. 2,460,482, Feb. 1.
Abel, Logan F., assignor of one-third to C. P. McKinney and one-third to J. C. Barnard, Marlow, Okla. Drill pipe cleaner. 2,460,481, Feb. 1.
Abrams, Albert: *See*—
Abrams, Samuel M., and Abrams.
Abrams, Samuel M., and Albert, Brooklyn, N. Y. Sanitated shoe tree construction. 2,460,405, Feb. 1.
Adams, Chester E.: *See*—
Schomaker, Bernard H., Adams, and Proell.
Aerovox Corporation, assignee: *See*—
Gardner, Guy B.
Alden, Carroll E., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic system. 2,460,440, Feb. 1.
Alexander, Arthur S., New York, N. Y. Rear-vision mirror for automobiles. 2,460,406, Feb. 1.
Allen, Adda M., Arlington, Va., and M. L. Van Evera, Washington, D. C., assignors to Disposable Bottle Corp., Wilmington, Del. Nursing unit. 2,460,329, Feb. 1.
Allen, Chester H.: *See*—
Whiteside, Robert S., and Allen.
Allen, Harry L., Philadelphia, Pa., and E. G. Kerr, Haddonfield, N. J., assignors to Allied Chemical & Dye Corporation, New York, N. Y. Resinous reaction products. 2,460,724, Feb. 1.
Allied Chemical & Dye Corporation, assignee: *See*—
Allen, Harry L., and Kerr.
Gould, David F.
Guthrie, Thomas and Evans.
Wechly, Franz.
Allied Plastics Company, assignee: *See*—
Treiman, Morris.
Aluminum Company of America, assignee: *See*—
Cook, Mark F.
Aluminum Folding Crutch Company: *See*—
Kraska, Reinhold M.
Amacker, Thad M., Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y. Chlorination of phthalic anhydride. 2,460,564, Feb. 1.
Amacker, Thad M., Baton Rouge, La., assignor to The B. F. Goodrich Company, New York, N. Y. Vapor phase chlorination of phthalic anhydride. 2,460,565, Feb. 1.
American Can Company, assignee: *See*—
Begg, Thomas.
Jacobs, Samuel S., and Peterson.
Kinney, William F.
Woolford, Custis S.
American Cyanamid Company, assignee: *See*—
Brouillard, Robert E., and Baumgarten.
Lecher, Hans Z., Brouillard, and Baumgarten.
Nolan, Kenneth G., Morgan, and Fletcher.
American Laundry Machinery Company, The, assignee: *See*—
Brenner, Robert W., and Petre.
American Optical Company, assignee: *See*—
Lowber, David D., Readon, and Collyer.
American Steel and Wire Company of New Jersey, assignee: *See*—
O'Hare, Martin.
American Sugar Refining Company, The, assignee: *See*—
Irvine, William L.
American Telephone and Telegraph Company, assignee: *See*—
Pigman, George R.
American Viscose Corporation, assignee: *See*—
McDermott, Henry J.
Schlatter, Carl, and Holmberg.
Anderson, John: *See*—
McAllister, Sumner H., Anderson, and Peterson.
Anderson, Mina B.: *See*—
Oliver, Henry L., and Anderson.
Andrew, John P., New Rochelle, N. Y., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Removable core lock. 2,460,615, Feb. 1.
Andrus, Orrin E., Altadena, Calif. Washer for garden hose couplings. 2,460,407, Feb. 1.
Appel, Everett H., Aurora, Ill. Agricultural loading machine. 2,460,441, Feb. 1.
Appeldoorn, William R., Detroit, Mich. Personal body air conditioning device. 2,460,269, Feb. 1.
Appleton, John F., Seattle, Wash. Grass-catching attachment for shears. 2,460,616, Feb. 1.
Armington, George E., South Euclid, assignor to The Euclid Road Machinery Co., Euclid, Ohio. Springing arrangement for tractor-trailers. 2,460,725, Feb. 1.
Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Surface roughness measuring device. 2,460,726, Feb. 1.
Ashley, Donald S., Cleverdale, and W. H. Weaver, Glen Falls, N. Y.; said Weaver assignor to said Ashley. Valve. 2,460,270, Feb. 1.
Askania Regulator Company, assignee: *See*—
Glass, Paul.
Attorney General of the United States, Vested in: *See*—
Muller, Gesa W.
Wolff, Julius.
Atwood, Winfield A., Yeadon, and E. W. Boehne, Drexel Hill, Pa., assignors to General Electric Company. Arc extinguishing device. 2,460,727, Feb. 1.
Automatic Kneeler Corporation, assignee: *See*—
Bernhard, Benjamin S.
Autophon Aktiengesellschaft, assignee: *See*—
Tachumi, Otto.
Aversa, Joseph, Brooklyn, N. Y. Combination tie clasp and chambered holder. 2,460,728, Feb. 1.
Aycock, Walter F., El Centro, assignor, by mesne assignments, to Tank Fertilizer, Inc., Brawley, Calif. Trailer. 2,460,442, Feb. 1.
Ayers, Fred L., Waltham, Mass. Shoe with integral insole and backstay. 2,460,609, Feb. 1.
Babicky, Walter J., Milwaukee, Wis. Amplified accordion. 2,460,408, Feb. 1.
Baccaro, Frank P., San Francisco, Calif. Building block. 2,460,330, Feb. 1.
Baker, Edward P., New York, N. Y. Apparatus for dehydrating petroleum products in situ in tank storage. 2,460,271, Feb. 1.
Baldwin Locomotive Works, The, assignee: *See*—
Sonntag, Alfred.
Ball, Rowland E.: *See*—
Gaylord, James M., and Ball.
Balogh, Roy O., assignor to The Weatherhead Company, Cleveland, Ohio. Planetary piston fuel pump. 2,460,617, Feb. 1.
Barber-Colman Company, assignee: *See*—
Drake, Russell P.
Barnard, J. C.: *See*—
Abel, Logan F.
Bartolat, Joseph J., Fort Lewis, Wash. Carbine tool. 2,460,272, Feb. 1.
Barton, Donald E., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam structure. 2,460,670, Feb. 1.
Basford, Frederick R., F. H. S. Curd, and F. L. Rose, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. 2-benziminasoyl-amino pyrimidines. 2,460,409, Feb. 1.
Baumann, Frederick W., Schenectady, N. Y., assignor to General Electric Company. Commutator machine control. 2,460,729, Feb. 1.
Baumgarten, Erwin: *See*—
Brouillard, Robert E., and Baumgarten.
Lecher, Hans Z., Brouillard, and Baumgarten.
Baumwoll-Spinnerei & Weberei Wettingen, assignee: *See*—
Lanz, Adolf.
Becker, Sam B.: *See*—
Johnson, Everett A., and Becker.
Begg, Thomas, Nutley, N. J., assignor to American Can Company, New York, N. Y. Producing can bodies having vented side seams. 2,460,273, Feb. 1.
Belden, Albert G., and C. G. Flygare, assignors to Norton Company, Worcester, Mass. Crankpin grinding apparatus. 2,460,731, Feb. 1.
Beldue, William J.: *See*—
Tuttle, William R., and Beldue.
Bell, David H., Overland, Mo. Cigarette container. 2,460,730, Feb. 1.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Best, Fred H., and Pierce.
Germanton, Charles E.
Klyce, Battle H., Jr.
Mallery, Paul.
Mason, Warren P.
Southworth, George C.
Wagar, Harold N.
Bendix Aviation Corporation, assignee: *See*—
Frei, Jakob R.
Trautman, Walter C.
Benedick, Joseph M., Wilmar, Calif. Positioning means. 2,460,671, Feb. 1.
Benedik, Fedor, New York, N. Y. Thimble-needle threader. 2,460,672, Feb. 1.
Benioff, Hugo, Pasadena, Calif., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Submarine signaling apparatus. 2,460,274, Feb. 1.
Benson, Ernest H., Kansas City, Mo. Barrel. 2,460,410, Feb. 1.

Benton, John M., West Palm Beach, Fla. Photographic enlarger exposure indicator. 2,460,443, Feb. 1.

Berger, Barron D.: *See*—
Martin, George B., and Berger.

Bergman, Charles P., Brooklyn, N. Y., and M. Cornell, Cleveland, Ohio, assignors to Rockwell Manufacturing Company. Predetermining dispensing system. 2,460,275, Feb. 1.

Bergstrom, Carl P., Millbury, and A. J. Herard, Jr., assignors to Crompton & Knowles Loom Works, Worcester, Mass. Automatic pick and pick loom. 2,460,319, Feb. 1.

Bering, Lynn, Hollywood, Calif. Face powder container. 2,460,444, Feb. 1.

Berliner, Henry A., Washington, D. C., assignor to Engineering and Research Corporation, Riverdale, Md. Cutting means for metal stretching dies. 2,460,483, Feb. 1.

Bernas, Robert, assignor to M. N. Yardeny, New York, N. Y. Electric motor control apparatus with automatic "z" effect. 2,460,276, Feb. 1.

Bernasconi, Eduard, assignor to Ciba Limited, Basel, Switzerland. Triazine azo dyes. 2,460,618, Feb. 1.

Bernhard, Benjamin S., New Britain, assignor, by mesne assignments, to Automatic Kneeler Corporation, Hartford, Conn. Retracting device for kneeling benches. 2,460,791, Feb. 1.

Berscheid, Irvine J. Bissett, Manitoba, Canada. Detachable bit. 2,460,673, Feb. 1.

Best, Fred H., Mountainside, and J. R. Pierce, Millburn, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrode unit assembly. 2,460,484, Feb. 1.

Beverleigh, Elmar R., Oakland, assignor to A. W. Shaw, San Francisco, Calif. Saw-filing machine. 2,460,331, Feb. 1.

Beynon, Nathan T., Dayton, Ohio, assignor to New Wrinkle, Inc., Wilmington, Del. Flexible wrinkle coated material and producing same. 2,460,485, Feb. 1.

Bigler, Charles W., Cedar Falls, Iowa. Adjustable weight for golf club heads. 2,460,445, Feb. 1.

Bihaly, Lajos, assignor to Trubenised Limited, London, England. Shaped fabric article. 2,460,674, Feb. 1.

Blackstone & Company Limited, assignee: *See*—
Hallewell, George.

Blampain, Henri, assignor to S. Goldberg, Paris, France. Alarm clock and like apparatus. 2,460,486, Feb. 1.

Bockins, L. V., assignee, et al.: *See*—
Van Voorhis, Noble.

Boehne, Eugene W.: *See*—
Atwood, Winfield A., and Boehne.

Borg-Warner Corporation, assignee: *See*—
Koppel, Ernst R.
Roth, Jay M.

Bossart, Paul N.: *See*—
Konrad, William L., Bossart, and Leberknight.

Bourgaize, Robert G., Tacoma, Wash. Inclinometer. 2,460,675, Feb. 1.

Bowman-Manifold, Michael, Ealing, London, England, assignor to Electric and Musical Industries Ltd. Electron discharge device. 2,460,332, Feb. 1.

Bremner, John G. M., P. W. Reynolds, and A. W. C. Taylor, Norton-on-Tees, England, assignors to Imperial Chemical Industries Limited. Preparation of dehydrogenation catalysts. 2,460,333, Feb. 1.

Brenner, Robert W., Foster, and J. R. Petre, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Garment finishing device. 2,460,732, Feb. 1.

Bridges, Richard W.: *See*—
Jensen, Howard M., and Bridges.

Briggs, Robert B.: *See*—
Knauth, Walter T., and Briggs.

Briskin, Jack, assignor to Revere Camera Company, Chicago, Ill. Film splicer. 2,460,619, Feb. 1.

Bristow, Paul W., assignor to Scott & Williams, Incorporated, Laconia, N. H. Knitting machine pattern mechanism. 2,460,487, Feb. 1.

Brooks, Al R., assignee: *See*—
Kraska, Reinhold M.

Brouillard, Robert E.: *See*—
Locher, Hans Z., Brouillard, and Baumgarten.

Brouillard, Robert E., Bound Brook, N. J., and E. Baumgarten, Westerleigh, Staten Island, assignors to American Cyanamid Company, New York, N. Y. Synthesis of phthalocyanines from *m*-chlorine or *m*-bromine substituted *o*-tolunitriles. 2,460,779, Feb. 1.

Brown, Arthur A.: *See*—
Hersey, Donald S., and Brown.

Brown & Bigelow, assignee: *See*—
Gruber, Francis E.

Brown, George H., and C. N. Hoyler, Princeton, N. J., assignors to Radio Corporation of America. Treatment of synthetic fibers and apparatus therefor. 2,460,566, Feb. 1.

Brown, Robert L., assignee: *See*—
Waara, David H.

Browning, George L., Jr., Cleveland, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Aromatic mercapto-aliphatic ethers as modifiers for butadiene emulsion polymerization. 2,460,567, Feb. 1.

Brunetti, Joseph, assignor to Columbia Protektosite Company, Inc., Carlstadt, N. J. Molded plastic container having hinged cover. 2,460,488, Feb. 1.

Brush Development Company, The, assignee: *See*—
Arndt, John P., Jr.

Bruson, Herman A., Rydal, and W. D. Niederhauser, assignors, by mesne assignments, to Rohm & Haas Company, Philadelphia, Pa. Diamino compound. 2,460,733, Feb. 1.

Buck, William H.: *See*—
Musselman, Henry E., and Buck.

Buckeye Steel Castings Company, The, assignee: *See*—
Johnson, George T.

Buehner, Orwald, West New York, N. J. Unipod for optical instruments. 2,460,568, Feb. 1.

Buerger, Martin J., Lincoln, and E. Washken, Cambridge, Mass., assignors to Owens-Illinois Glass Company. Making bonded structures. 2,460,334, Feb. 1.

Burkard, David, Geneva, assignor to Kobler & Co., Zurich, Switzerland. Knot tying device. 2,460,489, Feb. 1.

Burrum, Charles W., Augusta, Ga. Brake and tension for warp beamers. 2,460,569, Feb. 1.

Buss, William J., Norristown, Pa. Air purifying device. 2,460,335, Feb. 1.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Railway brake beam mounting. 2,460,780, Feb. 1.

Byrkit, Gordon D.: *See*—
Lincoln, Bert H., and Byrkit.

Cade, Phillip J., Sharon, assignor to Photoswitch, Incorporated, Cambridge, Mass. Electronic timing device. 2,460,277, Feb. 1.

Cadman, Ira F., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control system. 2,460,336, Feb. 1.

Callinan, Thomas D., Pittsfield, Mass., assignor to General Electric Company. Asbestos impregnated with tin oxide and producing. 2,460,734, Feb. 1.

Calvert, Sumter, assignor to R. T. Moloney, Chicago, Ill. Sound recorder. 2,460,411, Feb. 1.

Canfield, H. O., Co., assignee: *See*—
Riley, George A.

Cantelo, Herbert R., Writtle, England, assignor to Radio Corporation of America. Circuit for stabilising frequencies of transmitter-receiver systems. 2,460,781, Feb. 1.

Caprio, Amerigo F., Madison, and W. Horback, Newark, N. J., assignors to Celanese Corporation of America. Plasticized lower fatty acid ester of cellulose. 2,460,376, Feb. 1.

Caprio, Amerigo F., Madison, and W. Horback, Newark, N. J., assignors to Celanese Corporation of America. Filaments of plasticised lower fatty acid esters of cellulose. 2,460,377, Feb. 1.

Carborundum Company, The, assignee: *See*—
Sharpe, Donald B.

Carlstrom, Ellis F., assignor to Hamilton Watch Company, Lancaster, Pa. Floating pawl. 2,460,620, Feb. 1.

Carmichael, Edward P., La Mesa, and C. W. Radcliffe, Albany, assignors to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Artificial foot. 2,460,446, Feb. 1.

Carroll, Katherine E., Prescott, Ariz. Coffee steeping bag. 2,460,735, Feb. 1.

Carter Carburator Corporation, assignee: *See*—
Szwargulski, Alex N.

Carthage Mills, Inc., assignee: *See*—
Seedorf, Ralph F.

Casper, Samuel, San Francisco, Calif. Magneto tester. 2,460,676, Feb. 1.

Castillo, Cirilo C., Los Angeles, Calif. Compression relief device for starting engines. 2,460,338, Feb. 1.

Catucci, Pliny, Kearny, N. J., assignor to William Crabb & Company, Newark, N. J. Grinding machine. 2,460,570, Feb. 1.

Celanese Corporation of America, assignee: *See*—
Caprio, Amerigo F., and Horback.

Certain-teed Products Corporation, assignee: *See*—
Soissa, John A.

Cervellone, Fred, New York, N. Y. Adjustable window casing. 2,460,677, Feb. 1.

Chaffee, Randolph W., Normandy, Mo. Apparatus and method for making a plastic composition and product. 2,460,571, Feb. 1.

Cheney Bigelow Wire Works, assignee: *See*—
Engart, George A.

Chiarizia, Robert L., Saxton, Pa. Needle and thimble holder. 2,460,678, Feb. 1.

Chicago Railway Equipment Company, assignee: *See*—
Barton, Donald E.
Busse, Edwin G.

Chornock, Francis W.: *See*—
Strumia, Max M., and Chornock.

Ciba Limited, assignee: *See*—
Bernasconi, Eduard.

Clarkson, John L., Nashville, Ill. Conveyer chain. 2,460,447, Feb. 1.

Clay, Marvin F., High Point, N. C. Watch movement holder. 2,460,679, Feb. 1.

Columbia Protektasite Company, Inc., assignee: *See*—
Brunetti, Joseph.

Collyer, Philip W.: *See*—
Lowber, David D., Reardon, and Collyer.

Combustion Control Corporation, assignee: *See*—
Thomson, E. Craig.

Commonwealth Engineering Company of Ohio, The, assignee: *See*—
Luaces, Enrique L.

Connor, Roger, assignor to The McBee Company, Athens, Ohio. Record card. 2,460,378, Feb. 1.

Consolidated Vultee Aircraft Corporation, assignee: *See*—
Carmichael, Edward P., and Radcliffe.

Continental Diamond Fibre Company, assignee: *See*—
Petho, John A.

Cook, Ernest P., Berlin, assignor to Improved Paper Machinery Corporation, Nashua, N. H. Rotary pump for thick fibrous suspensions. 2,460,278, Feb. 1.

Cook, John V., Wilmette, Ill. Machine for breaking fibrous materials. 2,460,448, Feb. 1.

Cook, Mark F., Mulberry, Ind., assignor to Aluminum Company of America, Pittsburgh, Pa. Tube working apparatus. 2,460,490, Feb. 1.

Cooke, Ernest A., assignor to Taylor, Taylor & Hobson Limited, Leicester, England. Copying machine with optical system. 2,460,491, Feb. 1.

Copeland, Robert J., Toronto, Ontario, Canada. Visible card index. 2,460,449, Feb. 1.

Corbat, Paul: *See*—
Premoli, Romualdo, and Corbat.

Cornell, Mead: *See*—
Bergman, Charles P., and Cornell.

Corning Glass Works, assignee: *See*—
Hyde, James F.
Warrick, Earl L.

Corren, Sidney A., assignor to Nassau Smelting & Refining Company, Incorporated, New York, N. Y. Article handling apparatus. 2,460,379, Feb. 1.

Courtney, Albert L., and C. E. Smith, assignors to Wyandotte Chemicals Corporation, Wyandotte, Mich. Laundry souring composition. 2,460,680, Feb. 1.

Courtot, Louis B., assignor to The Weatherhead Company, Cleveland, Ohio. Tube coupling. 2,460,621, Feb. 1.

Crabb, William, & Company, assignee: *See*—
Catucci, Pliny.

Crandall, Roderic, assignee: *See*—
Kitto, Leicester F.

Crawley, Charles H., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 2,460,622, Feb. 1.

Crompton & Knowles Loom Works, assignee: *See*—
Bergstrom, Carl P., and Herard, Jr.
Turner, Richard G.
Wakefield, Walter H.

Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,460,450, Feb. 1.

Curd, Francis H. S.: *See*—
Basford, Frederick R. B., Curd, and Rose.

Cutler, Stanley, and N. Wiener, Los Angeles, Calif., assignors to Hoffman Radio Corporation. Loop inductance compensator. 2,460,492, Feb. 1.

Davis, Earl F.: *See*—
Erickson, Vernon T., and Davis.

Davis, Robert F., West Palm Beach, Fla. Storage box. 2,460,681, Feb. 1.

Dempsey, John T., administrator: *See*—
Lyons, Willard E.

Diamant, Fred J., New York, N. Y. Shoe with innersole providing arch supporting flap. 2,460,493, Feb. 1.

Diamantides, Diamond, Massillon, Ohio. Ship propulsion means. 2,460,339, Feb. 1.

Dickerman, Hubert E., Springfield, Mass. Feeding mechanism. 2,460,340, Feb. 1.

Disposable Bottle Corp., assignee: *See*—
Allen, Adda M., and Van Evera.

Di Zoppola, Mario, assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Liquid cooler for air conditioning systems. 2,460,623, Feb. 1.

Dobell, Curzon, New York, N. Y., assignor to Preload Enterprises, Inc. Cofferdam. 2,460,624, Feb. 1.

Doughman, Ferman C., Darien, assignor to Electrolux Corporation, Old Greenwich, Conn. Mechanical mounting. 2,460,682, Feb. 1.

Douglass, Frank J., Pasadena, Calif. Apparatus for flame cutting. 2,460,412, Feb. 1.

Dow Chemical Company, The, assignee: *See*—
Le Fevre, Walter J., and Harding.

Doyle, Joseph C., Baltimore, Md., assignor to Kee Lox Manufacturing Company, Rochester, N. Y. Carbon paper holder for manifolding typewriters. 2,460,683, Feb. 1.

Drake, Russell P., Caledonia, assignor to Barber-Colman Company, Rockford, Ill. Lint removal means for bobbin winding machines. 2,460,736, Feb. 1.

Driver-Harris Company, assignee: *See*—
Lohr, James M.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Houtz, Ray C.
Hunt, Madison.
Robinson, John W.
Rogers, Arthur O.

Durant Manufacturing Co., assignee: *See*—
Hennessy, Mark M.

Eckey, Eddy W., Wyoming, assignor to The Procter and Gamble Company, Cincinnati, Ohio. Preparing carotenoid concentrates from palm oil. 2,460,796, Feb. 1.

Ecusta Paper Corporation, assignee: *See*—
Haswell, Henry L.

Edgar, David Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun mount. 2,460,380, Feb. 1.

Edison, Thomas A., Incorporated, assignee: *See*—
Fritzinger, George H.

Effros, Milton, New York, and C. E. Mills, Floral Park, N. Y. Combined cabinet and drawer with compressing and signaling means. 2,460,572, Feb. 1.

Ehmann, Leslie G., assignor to Electric Steel Foundry, Portland, Oreg. Hammer for impact crushers with detachable and reversible hammer head. 2,460,279, Feb. 1.

Eisenberg, Ben, Larchmont, and O. B. Schwarz, New York, N. Y., assignors to Lektra Laboratories, Inc. Foot pedal control rheostat. 2,460,494, Feb. 1.

Ekco Products Company, assignee: *See*—
Zimmer, Myron J.

Electric and Musical Industries, Ltd., assignee: *See*—
Bowman-Manifold, Michael.

Electric Steel Foundry, assignee: *See*—
Ehmann, Leslie G.

Electrolux Corporation, assignee: *See*—
Doughman, Ferman C.

Ellis, William A., Portland, Oreg. Baseboard room heater. 2,460,625, Feb. 1.

Elrick, Charles E., Frostburg, Md. Releasable lever operated switch. 2,460,495, Feb. 1.

Emery Industries, Inc., assignee: *See*—
Stegemeyer, Lou A.

Engert, George A., Westfield, assignor to Cheney Bigelow Wire Works, Springfield, Mass. Mixing box. 2,460,626, Feb. 1.

Engineering and Research Corporation, assignee: *See*—
Berliner, Henry A.
Marchant, Lee L.

Erickson, Vernon T., and E. F. Davis, Jacksonville, Fla. Ice cube forming and dispensing machine. 2,460,341, Feb. 1.

Erkko, Eero O., Wilmington, Del., and R. T. Treifs, Kalamazoo, Mich., assignors to Hercules Powder Company, Wilmington, Del. Isolation of soybean protein. 2,460,627, Feb. 1.

Errett, Sanford J., Portland, Oreg. Welder's double mitt. 2,460,413, Feb. 1.

Euclid Road Machinery Co., The, assignee: *See*—
Armington, George E.

Evans, Gordon R.: *See*—
Guthrie, Thomas and Evans.

Ex-Cell-O Corporation, assignee: *See*—
Alden, Carroll R.
Seyferth, Harold N.
Wallman, Carl B.

Farhall, Inc., assignee: *See*—
Farrell, Joseph E.

Farrell, Joseph E., assignor to Farhall, Inc., Toms River, N. J. Gasifying fuel burner. 2,460,451, Feb. 1.

Farrow, Cecil, Bainbridge Township, Geauga County, assignor to Republic Steel Corporation, Cleveland, Ohio. Method and apparatus for demagnetizing tubing. 2,460,684, Feb. 1.

Fawick, Thomas L., Akron, Ohio. Flexible coupling. 2,460,628, Feb. 1.

Fawick, Thomas L., Akron, Ohio. Cushioned planetary gearing. 2,460,629, Feb. 1.

Fawick, Thomas L., Akron, Ohio. Multicushioned gear. 2,460,630, Feb. 1.

Fawick, Thomas L., Cleveland, Ohio. Shaft-fastening assembly. 2,460,631, Feb. 1.

Feaster, Allen F., Boulder, Colo. Tool post and tool for lathes. 2,460,342, Feb. 1.

Federal Machine and Welder Company, The, assignee: *See*—
Martin, George B., and Berger.

Federal Works Agency, The United States of America as represented by the Administrator, assignee: *See*—
Potts, Allen H.

Ferris Instrument Laboratories, assignee: *See*—
Tyzzer, Howard J.

Finney, John H. V., assignor to Mining Process and Patent Company, Denver, Colo. Filter disk segment. 2,460,280, Feb. 1.

Fletcher, John H.: *See*—
Nolan, Kenneth G., Morgan, and Fletcher.

Florence Stove Company, assignee: *See*—
Schneider, Frank H.

Flygare, Carl G.: *See*—
Belden, Albert G., and Flygare.

Flygare, Carl G., Worcester, Mass., and H. L. Swalney, Shaker Heights, Ohio, assignors to Norton Company, Worcester, Mass. Grinding wheel feeding mechanism. 2,460,737, Feb. 1.

Folda, Bert, Jr., Los Angeles, Calif., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Spark plug thread lubricant. 2,460,632, Feb. 1.

Folkers, Karl: *See*—
Mozingo, Ralph and Folkers.

Folt, Vernon L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Interpolymers of vinylidene halides, dialkyl esters of maleic acid, and vinyl esters and making same. 2,460,573, Feb. 1.

Foote, Daniel J.: *See*—
Soref, Harry E., and Foote.

Ford, James L., Chicago, Ill. Dip pot for holding molten solder. 2,460,685, Feb. 1.

Forgue, Stanley V., Cranbury, N. J., assignor to Radio Corporation of America. Multiplier unit and supporting means. 2,460,381, Feb. 1.

Forse, Harry D., Anderson, Ind. Flatwork ironer. 2,460,496, Feb. 1.

Foster, John W., Ridgewood, N. J., assignor to Tingue, Brown & Co., New York, N. Y. Protective assembly for flatwork ironer rolls. 2,460,343, Feb. 1.

Foxboro Company, The, assignee: *See*—
Howe, Wilfred H.

Francis, Victor J., Wembley, England, assignor to General Electric Company. Electrode construction. 2,460,738, Feb. 1.

Francis, Victor J., Wembley, England, assignor to General Electric Company. Electrode construction. 2,460,739, Feb. 1.

Franck, George E., Riverside, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Valve means. 2,460,633, Feb. 1.

Frei, Jakob R., Sidney, assignor to Bendix Aviation Corporation, New York, N. Y. Sealing means. 2,460,740, Feb. 1.

Freyermuth, Harlan B.: *See*—
Grimmel, Harry W., and Freyermuth.

Fres-O-Mat Corporation, assignee: *See*—
Rifkin, Milton.
Rifkin, Milton and Sutton.

Friedman, Arthur, Shaker Heights, assignor to Patrol Valve Company, Cleveland, Ohio. Range connector. 2,460,741, Feb. 1.

Frisk, Nils P. W., and A. G. W. Hernqvist, Stockholm, Sweden. Automatic regulating system. 2,460,497, Feb. 1.

Fritzinger, George H., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical instrument. 2,460,686, Feb. 1.

Fuchs, Norbert E., assignor to Republic Steel Corporation, Cleveland, Ohio. Induction heater. 2,460,687, Feb. 1.

Fuller, Morell M., San Jacinto, Calif. Internal collet. 2,460,414, Feb. 1.

Fulton, Oliver H., Jr., Montclair N. J. assignor to Radio Corporation of America. Mount for electron discharge devices. 2,460,382, Feb. 1.

Gallal-Hatchard, Marcel, Cheam, England. Breaking up foamed blast furnace slag and other smelts. 2,460,742, Feb. 1.

Gambrill, Richard D., and C. E. Lewis, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for locating faults in cables. 2,460,688, Feb. 1.

Garberding, Waldo L., Chicago, Ill. Making metal articles. 2,460,281, Feb. 1.

Gardner, Guy B., Fairhaven, assignor, by mesne assignments, to Aerovox Corporation, New Bedford, Mass. Regenerated cellulose dielectric material and producing the same. 2,460,282, Feb. 1.

Gaylord, James M., San Marino, and R. E. Ball, Long Beach, assignors to Byron Jackson Co., Vernon, Calif. Selective motor line connecting device. 2,460,415, Feb. 1.

Gaylord, Peter J., assignee: *See*—
Warden, Warren B.

General Aniline & Film Corporation, assignee: *See*—
Grimmel Harry W., and Freyermuth.
Johnston, Robert C.
Prentice, Russell E.

General Electric Company, assignee: *See*—
Atwood, Winfield A., and Boehne.
Baumann, Frederick W.
Callinan, Thomas D.
Francis, Victor J.
Hertel, Roland F.
Jacobsen, William E.
Lawson, Harold H.
Stimson, Allen G.

General Precision Laboratory Incorporated, assignee: *See*—
Gilbert, Clarke M.

Germanton, Charles E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Aircraft personnel trainer. 2,460,743, Feb. 1.

Gialdini, Bruno T., Larchmont, N. Y. Conveying means for shoe manufacture. 2,460,782, Feb. 1.

Giddings & Lewis Machine Tool Company, assignee: *See*—
Renier, William S.

Gilbert, Clarke M., Chappaqua, N. Y., assignor to General Precision Laboratory Incorporated. Servo follow-up control. 2,460,638, Feb. 1.

Gillette, Howard C., Gates, N. Y. Boring head. 2,460,689, Feb. 1.

Ginston, Edward L., Wantagh, N. Y., assignor to The Sperry Corporation. Modulation control apparatus. 2,460,498, Feb. 1.

Glass Fibers, Inc., assignee: *See*—
Stevens, Charles R.

Glass, Paul, Chicago, Ill., assignor to Askania Regulator Company. Modulator. 2,460,690, Feb. 1.

Godshall, George M., Leonardo, N. J. Hot-water heating unit. 2,460,691, Feb. 1.

Goldberg, Salomon, assignee: *See*—
Blampain, Henri.

Goldston, W. L., assignee: *See*—
Winkelmann, Samuel A.

Gooch, Fred P., Swarthmore, Pa., assignor to The Sharples Corporation. Lubricating system for motors. 2,460,283, Feb. 1.

Goodrich, B. F., Company, The, assignee: *See*—
Amacker, Thad M.
Browning, George L., Jr.
Folt, Vernon L.
Gresham, Thomas L.
Hunter, Willson H.
Jansen, Jacob E.
Japs, Archie B.
Miller, Arthur R., Jr.
Sarbach, Donald V.
Semon, Waldo L.
Stewart, William D.

Goodrich, Uriel E., Laramie, Wyo. Screen cleaner for pressure filters. 2,460,416, Feb. 1.

Goostrey, Robert F., Jackson, Mich. Mousetrap. 2,460,417, Feb. 1.

Gould, David F., Riverton, N. J., assignor to Allied Chemical & Dye Corporation, New York, N. Y. Polymerisation of resin oils with mixed clay and organic acid catalyst. 2,460,692, Feb. 1.

Grace, John F., Arlington, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Reversible circulation condenser. 2,460,499, Feb. 1.

Green, Clarence J., assignor to Norton Company, Worcester, Mass. Camshaft grinding machine. 2,460,744, Feb. 1.

Gregor, Herbert H., Washington, D. C. Preparation of aluminum phosphates. 2,460,344, Feb. 1.

Gresham, Thomas L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vinyl chloride polymers plasticised with dialkyl chlorophthalates. 2,460,574, Feb. 1.

Griffiths, Albert E.: *See*—
Pabst, Arthur C., Griffiths, and Killingsworth.

Grimmel, Harry W., and H. B. Freyermuth, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Preparing N-alkylated compounds of condensed arylpyrrols. 2,460,745, Feb. 1.

Grout, Martin B., Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Binding magnetic core structures. 2,460,639, Feb. 1.

Gruber, Francis E., assignor to Brown & Bigelow, St. Paul, Minn. Ball point pen. 2,460,345, Feb. 1.

Guthrie, Thomas, Albany, Calif., and G. R. Evans, Collingswood, N. J., assignors to Allied Chemical & Dye Corporation. Joint construction. 2,460,746, Feb. 1.

Haas, Otto R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Gun-loading mechanisms. 2,460,284, Feb. 1.

Haddon, Cuthbert L., Newark-on-Trent, England. Manufacture of plaster of Paris. 2,460,266, Feb. 1.

Haddon, Cuthbert L., Newark-on-Trent, England. Manufacture of plaster of Paris. 2,460,267, Feb. 1.

Hagner, Frederick H., San Antonio, Tex. Star matcher and sun compass. 2,460,846, Feb. 1.

Hahn, Frank J., Kansas City, Mo., assignor to United Aircraft Corporation, East Hartford, Conn. Fuel and ignition control. 2,460,283, Feb. 1.

Hale, William J., Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C. Tobacco composition and making it. 2,460,284, Feb. 1.

Hale, William J., Midland, Mich., assignor to The National Agrol Company, Inc., Washington, D. C. Tobacco products and making them. 2,460,285, Feb. 1.

Hall, Edward L., Los Angeles, Calif., assignor to North American Aviation, Inc. Sequence control mechanism. 2,460,693, Feb. 1.

Hall, James R., Hammon, Okla. Lever handle. 2,460,500, Feb. 1.

Hallewell, George, assignor to Blackstone & Company Limited, Stamford, England. Speed control gear of prime movers. 2,460,501, Feb. 1.

Hamilton Watch Company, assignee: *See*—
Carlstrom, Elis F.

Hampton, Charlotte, Nashville, Tenn. Sanitary pillow covering. 2,460,452, Feb. 1.

Hanke, Gustav, assignee: *See*—
Larsen, Victor A.

Hansen, William W., and R. H. Varian, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Radiating electromagnetic resonator. 2,460,286, Feb. 1.

Hansen, William W., Garden City, and R. H. Varian, Wantagh, N. Y., assignors to The Board of Trustees of the Leland Stanford Junior University, Stanford University, Calif. Radiating electromagnetic resonator. 2,460,287, Feb. 1.

Hansen, William W., and R. H. Varian, Garden City, N. Y., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Resonator apparatus. 2,460,288, Feb. 1.

Hanson, Per R., Winchester, and H. W. Ulmer, Belmont, assignors to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device seal. 2,460,575, Feb. 1.

Harcum, Harry H.: *See*—
Whitson, Mercer L., and Harcum.

Harding, Kenneth G.: *See*—
Le Fevre, Walter J., and Harding.

Harlow, Max B.: *See*—
Hoffman, Francis A., and Harlow.

Harris, George W., Mercer County, assignor of one-half to R. Miller, Mathersville, Ill. Safety hanger. 2,460,453, Feb. 1.

Hart, Edward, San Marino, Calif., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric motor. 2,460,418, Feb. 1.

Hartford National Bank and Trust Company, The, assignee, trustee: *See*—
La Riviere, Theodoor W.
Richards, Claude L.

Hastings Manufacturing Company, assignee: *See*—
Phillips, Harold P.

Harwell, Henry L., Brevard, assignor, by mesne assignments, to Ecusta Paper Corporation, Pisgah Forest, N. C. Web tensioning and pressure mechanism. 2,460,694, Feb. 1.

Hausman, Herbert H., Lakewood, Ohio. Bowling ball thumb or finger gripping means. 2,460,385, Feb. 1.

Hays Manufacturing Company, assignee: *See*—
Miller, Wesley G.

Heckmer, Raymond F. Sr., Youngstown, Ohio. Alarm clock. 2,460,634, Feb. 1.

Heinn Company, The, assignee: *See*—
Stevens, Clifford B.

Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Generator mounting flange. 2,460,502, Feb. 1.

Heller, William E., Yeadon, Pa. Protection of furnaces from slag. 2,460,347, Feb. 1.

Hennessy, Mark M., assignor to Durant Manufacturing Co., Milwaukee, Wis. Sensitive switch actuator. 2,460,695, Feb. 1.

Henry, Albert R., Salina, assignor to Henry Manufacturing Company, Inc., Topeka, Kans. Blade mounting for grading machines. 2,460,348, Feb. 1.

Henry Manufacturing Company, Inc., assignee: *See*—
Henry, Albert R.

Henze, Henry R., Austin, Tex., assignor to Parke, Davis & Company, Detroit, Mich. 5-alkoxy-alkyl, 5-cyclohexyl hydantoins. 2,460,747, Feb. 1.

Herard, Archibald J., Jr.: *See*—
Bergstrom, Carl P., and Herard, Jr.

Hercules Powder Company, assignee: *See*—
Erkko, Eero O., and Treifa.

Hernqvist, Anders G. W.: *See*—
Frisk, N. P. W., and Hernqvist.

Herold, Robert E., assignor to The Weatherhead Company, Cleveland, Ohio. Fitting. 2,460,635, Feb. 1.

Hersey, Donald S., East Hartford, and A. E. Brown, Manchester, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic temperature control apparatus. 2,460,748, Feb. 1.

Hertel, Roland F., Fort Wayne, Ind., assignor to General Electric Company. Dynamoelectric machine. 2,460,749, Feb. 1.

Hertel, Roland F., Nutley, N. J., assignor to General Electric Company. Dynamoelectric machine. 2,460,750, Feb. 1.

Hessler, Reinhardt C., Pontiac, Mich. Fender skirt. 2,460,349, Feb. 1.

Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Rocket projectile. 2,460,289, Feb. 1.

Hilliquist, Karl J., Seattle, Wash. Feed mechanism for stone cutting machines. 2,460,386, Feb. 1.

Hinman, Charlton, Washington, D. C. Alternate projection collating device. 2,460,350, Feb. 1.

Hobby, Harold E., assignor to Simplex Time Recorder Co., Gardner, Mass. Tape time recorder with differentiated records. 2,460,576, Feb. 1.

Hoffman, Francis A., Glendale, and M. B. Harlow, Pasadena, Calif., assignors to Rheem Manufacturing Company, New York, N. Y. Rotor blade. 2,460,351, Feb. 1.

Hoffman Radio Corporation, assignee: *See*—
Cutler, Stanley, and Wiener.

Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.

Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,460,577, Feb. 1.

Holcomb, Normand P., Warehouse Point, Conn., assignor to the United States of America as represented by the Secretary of War. Cartridge extractor testing machine. 2,460,290, Feb. 1.

Holloway, Charles M., Chicago, Ill. Self-sealing electric light socket for refrigerator panels. 2,460,636, Feb. 1.

Holmberg, Carl V.: *See*—
Schlatter, Carl, and Holmberg.

Horback, William: *See*—
Caprio, Amerigo F., and Horback.

Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of vinylidene chloride polymers in amide solvents. 2,460,578, Feb. 1.

Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Solutions of vinylidene chloride polymers in a solvent containing a sulfoxy group. 2,460,579, Feb. 1.

Hoyler, Cyril N.: *See*—
Brown, George H., and Hoyler.

Howe, Wilfred H., Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring liquid level or specific gravity. 2,460,503, Feb. 1.

Huber, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Method and device for fixing and sealing tubes in a partition wall by use of fluid pressure. 2,460,580, Feb. 1.

Huebner, William C., New York, N. Y. Printing apparatus. 2,460,504, Feb. 1.

Hugo, Henry M., assignor, by mesne assignments, to Lorain Products Corporation, Lorain, Ohio. Oscillation generator. 2,460,637, Feb. 1.

Hughes, Landrum L., Erick, Okla. Thief line for butane tanks. 2,460,454, Feb. 1.

Hunt, Madison, Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of terpene alcohols. 2,460,291, Feb. 1.

Hunter, Willson H., Lakewood, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Landing gear. 2,460,387, Feb. 1.

Hurley, Samuel C., Jr., deceased; W. L. Hurley, executrix, assignor to W. L. Hurley, Danville, Ill. Electronic circuit. 2,460,455, Feb. 1.

Hurley, Samuel C., Jr., deceased; W. L. Hurley, executrix, assignor to W. L. Hurley, Danville, Ill. Electronic circuit. 2,460,456, Feb. 1.

Hurley, Wilmina L., executrix, assignee: *See*—
Hurley, Samuel C., Jr.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-substituted siloxane polymers. 2,460,457, Feb. 1.

Imperial Brass Manufacturing Company, The, assignee: *See*—
Franck, George E.

Imperial Chemical Industries Limited, assignee: *See*—
Basford, Frederick R., Curd, and Rose.
Bremner, John G. M., Reynolds, and Taylor.
Thomson, Robin H. K.
Whetstone, John.

Improved Paper Machinery Corporation, assignee: *See*—
Cook, Ernest P.

Inland Steel Company, assignee: *See*—
Thompson, Roy J.

Irvine, William L., Brooklyn, assignor to The American Sugar Refining Company, New York, N. Y. Bundle sealing machine. 2,460,751, Feb. 1.

Ivanovic, Nicholas, Philadelphia, Pa. Vibration insulating mounting. 2,460,292, Feb. 1.

Jack & Heintz Precision Industries, Inc., assignee: *See*—
Heintz, Ralph M.

Jackson, Byron, Co., assignee: *See*—
Gaylord, James M., and Ball.

Jacobs, Louis J.: *See*—
Kauffman, Theodore, Jr., and Jacobs.

Jacobs, Samuel S., San Mateo, and H. B. Peterson, San Francisco, Calif., assignors to American Can Company, New York, N. Y. Reforming machine. 2,460,293, Feb. 1.

Jacobsen, William E., Ballston Lake, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,460,752, Feb. 1

Jaboda, William J., Put in Bay, Ohio. Towel rack. 2,460,505, Feb. 1.

Jamison, Charles E., Morgantown, W. Va. Landing gear for airplanes. 2,460,506, Feb. 1.

Jansen, Jacob E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction products of thiuram disulfides alkylene imines. 2,460,581, Feb. 1.

Japs, Archie B., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Drying polymeric materials. 2,460,582, Feb. 1.

Jarvis, Charles W., Washington, D. C., assignor to the United States of America as represented by the Secretary of the Navy. Generator. 2,460,790, Feb. 1.

Jefferson Electric Company, assignee: *See*—
Grout, Martin B.
Rickmeyer, Ernst W.
Sliwiak, Walter.

Jensen, Howard M., Halesite, and R. W. Bridges, Farmingdale, N. Y. Clothesline tightener. 2,460,640, Feb. 1.

Jensen, James A., Haverford, assignor to Philadelphia Valve Company, Philadelphia, Pa. Coupling for hoses and the like. 2,460,352, Feb. 1.

Jessen, Le Roy S., Dayton, Ohio. Target exchanger. 2,460,294, Feb. 1.

Johnson, Everett A., Park Ridge, and S. B. Becker, assignor to Standard Oil Company, Chicago, Ill. Hydrocarbon synthesis. 2,460,508, Feb. 1.

Johnson, George T., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Railway car truck side frame. 2,460,696, Feb. 1.

Johnston, Robert C., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Adjustable multicolored light filter. 2,460,507, Feb. 1.

Jones, Thomas F.: *See*—
Trent, Horace M., and Jones.

Kahn, George, Lawrence, and L. Schwartz, New York, N. Y., Adjustable fabric guiding attachment. 2,460,583, Feb. 1.

Kahn, George, Lawrence, and L. Schwartz, New York, N. Y. Fabric guiding device and method. 2,460,584, Feb. 1.

Kardos, Stephen J., Allentown, Pa. Spring equipped double cone tie. 2,460,753, Feb. 1.

Kauffman, Theodore, Jr., and L. J. Jacobs, assignors to The S. Obermayer Co., Chicago, Ill. Refractory composition and method of producing same. 2,460,268, Feb. 1.

Kawneer Company, The, assignee: *See*—
Miller, James T.

Keese, Beverly W., Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Drive axle. 2,460,295, Feb. 1.

Keetch, William A., assignor to Lord Manufacturing Company, Erie, Pa. Engine mounting. 2,460,586, Feb. 1.

Keller, Donald E., Millersport, Ohio. Heated drinking vessel. 2,460,509, Feb. 1.

Kennelly, Jeremiah D., Oak Park, Ill. Warning light and searchlight combination. 2,460,585, Feb. 1.

Kerr, Earl G.: *See*—
Allen, Harry L., and Kerr.

Kidd, Earl H., assignor to Young Radiator Company, Racine, Wis. Heat exchanger. 2,460,754, Feb. 1.

Killingsworth, Joseph L., Des Moines, Iowa. Shingle. 2,460,353, Feb. 1.

Killingsworth, Robert B.: *See*—
Pabst, Arthur C., Griffiths, and Killingsworth.

Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Outboard motor. 2,460,419, Feb. 1.

Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee Wis. Starter mechanism for motors. 2,460,420, Feb. 1.

Kincannon, Leo T., assignor to Metal Products Corporation, Milwaukee, Wis. Flexible vane pump for outboard motors. 2,460,421, Feb. 1.

Kinney, William F., Maywood, Ill., assignor to American Can Company, New York, N. Y. Mechanism for forming vented can end seams. 2,460,296, Feb. 1.

Kitto, Leicester F. Glendale, Calif., assignor of one-half to R. Crandall, Roswell, N. Mex. Geophysical prospecting. 2,460,297, Feb. 1.

Kleiner, Joseph J., Woodmere, N. Y. Blood collecting apparatus. 2,460,641, Feb. 1.

Klyce, Battle H., Jr., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Receiver protective circuit for pulse transmission systems. 2,460,755, Feb. 1.

Knauth, Walter T., and R. B. Briggs, Houston, Tex. Dip co-ordinator. 2,460,642, Feb. 1.

Kobler & Co., assignee: *See*—
Burkard, David.

Kobrin, Robert M., Chicago, Ill. Headband and holder for telephone receivers. 2,460,458, Feb. 1.

Konrad, William L., Pittsburgh, P. N. Bossart, Cheswick, and C. E. Leberknight, Emsworth, assignors to The Union Switch and Signal Company, Swissvale, Pa. Railway train communicating system. 2,460,354, Feb. 1.

Koppel, Ernst R., Chicago, Ill., assignor to A. O. Smith Corporation, Milwaukee, Wis. Clothes drier. 2,460,422, Feb. 1.

Koppel, Ernst R., assignor to Borg-Warner Corporation, Chicago, Ill. Liner and tap ring for steel barrels. 2,460,756, Feb. 1.

Kornemann, Henry C., Kenmore, N. Y., assignor to The Linde Air Products Company. Container for liquefied gases. 2,460,355, Feb. 1.

Kracklauer, Aloysius C., assignor, by mesne assignments, to Sparkler Mfg. Co., Mundelein, Ill. Filter. 2,460,423, Feb. 1.

Kraska, Reinhold M., Altadena, assignor, by mesne assignments, to A. R. Brooks, doing business as Aluminum Folding Crutch Company, Los Angeles, Calif. Folding article. 2,460,459, Feb. 1.

Kraus, Joseph, Chicago, Ill. Wheel lock and hydraulic release. 2,460,298, Feb. 1.

Krause, Charles A., Jr., assignee: *See*—
Lloyd, William R., and Schafer.

Kreger, Lawrence F., Chicago, Ill. Concrete block mold. 2,460,697, Feb. 1.

Kreidl, Ekkehard L., Boston, and J. L. Utter, North Easton, assignor to A. D. Little, Inc., Cambridge, Mass. Making ceramic bodies. 2,460,356, Feb. 1.

Kruck, Ralph E., Longmeadow, Mass. Lip rouge dispenser applicator. 2,460,299, Feb. 1.

Kurlash Company, Inc., The, assignee: *See*—
Tuttle, William R., and Beldue.

Kurz, William, assignor to Precision Scientific Co., Chicago, Ill. Liquid circulating apparatus. 2,460,757, Feb. 1.

Laesser, Emil, assignor to Maag-Zahnräder und Maschinen Aktiengesellschaft, Zurich, Switzerland. Flexible clamping sleeve. 2,460,510, Feb. 1.

Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas.

Lang, Gregor L., West Haven, Conn., assignor to Link Aviation, Inc. Automatic radio signaling means for aviation trainers. 2,460,511, Feb. 1.

Langer, Nicholas, New York, N. Y. Heatsealing and apparatus therefor. 2,460,460, Feb. 1.

Lans, Adolf, assignor to Baumwoll-Spinnerei & Weberei Wettingen, Wettingen, Switzerland. Variable warp tensioning means. 2,460,512, Feb. 1.

La Riviere, Theodoor W. Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Circuit arrangement for compensating the aerial effect of directional antennae. 2,460,357, Feb. 1.

Larkin, Cordelia R. O., St. Petersburg, Fla. Spring actuated telescoping periscope. 2,460,461, Feb. 1.

Larsen, Victor A., Altadena, Calif., assignor, by mesne assignments, to G. Hanke, Massapequa, N. Y. Airplane drive. 2,460,587, Feb. 1.

Lawson, Harold H., Philadelphia, Pa., assignor to General Electric Company. Lockout and alarm device for circuit breakers. 2,460,758, Feb. 1.

Lasar, John, West Allis, Wis. Adjustable lock wedge. 2,460,643, Feb. 1.

Leberknight, Charles E.: *See*—
Konrad, William L., Bossart, and Leberknight.

Lecher, Hans Z., Plainfield, and R. E. Brouillard, Bound Brook, N. J., and E. Baumgarten, Staten Island, assignors to American Cyanamid Company, New York, N. Y. Preparation of phthalocyanine pigments from ω-chlorine or ω-bromine substituted o-xylenes. 2,460,783, Feb. 1.

Le Fevre, Edward B., Warwick, assignor to Nicholson File Company, Providence, R. I. File. 2,460,513, Feb. 1.

Le Fevre, Walter J., and K. G. Harding, assignors to The Dow Chemical Company, Midland, Mich. Polmeric products derived from diolefins and vinyl aromatic compounds and making same. 2,460,300, Feb. 1.

Lektra Laboratories, Inc., assignee: *See*—
Eisenberg, Ben, and Schwarz.

Leland Stanford Junior University, The Board of Trustees of the, assignee: *See*—
Hansen, William W., and Varian.

Leo Corporation, assignee: *See*—
Lyons, Willard E.

Leslie, John F., Mishawaka, Ind. Buffing wheel. 2,460,588, Feb. 1.

Lewis, Ada V., Baltimore, Md. Arm support. 2,460,589, Feb. 1.

Lewis, Clay E.: *See*—
Gambrill, Richard D., and Lewis.

Lezanski, Albert M., Sacramento, Calif. Saw set. 2,460,388, Feb. 1.

Lincoln, Bert H., Ponca City, Okla., and G. D. Byrkit, Niagara Falls, N. Y., assignors, by mesne assignments, to Lubrizol Development Corporation. Lubricating oils. 2,460,301, Feb. 1.

Linde Air Products Company, The, assignee: *See*—
Kornemann, Henry C.
Seemann, Arthur K.

Lindhe, Eric G., Hastings on Hudson, assignor to Sweets Laboratories, Inc., New York, N. Y. Candy chewing gum. 2,460,698, Feb. 1.

Line Material Company, assignee: *See*—
Nelson, Rolland D., and Link.

Lingal, Harry J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit controller. 2,460,462, Feb. 1.

Link Aviation, Inc., assignee: *See*—
Lang, Gregor L.

Link, Edwin A.: *See*—
Nelson, Rolland D., and Link.

Lloyd, William R., and G. H. Schafer, Chicago, Ill., assignors, by mesne assignments, to C. A. Krause, Jr., Milwaukee, Wis. Solvent extraction as step in milling process. 2,460,389, Feb. 1.

Lohr, James M., Morristown, assignor to Driver-Harris Company, Harrison, N. J. Electric resistance element and heat-treatment. 2,460,590, Feb. 1.

Long, Chester C., Los Angeles, Calif., assignor of one-half to Ballinger Mills, Jr., Galveston, Tex. Clothesline pole. 2,460,699, Feb. 1.

Longenecker, Levi S., Mount Lebanon, Pa. Glass melting furnace. 2,460,514, Feb. 1.

Lorain Products Corporation, assignee: *See*—
Huge, Henry M.

Lord Manufacturing Company, assignee: *See*—
Keetch, William A.
Roche, Paul C.

Lowber, David D., Snyder, J. D. Reardon, and P. W. Collyer, Buffalo, N. Y., assignors to American Optical Company, Southbridge, Mass. Calibrated retardation plate for measuring birefringence and making same. 2,460,515, Feb. 1.

Loy, John W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Noncatalytic cracking of a hydrocarbon oil. 2,460,463, Feb. 1.

Luáces, Enrique L., assignor, by mesne assignments, to The Commonwealth Engineering Company of Ohio, Dayton, Ohio. Ion-exchange resin. 2,460,516, Feb. 1.

Lubrizol Development Corporation, The, assignee: *See*—
Lincoln, Bert H., and Byrkit.

Lufkin, Richard F., West Medford, Mass. Building unit for house construction. 2,460,464, Feb. 1.

Luker, Jackson M., Urbana, Ill. Wrapping tubular cake pans. 2,460,644, Feb. 1.

Lundsten, Milton S., United States Navy. Hand-piece chuck. 2,460,302, Feb. 1.

Lundstrom, Ida, St. Louis, Mo. Curtain fixture. 2,460,517, Feb. 1.

Lupanoff, John, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Spring cushion construction. 2,460,424, Feb. 1.

Luzar, Thomas E., Chicago, Ill. Dental floss tooth cleaning apparatus. 2,460,591, Feb. 1.

Lyon, George A., Allenhurst, N. J. Wheel cover. 2,460,784, Feb. 1.

Lyons, Willard E., deceased, late of Chicago, Ill.; by J. T. Dempsey, administrator, assignor to Leo Corporation, Chicago, Ill. Operating an internal-combustion engine. 2,460,700, Feb. 1.

Maag-Zahnrader und Maschinen Aktiengesellschaft, assignee: *See*—
Laesser, Emil.

Mace, Charles E., Denver, Colo. Intermittent photographic print washer. 2,460,425, Feb. 1.

Machtinger, Abraham, New York, N. Y. Liquid dispenser. 2,460,518, Feb. 1.

MacKenzie, R. E., assignee, et al.: *See*—
Van Voorhis, Noble.

MacMicking, William P., Minneapolis, Minn. Safety razor cushion. 2,460,645, Feb. 1.

Maes, Robert E., Marshall, Mich. Pulsator for milking machines. 2,460,426, Feb. 1.

Malaspina, Celso L., Tuckahoe, N. Y.; now by judicial change of name to C. L. Marshall. Rod or pipe clamp. 2,460,701, Feb. 1.

Mallery, Paul, Murray Hill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Registration system. 2,460,702, Feb. 1.

Marchant, Lee L., Takoma Park, assignor to Engineering and Research Corporation, Riverdale, Md. Working of high tensile sheet metal. 2,460,519, Feb. 1.

Markey, Roscoe I., Montclair, N. J., assignor, by mesne assignments, to Noma Electric Corporation, New York, N. Y. Channel type clamp for slip joints. 2,460,646, Feb. 1.

Marshall, Charles L., by change of name: *See*—
Malaspina, Celso L.

Martin, George B., Detroit, Mich., and B. D. Berger, assignors to The Federal Machine and Welder Company, Warren, Ohio. Electric resistance welders. 2,460,759, Feb. 1.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,520, Feb. 1.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,703, Feb. 1.

Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Piezoelectric crystal apparatus. 2,460,704, Feb. 1.

Master Lock Company, assignee: *See*—
Soref, Harry E., and Foote.

Massa, Eric, Bronx, N. Y. Adjustable ventilator. 2,460,760, Feb. 1.

McAllister, Sumner H., Lafayette, J. Anderson, and W. H. Peterson, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Gasoline manufacture. 2,460,303, Feb. 1.

McBee Company, The, assignee: *See*—
Connor, Roger.

McBee, Earl T., and O. R. Pierce, assignors to Purdue Research Foundation, La Fayette, Ind. Chlorinolysis. 2,460,705, Feb. 1.

McBryde, Milo T., Arkadelphia, Ark. Inside sidehead chip breaker. 2,460,465, Feb. 1.

McDermott, Henry J., Prospect Park, Pa., assignor to American Viscose Corporation, Wilmington, Del. Removing excess liquid from filamentary material. 2,460,390, Feb. 1.

McGee, Kenneth, Dayton, and H. D. Vanderpool, Springfield, Ohio, assignors to The United States of America as represented by the Secretary of War. Connector. 2,460,304, Feb. 1.

McKinney, Charles P.: *See*—
Abel, Logan F.

McMurtrie, Robert H., Huntingburg, Ind. Drawer guide. 2,460,521, Feb. 1.

Merck & Co., Inc., assignee: *See*—
Mozingo, Ralph and Folkers.
Pierson, Earl and Tishler.

Metal Products Corporation, assignee: *See*—
Kincannon, Leo T.

Metal and Thermit Corporation, assignee: *See*—
Rollason, Earnest C.

Metzner, Ernest K., Los Angeles, Calif. Rectification. 2,460,706, Feb. 1.

Millar, Roland R., Massillon, assignor to Republic Steel Corporation, Cleveland, Ohio. Universal joint for mill drives. 2,460,648, Feb. 1.

Miller, Anthony J., Freeman, S. Dak. Manicure set. 2,460,522, Feb. 1.

Miller, Arthur R., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Generation of monomeric formaldehyde gas from formaldehyde polymers. 2,460,592, Feb. 1.

Miller, James T., assignor to The Kawneer Company, Niles, Mich. Glass setting device. 2,460,391, Feb. 1.

Miller, John W. H., Bala-Cynwyd, Pa. Unfired bonded ceramic articles and producing same. 2,460,761, Feb. 1.

Miller, Rudolph, assignee: *See*—
Harris, George W.

Miller, Wesley G., assignor to Hays Manufacturing Company, Erie, Pa. Flow control device. 2,460,647, Feb. 1.

Mills, Ballinger, Jr.: *See*—
Long, Chester C.

Mills, Charles E.: *See*—
Effros, Milton, and Mills.

Mining Process and Patent Company, assignee: *See*—
Finney, John H. V.

Minnich, Stehman S., assignor to The Patrol Valve Company, Cleveland, Ohio. Thermostatic switch. 2,460,762, Feb. 1.

Model Brassiere Corp., assignee: *See*—
Schoebel, Henry.

Möller, Ragnar O. J., assignor to Svenska Turbinfabriks Aktiebolaget Ljungström, Finspong, Sweden. Combined gas turbocompressor and gas turbine. 2,460,523, Feb. 1.

Moloney, Raymond T., assignee: *See*—
Calvert, Sumter.

Moray, Thomas H., Salt Lake City, Utah. Electrotherapeutic apparatus. 2,460,707, Feb. 1.

Morgan, Russell L.: *See*—
Nolan, Kenneth G., Morgan, and Fletcher.

Morin, Louis H., Bronx, N. Y. Pintle chain. 2,460,524, Feb. 1.

Morin, Louis H., Bronx, N. Y. Universally united scoop for separable fasteners. 2,460,525, Feb. 1.

Mozingo, Ralph, Elizabeth, and K. Folkers, Plainfield, assignors to Merck & Co., Inc., Rahway, N. J. Making acetamido dimethylacrylic acid. 2,460,708, Feb. 1.

Muller, Carl W., Osborn, Ohio. Device for simulating automatic radio compass indications in ground trainers. 2,460,305, Feb. 1.

Muller, Gesa W., Bron, France; vested in the Attorney General of the United States. Gear pump with flow cushioning means. 2,460,649, Feb. 1.

Musselman, Henry E., and W. H. Buck, Kalamazoo, Mich. Combined cigarette case and lighter. 2,460,427, Feb. 1.

Myers, F. E., & Bro. Company, The, assignee: *See*—
Spreng, Warren M.

Nader Engineering Company, assignee: *See*—
Roys, Carl S.

Nassau Smelting & Refining Company, Incorporated, assignee: *See*—
Corren, Sidney A.

National Agrol Company, Inc., The, assignee: *See*—
Hale, William J.

Navarro, Eugene M., New York, N. Y. Lock mechanism. 2,460,709, Feb. 1.

Navy, United States of America as represented by the Secretary of, assignee: *See*—
Jarvis, Charles W.
Selvidge, Harner.

Nelson, Arthur E., University City, Mo. Support. 2,460,593, Feb. 1.

Nelson, Rolland D., Hales Corners, and E. A. Link, South Milwaukee, assignors to Line Material Company, Milwaukee, Wis. System of controlling electric lines. 2,460,467, Feb. 1.

Nemeth, Joseph J., New York, N. Y. Clip for paper. 2,460,650, Feb. 1.

New Wrinkle, Inc., assignee: *See*—
Beynon, Nathan T.

New York Air Brake Company, The, assignee: *See*—
Whittingham, David J.

Nicholson File Company, assignee: *See*—
Le Fevre, Edward B.

Niederhauser, Warren D.: *See*—
Bruson, Herman A., and Niederhauser.

Nogle, James E., Jacksonville Beach, Fla. Trailer dolly. 2,460,466, Feb. 1.

Nolan, Kenneth G., South Norwalk, R. L. Morgan, Old Greenwich, and J. H. Fletcher, Riverside, Conn., assignors to American Cyanamid Company, New York, N. Y. Fungicidal preparations. 2,460,710, Feb. 1.

Noma Electric Corporation, assignee: *See*—
Markey, Roscoe I.

Noned Corporation, The, assignee: *See*—
Vincent, James G.

North American Aviation, Inc., assignee: *See*—
Hall, Edward L.

Northwest Metal Products, Inc., assignee: *See*—
Reid, George A.

Norton Company, assignee: *See*—
Belden, Albert G., and Flygare.
Flygare, Carl G., and Swainey.
Green, Clarence J.

Oakhill, Frederic E., Wilmette, assignor to O-Cedar Corp'n, Chicago, Ill. Mop structure. 2,460,763, Feb. 1.

Obermayer, S., Co., The, assignee: *See*—
Kauffman, Theodore, Jr., and Jacobs.

Obernauer, William, and M. Schuster, New York, N. Y. Built-up post for wire baskets and the like. 2,460,594, Feb. 1.

O-Cedar Corp'n, assignee: *See*—
Oakhill, Frederic E.

O'Hare, Martin, Donora, Pa., assignor to The American Steel and Wire Company of New Jersey. Bottling apparatus. 2,460,711, Feb. 1.

Ohio Nut & Bolt Company, The, assignee: *See*—
Whelan, Roderick J., and Reich.

Oklejas, Eli, Monroe, Mich. Earth-moving machine. 2,460,764, Feb. 1.

O'Leary, Charles M., Los Angeles, Calif. Mechanical movement for slush pumps. 2,460,428, Feb. 1.

Oliver, Henry L., Durango, Colo., and M. B. Anderson, Albuquerque, N. Mex. Releasable casting weight. 2,460,526, Feb. 1.

Olliveros, Constant A., Houston, Tex. Wind pump for aerating bait containers. 2,460,527, Feb. 1.

Olson, Oscar R., Pittsburgh, Pa. Kettle furnace. 2,460,392, Feb. 1.

Oswald, Olaf, Honolulu, Territory of Hawaii. Carburetor. 2,460,528, Feb. 1.

Selvidge, Harner, Silver Spring, Md., assignor to the

Owens-Illinois Glass Company, assignee: *See*—
Buerger, Martin J., and Washken.
Oyler, Otto I., Canton, Ohio. Articulated vehicle. 2,460,429, Feb. 1.
Paasche, Jens A., Chicago, Ill. Airbrush. 2,460,529. Feb. 1.
Pabst, Arthur C., Douglaston, A. E. Griffiths, Port Washington, and E. B. Killingsworth, Douglaston, N. Y., assignors to Socony-Vacuum Oil Company, Incorporated. Organic medium for the production of aerosols. 2,460,792, Feb. 1.
Packard, Charles A., Welaka, Fla., assignor to Struthers-Dunn, Inc., Philadelphia, Pa. Self-starting synchronous hysteresis motor. 2,460,358, Feb. 1.
Page, Herbert E., Alhambra, Calif. Slide projector and magazine therefor. 2,460,359, Feb. 1.
Palaith, Herbert E., Evanston, Ill. Refrigerating means for containers. 2,460,765, Feb. 1.
Paquin, Joseph N., Euclid, assignor to The Weatherhead Company, Cleveland, Ohio. Self-adjusting tappet. 2,460,651, Feb. 1.
Paradis, Kenneth H. J., Island Pond, Vt. Window shade and curtain fixture. 2,460,360, Feb. 1.
Parke, Davis & Company, assignee: *See*—
Hiense, Henry K.
Patrol Valve Company, The, assignee: *See*—
Friedman, Arthur.
Minnich, Stehman S.
Patterson, Herman W., Cleveland Heights, Ohio. Tissue dispensing container and tissue packs therefor. 2,460,306, Feb. 1.
Paul, Philip T., Naugatuck, Conn., assignor to United States Rubber Company, New York, N. Y. Vulcanization of rubber. 2,460,393, Feb. 1.
Peatross, Erin B., Washington, D. C. Fender protector. 2,460,394, Feb. 1.
Peterson, Frank C., Locona, C. Z. Spiral cam adjustable socket wrench. 2,460,766, Feb. 1.
Peterson, Harold P., Raritan Township, Middlesex County, N. J. Instrument for post-mortem fingerprinting. 2,460,652. Feb. 1.
Peterson, Howard B.: *See*—
Jacobs, Samuel S., and Peterson.
Peterson, Russell G., Minneapolis, Minn. Collapsible casket table for automobiles. 2,460,712, Feb. 1.
Peterson, Walter H.: *See*—
McAllister, Sumner H., Anderson, and Peterson.
Petho, John A., Perkiomenville, Pa., assignor to Continental-Diamond Fibre Company, Newark, Del. Slipper bearing. 2,460,361, Feb. 1.
Petre, John R.: *See*—
Brenner, Robert W., and Petre.
Petyak, Stephen, Fort Mitchell, Ky. Container carrier. 2,460,530, Feb. 1.
Philadelphia Valve Company, assignee: *See*—
Jensen, James A.
Philco Corporation, assignee: *See*—
Rodgers, Lionel M.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Inner ring or expander for pistons. 2,460,430, Feb. 1.
Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Piston ring. 2,460,431, Feb. 1.
Phillips Petroleum Company, assignee: *See*—
Loy, John W.
Photoswitch, Incorporated, assignee: *See*—
Cade, Phillip J.
Pierce, John B., Foundation, assignee: *See*—
Rapp, George M.
Pierce, John R.: *See*—
Best, Fred H., and Pierce.
Pierce, Ogden R.: *See*—
McBee, Earl T., and Pierce.
Pierson, Earl, Harrisonburg, Va., and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Preparing substituted propanoic acid. 2,460,785, Feb. 1.
Pigeon, Elmer F., Spiceland, Ind. Shade roller. 2,460,307, Feb. 1.
Pigman, George R., Ridgefield Park, N. J., assignor to American Telephone and Telegraph Company. Control circuit for switching telegraph facilities. 2,460,767, Feb. 1.
Plank, Charles J., and J. F. Socolofsky, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation of phenol by alkyl halides catalyzed by finely divided gels of certain drying oils. 2,460,793, Feb. 1.
Plank, William C., Vallejo, Calif. Nonintermittent motion-picture projector. 2,460,432, Feb. 1.
Pommier, Henry, New York, N. Y. Jewelry clasp or the like. 2,460,531, Feb. 1.
Porter, Leslie R., Jr. Peabody, Mass. Mold for casting wall slabs. 2,460,532, Feb. 1.
Potts, Allen H., Chevy Chase, Md., assignor to the United States of America as represented by the Administrator, Federal Works Agency. Combined hinged tray and door fastener. 2,460,533, Feb. 1.
Precision Scientific Co., assignee: *See*—
Kurs, William.
Preload Enterprises, Inc., assignee: *See*—
Dobell, Curson.
Premoli, Romualdo and P. Corbat, Baden, Switzerland. Bridge plate type rail joint. 2,460,362, Feb. 1.
Prentice, Russell E., Dexter, Mich., assignor to General Aniline & Film Corporation, New York, N. Y. Carrying cord connecting means. 2,460,363, Feb. 1.
Pribil, Victor, Floral Park, N. Y. Device for supporting infants while bathing. 2,460,308, Feb. 1.
Procter and Gamble Company, The, assignee: *See*—
Eckey, Eddy W.
Proell, Wayne A.: *See*—
Shoemaker, Bernard H., Adams, and Proell.
Purdue Research Foundation, assignee: *See*—
McBee, Earl T., and Pierce.
Radcliffe, Charles W.: *See*—
Carmichael, Edward P., and Radcliffe.
Radio Corporation of America, assignee: *See*—
Brown, George H., and Hoyler.
Cantelo, Herbert B.
Forgue, Stanley V.
Fulton, Oliver H., Jr.
Schade, Otto H.
Schock, Robert E.
Shaw, Hubert R.
Sziklai, George C.
Thompson, Leland E.
Torsch, Charles E.
Rapp, George M., New Haven, Conn., assignor to John B. Pierce Foundation, New York, N. Y. Panel structural unit. 2,460,309, Feb. 1.
Rathman, Gilbert, Union, N. J., assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Screw pump. 2,460,310, Feb. 1.
Rauland Corporation, The, assignee: *See*—
Ssegbo, Constantin S.
Raybould, Frank J., Lakewood, assignor to The Weatherhead Company, Cleveland, Ohio. Hose end. 2,460,653, Feb. 1.
Raytheon Manufacturing Company, assignee: *See*—
Hanson, Per Roland, and Ulmer.
Reardon, Joseph D.: *See*—
Lowber, David D., Reardon, and Collyer.
Reconstruction Finance Corporation, assignee: *See*—
Di Zoppola, Mario.
Regina Corporation, The, assignee: *See*—
Smith, Courtland N., Jr.
Reich, Joseph, Tel Aviv, Palestine. Dental metal alloys. 2,460,595, Feb. 1.
Reich, Robert A.: *See*—
Whelan, Roderick J., and Reich.
Reid, George A., assignor to Northwest Metal Products, Inc., Seattle, Wash. Child's scooter. 2,460,395, Feb. 1.
Reinad Novelty Co. Incorporated, assignee: *See*—
Reinstein, Harry.
Reinstein, Harry, Rye, assignor to Reinad Novelty Co. Incorporated, New York, N. Y. Flexible fabric composed of rigid interconnected links. 2,460,654, Feb. 1.
Renier, William S., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Molding machine for plastic and other moldable materials. 2,460,468, Feb. 1.
Republic Steel Corporation, assignee: *See*—
Millar, Roland R.
Farrow, Cecil.
Fuchs, Norbert E.
Revere Camera Company, assignee: *See*—
Briskin, Jack.
Reynolds, Peter W.: *See*—
Bremner, John G. M., Reynolds, and Taylor.
Rheem Manufacturing Company, assignee: *See*—
Hoffman, Francis A., and Harlow.
Richards, Claude L., London, England, assignor to The Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Electrical condenser. 2,460,534, Feb. 1.
Richardson, Ewell, Los Angeles, Calif. Geometrical measuring and drafting instrument. 2,460,713, Feb. 1.
Rickmeyer, Ernst W., Berkeley, assignor to Jefferson Electric Company, Bellwood, Ill. Apparatus for determining the permeability of materials. 2,460,655, Feb. 1.
Rifkin, Milton, Denver, Colo., assignor, by mesne assignments, to Frez-O-Mat Corporation. Frozen food dispenser. 2,460,396, Feb. 1.
Rifkin, Milton, Chicago, Ill., and Myer S. Sutton, Minneapolis, Minn., assignors to Frez-O-Mat Corporation. Refrigerator having a door heating device. 2,460,469, Feb. 1.
Riley, George A., assignor to H. O. Canfield Co., Bridgeport, Conn. Basin plug stopper or the like. 2,460,768, Feb. 1.
Riley, Neil J., Lyndhurst, N. J. Two-piece welding pipe flange. 2,460,311, Feb. 1.
Ripley, Edwin B., Los Angeles, Calif. Electric hood. 2,460,433, Feb. 1.
Robinson, John W., Brecksville, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl diaryl methanes. 2,460,535, Feb. 1.
Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Method and apparatus for peening the inside of tubes and other hollow bodies. 2,460,657, Feb. 1.
Roche, Paul C., assignor to Lord Manufacturing Company, Erie, Pa. Cushion support. 2,460,596. Feb. 1.
Rockwell Manufacturing Company, assignee: *See*—
Bergman, Charles P., and Cornell.
Scherer, George F.

Rodgers, Lionel M., Springfield Township, Montgomery County, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Position indication and control system. 2,460,597, Feb. 1.
Roehrl, Carl, Chicago, Ill. Reciprocating and locking means for dies or the like. 2,460,658, Feb. 1.
Roesler, Layton S., Claflin, Kans. Mixing bowl guard. 2,460,364, Feb. 1.
Rogers, Arthur O., Lewiston, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction between vinyl cyanide and reactive methylene compounds. 2,460,536, Feb. 1.
Rogers, Samuel P., El Paso, Tex. Holding tool. 2,460,470, Feb. 1.
Rohm & Haas Company, assignee: *See*—
Bruson, Herman A., and Niederhauser.
Spence, Le Roy U., and Sakal.
Rollason, Ernest C., Essex, England, assignor to Metal and Thermit Corporation, New York, N. Y. Coated weldrod. 2,460,537, Feb. 1.
Roots-Connersville Blower Corporation, assignee: *See*—
Rathmann, Gilbert.
Rose, Francis L.: *See*—
Basford, Frederick R., Curd, and Rose.
Ross Heater & Manufacturing Co., Inc., assignee: *See*—
Tinker, Townsend.
Rosvall, Frank D., Worcester, Mass. Magazine pistol safety and cocking mechanism. 2,460,598, Feb. 1.
Roth, Jay M., Euclid, Ohio, assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Pump, by-pass valve assembly. 2,460,397, Feb. 1.
Rowe, Raymond N., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric switch actuator. 2,460,599, Feb. 1.
Roys, Carl S., West Chicago, Ill., assignor, by mesne assignments, to Nader Engineering Company. Alternating current generator. 2,460,714, Feb. 1.
Sakal, Emile H.: *See*—
Spence, Le Roy U., and Sakal.
Salem, Philip G., Akron, Ohio. End protector for rolled strip material. 2,460,434, Feb. 1.
Sarbach, Donald V., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Amino alcohols as softeners in butadiene-styrene copolymers. 2,460,600, Feb. 1.
Sargent & Company, assignee: *See*—
Stronach, Rupert G.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Mount for electron tubes. 2,460,398, Feb. 1.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Method and apparatus for measuring persistence screen characteristics. 2,460,471, Feb. 1.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Cathode-ray tube deflecting system. 2,460,601, Feb. 1.
Schafer, Glen H.: *See*—
Lloyd, William R., and Schafer.
Schaffer, Fred B., Kansas City, Mo. Golf club. 2,460,435, Feb. 1.
Schallis, Alvin, Jersey City, N. J., assignor to Stauffer Chemical Company. Production of insoluble sulfur. 2,460,365. Feb. 1.
Schassberger, Norman A., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle closure. 2,460,399, Feb. 1.
Scherer, George F., San Francisco, Calif., assignor to Rockwell Manufacturing Company, Pittsburgh, Pa. Method and apparatus for lapping valves. 2,460,312, Feb. 1.
Schlatter, Carl, Wilmington, Del., and C. V. Holmberg, Crossett, Ark. assignors to American Viscose Corporation, Wilmington, Del. Treatment of regenerated cellulose thread. 2,460,400, Feb. 1.
Schmidt, Arthur J., Milwaukee, Wis. Time recording apparatus. 2,460,659, Feb. 1.
Schneider, Frank H., assignor to Florence Stove Company, Gardner, Mass. Draft regulator. 2,460,538, Feb. 1.
Schock, Robert E., Riverhead, N. Y., assignor to Radio Corporation of America. Squelch circuit for suppressing noise components. 2,460,786, Feb. 1.
Schoebel, Henry, West Hempstead, assignor to Model Brassiere Corp., Brooklyn, N. Y. Brassiere. 2,460,715, Feb. 1.
Schuster, Max: *See*—
Obernauer, William, and Schuster.
Schwartz, Leo: *See*—
Kahn, George, and Schwartz.
Schwarz, Eugene A., Snyder, assignor to The Geo. L. Squier Mfg. Co., Buffalo, N. Y. Gate positioning mechanism for hulling machines. 2,460,769, Feb. 1.
Schwarz, Otto B.: *See*—
Eisenberg, Ben, and Schwarz.
Scott & Williams, Incorporated, assignee: *See*—
Bristow, Paul W.
Seedorf, Ralph F., assignor to Carthage Mills, Inc., Cincinnati, Ohio. Felt base material for adhesive attachment to surfaces and coating composition for same. 2,460,787, Feb. 1.
Seemann, Arthur K., Manhasset, N. Y., assignor to The Linde Air Products Company. Shock-resistant filament guide. 2,460,366, Feb. 1.
Selvidge, Harner, Silver Spring, Md., assignor to the United States of America as represented by the Secretary of the Navy. Vacuum tube grid construction. 2,460,794, Feb. 1.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for film-type distillations. 2,460,602, Feb. 1.
Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-cyano esters. 2,460,603, Feb. 1.
Seyferth, Harold N., East Detroit, assignor to Ex-Cell-O Corporation, Detroit, Mich. Improving the surface of form ground races. 2,460,472, Feb. 1.
Shank, Eldon C., Freeport, Ill. Centrifugal clutch. 2,460,539, Feb. 1.
Sharpe, Donald B., North Tonawanda, assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,460,367, Feb. 1.
Sharpe, John S., Research Foundation of the Bryn Mawr Hospital, The, assignee: *See*—
Strumia, Max M., and Chornock.
Sharples Corporation, The, assignee: *See*—
Gooch, Fred P.
Shaw, Albert W., assignee: *See*—
Beverleigh, Elmar R.
Shaw, Hubert R., Drexel Hill, Pa., assignor to Radio Corporation of America. Control circuit. 2,460,540, Feb. 1.
Shell Development Company, assignee: *See*—
McAllister, Sumner H., Anderson, and Peterson.
Shirey, Charles H., Bridgeville, Pa. Artillery war game. 2,460,770, Feb. 1.
Shoemaker, Bernard H., Hammond, and C. E. Adams, Highland, Ind., and W. A. Proell, assignors to Standard Oil Company, Chicago, Ill. Mercapto alcohol esters. 2,460,436, Feb. 1.
Shurley, Robert G., Money, Miss. Bird call. 2,460,716, Feb. 1.
Siler, Thomas B., Atlanta, Ga. Football card game. 2,460,541, Feb. 1.
Simcox, Burton B., Knoxville, Tenn. Ventilator. 2,460,604, Feb. 1.
Simplex Time Recorder Co., assignee: *See*—
Hobby, Harold E.
Sliwiak, Walter, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Adjustable magnetic shunt for laminated core structures. 2,460,656, Feb. 1.
Smith, A. O., Corporation, assignee: *See*—
Hart, Edward.
Koppel, Ernst E.
Smith, Charles J., Albany, N. Y. Hay loader. 2,460,544, Feb. 1.
Smith, Clifton E.: *See*—
Courtney, Albert L., and Smith.
Smith, Clyde C., Kokomo, Ind. Drinking tube and glass clamp. 2,460,542, Feb. 1.
Smith, Courtland N., Jr., Colonia, assignor to The Regina Corporation, Rahway, N. J. Can opener. 2,460,717, Feb. 1.
Smith, Minton L., Savannah, Ga. Catheter. 2,460,473, Feb. 1.
Snow, Floyd E., assignor to Technical Coatings, Inc., Pasadena, Calif. Vent construction for airplane fuel tanks. 2,460,368, Feb. 1.
Socolofsky, John F.: *See*—
Plank, Charles J., and Socolofsky.
Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Folda, Bert, Jr.
Pabst, Arthur C., Griffiths, and Killingsworth.
Plank, Charles J., and Socolofsky.
Stover, William A.
Soissa, John A., Winnetka, assignor to Certain-teed Products Corporation, Chicago, Ill. Apparatus for feeding flowable material from a plurality of containers. 2,460,605, Feb. 1.
Sonntag, Alfred, Greenwich, Conn., assignor, by mesne assignments, to The Baldwin Locomotive Works. Materials testing machine. 2,460,771, Feb. 1.
Soref, Harry E., and D. J. Foote, assignors to Master Lock Company, Milwaukee, Wis. Plug retaining plate for lock cylinders. 2,460,474, Feb. 1.
Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Directive microwave radio antenna. 2,460,401, Feb. 1.
Sparkler Mfg. Co., assignee: *See*—
Kracklauer, Aloysius C.
Spence, Le Roy U., Elkins Park, Pa., and E. H. Sakal, Brooklyn, N. Y., assignors to Röhm & Haas Company, Philadelphia, Pa. Production of methacrylonitrile and alpha-chloro isobutyronitrile. 2,460,788, Feb. 1.
Sperry Corporation, The, assignee: *See*—
Ginston, Edward L.
Spierer, Edward, Brooklyn, N. Y. Ultraviolet ray toilet seat. 2,460,543, Feb. 1.
Spreng, Warren M., assignor to The F. E. Myers & Bro. Company, Ashland, Ohio. Spray gun. 2,460,545, Feb. 1.
Squier, Geo. L., Mfg. Co., The, assignee: *See*—
Schwarz, Eugene A.
Standard Oil Company, assignee: *See*—
Johnson, Everett A., and Becker.
Shoemaker, Bernard H., Adams, and Proell.

Stauffer Chemical Company, assignee: *See*—
Schallis, Alvin.
Stauffer, Earl C., Lancaster Pa. Housing for oil burners. 2,460,370, Feb. 1.
Stegemeyer, Lou A., Cincinnati, Ohio, assignor to Emery Industries, Inc. Preparation of oleonitrile. 2,460,772, Feb. 1.
Stephanoff, Nicholas N., Elkton, Md., assignor, by mesne assignments, to C. H. Wheeler Manufacturing Company. Method and apparatus for treating materials. 2,460,546, Feb. 1.
Stevens, Charles R., Toledo, assignor, by mesne assignments, to Glass Fibers, Inc., Waterville, Ohio. Drawing crucible. 2,460,547, Feb. 1.
Stevens, Clifford B., assignor to The Heinn Company, Milwaukee, Wis. Loose-leaf binder. 2,460,718, Feb. 1.
Stewart, William D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Creatine and creatinine as catalysts for polymerisation of butadiene. 2,460,606, Feb. 1.
Stewart, William L., Fitchburg, Mass. Comb. 2,460,548, Feb. 1.
Stiles, Earl, Lusk, Wyo. Device for recording grocery want lists. 2,460,549, Feb. 1.
Stimson, Allen G., Lynnfield, Mass., assignor to General Electric Company. Temperature sensitive variable inductance. 2,460,773, Feb. 1.
Stover, William A., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Alkylation in the presence of water as catalyst. 2,460,719, Feb. 1.
Stronach, Rupert G., Hamden, assignor to Sargent & Company, New Haven, Conn. Door check and closer. 2,460,369, Feb. 1.
Strumia, Max M., Penn Valley, and F. W. Chornock, Devon, Pa., assignor to The John S. Sharpe Research Foundation of the Bryn Mawr Hospital. Modified globin and its preparation. 2,460,550, Feb. 1.
Struthers-Dunn, Inc., assignee: *See*—
Packard, Charles A.
Studebaker Corporation, The, assignee: *See*—
Sullivan, Perry W.
Submarine Signal Company, assignee: *See*—
Benioff, Hugo.
Sullivan, Perry W., assignor to The Studebaker Corporation, South Bend, Ind. Push-button means. 2,460,607, Feb. 1.
Sulzer Frères, Société Anonyme, assignee: *See*—
Huber, Walter.
Traupel, Walter.
Sutton, Myer S.: *See*—
Rifkin, Milton, and Sutton.
Svenska Turbinfabrika Aktiebolaget Ljungström, assignee: *See*—
Moller, Ragnar O. J.
Swainey, Homer L.: *See*—
Flygare, Carl G., and Swainey.
Swanson, Gunnar E., New Britain, Conn. Unitary tumbler cylinder lock. 2,460,551, Feb. 1.
Sweets Laboratories, Inc., assignee: *See*—
Lindhe, Eric G.
Szegho, Constantin S., assignor to The Rauland Corporation, Chicago, Ill. Cathode-ray tube. 2,460,608, Feb. 1.
Sziklai, George C., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,460,402, Feb. 1.
Sawargulski, Alex N., assignor to Carter Carburator Corporation, St. Louis, Mo. Motor cooling means. 2,460,371, Feb. 1.
Tank Fertilizer, Inc., assignee: *See*—
Aycock, Walter F.
Tarapcsynski, Sigmund, Niagara Falls, N. Y. Knife sharpener. 2,460,552, Feb. 1.
Taylor, Arthur W. C.: *See*—
Bremner, John G. M., Reynolds, and Taylor.
Taylor, Moulton B., U. S. Navy. Clutch device. 2,460,313, Feb. 1.
Taylor, Taylor & Hobson Limited, assignee: *See*—
Cooke, Ernest A.
Teague, Maurice E., Cheney, Wash. Automatic dump body. 2,460,403, Feb. 1.
Technical Coatings, Inc., assignee: *See*—
Snow, Floyd H.
Thompson, Leland E., Merchantville, N. J., assignor to Radio Corporation of America. Fault indicator for radio relaying systems. 2,460,789, Feb. 1.
Thompson, Marvin R., Riverside, Conn. Sulfa drug compositions. 2,460,437, Feb. 1.
Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Threaded opening. 2,460,720, Feb. 1.
Thompson, Roy J., Gary, Ind., assignor to Inland Steel Company, Chicago, Ill. Forming bungs in metallic plates. 2,460,721, Feb. 1.
Thomson, E. Craig, Boston, assignor to Combustion Control Corporation, Cambridge, Mass. Apparatus for supervising heat generating means. 2,460,314, Feb. 1.
Thomson, Robin H. K., Kilwinning, Scotland, assignor to Imperial Chemical Industries Limited. Manufacture of artificial protein filaments. 2,460,372, Feb. 1.
Timken-Detroit Axle Company, The, assignee: *See*—
Keese, Beverly W.
Tingue, Brown & Co., assignee: *See*—
Foster, John W.
Tinker, Townsend, Orchard Park, assignor to Ross Heater & Manufacturing Co., Inc., Buffalo, N. Y. Heat exchanger. 2,460,660, Feb. 1.
Tintes, Hubert A., West Fargo, N. Dak. Portable grain elevator. 2,460,661, Feb. 1.
Tishler, Max: *See*—
Pierson, Earl, and Tishler.
Torrance, William, Calgary, Alberta, Canada. Tire pressure alarm. 2,460,315, Feb. 1.
Torsch, Charles E., Lancaster Township, Lancaster County, Pa., assignor to Radio Corporation of America. Beam aligning apparatus. 2,460,609, Feb. 1.
Traupel, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Gas turbine plant. 2,460,610, Feb. 1.
Trautman, Walter C., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Valve. 2,460,774, Feb. 1.
Treiman, Morris, assignor to Allied Plastics Company, Los Angeles, Calif. Garment hanger. 2,460,438, Feb. 1.
Treifa, Richard T.: *See*—
Erkko, Eero O., and Treifa.
Trent, Horace M., and T. F. Jones, Alexandria, Va. Echo ranging and listening gear. 2,460,316, Feb. 1.
Trompeter, David, Sandy Hook, Conn. Electric current theft prevention means. 2,460,553, Feb. 1.
Trubenised Limited, assignee: *See*—
Bihaly, Lajos.
Trumbull Electric Manufacturing Company, The, assignee: *See*—
Rowe, Raymond N.
Tschumi, Otto, assignor to Autophon Aktiengesellschaft, Soleure, Switzerland. Arrangement for changing over the speaking direction in loud-speaker duplex systems. 2,460,475, Feb. 1.
Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Pneumatic thread holder for weft replenishing looms. 2,460,611, Feb. 1.
Tuttle, Robert E., Wilmington, Del. Button construction for garments and the like. 2,460,775, Feb. 1.
Tuttle, William R., and W. J. Beldue, assignors to The Kurlash Company, Inc., Rochester, N. Y. Eyelash curler. 2,460,317, Feb. 1.
Tyszer, Howard J., Caldwell, assignor to Ferris Instrument Laboratories, Boonton, N. J. High-frequency potential dividing termination. 2,460,476, Feb. 1.
Ulmer, Harold W.: *See*—
Hanson, Per Roland, and Ulmer.
Union Switch & Signal Company, The, assignee: *See*—
Cadman, Ira F.
Konrad, William L., Boesart, and Leberknight.
Young, Henry S.
United Aircraft Corporation, assignee: *See*—
Hahn, Frank J.
Hersey, Donald S., and Brown.
Willgoos, Andrew V. D.
United Shoe Machinery Corporation, assignee: *See*—
Edgar, David.
Haas, Otto R.
United States Rubber Company, assignee: *See*—
Paul, Philip T.
Universal Oil Products Company, assignee: *See*—
Ward, John W.
Utter, Joseph L.: *See*—
Kreidl, Ekkehard L., and Utter.
Vanderpool, Harold D.: *See*—
McGee, Kenneth, and Vanderpool.
Van Evera, Margaret L.: *See*—
Allen, Adda M., and Van Evera.
Van Voorhis, Noble, Canton, Ohio, assignor, by mesne assignments, of seventy-six and eighty-nine one-hundredths per cent to R. E. MacKenzie and twenty-three and eleven one-hundredths per cent to L. V. Bocklus. Building construction. 2,460,662, Feb. 1.
Varian, Russell H.: *See*—
Hansen, William W., and Varian.
Verson Allsteel Press Company, assignee: *See*—
Verson, David C.
Verson, David C., assignor to Verson Allsteel Press Company, Chicago, Ill. Press with hydraulically controlled blankholder. 2,460,612, Feb. 1.
Vincent, James G., Rochester, N. Y., assignor to The Noned Corporation. Bacteriostatic base for medicinal, cosmetic, and toilet preparation. 2,460,776, Feb. 1.
Vogel, William M., Montclair, N. J. Sprayer. 2,460,554, Feb. 1.
Von Voigtlander, Frederick, Ann Arbor, Mich. Tool assembly. 2,460,555, Feb. 1.
Waara, David H., Detroit, assignor to R. L. Brown, Ferndale, Mich. Fastener. 2,460,722, Feb. 1.
Wagar, Harold N., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coil arrangement for electromagnetic devices. 2,460,556, Feb. 1.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft replenishing pick and pick loom. 2,460,318, Feb. 1.
Waldeyer, Carl, San Francisco, Calif. Motion-picture combination. 2,460,320, Feb. 1.
Waldman, Bernard, Springfield, Mass. Antiglare device. 2,460,373, Feb. 1.

Walker, Brooks, Piedmont, Calif. Apparatus for launching rockets from turrets. 2,460,321, Feb. 1.
Walker, Brooks, Piedmont, Calif. Mine exploder. 2,460,322, Feb. 2.
Walker, Theron H., Los Angeles, Calif. Reciprocating grater with removable toolplate. 2,460,663, Feb. 1.
Wallman, Carl B., Birmingham, assignor to Ex-Cell-O Corporation, Detroit, Mich. Indexing head. 2,460,477, Feb. 1.
Walls, Billy, Colonie, Italy; C. M. Walls administrator of said Billy Walls, deceased. Aircraft flight control system. 2,460,374, Feb. 1.
Walls, C. M., administrator: *See*—
Walls, Billy.
War, the United States of America as represented by the Secretary of, assignee: *See*—
Hickman, Clarence N.
Holcomb, Normand P.
McGee, Kenneth, and Vanderpool.
Ward, John W., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversions of hydrocarbons. 2,460,404, Feb. 1.
Warden, Warren H., Bradford, Pa., assignor to P. J. Gaylord, Newark, N. J. Waterproofing cellulosic material with higher aliphatic acyl peroxides. 2,460,777, Feb. 1.
Warner, Milton W., Long Beach, Calif. Splice wrapper. 2,460,478, Feb. 1.
Warrick, Earl L., Pittsburgh, Pa., assignor to Corning Glass Works, Corning, N. Y. Making rubbery polymeric organo-siloxane compositions. 2,460,705, Feb. 1.
Washken, Edward: *See*—
Buerger, Martin J., and Washken.
Weatherhead Company, The, assignee: *See*—
Balogh, Roy O.
Courtot, Louis B.
Crawley, Charles H.
Herold, Robert E.
Paquin, Joseph N.
Raybould, Frank J.
Weaver, William H.: *See*—
Ashley, Donald S., and Weaver.
Weesner, Max, assignor to The Weesel Bait Company, Cincinnati, Ohio. Line measuring and reeling device. 2,460,723, Feb. 1.
Weesel Bait Company, The, assignee: *See*—
Weesner, Max.
Wehn, Charles E., Alameda, Calif. Mechanical pencil. 2,460,323, Feb. 1.
Western Electric Company, Incorporated, assignee: *See*—
Gambrill, Richard D., and Lewis.
Westinghouse Electric Corporation, assignee: *See*—
Cumming, James M.
Lingal, Harry J.
Wethly, Frans, Manhasset, N. Y., assignor to Allied Chemical & Dye Corporation. Combination vertical flued coke-oven battery adapted to coke swelling coals. 2,460,324, Feb. 1.
Wheeler, C. H., Manufacturing Company, assignee: *See*—
Stephanoff, Nicholas N.
Wheeler, William N., Paris, Ky. Child's vehicle. 2,460,479, Feb. 1.
Whelan, Roderick J., and R. A. Reich, assignors to The Ohio Nut & Bolt Company, Berea, Ohio. Captive screw assembly. 2,460,613, Feb. 1.
Whetstone, John, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Granular or powder explosives and their manufacture. 2,460,375, Feb. 1.
White, Florence, Bound Brook, N. J. Convertible child's seat and car. 2,460,557, Feb. 1.
Whiteside, Robert S., Scarsdale, N. Y., and C. H. Allen, Cincinnati, Ohio, assignors, by mesne assignments, to Winthrop-Stearns Inc., New York, N. Y. Benzoyl peroxide bleaching composition. 2,460,439, Feb. 1.
Whitson, Mercer L., Norfolk, and H. H. Harcum, Portsmouth, Va. Expansible mandrel. 2,460,325, Feb. 1.
Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic pressure control means. 2,460,664, Feb. 1.
Wiberg, Oscar A., Finspong, Sweden. Slide rule. 2,460,558, Feb. 1.
Wiener, Norton: *See*—
Cutler, Stanley, and Wiener.
Wildhaber, Ernest, Brighton, N. Y. Blade pitch adjustment. 2,460,559, Feb. 1.
Willgoos, Andrew V. D., West Hartford, assignor to United Aircraft Corporation, East Hartford, Conn. Torque regulating device for compressors. 2,460,778, Feb. 1.
Williams, Horace, Alliance, Ohio. Hand snowplow. 2,460,560, Feb. 1.
Willys-Overland Motors, Inc., assignee: *See*—
Schasberger, Norman A.
Winkelmann, Samuel A., assignor of one-half to W. L. Goldston, Houston, Tex. Apparatus for cementing wells. 2,460,561, Feb. 1.
Winthrop-Stearns Inc., assignee: *See*—
Whiteside, Robert S., and Allen.
Wolff, Julius, Amsterdam, Netherlands; vested in the Attorney General of the United States. Method of and apparatus for producing artificial sausage skins. 2,460,480, Feb. 1.
Woodruff, Clarence M., Dayton, Ohio. Transmitter. 2,460,326, Feb. 1.
Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.
Woolford, Custis S., South Orange, N. J., assignor to American Can Company, New York, N. Y. Solder wiper mechanism with shielding means. 2,460,327, Feb. 1.
Worrell, Ted H., Santa Paula, Calif. Bobby pin opener. 2,460,562, Feb. 1.
Worthington Pump and Machinery Corporation, assignee: *See*—
Grace, John F.
Wurzburger, Paul D., Cleveland Heights, Ohio. Solder fitting. 2,460,665, Feb. 1.
Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,666, Feb. 1.
Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,667, Feb. 1.
Wurzburger, Paul D., Cleveland Heights, Ohio. Fitting. 2,460,668, Feb. 1.
Wyandotte Chemicals Corporation, assignee: *See*—
Courtney, Albert L., and Smith.
Yale & Towne Manufacturing Company, The, assignee: *See*—
Andrew, John P.
Yardeny, Michel N., assignee: *See*—
Bernas, Robert.
Young, Graeme E., Hollywood, Calif. Miniature rotatable stage or exhibiting device. 2,460,328, Feb. 1.
Young, Henry S., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote-control system. 2,460,327, Feb. 1.
Young, L. A. Spring & Wire Corporation, assignee: *See*—
Lupanoff, John.
Young Radiator Company, assignee: *See*—
Kidd, Earl H.
Zelvin, Arnold, New York, N. Y. Relatively movable membered puzzle. 2,460,563, Feb. 1.
Zimmer, Myron J., Wood Dale, assignor to Ekco Products Company, Chicago, Ill. Strainer. 2,460,614, Feb. 1.

LIST OF PLANT INVENTIONS

Peach tree. J. A. Wickersham. 821, Feb. 1.

Rose plant. T. J. Andre. 822, Feb. 1.

LIST OF DESIGN INVENTIONS

Badge. F. S. Land. 152,546, Feb. 1.
Bag, Motorcycle saddle. J. B. Hampel. 152,530, Feb. 1.
Blanket or similar fabric article. M. D. Cramer. 152,519, Feb. 1.
Bottle. J. Braun. 152,514–15, Feb. 1.
Bottle or similar container. M. A. MacLean. 152,553, Feb. 1.
Bottle, Perfume. D. Gibson. 152,527, Feb. 1.
Box or the like. J. L. Duncan and B. Martin. 152,523, Feb. 1.
Brooch or similar article. E. Deutsch. 152,522, Feb. 1.
Brooch or similar article. W. W. Hobé. 152,541, Feb. 1.
Cabinet for a bottled beverage cooling unit or similar article. A. C. Wesche. 152,579, Feb. 1.
Cabinet or the like, Radiator. J. Israel. 152,545, Feb. 1.
Cap and latch for screen holder, Combined. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 152,535, Feb. 1.
Case and perfume vial, Combined lipstick. I. M. Lang. 152,547, Feb. 1.
Case, Display. G. E. Millard. 152,555, Feb. 1.
Container for powdered soap or similar article. F. Barnes. 152,513, Feb. 1.
Earring or similar article. M. Chernow. 152,517, Feb. 1.
Earring or similar article. A. Philippe. 152,559–66, Feb. 1.
End plate, Lighting fixture. J. O. Howard. 152,543, Feb. 1.
Fabric. M. R. Hamre. 152,531, Feb. 1.
Fan housing. T. C. Brown. 152,516, Feb. 1.
Fish lure. T. F. Gelser. 152,526, Feb. 1.
Fishing lure. E. J. Howard. 152,542, Feb. 1.
Handle, Pot and pan. A. L. Henkel. 152,539, Feb. 1.
Holder, Candle. W. E. Mackelfresh, Jr. 152,551–2, Feb. 1.
Holder for paper sundae dish. L. M. Turner. 152,574, Feb. 1.
Hosiery display device. M. M. Halpern. 152,529, Feb. 1.
Knife or similar article of flatware. H. K. Friedman. 152,525, Feb. 1.
Master station unit, Intercommunicating system. M. Wasserman. 152,577, Feb. 1.
Memo book, Picture birthday. A. T. Turpin. 152,575, Feb. 1.
Photographic laboratory, Portable. C. M. Nielsen. 152,557, Feb. 1.
Picture screen base, Portable. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 152,536, Feb. 1.
Picture screen, Portable. J. T. Heck, L. J. Du Mais, and C. O. Talbot. 152,537, Feb. 1.
Printing and developing machine, Combined. J. W. Coffman and F. O. Trump. 152,518, Feb. 1.
Sewing accessory or similar article. M. Muramatsu. 152,556, Feb. 1.
Sharpener, Pencil. C. Godfrey. 152,528, Feb. 1.
Sharpener, Pencil. R. A. May. 152,554, Feb. 1.
Shoe. J. Sandler. 152,568–72, Feb. 1.
Shoehorn. M. R. Lilly. 152,548, Feb. 1.
Stand, Display. C. M. Link. 152,549, Feb. 1.
Stand, Lamp. P. Schultz. 152,573, Feb. 1.
Station unit, Intercommunicating system. M. Wasserman. 152,578, Feb. 1.
Statuette. J. A. D'Arcy. 152,520, Feb. 1.
Stroller or similar article. S. J. Wallace. 152,576, Feb. 1.
Textile fabric or similar article. M. R. Hamre. 152,582–5, Feb. 1.
Tilting support for photographic cameras or the like. F. R. Heward. 152,540, Feb. 1.
Toy animal figure. J. L. Hvale. 152,544, Feb. 1.
Toy bank. D. D. Rupe. 152,567, Feb. 1.
Toy, Rocking. C. C. Flatt. 152,524, Feb. 1.
Tray. N. M. Dean. 152,521, Feb. 1.
Tray, Tiered. A. M. Paolino. 152,558, Feb. 1.
Washing machine. J. M. Little. 152,550, Feb. 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Making. D. B. Sharpe. 2,460,367, Feb. 1.
Accordion, Amplified. W. J. Babicky. 2,460,408, Feb. 1.
Acetamido dimethylacrylic acid, Making. R. Mozingo and K. Folkers. 2,460,708, Feb. 1.
Acid ester of cellulose, Plasticized lower fatty. A. F. Caprio and W. Horback. 2,460,376, Feb. 1.
Adjustable multicolored light filter. R. C. Johnston. 2,460,507, Feb. 1.
Airbrush. J. A. Paasche. 2,460,529, Feb. 1.
Air conditioning device, Personal body. W. R. Appeldoorn, 2,460,269, Feb. 1.
Alarm, Tire pressure. W. Torrance. 2,460,315, Feb. 1.
Alcohol esters, Mercapto. B. H. Shoemaker, C. E. Adams, and W. A. Proell. 2,460,436, Feb. 1.
Aligning apparatus, Beam. C. E. Torsch. 2,460,609, Feb. 1.
Alkylation in the presence of water as catalyst. W. A. Stover. 2,460,719, Feb. 1.
Alkylation of phenol by alkyl halides catalyzed by finely divided gels of certain drying oils. C. J. Plank and E. F. Socolofsky. 2,460,793, Feb. 1.
Alloys, Dental metal. J. Reich. 2,460,595, Feb. 1.
Alpha-cyano esters, Preparation of. W. L. Semon. 2,460,603, Feb. 1.
Alternating current generator. C. S. Roys. 2,460,714, Feb. 1.
Aluminum phosphates, Preparation of. H. H. Greger. 2,460,344, Feb. 1.
Amino alcohols as softeners in butadiene-styrene copolymers. D. V. Sarbach. 2,460,600, Feb. 1.
Antiglare device. B. Waldman. 2,460,373, Feb. 1.
Apparatus for cementing wells. S. A. Winkelmann. 2,460,561, Feb. 1.
Apparatus for dehydrating petroleum products in situ in tank storage. E. P. Baker. 2,460,271, Feb. 1.
Apparatus for determining the permeability of materials. E. W. Rickmeyer. 2,460,655, Feb. 1.
Apparatus for feeding flowable material from a plurality of containers. J. A. Solssa. 2,460,605, Feb. 1.
Apparatus for film-type distillations. W. L. Semon. 2,460,602, Feb. 1.
Apparatus for flame cutting. F. J. Douglass. 2,460,412, Feb. 1.
Apparatus for launching rockets from turrets. B. Walker. 2,460,321, Feb. 1.
Apparatus for locating faults in cables. R. D. Gambrill and C. E. Lewis. 2,460,688, Feb. 1.
Apparatus for measuring liquid level or specific gravity. W. H. Howe. 2,460,503, Feb. 1.
Apparatus for supervising heat generating means. E. C. Thomson. 2,460,314, Feb. 1.
Applicator, Lip rouge dispenser. R. E. Kruck. 2,460,299, Feb. 1.
Arc extinguishing device. W. A. Atwood and E. W. Boehne. 2,460,727, Feb. 1.
Arm support. A. V. Lewis. 2,460,589, Feb. 1.
Arrangement for changing over the speaking direction in loud-speaker duplex systems. O. Tschumi. 2,460,475, Feb. 1.
Article handling apparatus. S. A. Corren. 2,460,379, Feb. 1.
Articulated vehicle. O. I. Oyler. 2,460,429, Feb. 1.
Artificial foot. E. P. Carmichael and C. W. Radcliffe. 2,460,446, Feb. 1.
Artificial sausage skins, Method of and apparatus for producing. J. Wolff. 2,460,480, Feb. 1.
Asbestos impregnated with tin oxide and producing. T. D. Callinan. 2,460,734, Feb. 1.
Assembly for flatwork ironer rolls, Protective. J. W. Foster. 2,460,343, Feb. 1.
Attachment for shears, Grass-catching. J. F. Appleton. 2,460,616, Feb. 1.
Axle, Drive. B. W. Keese. 2,460,295, Feb. 1.
Bag: *See*—
Coffee steeping bag.
Barrel. E. H. Benson. 2,460,410, Feb. 1.
Baseboard room heater. W. A. Ellis. 2,460,625, Feb. 1.
Base for medicinal, cosmetic, and toilet preparation, Bacteriostatic. J. G. Vincent. 2,460,776, Feb. 1.
Base material for adhesive attachment to surfaces and coating composition for same, Felt. R. F. Seedorf. 2,460,787, Feb. 1.
Bearing: *See*—
Slipper bearing.
Binder, Loose-leaf. C. B. Stevens. 2,460,718, Feb. 1.
Bird call. B. G. Shurley. 2,460,716, Feb. 1.
Bit: *See*—
Detachable bit.
Blade pitch adjustment. E. Wildhaber. 2,460,559, Feb. 1.
Blade, Rotor. F. A. Hoffman and M. B. Harlow. 2,460,351, Feb. 1.
Bleaching composition, Benzoyl peroxide. R. S. Whiteside and C. H. Allen. 2,460,439, Feb. 1.
Block: *See*—
Building block.
Blood collecting apparatus. J. J. Kleiner. 2,460,641, Feb. 1.
Bonded structures, Making. M. J. Buerger and E. Washken. 2,460,334, Feb. 1.
Boring head. H. C. Gillette. 2,460,689, Feb. 1.
Bottling apparatus. M. O'Hare. 2,460,711, Feb. 1.
Box: *See*—
Mixing box. Storage box.
Brake and tension for warp beamers. C. W. Burrum. 2,460,569, Feb. 1.
Brake beam structure, Railway. D. E. Barton. 2,460,670, Feb. 1.
Brassière. H. Schoebel. 2,460,715, Feb. 1.
Bridge plate type rail joint. R. Premoli and P. Corbat 2,460,362, Feb. 1.
Buffing wheel. J. F. Leslie. 2,460,588, Feb. 1.
Building block. P. P. Baccaro. 2,460,330, Feb. 1.
Building construction. N. Van Voorhis. 2,460,662, Feb. 1.
Building unit for house construction. R. F. Lufkin. 2,460,464, Feb. 1.
Bungs in metallic plates, Forming. R. J. Thompson. 2,460,721, Feb. 1.
Burner: *See*—
Gasifying fuel burner.
Button construction for garments and the like. R. E. Tuttle. 2,460,775, Feb. 1.
Cabinet and drawer with compressing and signaling means, Combined. M. Effros and C. E. Mills. 2,460,572, Feb. 1.
Cake pans, Wrapping tubular. J. M. Luker. 2,460,644, Feb. 1.
Can bodies having vented side seams, Producing. T. Begg. 2,460,273, Feb. 1.
Carbine tool. J. J. Bartolat. 2,460,272, Feb. 1.
Carburetor. O. Oswald. 2,460,528, Feb. 1.
Card, Record. R. Connor. 2,460,378, Feb. 1.
Carotenoid concentrates from palm oil, Preparing. E. W. Eckey. 2,460,796, Feb. 1.
Carrier: *See*—
Container carrier.
Case and lighter, Combined cigarette. H. E. Musselman and W. H. Buck. 2,460,427, Feb. 1.
Casing, Adjustable window. F. Cervellone. 2,460,677, Feb. 1.
Casket table for automobiles, Collapsible. R. G. Peterson. 2,460,712, Feb. 1.
Catheter. M. L. Smith. 2,460,473, Feb. 1.
Cathode-ray tube. C. S. Szegho. 2,460,608, Feb. 1.
Cellulose dielectric material and producing the same, Regenerated. G. B. Gardner. 2,460,282, Feb. 1.
Cellulose thread, Treatment of regenerated. C. Schlatter and C. V. Holmberg. 2,460,400, Feb. 1.
Cellulosic material with higher aliphatic acyl peroxides, Waterproofing. W. B. Warden. 2,460,777, Feb. 1.
Centrifugal clutch. E. C. Shank. 2,460,539, Feb. 1.
Ceramic articles and producing same, Unfired bonded. J. W. H. Miller. 2,460,761, Feb. 1.
Ceramic bodies, Making. E. L. Kreidl and J. L. Utter. 2,460,356, Feb. 1.
Chain: *See*—
Conveyer chain. Pintle chain.
Child's vehicle. W. N. Wheeler. 2,460,419, Feb. 1.
Chip breaker, Inside sidehead. M. T. McBryde. 2,460,465, Feb. 1.
Chlorinolysis. E. T. McBee and O. R. Pierce. 2,460,705, Feb. 1.
Chuck, Diaphragm. G. and E. F. Hohwart. 2,460,577, Feb. 1.
Chuck, Hand-piece. M. S. Lundsten. 2,460,302, Feb. 1.
Cigarette container. D. H. Bell. 2,460,730, Feb. 1.
Circuit: *See*—
Control circuit. Electronic circuit.
Circuit arrangement for compensating the aerial effect of directional antennae. T. W. LaRiviere. 2,460,367, Feb. 1.
Circuit controller. H. J. Lingal. 2,460,462, Feb. 1.
Circuit for pulse transmission systems, Receiver protective. B. H. Klyce, Jr. 2,460,755, Feb. 1.
Circuit for stabilizing frequencies of transmitter-receiver systems. H. R. Cantelo. 2,460,781, Feb. 1.
Circuit for suppressing noise components, Squelch. R. E. Schock. 2,460,786. Feb. 1.
Circuit interrupter. J. M. Cumming. 2,460,450, Feb. 1.
Circulating apparatus, Liquid. W. Kurz. 2,460,757, Feb. 1.

Clamp: *See*—
Rod or pipe clamp.
Clamp for slip joints, Channel type. R. I. Markey. 2,460,646, Feb. 1.
Clamping sleeve, Flexible. E. Laesser. 2,460,510, Feb. 1.
Clasp or the like, Jewelry. H. Pommier. 2,460,531, Feb. 1.
Cleaner: *See*—
Drill pipe cleaner.
Cleaner for pressure filters, Screen. U. E. Goodrich. 2,460,416, Feb. 1.
Cleaning apparatus, Dental floss tooth. T. E. Luzar. 2,460,591, Feb. 1.
Clip for paper. J. J. Nemeth. 2,460,650, Feb. 1.
Clock, Alarm. R. F. Heckmer, Sr. 2,460,634, Feb. 1.
Clock and like apparatus, Alarm. H. Blampain. 2,460,486, Feb. 1.
Closure, Vehicle. N. A. Schassberger. 2,460,399, Feb. 1.
Clothes drier. E. R. Koppel. 2,460,422, Feb. 1.
Clothesline pole. C. C. Long. 2,460,699, Feb. 1.
Clothesline tightener. H. M. Jensen and R. W. Bridges. 2,460,640, Feb. 1.
Clutch: *See*—
Centrifugal clutch.
Clutch device. M. B. Taylor. 2,460,313, Feb. 1.
Coated material and producing same, Flexible wrinkle. N. T. Beynon. 2,460,485, Feb. 1.
Coffee steeping bag. K. E. Carroll. 2,460,735, Feb. 1.
Cofferdam. C. Dobell. 2,460,624, Feb. 1.
Coil arrangement for electromagnetic devices. H. N. Wagar. 2,460,556, Feb. 1.
Coke-oven battery adapted to coke swelling coals, Combination vertical flued. F. Wethly. 2,460,324, Feb. 1.
Collating device, Alternate projection. C. Hinman. 2,460,350, Feb. 1.
Collector, Solar heat. C. G. Abbot. 2,460,482, Feb. 1.
Collet, Internal. M. M. Fuller. 2,460,414, Feb. 1.
Comb, W. L. Stewart. 2,460,548, Feb. 1.
Communication system, Railway train. W. L. Konrad, P. N. Bossart, and C. E. Leberknight. 2,460,334, Feb. 1.
Commutator machine control. F. W. Baumann. 2,460,729, Feb. 1.
Compass, Star matcher and sun. F. H. Hagner. 2,460,346, Feb. 1.
Compensator, Loop inductance. S. Cutler and N. Wiener. 2,460,492, Feb. 1.
Concrete block mold. L. F. Kreger. 2,460,697, Feb. 1.
Condenser: *See*—
Electrical condenser.
Reversible circulation condenser.
Cone tie, Spring equipped double. S. J. Kardos. 2,460,753, Feb. 1.
Connector: *See*—
Range connector.
Connector. K. McGee and H. D. Vanderpool. 2,460,304, Feb. 1.
Container: *See*—
Cigarette container. Face powder container.
Container and tissue packs therefor, Tissue dispensing. H. W. Patterson. 2,460,306, Feb. 1.
Container carrier. S. Petyak. 2,460,530, Feb. 1.
Container for liquefied gases. H. C. Kornemann. 2,460,355, Feb. 1.
Container having hinged cover, Molded plastic. J. Brunetti. 2,460,488, Feb. 1.
Control apparatus, Modulation. E. L. Ginston. 2,460,498, Feb. 1.
Control circuit. H. R. Shaw. 2,460,540, Feb. 1.
Control circuit for switching telegraph facilities. G. R. Pigman. 2,460,767, Feb. 1.
Control mechanism, Sequence. E. L. Hall. 2,460,693, Feb. 1.
Control system, Aircraft flight. B. Walls. 2,460,374, Feb. 1.
Conversions of hydrocarbons, Catalytic. J. W. Ward. 2,460,404, Feb. 1.
Conveyer chain. J. L. Clarkson. 2,460,447, Feb. 1.
Conveying means for shoe manufacture. B. T. Gialdini. 2,460,782, Feb. 1.
Cooler for air conditioning systems, Liquid. M. Di Zoppola. 2,460,623, Feb. 1.
Copying machine with optical system. E. A. Cooke. 2,460,491, Feb. 1.
Cord connecting means, Carrying. R. E. Prentice. 2,460,363, Feb. 1.
Core structures, Binding magnetic. M. B. Grout. 2,460,639, Feb. 1.
Coupling: *See*—
Flexible coupling. Tube coupling.
Coupling for hoses and the like. J. A. Jensen. 2,460,352, Feb. 1.
Cover: *See*—
Wheel cover.
Covering, Sanitary pillow. C. Hampton. 2,460,452, Feb. 1.
Cracking of a hydrocarbon oil, Noncatalytic. J. W. Loy. 2,460,463, Feb. 1.
Creatine and creatinine as catalysts for polymerization of butadiene. W. D. Stewart. 2,460,606, Feb. 1.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,460,520, Feb. 1.
Crystal apparatus, Piezoelectric. W. P. Mason. 2,460,703–4, Feb. 1.
Curler, Eyelash. W. R. Tuttle and W. J. Beldue. 2,460,317, Feb. 1.
Cushion construction, Spring. J. Lupanoff. 2,460,424, Feb. 1.
Cushion, Safety razor. W. P. MacMicking. 2,460,645, Feb. 1.
Cushion support. P. C. Roche. 2,460,596, Feb. 1.
Cutting means for metal stretching dies. H. A. Berliner. 2,460,483, Feb. 1.
Deflecting system, Cathode-ray tube. O. H. Schade. 2,460,601, Feb. 1.
Dehydrogenation catalysts, Preparation of. J. G. M. Bremmer, P. W. Reynolds, and A. W. C. Taylor. 2,460,333, Feb. 1.
Demagnetizing tubing, Method and apparatus for. C. Farrow. 2,460,684, Feb. 1.
Detachable bit. I. J. Berscheid. 2,460,673, Feb. 1.
Device for recording grocery wantlists. E. Stiles. 2,460,549, Feb. 1.
Device for simulating automatic radio compass indications in ground trainers. C. W. Muller. 2,460,305, Feb. 1.
Device for supporting infants while bathing. V. Pribil. 2,460,308, Feb. 1.
Diamine compound. H. A. Bruson and W. D. Niederhauser. 2,460,733, Feb. 1.
Dip co-ordinator. W. T. Knauth and R. B. Briggs. 2,460,642, Feb. 1.
Discharge device, Electron. M. Bowman-Manifold. 2,460,332, Feb. 1.
Discharge device, Electron. G. C. Sziklai. 2,460,402, Feb. 1.
Disk segment, Filter. J. H. V. Finney. 2,460,280, Feb. 1.
Dispenser: *See*—
Frozen food dispenser. Liquid dispenser.
Dispensing system, Predetermining. C. P. Bergman and M. Cornell. 2,460,275, Feb. 1.
Dolly, Trailer. J. E. Nogle. 2,460,466, Feb. 1.
Door check and closer. R. G. Stronach. 2,460,369, Feb. 1.
Draft regulator. F. H. Schneider. 2,460,538, Feb. 1.
Drawing crucible. C. R. Stevens. 2,460,547, Feb. 1.
Drier: *See*—
Clothes drier.
Drill pipe cleaner. L. F. Abel. 2,460,481, Feb. 1.
Drive, Airplane. V. A. Larsen. 2,460,587, Feb. 1.
Drying polymeric materials. A. B. Japs. 2,460,582, Feb. 1.
Dump body, Automatic. M. E. Teague. 2,460,403, Feb. 1.
Dyes, Triazine azo. E. Bernasconi. 2,460,618, Feb. 1.
Dynamoelectric machine. R. F. Hertel. 2,460,749–50, Feb. 1.
Dynamoelectric machine. W. E. Jacobsen. 2,460,752, Feb. 1.
Earth-moving machine. E. Oklejas. 2,460,764, Feb. 1.
Echo ranging and listening gear. H. M. Trent and T. F. Jones. 2,460,316, Feb. 1.
Electric motor. E. Hart. 2,460,418, Feb. 1.
Electric resistance element and heat-treatment. J. M. Lohr. 2,460,590, Feb. 1.
Electrical condenser. C. L. Richards. 2,460,534, Feb. 1.
Electrode construction. V. J. Francis. 2,460,738–9, Feb. 1.
Electrode unit assembly. F. H. Best and J. R. Pierce. 2,460,484, Feb. 1.
Electronic circuit. S. C. Hurley, Jr. 2,460,455–6, Feb. 1.
Electrotherapeutic apparatus. T. H. Moray. 2,460,707, Feb. 1.
Elevator, Portable grain. H. A. Tintes. 2,460,661, Feb. 1.
Engine mounting. W. A. Keetch. 2,460,586, Feb. 1.
Explosives and their manufacture, Granular or powder. J. Whetstone. 2,460,375, Feb. 1.
Fabric article, Shaped. L. Bihaly. 2,460,674, Feb. 1.
Fabric composed of rigid interconnected links, Flexible. H. Reinstein. 2,460,654, Feb. 1.
Face powder container. L. Bering. 2,460,444, Feb. 1.
Fastener. D. H. Waara. 2,460,722, Feb. 1.
Feed mechanism for stone cutting machines. K. J. Hillquist. 2,460,386, Feb. 1.
Feeding mechanism. H. E. Dickerman. 2,460,340, Feb. 1.
Feeding mechanism, Grinding wheel. C. G. Flygare and H. L. Swalney. 2,460,737, Feb. 1.
Fender protector. E. B. Peatross. 2,460,394, Feb. 1.
Fender skirt. R. C. Hessler. 2,460,349, Feb. 1.
Fibers and apparatus therefor, Treatment of synthetic. G. H. Brown and C. N. Hoyler. 2,460,566, Feb. 1.
Filaments of plasticized lower fatty acid esters of cellulose. A. F. Caprio and W. Horback. 2,460,377, Feb. 1.
File. E. B. Le Fevre. 2,460,513, Feb. 1.
Filter: *See*—
Adjustable multicolored light filter.
Filter. A. C. Kracklauer. 2,460,423, Feb. 1.
Fitting. C. H. Crawley. 2,460,622, Feb. 1.
Fitting R. E. Herold. 2,460,635, Feb. 1.
Fitting. P. D. Wursburger. 2,460,666–8, Feb. 1.
Fitting, Solder. P. D. Wursburger. 2,460,665, Feb. 1.
5-alkoxy-alkyl,5-cyclohexyl hydantoins. H. R. Henze. 2,460,747, Feb. 1.
Fixing and sealing tubes in a partition wall by use of fluid pressure, Method and device for. W. Huber. 2,460,580, Feb. 1.
Fixture, Curtain. I. Lundstrom. 2,460,517, Feb. 1.
Fixture, Window shade and curtain. K. H. J. Paradis. 2,460,360, Feb. 1.

Flexible coupling. T. L. Fawick. 2,460,628, Feb. 1.
Flow control device. W. G. Miller. 2,460,647, Feb. 1.
Folding article. R. M. Kraska. 2,460,459, Feb. 1.
Forming and dispensing machine, Ice cube. V. T. Erickson and E. F. Davis. 2,460,341, Feb. 1.
Frame: *See*—
Railway car truck side frame.
Frozen food dispenser. M. Rifkin. 2,460,396, Feb. 1.
Fuel and ignition control. F. J. Hahn. 2,460,383, Feb. 1.
Fungicidal preparations. K. G. Nolan, R. L. Morgan, and J. H. Fletcher. 2,460,710, Feb. 1.
Furnace: *See*—
Glass melting furnace. Kettle furnace.
Furnace slag and other smelts, Breaking up foamed blast. M. Gallai-Hatchard. 2,460,742, Feb. 1.
Furnaces from slag, Protection of. W. E. Heller. 2,460,347, Feb. 1.
Game, Artillery war. C. H. Shirey. 2,460,770, Feb. 1.
Game, Football card. T. B. Siler. 2,460,541, Feb. 1.
Garment finishing device. R. W. Brenner and J. R. Petre. 2,460,732, Feb. 1.
Garment hanger. M. Treiman. 2,460,438, Feb. 1.
Gasifying fuel burner. J. E. Farrell. 2,460,451, Feb. 1.
Gasoline manufacture. S. H. McAllister, J. Anderson, and W. H. Peterson. 2,460,303, Feb. 1.
Gate positioning mechanism for hulling machines. E. A. Schwarz. 2,460,769, Feb. 1.
Gear: *See*—
Echo ranging and listening gear.
Multicushioned gear.
Landing gear.
Gear for airplanes, Landing. C. R. Jamison. 2,460,506, Feb. 1.
Gear of prime movers, Speed control. G. Hallewell. 2,460,501, Feb. 1.
Gearing, Cushioned planetary. T. L. Fawick. 2,460,629, Feb. 1.
Generation of monomeric formaldehyde gas from formaldehyde polymers. A. R. Miller, Jr. 2,460,592, Feb. 1.
Generator: *See*—
Alternating current generator.
Oscillation generator.
Generator. C. W. Jarvis. 2,460,790, Feb. 1.
Geophysical prospecting. L. F. Kitto. 2,460,297, Feb. 1.
Glass melting furnace. L. S. Longenecker. 2,460,514, Feb. 1.
Glass setting device. J. T. Miller. 2,460,391, Feb. 1.
Globin and its preparation, Modified. M. M. Strumia and F. W. Chornock. 2,460,550, Feb. 1.
Golf club. F. B. Schaffer. 2,460,435, Feb. 1.
Grater with removable toolplate, Reciprocating. T. H. Walker. 2,460,663, Feb. 1.
Grid construction, Vacuum tube. H. Selvidge. 2,460,794, Feb. 1.
Grinding apparatus, Crankpin. A. G. Belden and C. G. Flygare. 2,460,781, Feb. 1.
Grinding machine. P. Catucci. 2,460,570, Feb. 1.
Grinding machine, Camshaft. C. J. Green. 2,460,744, Feb. 1.
Guard, Mixing bowl. L. S. Roesler. 2,460,364, Feb. 1.
Guide, Drawer. R. H. McMurtrie. 2,460,521, Feb. 1.
Guide, Shock-resistant filament. A. K. Seemann. 2,460,366, Feb. 1.
Guiding attachment, Adjustable fabric. G. Kahn and L. Schwartz. 2,460,583, Feb. 1.
Guiding device and method, Fabric. G. Kahn and L. Schwartz. 2,460,584, Feb. 1.
Gum, Candy chewing. E. G. Lindhe. 2,460,698, Feb. 1.
Gun-loading mechanisms. O. R. Haas. 2,460,384, Feb. 1.
Gun mount. D. Edgar. 2,460,380, Feb. 1.
Gun, Spray. W. M. Spreng. 2,460,545, Feb. 1.
Hammer for impact crushers with detachable and reversible hammer head. L. G. Ehmann. 2,460,279, Feb. 1.
Handle: *See*—
Lever handle.
Hanger: *See*—
Garment hanger. Safety hanger.
Headband and holder for telephone receivers. R. M. Kobrin. 2,460,458, Feb. 1.
Heat exchanger. E. H. Kidd. 2,460,754, Feb. 1.
Heat exchanger. T. Tinker. 2,460,660, Feb. 1.
Heater: *See*—
Baseboard room heater. Induction heater.
Heatsealing and apparatus therefor. N. Langer. 2,460,460, Feb. 1.
Heating unit, Hot-water. G. M. Godshall. 2,460,691, Feb. 1.
High-frequency potential dividing termination. H. J. Tyssee. 2,460,476, Feb. 1.
Holder: *See*—
Needle and thimble holder. Watch movement holder.
Holder for manifolding typewriters, Carbon paper. J. C. Doyle. 2,460,683, Feb. 1.
Holder for weft replenishing looms, Pneumatic thread. R. G. Turner. 2,460,611, Feb. 1.
Holding tool. S. P. Rogers. 2,460,470, Feb. 1.
Hood, Electric. E. B. Ripley. 2,460,433, Feb. 1.
Hose end. F. J. Raybould. 2,460,653, Feb. 1.
Housing for oil burners. E. C. Stauffer. 2,460,370, Feb. 1.
Hydraulic system. C. R. Alden. 2,460,440, Feb. 1.
Hydrocarbon synthesis. E. A. Johnson and S. B. Becker. 2,460,508, Feb. 1.
Improving the surface of form ground races. H. N. Seyferth. 2,460,472, Feb. 1.
Inclinometer. R. G. Bourgaize. 2,460,675, Feb. 1.
Index, Visible card. R. J. Copeland. 2,460,449, Feb. 1.
Indexing head. C. B. Wallman. 2,460,477, Feb. 1.
Indicator: *See*—
Photographic enlarger exposure indicator.
Indicator for radio relaying systems, Fault. L. E. Thompson. 2,460,789, Feb. 1.
Induction heater. N. E. Fuchs. 2,460,687, Feb. 1.
Instrument, Electrical. G. H. Fritzinger. 2,460,686, Feb. 1.
Instrument for post-mortem finger-printing. H. P. Peterson. 2,460,652, Feb. 1.
Instrument, Geometrical measuring and drafting. E. Richardson. 2,460,713, Feb. 1.
Intermittent photographic print washer. C. E. Mace. 2,460,425, Feb. 1.
Internal-combustion engine, Operating an. W. E. Lyons. 2,460,700, Feb. 1.
Interpolymers of vinylidene halides, dialkyl esters of maleic acid, and vinyl esters and making same. V. L. Folt. 2,460,573, Feb. 1.
Ironer, Flatwork. H. D. Forse. 2,460,496, Feb. 1.
Joint: *See*—
Bridge plate type rail joint.
Joint construction. T. Guthrie and G. R. Evans. 2,460,746, Feb. 1.
Joint for mill drives, Universal. R. R. Millar. 2,460,648, Feb. 1.
Kettle furnace. O. R. Olson. 2,460,392, Feb. 1.
Landing gear. W. H. Hunter. 2,460,387, Feb. 1.
Laundry souring composition. A. L. Courtney and C. E. Smith. 2,460,680, Feb. 1.
Lever handle. J. R. Hall. 2,460,500, Feb. 1.
Light and searchlight combination, Warning. J. D. Kennelly. 2,460,585, Feb. 1.
Light socket for refrigerator panels, Self-sealing electric. C. M. Holloway. 2,460,636, Feb. 1.
Line for butane tanks, Thief. L. L. Hughes. 2,460,454, Feb. 1.
Liner and tap ring for steel barrels. E. R. Koppel. 2,460,756, Feb. 1.
Lint removal means for bobbin winding machines. R. P. Drake. 2,460,736, Feb. 1.
Liquid dispenser. A. Machtinger. 2,460,518, Feb. 1.
Loader, Hay. C. J. Smith. 2,460,544, Feb. 1.
Loading machine, Agricultural. E. H. Appel. 2,460,441, Feb. 1.
Lock: *See*—
Removable core lock.
Unitary tumbler cylinder lock.
Lock and hydraulic release, Wheel. J. Kraus. 2,460,298, Feb. 1.
Lock mechanism. E. M. Navarro. 2,460,709, Feb. 1.
Lockout and alarm device for circuit breakers. H. H. Lawson. 2,460,758, Feb. 1.
Lubricant, Spark plug thread. B. Folda, Jr. 2,460,632, Feb. 1.
Lubricating system for motors. F. P. Gooch. 2,460,283, Feb. 1.
Machine for breaking fibrous materials. J. V. Cook. 2,460,448, Feb. 1.
Machine for plastics and other moldable materials, Molding. W. S. Renier. 2,460,468, Feb. 1.
Magazine pistol safety and cocking mechanism. F. D. Rosvall. 2,460,598, Feb. 1.
Mandrel, Expansible. M. L. Whitson and H. H. Harcum. 2,460,325, Feb. 1.
Manicure set. A. J. Miller. 2,460,522, Feb. 1.
Measuring and reeling device, Line. M. Weesner. 2,460,723, Feb. 1.
Measuring device, Surface roughness. J. P. Arndt, Jr. 2,460,726, Feb. 1.
Measuring persistence screen characteristics, Method and apparatus for. O. H. Schade. 2,460,471, Feb. 1.
Mechanical mounting. F. C. Doughman. 2,460,682, Feb. 1.
Mechanism for forming vented can end seams. W. F. Kinney. 2,460,296, Feb. 1.
Mercapto-aliphatic ethers as modifiers for butadiene emulsion polymerization, Aromatic. G. L. Browning, Jr. 2,460,567, Feb. 1.
Metal articles, Making. W. L. Garberding. 2,460,281, Feb. 1.
Methacrylonitrile and alpha-chloro isobutyronitrile, Production of. L. U. Spence and E. H. Sakal. 2,460,788, Feb. 1.
Mine exploder. B. Walker. 2,460,322, Feb. 1.
Mirror for automobiles, Rear-vision. A. S. Alexander. 2,460,406, Feb. 1.
Mitt, Welder's double. S. J. Errett. 2,460,413, Feb. 1.
Mixing box. G. A. Engert. 2,460,626, Feb. 1.
Modulator. P. Glass. 2,460,690, Feb. 1.
Mold: *See*—
Concrete block mold.
Mold for casting wall slabs. L. R. Porter, Jr. 2,460,532, Feb. 1.

Mop structure. F. E. Oakhill. 2,460,763, Feb. 1.
Motion-picture combination. C. Waldeyer. 2,460,320, Feb. 1.
Motor: *See*—
Electric motor. Self-starting synchronous
Outboard motor. hysteresis motor.
Motor control apparatus with automatic "Z" effect, Electric. R. Bernas. 2,460,276, Feb. 1.
Motor cooling means. A. N. Szwargulski. 2,460,371, Feb. 1.
Motor line connecting device, Selective. J. M. Gaylord and R. E. Ball. 2,460,415, Feb. 1.
Mount for electron discharge devices. O. H. Fulton, Jr. 2,460,382, Feb. 1.
Mount for electron tubes. O. H. Schade. 2,460,398, Feb. 1.
Mounting: *See*—
Engine mounting. Vibration insulating mount-
Mechanical mounting. ing.
Railway brake beam mount-
ing.
Mounting flange, Generator. R. M. Heintz. 2,460,502, Feb. 1.
Mounting for grading machines, Blade. A. R. Henry. 2,460,348, Feb. 1.
Mousetrap. R. F. Goostrey. 2,460,417, Feb. 1.
Movement for slush pumps, Mechanical. C. M. O'Leary. 2,460,428, Feb. 1.
Multicushioned gear. T. L. Fawick. 2,460,630, Feb. 1.
Multiplier unit and supporting means. S. V. Forgue. 2,460,381, Feb. 1.
N-alkylated compounds of condensed arylpyrrols, Preparing. H. W. Grimmel and H. B. Freyermuth. 2,460,745, Feb. 1.
Needle and thimble holder. R. L. Chiarizia. 2,460,678, Feb. 1.
Nursing unit. A. M. Allen and M. L. Van Evera. 2,460,329, Feb. 1.
Oils, Lubricating. B. H. Lincoln and G. D. Byrkit. 2,460,301, Feb. 1.
Oleonitrile, Preparation of. L. A. Stegemeyer. 2,460,772, Feb. 1.
Opener, Bobby pin. T. H. Worrell. 2,460,562, Feb. 1.
Opener, Can. C. N. Smith, Jr. 2,460,717, Feb. 1.
Organic medium for the production of aerosols. A. C. Pabst, A. E. Griffiths, and R. B. Killingsworth. 2,460,792, Feb. 1.
Oscillation generator. H. M. Huge. 2,460,637, Feb. 1.
Outboard motor. L. T. Kincannon. 2,460,419, Feb. 1.
Pattern mechanism, Knitting machine. P. W. Bristow. 2,460,487, Feb. 1.
Pawl, Floating. E. F. Carlstrom. 2,460,620, Feb. 1.
Peening the inside of tubes and other hollow bodies, Method and apparatus for. T. Robinson. 2,460,657, Feb. 1.
Pen, Ball point. F. E. Gruber. 2,460,345, Feb. 1.
Pencil, Mechanical. C. E. Wehn. 2,460,323, Feb. 1.
Periscope, Spring actuated telescoping. C. E. O. Larkin. 2,460,461, Feb. 1.
Photographic enlarger exposure indicator. J. M. Benton. 2,460,443, Feb. 1.
Phthalic anhydride, Chlorination of. T. M. Amacker. 2,460,564, Feb. 1.
Phthalic anhydride, Vapor phase chlorination of. T. M. Amacker. 2,460,565, Feb. 1.
Phthalocyanine pigments from ω-chlorine or ω-bromine substituted o-xylenes, Preparation of. H. Z. Lecher, R. E. Brouillard, and E. Baumgarten. 2,460,783, Feb. 1.
Pick and pick loom, Automatic. C. P. Bergstrom and A. J. Herard, Jr. 2,460,319, Feb. 1.
Pick and pick loom, Weft replenishing. W. H. Wakefield. 2,460,318, Feb. 1.
Pintle chain. L. H. Morin. 2,460,524, Feb. 1.
Pipe flange, Two-piece welding. N. J. Riley. 2,460,311, Feb. 1.
Piston ring. H. P. Phillips. 2,460,431, Feb. 1.
Planetary piston fuel pump. R. O. Balogh. 2,460,617, Feb. 1.
Plant, Gas turbine. W. Traupel. 2,460,610, Feb. 1.
Plaster of Paris, Manufacture of. C. L. Haddon. 2,460,266–7, Feb. 1.
Plastic composition and product, Apparatus and method for making a. R. W. Chaffee. 2,460,571, Feb. 1.
Plate for lock cylinders, Plug retaining. H. E. Soref and D. J. Foote. 2,460,474, Feb. 1.
Plate for measuring birefringence and making same, Calibrated retardation. D. D. Lowber, J. D. Reardon, and P. W. Collyer. 2,460,515, Feb. 1.
Polymeric products derived from diolefins and vinyl aromatic compounds and making same. W. J. Le Fevre and K. G. Harding. 2,460,300, Feb. 1.
Position indication and control system. L. M. Rodgers. 2,460,597, Feb. 1.
Positioning means. J. M. Benedick. 2,460,671, Feb. 1.
Post and tool for lathes, Tool. A. F. Feaster. 2,460,342, Feb. 1.
Post for wire baskets and the like, Built-up. W. Obernauer and M. Schuster. 2,460,594, Feb. 1.
Pot for holding molten solder, Dip. J. L. Ford. 2,460,685, Feb. 1.
Press with hydraulically controlled blankholder. D. C. Verson. 2,460,612, Feb. 1.
Pressure control means, Hydraulic. D. J. Whittingham. 2,460,664, Feb. 1.
Printing apparatus. W. C. Huebner. 2,460,504, Feb. 1.
Projectile, Rocket. C. N. Hickman. 2,460,289, Feb. 1.
Projector and magazine therefor, Slide. H. E. Page. 2,460,359, Feb. 1.
Projector, Nonintermittent motion-picture. W. C. Plank. 2,460,432, Feb. 1.
Propanoic acid, Preparing substituted. E. Pierson and M. Tishler. 2,460,785, Feb. 1.
Propulsion means, Ship. D. Diamantides. 2,460,339, Feb. 1.
Protector: *See*—
Fender protector.
Protector for rolled strip material, End. P. G. Salem. 2,460,434, Feb. 1.
Protein filaments, Manufacture of artificial. R. H. K. Thomson. 2,460,372, Feb. 1.
Pulsator for milking machines. R. E. Maes. 2,460,426, Feb. 1.
Pump: *See*—
Planetary piston fuel pump. Screw pump.
Pump by-pass valve assembly. J. M. Roth. 2,460,397, Feb. 1.
Pump for aerating bait containers, Wind. C. A. Oliveros. 2,460,527, Feb. 1.
Pump for outboard motors, Flexible vane. L. T. Kincannon. 2,460,421, Feb. 1.
Pump for thick fibrous suspensions, Rotary. E. P. Cook. 2,460,278, Feb. 1.
Pump with flow cushioning means, Gear. G. W. Muller. 2,460,649, Feb. 1.
Purifying device, Air. W. J. Buss. 2,460,335, Feb. 1.
Push-button means. P. W. Sullivan. 2,460,607, Feb. 1.
Puzzle, Relatively movable membered. A. Zelvin. 2,460,563, Feb. 1.
Rack: *See*—
Towel rack.
Radio antenna, Directive microwave. G. C. Southworth. 2,460,401, Feb. 1.
Railway brake beam mounting. E. G. Busse. 2,460,780, Feb. 1.
Railway car truck side frame. G. T. Johnson. 2,460,696, Feb. 1.
Range connector. A. Friedman. 2,460,741, Feb. 1.
Reaction products of thiuram disulfides alkylene imines. J. E. Jansen. 2,460,581, Feb. 1.
Reaction products, Resinous. H. L. Allen and E. G. Kerr. 2,460,724, Feb. 1.
Reciprocating and locking means for dies or the like. C. Roehri. 2,460,658, Feb. 1.
Recorder, Sound. S. Calvert. 2,460,411, Feb. 1.
Recorder with differentiated records, Tape time. H. E. Hobby. 2,460,576, Feb. 1.
Recording apparatus, Time. A. J. Schmidt. 2,460,659, Feb. 1.
Rectification. E. K. Metzner. 2,460,706, Feb. 1.
Reforming machine. S. S. Jacobs and H. B. Peterson. 2,460,293, Feb. 1.
Refractory composition and producing same. T. Kauffman, Jr., and L. J. Jacobs. 2,460,268, Feb. 1.
Refrigerating means for containers. H. E. Palaith. 2,460,765, Feb. 1.
Refrigerator having a door heating device. M. Rifkin and M. S. Sutton. 2,460,469, Feb. 1.
Registration system. P. Mallery. 2,460,702, Feb. 1.
Regulating device for compressors, Torque. A. V. D. Willgoos. 2,460,778, Feb. 1.
Regulating system, Automatic. N. P. W. Frisk and A. G. W. Hernqvist. 2,460,497, Feb. 1.
Regulator: *See*—
Draft regulator.
Releasable lever operated switch. C. E. Elrick. 2,460,495, Feb. 1.
Relief device for starting engines, Compression. C. C. Castillo. 2,460,338, Feb. 1.
Remote-control system. I. F. Cadman. 2,460,386, Feb. 1.
Remote-control system. R. S. Young. 2,460,337, Feb. 1.
Removable core lock. J. P. Andrew. 2,460,615, Feb. 1.
Removing excess liquid from filamentary material. H. J. McDermott. 2,460,390, Feb. 1.
Resin, Ion-exchange. E. L. Luaces. 2,460,516, Feb. 1.
Resin oils with mixed clay and organic acid catalyst, Polymerization of. D. F. Gould. 2,460,692, Feb. 1.
Resonator apparatus. W. W. Hansen and R. H. Varian. 2,460,288, Feb. 1.
Resonator, Radiating electromagnet. W. W. Hansen and R. H. Varian. 2,460,286–7, Feb. 1.
Retracting device for kneeling benches. B. S. Bernhard. 2,460,791, Feb. 1.
Reversible circulation condenser. J. F. Grace. 2,460,499, Feb. 1.
Rheostat, Foot pedal control. B. Eisenberg and O. B. Schwarz. 2,460,494, Feb. 1.
Ring: *See*—
Piston ring.
Ring or expander for pistons, Inner. H. P. Phillips. 2,460,430, Feb. 1.
Rod or pipe clamp. C. L. Malaspina. 2,460,701, Feb. 1.
Roller, Shade. E. F. Pigeon. 2,460,307, Feb. 1.
Rubber, Vulcanization of. P. T. Paul. 2,460,393, Feb. 1.
Rubbery polymeric organo-siloxane compositions, Making. E. L. Warrick. 2,460,795, Feb. 1.

Rule, Slide. O. A. Wiberg. 2,460,558, Feb. 1.
Safety hanger. G. W. Harris. 2,460,453, Feb. 1.
Saw-filing machine. E. R. Beverleigh. 2,460,331, Feb. 1.
Saw set. A. M. Lesanski. 2,460,388, Feb. 1.
Scoop for separable fasteners, Universally united. L. H. Morin. 2,460,525, Feb. 1.
Scooter, Child's. G. A. Reid. 2,460,395, Feb. 1.
Screw assembly, Captive. B. J. Whelan and R. A. Reich. 2,460,613, Feb. 1.
Screw pump. G. Rathman. 2,460,310, Feb. 1.
Seal, Electron discharge device. P. R. Hanson and H. W. Ulmer. 2,460,575, Feb. 1.
Sealing machine, Bundle. W. L. Irvine. 2,460,751, Feb. 1.
Sealing means. J. R. Frei. 2,460,740, Feb. 1.
Seat: *See*—
Ultraviolet ray toilet seat.
Seat and car, Convertible child's. F. White. 2,460,557, Feb. 1.
Self-starting synchronous hysteresis motor. C. A. Packard. 2,460,358, Feb. 1.
Servo follow-up control. C. M. Gilbert. 2,460,638, Feb. 1.
Shaft-fastening assembly. T. L. Fawick. 2,460,631, Feb. 1.
Sharpener, Knife. S. Tarapcsvnski. 2,460,552, Feb. 1.
Sheet metal, Working of high tensile. L. L. Marchant. 2,460,519, Feb. 1.
Shingle. J. L. Killingsworth. 2,460,353, Feb. 1.
Shoe tree construction, Sanitated. S. M. and A. Abrams. 2,460,405, Feb. 1.
Shoe with innersole providing arch supporting flap. F. J. Diamant. 2,460,493, Feb. 1.
Shoe with integral insole and backstay. F. L. Ayers. 2,460,669, Feb. 1.
Shunt for laminated core structures, Adjustable magnetic. W. Sliwiak. 2,460,656, Feb. 1.
Signaling apparatus, Submarine. H. Benioff. 2,460,274, Feb. 1.
Signaling means for aviation trainers, Automatic radio. G. L. Lang. 2,460,511, Feb. 1.
Siloxane polymers, Organo-substituted. J. F. Hyde. 2,460,457, Feb. 1.
Slipper bearing. J. A. Petbo. 2,460,361, Feb. 1.
Snowplow, Hand. H. Williams. 2,460,560, Feb. 1.
Solutions of vinylidene chloride polymers in a solvent containing a sulfoxy group. R. C. Houts. 2,460,579, Feb. 1.
Solutions of vinylidene chloride polymers in amide solvents. R. C. Houts. 2,460,578, Feb. 1.
Solvent extraction as step in milling process. W. R. Lloyd and G. H. Schafer. 2,460,389, Feb. 1.
Soybean protein, Isolation of. E. O. Erkko and R. T. Treifa. 2,460,627, Feb. 1.
Spiral cam adjustable socket wrench. F. C. Peterson. 2,460,766, Feb. 1.
Splicer, Film. J. Briskin, 2,460,619, Feb. 1.
Sprayer. W. M. Vogel. 2,460,554, Feb. 1.
Springing arrangement for tractor-trailers. G. E. Armington. 2,460,725, Feb. 1.
Stage or exhibiting device, Miniature rotatable. G. E. Young. 2,460,328, Feb. 1.
Starter mechanism for motors. L. T. Kincannon. 2,460,420, Feb. 1.
Stopper or the like, Basin plug. G. A. Riley. 2,460,768, Feb. 1.
Storage box. R. F. Davis. 2,460,681, Feb. 1.
Strainer. M. J. Zimmer. 2,460,614, Feb. 1.
Structural unit, Panel. G. M. Rapp. 2,460,309, Feb. 1.
Sulfa drug compositions. M. R. Thompson. 2,460,437, Feb. 1.
Sulfur, Production of insoluble. A. Schallis. 2,460,365, Feb. 1.
Support: *See*—
Arm support. Cushion support.
Support. A. E. Nelson. 2,460,593, Feb. 1.
Switch: *See*—
Releasable lever operated switch. Thermostatic switch.
Switch actuator, Electric. R. N. Rowe. 2,460,599, Feb. 1.
Switch actuator, Sensitive. M. M. Hennessy. 2,460,695, Feb. 1.
Synthesis of phthalocyanines from ω-chlorine or ω-bromine substituted o-tolunitriles. R. E. Brouillard and E. Baumgarten. 2,460,779, Feb. 1.
System of controlling electric lines. R. D. Nelson and E. A. Link. 2,460,467, Feb. 1.
Tappet, Self-adjusting. J. N. Paquin. 2,460,651, Feb. 1.
Target exchanger. L. S. Jessen. 2,460,294, Feb. 1.
Temperature control apparatus, Automatic. D. S. Hersey and A. A. Brown. 2,460,748, Feb. 1.
Temperature sensitive variable inductance. A. G. Stimson. 2,460,773, Feb. 1.
Tensioning and pressure mechanism, Web. H. L. Haswell. 2,460,694, Feb. 1.
Terpene alcohols, Preparation of. M. Hunt. 2,460,291, Feb. 1.
Tester, Magneto. S. Casper. 2,460,676, Feb. 1.
Testing machine, Cartridge extractor. N. P. Holcomb. 2,460,290, Feb. 1.
Testing machine, Materials. A. Sonntag. 2,460,771, Feb. 1.
Theft prevention means, Electric current. D. Trompeter. 2,460,553, Feb. 1.
Thermostatic switch. S. S. Minnich. 2,460,762, Feb. 1.
Threaded opening. R. J. Thompson. 2,460,720, Feb. 1.
Threader, Thimble-needle. F. Benedik. 2,460,672, Feb. 1.
Thumb or finger gripping means, Bowling ball. H. H. Hausman. 2,460,385, Feb. 1.
Tie clasp and chambered holder, Combination. J. Aversa. 2,460,728, Feb. 1.
Timing device, Electronic. P. J. Cade. 2,460,277, Feb. 1.
Tobacco composition and making it. W. J. Hale. 2,460,284, Feb. 1.
Tobacco products and making them. W. J. Hale. 2,460,285, Feb. 1.
Tool: *See*—
Carbine tool. Holding tool.
Tool assembly. F. Von Voigtlander. 2,460,555, Feb. 1.
Towel rack. W. J. Jahoda. 2,460,505, Feb. 1.
Trailer. W. F. Aycock. 2,460,442, Feb. 1.
Trainer, Aircraft personnel. C. E. Germanton. 2,460,743, Feb. 1.
Transmitter. C. M. Woodruff. 2,460,326, Feb. 1.
Tray and door fastener, Combined hinged. A. H. Potts. 2,460,533, Feb. 1.
Treating materials, Method and apparatus for. N. N. Stephanoff. 2,460,546, Feb. 1.
Trichloromethyl diaryl methanes, Manufacture of. J. W. Robinson. 2,460,535, Feb. 1.
Tube: *See*—
Cathode-ray tube.
Tube and glass clamp, Drinking. C. C. Smith. 2,460,542, Feb. 1.
Tube coupling. L. B. Courtot. 2,460,621, Feb. 1.
Tube working apparatus. M. F. Cook. 2,460,490, Feb. 1.
Turbocompressor and gas turbine, Combined gas. R. O. J. Moller. 2,460,523, Feb. 1.
2-benziminazoyl-amino pyrimidines. F. R. Basford, F. H. S. Curd, and F. L. Rose. 2,460,409, Feb. 1.
Tying device, Knot. D. Burkard. 2,460,489, Feb. 1.
Ultraviolet ray toilet seat. E. Spierer. 2,460,543, Feb. 1.
Unipod for optical instruments. O. Buehner. 2,460,568, Feb. 1.
Unitary tumbler cylinder lock. G. E. Swanson. 2,460,551, Feb. 1.
Valve. D. S. Ashley and W. H. Weaver. 2,460,270, Feb. 1.
Valve. W. C. Trautman. 2,460,774, Feb. 1.
Valve means. G. E. Franck. 2,460,633, Feb. 1.
Valves, Method and apparatus for lapping. G. F. Scherer. 2,460,312, Feb. 1.
Vehicle: *See*—
Articulated vehicle. Child's vehicle.
Vent construction for airplane fuel tanks. F. E. Snow. 2,460,368, Feb. 1.
Ventilator. B. B. Simcox. 2,460,604, Feb. 1.
Ventilator, Adjustable. E. Mazza. 2,460,760, Feb. 1.
Vessel, Heated drinking. D. E. Keller. 2,460,509, Feb. 1.
Vibration insulating mounting. N. Ivanovic. 2,460,292, Feb. 1.
Vinyl chloride polymers plasticized with dialkyl chlorophthalates. T. L. Gresham. 2,460,574, Feb. 1.
Vinyl cyanide and reactive methylene compounds, Reaction between. A. O. Rogers. 2,460,536, Feb. 1.
Warp tensioning means, Variable. A. Lans. 2,460,512, Feb. 1.
Washer: *See*—
Intermittent photographic print washer.
Washer for garden hose couplings. O. E. Andrus. 2,460,407, Feb. 1.
Watch movement holder. M. F. Clay. 2,460,679, Feb. 1.
Wedge, Adjustable lock. J. Lazar. 2,460,643, Feb. 1.
Weight for golf club heads, Adjustable. C. W. Bigler. 2,460,445, Feb. 1.
Weight, Releasable casting. H. L. Oliver and M. B. Anderson. 2,460,526, Feb. 1.
Weldrod, Coated. E. C. Rollason. 2,460,537, Feb. 1.
Welder, Electric resistance. G. B. Martin and B. D. Berger. 2,460,759, Feb. 1.
Wheel: *See*—
Buffing wheel.
Wheel cover. G. A. Lyon. 2,460,784, Feb. 1.
Wiper mechanism with shielding means, Solder. C. S. Woolford. 2,460,327, Feb. 1.
Wrapper, Splice. M. W. Warner. 2,460,478, Feb. 1.
Wrench: *See*—
Spiral cam adjustable socket wrench.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 1, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 14: 2,460,373
42: 2,460,674
2,460,715
96: 2,460,775
158: 2,460,413
3— 5: 2,460,446
4— 160: 2,460,269
185: 2,460,308
233: 2,460,543
295: 2,460,768
5— 274: 2,460,494
319: 2,460,452
8— 120: 2,460,777
12— 1: 2,460,782
128: 2,460,405
16— 56: 2,460,369
18— 19: 2,460,566
30: 2,460,468
48: 2,460,282
54: 2,460,372
2,460,400
59: 2,460,334
19— 30: 2,460,448
20— 1.11: 2,460,464
53: 2,460,577
56.4: 2,460,391
21— 74: 2,460,335
78: 2,460,554
23— 105: 2,460,344
224: 2,460,365
24— 11: 2,460,728
67: 2,460,650
71.1: 2,460,640
73: 2,460,722
205.13: 2,460,525
208: 2,460,531
254: 2,460,701
25— 119: 2,460,697
121: 2,460,532
156: 2,460,761
28— 35: 2,460,569
29— 78: 2,460,513
90: 2,460,657
148.2: 2,460,721
240: 2,460,272
283: 2,460,379
30— 9: 2,460,717
34: 2,460,645
131: 2,460,616
189: 2,460,522
31— 63: 2,460,426
33— 21: 2,460,412
61: 2,460,346
76: 2,460,642
98: 2,460,713
34— 133: 2,460,422
35— 10: 2,460,305
2,460,511
12: 2,460,675
2,460,743
36— 8.5: 2,460,493
16: 2,460,699
37— 53: 2,460,560
126: 2,460,764
144: 2,460,348
38— 4: 2,460,496
65: 2,460,343
40— 69: 2,460,328
41— 4: 2,460,652
10: 2,460,654
43— 27: 2,460,526
61: 2,460,417
45— 2: 2,460,372
77: 2,460,521
46— 180: 2,460,716
47— 61: Pl.Pt.822
62: Pl.Pt.821
49— 54: 2,460,514
55: 2,460,547
77.5: 2,460,742
79: 2,460,356
50— 12: 2,460,664
51— 28: 2,460,312
79: 2,460,570

51— 100: 2,460,491
101: 2,460,744
105: 2,460,731
2,460,737
193: 2,460,588
214: 2,460,552
216: 2,460,477
291: 2,460,472
298: 2,460,367
52— 21: 2,460,375
58— 19: 2,460,634
83: 2,460,620
59— 78: 2,460,524
60— 41: 2,460,523
49: 2,460,610
52: 2,460,440
61— 34: 2,460,624
62— 1: 2,460,454
80: 2,460,469
92: 2,460,765
106: 2,460,341
134: 2,460,623
64— 7: 2,460,361
2,460,648
11: 2,460,628
65— 55: 2,460,542
66— 50: 2,460,487
70— 364: 2,460,551
367: 2,460,474
369: 2,460,615
2,460,709
72— 1: 2,460,662
38: 2,460,330
73— 33: 2,460,503
38: 2,460,655
93: 2,460,771
105: 2,460,726
118: 2,460,676
167: 2,460,290
74— 52: 2,460,428
96: 2,460,695
106: 2,460,658
246: 2,460,447
411: 2,460,630
469: 2,460,313
471: 2,460,663
537: 2,460,500
555: 2,460,599
701: 2,460,295
801: 2,460,629
75— 134: 2,460,595
76— 33: 2,460,331
65: 2,460,388
78— 21: 2,460,490
81— 6: 2,460,679
128: 2,460,766
82— 36: 2,460,342
84— 1.04: 2,460,408
88— 14: 2,460,350
16.5: 2,460,320
16.8: 2,460,432
24: 2,460,443
28: 2,460,359
65: 2,460,515
72: 2,460,461
73: 2,460,406
89— 1: 2,460,322
1.7: 2,460,321
33: 2,460,384
37: 2,460,390
137: 2,460,508
91— 18: 2,460,390
92— 37: 2,460,626
93— 2: 2,460,644
6: 2,460,751
96— 81.5: 2,460,507
97: 2,460,425
98— 13: 2,460,604
99.2: 2,460,760
99— 77.1: 2,460,735
80: 2,460,389
135: 2,460,608
154: 2,460,710
176: 2,460,480

99— 232: 2,460,439
101— 1: 2,460,504
92: 2,460,576
288: 2,460,659
102— 49: 2,460,289
103— 117: 2,460,421
126: 2,460,278
2,460,649
132: 2,460,617
105— 205: 2,460,606
106— 67: 2,460,268
111: 2,460,267
112: 2,460,266
182: 2,460,376
186: 2,460,377
108— 7: 2,460,353
112— 152: 2,460,583
2,460,864
113— 19: 2,460,266
45: 2,460,612
97: 2,460,327
111: 2,460,685
120: 2,460,273
115— 17: 2,460,419
34: 2,460,339
116— 34: 2,460,315
117— 41: 2,460,485
45: 2,460,787
104: 2,460,347
126: 2,460,734
120— 18: 2,460,323
42.03: 2,460,345
123— 1: 2,460,700
90: 2,460,651
117: 2,460,383
182: 2,460,338
185: 2,460,420
125— 13: 2,460,386
126— 271: 2,460,482
128— 1.1: 2,460,707
94: 2,460,589
276: 2,460,641
346: 2,460,470
349: 2,460,473
129— 10: 2,460,718
16.1: 2,460,378
18: 2,460,449
131— 15: 2,460,285
17: 2,460,284
132— 1: 2,460,562
16: 2,460,548
32: 2,460,317
82: 2,460,444
88.7: 2,460,299
92: 2,460,591
137— 165: 2,460,774
138— 43: 2,460,647
46: 2,460,407
139— 24: 2,460,512
232: 2,460,318
2,460,319
247: 2,460,611
144— 243: 2,460,465
146— 178: 2,460,663
285: 2,460,769
153— 1: 2,460,639
2: 2,460,281
2,460,453
32: 2,460,293
79: 2,460,580
154— 27: 2,460,571
42: 2,460,460
42.2: 2,460,619
45.9: 2,460,309
155— 140: 2,460,459
166: 2,460,791
158— 53: 2,460,451
117.1: 2,460,314
160— 313: 2,460,307
161— 6: 2,460,486
164— 65: 2,460,604
111: 2,460,549
166— 1: 2,460,561
18: 2,460,461

167— 28: 2,460,792
51.5: 2,460,437
58: 2,460,776
71: 2,460,587
170–135.75: 2,460,587
159: 2,460,351
160.11: 2,460,559
171— 95: 2,460,686
97: 2,460,553
119: 2,460,656
242: 2,460,773
252: 2,460,502
2,460,752
327: 2,460,520
2,460,703
2,460,704
172— 36: 2,460,371
2,460,418
278: 2,460,358
173— 339: 2,460,636
361: 2,460,304
175— 21: 2,460,556
41.5: 2,460,534
181: 2,460,684
183: 2,460,688
335: 2,460,601
176— 126: 2,460,738
2,460,739
177— 311: 2,460,789
353: 2,460,597
2,460,702
386: 2,460,316
178— 2: 2,460,767
44: 2,460,288
2,460,476
70: 2,460,786
179— 1: 2,460,475
156: 2,460,458
181— 0.5: 2,460,274
2,460,297
184— 6: 2,460,283
188— 104: 2,460,749
2,460,750
212: 2,460,780
224.1: 2,460,670
192— 105: 2,460,539
196— 5: 2,460,271
52: 2,460,404
60: 2,460,463
197— 126: 2,460,683
198— 9: 2,460,441
213: 2,460,661
200— 106: 2,460,758
140: 2,460,762
144: 2,460,727
150: 2,460,450
153: 2,460,462
2,460,495
201— 48: 2,460,494
76: 2,460,590
202— 143: 2,460,324
205: 2,460,602
204— 163: 2,460,705
206— 37: 2,460,306
41.4: 2,460,427
59: 2,460,434
210— 158: 2,460,423
161: 2,460,614
182: 2,460,416
201: 2,460,280
211— 100: 2,460,505
105.2: 2,460,517
119: 2,460,453
126: 2,460,594
165: 2,460,609
214— 1: 2,460,671
82: 2,460,544
215— 11: 2,460,329
219— 3: 2,460,519
4: 2,460,759
8: 2,460,537
13: 2,460,687
34: 2,460,625
39: 2,460,691
43: 2,460,509

219— 46: 2,460,433
220— 15: 2,460,355
31: 2,460,488
71: 2,460,366
2,460,410
222— 14: 2,460,605
20: 2,460,275
223— 67: 2,460,732
92: 2,460,438
99: 2,460,672
109: 2,460,678
224— 48: 2,460,530
230— 114: 2,460,778
117: 2,460,682
133: 2,460,370
143: 2,460,310
235— 70: 2,460,558
236— 45: 2,460,538
74: 2,460,748
238— 205: 2,460,362
240— 48: 2,460,585
241— 194: 2,460,279
242— 7: 2,460,478
32: 2,460,736
35.5: 2,460,723
72: 2,460,325
130: 2,460,753
157: 2,460,366
244— 50: 2,460,387
2,460,506
83: 2,460,374
246— 3: 2,460,336
2,460,337
8: 2,460,354
248— 5: 2,460,586
216: 2,460,568
254: 2,460,360
289: 2,460,503
350: 2,460,596
358: 2,460,292
250— 13: 2,460,755
2,460,781
27.5: 2,460,382
2,460,398
2,460,484
2,460,575
2,460,794
33.63: 2,460,286
2,460,287
2,460,401
33.67: 2,460,492
36: 2,460,637
2,460,790
156: 2,460,606
161: 2,460,609
175: 2,460,381
251— 76: 2,460,633
134: 2,460,529
141: 2,460,270
252— 29: 2,460,632
49.9: 2,460,301
137: 2,460,680
465: 2,460,333
254— 139.1: 2,460,442
255— 64: 2,460,673
257— 2: 2,460,754
43: 2,460,499
224: 2,460,660
259— 1: 2,460,364
96: 2,460,757
260— 29.1: 2,460,582
30.2: 2,460,578
2,460,579
31.8: 2,460,574
32.6: 2,460,600
37: 2,460,795
38: 2,460,516
43: 2,460,724
46.5: 2,460,457
78.5: 2,460,573
79.5: 2,460,393
81: 2,460,692
82.3: 2,460,300
82.5: 2,460,606

260— 84.3: 2,460,567
95: 2,460,546
112: 2,460,550
2,460,627
153: 2,460,618
236.5: 2,460,798
239: 2,460,581
251: 2,460,409
309.5: 2,460,747
314.5: 2,460,779
2,460,783
319: 2,460,745
341: 2,460,564
2,460,565
449.6: 2,460,508
466: 2,460,536
465.2: 2,460,772
465.4: 2,460,603
465.7: 2,460,788
475: 2,460,436
534: 2,460,706
2,460,785
583: 2,460,733
606: 2,460,592
624: 2,460,793
631.5: 2,460,291
649: 2,460,535
683.4: 2,460,303
2,460,719
261— 13: 2,460,528
30: 2,460,527
108: 2,460,706
263— 11: 2,460,392
264— 3: 2,460,501
266— 42: 2,460,711
271— 2.5: 2,460,340
273— 64: 2,460,385
77: 2,460,435
2,460,445
94: 2,460,541
101.2: 2,460,770
105.3: 2,460,294
155: 2,460,563
274— 11: 2,460,411
277— 61: 2,460,397
279— 2: 2,460,414
6: 2,460,689
46: 2,460,577
51: 2,460,302
280— 7.17: 2,460,479
30: 2,460,557
33: 2,460,725
33.4: 2,460,466
81: 2,460,429
87.04: 2,460,395
150: 2,460,394
153: 2,460,349
285— 25: 2,460,756
40: 2,460,518
49: 2,460,720
86: 2,460,653
97.1: 2,460,746
115: 2,460,665
2,460,666
2,460,667
118: 2,460,666
122: 2,460,821
2,460,635
2,460,741
129: 2,460,646
130: 2,460,311
170: 2,460,352
210: 2,460,622
287— 23: 2,460,363
52.06: 2,460,510
2,460,631
119: 2,460,555
289— 2: 2,460,489
292— 1: 2,460,607
198: 2,460,533
251: 2,460,613
296— 44: 2,460,399
298— 23: 2,460,403
299— 112: 2,460,545

CLASSIFICATION OF PATENTS

301— 9: 2,460,296
37: 2,460,784
306— 19: 2,460,783
34: 2,460,643
308—187.1: 2,460,740

309— 43: 2,460,430
45: 2,460,431
311— 21: 2,460,712
312— 36: 2,460,396
73: 2,460,730

312— 112: 2,460,661
315— 5: 2,460,332
6: 2,460,402
2,460,498
27: 2,460,540

315— 207: 2,460,456
208: 2,460,455
364: 2,460,471
318— 29: 2,460,276
2,460,497

318— 20: 2,460,638
244: 2,460,729
283: 2,460,277
497: 2,460,415
322— 60: 2,460,714

323— 105: 2,460,467
332— 13: 2,460,690
343— 100: 2,460,326
113: 2,460,357

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,460,295: 74—701
2,460,300: 260—82.3
2,460,302: 279—51
2,460,312: 51—28
2,460,325: 242—72
2,460,332: 315—5
2,460,353: 287—23
2,460,347: 51—298
2,460,385: 273—64
2,460,400: 18—54

2,460,410: 220—71
2,460,415: 318—497
2,460,441: 198—9
2,460,442: 254—139.1
2,460,455: 315—208
2,460,480: 99—176
2,460,491: 51—100
2,460,495: 200—153
2,460,497: 318—29
2,460,509: 219—43

2,460,522: 30—189
2,460,544: 214—82
2,460,566: 18—19
2,460,567: 260—84.3
2,460,571: 154—27
2,460,578: 260—30.2
2,460,579: 260—30.2
2,460,582: 260—29.1
2,460,585: 240—48
2,460,593: 248—289

2,460,596: 248—350
2,460,598: 89—137
2,460,606: 260—82.5
2,460,608: 250—156
2,460,609: 250—161
2,460,616: 30—131
2,460,629: 74—801
2,460,631: 287—52.06
2,460,640: 24—71.1
2,460,641: 128—276

2,460,645: 30—34
2,460,647: 138—43
2,460,668: 285—118
2,460,680: 252—137
2,460,682: 230—117
2,460,694: 164—65
2,460,699: 211—165
2,460,707: 128—1.1
2,460,714: 322—60
2,460,731: 51—106

2,460,732: 223—67
2,460,737: 51—105
2,460,746: 285—97.1
2,460,756: 285—26
2,460,758: 200—106
2,460,773: 171—242
2,460,787: 117—45
2,460,790: 250—36
2,460,792: 167—28
2,460,796: 260—236.5

CLASSIFICATION OF DESIGNS

D 3-19: Des. 152,556
D 6- 2: Des. 152,575
D 7- 7: Des. 152,568
Des. 152,569
Des. 152,570
Des. 152,571
Des. 152,572
D14- 3: Des. 152,576
D26- 7: Des. 152,516
14: Des. 152,577
Des. 152,578
D29-11: Des. 152,546

D29-23: Des. 152,520
D31- 4: Des. 152,526
Des. 152,542
D34- 2: Des. 152,544
11: Des. 152,567
15: Des. 152,524
D44-10: Des. 152,521
Des. 152,558
15: Des. 152,574
26: Des. 152,539
D45- 9: Des. 152,517
Des. 152,559

D45- 9: Des. 152,560
Des. 152,561
Des. 152,562
Des. 152,563
Des. 152,564
Des. 152,565
Des. 152,566
19: Des. 152,522
Des. 152,541
D48- 2: Des. 152,551
Des. 152,552
20: Des. 152,573

D48-23: Des. 152,543
D49- 1: Des. 152,550
D54-12: Des. 152,525
D58- 6: Des. 152,515
Des. 152,553
8: Des. 152,513
Des. 152,514
9: Des. 152,527
11: Des. 152,523
D61- 1: Des. 152,536
Des. 152,537
Des. 152,538

D61- 1: Des. 152,540
Des. 152,557
D64-11: Des. 152,518
D67- 4: Des. 152,579
D74- 1: Des. 152,528
Des. 152,554
D80- 5: Des. 152,555
9: Des. 152,529
Des. 152,549
D81-21: Des. 152,545
D86-10: Des. 152,547
Des. 152,548

D90- 3: Des. 152,530
D92- 1: Des. 152,531
Des. 152,532
Des. 152,533
Des. 152,534
Des. 152,535
2: Des. 152,519

U. S. GOVERNMENT PRINTING OFFICE: 1949

February 8, 1949 Volume 619 Number 2

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

	Page
Issue of February 8, 1949	254
Patents Expiring	254
Applications Under Examination	255
Patent Suits	257
Notices	
Address Changes in Patented Files	258
Notice of Tentative Recordation of Trade Name	258
Publication of Abstracts of Applications	258
Roster of Attorneys and Agents	259
Adverse Decisions in Interferences	259
Adjudicated Patent	259
Disclaimers	259
Register of Patents Available for Licensing or Sale	260
Rules of Practice:	
In Patent Cases	273
In Trade-Mark Cases	310
Trade-Marks	
Published (215 Applications)	311
Registrations Granted	338
Registrations Renewed	351
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	355
Registrations—New Certificates	355
Registrations Republished (446 Registrations)	356
Reissues	407
Patents Granted	408
Designs	584

February 8, 1949

Trade-Marks	93	No. 441,989 to No. 442,081, inclusive
T. M. (Act of 1946)[1]	219	No. 506,387 to No. 506,605, inclusive
T. M. Renewals	101	
Reissues	1	No. 23,083
Patents	708	No. 2,460,797 to No. 2,461,504, inclusive
Designs	88	No. 152,580 to No. 152,667, inclusive
Total	1,210	

[1] Trade-Mark Registration Numbers 506,586 and 506,587 were registered as of January 18, 1949

Patents expiring: Patent Numbers 1,843,909 to 1,844,928, inclusive, issued February 9, 1932, expire February 9, 1949

Condition of Applications Under Examination at Close of Business Jan. 19, 1949

Total number of patent applications awaiting action, 153,925. Date of oldest new application, January 2, 1947; date of oldest amended application, May 4, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	8-1-47	6-6-47	2889
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	4-11-47	12-26-46	2897
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	5-3-48	4-22-48	1196
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	5-3-47	4-15-47	4137
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	1-12-48	1-13-47	1643
6. SURLE, H., Carbon Chemistry (part)	3-15-48	1-2-48	1942
7. HANLIN, GEORGE, Optics; Photographic Apparatus	4-22-48	1-13-48	1630
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	5-1-47	1-17-47	4419
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-6-47	3-25-47	2425
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	4-14-48	3-13-48	1550
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	11-3-47	1-2-47	2044
12. SPINTMAN, S., Machine Elements (part); Engine Starterr; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-2-48	11-1-46	2189
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-20-47	2-10-47	2392
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	3-15-48	1-2-48	1343
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-2-48	7-16-47	1951
16. LOVEWELL, N. N., Television; Telephony	4-22-48	9-3-47	1634
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-3-47	12-10-46	2153
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	11-15-47	1-18-47	2238
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	3-17-47	1831
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	9-11-47	4-24-47	2021
21. MADER, R. C., Textiles	1-12-48	11-20-47	1250
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	2-12-48	3-11-47	1710
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	1-8-47	1149
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	12-4-47	12-4-47	2856
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	4-16-48	7-29-47	1781
26. YOUNG, R. R., Electricity—Generation, Motive Power; Transmission to Vehicles; Elevators	11-28-47	3-15-47	1156
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	8-27-47	2-24-47	3309
28. BRAUNER, R. H., (Acting), Internal-Combustion Engine (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	4-20-48	1-15-48	958
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	5-29-47	5-15-47	3188
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners: Ammunition and Explosive Devices.	4-23-48	4-21-48	975
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-15-48	5-15-48	2117
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-17-47	11-5-46	2155
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	5-16-47	2-27-47	3720
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	12-5-47	3-24-47	1400
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	9-16-47	1-10-47	3485
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-4-47	1-8-47	2027
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-21-48	7-11-47	1382
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-21-48	12-12-47	1608
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	1-3-48	11-21-46	3008
40. DRUMMOND, E. J., Receptacles (part); Packages	3-15-48	3-4-47	2173
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-17-48	1-17-47	2223
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	5-22-48	4-23-48	1120
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	4-14-48	2-27-48	1198
44. HARVEY, L. P., Refrigeration	1-2-47	1-14-47	1017
45. MANTER W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	7-14-47	3-4-47	2573
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	1-8-48	2-17-47	1835

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 153,925. Date of oldest new application, January 2, 1947; date of oldest amended application, May 4, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-13-48	10-10-47	2201
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	4-22-48	8-9-47	1443
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-10-47	3-7-47	2311
50. LEVIN, SAMUEL, Synthetic Resins	5-11-48	2-2-48	2166
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	4-27-48	2-3-48	1594
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	1-21-48	2-8-47	3846
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-14-47	12-13-46	2448
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-22-48	8-25-47	1633
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	3-2-48	11-6-47	1803
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	10-24-47	12-2-47	1800
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	7-25-47	2-14-47	3505
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-26-47	5-2-47	1928
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	1-30-48	5-2-47	1618
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-8-48	10-15-47	1232
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	10-3-46	3778
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	2-26-48	6-11-47	1558
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-2-48	10-15-47	1994
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	6-22-48	6-28-48	1679
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-19-48	10-13-47	2372
66. LISANN, I., Geometrical Instruments	4-3-48	5-4-46	2049
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-5-48	8-20-47	1974
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-3-48	12-26-47	1502
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-5-47	2223
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	6-10-47	5-6-47	1064
DESIGNS: BREHM, G. L.	4-29-47	5-26-48	7218

Total number of trade-mark applications awaiting action (including renewals and republications), 36,557. Date of oldest new application, Oct. 20, 1947; date of oldest amended application, Apr. 17, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application awaiting Office action	Oldest amended application awaiting Office action	Applications awaiting action
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-20-48	6-5-48	2980
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	11-8-47	7-12-48	6155
3. SUMMERS, G. S., Classes 13, 21, 23, 26	10-20-47	7-24-48	5404
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	11-12-47	5-14-48	4701
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	12-24-47	7-10-48	3842
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-27-48	7-3-48	3521
7. KEYS, O. M., Classes 16, 19, 55	12-5-47	4-17-48	2255
8. GEDIMAN, H. W. {Renewals / Republications} All Classes	11-24-48	12-10-48	208
	2-16-48	12-10-48	7491

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,749,977, B. F. Hutches, Jr., Parking clock; 2,088,300, C. C. Magee, Parking device; 2,118,318, same, Coin controlled parking meter; 2,137,111, Hale & Thuesen, Coin controlled time measuring mechanism; 2,262,783, C. A. Toce et al., Vehicle parking meter; 2,328,043, Woodruff & Toce, Parking meter, filed Dec. 22, 1948, D. C., N. D. Ohio, E Div., Doc. 26088, *Duncan Meter Corp* v. *Vehicle Parking, Ltd.* Dismissed Dec. 31, 1948.

1,887,926, S. Fox, Combination garment, filed Dec. 30, 1948, D. C., S. D. N. Y., Doc. 48/510, *S. Fox* v. *Associated Lerner Shops of America, Inc., et al.*

1,889,499, Rorrer & Mitterer, Apparatus and method for refrigeration; 1,987,796, 2,011,731, same, Refrigerated show case; Re. 21,264, same, Showcase, filed Dec. 24, 1948, D. C., S. D. Calif. (Los Angeles), Doc. 9041–BH, *Stadium Stores, Inc.*, v. *Hunter Refrigerator Co. et al.*

1,903,659, R. J. Smith, Machine and method for applying fastener elements; 2,026,413, Binns & Dehart, Method and machine for making flexible closures; 2,078,016, N. J. Poux, Method of forming interlocking members for separable fasteners; 2,078,017, 2,169,176, same, Method of making separable fasteners, filed Dec. 29, 1948, D. C., S. D. N. Y., Doc. 48/481, *Talon, Inc.*, v. *Closurette Corp. of America.*

1,987,796. (See 1,889,499.) 2,011,731. (See 1,889,499.)

2,014,344, S. Switlik, Harness for quick attachable chest pack; 2,014,345, same, Lift web for pack and harness, filed Dec. 23, 1948, D. C. Conn. (New Haven), Doc. 2496, *Switlik Parachute Co., Inc.*, v. *Pioneer Parachute Co., Inc.*

2,014,345. (See 2,014,344.) 2,026,413. (See 1,903,659.)

2,078,016. (See 1,903,659.) 2,078,017. (See 1,903,659.)

2,088,300. (See 1,749,977.)

2,109,400, K. Mlescher et al., Esters of testosterone and process of making same; 2,308,833, Ruzicka & Wettstein, Polynuclear cyclic oxyketones and derivatives thereof and process of making same, filed Jan. 4, 1949, D. C. N. J. (Newark), Doc. 2/49, *Chemical Specialties Co., Inc.*, v. *Ciba Pharmaceutical Products, Inc.*

2,118,318. (See 1,749,977.) 2,137,111. (See 1,749,977.)

2,169,176. (See 1,903,659.)

2,200,504, T. A. Keen, Starting box, filed Dec. 27, 1948, D. C. Ariz., Doc. 1255, *Puett Electrical Starting Gate Corp. et al.*, v. *Ingleside Turf Club, Inc., et al.*

2,255,611, J. H. Brown, Hat fastener, D. C., S. D. N. Y., Doc. 37/74, *J. H. Brown* v. *Albee Sales Co., Inc., et al.* Order dismissing cause for lack of prosecution Dec. 21, 1948.

2,262,783. (See 1,749,977.) 2,308,833. (See 2,109,400.)

2,322,041, E. L. Mayo, Automotive vehicle heating apparatus, filed Dec. 27, 1948, D. C., N. D. Ohio, E. Div., Doc. 26102, *The Bishop & Babcock Mfg. Co.* v. *Sears, Roebuck & Co.*

2,328,043. (See 1,749,977.)

2,333,400, R. R. Ware, Roller, filed Dec. 28, 1948, D. C., E. D. N. Y., Doc. 9603, *Chicago Roller Skate Co.* v. *Blaes Bros., Inc.*

2,346,760, J. O. Kleber, Wave record mold, filed Dec. 27, 1948, D. C. N. J. (Newark), Doc. 11925, *Lincoln Records, Inc., et al.*, v. *Woods Plastics, Inc.*

2,365,500, N. Topliss, Netted curtain, D. C., S. D. N. Y., Doc. 34/301, *Home Curtain Corp.* v. *House Beautiful Curtains, Inc.* Order dismissing cause for lack of prosecution Dec. 21, 1948.

2,390,636, 2,397,229, L. J. Biro, Writing instrument, D. C., S. D. N. Y., Doc. 37/418, *Morrison Fountain Pen Co. et al.* v. *Eversharp, Inc., et al.* Consent order of dismissal as to Eberhard Faber Corp., L. J. Biro and Eterpen May 22, 1947; dismissed for lack of prosecution as to Eversharp, Inc., Dec. 21, 1948.

2,397,229. (See 2,390,636.)

2,411,462, H. M. Plehn, Brassière and method of making, filed Dec. 28, 1948, D. C., E. D. N. Y., Doc. 9604, *Peter Pan Foundations, Inc., et al.*, v. *Corona Corset Corp.*

2,417,687, L. Hunan, Brassière, D. C., S. D. N. Y., Doc. 42/154, *Exquisite Form Brassiere, Inc.*, v. *Lady Marlene Brassiere Corp.* Consent judgment favor of plaintiff, sustaining patent, adjudging infringement, and granting injunction (notice Jan. 4, 1949).

2,446,319, S. O. Orthwin, Hem marker, filed Dec. 30, 1948, D. C., E. D. Mo. (St. Louis), Doc. 6282, *Orco Products, Inc.*, v. *Scrugge, Vandervoort, Barney, Inc.*

2,455,515, S. Miller, Reinforcement and spring clip construction for a billfold, filed Jan. 4, 1949, D. C., E. D. N. Y., Doc. 9613, *Swank, Inc.*, v. *S. Miller.*

Re. 21,264. (See 1,889,499.)

Des. 141,382, O. F. Placco, Brooch, D. C., S. D. N. Y., Doc. 33/217, *Barker & Barker, Inc.*, v. *Gerlou Fifth Ave. et al.* Order dismissing cause for lack of prosecution Dec. 21, 1948.

Des. 149,037, G. Backer, Woven plastic fabric, filed Dec. 17, 1948, D. C., S. D. N. Y., Doc. 48/391, *Newcastle Fabrics Corp* v. *Gordon Textile Co.*

Vol. 619 • No. 2 Tuesday, February 8, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

Roster of Attorneys and Agents

Pat. 2,416,290, W. A. Depp, Cathode-ray oscilloscope circuit, decided Nov. 19, 1948, claim 3.

NOTICES

Address Changes in Patented Files

Patentees desiring to have notices of change in address entered in the patented file may do so by mailing a record of such address change to the Patent Office. The notice should contain the following information: patentee's name, patent number, title of invention, date of issue, and the patentee's signature. A separate notice must be filed for each patent number.

C. E. HAGLUND,
Executive Officer.

January 18, 1949.

Notice of Tentative Recordation of Trade Name

[T. D. 52129]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"WALLACE SILVERSMITHS," owned by R. Wallace & Sons Mfg. Co., Wallingford, Conn., which is used in connection with the manufacture, importation, and sale of sterling silver and silver plated flatware, tableware, and carving sets, and analogous products, the merchandise being manufactured in the United States and Great Britain.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after January 25, 1949. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

January 13, 1949.

Notice of Tentative Recordation of Trade Name

[T. D. 52130]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"CHARVOZ," owned by Charvoz-Roos Corporation, a corporation of New York, 101 Fifth Avenue, New York, N. Y., which is used in connection with the manufacture, importation, and sale of drafting and drawing instruments and material by that corporation and Charvoz, Inc., a corporation of New Jersey, East Rutherford, N. J. The merchandise is manufactured in the United States and imported from Switzerland and France and later will be imported from Germany.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after January 25, 1949. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

January 13, 1949.

Publication of Abstracts of Applications

The Patent Office has been requested by the owners of numerous applications for patents to publish their applications, or abstracts of the disclosures of the applications. In view of these requests and the representations made, it has been decided to publish abstracts of such applications in the OFFICIAL GAZETTE.

(1) Upon the written request of the owner of a pending application for patent that an abstract of his application be published in the OFFICIAL GAZETTE and that the application simultaneously be made available to the public, such request also indicating that he intends to abandon the application, the abstract will be so published in the OFFICIAL GAZETTE, including a figure of the drawing and the serial number and date of filing. The person making the request may submit a proposed abstract of the disclosure of the application and designate which figure of the drawing he desires to be published. The Office reserves the right to refuse or refrain from publication of any particular application or to amend the abstract submitted.

(2) The request for publication may be accompanied by a formal abandonment of the application, to become effective on publication of the abstract, or a formal abandonment may be filed after the publication. However the request for publication may indicate that the application will be abandoned only if no interfering applications of others are found by the Examiner. In such event, if the application is awaiting action by the Office, action thereon will be suspended for a period of at least one year following the date of the publication except for such actions as may result in the declaration of an interference. After the expiration of such one-year period, the Examiner will make an interference search to determine if any applications then pending interfere with the published application. If no interfering application is found, the owner of the application will be so advised, and thereupon the owner will be expected to file a formal abandonment of the application involved.

(3) On publication of the abstract the entire application will be available to the public for inspection and obtaining of copies, and the publication will so state.

(4) The publications will be used as references against other applications in which they may be applicable.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

January 25, 1949.

Roster of Attorneys and Agents

Notice is hereby given of publication by the Patent Office of a pamphlet entitled *Roster of Attorneys and Agents Registered to Practice Before the U. S. Patent Office.*

This publication is an extract of the official roster maintained by the Patent Office and contains the name and address of all individuals and firms registered in the Patent Office as of January 1, 1949. The publication has been arranged in three sections (1) Individuals in the United States; (2) Individuals in Foreign Countries; and (3) Firms. The names listed in each section are grouped geographically by States and countries and in some instances by major cities within States or countries. The names are listed in alphabetical order under each geographical subdivision.

Copies of this pamphlet may be obtained from the Patent Office at $1.00 each. Patent Office coupons are acceptable in payment for this publication.

C. E. HAGLUND,
Executive Officer.

January 25, 1949.

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,412,974, E. M. Deloraine, Electric wave communication system, decided Nov. 12, 1948, claims 1, 2, and 10.

Pat. 2,388,161, E. L. Kripa, Tetra-allyl silicane and process of preparing the same, decided Nov. 17, 1948, claim 2.

Pat. 2,416,290, W. A. Depp, Cathode-ray oscilloscope circuit, decided Nov. 19, 1948, claim 3.

Pat. 2,427,726, E. W. Hopkins, G. Josh, and L. A. Harriman, Preparing dried egg products, decided Jan. 12, 1949, claims 1, 2, 3, 4, 5, 6, 8, and 9.

Adjudicated Patent

(C. C. A. N. Y.) Berndt & Creighton patent, No. 2,072,416, for method of irradiating substances with active rays, claims 13, 14, and 16 to 18, inclusive *Held* invalid. *R. U. V. Engineering Corp.* v. *Borden Co.*, 170 F.2d 688; 79 USPQ 256.

Disclaimers

2,304,656.—*Joseph Rockoff*, Dayton, Ohio. SPINNING COT. Patent dated Dec. 8, 1942. Disclaimer filed Jan. 4, 1949, by the inventor and the assignee *The Dayton Rubber Company.*

Hereby enter this disclaimer to claims 1 and 6, inclusive, and to claim 9 of said Letters Patent.

2,428,745.—*Gordon H. Stillson*, Oakmont, Pa. ALKYLATION OF PHENOLS. Patent dated Oct. 7, 1947. Disclaimer filed Dec. 30, 1948, by the assignee, *Gulf Research & Development Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 4 and 6 of said patent.

2,073,876.—*Guy C. Oliver*, Glendale, Calif. CORE BARREL. Patent dated Mar. 16, 1937. Disclaimer filed Dec. 27, 1948, by the inventor and by the assignees, *Jack E. Talbot* and *Robert Farley Lucas.*

Hereby enter this disclaimer to claim 13 in said specification.

ting operation. A wire member has parallel arms bridging top of pan to serve as a support as well as a gage for fruit. (Owner) Everett I. Hess, 253 11th St., S. E., Wash-

Pat. 2,449,728. ARTIFICIAL HAND AND ARM. Patented Sept. 21, 1948. Artificial hand and arm fits around a person's arm which has been amputated below the elbow.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,451,248. PHONOGRAPH-RADIO SWITCH. Patented Oct. 12, 1948. Rotary radio-phonograph switch may be set to automatically shut off current to both a radio and a phonograph after a pre-selected number of records have been played. Also permits recordings of radio programs to be made. An insulated segmental part of a contact ring breaks the circuits and a cam engages an audio switch to disconnect audio circuit from phonograph and connect it back to radio so that radio may be played alone. Switch may be set for continued operation if desired. The contact ring with fourteen circumferential notches, the cam, a ratchet wheel with two teeth omitted, and a knob with a pointer are all mounted on a shaft. A catch arm engages ratchet wheel to rotate switch step by step. Current is supplied to the contact ring by a pair of resilient contact prongs engaging periphery of ring, and the ring supplies current to branch circuits through two opposed contact prongs which engage opposite sides of ring. (Owner) Joseph L. Slatin, 2109 South Kenilworth Ave., Berwyn, Ill. Group 36—19—61. Reg. No. 18,500.

American Cyanamid Company, 1937 West Main St., Stamford, Conn., has placed the following 11 patents on the Register of Patents. They are in Group 28—31.

Pat. 2,334,163. PREPARATION OF BETA-ALANINE. Patented Nov. 16, 1943. Reg. No. 18,501.

Pat. 2,335,605. PREPARATION OF BETA-ALANINE. Patented Nov. 30, 1943. Reg. No. 18,502.

Pat. 2,335,653. PREPARATION OF BETA-ALANINE. Patented Nov. 30, 1943. Reg. No. 18,503.

Pat. 2,335,997. PRODUCTION OF BETA-ALANINE AND BETA-ALANATES FROM ACRYLONITRILE. Patented Dec. 7, 1943. Reg. No. 18,504.

Pat. 2,336,067. PREPARATION OF BETA-ALANINE. Patented Dec. 7, 1943. Reg. No. 18,505.

Pat. 2,354,909. PREPARATION OF BETA-ALANINE AMIDE BY REDUCTION OF CYANOACETAMIDE. Patented Aug. 1, 1944. Reg. No. 18,506.

Pat. 2,364,538. PREPARATION OF BETA-ALANINE. Patented Dec. 5, 1944. Reg. No. 18,507.

Pat. 2,377,401. PREPARATION OF BETA-ALANINE. Patented June 5, 1945. Reg. No. 18,508.

Pat. 2,401,547. PREPARATION OF BETA-ALANINE BY REDUCTION OF CYANOACETIC ACID. Patented June 4, 1946. Reg. No. 18,509.

Pat. 2,414,389. PREPARATION OF BETA-ALANINE. Patented Jan. 14, 1947. Reg. No. 18,510.

Pat. 2,416,630. PREPARATION OF BETA-ALANINE. Patented Feb. 25, 1947. Reg. No. 18,511.

These 11 patents relate to various preparations of beta-alanine (beta-aminopropionic acid) an important intermediate in the preparation of pantothenic acid. The method of preparation in most of the patents is essentially the same, a typical example being Patent 2,414,389 in which beta-aminopropionic acid is produced by reacting hydracrylic acid with aqueous ammonia at a temperature ranging from 120–225° C., from 1 to 24 hours. The reaction mixture is concentrated to a sirup and diluted with methanol to precipitate the beta-aminopropionic acid. The residue may be re-used for further reactions. The various substances used in the remainder of the patents are as follows: bis-(cyanoethyl) amine (2,334,163); beta-alkoxypropionitrile (2,335,605); a substance of the group consisting of dihydracrylonitrile and thiodihydracrylonitrile (2,335,653); acrylonitrile with an ammonium hydroxide solution of ammonium carbonate (2,335,997); beta-aminopropionitrile (2,336,067); reduction of cyanoacetamide in an acetic acid solution (2,354,909); ethylene cyanohydrin (2,364,538); acrylonitrile (2,377,401); catalytic reduction of cyanoacetic acid (2,401,547); and the reaction of a member of the group consisting of iminodipropionic acid, dihydracrylic acid and thiodihydracrylic acid (2,416,630).

Pat. 2,448,980. STEM AND SOCKET COMBINATION. Patented Sept. 7, 1948. The wheel of this caster will not drop from socket, yet wheel may be readily inserted in or removed from socket by turning its stem in either direction. Socket around its inner surface is embossed with spaced, staggered ledge portions arranged in rows. Spaces between ledges form spiral and annular channels for the passage of a pair of lateral lugs at top end of stem of wheel. When wheel rests on floor, the lugs are disposed above top row of ledges. Socket may be stamped from a single piece of light sheet metal. (Owner) R. L. Hough, 52 Brant Ave., Brantford, Ontario, Canada. Group 33—59—73. Reg. No. 18,512.

Pat. 2,449,331. SECTIONAL POST LOCK FOR LOOSE-LEAF BINDERS. Patented Sept. 14, 1948. Loose-leaf binder having upper and lower flat tubular clamps includes locking means inside upper clamp actuated by a thumb screw so that the clamps may be locked together, or released, by simply adjusting screw. Screw is threaded into an opening in the center of an elongated flexible lock strip inside upper clamp. Each end of lock strip carries a flanged wedge plate loosely riveted thereto. A pair of posts of lower clamp extend upwardly through openings in upper clamp, and through openings in wedge plates. When lock strip is flexed by adjusting thumb screw, lateral fulcrum ridges in strip near its opposite ends cause ends of strip to move vertically. This forces the wedge plates to assume either a slanting position so that they frictionally engage the posts to lock the clamps together or horizontal position to release posts. (Owner) Walter Shoda, 118—17 192nd St., St. Albans 12, N. Y. Groups 27—83; 35—79. Reg. No. 18,513.

Pat. 2,099,978. FRUIT CUTTING DEVICE. Patented Nov. 23, 1937. Hand-operated fruit cutter is embodied in a split ring and a smaller ring connected in side-by-side relation by a block. The split ring is used for adjustably clamping the device to a juicer or other cylindrical support. The smaller ring supports a removable pan and a pivoted swinging knife above pan. Knife is mounted so it may be moved longitudinally back and forth during cutting operation. A wire member has parallel arms bridging top of pan to serve as a support as well as a gage for fruit. (Owner) Everett I. Hess, 253 11th St., S. E., Washington 20, D. C. Groups 33—73; 34—99. Reg. No. 18,514.

Pat. 2,452,148. ADJUSTABLE KEYHOLE SAW. Patented Oct. 26, 1948. An adjustable hand saw has a pistol-grip type handle with a magazine for housing blades of various sizes. The handle has a blade-receiving slot, one side wall of which is formed with a notch. A clamp plate is positioned within the slot and fitted in the notch to engage and clamp a blade. A bolt extends through the handle, slot, and plate and is tightened in position to hold the blades at various lengths. (Owners) Curtis Lee Rhodes and Perry Emmet O'Brien, Ripley, W. Va. Group 33—54. Reg. No. 18,515.

Pat. 2,448,837. BASEBALL GAME. Patented Sept. 7, 1948. A game board surface representing a baseball diamond is provided with recesses in the outfield section for trapping the ball. A ball is deposited in the trough of a pitching device and the player manipulates an oscillating batting device to cause a crank arm to strike the ball and propel it over the playing surface, where it is trapped in one of the recesses the position of which indicates the type of play, such as put-out, etc. If the batter misses the ball, it travels through a passage behind home plate into a collection trough. (Owner) C. E. Siberts, 1001 Euclid Ave., Jackson, Miss. Group 39—41. Reg. No. 18,516.

Des. Pat. 143,095. DESIGN FOR A BASKET. Patented Dec. 4, 1945. Body and handle of ornamental basket are covered with a tissue-like paper made up of rows of looped strands and forming an over-all fluffy appearance. (Owner) Mildred Rajah, 108 Renwick Place, Syracuse 3, N. Y. Groups 26—99; 39—41; 40. Reg. No. 18,517.

Pat. 2,451,698. EXTENSION TONGUE. Patented Oct. 19, 1948. Extension tongue for boat trailers includes three interconnected tongue sections held in telescoped position by a locking bolt placed through aligned apertures at center of each section. To extend the section the locking bolt is removed. Inner and intermediate sections have bearing rings on their outer ends and a pair of locking lugs forwardly of the rings for movement through locking slots in the front ends of the intermediate and larger sections. When the sections are rotated the locking lugs on one section will lock against shoulders on the next section. (Owner) Dean E. Swinehart, 111 North Sycamore St., Ravenna, Ohio. Groups 37—32; 38—11. Reg. No. 18,518.

Pat. 2,447,229. SHOTGUN FOREARM. Patented Aug. 17, 1948. Forearm for an automatic shotgun has a pair of securing pins molded therein for attachment to a breech mechanism of a conventional gun. An opening is provided in the bottom wall of forearm for storing a gun magazine plug. A lubricant fitting is permanently molded in the forearm in such a way that lubricant supplied to the tube will fall onto the recoil mechanism. Formed of a moldable material such as synthetic resin plastic. (Owner) George T. Bradley, R. F. D. 1, Pickett, Wis. Group 33—97. Reg. No. 18,519.

Pat. 2,451,763. FOLDING TABLE WITH SECTIONAL TOP. Patented Oct. 19, 1948. A folding table consisting of four sections bingedly connected in pairs to fold one over the other. Two-part telescoping legs fold between the sections. Table may be folded to one-fourth the original size for storing. (Owner) Michael J. Misko, 423 West 93rd St., Inglewood, Calif. Group 25—11—14. Reg. No. 18,520.

Pat. 2,449,728. ARTIFICIAL HAND AND ARM. Patented Sept. 21, 1948. Artificial hand and arm fits around a person's arm which has been amputated below the elbow. When arm is bent at elbow, the hand closes, and when arm is straightened out, hand opens. An elbow joint is formed in the artificial arm by pivotally connecting discs on the ends of pairs of forward and rear side bars. A pair of finger-actuating bars have pins in their forked inner ends engaged in curved eccentric slots in the rear discs to impart longitudinal movement to the bars to open and close hand. The thumb and fingers are formed of pivotally connected links to allow movement in a natural manner when hand is opened and closed. Thumb and each finger are surrounded by coil springs forming yieldable sleeves to permit good grip on an article without applying excessive pressure. The springs also impart a more natural appearance when covered with a glove. Modifications are shown. (Owner) Hans J. Snethun, 2646 Glen Drive, Vancouver, British Columbia, Canada. Group 39—16. Reg. No. 18,521.

Pat. 2,271,073. INSURANCE VENDOR. Patented Jan. 27, 1942. Coin-controlled machine is intended for use in transportation stations, hotels, filling stations, etc., to sell short-term insurance to travelers. Each policy has a detachable record strip along one vertical edge. Upon insertion of a coin, certain windows are opened to expose portions of record strip so that purchaser may inscribe his name and address and affix his thumbprint on a sensitized portion. Operation of a lever then stamps the date and hour on both policy and record strip, ejects policy, and locks windows. The record strip is automatically severed from policy and retained in machine. (Co-owner) Charles F. Harris. Correspondence to Edmund W. E. Kamm, 3932 Indiana Ave., Fort Wayne 6, Ind. Group 35—73. Reg. No. 18,522.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the OFFICIAL GAZETTE, November 2, 1948. Abstracts of the patents are being published in the OFFICIAL GAZETTE beginning November 9, 1948. The following patents (Reg. Nos. 18,523 through 18,781) are part of Schedule 10, Groups 22; 26—27—29; 28; 29—11; 31—13.

Inquiries concerning these patents should be addressed to Patent Division, E. I. du Pont de Nemours and Company, Wilmington 98, Del.

Patents Relating to Chemicals for Treatment of Textiles, Paper and Leather

Pat. 1,892,889. Process of Purifying Abietene-Sulphonic Acid Compounds. Jan. 3, 1933. Purification of sulfonated abietene compounds by agitating with a water immiscible inert organic liquid which is a solvent for abietene hydrocarbons.

Pat. 1,897,120. Treating Bath and Process of Treating Textile Fibers. Feb. 14, 1933. Process of treating fibrous material, which comprises subjecting fibrous material to an aqueous treating bath containing water soluble sulfonation products of a member of the group consisting of abietene, abietine and abietane.

Pat. 1,897,124. Process of Tanning. Feb. 14, 1933. Process of tanning in which the hide is subjected to the action of a bath containing a vegetable tanning agent and a sulfonic acid body of the abietene family, their salts or aldehyde condensation products.

Pat. 1,926,614. Fixation of Dyes on Colored Paper. Sept. 12, 1933. Method of coloring paper by applying a dye containing an acid group thereto and fixing the dye by applying to the dyed paper a substance of the group consisting of di- and tri-aryl guanidines.

Pat. 1,929,145. Manufacture of Pulp From Colored Rags. Oct. 3, 1933. In the manufacture of paper pulp

a low substituted lower alkyl cellulose which is water-

from colored rags, the color is removed by treating with caustic alkali and then with alkaline hydrosulfite.

Pat. 1,953,908. Method of Treating Textile Material and Product. Apr. 3, 1934. Sulfur black dyed goods having a soluble fluoride on it as a stabilizer which also inhibits tendering.

Pat. 1,953,909. Treating Textile Materials. Apr. 3, 1934. Materials dyed with a sulfur dye and having on them a soluble fluoride and a soap to inhibit tendering.

Pat. 1,961,365. Manufacture of Multi-Ply Paper Board. June 5, 1934. Manufacture of multi-ply paper board having a water resisting liner by depositing on the inner face of the liner prior to the application of a silicate adhesive thereto, a water-soluble wetting agent, e. g. alkyl naphthalene sulfonate.

Pat. 1,967,393. Detergent Composition. July 24, 1934. Composition for cleaning metallic surfaces comprising an alkali metal carbonate, a sulfonic acid derivative of an alkylated aromatic hydrocarbon and amyl alcohol or cyclohexanol.

Pat. 1,967,394. Detergent Composition. July 24, 1934. Composition for cleaning metallic surfaces comprising trisodium phosphate, a sulfonic acid derivative of an alkylated aromatic hydrocarbon containing two benzene nuclei, and an organic solvent immiscible in water.

Pat. 1,979,145. Process of Producing Polynaphthyl Ethers. Oct. 30, 1934. Process of producing polynaphthyl ethers by heating together, in the presence of sulfuric acid, a naphthol and an aliphatic glycol or a polyhydroxy aliphatic ether alcohol.

Pat. 1,984,713. Abietyl Esters of Sulphopropane-Diol and Process of Preparing the Same. Dec. 18, 1934. Abietic acid esters of 3-sulfo-2, 1-propane-diol and their preparation by reacting abietic acid with 1-chloro-2-propanol-3-sodium sulfonate.

Pat. 1,984,714. Sulpho-Alkyl Esters of Abietic Acids and Process of Preparing the Same. Dec. 18, 1934. Sulfo alkyl esters of abietic acids and their preparation by reacting an abietic acid or salt with a halogen alkyl sulfonic acid.

Pat. 1,986,388. Metal Polish. Jan. 1, 1935. Metal polish containing wax and a higher fatty acid dissolved in an organic solvent which is immiscible with water, and an alkaline aqueous solution containing an oxalic, acetic, tartaric, or citric acid cleaning agent and a wetting out agent.

Pat. 1,994,467. Salt of Polyhydroxy Amines With Organic Acids, and Process for Preparing Same. Mar. 19, 1935. Salts resulting from the reaction of a normal open-chain amino alcohol having a hydroxyl group on each carbon atom except the one to which the nitrogen is attached, and a carboxylic, sulfonic or sulfonated carboxylic acid.

Pat. 2,004,131. Process of Separating Alcohols. June 11, 1935. Unsaturated alcohol is separated from a mixture of saturated and unsaturated alcohols by means of liquid sulfur dioxide at a temperature at which the former is insoluble and the latter soluble, e. g., —10 to —12° C.

Pat. 2,004,874. Product and Process for Preparing Same. June 11, 1935. A soap containing an aliphatic open-chain alcohol having 8–20 carbon atoms and corresponding to a fatty acid which is contained in naturally occurring fats.

Pat. 2,006,557. Stable Emulsions. July 2, 1935. Stable emulsions useful as wetting and penetrating agents, which comprise the emulsification product of water, alkyl naphthalene sulfonate, alkali metal hydroxide, water-soluble oil obtained by sulfonation of a glyceride of a higher fatty acid, and a water-insoluble residue obtained by the hydrogenation of CO.

Pat. 2,012,610. Treatment Process. Aug. 27, 1935. Method of soaking raw silk in an oil-in-water emulsion containing a water-soluble salt of a straight chain primary alkyl sulfate of at least 8 C atoms and a straight chain primary alcohol of at least 8 C atoms.

Pat. 2,012,611. Method of Preparing Emulsions. Aug. 27, 1935. A water-in-oil emulsion containing an insoluble sulfate ester salt of a normal straight-chain primary alcohol.

Pat. 2,012,612. Method of Preparing Emulsions. Aug. 27, 1935. Use of metallic oxides, hydroxides, or salts and a normal straight-chain primary aliphatic alcohol sulfate having at least 8 C atoms in the alkyl group, e. g., n-lauryl-1-sulfuric acid, to emulsify a mixture of water and mineral oil.

Pat. 2,015,023. Sulphonation of Rosin and Its Derivatives. Sept. 17, 1935. Sulfonation of rosins or abietic acids using SO_3 in the absence of any substantial amount of H_2SO_4.

Pat. 2,021,100. Production of Hydroabietyl Alcohols. Nov. 12, 1935. Production of hydroabietyl alcohol comprising treating an ester of hydroabietic acid with an active reducing metal in the presence of an alcohol.

Pat. 2,023,473. Hydroabietoyl Chloride and Process of Preparing the Same. Dec. 10, 1935. A hydroabietoyl chloride and its preparation by reacting hydrogenated rosin or abietic acid with an inorganic acid chloride.

Pat. 2,033,125. Chemical Product. Mar. 10, 1936. An aqueous alkaline bath of mercerising strength having improved wetting penetrating and dispersing power for vegetable fibers is obtained by adding a soluble salt of an aliphatic carboxylic acid having 6–12 carbon atoms.

Pat. 2,033,819. Alkaline Wetting and Penetrating Media. Mar. 10, 1936. In the mercerizing process the wetting, penetrating and dispersing power of the aqueous alkaline medium is improved by adding an alkali metal salt of a branched chain aliphatic carboxylic acid having 6–10 carbon atoms.

Pat. 2,036,438. Cleaning, Wetting, and Emulsifying Composition. Apr. 7, 1936. Washing, cleaning, wetting and emulsifying agent comprising a water soluble soap and 2,2-penta-methylene-4-oxymethyl-dihydrodioxol, 2,2-methyl-pentamethylene-4-oxymethyl-dihydrodioxol or 2,2-dimethylpentamethylene-4-oxymethyl-dihydro-dioxol.

Pat. 2,037,718. Xanthates and Method of Making Same. Apr. 21, 1936. Substantially pure xanthates of aliphatic primary monohydric alcohols having 6–15 C atoms.

Pat. 2,046,885. Textile Material. July 7, 1936. Textile materials sized with alkyl alkacrylate polymers.

Pat. 2,046,886. Flexible Article. July 7, 1936. A flexible article which comprises a flexible base material treated with methyl methacrylate polymers.

Pat. 2,047,217. Sizes. July 14, 1936. An emulsion for sizing fibrous materials containing an aqueous solution of a deacetylated chitin, a water repellent material, a fixing agent and/or an acid-resistant wetting agent.

Pat. 2,047,225. Emulsion. July 14, 1936. Emulsions for coating and impregnating containing a water-insoluble material which is liquid under the conditions of emulsification and an aqueous solution of a salt of deacetylated chitin.

Pat. 2,056,114. Method of Finishing Fibrous Material. Sept. 29, 1936. Treatment of fibrous materials or wood and metal surfaces to produce a smooth softer finish by applying a composition containing cyclic alcohol esters of fatty acids and other high molecular weight acids. Suitable esters are borneyl and fenchyl esters of cocoanut oil and palmkernel oil fatty acids, terpineol ester of naphthenic acids, cyclohexyl ester of montanic acid.

Pat. 2,058,013. Manufacture of Amides of Higher Fatty Acids. Oct. 20, 1936. Process of making N-aliphatic amides of aliphatic monocarboxylic acids containing chains of eight or more carbon atoms which comprises

reacting aliphatic esters of the acids with an aqueous solution of an aliphatic amine in a closed reaction vessel at a temperature above 100° C.

Pat. 2,062,454. Manufacture of Essentially Dry Alkali Metal Alkyl Sulphates. Dec. 1, 1936. Process of neutralising alkyl hydrogen sulfates by reacting the sulfates with a dry alkali metal halide under anhydrous conditions with the resultant evolution of a hydrogen halide. The products are useful as detergents, etc., e. g., gardinol.

Pat. 2,070,597. Process for Producing Alcohols. Feb. 16, 1937. Process for producing alcohols which comprises treating an ester of a fatty acid with an alkali metal and a hydrogenated aromatic hydroxy compound having in the ring at least one carbon atom to which is attached one hydroxyl group and one hydrogen atom in the presence of a solvent inert towards the alkali metal.

Pat. 2,076,563. Sulphonation Products of Hydro-Abietyl Alcohol and Process of Preparing the Same. Apr. 13, 1937. Preparation of a sulfuric acid ester of hydroabietyl alcohol by reacting SO_3 with hydroabietyl alcohol in an inert organic medium.

Pat 2,080,143. Cyclohexylamine Derivatives. May 11, 1937. Quaternary ammonium compounds derived from dialkyl cyclohexylamines and alkylating agents.

Pat. 2,081,876. Diaryl Oxide Sulphonic Acids and Process for Preparing the Same. May 25, 1937. Surface active compounds of the formula:

$$R_n\left[\left[X-O-Y\right]\right]_s-(SO_3M)_s$$

X = phenyl, Y = phenyl or naphthyl, R = aliphatic or hydroaromatic of at least 3 C atoms, M = H, NH_4 or alkali metal, n = 1–5 and s = 1–3.

Pat. 2,085,163. Paper. June 29, 1937. Surface colored paper after-impregnated with deacetylated chitin.

Pat. 2,087,237. Sizing Fabric. July 20, 1937. Fibrous material sized with a low-substituted cellulose ether of a hydroxy fatty acid the ether being insoluble in caustic alkali at room temperature but soluble below —5° C.

Pat. 2,091,121. Dry Cleaning Emulsion. Aug. 24, 1937. A water-in-oil emulsion comprising a hydrocarbon dry cleaning solvent in which is dissolved a long chain aliphatic alcohol and an oil-soluble salt of the sulfuric acid ester of oleyl alcohol which has been acetylated prior to sulfonation.

Pat. 2,091,956. Sulphuric Acid Esters of Higher Glycols. Sept. 7, 1937. Sulfuric acid esters of glycols having hydroxyl groups attached to adjacent carbon atoms, and their alkali metal salts.

Pat. 2,101,217. Production of Dicarboxylic Acids and Estera Thereof. Dec. 7, 1937. Preparation of alkyl esters of dicarboxylic acids by adding a polymethylene dihalide to an alkali metal derivative of an acetoacetic acid alkyl ester and heating the reaction mixture with an aliphatic alcohol and the corresponding alkali metal alcoholate.

Pat. 2,101,323. Monoamides of Dicarboxylic Acids and Process of Preparing the Same. Dec. 7, 1937. Monoamides of dicarboxylic acids and their preparation by reacting an anhydride of a dicarboxylic acid with a long chain aliphatic amine.

Pat. 2,104,803. Process for Separating Higher Aliphatic Alcohols From Aqueous Emulsions. Jan. 11, 1938. Process for breaking an aqueous emulsion formed by diluting with water the reaction mixture obtained in the sodium-alcohol reduction of a higher fatty acid ester and which contains a higher aliphatic alcohol, a soap, caustic soda, a hydrocarbon solvent, and water, by mixing the emulsion with a hydroxylated aromatic compound of the benzene series.

Pat. 2,107,852. Sizing Fabric. Feb. 8, 1938. Fabric having an adherent water insoluble laundry-fast sizing of a low substituted lower alkyl cellulose which is water-insoluble and insoluble in dilute NaOH at room temperature but soluble below —5° C.

Pat. 2,108,133. Process for Producing High Molecular Alcohols From the Corresponding Ketones. Feb. 15, 1938. Straight chain secondary aliphatic alcohols are produced by contacting a mixture of hydrogen and a saturated straight-chain aliphatic ketone of 13 to 17 C atoms with a highly active nickel catalyst at 75° to 200° C.

Pat. 2,110,077. Phenolic Compounds. Mar. 1, 1938. Branched chain alkylated phenols prepared by heating a phenolic compound and a branched-chain alcohol of at least 7 carbon atoms in the presence of a dehydrating agent.

Pat. 2,119,159. Buffing Compounds. May 31, 1938. A buffing composition containing an abrasive, a binder and an organic amine salt of a sulfated higher aliphatic alcohol.

Pat. 2,121,616. Sulphates of Polybasic Acid Esters. June 21, 1938. An ester of a sulfato-polycarboxylic acid having less than 15 C atoms with a branched, open chain aliphatic alcohol having at least 6 C atoms.

Pat. 2,139,276. Emulsifying and Treating Agents. Dec. 6, 1938. A self emulsifying composition comprising mineral oil or wax having dissolved therein an aliphatic monohydric alcohol of at least 4 C atoms and an N-dialkyl cyclohexylamine salt of a sulfuric acid ester of a normal primary aliphatic alcohol of 10 to 18 C atoms and emulsions of the above composition.

Pat. 2,142,986. Fibrous Product. Jan. 10, 1939. Noiseless, waterproof paper prepared by impregnating the paper with an aqueous mixture of an aliphatic alcohol and a water-soluble salt of a sulfated aliphatic alcohol and then with an emulsion of a wax in aqueous deacetylated chitin.

Pat. 2,146,280. Aliphatic Aminomethane Sulphuric Acids and Their Salts. Feb. 7, 1939. Surface active aliphatic aminomethane sulfinates of the formula:

$$RR'NCH_2SO_2M$$

in which R is an aliphatic radical of four or more carbon atoms; R' represents a member of the group consisting of hydrogen and lower alkyl radicals, and M stands for a member of the group consisting of hydrogen and a salt-forming group, e. g., sodium N-isobutyl aminomethane sulfinate, are claimed.

Pat. 2,147,785. Process of Forming Sulphuric Acid Esters. Feb. 21, 1939. Preparation of sulfuric acid esters by reacting a sulfuric acid solution of an amide with a saturated aliphatic alcohol or other aliphatic compound containing olefine linkages.

Pat. 2,160,176. Treatment of Textile Materials. May 30, 1939. Making textiles water repellent with $RCONH—CH_2—N(tert)—X$, R = alkyl of at least 7 C atoms, N(tert) = molecule of a tertiary base and X = acidic radical of an organic acid.

Pat. 2,161,937. Sulphate A,A'-Dialkyl Glycerine Ethers and Process for Preparing Them. June 13, 1939. β-sulfation of α,α'-dialkyl glycerine ethers having not more than 25 C atoms per molecule at low temperatures. Some of the products, e. g., β-sulfuric acid ester of α,α'-di-(2-ethylhexyl) glycerine ether, are claimed as new products.

Pat. 2,163,651. Manufacture of Normal, Secondary Pentadecyl Sulphates. June 27, 1939. Sodium pentadecyl-8 sulfate is made by reacting pentadecanol-8 and chlorosulfonic acid in dry ethyl ether or pyridine solution, and neutralizing with aqueous NaOH.

Pat. 2,174,127. Sulphated Acyloins and Process of Producing Them. Sept. 26, 1939. Sulfated acyloins and their preparation by sulfating acyloins, e. g., capryloin, at about 0° C.

Pat. 2,174,131. Sulphated Alkoxy Cyclohexanols and Process of Producing Them. Sept. 26, 1939. Sulfated alkoxy cyclohexanols and their preparation by low temperature sulfation.

Pat. 2,178,353. High Molecular Weight Tetravalent Sulphur Compounds and Process for Their Production. Oct. 31, 1939. Production of tetravalent sulfur compounds by reacting a dialkyl sulfide with a halogenated fatty acid.

Pat. 2,183,721. Softening Agent. Dec. 19, 1939. Process of imparting an improved softened finish to a fibrous material by applying an aqueous medium containing a sulfamate of the formula H_2NSO_2X, where X=H or a salt-forming radical, and a long chain alcohol sulfate ester salt containing 8 or more C atoms.

Pat. 2,187,338. Secondary Alkyl Monosulphonates. Jan. 16, 1940. Secondary alkyl monosulfonates containing 17 carbon atoms, e. g., a 3,9-diethyl-6-tridecanesulfonate salt.

Pat. 2,187,339. Secondary Alkyl Monosulphonates. Jan. 16, 1940. Secondary alkyl monosulfonates containing 19 carbon atoms, e. g., a 5,11-diethyl-8-pentadecanesulfonate salt.

Pat. 2,190,733. Manufacture of Alkyl Substituted Aryl Sulphates. Feb. 20, 1940. Alkyl substituted aryl sulfates of the benzene and naphthalene series in which an alkyl group contains at least 8 carbon atoms and the sulfate group is directly attached to a carbon atom in the aryl nucleus.

Pat. 2,192,906. Diamides of Aliphatic Sulpho- and Sulphato-Dicarboxylic Acids and Processes of Preparing Them. Mar. 12, 1940. Diamides of aliphatic sulfo- and sulfato-dicarboxylic acids in which each amide group is derived from an open chain aliphatic amine having 4–11 carbon atoms.

Pat. 2,199,398. Process of Sulphation. May 7, 1940. A saturated aliphatic compound having at least 8 C atoms and an OH group attached to a secondary C atom is sulfated in the presence of an alkyl ester of a 1 to 8 C aliphatic monocarboxylic acid having 1 to 8 C atoms in the alkyl group. Example: pentadecanol-8 and chlorosulfonic acid in ethyl acetate give pentadecyl-8 sulfate.

Pat. 2,199,399. Sulphating Aliphatic Alcohols. May 7, 1940. An unsaturated primary aliphatic alcohol having at least 8 C atoms is sulfated in the presence of an alkyl ester of a 1 to 8 C aliphatic monocarboxylic acid having 1 to 8 C atoms in the alkyl group. Example: oleyl alcohol and chlorosulfonic acid in ethyl acetate give oleyl sulfate.

Pat. 2,199,403. Sulphates of Unsaturated Alcohols. May 7, 1940. Claims myristoleyl sodium sulfate and palmitoleyl sodium sulfate as new products.

Pat. 2,202,741. Detergent Composition. May 28, 1940. A solid detergent in bar form consisting of sodium dodecyl sulfate, sodium sulfate, and, as a binder, sodium starch glycolate.

Pat. 2,203,339. Abietyl Sulphate and Process for Its Manufacture. June 4, 1940. Abietyl sulfates and their preparation by sulfating abietyl alcohol.

Pat. 2,204,210. Preparation of Secondary Alkyl Sulphonic Acids. June 11, 1940. Preparation of secondary alkyl monosulfonic acids by oxidizing secondary dialkyl disulfides.

Pat. 2,205,037. Extrusion of Higher Alkyl Sulphate Salts. June 18, 1940. Process of neutralizing a higher aliphatic alcohol sulfuric acid ester under reduced pressure conditions with a concentrated aqueous solution of an alkali metal base in the presence of an added water-soluble diluent which is solid at room temperature, e. g., sodium sulfate.

Pat. 2,205,042. Softening of Textile Materials and Composition Therefor. June 18, 1940. Textile fibers are softened in an aqueous bath containing a small amount of a condensation product of an alkylolamine with a higher fatty acid, ester, anhydride or halide, which has been after treated with an acid.

Pat. 2,225,673. Alkyl Esters of Sulphato-Carboxylic Acids. Dec. 25, 1940. Alkyl esters of branched-chain aliphatic mono-sulfato-monocarboxylic acids in which the alkyl and the monocarboxylic acid radicals each have more than 4 carbon atoms.

Pat. 2,228,465. Coloring of Paper With Sulphur Colors. Jan. 14, 1941. Manufacturing colored cellulosic fibers which comprises suspending the fibers in water, adding to the water suspension of the fibers a solution of an alkali metal sulfide and a sufficient quantity of a reduced sulfur dyestuff to dye the fibers and make the pulp mixture basic, adding to said mixture a water-soluble salt of a metal which forms insoluble sulfides in neutral and alkaline solutions.

Pat. 2,232,485. Amidomethyl Esters. Feb. 18, 1941. A lower monobasic monocarboxylic acid ester of an N-monomethylolamide of a higher monobasic monocarboxylic acid, e. g., stearamidomethyl acetate.

Pat. 2,234,648. Process of Making Colored Paper. Mar. 11, 1941. Process which comprises consecutively wetting a surface layer of a formed article of paper fibers with a solution comprising an azo dye coupling component and a solution comprising a diazotized aryl amine, and drying, the total acid remaining on the fiber before drying being not in excess of that which produces a combined residual mixture on the fiber which is neutral to slightly acid.

Pat. 2,238,672. Textile Treatment. Apr. 15, 1941. Process for reducing the tendency of wool to shrink which comprises treating with a dispersion of an acid-neutralizing substance and an organic compound containing at least one thiol (—SH) group, e. g. cyclohexane thiol, cetane thiol, formthional, etc.

Pat. 2,244,704. Sizing of Textile Materials. June 10, 1941. Cellulosic textile materials sized with an aqueous liquid containing from about 0.5 to about 5% by weight of a water-soluble salt of an interpolymer consisting of methacrylic acid and an alkyl methacrylate having not more than four carbon atoms in the alkyl group.

Pat. 2,245,132. Treatment of Cellulosic Textiles With Long Chain Vinyl Ethers. June 10, 1941. A cellulosic textile of improved water-repellency having impregnated thereon the product obtained by baking thereon a monomeric vinyl ether of a monohydric alcohol having an open chain of at least eight carbon atoms.

Pat. 2,254,001. Textile Process. Aug. 26, 1941. Process for making cellulosic material or a textile material of wool or silk crease-resistant and, optionally, also water-repellent by impregnating with an aqueous medium containing an alkyl ether of a methylolurea, with or without an organic water-repellent, and baking the same, preferably at 140°–175° C.

Pat. 2,263,254. Fat Liquoring Process. Nov. 18, 1941. Immunizing leather against attack by micro-organisms by fat-liquoring with an aqueous emulsion containing a water-insoluble preservative, e. g. phenyl mercury oleate, dissolved in the dispersed phase.

Pat. 2,268,169. Product and Process. Dec. 30, 1941. Preparation of dialkylethenones by reacting a secondary aliphatic monoacyl chloride containing at least sixteen aliphatic carbon atoms with an aliphatic tertiary amine, the reaction and isolation of the dialkylethenone being carried out under anhydrous conditions.

Pat. 2,271,619. Process of Making Pure Soaps. Feb. 3, 1942. Process of reacting a higher fatty acid glyceride with a saturated aliphatic monohydric alcohol having less than 5 carbon atoms in the presence of a small amount of an alkali metal hydroxide under substantially anhydrous conditions.

Pat. 2,284,895. Treatment of Textiles to Impart Water-Repellence. June 2, 1942. Water-repellent fabric obtained by baking at a temperature of 80–160° C. a cellulosic fabric impregnated with an isothiocyanic acid ester of an aliphatic alcohol of at least eight carbon atoms, until the fabric becomes water-repellent.

Pat. 2,287,696. Carbonization of Cellulose Esters. June 23, 1942. Selective destruction of the cellulose ester component of a mixed fabric by treating with a polyhydroxy phenol, e. g. resorcinol.

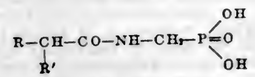
Pat. 2,292,067. Production of White Leather. Aug. 4, 1942. White leather having an improved light fastness by retanning chrome tanned leather with a condensation product of a diphenyl ether sulfonic acid and formaldehyde.

Pat. 2,293,649. Preparation of High Molecular Weight Branched Chain Acids. Aug. 18, 1942. Process for making branched chain aliphatic acids containing at least 24 carbon atoms from primary aliphatic alcohols containing at least 12 carbon atoms and at least one hydrogen atom on the carbon atom alpha to the carbinol group, by heating the alcohol with a small amount of an alkali metal. Claims also as a new product hexadecyl-2-eicosanoic acid.

Pat. 2,293,844. Process of Treating Textile Fiber. Aug. 25, 1942. Treating textile material with a carboxylic ester of a hydroxamic acid containing an aliphatic chain of at least 9 carbon atoms, and subjecting the impregnated material to the action of dry heat to increase the water-repellency.

Pat. 2,303,477. Tanning and Dyeing Leather. Dec. 1, 1942. Tanning a pickled skin incompletely in a chrome tanning bath containing a masking agent, dyeing the skin with an acid dye, completing the tanning with a chrome tanning bath containing a masking agent, and fatliquoring.

Pat. 2,304,156. Organic Compound and Process of Preparing the Same. Dec. 8, 1942. Phosphoric acids of the formula:



where r, r' is an organic radical.

Pat. 2,304,157. Process for Improving Textiles. Dec. 8, 1942. Impregnating textiles with RR'N—CH_2—$POCH_3$, R=H, lower alkyl or methylene bond to another N-substituted aminomethylenephosphoric acid and R'=organic radical containing a chain of at least 10 C atoms, no solubilizing groups and being attached to the N by —CS— or —CO—.

Pat. 2,308,841. Manufacture of Secondary Aliphatic Monoketomonosulphonates. Jan. 19, 1943. Production of a secondary aliphatic monoketomonosulfonate by agitating a solution of a bisulfite in a polar solvent with an alpha unsaturated aliphatic ketone.

Pat. 2,310,873. Quaternary Ammonium Compound. Feb. 9, 1943. Claims process for the preparation of N,N'-diquaternary ammonium compounds, and also claims hexane-bis(N-octadecylamidomethylene pyridinium chloride) as a new compound. Products are permanent water repellent agents.

Pat. 2,315,951. Condensation Products of Diaryl Ether Sulphonic Acids With Formaldehyde. Apr. 6, 1943. Claims the condensation product of diphenyl ether monosulfonic acid with formaldehyde, which is prepared by heating formaldehyde with sulfonic acid at a temperature that is low enough to avoid excessive discoloration of the condensation product, which is useful as a tanning and dispersing agent.

Pat. 2,318,036. Preparation of Surface-Active Sulphonates. May 4, 1943. Preparation of a surface-active sulfonate by agitating an unsaturated hydrocarbon, viz. acyclic or alicyclic hydrocarbons containing at least 6 carbon atoms and at least one double bond with a solution containing not more than 20% of a water-soluble bisulfite salt in a polar solvent in the presence of a catalytic amount of an oxidizing agent.

Pat. 2,323,938. Product and Synthesis Thereof. July 13, 1943. Production of β-ketocarbonamides by reacting an acyl ethenone of the formula: R—CH_2—CO—CR'=CO R and R'=monovalent aliphatic hydrocarbon radicals totalling at least nine carbon atoms, with a basic compound having a hydrogen bearing ammonia type nitrogen, e. g., ammonia or aliphatic hydrocarbon monoamines having hydrogen on amino nitrogen.

Pat. 2,326,228. Chemical Process. Aug. 10, 1943. Carboxylic acid chlorides are made from saturated aliphatic or saturated acyclic compounds by reacting them with oxalyl chloride in the presence of actinic light. Bensoyl peroxide may also be used to form the reaction. Example: toluene and oxalyl chloride give phenyl acetyl chloride.

Pat. 2,326,229. Process of Producing Carboxylic Acid Chlorides. Aug. 10, 1943. Carboxylic acid chlorides are produced by the action of oxalyl chloride on saturated aliphatic compounds or on acyclic compounds with saturated aliphatic side chains in the presence of organic peroxides. Example: phenyl acetic acid from toluene and oxalyl chloride in presence of benzoyl peroxide.

Pat. 2,326,270. Chemical Compound and Process. Aug. 10, 1943. Preparation of an alkali metal salt of the sulfuric acid ester of heptadecanol-9 by reacting heptadecanol-9 with chlorsulfonic acid in an anhydrous organic solvent and neutralizing the sulfated heptadecanol-9 with an aqueous solution of an alkali metal hydroxide.

Pat. 2,327,160. Treatment of Textile Fiber. Aug. 17, 1943. Production of a water-repellent textile fabric by treatment of the fiber with a compound of the formula:

A—CH_2—Z

A—an organic radical free from water-solubilizing groups containing an alkyl radical and being attached to the CH_2 through O, S or N. Z—a radical containing water-solubilizing groups, e. g., stearamidomethylpyridinium halide.

Pat. 2,332,817. Textile Treating Method. Oct. 26, 1943. In a process for finishing textile materials with a positively charged aqueous dispersion by a process of exhaustion, and wherein the finish exhausts at too rapid a rate to give a finish of the desired uniformity, the step which comprises retarding the rate of exhaustion by incorporating in the dilute suspension of the dispersed finish from 0.02% to 0.5% of a cationic surface active agent.

Pat. 2,335,582. Fabric and Finish. Nov. 30, 1943. A water-repellent organic textile material having incorporated the reaction residue of a copolymer of a member of the class consisting of polymerizable vinyl and vinylidene compounds with a member of the class consisting of 1-alkenyl isocyanates, aliphatic alpha, beta-unsaturated acyl isocyanates, and aliphatic alpha, beta-unsaturated acyl isothiocyanates.

Pat. 2,337,552. Purification of Saturated Hydrocarbon Sulphonic Acids. Dec. 28, 1943. Process of removing hydrocarbon impurities from an aqueous solution of a water-soluble saturated hydrocarbon sulfonate having at least 5 carbon atoms by mixing therewith in the liquid state a hydrocarbon which is solid at 20° C., allowing the mixture to stand, removing the layer of molten hydrocarbon, cooling the aqueous phase and removing the hydrocarbon which separates out in the solid state.

Pat. 2,338,829. Chemical Process and Product. Jan. 11, 1944. Preparation of sulfurized hydrocarbons having the molecular formula, $C_8H_{2n}S_n$, in which n is an integer greater than 5 by bringing an open-chain monoolefine hydrocarbon of at least 6 carbon atoms and having at least one hydrogen on each double bonded carbon atom into contact with about 3 atomic proportions of sulfur for each mole of monoolefine hydrocarbon, and heating the mixture

to between 100 and 200° C. Products are intermediates for conversion by oxidation to surface active sulfonic acids.

Pat. 2,338,830. Chemical Process and Product. Jan. 11, 1944. Surface-active hydroxy sulfonic acids containing not more than one sulfonic acid group and process for their preparation by oxidizing a monomeric polysulfide of the formula: $C_nH_{2n}S_5$ in which $n>5$ by means of nitric acid of at least 70% concentration.

Pat. 2,343,095. Resin Dispersion Useful in the Textile and Paper Industries. Feb. 29, 1944. A process of finishing textile fibers by exhausting thereon a highly dispersed polymerized vinyl compound from a dilute aqueous suspension of the same having a pH of from 4.0 to 7.5 the vinyl compound having been rendered substantive to the fiber by being dispersed in aqueous medium with a cationic surface active agent prior to dilution in the treating bath.

Pat. 2,343,920. Textile Treatment Process. Mar. 14, 1944. Textile of improved water repellence having impregnated therein the amide reaction product, formed in situ, of a monofunctional acylating agent, e. g., an ethenone, with a water insoluble non-tertiary mono or diamine of at least 10 C atoms.

Pat. 2,358,234. Hydrogenation Process. Sept. 12, 1934. Production of high molecular alcohols by reducing hydroabietic acid with hydrogen in the presence of a hydrogenating catalyst at 300 to 400° C. and 10 atmospheres pressure.

Pat. 2,358,871. Textile Treatment. Sept. 26, 1944. Process of increasing the resistance of a textile which comprises impregnating with a dispersion of a preformed lower monobasic monocarboxylic acid ester of an N-monomethylolamide of a monobasic monocarboxylic acid of at least eight carbon atoms and baking.

Pat. 2,360,844. Preparation of Detergents. Oct. 24, 1944. Production of soap by reacting a crude glyceride with an alkanol of not more than 4 C atoms under anhydrous conditions in the presence of sufficient alkali metal base to neutralize the free acids in the glyceride and to maintain the solution alkaline to Clayton yellow, adding an acid in sufficient amount to decompose the soaps formed, separating the glycerine, recovering the monoalkyl esters of the fatty acids contained in the glycerides, treating the esters with aqueous caustic soda and spray drying the resulting solution.

Pat. 2,361,270. Treatment of Textile Fiber With Water Repellency Agents. Oct. 24, 1944. Simultaneously treating textiles with water-repellency agents and vinyl polymers or copolymers.

Pat. 2,362,886. Disulphonamides Having Quaternary Ammonium Salt. Nov. 14, 1944. Ethane-1,2-bis-(N-octadecylsulfonamidomethyl-pyridinium chloride) useful for making fabrics water repellent.

Pat. 2,364,737. Ethers. Dec. 12, 1944. Process of reacting a compound containing a plurality of N-methylolcarbonamido groups joined to a hydrocarbon radical with a primary or secondary alcohol of 1 to 5 C atoms between 0 and 40° C. in the presence of an acid catalyst having a dissociation constant of at least 1×10^{-2}. Example: dimethylol adipamide + methanol + HCl + N,N'-bis(methoxymethyl) adipamide. Also claims the products which are useful molding and coating compositions and in finishing textiles.

Pat. 2,369,919. Ketoethenones and Process Therefor. Feb. 20, 1945. Preparation of octadecanoyl-hexadecylethenone by reacting decanoyl chloride with triethylamine in an anhydrous solvent under anhydrous conditions. Also claims the product, which is useful as an intermediate for dyes and other chemicals, and as a waterproofing agent.

Pat. 2,374,236. Surface Active Aldoside Condensation Products. Apr. 24, 1945. Preparation of a water-soluble, surface active condensation product by heating to 100–250° C., in the presence of a catalyst, a water-soluble aldose or -aldoside with a polyhydric alcohol of at least 2 C atoms having attached to the hydroxylated C atom via —O—, —S—, —CONH—, —CONalkyl—, —COO—, —Nalkyl—, —NH—, —CH_2—, —SO_2NH—, —SO_2N-alkyl—, or —SO_2O—, a 6–40 C atom acyclic radical.

Pat. 2,374,648. Condensation Products of N, N'-Bis (Alkoxymethyl) Urea and Processes for Their Production. May 1, 1945. Preparation of water-soluble surface-active condensation products by reacting N,N'-bis(alkoxymethyl) urea with a glycol and a monosulfonamide of a straight chain 13 to 20 C hydrocarbon. The products are useful as dyeing assistants.

Pat. 2,387,510. Unified Process for Treating Wool. Oct. 23, 1945. A process which comprises the steps of impregnating the loose wool with a substantially neutral and soap-free composite reagent consisting chiefly of saturated petroleum hydrocarbons and the sulfonates of saturated petroleum hydrocarbons, subjecting the wool to carding, spinning, and weaving; adding water to the fabric and fulling the same under substantially neutral conditions without soap, and finally scouring.

Pat. 2,391,942. Method of Treating Cellulosic Textile Materials. Jan. 1, 1946. A process to render the materials receptive to chrome and acid dyes while retaining their affinity for direct dyes which comprises impregnating the material with an aqueous solution of pH between 1.6 and 3.0 and which contains from 3 to 15% by weight of formaldehyde, from 0.05 to 2% of an acidic catalyst, and from 3 to 30% of a water-soluble salt of a water-soluble tertiary hydroxy-alkylamine, substantially drying the impregnated material, and thereafter heating the same at a temperature of 70° C. to 200° C.

Pat. 2,394,902. Preparation of Substituted Sulphonamides. Feb. 12, 1946. A hydrocarbon sulfon-N-chloramide of the formula: $R(SO_2NYCl)_n$, R=alkyl or cycloalkyl, Y=Cl or alkyl, and n=an integer. These compounds are a source of nascent chlorine, and hence useful as bleaching agents.

Pat. 2,398,492. Process for Refining Fats. Apr. 16, 1946. Process for refining a low-grade fat by esterifying the free acid components thereof with dimethyl, methyl ethyl or diethyl sulfate in the presence of an acid absorbing agent in quantity sufficient to neutralize the mineral acid liberated by the esterification process.

Pat. 2,402,351. Water Repellent Composition and the Process of Preparing the Same. June 18, 1946. A water-repellency composition comprising a stable aqueous emulsion of a wax comprising paraffin wax, normal or basic aluminum acetate of formate and a modified protective colloid.

Pat. 2,402,587. Chemical Processes. June 25, 1946. Surface active agents are made by sulfurizing a monoolefinic hydrocarbon having at least 6 C atoms, hydrogenating, and oxidizing to the sulfonic acid. Example: pentadecene-7→pentadecane-7,8 - dithiol→pentadecane-7,8 -disulfonic acid.

Pat. 2,406,958. Chemically Modified Wool. Sept. 3, 1946. A process which comprises reacting wool in an anhydrous inert medium with from 1 to 64 gram molecular weights, per 2060 grams of wool, of a monomeric unsaturated compound having a terminal methylene group linked by an ethylenic double bond to carbon, the double bond being conjugated through carbon atoms with another multiple bond in the molecule, e. g., styrene and in the presence of from 21.6 to 126.9 parts of iodine.

Pat. 2,416,447. Weather Resistant Flameproof Paper. Feb. 25, 1947. A parchment paper containing, uniformly distributed throughout, 5–20% by weight of antimony oxide and 5–25% of a chlorine-containing, water-insoluble, organic compound of the group adapted to liberate hydrogen chloride at the kindling temperature of the paper.

Patents Relating to Petroleum Chemicals

Pat. 1,884,640. Method of Inhibiting the Oxidation and Hydration of Lead Alloys. Oct. 25, 1932. Oxidation and hydration of hot lead sodium alloy is inhibited by keeping the alloy in an atmosphere of vapors of a mineral oil having a flash point above 300° C.

Pat. 1,907,701. Process of Producing Tetra Alkyl Lead. May 9, 1933. Recovery of tetraalkyl lead from metallic lead sludge by distilling in the presence of water at a temperature above that at which the tetraalkyl lead will decompose in the absence of water at atmospheric pressure.

Pat. 1,920,246. Preparation of Alkyl Halides. Aug. 1, 1933. Production of alkyl halides by reacting a monohydroxy alcohol with hydrogen halide in the presence of a solid dehydrating metal oxide.

Pat. 1,920,846. Preparation of Alkyl Halides. Aug. 1, 1933. Production of alkyl halides by passing an alkyl ether and a hydrogen halide over an inorganic oxygen containing compound of a metal of Group III or IV of the periodic table.

Pat. 1,933,704. Rendering Fibrous Material Impervious to Tetra Alkyl Lead. Nov. 7, 1933. Process of rendering articles of clothing impervious to tetra alkyl lead compounds by saturating them with a composition consisting of sodium soap, glycerin, and ethyl alcohol.

Pat. 1,939,659. Gum Inhibitor for Hydrocarbons. Dec. 19, 1933. Gasoline containing a gum-inhibiting amount of a diaryl guanidine salt of a fatty acid.

Pat. 1,940,445. Gum Inhibitor for Gasoline. Dec. 19, 1933. A cracked gasoline containing a small proportion of an aliphatic polybutyl amine or an amylamine as a color and gum formation inhibitor.

Pat. 1,944,167. Alloy for Use in the Manufacture of Tetraethyl Lead. Jan. 23, 1934. Composition for use in making alkyl lead compounds comprising the product obtained by melting together 10 parts sodium, 90 parts lead and 0.01 part $AlCl_3$ or $FeCl_3$.

Pat. 1,945,521. Motor Fuel Stabilization. Feb. 6, 1934. Cracked gasoline stabilized against gum formation with a xylenol having at least one methyl group in o- or p-position.

Pat. 1,957,134. Stabilized Motor Fuel. May 1, 1934. Cracked gasoline to which has been added a gum-inhibiting amount of p-hydroxy-anilido-acetonitrile or its alkyl or aralkyl substituted derivatives.

Pat. 1,962,173. Manufacture of Tetraethyl Lead. June 12, 1934. Production of tetraethyl lead by reacting under pressure ethyl chloride and an alloy of (1) Pb, (2) Na, and (3) $AlCl_3$ or $FeCl_3$.

Pat. 1,962,435. Gum Inhibitor for Cracked Hydrocarbons. June 12, 1934. Cracked gasoline containing a gum-inhibiting amount of a p-hydroxy-phenyl-glycine.

Pat. 1,971,329. Gum Inhibitor. Aug. 28, 1934. Gasoline comprising cracked hydrocarbon spirits containing a gum-inhibiting amount of a tolulene-di-amine.

Pat. 1,972,760. Gum Inhibitor for Hydrocarbon Fuels. Sept. 4, 1934. A motor fuel comprising cracked gasoline containing a small amount of a diaryl guanidine as a gum-inhibitor.

Pat. 1,975,171. Process of Purifying Tetra Alkyl Lead. Oct. 2, 1934. Removal of suspended matter from tetraalkyl lead by agitating with an aqueous solution of a wetting and detersive compound, e. g., trisodium phosphate, allowing to settle and drawing off purified tetraalkyl lead.

Pat. 1,979,254. Lead-Sodium Alloy. Nov. 6, 1934. Composition comprising sodium, lead and magnesium for use in making tetraethyl lead.

Pat. 1,980,200. Motor Fuel. Nov. 13, 1934. A motor fuel comprising cracked hydrocarbon distillates containing a gum-inhibiting amount of an alkyl or aralkyl benzyl amino phenol.

Pat. 1,980,201. Motor Fuel. Nov. 13, 1934. A motor fuel comprising cracked gasoline containing a gum-inhibiting amount of a benzylidene aminophenol.

Pat. 1,983,535. Process of Producing Tetra Alkyl Lead. Dec. 11, 1934. Production of tetraalkyl lead from alkyl chloride and lead monosodium alloy in which the alloy is first reacted with a small amount of alkylchloride and then enough alkylchloride is added to complete the reaction.

Pat. 1,983,542. Preparation of Alkyl Halides. Dec. 11, 1934. Production of an alkyl halide from an alkanol and a hydrogen halide in the presence of a solution of a metal halide catalyst maintained at reaction temperature and having a concentration below equilibrium concentration at the temperature used.

Pat. 1,999,830. Stabilizing Motor Fuels. Apr. 30, 1935. Cracked gasoline containing a gum-inhibiting amount of an alkoxy substituted dihydroxy benzene, e. g. a pyrogallol mono-methyl ether.

Pat. 2,000,069. Preparation of Lead Alkyls. May 7, 1935. Production of lead alkyls from an alkyl halide and a composition comprising sodium, lead and magnesium.

Pat. 2,000,283. Motor Fuel. May 7, 1935. Cracked gasoline containing a gum-inhibiting amount of a hydroxy aromatic amine having one hydrogen of the amine group replaced by a cyclohexyl radical.

Pat. 2,004,160. Tetra Alkyl Lead. June 11, 1935. Recovery of tetraalkyl lead from a lead sludge containing it by adding a dispersing agent, distilling off most of the tetraalkyl lead, adding a wetting agent to the undistilled sludge and continuing the distillation.

Pat. 2,009,818. Fuel. July 30, 1935. A compression ignition fuel comprising an oil boiling above the gasoline range containing dialkyl or alkylene nitroso amines as ignition accelerators.

Pat. 2,014,200. Stabilization of Motor Fuels. Sept. 10, 1935. Cracked gasoline containing a gum-inhibiting amount of 2:3:4:5-tetra-alkyl-1-hydroxy or 2:3:5:6-tetraalkyl-1-hydroxy benzene.

Pat. 2,016,072. Production of Alkyl Halides. Oct. 1, 1935. Continuous process for the production of alkyl halides containing 2–4 C atoms by continuously absorbing an olefine hydrocarbon having 2–4 C atoms in sulfuric acid, bringing the resultant product together with an aqueous solution of a hydrogen halide in a reaction zone at a temperature over 100° C.

Pat. 2,016,075. Organic Halides. Oct. 10, 1935. Production of alkyl halides by reacting an alkanol of less than 4 C atoms with a hydrohalide at above the boiling point of the alcohol in the presence of a bismuth halide catalyst.

Pat. 2,025,192. Stabilization of Mineral Hydrocarbon Products. Dec. 24, 1935. Cracked gasoline containing a gum-inhibiting amount of a dihydroxy naphthalene.

Pat. 2,029,091. Process of Preparing Tetra Alkyl Lead.

Pat. 2,091,114. Process of Making Tetra-Alkyl Lead.

Pat. 2,161,615. Lubricant. June 6, 1939. Lubricating

Pat. 2,226,160. Color Stabilizer for Mineral Oils. Dec. 24, 1940. A viscous petroleum oil normally tending to

claims the product, which is useful as an intermediate for dyes and other chemicals, and as a waterproofing agent.

linked by an ethylenic double bond to carbon, the double bond being conjugated through carbon atoms with another multiple bond in the molecule, e. g., styrene and in the presence of from 21.6 to 126.9 parts of iodine.

Pat. 2,029,091. Process of Preparing Tetra Alkyl Lead. Feb. 4, 1936. Production of tetraalkyl lead from an organic halide and a lead monosodium alloy in the form of small dust-free particles of uniform size.

Pat. 2,038,703. Recovery of Alkyl Lead Compounds From Their Reaction Masses. Apr. 28, 1936. Recovery of tetraalkyl lead from a reaction mass containing unreacted lead sodium alloy comprising distilling in the presence of sufficient acid to adjust the pH to not below 7.

Pat. 2,038,704. Recovery of Alkyl Lead Compounds. Apr. 28, 1936. Recovery of tetraalkyl lead from a reaction mass containing unreacted lead sodium alloy comprising adding water, steam distilling to remove tetraalkyl lead, acidifying the distillation residue and redistilling with steam.

Pat. 2,043,224. Production of Alkylated Lead. June 9, 1936. Apparatus for the production of lead-sodium alloy.

Pat. 2,047,391. Machine and Method for Making Solid Comminuted Material. July 14, 1936. Production of comminuted solid material of the character of lead-sodium alloy comprising depositing a molten mass of such material on a surface sufficiently cold to quickly solidify the molten material and immediately removing and comminuting the cooled material.

Pat. 2,053,466. Motor Fuel. Sept. 8, 1936. Treatment of motor fuel mixtures containing cracked gasoline to make them light stable and inhibit gum formation by adding a small amount of an aliphatic-amine salt of a hydroxy-aryl compound.

Pat. 2,061,267. Preparation of Lead-Sodium-Magnesium Alloys. Nov. 17, 1936. Preparation of a lead-sodium alloy containing .05–1% magnesium.

Pat. 2,065,568. Gum Inhibitor for Hydrocarbon Fuels. Dec. 29, 1936. Cracked gasoline containing a gum-inhibiting amount of a condensed aromatic ring hydrocarbon substituted by primary amino and hydroxy groups e. g. 1-amino-2-naphthol.

Pat. 2,066,173. Lubricant. Dec. 29, 1936. Lubricant assistant comprising 1–5 parts of a nitro aromatic compound and 0.3–2 parts of an aromatic or aliphatic amine.

Pat. 2,071,064. Stabilization of Motor Fuels. Feb. 16, 1937. Cracked gasoline containing a gum-inhibiting amount of a hydroxy N-aryl morpholine.

Pat. 2,074,288. Fluorescent Hydrocarbon Oils. Mar. 16, 1937. Hydrocarbon oils and hydrocarbon type solvents containing a fluorescent color component obtained by heating anthraquinone, bensanthrone or anthanthrone or their methyl or halogen derivatives with iron, zinc, tin, nickel or lead under conditions which prevent the escape of any of the products.

Pat. 2,076,581. Method of Refining Gasoline. Apr. 13, 1937. Cracked gasoline is refined by contacting with anhydrous HF in an amount sufficient to polymerize the less stable constituents to remove these color-forming and gum-forming constituents.

Pat. 2,088,441. Separation of Mixtures of Hydrocarbons. July 27, 1937. Non-paraffinic compounds are separated from paraffinic compounds by extracting the hydrocarbon mixture with a furfurylamine.

Pat. 2,091,112. Process of Making Tetra-Alkyl Lead. Aug. 24, 1937. Production of tetraethyl lead from ethylchloride and lead-sodium alloy under pressure above the normal boiling point of ethylchloride in which ethylchloride vapors evolved from the reaction are condensed, stored and reused, all in a closed circuit.

Pat. 2,091,114. Process of Making Tetra-Alkyl Lead. Aug. 24, 1937. Production of alkylated lead from an alkyl halide and a lead-alkali metal alloy under pressure and at a temperature above the normal boiling point of the alkyl halide.

Pat. 2,091,801. Temperature Control. Aug. 31, 1937. System for temperature control to keep a product molten, e. g., during the production of lead sodium alloy for use in making tetraethyl lead.

Pat. 2,091,986. Production of Lower Alkyl Chlorides. Sept. 7, 1937. Production of alkyl chlorides by feeding the corresponding alkanol in vapor phase with HCl, formed from sodium chloride and sulfuric acid, to an aqueous solution of a metal halide catalyst.

Pat. 2,094,097. Lubricants. Sept. 28, 1937. Oils and greases containing a nitro aryl thiocyanate, nitro aryl sulfide or nitro aryl mercaptan.

Pat. 2,104,796. Lubricating Oil and Process for Improving Same. Jan. 11, 1938. A lubricant comprising a lubricating oil containing as sludge inhibitor a small amount of a compound having a molecular weight of at least 800 and being an oil-soluble polymerized acrylic ester of an amino alcohol or an oil-soluble long-chain fatty acid salt of a polymerized acrylic acid ester of an amino alcohol.

Pat. 2,107,147. Gum Inhibitors for Gasoline. Feb. 1, 1938. Cracked gasoline containing a gum-inhibiting amount of a secondary di-aromatic amine containing at least one hydroxy or alkoxy substituent.

Pat. 2,109,005. Preparation of Lead-Sodium Alloys. Feb. 22, 1938. Production of a lead sodium alloy of small uniform crystal size.

Pat. 2,111,769. Lubricating Compositions. Mar. 22, 1938. Lubricating oil comprising a viscous petroleum hydrocarbon fraction containing a high molecular weight ether condensation product as pour-point depressant.

Pat. 2,121,611. Naphthenyl Esters of Phosphorous Acids. June 21, 1938. Naphthenyl esters of a phosphorous acid, e. g., trinaphthenyl trithiophosphite, which are useful as lubricant additives.

Pat. 2,128,075. Motor Fuel Stabilization. Aug. 23, 1938. Production of a gum and color stable motor fuel by adding a small amount of ortho- or para-amino-phenol and distilling.

Pat. 2,132,847. Lubricating Oil. Oct. 11, 1938. A lubricant comprising a lubricating oil containing a minor proportion of unvulcanized rubber which has been plasticized by means of a peptizing agent to improve the viscosity-temperature relationship.

Pat. 2,134,091. Apparatus for the Solidifying or Casting of Molten Materials. Oct. 25, 1938. Apparatus for the solidifying or casting of molten materials such as lead-sodium alloy.

Pat. 2,143,142. Lubricant. Jan. 10, 1939. Lubricants comprising lubricating oils containing hydroxylated acetals obtainable by reacting polyhydric alcohols with aliphatic aldehydes or ketones having at least six carbon atoms.

Pat. 2,150,156. Lubricating Oil. Mar. 14, 1939. Lubricant comprising a petroleum lubricating oil containing a small amount of the product of the reaction of hydrogenated castor oil with a neutral alcohol, aldehyde, isocyanate or isothiocyanate having at least six carbon atoms to reduce the pour point.

Pat. 2,158,096. Lubricant. May 16, 1939. High pressure lubricant comprising a lubricating oil or grease containing a small amount of an aliphatic acid-ester of a dibasic organic acid, the aliphatic radical containing at least 6 carbon atoms, e. g., octyl acid phthalate.

Sept. 4, 1934. A motor fuel comprising cracked gasoline containing a small amount of a diaryl guanidine as a gum-inhibitor.

Pat. 2,025,192. Stabilization of Mineral Hydrocarbon Products. Dec. 24, 1935. Cracked gasoline containing a gum-inhibiting amount of a dihydroxy naphthalene.

Pat. 2,161,615. Lubricant. June 6, 1939. Lubricating oil containing a small amount of a long chain ester of a mono-substituted carbamic acid, e. g., N-phenyl dodecyl carbamate.

Pat. 2,161,625. Chemical Process. June 6, 1939. Solvent extraction of hydrocarbons using an acetylenic alcohol.

Pat. 2,167,064. Lubricant. July 25, 1939. Lubricating oil containing a polymerized aliphatic hydrocarbon product having a molecular weight of at least 800 and a hydrogenated condensed ring compound devoid of acidic substituents to improve the viscosity index.

Pat. 2,167,867. Lubricant. Aug. 1, 1939. Lubricating oil for silver-cadmium bearings containing an organic ester of a phosphoric acid as corrosion inhibitor.

Pat. 2,170,353. Combination Valve and Enclosure Plate for High Pressure Reaction Vessels. Aug. 22, 1939. Piston valve for high pressure reaction vessels.

Pat. 2,178,610. Lubricant. Nov. 7, 1939. A lubricant comprising a lubricating oil having incorporated therein an ester of an acid of phosphorus containing at least one naphthenyl radical.

Pat. 2,181,121. Stabilization of Organic Substances. Nov. 28, 1939. Catalytic oxidation of organic substances in the presence of copper is inhibited by the presence of stabilizers of the type:

HO—A—CH=N—R—N=CH—A—OH

A=mononuclear aromatic group of the benzene series, OH is ortho to the —CH=N— group, and R=aliphatic or cyclo-aliphatic.

Pat. 2,181,122. Stabilization of Organic Substances. Nov. 28, 1939. Method of inhibiting the catalytic oxidation of an organic substance caused by copper or its compounds by incorporating a small amount of a copper deactivator of the formula:

HO—A—CH=N—R—N=CH—A—OH

where A=aromatic ring or unsaturated 5 or 6 membered heterocyclic ring whose hetero atom is N, the OH being attached to a ring C ortho to the —CH=N— group, and R—aromatic or cycloaliphatic having 6 C atom ring or a heterocyclic 6 membered ring, in which N is hetero atom.

Pat. 2,188,531. Separation of Mixtures of Hydrocarbons. Jan. 30, 1940. Non-paraffinic compounds are separated from paraffinic compounds by extracting the hydrocarbon mixture with a furonitrile.

Pat. 2,197,851. Motor Fuel. Apr. 23, 1940. Motor fuel containing a minor amount of an N-substituted organic sulfonamide which, except for the SO_2—N, consists of carbon and hydrogen and has a high solvent power for kauri gum.

Pat. 2.198,961. Lubricant. Apr. 30, 1940. Viscous hydrocarbon oil containing a small amount of a substituted pyridine or quinoline, e. g., 4-(beta-piperidyethyl)-quinoline, to inhibit corrosion and sludge formation.

Pat. 2,215,956. Lubrication of Steam Cylinders. Sept. 24, 1940. Lubrication of steam cylinders using a mineral oil lubricant which is free of saponifiable oils and contains a small amount of a neutral aromatic ester of an acid of phosphorus.

Pat. 2,221,846. Solvent Refining of Motor Fuels. Nov. 19, 1940. Solvent extraction of motor fuels using a dialkoxyalkyl phthalate in which each alkoxyalkyl group contains only three to four carbon atoms.

Pat. 2,224,904. Coloring of Petroleum Distillates. Dec. 17, 1940. Gasoline colored with a monoazo compound having a reddish to bluish-red shade with a bronzy fluorescence.

Pat. 2,226,160. Color Stabilizer for Mineral Oils. Dec. 24, 1940. A viscous petroleum oil normally tending to deteriorate in color having incorporated therein a small proportion of a dicyclohexylamine having at least one hydroxymethyl group bonded directly to an aliphatic carbon atom attached directly to the amino nitrogen, the amine being otherwise free of acid reacting and basic reacting substituents.

Pat. 2,230,371. Stabilization of Organic Substances. Feb. 4, 1941. Method of inhibiting the catalytic deterioration of an organic substance caused by a member of the group consisting of copper and its compounds in the presence of oxygen by incorporating in the organic substance a small proportion of a phosphorus compound selected from the class of organic monophosphonic acids and organic dihydroxyphosphines, e. g., methane phosphonic acid or ethyl dihydroxyphosphine.

Pat. 2,236,168. Lubricant. Mar. 25, 1941. Claims a lubricant comprising a major proportion of a viscous petroleum oil and a small proportion of an oil-soluble organic sulfonamide, which except for one to two

$$-SO_2N\diagdown\diagup$$

groups, consists of carbon and hydrogen, e. g., N,N'-di (p-toluene sulfonyl) piperazine, N,N'-di-(p-toluene sulfonyl)-1,2-ethane diamine.

Pat. 2,243,198. Fuel Oil. May 27, 1941. Non-viscous hydrocarbon fuel oil containing a small amount of the product of the reaction of hydrogenated castor oil with an alcohol, aldehyde, isocyanate or isothiocyanate to decrease the pour point.

Pat. 2,254,124. Organic Compound of Quinquivalent Phosphorus. Aug. 26, 1941. Tertiary alpha-hydroxy-phosphonates useful as metal deactivators for motor fuels and as detergents and wetting agents.

Pat. 2,255,597. Stabilization of Organic Substances. Sept. 9, 1941. Method of inhibiting the catalytic deterioration of an organic substance normally caused by copper and its compounds in the presence of oxygen by incorporating in the organic substance a small proportion of di-(2-hydroxy-5-methyl-acetophenone) ethylene diamine.

Pat. 2,263,618. Lubrication. Nov. 25, 1941. Claims high pressure lubricants comprising lubricating oils and greases having incorporated therein an organic ester of a thiophosphorous acid.

Pat. 2,276,031. Preparation of Lead-Sodium Alloys. Mar. 10, 1942. Claims preparation of mono sodium lead alloy by adding simultaneously to 15–60% of the lead at 307–425° C. the sodium and remaining lead in the ratio of 1 : 7.65–3.6.

Pat. 2,279,560. Viscous Hydrocarbon Oil. Apr. 14, 1942. Claims a composition comprising a major proportion of a viscous hydrocarbon oil having incorporated therein a small proportion of organic sulfonhydroxamic acids and its carboxylic acid esters and ethers or carboxylic acid esters and ethers of organic hydroxamic acids.

Pat. 2,279,561. Stabilization of Viscous Petroleum Oils. Apr. 14, 1942. A condensation product of an aliphatic polyamine and an aliphatic aldehyde is added to a viscous petroleum oil to inhibit deterioration in color.

Pat. 2,282,513. Stabilization of Viscous Petroleum Oils. May 12, 1942. Claims a viscous petroleum oil normally subject to deterioration in color having incorporated therein a Schiff's base, obtained by condensing an aliphatic polyamine with an aldehyde.

Pat. 2,282,710. Stabilization of Petroleum Hydrocarbons. May 12, 1942. Petroleum hydrocarbons containing a small amount of an organic compound having an amino

Aug. 24, 1937. Production of tetraethyl lead from ethylchloride and lead-sodium alloy under pressure above the normal boiling point of ethylchloride in which ethylchloride vapors evolved from the reaction are condensed, stored and reused, all in a closed circuit.

Pat. 2,158,096. Lubricant. May 16, 1939. High pressure lubricant comprising a lubricating oil or grease containing a small amount of an aliphatic acid-ester of a dibasic organic acid, the aliphatic radical containing at least 6 carbon atoms, e. g., octyl acid phthalate.

Pat. 2,224,904. Coloring of Petroleum Distillates. Dec. 17, 1940. Gasoline colored with a monoazo compound having a reddish to bluish-red shade with a bronzy fluorescence.

Pat. 2,282,710. Stabilization of Petroleum Hydrocarbons. May 12, 1942. Petroleum hydrocarbons containing a small amount of an organic compound having an amino

nitrogen atom and a divalent sulfur atom, each singly bonded to adjacent aliphatic carbon atoms, the second valence of the sulfur being satisfied by hydrogen or an aliphatic radical, e. g., bis(beta-aminoethyl)sulfide.

Pat. 2,284,267. Stabilization of Nonviscous Cracked Petroleum Distillates. May 26, 1942. Schiff's bases, of the type obtained by condensing 1 mole of an aliphatic polyamine containing at least two primary amino groups directly attached to different carbon atoms of the same open chain with at least 2 moles of an o-hydroxy substituted aromatic aldehyde so that not more than one mole of aldehyde reacts for each primary amino group of the amine, are used as vanadium deactivators in gasoline.

Pat. 2,285,853. Lubrication. June 9, 1942. A lubricant for metallic bearing surfaces consisting of a major proportion of a petroleum lubricating oil and a minor amount of an acid ester of a sulfur-free acid of phosphorus, e. g., dilauryl phosphate, dicresyl phosphate.

Pat. 2,285,854. Lubrication. June 9, 1942. A lubricant for metallic bearing surfaces consisting of a major proportion of a mineral lubricating oil and a minor amount of an aliphatic ester of a sulfur-free acid of phosphorus e. g., dilauryl phosphate.

Pat. 2,285,855. Lubrication. June 9, 1942. A lubricant for metallic bearing surfaces comprising a major proportion of a petroleum lubricating oil and a minor proportion of an organic ester of a phosphorous acid, e. g., trilorol phosphite, triphenyl phosphite.

Pat. 2,287,639. Lubricant Composition Comprising Organic Sulphonamides. June 23, 1942. A lubricant composition comprising an aqueous carrying medium containing from 10% to 80% of a sulfonamide having an organic radical attached to the sulfur atoms, e. g. cetane sulfonamide, propane sulfonamide, cyclohexane sulfonamide.

Pat. 2,291,214. Stabilization of Oils. July 28, 1942. An undissolved oil-insoluble, water-insoluble, dilute-alkali-insoluble, film-forming, basic amine resin is used to inhibit deterioration of petroleum oils.

Pat. 2,294,804. Extreme Pressure Lubricant. Sept. 1, 1942. A lubricant for metallic bearing surfaces comprising a major proportion of a mineral lubricating oil and a minor proportion of an aliphatic ester of phosphorous acid in which each aliphatic group contains from 1 to 5 carbon atoms.

Pat. 2,294,817. Extreme Pressure Lubricant. Sept. 1, 1942. A lubricant for metallic bearing surfaces comprising a major proportion of lubricating oil and a minor proportion of a member of the group consisting of reaction products of fatty oils and oxides of phosphorus, organic esters of the acids of arsenic, selenium and tellurium, oxides, sulfides and selenides of phosphorus and arsenic, oxides and sulfides of selenium and oxides of tellurium.

Pat. 2,304,623. Reaction of Ethylenimines With Thiols and Product Thereof. Dec. 8, 1942. Preparation of beta-aminoethyl sulfides which are useful as anti-corrosion and anti-sludge agents for lubricants.

Pat. 2,312,082. Color Stabilizer for Oils. Feb. 23, 1943. A viscous petroleum oil normally tending to deteriorate in color having incorporated therein a small proportion, sufficient to materially inhibit such deterioration, of a diester of an N,N-ethylene-di(beta-amino-crotonic) acid which, except for the N of the amino groups and the O of the ester groups, consists of carbon and hydrogen.

Pat. 2,325,727. Dihydroisobensofurans and Process of Preparing Them. Aug. 3, 1943. 1,3-Diaryl-4,7-dihydroisobensofurans are prepared by Diels-Alder condensation of butadienes with diaroyl ethylenes, followed by furan ring closure of the substituted cyclohexenes. Products are intermediates for lube oil fluorescent agents.

Pat. 2,336,070. Lubricating Oil. Dec. 7, 1943. A lubricant containing as a sludge dispersant an acylated polyamine in which each acyl group is derived from naphthenic acid.

Pat. 2,336,596. Stabilization of Organic Substances. Dec. 14, 1948. o-Hydroxy aromatic oxime compounds free of strongly acidic groups are metal deactivators. Example: 2-hydroxy-5-chloro-bensaldoxime.

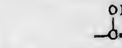
Pat. 2,338,578. Heating Fuel Oil. Jan. 4, 1944. The combustion characteristics of liquid heating fuel oil are improved by the addition of oil-soluble compounds of chromium.

Pat. 2,341,850. Organic Compound. Feb. 15, 1944. 4,5-Diaroylcyclohexenes-1,2 useful as intermediates in the production of 1,3-diaryl-4,7-dihydro-isobensfurans, are prepared by condensing butadiene and 1,2 diaroylethylenes.

Pat. 2,341,851. Organic Compound. Feb. 15, 1944. o-Diaroylbenzenes are prepared by brominating 1,3-diaryl-4,7-dihydro isobenzofurans and then dehydrobrominating. By conversion of the o-diaroylbenzenes to 1,3-diarylisobenzofurans, products of particular value as oil fluorescent colors are obtained.

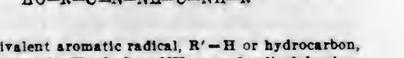
Pat. 2,343,756. Lubricant. Mar. 7, 1944. A stable lubricant comprising a lubricating oil having dissolved therein 50–500 parts per million of copper in the form of an oil-soluble compound, e. g. copper naphthenate, and 0.1%–0.5% of sulfur in the form of an oil-soluble sulfur compound, e. g. sulfurized dehydrated "Ocenol."

Pat. 2,346,665. Acid. Apr. 18, 1944. Claims an organic dihydroxamic acid wherein the two hydroxamid acid



groups are separated by a carbon containing chain of at least 4 C atoms which may be interrupted by —O—, —S—, or tertiary amino nitrogen. Products are useful in the synthesis of polymethylene diisocyanates, in the synthesis of polyamides and as metal deactivators. Examples: sebacodihydroxamic acid.

Pat. 2,353,690. Stabilization of Organic Substances. July 18, 1944. Composition comprising an organic substance normally subject to oxidation containing Cr, Fe, Co, Cu or Mn or their compounds and a metal deactivator of the formula:



R—an o-divalent aromatic radical, R'—H or hydrocarbon, R''—H or organic, X—O, S or NH, e. g., 1-salicylalaminoguanidine.

Pat. 2,356,661. Lubricating Oil. Aug. 22, 1944. A lubricant comprising a petroleum lubricating oil containing 50 to 1000 P. P. M. of copper in the form of an oil-soluble non-ionogenic organic copper compound and sulfur in the form of an oil-soluble organic sulfur compound. Example: copper-treated sulfurized dehydrated "Ocenol." The additive acts as an antioxidant.

Pat. 2,356,907. 1,3-Diarylisobensofurans and Process for Preparing the Same. Aug. 29, 1944. 1,3-diaryl-isobensofurans which are useful as oil fluorescent colors and exhibit relatively good light fastness when dissolved in oil.

Pat. 2,362,890. Viscous Hydrocarbon Oils. Nov. 14, 1944. Claims a viscous hydrocarbon oil containing an aliphatic amine salt of thiocyanic acid, e. g., dimethylamine thiocyanate, to inhibit absorption of oxygen by the oil.

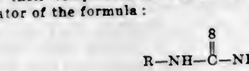
Pat. 2,363,777. Stabilization of Organic Substances. Nov. 28, 1944. A composition comprising an organic substance capable of being air-oxidised containing a metal and having incorporated therein a metal deactivator obtained by condensing one mole of an alkali metal salt of an alpha primary amino aliphatic carboxylic acid with at least one mole of an ortho hydroxy substituted aromatic aldehyde so that not more than one mole of aldehyde reacts for each primary amino group, e. g., salicylal sodium tyrosinate.

Pat. 2,363,778. Stabilization of Organic Substances. Nov. 28, 1944. A composition comprising an organic substance capable of being air-oxidized, containing a metal and as a metal deactivator a heterocyclic carboxylic acid in which the heterocyclic ring consists of one N atom and 5 C atoms, the C atom of the COOH group being bonded to the C atom of the heterocyclic ring adjacent to the N atom of the ring, e. g., pyridine, 2,4-dicarboxylic acid.

Pat. 2,370,943. Hydrocarbon Oil. Mar. 6, 1945. Claims a paraffin wax-containing hydrocarbon oil containing an amount sufficient to reduce the pour point of the oil of a linear polymeric material having a molecular weight of at least 1000 in which the chain units are dimethylene groups and N-A-2,5-pyrrolidinedione, A—aliphatic having at least 12 C., and one hydrogen of the dimethylene group is replaced by an aromatic or aromatic ether radical, e. g., a linear styrene/N-octadecyl-maleimide polymer.

Pat. 2,373,021. Stabilization of Petroleum Hydrocarbons. Apr. 3, 1945. Petroleum hydrocarbons containing a V, Mn, Fe, Co, or Cu catalyst and a guanylguanidine metal deactivator.

Pat. 2,373,049. Stabilization of Organic Substances. Apr. 3, 1945. Oxidation of organic substances, particularly petroleum hydrocarbons, containing V, Mn, Co, Cu, or their compounds is retarded by adding a metal deactivator of the formula:



R—H or an electronegative organic radical, e. g., N-(3-amino-phenyl)-thiourea.

Pat. 2,381,952. Stabilization of Organic Substances. Aug. 14, 1945. Compositions comprising an organic substance and a metal deactivator therefor obtained by condensing one mole of an o-hydroxy aromatic aldehyde with one mole of a sugar amine containing a single primary amino group, e. g., salicylaldehyde + glucamine.

Pat. 2,382,309. Phosphonamide. Aug. 14, 1945. α,β-unsaturated alkenephosphonidiamides, specifically N,N,N',N'-tetramethyl-2-propenephosphonidiamide. These phosphonamides are useful as additives for lubricating oils.

Pat. 2,382,781. Lubricant. Aug. 14, 1945. A lubricant comprising a hydrocarbon lubricating oil and a small amount of an oil-soluble ferric dialkyl dithiocarbamate, e. g., ferric diamyl dithiocarbamate which serves as an antioxidant and a corrosion inhibitor.

Pat. 2,382,904. Stabilization of Organic Substances. Aug. 14, 1945. A composition comprising an organic substance, an anti-oxidant and a metal deactivator of the formula: HO—R—N—N—R'—OH, R and R'—divalent radicals of benzene, naphthalene, or pyrazolone in which the free valences are on adjacent carbon atoms. Example: gasoline + p-bensyl-aminophenol + 2,2',4'-trihydroxyazobensene.

Pat. 2,382,905. Stabilization of Petroleum Hydrocarbons. Aug. 14, 1945. Petroleum hydrocarbons containing an antioxidant, a copper deactivator and a trithiophosphate.

Pat. 2,382,906. Stabilization of Petroleum Hydrocarbons. Aug. 14, 1945. Petroleum hydrocarbons containing an antioxidant, a copper deactivator, and a 2-mercaptothiazole.

Pat. 2,387,501. Hydrocarbon Oil. Oct. 23, 1945. A hydrocarbon oil containing at least 0.01% of oil-soluble polymeric N-aliphatic arylamide of a molecular weight of at least 1000 in which the aliphatic group has a chain of at least 8 C atoms. This oil has a reduced pour point and a high viscosity index.

Pat. 2,396,156. Stabilization of Organic Substances. Mar. 5, 1946. 3-β-methallyl-4-methallyloxydiphenylamine, which is useful as an age-resister for rubber.

Pat. 2,400,383. Tetraethyl Lead. May 14, 1946. Method of purifying tetraethyl lead containing sludge forming bismuth compounds by passing an oxygen-containing gas through tetraethyl lead until the bismuth compounds have been converted to sludge and then separating the sludge from the tetraethyl lead.

Pat. 2,401,234. Preparation of Alkylamino-Alkanethiols. May 28, 1946. Process for preparing N,N-diethylaminoalkanethiols by reacting 3 mols of diethylamine at 75°–150° C. with one mol of a chloroalkylthiolacetate having the chlorine 2–10 carbons removed from the acetylthio group.

Pat. 2,401,957. Stabilization of Petroleum Hydrocarbons. June 11, 1946. Petroleum hydrocarbons boiling below 760° F. are stabilized against deterioration on storage with a 2-aminomethyl-4-aminophenol in which 1 to 2 of the amino hydrogens are replaced by alkyl groups and 0 to 2 of the hydrogens of the 4-amino group are replaced by alkyl groups, e. g., 2-(dimethylaminomethyl)-4-aminophenol.

Pat. 2,407,261. Process for Stabilizing or Deactivating Sludges, Precipitates, and Residues Occurring or Used in the Manufacture of Tetraalkyl Leads. Sept. 10, 1946. Stabilization against ignition of tetraalkyl lead adsorbed on sludges which are precipitated from crude steam distilled tetraalkyl lead by washing with an aqueous solution of alkali metal or ammonium monosulfide, polysulfide or sulfhydrate, causing the formation and separation of the sludge from tetraalkyl lead.

Pat. 2,407,262. Process for Stabilizing or Deactivating Sludges, Precipitates, and Residues Occurring or Used in the Manufacture of Tetraalkyl Leads. Sept. 10, 1946. Stabilization against ignition of tetraalkyl lead absorbed on sludges which are precipitated from crude tetraalkyl lead by washing with an aqueous solution of a phenol containing at least one substituent of the group consisting of hydroxy, alkoxy, carboxy, aldehyde, ketone, nitro, nitroso, and ester groups attached to a ring carbon.

Pat. 2,407,263. Process for Stabilizing or Deactivating Sludges, Precipitates, and Residues Occurring or Used in the Manufacture of Tetraalkyl Leads. Sept. 10, 1946. Stabilization against spontaneous ignition of tetraalkyl lead adsorbed on sludges which are precipitated from crude tetraalkyl lead by washing with a solution of an oil soluble copper or iron salt of a carboxylic acid, as copper naphthenate or iron stearate.

Pat. 2,407,307. Process for Stabilizing or Deactivating Sludges, Precipitates, and Residues Occurring or Used in the Manufacture of Tetraalkyl Leads. Sept. 10, 1946. Stabilization against spontaneous ignition of tetraalkyl lead adsorbed on sludges which are precipitated from crude tetraalkyl lead compounds by washing with an aromatic amine in aqueous solution, as p-amino-phenol.

Isobensofurans are prepared by Diels-Alder condensation of butadienes with diaroyl ethylenes, followed by furan ring closure of the substituted cyclohexenes. Products are intermediates for lube oil fluorescent agents.

Pat. 2,362,890. Viscous Hydrocarbon Oils. Nov. 14, 1944. Claims a viscous hydrocarbon oil containing an aliphatic amine salt of thiocyanic acid, e. g., dimethylamine thiocyanate, to inhibit absorption of oxygen by the oil.

Pat. 2,382,906. Stabilized Hydrocarbons. Aug. 14, 1945. Petroleum hydrocarbons containing an antioxidant, a copper deactivator and a trithiophosphate.

Pat. 2,410,356. Purification of Tetraethyl Lead. Oct. 29, 1946. Method of purifying steam distilled tetraethyl lead containing sludge-forming impurities by washing with at least 1/5 volume of a weak aqueous solution of H_2O_2, alkali metal peroxide, alkaline earth metal peroxide, alkali metal perborate, or alkaline earth metal perborate.

Pat. 2,411,453. Apparatus for Making Alkyl Lead Compounds. Nov. 19, 1946. Apparatus for preparing lead alkyl compounds from alkyl halides and lead sodium alloys which permits a more rapid addition of the halide to the alloy, more accurate control of the reaction and pressures therein, and which allows maximum removal of heat from the reaction by the use of full flow of cooling media to the coudenser and the autoclave.

Pat. 2,414,028. Polymeric Materials. Jan. 7, 1947. A wax-like polymerisation product, useful as a lube oil additive, is made by heating in the presence of a Friedel-Crafts catalyst stearoyl chloride and a polymer in which the recurring units are

Pat. 2,426,598. Manufacturing Tetraethyl Lead in the Presence of an Anhydride. Sept. 2, 1947. Use of a carboxylic acid anhydride having a single —CO—O—CO— group, e. g., butyric anhydride, as a catalyst in the preparation of tetraethyl lead from ethyl chloride and lead monosodium alloy.

Pat. 2,426,766. Stabilization of Organic Substances. Sept. 2, 1947. Method of suppressing the catalytic effect of metal compounds on olefinic distillates comprising adding 2-hydroxy-1-naphthylidene-ortho-aminophenol thereto.

Pat. 2,426,789. Purification of Tetra Ethyl Lead. Sept. 2, 1947. Method of purifying steam distilled tetra-ethyl lead containing sludge forming impurities comprising agitating with at least 1/5 volume of a weak aqueous solution of an alkali metal or alkaline earth metal chlorite containing 1% of a non-oxidising mineral acid, settling the mixture and separating tetraethyl lead from the aqueous solution and the reaction products of the chlorite with the sludge-forming impurities.

Pat. 2,432,321. Process for Stabilising or Deactivating Sludges, Precipitates, and Residues Occurring or Used in the Manufacture of Tetraalkyl Leads. Dec. 9, 1947. Method for inhibiting spontaneous ignition of tetraalkyl lead compounds adsorbed on sludges which are precipitated from crude tetraalkyl lead compounds comprising washing the sludges with a quaternary ammonium compound in an aqueous medium.

Pat. 2,433,[illegible]. Crude tetraalkyl lead compounds by washing with an aromatic amine in aqueous solution, as p-amino-phenol.

RULES OF PRACTICE
OF
THE UNITED STATES PATENT OFFICE
IN
PATENT CASES

The following rules governing the practice and procedure in the Patent Office with respect to applications for patent and related matters, and the recognition of attorneys and agents, have been adopted and promulgated, effective March 1, 1949, under the authority of R. S. 483; 35 U. S. C. 6, R. S. 487; 35 U. S. C. 11, and other authority, after publication of proposed rules and a public hearing, and consideration of the material and arguments submitted. (The announced proposed changes in the rule relating to advertising by attorneys and agents is still under consideration.)

The new rules shall take effect March 1, 1949, except as otherwise indicated.

These rules shall apply to further proceedings in applications pending on such date and also to further inter partes action in contested cases pending on such date, except to the extent that, in the opinion of the Commissioner, their application to a particular case pending when these rules take effect, or to a particular action or paper in such case, would not be feasible or would work injustice, in which event the rules in effect immediately prior to March 1, 1949, shall apply to such case, action or paper.

Rules 192 to 195 shall not apply to appeals from final rejections of the primary examiners made before March 1, 1949, and appeals to the Board of Appeals from such rejections shall be governed by the applicable rules in effect prior to March 1, 1949.

Rule 302 shall not apply to cases in which the time for appeal had expired prior to March 1, 1949.

These rules were published in the Federal Register for December 31, 1948. In the Federal Register and in the Code of Federal Regulations these rules are Part 1 of Title 37, Patents, Trade-Marks and Copyrights, Subchapter A, Patents, and the individual rules, there called sections, are numbered with the part number and a decimal point prefixed to the numbers to the rules here used; thus section 1.33 in the Federal Register and Code of Federal Regulations is here termed rule 33.

A pamphlet edition of these rules, containing forms and additional supplementary material is in course of preparation.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

GENERAL INFORMATION AND CORRESPONDENCE

1 All communications to be addressed to Commissioner of Patents.
2 Business to be transacted in writing.
3 Business to be conducted with decorum and courtesy.
4 Nature of correspondence.
5 Identification of application or patent.
6 Receipt of letters and papers.
7 Times for taking action; expiration on Sunday or holiday.

RECORDS AND FILES OF THE PATENT OFFICE

11 Patent files open to the public.
12 Assignment records open to public inspection.
13 Copies and certified copies.
14 Applications preserved in secrecy.

FEES AND PAYMENT OF MONEY

21 Fees and charges.
22 Fees payable in advance.
23 Method of payment.
24 Coupons.
25 Deposit accounts.
26 Refunds.

PROSECUTION OF APPLICATION AND APPOINTMENT OF ATTORNEY OR AGENT

31 Applicants may be represented by an attorney or agent.
32 Prosecution by assignee.
33 Correspondence when no attorney or agent.
34 Power of attorney or authorization.
35 Correspondence held with attorney.
36 Revocation of power of attorney or authorization; withdrawal of attorney or agent.

WHO MAY APPLY FOR A PATENT

41 Only inventor may apply for patent.
42 When the inventor is dead.
43 When the inventor is insane.
44 Proof of authority.
45 Joint inventors.
46 Assigned inventions and patents.
47 Applicant.

THE APPLICATION

51 General requisites of an application.
52 Language, paper, writing, margin.
53 Application accepted and filed for examination only when complete.
54 Parts of application to be filed together.
55 Serial number and filing date of application.
56 Improper applications.
57 Signatures.
58 Single signature form.
59 Papers of complete application not to be returned.

PETITION

61 Petition.

THE OATH

65 Oath of applicant.
66 Officers authorized to administer oaths.
67 Supplemental oath for matter not originally claimed.

SPECIFICATION

71 Detailed description and specification of the invention.
72 Title of the invention.
73 Summary of the invention.
74 Reference to drawings.
75 Claim.
76 Signature to the specification.
77 Arrangement of specification.
78 Cross-references to other applications.
79 Reservation clauses not permitted.

THE DRAWINGS

81 Drawings required.
82 Signature to drawing.
83 Content of drawing.
84 Standards for drawings.
85 Informal drawings.
86 Draftsman to make drawings.
87 Return of drawings.
88 Use of old drawings.

MODELS, EXHIBITS, SPECIMENS

91 Models not generally required as part of application or patent.
92 Model or exhibit may be required.
93 Specimens.
94 Return of models, exhibits or specimens.
95 Copies of exhibits.

EXAMINATION OF APPLICATIONS

101 Order of examination.
102 Advancement of examination.
103 Suspension of action.
104 Nature of examination; examiner's action.
105 Completeness of examiner's action.
106 Rejection of claims.
107 Citation of references.
108 Abandoned and forfeited applications not cited.

ACTION BY APPLICANT AND FURTHER CONSIDERATION

111 Reply by applicant.
112 Re-examination and reconsideration.
113 Final rejection or action.

AMENDMENTS

115 Amendment by applicant.
116 Amendments after final action.
117 Amendment and revision required.
118 Amendment of disclosure.
119 Amendment of claims.
121 Manner of making amendments.
122 Entry and consideration of amendments.
123 Amendments to the drawing.
124 Amendment of amendments.
125 Substitute specification.
126 Numbering of claims.
127 Petition from refusal to admit amendment.

AFFIDAVITS OVERCOMING REJECTIONS

131 Affidavit of prior invention to overcome cited patent or publication.
132 Affidavits traversing grounds of rejection.

INTERVIEWS

133 Interviews.

TIME FOR RESPONSE BY APPLICANT; ABANDONMENT OF APPLICATION

135 Abandonment for failure to respond within time limit.
136 Time less than six months.
137 Revival of abandoned application.
138 Express abandonment.

JOINDER OF INVENTIONS IN ONE APPLICATION; DIVISION

141 Different inventions in one application.
142 Requirement for division.
143 Reconsideration of requirement.
144 Appeal from requirement for division.
145 Subsequent presentation of claims for different inventions.
146 Election of species.
147 Separate application for invention not elected.

DESIGN PATENTS

151 Rules applicable.
152 Drawing.
153 Title, description and claim.
154 Arrangement of specification.
155 Term of design patent.

PLANT PATENTS

161 Rules applicable.
162 Applicant, oath.
163 Specification.
164 Claim.
165 Drawings.
166 Specimens.
167 Examination.

REISSUES

171 Application for reissue.
172 Applicants, assignees.
173 Specification.
174 Drawings.
175 Reissue oath.
176 Examination of reissue.
177 Reissue in divisions.
178 Original patent.
179 Notice of reissue application.

PETITIONS AND ACTION BY THE COMMISSIONER

181 Petition to the Commissioner.
182 Questions not specifically provided for.
183 Suspension of rules.
184 Reconsideration of cases decided by former Commissioners.

APPEALS TO THE BOARD OF APPEALS

191 Appeal to the Board of Appeals.
192 Appellant's brief.
193 Examiner's answer.
194 Hearing.
195 Affidavits after appeal.
196 Decision by the Board of Appeals.
197 Action following decision.
198 Reopening after decision.

INTERFERENCES: DEFINITION, PREPARATION, DECLARATION

201 Definition; when declared.
202 Preparation for interference between applications; preliminary inquiry of junior applicant.
203 Preparation for interference between applications; suggestion of claims for interference.
204 Interference with a patent; affidavit by junior applicant.
205 Interference with a patent; copying claims from patent.
206 Interference with a patent; claims improperly copied.
207 Preparation of interference notices and statements.
208 Conflicting parties having same attorney.
209 Declaration of interference; mailing of notices.
211 Jurisdiction of interference.
212 Suspension of ex parte prosecution.

INTERFERENCES: PRELIMINARY STATEMENT

215 Preliminary statement required.
216 Contents of the preliminary statement.
217 Contents of the preliminary statement; invention made abroad.
218 Time for filing preliminary statement.
219 Statements sealed before filing.
221 Defective statements.
222 Correction of statement on motion.
223 Effect of statement.
224 Reliance on prior application.
225 Failure of junior party to file statement or to overcome filing date of senior party.
226 Notice and access to applications.
227 Access to preliminary statements.

INTERFERENCES: MOTION PERIOD, DISSOLUTION, REFORMATION

231 Motion period.
232 Motions to dissolve.
233 Motions to amend.
234 Motion to include another application.
235 Motions relating to burden of proof.
236 Hearing and determination of motions.
237 Dissolution on motion of examiner.
238 Addition of new party by examiner.

INTERFERENCES: MISCELLANEOUS PROVISIONS

241 Copies of part of application.
242 Prosecution by assignee.
243 Motions before the Examiners of Interference.
244 Motions; miscellaneous provisions.
245 Extensions of time.
246 Stay of proceedings.
247 Service of papers.
248 Service of papers; manner of service.

INTERFERENCES: TRIAL

251 Assignment of times for taking testimony.
252 Failure of junior party to take testimony.
253 Copies of the testimony.
254 Briefs at final hearing.
255 Requests for findings of fact and conclusions of law.
256 Final hearing.
257 Burden of proof.
258 Matters considered in determining priority.
259 Recommendation by Board of Interference Examiners.

INTERFERENCES: TERMINATION

261 Termination of interference.
262 Disclaimer, concession, abandonment.
263 Statutory disclaimer by patentee.
264 Reissue filed by patentee.
265 Status of claims of defeated applicant after interference.
266 Action after interference.
267 Second interference.

TESTIMONY IN INTERFERENCES AND OTHER CONTESTED CASES

271 Evidence must comply with rules.
272 Manner of taking testimony of witnesses.
273 Notice of examination of witnesses.
274 Persons before whom depositions may be taken.
275 Examination of witnesses.
276 Certification and filing by officer.
277 Form of deposition.
278 Depositions must be filed.
279 Inspection of testimony.
281 Additional time for taking testimony.
282 Official records and printed publications.
283 Testimony taken in another interference or action.
284 Testimony taken in foreign countries.
285 Effect of errors and irregularities in depositions.
286 Objections to admissibility.

PROTESTS AND PUBLIC USE PROCEEDINGS

291 Protests to the grant of a patent.
292 Public use proceedings.

APPEAL TO THE U. S. COURT OF CUSTOMS AND PATENT APPEALS

301 Appeal to court.
302 Notice and reasons of appeal.

CIVIL ACTION UNDER R. S. 4915

306 Civil action under R. S. 4915.

ALLOWANCE AND ISSUE OF PATENT

311 Notice of allowance.
312 Amendments after allowance.
313 Withdrawal from issue.
314 Issuance of patent.
315 Delivery of patent.
316 Forfeited application.
317 Delayed payment of final fee.

DISCLAIMER

321 Statutory disclaimer in patent.

CORRECTION OF ERRORS IN PATENT

322 Certificate of correction.
323 Other mistakes not corrected.

ASSIGNMENTS AND RECORDING

331 Recording of assignments.
332 Receipt and recording.
333 Conditional assignments.
334 Issue of patent to assignee.

RECOGNITION OF ATTORNEYS AND AGENTS

341 Registration of attorneys and agents.
342 Limited recognition.
343 Persons not registered or recognized.
344 Professional conduct.
345 Advertising.
346 Signature and certificate of attorney.
347 Removing names from registers.
348 Suspension or disbarment proceedings.

AMENDMENT OF RULES

351 Amendments to rules will be published.
352 Publication of notice of proposed amendments.

GENERAL INFORMATION AND CORRESPONDENCE

1 **All communications to be addressed to The Commissioner of Patents.** All letters and other communications intended for the Patent Office must be addressed to "The Commissioner of Patents," Washington 25, D. C. When appropriate, a letter may be marked for the attention of a particular officer or individual.

[Rule 2] [1]

2 **Business to be transacted in writing.** All business with the Patent Office should be transacted in writing. The personal attendance of applicants or their attorneys or agents at the Patent Office is unnecessary. The action of the Patent Office will be based exclusively on the written record in the Office. No attention will be paid to any alleged oral promise, stipulation, or understanding in relation to which there is disagreement or doubt.

[Rules 1, 4]

3 **Business to be conducted with decorum and courtesy.** Applicants and their attorneys or agents are required to conduct their business with the Patent Office with decorum and courtesy. Papers presented in violation of this requirement will be submitted to the Commissioner and will be returned by his direct order. Complaints against examiners and other employees must be made in communications separate from other papers.

[Rule 22a, b]

4 **Nature of correspondence.** (a) Correspondence with the Patent Office comprises (1) correspondence relating to services and facilities of the Office, such as general inquiries, requests for publications supplied by the Office, orders for printed copies of patents, orders for copies of records, transmission of assignments for recording, and the like, and (2) correspondence in and relating to a particular application or other proceeding in the Office. See particularly the rules relating to the filing and prosecution of applications or other proceedings (rule 31 and following rules).

(b) Since different matters may be considered by different branches or sections of the Patent Office, each distinct subject, inquiry or order should be contained in a separate letter to avoid confusion and delay in answering letters dealing with different subjects.

[Rule 8]

5 **Identification of application or patent.** (a) When a letter concerns an application for patent, it should state the name of the applicant, the title of the invention, the serial number of the application, the date of filing the same, and, if known, the division to which it has been assigned (see rule 55).

(b) When the letter concerns a patent, it should state the number and date of issue of the patent, the name of the patentee, and the title of the invention.

[Rules 9, 10]

6 **Receipt of letters and papers.** (a) Letters and other papers received in the Patent Office are stamped with the date of receipt.

(b) Mail placed in the Patent Office pouch up to midnight on weekdays, excepting holidays, by the post office at Washington, D. C., serving the Patent Office, is considered as having been received in the Patent Office on the day it was so placed in the pouch.

(c) In addition to being mailed or delivered by hand during office hours, letters and other papers may be deposited up to midnight in a box provided at the guard's desk at the 14th and E Street entrance of the Patent Office on week-days except Saturdays, and at the main entrance of the Commerce Building on Saturdays, excepting holidays, and all papers deposited therein are considered as received in the Patent Office on the day of deposit.

(d) No papers are received in the Patent Office on Sundays or holidays within the District of Columbia.

[Rule 12]

7 **Times for taking action; expiration on Sunday or holiday.** Whenever periods of time are specified in these rules in days, calendar days are intended unless otherwise indicated. When the day, or the last day, fixed by statute or by or under these rules for taking any action or paying any fee falls on Sunday, or on a holiday within the District of Columbia, the action may be taken, or the fee paid, on the next succeeding day which is not a Sunday or a holiday.

[Rule 31, par. 6]

[1] The number of the old rule approximately corresponding in whole or in part to the new rule is placed in brackets following each rule.

RECORDS AND FILES OF THE PATENT OFFICE

11 **Patent files open to the public.** After a patent has been issued, the specification, drawings, and all papers relating to the case in the file of the patent are open to inspection by the general public, and copies may be furnished upon paying the fee therefor. The file of any terminated interference involving a patent, or an application on which a patent has subsequently issued, is similarly open to public inspection and procurement of copies.

[Rule 16]

12 **Assignment records open to public inspection.** The assignment records, including digests and indexes, are open to public inspection and copies of any instrument recorded may be obtained upon payment of the fee therefor. An order for a copy of an assignment should give the liber and page of the record. If identified only by the name of the patentee and number of the patent, or by name of the applicant and serial number of the application, an extra charge will be made for the time consumed in making a search for such assignment.

[Rule 192]

13 **Copies and certified copies.** (a) Copies of patents and of any records, books, papers, or drawings belonging to the Patent Office and open to the public, will be furnished by the Patent Office to any person, and copies of other records or papers will be furnished to persons entitled thereto, upon payment of the fee therefor.

(b) Such copies will be authenticated by the seal of the Patent Office and certified by the Commissioner, or in his name attested by a chief of division, duly designated by the Commissioner, upon payment of the fee for the authentication certificate in addition to the fee for the copies.

[Rule 193]

14 **Applications preserved in secrecy.** (a) Pending applications are preserved in secrecy. No information will be given by the Office respecting the filing by any particular person of an application for a patent, the pendency of any particular case before it, or the subject matter of any particular application, nor will access be given to or copies furnished of any pending application or papers relating thereto, without written authority of the applicant, or his assignee or attorney or agent, unless it shall be necessary to the proper conduct of business before the Office or as provided by these rules.

(b) Abandoned applications are likewise not open to public inspection, except that if an application referred to in a United States patent is abandoned and is available, it may be inspected or copies obtained by any person on written request, without notice to the applicant. Abandoned applications may be destroyed after twenty years from their filing date, except those to which particular attention has been called and which have been marked for preservation. Abandoned applications will not be returned.

(c) Applications for patents which disclose or which appear to disclose, or which purport to disclose, inventions or discoveries relating to atomic energy are reported to the Atomic Energy Commission and the Commission will be given access to such applications, but such reporting does not constitute a determination that the subject matter of each application so reported is in fact useful or an invention or discovery or that such application in fact discloses subject matter in categories specified by sec. 11 (d) of the Atomic Energy Act of 1946, 60 Stat. 768, 42 U. S. C. 1811.

[Rule 15]

FEES AND PAYMENT OF MONEY

21 **Fees and charges.** The following is the schedule of fees and charges to be paid to the Patent Office:

1. Filing fee. On filing each original application for a patent having 20 claims or less, except in design cases	$30.00
For each additional claim over 20	1.00
2. Final fee. On issuing each original patent having 20 claims or less, except in design cases	30.00
For each additional claim over 20	1.00
3. Filing fee, designs. In design cases: For term of 3 years and 6 months	10.00
For term of 7 years	15.00
For term of 14 years	30.00
4. Filing fee, reissues. On every application for the reissue of a patent	30.00
5. On filing each petition for the revival of an abandoned application for patent	10.00
6. On filing each petition for the delayed payment of the final fee	10.00
7. On an appeal for the first time from the Primary Examiner to the Board of Appeals	15.00
8. On filing each disclaimer	10.00
9. For certification of copies of records, etc., in any case, in addition to the cost of copy certified	.50
10. For typewritten manuscript copies of records, for every 100 words or fraction thereof	.10
11. For photostat copies of records or printed material, per sheet	.20
12. For photo prints of drawings, for each sheet of drawing	.20
13. For uncertified printed copies of the specifications and accompanying drawings of patents, except design patents, if in print, each	.25
14. For certified copies of patents if in print: For specification and drawing, per copy	.25
For the certificate	.50
For the grant	.50
15. For uncertified printed copies of design patents, if in print	.10
16. For recording every assignment, agreement, or other paper, not exceeding six pages	3.00
For each additional patent or application included or involved in one writing, where more than one is so included or involved, additional	.50
For each additional two pages or less	1.00

17. For abstracts of title to each patent or application:	
For the search, one hour or less, and certificate	3.00
Each additional hour or fraction thereof	1.50
For each brief from the digest of assignments, of 200 words or less	1.00
Each additional 100 words or fraction thereof	.10
18. For title reports required for Office use	1.00
19. For translations, made only of references cited in applications or of papers filed in the Office, for every 100 words or fraction thereof	1.25
20. On admission to practice as an attorney or agent	5.00
21. For certificate of good standing as an attorney or agent	1.00
22. For making drawings, when they can be made by the Patent Office, the cost of making the same, minimum charge per sheet	15.00
23. For correcting drawings, the cost of making the correction, minimum charge	1.00
24. For the mounting of unmounted drawings and photoprints received with patent applications, provided they are of approved permanency	1.00
25. For photographic prints of patent models, building facilities, etc., if available:	
For 5 x 7 photographic print	.50
For 8 x 10 photographic print	.75
26. Searching for and supplying list of references cited in the file of a patent issued before February 4, 1947 (this list is printed on the copies of patents issued on and after February 4, 1947), for list and time involved, one hour or less, $1.50, and $1.50 for each additional hour or fraction.	
27. Search of records to determine the filing by any particular person of applications for patents, on presentation of proper authorization, one hour or less	1.50
28. Subscription orders for printed copies of patents as issued: Annual service charge for entry of order and one subclass, $1.00, and 10 cents for each additional subclass; amount to be deposited (for the price of the copies supplied), as determined with respect to each order.	
29. Lists of U. S. patents classified in a subclass, made to order, per sheet (containing 100 patent numbers or less)	.20
30. Local delivery box rental, annual	5.00

NOTE: The Official Gazette and other publications in the following list are sold, and the prices therefor established, by the Superintendent of Documents, Government Printing Office, Washington 25, D. C., to whom all communications respecting the same should be addressed (except with respect to items indicated as supplied by the Patent Office only).

Official Gazette of the United States Patent Office:	
Annual subscription, domestic	$17.50
Including indexes of patents and trade-marks, paper bound $21.00; cloth bound $24.50.	
Annual subscription, foreign	26.50
Including indexes of patents and trade-marks, paper bound $31.00; cloth bound $34.50.	
Single numbers	.35
Portions of the Official Gazette supplied separately:	
Decision leaflets, domestic $2.50, foreign $4.25, per annum; single numbers	.05
Trade-mark section, domestic $8.00, foreign $10.00, per annum; single numbers	.20
Weekly index pages (supplied only by Patent Office), $2.50 per annum; single numbers	.05
Weekly page or pages of classification of patents issued that week (supplied only by the Patent Office), $2.50 per annum; single numbers	.05
Annual index relating to patents; price varies, 1947 volume, $4.00 cloth; paper	2.00
Annual index relating to trade-marks; price varies, 1947 volume, $3.00 cloth; paper	1.75
Decisions of the Commissioner of Patents; price varies, 1946 volume, buckram	2.00
Classification Bulletins published from time to time (also supplied by the Patent Office), price varies for different numbers, according to size, from 10 to 35 cents.	
Manual of Classification of Patents (July, 1947)	4.00

[Rule 191]

22 **Fees payable in advance.** Fees and charges payable to the Patent Office are required to be paid in advance, that is, at the time of making application for any action by the Office for which a fee or charge is payable.

[Rule 190]

23 **Method of payment.** All payments of money required for Patent Office fees should be made in United States specie, Treasury notes, national bank notes, post office money orders or postal notes payable in Washington, D. C., or by certified checks. If sent in any other form, the Office may delay or cancel the credit until collection is made. Money orders and checks must be made payable to the Commissioner of Patents. Remittances from foreign countries must be payable and immediately negotiable in the United States for the full amount of the fee required. Money sent by mail to the Patent Office will be at the risk of the sender; letters containing money should be registered.

[Rule 194]

24 **Coupons.** Coupons in denominations of ten cents and twenty-five cents are sold by the Patent Office for the convenience of regular purchasers of printed copies of patents and designs (and also of trade-mark registrations); these coupons may also be used for small remittances. The ten-cent coupons are sold individually and in pads of 20 for $2.00 and books of 100 with stubs for record for $10.00. The twenty-five cent coupons are sold individually and in pads of 20 for $5.00 and in books of 100 with stubs for record for $25.00. These coupons are good until used; they may be transferred but cannot be redeemed.

NOTE: Public document coupons issued by the Superintendent of Documents cannot be used in the Patent Office, nor can the coupons issued by the Patent Office be used at the Government Printing Office or elsewhere.

25 **Deposit accounts.** (a) For the convenience of attorneys, agents and the general public, in ordering services offered by the Office, copies of records, etc., special deposit accounts may be established in the Patent Office. A minimum deposit of $25 or more, depending on the activity of the individual account, is required. At the close of each month's business, a statement will be rendered. Whenever the statement shows that the account has fallen below the required minimum balance, a remittance must be made to cover the deficiency. An amount sufficient to cover all services, copies, etc., requested must always be on deposit.

(b) **Filing, final, appeal and petition fees** will not be charged against these accounts.

26 **Refunds.** Money paid by actual mistake or in excess, such as a payment not required by law, will be refunded, but a mere change of purpose after the payment of money, as when a party desired to withdraw his application for a patent or to withdraw an appeal, will not entitle a party to demand such a return. Amounts of ten cents or less will not be returned unless specifically demanded, within a reasonable time, nor will the payer be notified of such amount; amounts over ten cents but less than one dollar may be returned in postage stamps, and other amounts by check.

[Rule 195]

PROSECUTION OF APPLICATION AND APPOINTMENT OF ATTORNEY OR AGENT

31 **Applicants may be represented by an attorney or agent.** An applicant for patent may file and prosecute his own case, or he may be represented by an attorney or agent authorized to practice before the Patent Office in patent cases. The Patent Office cannot aid in the selection of an attorney or agent.

[Rule 17, par. 1]

32 **Prosecution by assignee.** The assignee of record of the entire interest in an application for patent is entitled to conduct the prosecution of the application to the exclusion of the inventor.

[Rule 5]

33 **Correspondence when no attorney or agent.** When no attorney or agent has been appointed, all notices, official letters and other communications in the case will be sent to the applicant, or to the assignee of the entire interest if the applicant or such assignee so request, or to the assignee of an undivided part if the applicant so request, at the post office address of which the Office has been notified in the case. Amendments and other papers filed in the application must be signed by the applicant, or if there is an assignee of an undivided part interest, by the applicant and such assignee, or if there is an assignee of the entire interest, by such assignee.

[Rule 73, par. 3]

34 **Power of attorney or authorization.** Before any attorney or agent, original or associate, will be allowed to inspect papers or take action of any kind in any application or proceeding, a written power of attorney or authorization, from the person or persons entitled to prosecute the application or from the principal attorney or agent in the case of an associate attorney or agent, must be filed in that particular application or proceeding.

[Rule 18]

35 **Correspondence held with attorney.** When an attorney or agent shall have filed his power of attorney, or authorization, duly executed, the correspondence will be held with him; notices, official letters and other communications in the case intended for the applicant will be sent to the attorney or agent at the address of which notice shall have been given in the case, and replies to Office actions, or other actions in the case, will be received from him. Double correspondence with an applicant and his attorney or agent, or with two representatives, will not be undertaken. If more than one attorney or agent be appointed, correspondence will be held with the one last appointed unless otherwise requested.

[Rule 7]

36 **Revocation of power of attorney or authorization; withdrawal of attorney or agent.** A power of attorney or authorization of agent may be revoked at any stage in the proceedings of a case, and an attorney or agent may withdraw, upon application to and approval by the Commissioner; and when it is so revoked, or the attorney or agent so withdrawn, the Office will communicate directly with the applicant, or with such other attorney or agent as he may appoint. An attorney or agent will be notified of the revocation of his power of attorney or authorization and the applicant will be notified of the withdrawal of the attorney or agent. An assignment will not of itself operate as a revocation of a power or authorization previously given, but the assignee of the entire interest may revoke previous powers and be represented by an attorney or agent of his own selection.

[Rule 20]

WHO MAY APPLY FOR A PATENT

41 **Only inventor may apply for patent.** Only the actual inventor may apply for a patent and the application papers must be signed and the necessary oath executed by the inventor, unless the inventor is dead or insane. See rule 147.

42 **When the inventor is dead.** In case of the death of the inventor, the executor or administrator of the deceased inventor may sign the application papers and make the necessary oath, and apply for and obtain the patent. Where the inventor dies during the time intervening between the filing of his application and the granting of a patent thereon, the letters patent may be issued to the executor or administrator upon proper intervention by him.

[Rule 25, par. 1]

43 **When the inventor is insane.** In case an inventor becomes insane, the legally appointed guardian, conservator, or representative of the insane inventor may sign the application papers and make the necessary oath, and apply for and obtain the patent.

[Rule 25, par. 2]

44 **Proof of authority.** In the cases mentioned in rules 42 and 43, proof of the power or authority of the executor or administrator, or of the guardian, conservator, or representative, must be recorded in the Patent Office before the grant of a patent.

45 **Joint inventors.** (a) Joint inventors must apply for a patent jointly and each must sign the application papers and make the required oath; neither of them alone, nor less than the entire number, can apply for a patent for an invention invented by them jointly.

(b) If an application for patent has been made inadvertently or by mistake and without fraudulent intention by two or more persons as joint inventors when they were not in fact joint inventors, the application may be amended to remove the names of those not inventors upon filing a statement of the facts verified by all of the original applicants, and an oath as required by rule 65 by the applicant who is the actual inventor, provided the amendment is diligently made. An application can not be amended to add the name of a joint inventor who was omitted, but a new independent application must be filed.

[Rule 28]

46 **Assigned inventions and patents.** In case the whole or a part interest in the invention or in the patent to be issued is assigned, the application must still be made by the inventor as indicated in rules 41 and 45, or by one of the persons mentioned in rules 42 and 43. However, the patent may be issued to the assignee or jointly to the inventor and the assignee as provided in rule 334.

[Rule 26]

47 **Applicant.** Unless the contrary is indicated, the word "applicant" when used in these rules refers to the inventor (rule 41), joint inventors who have applied for a patent (rule 45), or to the person mentioned in rule 42 or 43 who has applied for a patent in place of the inventor.

THE APPLICATION

51 **General requisites of an application.** Applications for patents must be made to the Commissioner of Patents. A complete application comprises:

(a) A petition or request for a patent, see rule 61.

(b) A specification, including a claim or claims, see rules 71 to 77.

(c) An oath, see rule 65.

(d) Drawings, when necessary, see rules 81 to 88.

(e) The prescribed filing fee. (See rule 21 for filing fees.)

[Rule 30]

52 **Language, paper, writing, margins.** (a) The petition, specification, and oath must be in the English language. All papers which are to become a part of the permanent records of the Patent Office must be legibly written or printed in permanent ink.

(b) The specification and claims, and also papers subsequently filed, must be plainly written on but one side of the paper. A wide margin must be reserved on the left-hand side and on the top of each page and the lines must not be crowded too closely together. Legal paper, 8 to 8½ by 12½ to 13 inches, typewritten and double spaced with margins of one and one-half inches on the left-hand side and top is deemed preferable. Typewritten or printed papers suitable for use by the Office may be required if the papers originally filed are not correctly, legibly and clearly written.

(c) Any interlineation, erasure or cancellation or other alteration made before the application was signed and sworn to should be clearly referred to in a marginal note or footnote on the same sheet of paper, and initialed or signed and dated by the applicant to indicate such fact. (See rule 56.)

[Rules 30, 45]

53 **Application accepted and filed for examination only when complete.** An application for a patent will not be accepted and placed upon the files for examination until all its required parts, complying with the rules relating thereto, are received, except that certain minor informalities may be waived subject to subsequent correction whenever required.

If the papers and parts are incomplete, or so defective that they cannot be accepted as a complete application for examination, the applicant will be notified; the papers will be held six months for completion and, if not by then completed, will be stored as an abandoned incomplete application and eventually destroyed or otherwise disposed of; the fee submitted will be refunded.

[Rule 31, pars. 1, 5]

54 **Parts of application to be filed together.** It is desirable that all parts of the complete application be deposited in the Office together; otherwise a letter must accompany each part, accurately and clearly connecting it with the other parts of the application.

[Rule 32]

55 **Serial number and filing date of application.** Complete applications are numbered in regular order, and the applicant will be informed of the serial number and filing date of the application by a filing receipt. The filing date of the application is the date on which the complete application, acceptable for placing on the files for examination, is received in the Patent Office; or the date on which the last part completing such application is received in the case of an incomplete or defective application completed within six months.

NOTE. See R. S. 4887; 35 U. S. C. 32, second paragraph, for right to rely on filing date of foreign application.

[Rule 31, pars. 3, 4]

56 **Improper applications.** Any application signed or sworn to in blank, or without actual inspection by the applicant, and any application altered or partly filled in after being signed or sworn to, and also any application fraudulently filed or in connection with which any fraud is practiced or attempted on the Patent Office, may be stricken from the files.

[Rule 31, par. 2]

57 **Signatures.** The petition, the specification and claim, and the oath, must be signed by the applicant in person. Full names must be given, including the full first name without abbreviation, and the middle initial or name if any.

58 **Single signature form.** The petition, oath, specification and claim, and power of attorney may be included in a single document and may be executed by a single signature of the applicant if an approved single signature form supplied by the Office or approved by the Office is used.

[Rule 30A]

59 **Papers of complete application not to be returned.** The papers in a complete application will not be returned for any purpose whatever. If applicants have not preserved copies of the papers, the Office will furnish copies at the usual cost. See rule 87 for return of drawing.

[Rule 72, par. 1]

PETITION

61 **Petition.** The petition must be addressed to the Commissioner of Patents and must state the name, residence, and post office address of the petitioner and request the grant of a patent; designate by title the invention sought to be patented; contain a reference to the specification for a full disclosure of such invention; and must be signed by the applicant in person.

The power of attorney or authorization of agent may be incorporated in the petition.

In the single signature form, the statements above required for a separate petition do not all appear in the petition paragraph and are differently arranged. (See rule 58.)

[Rule 33]

THE OATH

65 **Oath of applicant.** (a) The applicant, if the inventor, must make oath or affirmation that he does verily believe himself to be the original and first inventor or discoverer of the art, machine, manufacture, composition, or improvement, or of the variety of plant, for which he solicits a patent; that he does not know and does not believe that the same was ever known or used before his invention or discovery thereof, and shall state of what country he is a citizen and where he resides, and whether he is a sole or joint inventor of the invention claimed in his application. In every original application the applicant must distinctly state under oath that to the best of his knowledge and belief the invention has not been in public use or on sale in the United States for more than one year prior to his application, or patented or described in any printed publication in any country before his invention or more than one year prior to his application, or patented in any foreign country on an application filed by himself or his legal representatives or assigns more than twelve months prior to his application in this country. If any application for patent has been filed in any foreign country by the applicant in this country, or by his legal representative or assigns, prior to his application in this country, he shall state the country or countries in which such application has been filed, giving the date of such application, and shall also state that no application has been filed in any other country or countries than those mentioned, and if no application for patent has been filed in any foreign country, he shall so state. This oath must be subscribed to by the affiant.

(b) If the application be made by an executor or administrator of a deceased person or the guardian, conservator, or representative of an insane person, the oath shall state the relationship of the affiant to the inventor and, upon information and belief, the facts which the inventor is required by this rule to make oath to.

(c) An additional oath may be required if the application has not been filed in the Patent Office within a reasonable time after the execution of the original oath.

(d) In the case of applications for patent for inventions to which section 3 of 61 Stat. 794; Public Law 380, August 6, 1947; 35 U.S.C., Supp., 101 note, applies, the oath should include a statement that the invention was not made before January 1, 1946, or was not made before January 1, 1946 in Germany or Japan or in the territory of any other of the Axis Powers or in any territory occupied by the Axis forces. If not included in the oath, a separate affidavit will be required.

[Rule 46]

66 **Officers authorized to administer oaths.** (a) The oath or affirmation may be made before any person within the United States authorized by law to administer oaths, or, when the applicant resides in a foreign country, before any minister, chargé d'affaires, consul, or commercial agent holding commission under the Government of the United States, or before any notary public, judge, or magistrate having an official seal and authorized to administer oaths in the foreign country in which the applicant may be, whose authority shall be proved by a certificate of a diplomatic or consular officer of the United States, the oath being attested in all cases in this and other countries, by the proper official seal of the officer before whom the oath or affirmation is made, except that no oath or affirmation may be administered by any attorney or agent appearing in the case. When the person before whom the oath or affirmation is made in this country is not provided with a seal, his official character shall be established by competent evidence, as by a certificate from a clerk of a court of record or other proper officer having a seal.

(b) When the oath is taken before an officer in a country foreign to the United States, all the application papers, except the drawings, must be attached together and a ribbon passed one or more times through all the sheets of the application, except the drawings, and the ends of said ribbon brought together under the seal before the latter is affixed and impressed, or each sheet must be impressed with the official seal of the officer before whom the oath is taken. If the papers as filed are not properly ribboned or each sheet impressed with the seal, the case will be accepted for examination but before it is allowed, duplicate papers, prepared in compliance with the foregoing sentence, must be filed.

[Rule 47]

67 **Supplemental oath for matter not originally claimed.** (a) When an applicant presents a claim for matter originally shown or described but not substantially embraced in the statement

of invention or claim originally presented, he shall file a supplemental oath to the effect that the subject matter of the proposed amendment was part of his invention; that he does not know and does not believe that the same was ever known or used before his invention or discovery thereof, or patented or described in any printed publication in any country before his invention or discovery thereof, or more than one year before his application, or in public use or on sale in the United States for more than one year before the date of his application, that said invention has not been patented in any foreign country on an application filed by himself or his legal representatives or assigns more than twelve months prior to his application in the United States, and has not been abandoned. Such supplemental oath should accompany and properly identify the proposed amendment, otherwise the proposed amendment may be refused consideration.

(b) In proper cases the oath here required may be made on information and belief by an executor or administrator of a deceased person or a guardian, conservator, or representative of an insane person.

[Rule 48]

SPECIFICATION

71 **Detailed description and specification of the invention.** (a) The specification must include a written description of the invention or discovery and of the manner and process of making, constructing, compounding, and using the same, and is required to be in such full, clear, concise, and exact terms as to enable any person skilled in the art or science to which the invention or discovery appertains, or with which it is most nearly connected, to make, construct, compound, and use the same.

(b) The specification must set forth the precise invention for which a patent is solicited, in such manner as to distinguish it from other inventions and from what is old. It must describe completely a specific embodiment of the process, machine, manufacture, composition of matter or improvement invented, and must explain the mode of operation or principle whenever applicable. The best mode devised by the inventor of carrying out his invention must be set forth.

(c) In the case of an improvement, the specification must particularly point out the part or parts of the process, machine, manufacture, or composition of matter to which the improvement relates, and the description should be confined to the specific improvement and to such parts as necessarily cooperate with it or as may be necessary to a complete understanding or description of it.

[Rules 34, 35, 36]

72 **Title of the invention.** The title of the invention, which should be as short and specific as possible, should appear as a heading on the first page of the specification.

73 **Summary of the invention.** A brief summary of the invention indicating its nature and substance, which may include a statement of the object of the invention, should precede the detailed description. Such summary should, when set forth, be commensurate with the invention as claimed and any object recited should be that of the invention as claimed.

74 **Reference to drawings.** When there are drawings, there shall be a brief description of the several views of the drawings and the detailed description of the invention shall refer to the different views by specifying the numbers of the figures, and to the different parts by use of reference letters or numerals (preferably the latter).

[Rule 38]

75 **Claim.** (a) The specification must conclude with a claim particularly pointing out and distinctly claiming the part, improvement, or combination which the applicant regards as his invention or discovery.

(b) More than one claim may be presented, provided they differ substantially from each other and are not unduly multiplied.

(c) When more than one claim is presented, they may be placed in dependent form in which a claim may refer back to and further restrict a single preceding claim.

(d) The claim or claims must conform to the invention as set forth in the remainder of the specification and the terms and phrases used in the claims must find clear support or antecedent basis in the description so that the meaning of the terms in the claims may be ascertainable by reference to the description.

See rules 141 to 147 as to claiming different inventions in one application.

[Rule 37]

76 **Signature to the specification.** The specification and claim must be signed by the applicant in person. See rules 57 and 58.

[Rule 40]

77 **Arrangement of specification.** The following order of arrangement should be observed in framing the specification:

(a) Title of the invention; or a preamble stating the name, citizenship and residence of the applicant and the title of the invention may be used.

(b) Brief summary of the invention.

(c) Brief description of the several views of the drawing, if there are drawings.

(d) Detailed description.

(e) Claim or claims.

(f) Signature.

[Rule 39]

78 **Cross-references to other applications.** (a) When an applicant files an application claiming an invention disclosed in a prior filed application of the same applicant, the second application must contain a reference to the prior application, identifying it by serial number and filing date and indicating the relationship of the applications. When an applicant files, or a common assignee owns, two or more applications relating to the same subject matter of invention, with one or more of the applications disclosing unclaimed matter that is disclosed and claimed in another of the applications, the applications not claiming it must refer to and identify the application claiming it. Cross-references to other related applications may be made when appropriate. See rule 14 (b).

(b) Where two or more applications filed by the same applicant, or owned by the same party, contain conflicting claims, elimination of such claims from all but one application may be required in the absence of good and sufficient reason for their retention in more than one application.

[Rules 43, 94, par. 5]

79 **Reservation clauses not permitted.** A reservation for a future application of subject matter disclosed but not claimed in a pending application will not be permitted in the pending application.

[Rule 44]

THE DRAWINGS

81 **Drawings required.** The applicant for patent is required by statute to furnish a drawing of his invention whenever the nature of the case admits of it; this drawing must be filed with the application. Illustrations facilitating an understanding of the invention (for example, flow sheets in cases of processes, and diagrammatic views) may also be furnished in the same manner as drawings, and may be required by the Office when considered necessary or desirable.

[Rule 49]

82 **Signature to drawing.** The drawing must either be signed by the applicant in person or have the name of the applicant placed thereon followed by the signature of the attorney or agent as such.

[Rule 50]

83 **Content of drawing.** The drawing must show every feature of the invention specified in the claims. When the invention consists of an improvement on an old machine the drawing must when possible exhibit, in one or more views, the improved portion itself, disconnected from the old structure, and also in another view, so much only of the old structure as will suffice to show the connection of the invention therewith.

[Rule 50]

84 **Standards for drawings.** The complete drawing is printed and published when the patent issues, and a copy is attached to the patent. This work is done by the photolithographic process, the sheets of drawings being reduced about one-third in size. In addition, a reduction of a selected portion of the drawings of each application is published in the Official Gazette. It is therefore necessary for these and other reasons that the character of each drawing be brought as nearly as possible to a uniform standard of execution and excellence, suited to the requirements of the reproduction process and of the use of the drawings, to give the best results in the interests of inventors, of the Office, and of the public. The following regulations with respect to drawings are accordingly prescribed:

(a) *Paper and ink.* Drawings must be made upon pure white paper of a thickness corresponding to two-ply or three-ply Bristol board. The surface of the paper must be calendered and smooth and of a quality which will permit erasure and correction. India ink alone must be used for pen drawings to secure perfectly black solid lines. The use of white pigment to cover lines is not acceptable.

(b) *Size of sheet and margins.* The size of a sheet on which a drawing is made must be exactly 10 by 15 inches. One inch from its edges a single marginal line is to be drawn, leaving the "sight" precisely 8 by 13 inches. Within this margin all work and signatures must be included. One of the shorter sides of the sheet is regarded as its top, and, measuring down from the marginal line, a space of not less than 1¼ inches is to be left blank for the heading of title, name, number, and date, which will be applied subsequently by the Office in a uniform style.

(c) *Character of lines.* All drawings must be made with drafting instruments or by photolithographic process which will give them satisfactory reproduction characteristics. Every line and letter (signatures included) must be absolutely black. This direction applies to all lines however fine, to shading, and to lines representing cut surfaces in sectional views. All lines must be clean, sharp, and solid, and fine or crowded lines should be avoided. Solid black should not be used for sectional or surface shading. Freehand work should be avoided wherever it is possible to do so.

(d) *Hatching and shading.* Hatching should be made by oblique parallel lines, which may be not less than about one-twentieth inch apart.

Heavy lines on the shade side of objects should be used except where they tend to thicken the work and obscure reference characters. The light should come from the upper left hand corner at an angle of 45°. Surface delineations should be shown by proper shading, which should be open.

(e) *Scale.* The scale to which a drawing is made ought to be large enough to show the mechanism without crowding when the drawing is reduced in reproduction, and views of portions of the mechanism on a larger scale should be used when necessary to show details clearly; two or more sheets should be used if one does not give sufficient room to accomplish this end, but the number of sheets should not be more than is necessary.

(f) *Reference characters.* The different views should be consecutively numbered figures. Reference numerals (and letters, but numerals are preferred) must be plain, legible and carefully formed, and not be encircled. They should, if possible, measure at least one-eighth of an inch in height so that they may bear reduction to one-twenty-fourth of an inch; and they may be slightly larger when there is sufficient room. They must not be so placed in the close and complex parts of the drawing as to interfere with a thorough comprehension of the same, and therefore should rarely cross or mingle with the lines. When necessarily grouped around a certain part, they should be placed at a little distance, at the closest point where there is available space, and connected by lines with the parts to which they refer. They should not be placed upon hatched or shaded surfaces but when necessary, a blank space may be left in the hatching or shading where the character occurs so that it shall appear perfectly distinct and separate from the work. The same part of an invention appearing in more than one view of the drawing must always be designated by the same character, and the same character must never be used to designate different parts.

(g) *Symbols, legends.* Graphical drawing symbols for conventional elements may be used when appropriate, subject to approval by the Office. The elements for which such symbols are used must be adequately identified in the specification.

While descriptive matter on drawings is not permitted, suitable legends may be used, or may be required in proper cases, as in diagrammatic views and flow sheets. The lettering should be as large as, or larger than, the reference characters.

(h) *Location of signature and names.* The signature of the applicant, or the name of the applicant and signature of the attorney or agent, should be placed in the lower right hand corner of each sheet within the marginal line. Signatures of witnesses are not required. The title of the invention must not be placed on the drawing but may be written in pencil below the lower marginal line.

(i) *Views.* The drawing must contain as many figures as may be necessary to show the invention; the figures should be consecutively numbered if possible in the order in which they appear. The figures may be plan, elevation, section, or perspective views, and detail views of portions or elements, on a larger scale if necessary may also be used. Exploded views, with the separated parts of the same figure embraced by a bracket, to show the relationship or order of assembly of various parts are permissible. When necessary, a view of a large machine or device in its entirety may be broken and extended over several sheets if there is no loss in facility of understanding the view (the different parts should be identified by the same figure number but followed by the letters, *a*, *b*, *c*, etc., for each part). The plane upon which a sectional view is taken should be indicated on the general view by a broken line, the ends of which should be designated by numerals corresponding to the figure number of the sectional view and have arrows applied to indicate the direction in which the view is taken. A moved position may be shown by a broken line superimposed upon a suitable figure if this can be done without crowding, otherwise a separate figure must be used for this purpose. Modified forms of construction can only be shown in separate figures. Views should not be connected by projection lines nor should center lines be used.

(j) *Arrangement of views.* All views on the same sheet must stand in the same direction and should, if possible, stand so that they can be read with the sheet held in an upright position. If views longer than the width of the sheet are necessary for the clearest illustration of the invention, the sheet may be turned on its side. The space for a heading must then be reserved at the right and the signatures placed at the left, occupying the same space and position on the sheet as in the upright views and being horizontal when the sheet is held in an upright position. One figure must not be placed upon another or within the outline of another.

(k) *Figure for Official Gazette.* The drawing should, as far as possible, be so planned that one of the views will be suitable for publication in the Official Gazette as the illustration of the invention.

(l) *Extraneous matter.* An agent's or attorney's stamp, or address, or other extraneous matter, will not be permitted upon the face of a drawing, within or without the marginal line, except that the title of the invention in pencil, and identifying indicia, to distinguish from other drawings filed at the same time, may be placed below the lower margin.

(m) *Transmission of drawings.* Drawings transmitted to the Office should be sent flat, protected by a sheet of heavy binder's board, or may be rolled for transmission in a suitable mailing tube; but must never be folded. If received creased or mutilated, new drawings will be required.

See rule 152 for design drawings, 165 for plant drawings, and 174 for reissue drawings.

[Rule 52]

85 **Informal drawings.** The requirements of rule 84 relating to drawings will be strictly enforced. A drawing not executed in conformity thereto may be admitted for purpose of examination, but in such case the drawing must be corrected or a new one furnished, as required. The necessary corrections will be made by the Office upon applicant's request and at his expense. (See rule 21.)

[Rule 54]

86 **Draftsman to make drawings.** Applicants are advised to employ competent draftsmen to make their drawings.

The Office may furnish the drawings at the applicant's expense as promptly as its draftsmen can make them, for applicants who can not otherwise conveniently procure them. (See rule 21.)

[Rule 55]

87 **Return of drawings.** The drawing of an accepted application will not be returned to the applicant except for signature.

A photographic print is made of the drawing of an accepted application.

88 **Use of old drawings.** If the drawings of a new application are to be identical with the drawings of a previous application of the applicant on file in the Office, or with part of such drawings, the old drawings or any sheets thereof may be used if the prior application is, or is about to be, abandoned, or if the sheets to be used are cancelled in the prior application. The new application must be accompanied by a letter requesting the transfer of the drawings, which should be completely identified.

MODELS, EXHIBITS, SPECIMENS

91 **Models not generally required as part of application or patent.** Models were once required in all cases admitting a model, as a part of the application, and these models became a part of the record of the patent. Such models are no longer generally required (the description of the invention in the specification, and the drawings, must be sufficiently full and complete, and capable of being understood, to disclose the invention without the aid of a model), and will not be admitted unless specifically called for.

[Rules 56, 57, 58]

92 **Model or exhibit may be required.** A model, working model, or other physical exhibit, may be required if deemed necessary for any purpose on examination of the application.

[Rule 59]

93 **Specimens.** When the invention is a composition of matter, the applicant may be required to furnish specimens of the composition, and of its ingredients or intermediates, sufficient in quantity for the purpose of experiment.

[Rule 62]

94 **Return of models, exhibits or specimens.** Models, exhibits, or specimens in applications which have become abandoned, and also in other application on conclusion of the prosecution, may be returned to the applicant upon demand and at his expense, unless it be deemed necessary that they be preserved in the Office. Such physical exhibits in contested cases may be returned to the parties at their expense. If not claimed within a reasonable time, they may be disposed of at the discretion of the Commissioner.

[Rules 60, 61]

95 **Copies of exhibits.** Copies of models or other physical exhibits will not ordinarily be furnished by the Office, and any model or exhibit in an application or patent shall not be taken from the Office except in the custody of an employee of the Office specially authorized by the Commissioner.

[Rule 60]

EXAMINATION OF APPLICATIONS

101 **Order of examination.** Applications filed in the Patent Office and accepted as complete applications (rules 53 and 55) are assigned for examination to the respective examining divisions having the classes of inventions to which the applications relate. Applications shall be taken up for examination by the examiner to whom they have been assigned in the order in which they have been filed.

Applications which have been acted upon by the examiner, and which have been placed by the applicant in condition for further action by the examiner (amended applications) shall be taken up for such action in the order in which they have been placed in such condition (date of amendment).

[Rule 63, pars. 1, 2]

102 **Advancement of examination.** Applications will not be advanced out of turn for examination or for further action except as provided by these rules, or upon order of the Commissioner to expedite the business of the Office, or upon a verified showing which, in the opinion of the Commissioner, will justify so advancing it.

Applications wherein the inventions are deemed of peculiar importance to some branch of the public service and the head of some department of the Government requests immediate action for that reason, may be advanced for examination; but in this case it shall be the duty of the head of that department to be represented before the Commissioner in order to prevent the improper issue of a patent. (See 29 Stat. 694; 35 U. S. C. 43.)

[Rule 63, pars. 3 and 5]

103 **Suspension of action.** Suspension of action by the Office will be granted at the request of the applicant for good and sufficient cause and for a reasonable time specified. Only one suspension may be granted by the primary examiner; any further suspension must be approved by the Commissioner.

If action on an application is suspended when not requested by the applicant, the applicant shall be notified of the reasons therefor.

Action by the examiner may be suspended by order of the Commissioner in the case of applications owned by the United States whenever publication of the invention by the granting of a patent thereon might be detrimental to the public safety or defense, at the request of the appropriate department or agency.

[Rule 77, pars. 5, 6]

104 **Nature of examination, examiner's action.** (a) On taking up an application for examination, the examiner shall make a thorough study thereof and shall make a thorough investigation of the available prior art relating to the subject matter of the invention sought to be patented. The examination shall be complete with respect both to compliance of the application with the statutes and rules and to the patentability of the invention as claimed, as well as with respect to matters of form, unless otherwise indicated.

(b) The applicant will be notified of the examiner's action. The reasons for any adverse action or any objection or requirement will be stated and such information or references will be given as may be useful in aiding the applicant to judge of the propriety of continuing the prosecution of his application.

105 **Completeness of examiner's action.** The examiner's action will be complete as to all matters, except that in appropriate circumstances, such as misjoinder of invention, fundamental defects in the application, and the like, the action of the examiner may be limited to such matters before further action is made. However, matters of form need not be raised by the examiner until a claim is found allowable.

[Rule 64]

106 **Rejection of claims.** If the invention is not considered patentable, or not considered patentable as claimed, the claims, or those considered unpatentable will be rejected.

In rejecting claims for want of novelty or for want of invention, the examiner must cite the best references at his command. When a reference is complex or shows or describes inventions other than that claimed by the applicant, the particular part relied on must be designated as nearly as practicable. The pertinence of each reference, if not obvious, must be clearly explained and each rejected claim specified.

[Rule 66, par. 1]

107 **Citation of references.** If domestic patents be cited, their numbers and dates, the names of the patentees, and the classes of inventions must be stated. If foreign patents be cited, their nationality or country, numbers and dates, and the names of the patentees must be stated, and such other data must be furnished as may be necessary to enable the applicant to identify the patents cited. In citing foreign patents, the number of pages of specification and sheets of drawing must be specified, and in case part only of the patent be involved, the particular pages and sheets containing the parts relied upon must be identified. If printed publications be cited, the author (if any), title, date, pages or plates, and place of publication, or place where a copy can be found, shall be given. When a rejection is based on facts within the personal knowledge of an employee of the Office, the data shall be as specific as possible, and the reference must be supported, when called for by the applicant, by the affidavit of such employee, and such affidavit shall be subject to contradiction or explanation

by the affidavits of the applicant and other persons.

[Rule 66, par. 2]

108 **Abandoned and forfeited applications not cited.** Abandoned and forfeited applications as such will not be cited as references.

[Rule 177]

ACTION BY APPLICANT AND FURTHER CONSIDERATION

111 **Reply by applicant.** (a) After the Office action, if adverse in any respect, the applicant, if he persist in his application for a patent, must reply thereto and may request re-examination or reconsideration, with or without amendment.

(b) In order to be entitled to re-examination or reconsideration, the applicant must make request therefor in writing, and he must distinctly and specifically point out the supposed errors in the examiner's action; the applicant must respond to every ground of objection and rejection in the prior Office action (except that request may be made that objections or requirements as to form not necessary to further consideration of the claims to be held in abeyance until a claim is allowed), and the applicant's action must appear throughout to be a bona fide attempt to advance the case to final action. The mere allegation that the examiner has erred will not be received as a proper reason for such re-examination or reconsideration.

(c) In amending an application in response to a rejection, the applicant must clearly point out the patentable novelty which he thinks the claims present in view of the state of the art disclosed by the references cited or the objections made. He must also show how the amendments avoid such references or objections.

See rules 135 and 136 for time for reply.

[Rules 68, par. 1, 69]

112 **Re-examination and reconsideration.** After response by applicant (rule 111) the application will be re-examined and reconsidered, and the applicant will be notified if claims are rejected, or objections or requirements made, in the same manner as after the first examination. Applicant may respond to such Office action, in the same manner provided in rule 111, with or without amendment, but any amendments after the second Office action must ordinarily be restricted to the rejection or to the objections or requirements made, and the application will be again considered, and so on repeatedly, unless the examiner has indicated that the action is final.

113 **Final rejection or action.** (a) On the second or any subsequent examination or consideration, the rejection or other action may be made final, whereupon applicant's response is limited to appeal in the case of rejection of any claim (rule 191) or to amendment as specified in rule 116. Petition may be taken to the Commissioner in the case of objections or requirements not involved in the rejection of any claim (rule 181). Response to a final rejection or action must include cancellation of, or appeal from the rejection of, each claim so rejected and, if any claim stands allowed, compliance with any requirement or objection as to form.

(b) In making such final rejection, the examiner shall repeat or state all grounds of rejection then considered applicable to the claims in the case, clearly stating the reasons therefor.

AMENDMENTS

115 **Amendment by applicant.** The applicant may amend before or after the first examination and action, and also after the second or subsequent examination or reconsideration as specified in rule 112 or when and as specifically required by the examiner.

[Rule 68, par. 1]

116 **Amendments after final action.** (a) After final rejection or action (rule 113) amendments may be made cancelling claims or complying with any requirement of form which has been made, and amendments presenting rejected claims in better form for consideration on appeal may be admitted; but the admission of any such amendment or its refusal, and any proceedings relative thereto, shall not operate to relieve the application from its condition as subject to appeal or to save it from abandonment under rule 135.

(b) If amendments touching the merits of the application be presented after final rejection, or after appeal has been taken, or when such amendment might not otherwise be proper, they may be admitted upon a showing of good and sufficient reasons why they are necessary and were not earlier presented.

(c) No amendment can be made as a matter of right in appealed cases. After decision on appeal, amendments can only be made as provided in rule 198, or to carry into effect a recommendation under rule 196.

[Rule 68, pars. 2, 3, 5]

117 **Amendment and revision required.** The specification, claims and drawing must be amended and revised when required, to correct inaccuracies of description and definition or unnecessary prolixity, and to secure correspondence between the claims, the specification and the drawing.

[Rule 71]

118 **Amendment of disclosure.** In original applications, all amendments of the drawings or specifications, and all additions thereto, must conform to at least one of them as it was at the time of the filing of the application. Matter not found in either, involving a departure from or an addition to the original disclosure, cannot be added to the application even though supported by a supplemental oath, and can be shown or claimed only in a separate application.

[Rule 70]

119 **Amendment of claims.** The claims may be amended by cancelling particular claims, by presenting new claims, or by amending the language of particular claims (such amended claims being in effect new claims). In presenting new or amended claims, the applicant must point out how they avoid any reference or ground of rejection of record which may be pertinent.

121 **Manner of making amendments.** Erasures, additions, insertions, or alterations of the papers and records must not be made by the applicant. Amendments are made by filing a paper (which should conform to rule 52), directing or requesting that specified amendments be made. The exact word or words to be stricken out or inserted in the application must be specified and the precise point indicated where the deletion or insertion is to be made.

[Rule 73, par. 1]

122 **Entry and consideration of amendments.** (a) Amendments are "entered" by the Office by making the proposed deletions by drawing a line in red ink through the word or words cancelled, and by making the proposed substitutions or insertions in red ink, small insertions being written in at the designated place and larger insertions being indicated by reference.

(b) Ordinarily all amendments presented in a paper filed while the application is open to amendment are entered and considered, subsequent cancellation or correction being required of improper amendments. Untimely amendatory papers may be refused entry and consideration in whole or in part.

123 **Amendments to the drawing.** (a) No change in the drawing may be made except by permission of the Office. Permissible changes in the construction shown in any drawing may be made only by the Office. A sketch in permanent ink showing proposed changes, to become part of the record, must be filed. The paper requesting amendments to the drawing should be separate from other papers. The drawing may not be withdrawn from the Office except for signature.

(b) Substitute drawings will not ordinarily be admitted in any case unless required by the Office.

[Rule 72, par. 2]

124 **Amendment of amendments.** When an amendatory clause is to be amended, it should be wholly rewritten and the original insertion cancelled, so that no interlineations or deletions shall appear in the clause as finally presented. Matter cancelled by amendment can be reinstated only by a subsequent amendment presenting the cancelled matter as a new insertion.

[Rule 74]

125 **Substitute specification.** If the number or nature of the amendments shall render it difficult to consider the case, or to arrange the papers for printing or copying, the examiner may require the entire specification or claims, or any part thereof, to be rewritten. A substitute specification will ordinarily not be accepted unless it has been required by the examiner.

[Rule 74]

126 **Numbering of claims.** The original numbering of the claims must be preserved throughout the prosecution. When claims are cancelled, the remaining claims must not be renumbered. When claims are added by amendment or substituted for cancelled claims, they must be numbered by the applicant consecutively beginning with the number next following the highest numbered claim previously presented (whether entered or not). When the application is ready for allowance, the examiner, if necessary, will renumber the claims consecutively in the order in which they appear or in such order as may have been requested by applicant.

[Rule 73, par. 2]

127 **Petition from refusal to admit amendment.** From the refusal of the primary examiner to admit an amendment, in whole or in part, a petition will lie to the Commissioner under rule 181.

[Rule 68, par. 4]

AFFIDAVITS OVERCOMING REJECTIONS

131 **Affidavit of prior invention to overcome cited patent or publication.** (a) When any claim of an application is rejected on reference to a domestic patent which substantially shows or describes but does not claim the rejected invention, or on reference to a foreign patent or to a printed publication, and the applicant shall make oath to facts showing a completion of the invention in this country before the filing date of the application on which the domestic patent issued, or before the date of the foreign patent, or before the date of the printed publication, then the patent or publication cited shall not bar the grant of a patent to the applicant, unless the date of such patent or printed publication be more than one year prior to the date on which the application was filed in this country.

(b) The showing of facts shall be such, in character and weight, as to establish reduction to practice prior to the effective date of the reference, or conception of the invention prior to the effective date of the reference coupled with due diligence from said date to a subsequent reduction to practice or to the filing of the application. Original exhibits of drawings or records, or photographic or photostatic copies thereof, must accompany and form part of the affidavit or their absence satisfactorily explained.

[Rule 75]

132 **Affidavits traversing grounds of rejection.** When any claim of an application is rejected on reference to a domestic patent which substantially shows or describes but does not claim the invention, or on reference to a foreign patent, or to a printed publication, or to facts within the personal knowledge of an employee of the Office, or when rejected upon a mode or capability of operation attributed to a reference, or because the alleged invention is held to be inoperative or lacking in utility, or frivolous or injurious to public health or morals, affidavits traversing these references or objections may be received.

[Rule 76]

INTERVIEWS

133 **Interviews.** (a) Interviews with examiners concerning applications and other matters pending before the Office must be had in the examiners' rooms at such times, within office hours, as the respective examiners may designate. Interviews will not be permitted at any other time or place without the authority of the Commissioner. Interviews for the discussion of the patentability of pending applications will not be had before the first official action thereon. Interviews should be arranged for in advance.

(b) In every instance where reconsideration is requested in view of an interview with an examiner, a complete written statement of the reasons presented at the interview as warranting favorable action must be filed by the applicant. An interview does not remove the necessity for response to Office actions as specified in rules 111, 135.

[Rules 13, 68, par. 1]

TIME FOR RESPONSE BY APPLICANT; ABANDONMENT OF APPLICATION

135 **Abandonment for failure to respond within time limit.** (a) If an applicant fails to prosecute his application within six months after the date when the last official notice of any action by the Office was mailed to him, or within such shorter time as may be fixed (rule 136), the application will become abandoned.

(b) Prosecution of an application to save it from abandonment must include such complete and proper action as the condition of the case may require. The admission of an amendment not responsive to the last official action, or refusal to admit the same, and any proceedings relative thereto, shall not operate to save the application from abandonment.

(c) When action by the applicant is a bona fide attempt to advance the case to final action, and is substantially a complete response to the examiner's action, but consideration of some matter or compliance with some requirement has been inadvertently omitted, opportunity to explain and supply the omission may be given before the question of abandonment is considered.

(d) Prompt ratification or filing of a correctly signed copy may be accepted in case of an unsigned or improperly signed paper.

See rule 7.

[Rules 77, par. 1; 171, par. 2]

136 **Time less than six months.** (a) An applicant may be required to prosecute his application in a shorter time than six months, but not less than thirty days, whenever such shorter time is deemed necessary or expedient. Unless the applicant is notified in writing that response is required in less than six months, the maximum period of six months is allowed.

(b) The time for reply, when a time less than six months has been set, will be extended only for good and sufficient cause, and for a reasonable time specified. Any request for such extension must be filed on or before the day on which action by the applicant is due, but in no case will the mere filing of the request effect any extension. Only one extension may be granted by the primary examiner in his discretion; any further extension must be approved by the Commissioner. In no case can any extension carry the date on which response to an action is due beyond six months from the date of the action.

[Rule 77, pars. 2, 3]

137 **Revival of abandoned application.** An application abandoned for failure to prosecute may be revived as a pending application if it is shown to the satisfaction of the Commissioner that the delay was unavoidable. A petition to revive an abandoned application must be accompanied by a verified showing of the causes of the delay, by the proposed response unless it has been previously filed, and by the petition fee.

[Rule 172]

138 **Express abandonment.** An application may be expressly abandoned by filing in the Patent Office a written declaration of abandonment, signed by the applicant himself and the assignee of record, if any, and identifying the application.

[Rule 171, par. 1]

JOINDER OF INVENTIONS IN ONE APPLICATION; DIVISION

141 **Different inventions in one application.** Two or more independent inventions can not be claimed in one application; but (a) where several distinct inventions are dependent upon each other and mutually contribute to produce a single result they may be claimed in one application, and (b) more than one species of an invention, not to exceed three, may be specifically claimed in different claims in one application, if that application also includes an allowable claim generic to all the claimed species.

[Rule 41]

142 **Requirement for division.** (a) If two or more inventions are claimed in a single application, and they are of such a nature that a single patent may not be issued to cover them the applicant will be required to limit the claims to whichever invention he may elect, this official action being called a requirement for division. If the divisibility of the inventions be clear, such requirement will be made before any other action on the merits; however, it may be made at any time before final action in the case, at the discretion of the examiner.

(b) Claims to the invention or inventions not elected, if not cancelled, are nevertheless withdrawn from further consideration by the examiner by the election, subject however to reinstatement in the event the requirement for division is withdrawn or overruled.

[Rule 42]

143 **Reconsideration of requirement.** (a) If the applicant disagrees with the requirement for division, he may request reconsideration and withdrawal or modification of the requirement, giving the reasons therefor (see rule 111). In requesting reconsideration the applicant must indicate a provisional election of one invention for prosecution, which invention shall be the one elected in the event the requirement becomes final.

(b) The requirement for division will be reconsidered on such a request, but will not be repeated and made final without the written approval of an examiner of classification, a copy of which approval shall be supplied to the applicant. If the requirement is repeated and made final, the examiner will at the same time act on the claims to the invention elected.

[Rule 42]

144 **Appeal from requirement for division.** After a final requirement for division the applicant, in addition to making any response due on the remainder of the action, may appeal from the requirement. The prosecution of claims to the elected invention may be continued during such appeal. Appeal may be deferred until after final action on or allowance of the claims to the invention elected. Appeal may not be taken if reconsideration of the requirement was not requested.

[Rule 42]

145 **Subsequent presentation of claims for different invention.** If, after an Office action on an application, the applicant presents claims directed to an invention divisible from the invention previously claimed, such claims, if the amendment is entered, will be rejected and the applicant will be required to limit the claims to the invention previously claimed. Such rejection and requirement will not be repeated and made final without the written approval of an examiner of classification.

146 **Election of species.** In the first action on an application containing a generic claim and claims restricted separately to each of more than one species embraced thereby, the examiner, if of the opinion after a complete search on the generic claims that no generic claim presented is allowable, shall require the applicant in his response to that action to elect that species of his invention to which his claims shall be restricted if no generic claim is finally held allowable. However, if such application contains claims directed to more than three species, the examiner may require restriction of the claims to not more than three species before taking any further action in the case.

[Rule 41]

147 **Separate application for invention not elected.** The non-elected inventions, those not elected after a requirement for division (rule 142), may be made the subjects of separate applications, which must conform to the rules applicable to original applications and which will be examined in the same manner as original applications. However, if such an application is filed before the original application is patented or becomes abandoned, and if it is identical with the original application as filed, the drawings being identical and the papers constituting an exact copy of the original papers which were signed and executed by the applicant, signing and execution by the applicant may be omitted; such application may consist of the filing fee, a copy of the drawings complying to rules relating to drawings and a certified typewritten copy of the original application as filed, together with a proposed amendment cancelling the irrelevant claims or other matter.

DESIGN PATENTS

151 **Rules applicable.** The rules relating to applications for patents for other inventions or discoveries are also applicable to applications for patents for designs except as otherwise provided.

[Rule 81]

152 **Drawing.** The design must be represented by a drawing made in conformity with the rules laid down for drawings of mechanical inventions and must contain a sufficient number of views to constitute a complete disclosure of the appearance of the article. Appropriate surface shading must be used to show the character or contour of the surfaces represented.

[Rule 84]

153 **Title, description and claim.** The title of the design must designate the particular article. No specific description, other than a reference to the drawing, is ordinarily required or permitted. The claim shall be in formal terms to the ornamental design for the article (specifying name) as shown, or as shown and described. More than one claim is neither required nor permitted.

[Rule 81]

154 **Arrangement of specification.** The following order of arrangement should be observed in framing design specifications:

(a) Preamble, stating name and residence of the applicant and title of the design.

(b) Description of the figure or figures of the drawing.

(c) Description, if any.

(d) Claim.

(e) Signature of applicant.

See rule 58.

[Rule 82]

155 **Term of design patent.** (a) The petition for a design patent should specify the term, 3½, 7, or 14 years, for which a design patent is sought; but if no term is specified, or if the term specified is greater than that covered by the fee paid, the application will be accepted as filed for a term corresponding to the fee received, and the applicant so notified.

(b) Where the applicant initially requests that the patent issue for one of the shorter terms, he may, at any time before the application is allowed and passed to issue, upon the payment of the additional sum necessary, amend his application by requesting that the patent be issued for a longer term. In order to afford the applicant an opportunity for making such an amendment and paying the additional sum, the Office may notify him before the application is allowed and passed to issue unless otherwise directed, but failure of the Office to send or of the applicant to receive such notification will not warrant any change in the term requested after the application is allowed and passed to issue.

[Rule 80]

PLANT PATENTS

161 **Rules applicable.** The rules relating to applications for patent for other inventions or discoveries are also applicable to applications for patents for plants except as otherwise provided.

162 **Applicant, oath.** The applicant for a plant patent must be the person who has invented or discovered and asexually reproduced the new and distinct variety of plant for which a patent is sought (or his executor or administrator, or guardian, as stated in rules 42 and 43). The oath required of the applicant, in addition to the averments required by rule 65, must state that he has asexually reproduced the plant.

163 **Specification.** The specification must contain as full and complete a disclosure as possible of the plant and the characteristics thereof that distinguish the same over related known varieties, and its antecedents, and must particularly point out where and in what manner the variety of plant has been asexually reproduced.

Two copies of the specification (including the claim) must be submitted, but only one need be signed and executed; the second copy may be a legible carbon copy of the original.

164 **Claim.** The claim shall be in formal terms to the new and distinct variety of the specified plant as described and illustrated, and may also recite the principal distinguishing characteristics. More than one claim is neither required nor permitted.

165 **Drawings.** Plant patent drawings are not mechanical drawings and should be artistically and competently executed. Figure numbers and reference characters need not be employed unless required by the examiner. The drawing must

rules 83 and 84. On filing divisional reissue ap-

(f) The mere filing of a petition will not stay

disclose all the distinctive characteristics of the plant capable of visual representation.

The drawing may be in color and when color is a distinguishing characteristic of the new variety, the drawing must be in color. Two copies of color drawings must be submitted. Color drawings may be made either in permanent water color or oil, or in lieu thereof may be photographs made by color photography or properly colored on sensitized paper. The paper in any case must correspond in size, weight and quality to the paper required for other drawings.

166 **Specimens.** The applicant may be required to furnish specimens of the plant, or its flower or fruit, in a quantity and at a time in its stage of growth as may be designated, for study and inspection. Such specimens, properly packed, must be forwarded in conformity with instructions furnished to the applicant. When it is not possible to forward such specimens, plants must be made available for official inspection where grown.

167 **Examination.** Applications may be submitted by the Patent Office to the Department of Agriculture for study and report.

Affidavits from qualified agricultural or horticultural experts regarding the novelty and distinctiveness of the variety of plant may be received when the need of such affidavits is indicated.

REISSUES

171 **Application for reissue.** An application for reissue must contain the same parts required for an application for an original patent, complying with all the rules relating thereto except as otherwise provided, and in addition, must comply with the requirements of the rules relating to reissue applications. The application must be accompanied by a certified copy of an abstract of title or an order for a title report, to be placed in the file, and by an offer to surrender the original patent (rule 178).

[Rules 85, 86]

172 **Applicants, assignees.** Reissue applications must be signed and sworn to by the inventors if they be living, and must be accompanied by the written assent of all assignees, if any, owning an undivided interest in the patent. If the inventor is dead, a reissue application may be made by the assignee of the entire interest.

A reissue will be granted to the original patentee, his legal representatives or assigns as the interest may appear.

[Rules 85, 86]

173 **Specification.** The specification of the reissue application must include the entire specification and claims of the patent, with the matter to be omitted by reissue enclosed in square brackets or otherwise indicated as being deleted; and any additions made by the reissue must be underlined, so that the old and the new specifications and claims may be readily compared. Claims should not be renumbered and the numbering of claims added by reissue should follow the number of the highest numbered patent claim. No new matter shall be introduced into the specification.

[Rule 88]

174 **Drawings.** The drawings upon which the original patent was issued may be used in reissue applications if no changes whatsoever are to be made in the drawings. In such cases, when the reissue application is filed, the applicant must submit a temporary drawing which may consist of a copy of the printed drawings of the patent or a photoprint of the original drawings securely mounted by pasting on sheets of drawing board of the size required for original drawing, or an order for the same.

Amendments which can be made in a reissue drawing, that is, changes from the drawing of the patent, are restricted.

[Rules 53, 88]

175 **Reissue oath.** Applicants for reissue, in addition to complying with the requirements of the first sentence of rule 65, must also file with their applications a statement under oath as follows:

(a) That applicant verily believes the original patent to be wholly or partly inoperative or invalid, and the reasons why.

(b) When it is claimed that such patent is so inoperative or invalid "by reason of a defective or insufficient specification," particularly specifying such defects or insufficiencies.

(c) When it is claimed that such patent is inoperative or invalid "by reason of the patentee claiming as his own invention or discovery more than he had a right to claim as new," distinctly specifying the part or parts so alleged to have been improperly claimed as new.

(d) Particularly specifying the errors which it is claimed constitute the inadvertence, accident, or mistake relied upon, and how they arose or occurred.

(e) That said errors arose "without any fraudulent or deceptive intention" on the part of the applicant.

(f) When any reissue claim is broader in any respect than the patent claims, applicant shall explain when and under what circumstances he became aware of the lack of breadth in the patent claims, and shall further explain any delay thereafter up to the filing of such reissue application.

Corroborating affidavits of others may be filed and the examiner may, in any case, require additional information or affidavits concerning the application for reissue and its object.

[Rule 87]

176 **Examination of reissue.** An original claim, if re-presented in the reissue application, is subject to re-examination, and the entire application will be examined in the same manner as original applications, subject to the rules relating thereto, excepting that division will not be required. Applications for reissue will be acted on by the examiner in advance of other applications.

[Rule 90]

177 **Reissue in divisions.** The Commissioner may, in his discretion, cause several patents to be issued for distinct and separate parts of the thing patented, upon demand of the applicant, and upon payment of the required fee for each division. Each division of a reissue constitutes the subject of a separate specification descriptive of the part or parts of the invention claimed in such division; and the drawing may represent only such part or parts, subject to the provisions of

rules 83 and 84. On filing divisional reissue applications, they shall be referred to the Commissioner. Unless otherwise ordered by the Commissioner, all the divisions of a reissue will issue simultaneously; if there by any controversy as to one division, the others will be withheld from issue until the controversy is ended, unless the Commissioner shall otherwise order.

[Rule 89]

178 **Original patent.** The application for a reissue must be accompanied by an offer to surrender the original patent. The application should also be accompanied by the original patent, or if the original is lost or inaccessible, by an affidavit to that effect. The application may be accepted for examination in the absence of the original patent or the affidavit, but one or the other must be supplied before the case is allowed. If a reissue be refused, the original patent will be returned to applicant upon his request.

[Rule 91, par. 1]

179 **Notice of reissue application.** When an application for a reissue is filed, there will be placed in the file of the original patent a notice stating that an application for reissue has been filed. When the reissue is granted or the reissue application is otherwise terminated, the fact will be added to the notice in the file of the original patent.

[Rule 91, par. 2]

PETITIONS AND ACTION BY THE COMMISSIONER

181 **Petition to the Commissioner.** (a) Petition may be taken to the Commissioner (1) from any action or requirement of any examiner in the ex parte prosecution of an application which is not subject to appeal to the Board of Appeals or to the court; (2) in cases in which a statute or the rules specify that the matter is to be determined directly by or reviewed by the Commissioner; and (3) to invoke the supervisory authority of the Commissioner in appropriate circumstances.

(b) Any such petition must contain a statement of the facts involved and the point or points to be reviewed and the action requested. Briefs or memoranda, if any, in support thereof should accompany or be embodied in the petition; and where facts are to be proven, the proof in the form of affidavits (and exhibits, if any) must accompany the petition.

(c) When a petition is taken from an action or requirement of an examiner in the ex parte prosecution of an application, it may be required that there have been a proper request for reconsideration (rule 111) and a repeated action by the examiner. The examiner may be directed by the Commissioner to furnish a written statement, within a specified time, setting forth the reasons for his decision upon the matters averred in the petition, supplying a copy thereof to the petitioner.

(d) No fee is required for a petition to the Commissioner except in the case of a petition to revive an abandoned application (rule 137) or for the delayed payment of a final fee (rule 317).

(e) Oral hearing will not be granted except when considered necessary by the Commissioner.

(f) The mere filing of a petition will not stay the period for replying to an examiner's action which may be running against an application, nor act as a stay of other proceedings.

(g) Determination of petitions of various kinds may be delegated by the Commissioner to the Supervisory Examiners or to the Solicitor and Law Examiners.

[Rule 142]

182 **Questions not specifically provided for.** All cases not specifically provided for in these rules will be decided in accordance with the merits of each case by or under the authority of the Commissioner, and such decision will be communicated to the interested parties in writing.

[Rule 199]

183 **Suspension of rules.** In an extraordinary situation, when justice requires, any requirement of these rules which is not a requirement of the statutes may be suspended or waived by the Commissioner in person on petition of the interested party, subject to such other requirements as may be imposed.

184 **Reconsideration of cases decided by former Commissioners.** Cases which have been decided by one Commissioner will not be reconsidered by his successor except in accordance with the principles which govern the granting of new trials.

[Rule 147]

APPEAL TO THE BOARD OF APPEALS

191 **Appeal to Board of Appeals.** (a) Every applicant for a patent or for reissue of a patent, any of the claims of which have been twice rejected, or who has been given a final rejection (rule 113), and every applicant who has been twice required to divide his application (rule 143), may, upon the payment of the fee required by law, appeal from the decision of the primary examiner to the Board of Appeals within the time allowed for response.

(b) The appeal must identify the rejected claim or claims appealed, and must be signed by the applicant or his duly authorized attorney or agent.

(c) Except as otherwise provided by rules 144 and 206, appeal when taken must be taken from the rejection of all claims under rejection which applicant proposes to contest. Questions relating to matters not affecting the merits of the invention may be required to be settled before an appeal can be considered.

192 **Appellant's brief.** The appellant shall, within sixty days from the date of the appeal, or within six months from the date of the action appealed from if such time is later, file a brief of the authorities and arguments on which he will rely to maintain his appeal, including a concise explanation of the invention and a copy of the claims involved, at the same time indicating if he desires an oral hearing.

On failure to file the brief within the time allowed, the appeal shall stand dismissed.

193 **Examiner's answer.** (a) The primary examiner may, within such time as may be directed by the Commissioner, furnish a written statement in answer to the appellant's brief including such explanation of the invention claimed and of the references and grounds of rejection as

may be necessary, supplying a copy to the appellant. If the primary examiner shall find that the appeal is not regular in form or does not relate to an appealable action, he shall so state and a petition from such decision may be taken to the Commissioner as provided in rule 181.

(b) The appellant may file a reply brief directed only to such new points as may be raised in the examiner's answer, within twenty days from the date of such answer.

194 **Hearing.** If no request for oral hearing has been made by the appellant, the appeal will be assigned for consideration and decision. If the appellant has requested an oral hearing, a day of hearing will be set, and due notice thereof given to the appellant. Hearing will be held as stated in the notice, and oral argument will be limited to one-half hour unless otherwise ordered before the hearing begins.

[Rule 137]

195 **Affidavits after appeal.** Affidavits or exhibits submitted after the case has been appealed will not be admitted without a showing of good and sufficient reasons why they were not earlier presented.

[Rule 138]

196 **Decision by the Board of Appeals.** (a) The Board of Appeals, in its decision, may affirm or reverse the decision of the primary examiner in whole or in part on the grounds and on the claims specified by the examiner. The affirmance of the rejection of a claim on any of the grounds specified constitutes a general affirmance of the decision of the primary examiner on that claim, except as to any ground specifically reversed.

(b) Should the Board of Appeals have knowledge of any grounds not involved in the appeal for rejecting any claim, it may include in its decision a statement to that effect with its reasons for so holding, which statement shall constitute a rejection of the claims. The appellant may submit an appropriate amendment of the claims so rejected or a showing of facts, or both, and have the matter reconsidered by the primary examiner. The statement shall be binding upon the primary examiner unless an amendment or showing of facts not previously of record be made which, in the opinion of the primary examiner, avoids the additional ground for rejection stated in the decision. The applicant may waive such reconsideration before the primary examiner and have the case reconsidered by the Board of Appeals upon the same record before them. Where request for such reconsideration is made the Board of Appeals shall, if necessary, render a new decision which shall include all grounds upon which a patent is refused. The applicant may waive reconsideration by the Board of Appeals and treat the decision, including the added grounds for rejection given by the Board of Appeals, as a final decision in the case.

(c) Should the decision of the Board of Appeals include an explicit statement that a claim may be allowed in amended form, applicant shall have the right to amend in conformity with such statement, which shall be binding on the primary examiner in the absence of new references or grounds of rejection.

[Rule 139]

197 **Action following decision.** After decision by the Board of Appeals, the case shall be returned to the primary examiner, subject to the applicant's right of appeal or other review, for such further action by the applicant or by the primary examiner, as the condition of the case may require, to carry into effect the decision.

Any request or petition for rehearing or reconsideration must be filed before the limit of appeal to the U. S. Court of Customs and Patent Appeals expires. (See rule 302, for time for appeal to the court.)

[Rule 141]

198 **Reopening after decision.** Cases which have been decided by the Board of Appeals will not be reopened or reconsidered by the primary examiner, except under the provisions of rule 196, without the written authority of the Commissioner, and then only for the consideration of matters not already adjudicated, sufficient cause being shown.

[Rule 140]

INTERFERENCES; DEFINITION, PREPARATION, DECLARATION

201 **Definition, when declared.** (a) An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention and may be instituted as soon as it is determined that common patentable subject matter is claimed in a plurality of applications or in an application and a patent.

(b) An interference will be declared between pending applications for patent or for reissue of different parties when such applications contain claims for substantially the same invention which are allowable in the application of each party, and interferences will also be declared between pending applications for patent, or for reissue, and unexpired original or reissued patents, of different parties, when such applications and patents contain claims for substantially the same invention which are allowable in all of the applications involved, in accordance with the provisions of these rules.

(c) Interferences will not be declared, nor continued, between applications or applications and patents owned by the same party unless good cause is shown therefor. The parties shall make known any and all right, title and interest affecting the ownership of any application or patent involved or essential to the proceedings, not recorded in the Patent Office, when an interference is declared, and of changes in such right, title, or interest, made after the declaration of the interference and before the expiration of the time prescribed for seeking review of the decision in the interference.

[Rules 93, 94, pars. 1, 5]

202 **Preparation for interference between applications; preliminary inquiry of junior applicant.** In order to ascertain whether any question of priority arises between applications which appear to interfere and are otherwise ready to be prepared for interference, any junior applicant may be called upon to state in writing under oath the date and the character of the earliest fact or act, susceptible of proof, which can be relied upon to establish conception of the invention under consideration for the purpose of establishing priority of invention. The statement filed in compliance with this section will be retained by the Patent Office separate from the application file and if an interference is declared will be opened simultaneously with the preliminary statement of the party filing the same. In case the junior applicant makes no reply within the time specified, not less than thirty days, or if the earliest date alleged is subsequent to the filing date of the senior party, the interference ordinarily will not be declared.

[Rule 93]

203 **Preparation for interference between applications; suggestion of claims for interference.** (a) Before the declaration of interference, it must be determined that there is common patentable subject matter in the cases of the respective parties, patentable to each of the respective parties, subject to the determination of the question of priority. Claims in the same language, to form the counts of the interference, must be present or be presented, in each application.

(b) When the claims of two or more applications differ in phraseology, but relate to substantially the same patentable subject matter, the examiner shall, if it has been determined that an interference should be declared, suggest to the parties such claims as are necessary to cover the common invention in the same language. The examiner shall send copies of the letter suggesting claims to the applicant and to the assignee, as well as to the attorney or agent of record in each case. The parties to whom the claims are suggested will be required to make those claims (i. e., present the suggested claims in their applications by amendment) within a specified time, not less than 30 days, in order that an interference may be declared. The failure or refusal of any applicant to make any claim suggested within the time specified, shall be taken without further action as a disclaimer of the invention covered by that claim unless the time be extended upon a proper showing.

(c) The suggestion of claims for purpose of interference will not stay the period for response to an Office action which may be running against an application, unless the claims are made by the applicant within the time specified for making the claims.

(d) When an applicant presents a claim in his application (not suggested by the examiner as specified in this rule) which is copied from some other application, either for purpose of interference or otherwise, he must so state, at the time he presents the claim and identify the other application.

[Rules 95, par. 1; 96, par. 1; 77, par. 4]

204 **Interference with a patent; affidavit by junior applicant.** (a) The fact that one of the parties has already obtained a patent will not prevent an interference. Although the Commissioner has no power to cancel a patent, he may grant another patent for the same invention to a person who, in the interference, proves himself to be the prior inventor.

(b) When the filing date or effective filing date of an applicant is subsequent to the filing date of a patentee, the applicant, before an interference will be declared, shall file an affidavit that he made the invention in controversy in this country, before the filing date of the patentee, or that his acts in this country with respect to the invention were sufficient under the law to establish priority of invention relative to the filing date of the patentee; and, when required, the applicant shall file an affidavit (of the nature specified in rule 131) setting forth facts which would prima facie entitle him to an award of priority relative to the filing date of the patentee.

[Rules 93, 94, par. 1]

205 **Interference with a patent; copying claims from patent.** (a) Before an interference will be declared with a patent, the applicant must present in his application copies of all the claims of the patent which also define his invention and such claims must be patentable in the application. If claims cannot be properly presented in his application owing to the inclusion of an immaterial limitation or variation, an interference may be declared after copying the claims excluding such immaterial limitation or variation.

(b) Where an applicant presents a claim copied or substantially copied from a patent, he must, at the time he presents the claim, identify the patent, give the number of the patented claim, and specifically apply the terms of the copied claim to his own disclosure, unless the claim is copied in response to a suggestion by the Office. The examiner will call to the Commissioner's attention any instance of the filing of an application or the presentation of an amendment copying or substantially copying claims from a patent without calling attention to that fact and identifying the patent.

[Rule 94, par. 3]

206 **Interference with a patent; claims improperly copied.** (a) Where claims are copied from a patent and the examiner is of the opinion that the applicant can make only some of the claims so copied, he shall notify the applicant to that effect, state why he is of the opinion the applicant cannot make the other claims and state further that the interference will be promptly declared. The applicant may proceed under rule 233, if he desires to further contest his right to make the claims not included in the declaration of the interference.

(b) Where the examiner is of the opinion that none of the claims can be made, he shall state in his action why the applicant can not make the claims and set a time limit, not less than 30 days, for reply. If, after response by the applicant, the rejection is made final, a similar time limit shall be set for appeal. Failure to respond or appeal, as the case may be, within the time fixed will, in the absence of a satisfactory showing, be deemed a disclaimer of the invention claimed.

[Rules 94, par. 2; 63d, par. 2]

207 **Preparation of interference notices and statements.** (a) When an interference is found to exist and the applications are in condition therefor, the primary examiner shall forward the files to the Examiners of Interference, together with notices of interference to be sent to all the parties (as specified in rule 209) disclosing the name and residence of each party and those of his attorney or agent, and of any assignee, and,

if any party be a patentee, the date and number of the patent. The notices shall also specify the issue of the interference, which shall be clearly and concisely defined in only as many counts as may be necessary to define the interfering subject matter (but in the case of an interference with a patent all the claims of the patent which can be made by the applicant should constitute the counts), and shall indicate the claim or claims of the respective cases corresponding to the count or counts. If the application or patent of a party included in the interference is a division or continuation of a prior application and the examiner has determined that it is entitled to the filing date of such prior application, the notice to such party shall so state.

(b) The primary examiner shall also forward a statement for the Examiners of Interferences disclosing the applications involved in interference, fully identified, arranged in the inverse chronological order of the filing of the completed applications, and also disclosing the count or counts in issue and the ordinals of the corresponding claims, the name and residence of any assignee, and the names and addresses of all attorneys or agents, both principal and associate.

[Rule 97]

208 **Conflicting parties having same attorney.** Whenever it shall be found that two or more parties whose interests appear to be in conflict are represented by the same attorney or agent, the examiner shall notify each of said principal parties and the attorney or agent of this fact, and shall also call the matter to the attention of the Commissioner. If conflicting interests exist, the same attorney or agent or his associates will not be recognized to represent either of the parties whose interests are in conflict without the consent of the other party or in the absence of special circumstances requiring such representation, in further proceedings before the Patent Office involving the matter or application or patent in which the conflicting interests exist.

[Rule 96, par. 2]

209 **Declaration of interference; mailing of notices.** (a) When the notices of interference are in proper form, an examiner of interferences shall assign a number to the interference and add to the notices a designation of the time within which the preliminary statements required by rule 215 must be filed, and shall, pro forma, institute and declare the interference by forwarding the notices to the several parties to the proceeding.

(b) The notices of interference shall be forwarded by the Examiner of Interferences to all the parties, in care of their attorneys or agents; a copy of the notices will also be sent the applicants or patentees in person and if the application or patent in interference has been assigned, to the assignees. When one of the parties has received a patent, a notice shall be sent to the patentee as well as to the attorney or agent last of record.

(c) When the notices sent in the interest of a patent are returned to the Office undelivered, or when one of the parties resides abroad and his agent in the United States is unknown, additional notice may be given by publication in the Official Gazette for such period of time as the Commissioner may direct.

[Rules 102, 103]

211 **Jurisdiction of interference.** Upon the institution and declaration of the interference, as provided in rule 209, the Examiners of Interferences will take jurisdiction of the same, which will then become a contested case.

The primary examiner will retain jurisdiction of the case until the declaration of interference is made. See rule 237 (b).

[Rules 100, 101]

212 **Suspension of ex parte prosecution.** On declaration of the interference, ex parte prosecution of an application is suspended, and amendments and other papers received during the pendency of the interference will not be entered or considered without the consent of the Commissioner, except as provided by these rules. Proposed amendments directed toward the declaration of an interference with another party will be considered to the extent necessary. Ex parte prosecution as to specified matters may be continued concurrently with the interference, on order from or with the consent of the Commissioner.

[Rule 109, par. 2]

INTERFERENCES: PRELIMINARY STATEMENT

215 **Preliminary statement required.** Each party to the interference will be required to file a concise preliminary statement giving certain facts and dates, on or before a date fixed by the Office. The preliminary statement must be signed and sworn to by the inventor but in appropriate circumstances, as when the inventor is dead or a showing is made of inability to obtain a statement from the inventor, the preliminary statement may be made by the personal representative or assignee or by someone authorized or entitled to make the statement and having knowledge of the facts.

[Rule 110]

216 **Contents of the preliminary statement.** The preliminary statement must state that the applicant made the invention set forth by each count of the interference, and whether the invention was made in the United States or abroad.

(a) When the invention was made in the United States the preliminary statement must set forth as to the invention defined by each count the following facts relating to conception of the invention, and reduction of the invention to practice;

(1) The date upon which the first drawing of the invention was made; if a drawing of the invention has not been made prior to the filing date of the application, it must be so stated.

(2) The date upon which the first written description of the invention was made; if a written description of the invention has not been made prior to the filing date of the application, it must be so stated.

(3) The date upon which the invention was first disclosed to another person; if the invention was not disclosed to another person prior to the filing date of the application, it must be so stated.

(4) The date of the first act or acts susceptible of proof (other than acts of the character specified in subparagraphs (1), (2), and (3)) of this paragraph which, if proven, would establish conception of the invention, and a brief description of such act or acts; if there have been no such acts it must be so stated.

(5) The date of the actual reduction to practice of the invention; if the invention has not been actually reduced to practice before the filing date of the application, it must be so stated.

(6) The date after conception of the invention when active exercise of reasonable diligence toward reducing the invention to practice began.

(b) The preliminary statement in every case must also set forth:

(1) The serial number and filing date of any prior co-pending application in the United States by the same applicant, not specified by the examiner in the notice of interference, disclosing the invention set forth by the counts of the interference, the benefit of the filing date of which application may be claimed as the effective filing date of the application or patent involved.

(2) The filing date and country (and number, if known) of any application for the same invention in a foreign country, the filing date of which may be claimed under R. S. 4887; 35 U.S.C. 32, second paragraph.

If a party intends to rely solely on a prior application, domestic or foreign, and on no other evidence, the preliminary statement may so state and may then consist only of the identification of the prior application and need not be signed or sworn to by the inventor.

[Rule 110]

217 **Contents of the preliminary statement; invention made abroad.** When the invention was made abroad the facts specified by rule 216 (a) (1) to (6) are not required, and in lieu thereof there should be stated:

When the invention was introduced into this country by or on behalf of the party, giving the circumstances with the dates connected therewith which are relied upon to establish the fact and, when appropriate, including allegations of activity in this country of the nature of that represented by rule 216 (a) (1) to (6).

If a party is entitled to the benefit of the proviso in 60 Stat. 943, sec. 9; 35 U. S. C. 109, he must so state and his preliminary statement must include allegations of activity abroad corresponding to those required by rule 216 (a) (1) to (6).

[Rule 110]

218 **Time for filing preliminary statement.** The time for filing the preliminary statement is ordinarily specified in the notices of interference mailed to the parties (rule 209). If either party require a postponement of the time for filing his preliminary statement, he shall present a motion, duly served on the other parties, with his reasons therefor, and such motion should be made, if possible, prior to the day previously set. But an examiner of interferences may, in his discretion, extend the time on ex parte request, on stipulation, or upon his own motion.

[Rule 104]

219 **Statements sealed before filing.** The statement must be filed in a sealed envelope bearing the name of the party filing it and the number and title of the interference. The envelope should contain nothing but this statement and if mailed should be enclosed in an outer envelope. The statements may be opened only by an examiner of interferences.

[Rule 110]

221 **Defective statements.** If, on examination, a statement is found to be defective in any particular, the party may be notified of the defects, and a time assigned within which he must cure the same by an amended statement or be restricted in a specified manner; but in no case will the original or amended statement be returned to the party after it has been filed.

If a party shall fail or refuse to file an amended statement, he shall be restricted in the further proceedings in the interference as specified in the notice of the defects.

[Rule 112]

222 **Correction of statement on motion.** In case of material error arising through inadvertence or mistake, the statement may be corrected on motion (see rule 243), upon a satisfactory showing that the correction is essential to the ends of justice. The motion to correct the statement must be made, if possible, before the taking of any testimony, and as soon as practicable after the discovery of the error.

[Rule 113]

223 **Effect of statement.** (a) The preliminary statement should be carefully prepared, as each of the parties by whom or on whose behalf it is made will be strictly held in his proofs to the dates set forth therein. This includes joint applicants; a new preliminary statement will not be received in the event the application is amended to remove the names of those not inventors, except by motion under rule 222.

(b) If a party proves any date earlier than alleged in his preliminary statement, such proof will be held to establish the date so alleged and none earlier.

(c) If a party to an interference fails to file a statement, testimony will not be received subsequently from him to prove that he made the invention at a date prior to the filing date of his application.

(d) The preliminary statement can in no case be used as evidence in behalf of the party making it.

[Rules 110, 115, 117]

224 **Reliance on prior application.** A party will not be permitted to rely on a prior application to obtain the benefit of its filing date unless the prior application is specified in the notice of interference or is set forth in the preliminary statement. If a prior foreign application is set forth in the preliminary statement, said foreign application cannot be relied upon unless the necessary papers to prove a date of priority under R. S. 4887, 35 U. S. C. 32, second paragraph, are filed within three months, or within such extension of time as may be granted, from the filing of the preliminary statement, if they have not previously been filed. A motion to amend the preliminary statement to recite a prior application may be brought under rule 222 but a copy of such prior application must be served on the opposing party with the motion.

225 **Failure of junior party to file statement or to overcome filing date of senior party.** If a junior party to an interference fails to file a

statement, or if his statement fails to overcome the prima facie case made by the filing date of the application of a senior party, such junior party shall be notified by an examiner of interferences that judgment upon the record will be rendered against him at the expiration of a time fixed by the examiner of interferences, not less than thirty days, unless cause be shown why such action should not be taken. Within this period any of the motions permitted by rules 231 to 236 may be brought, except that motions to dissolve (rule 232) must be limited to such matters as may be considered at final hearing (rule 258), but if a patent is not involved such junior party may file a statement as to his reasons for considering such claim or claims unpatentable, which statement shall be given due consideration by the primary examiner after the termination of the interference before acting on the application of the successful party. If a motion is denied by the primary examiner, the party under order to show cause may, within twenty days from the decision, request that final hearing be set to consider such matters as may be reviewed under rule 258.

[Rule 114]

226 **Notice and access to applications.** After the preliminary statements have been received and approved, or the time for filing them has expired, the parties will be notified, and given the serial numbers and filing dates of the applications of each adverse party, including any applications which the parties may be entitled to inspect, and the parties will be permitted to see or obtain copies of each other's applications, except copies of affidavits filed under rules 131 and 202, which shall be and remain sealed until preliminary statements are opened under rule 227. The preliminary statements are re-sealed by an examiner of interferences and shall not be revealed to the opposing parties except as provided in rule 227.

The notices will also ordinarily specify the motion period (rule 231), the times for taking testimony (rule 251), and the date of final hearing (rules 251, 258), except when an order to show cause is given under rule 225.

[Rule 108]

227 **Access to preliminary statements.** (a) The preliminary statements shall not be opened to the inspection of the opposing parties until after all motions under rules 231 to 236 and proceedings respecting the same have been finally disposed of or the time for filing such motions has expired without such a motion having been filed, and the case is in condition for taking of testimony.

(b) A junior party who fails to file a preliminary statement or a party who alleges no date in his preliminary statement earlier than the filing date of the application of another party shall not have access to the preliminary statement of said other party.

(c) If the interference be terminated by dissolution before the preliminary statements have been opened to the inspection of the parties, the preliminary statements will remain sealed.

(d) Unopened statements will be removed from interference files and preserved by the Office, and in no case will such statements be open to the inspection of the opposing party without authority from the Commissioner.

[Rules 111, 112]

INTERFERENCES: MOTION PERIOD, DISSOLUTION, REFORMATION

231 **Motion period.** After the preliminary statements have been received and approved, or the time for filing them has expired, a period will be fixed within which the various motions specified in rules 232 to 236 may be brought by the parties. The period, not less than thirty days, will be fixed by an examiner of interferences in the notice referred to in rule 226. In the case of a junior party under order to show cause (rule 225) the period specified for answer to the order is the motion period and such motions may be brought as constitute an answer to the order.

232 **Motions to dissolve.** (a) Motions to dissolve an interference may be brought on the ground (1) that there has been such informality in declaring the same as will preclude the proper determination of the question of priority of invention, or (2) that the claims forming the counts of the interference are not patentable, or are not patentable to a particular applicant, while being patentable to another party, or (3) that a particular party has no right to make the claims, or (4) that there is no interference in fact if the interference involves a design or plant patent or application, or if the interference involves a patent, the claims of which have been copied in modified form.

(b) When one of the parties to the interference is a patentee, motions to dissolve on the ground that the counts are unpatentable, may not be brought.

(c) Motions to dissolve on the ground that the counts are unpatentable, or are unpatentable to the party bringing the motion, must be accompanied by a proposed amendment to the application of the moving party cancelling the claims forming the counts of the interference, which amendment shall be entered by the primary examiner to the extent the motion is not denied, after the interference is terminated.

[Rule 122]

233 **Motions to amend.** (a) Motions may be brought to amend the interference to put in issue any claims which should be made the basis of interference between the moving party and any other party. When a patent is involved, such claims must be claims of the patent (as provided by rule 205). If the claims are not already in the application of the moving party, the motion must be accompanied by a proposed amendment adding the claims to the application. The preliminary statement for the proposed counts may be required before the motion is considered.

(b) Such motions must, if possible, be made within the time set, but if a motion to dissolve the interference has been brought by another party, such motion may be made within thirty days from the filing of the motion to dissolve, or if the interference is dissolved by the primary examiner on his own motion as provided in rule 237, within 30 days from the date on which the interference was suspended and referred to the primary examiner under rule 237 or the date of the decision if there was no such reference.

(c) Where a party opposes the addition of such claims in view of prior patents or publications, full notice of such patents or publications, applying them to the proposed counts, must be given to all parties at least twenty days prior to the date of the hearing.

(d) The proposed claims must be indicated to be patentable in the opinion of the moving party in each of the applications involved in the motion and must, unless they stand allowed, be distinguished from the prior art of record or sufficient other reason for their patentability given. The reason why an additional count is necessary must be stated and when more than one count is proposed, the motion must point out wherein they differ materially from each other and why each proposed count is necessary to the interference. The proposed claims must also be applied to the disclosure of each application involved in the motion, except as to an application in which the claims already appear and the claims identified as originating therein.

(e) On the granting of such motion and the adoption of the claims by the other parties within a time specified, and after the expiration of the time for filing any new preliminary statements, the Primary Examiner shall redeclare the interference or shall declare such other interferences as may be necessary to include said claims. A preliminary statement as to the added claims need not be filed if a party states he intends to rely on the original statement. A second motion period will not be set and subsequent motions with respect to such matters as could have been raised during the motion period will not be considered.

[Rule 109]

234 **Motion to include another application.** (a) Any party to an interference may bring a motion to add (subject to the provisions of rule 201 (c)) or substitute any other application owned by him, as to the existing issue; or to include any other application or patent owned by him as to any subject matter disclosed in his application or patent involved in the interference and in an opposing party's application or patent in the interference which should be made the basis of interference between himself and such other party.

(b) Such motions are subject to the same conditions and the procedure in connection therewith is the same, so far as applicable, as set forth in rule 233 for motions to amend.

[Rule 109]

235 **Motions relating to burden of proof.** Any party may bring a motion to shift the burden of proof on the ground that he is entitled to the benefit of the filing date of an earlier domestic or foreign application, or on the ground that an opposing party is not entitled to the benefit of an earlier application of which he has been given the benefit in the declaration. (See rule 224.)

236 **Hearing and determination of motions.** (a) The motions specified must contain a full statement of the grounds therefor, and any briefs or memoranda in support thereof or in opposition thereto shall, except as hereinafter provided, be filed in the Patent Office not less than ten days prior to the date of hearing and, if not so filed, consideration thereof may be refused.

(b) If, in the opinion of an examiner of interferences, such motions, and motions of a similar character, be in proper form, they will be set for hearing before the primary examiner, due notice of the day of hearing being given by the Office to all parties. Appearance at the hearing is not required; any party may waive oral hearing and, in lieu of appearance at the hearing but not in addition thereto, file a reply brief no later than three days following the date of the hearing. If, in the opinion of the examiner of interferences, the motion be not in proper form, or if it be not brought within the time specified and no satisfactory reason given for the delay, it will not be considered and the parties will be so notified. Consideration of matters raised by motion which can be considered at final hearing may, as directed by the Commissioner, be deferred to final hearing.

(c) Setting a motion brought under the provisions of rules 231 to 235 for hearing will act as a stay of proceedings pending the determination of the motion.

(d) In the determination of a motion to dissolve an interference between an application and a patent, the prior art of record in the patent file may be referred to for the purpose of construing the issue.

[Rules 122, 123, 124, par. 1; 163]

237 **Dissolution on motion of examiner.** (a) If, during the pendency of an interference, a reference or other reason be found which, in the opinion of the primary examiner, renders all or part of the counts unpatentable, the attention of the examiners of interferences shall be called thereto unless the interference is before the primary examiner for determination of a motion. The interference may be suspended and referred to the primary examiner for his determination of the question of patentability, in which case the interference shall be dissolved or continued in accordance with such determination. The consideration of such reference or reason by the primary examiner shall be inter partes as in the case of a motion to dissolve. If such reference or reason be found while the interference is before the primary examiner for determination of a motion, decision thereon may be incorporated in the decision on the motion, but the parties shall be entitled to reconsideration or rehearing if they have not been heard on the matter. (See rule 236)

(b) Prior to the approval of the preliminary statements and notification of the parties thereof (rule 226), an interference may be withdrawn at the request of the primary examiner, in which event the interference shall be considered as not having been declared.

[Rule 128]

238 **Addition of new party by examiner.** If, during the pendency of an interference, another case appears, claiming substantially the subject matter in issue, the primary examiner may request the suspension of the interference for the purpose of adding said case. Such suspension will be granted as a matter of course by an examiner of interferences if no testimony has been taken. If, however, any testimony may have been taken, a notice for the proposed new party, disclosing the issue in interference and the names and addresses of the interferants and of their attorneys or agents, and notices for the interferants disclosing the name and address of the said party and his attorney or agent, shall be pre-

pared by the primary examiner and forwarded to the examiner of interferences, who shall mail said notices and set a time for stating any objections and at his discretion a time of hearing on the question of the admission of the new party. If the examiner of interferences be of the opinion that the interference should be suspended and the new party added, he shall prescribe the terms for such suspension.

[Rule 129]

INTERFERENCES: MISCELLANEOUS PROVISIONS

241 **Copies of part of application.** When an application is involved in an interference in which a part only of the invention is included in the issue, the applicant may file certified copies, one for the record and one for each party, of the part or parts of the specification and drawings, and other papers in the file, which exclude merely the noninterfering disclosure and such copies may be used in the proceedings in place of the complete application.

[Rule 105]

242 **Prosecution by assignee.** When on motion duly made and upon satisfactory proof, it shall be shown that, by reason of the inability or refusal of the inventor to take suitable action in an interference, or from other cause, the ends of justice require that an assignee of an undivided interest in the invention be permitted to prosecute the same, it may be so ordered.

[Rule 131]

243 **Motions before the Examiners of Interferences.** Motions of a character other than specified in rules 232 to 236 will be determined by an examiner of interferences or the Board of Interference Examiners, as may be deemed appropriate. Such motions shall be made in writing and shall contain a full statement of the action sought and the grounds therefor, and satisfactory proof of any facts required, if necessary, must accompany the motion. Oral hearings will not be held except on order of the examiner of interferences or Board of Interference Examiners. Briefs or memoranda in support of such motions shall accompany the motion. Any reply to the motion, together with any brief or memorandum in support thereof, shall be filed within ten days unless some other date is set by the examiner of interferences.

[Rules 124, 153, 163]

244 **Motions; miscellaneous provisions.** (a) Typewritten briefs may be used in connection with all motions. By stipulation of the parties subject to approval or by order of the tribunal before whom the motion is pending, briefs may be received if filed otherwise than as prescribed.

(b) In oral hearings on motions, the moving parties shall have the right to make the opening and closing arguments. Unless otherwise ordered before the hearing begins, oral arguments will be limited to one-half hour for each party.

(c) Petitions for reconsideration or modification of the decision must be filed within twenty days after the date of the decision.

(d) There is no appeal from decisions rendered on motions, either of the primary examiners or of the examiners of interferences, but the Commissioner may consider on petition any matter involving abuse of discretion or the exercise of his supervisory authority, or such other matters as he may deem proper to consider. Any such petition must comply with rule 181 and, if not filed within twenty days from the decision complained of, may be dismissed as untimely.

[Rules 153, 163]

245 **Extensions of time.** Extensions of time in any case not otherwise provided for may be had by stipulation of the parties, subject to approval, or on motion duly brought, sufficient cause being shown for such extension.

246 **Stay of proceedings.** Except as provided in rule 236, to effect a stay of proceedings, motion should be made before the tribunal having jurisdiction of the interference, who will, sufficient ground appearing therefor, order a suspension of the interference pending the determination of such motion.

[Rule 123]

247 **Service of papers.** Every paper filed in the Patent Office in interference cases must be served upon the other parties as provided in rule 248, except the following, (a) the application involved and any papers therein prior to the declaration of the interference, and any application referred to by the examiner in the notice of interference (rule 207) or by the party in a timely filed preliminary statement, (b) preliminary statements, (c) ex parte requests for extension of time to file preliminary statements (rule 218), (d) documentary exhibits introduced at the taking of a deposition, (e) original transcripts of testimony (but copies of the record must be served (rule 253)), (f) statutory disclaimers of entire claims involved in the interference and (g) disclaimers, concessions of priority or abandonments of the invention under rule 262. The specification in certain rules that a designated paper must be served does not imply that other papers, not enumerated above, need not be served. However, the requirement for service of designated papers may be waived under particular circumstances and service may be required of other designated papers which need not ordinarily be served. Proof of such service must be made before the paper will be considered in the interference by the Office. A statement of the attorney, attached to or appearing in the original paper when filed, clearly stating the time and manner in which service was made will be accepted as prima facie proof of service except as stated in rule 273.

[Rule 153a]

248 **Service of papers; manner of service.** Service of papers must be on the attorney or agent of the party if there be such or on the party if there is no attorney or agent, and may be made in either of the following ways: (a) By delivering a copy of the paper to the person served; (b) by leaving a copy at the usual place of business of the person served with some one in his employment; (c) when the person served has no usual place of business, by leaving a copy at his residence, with a member of his family over 14 years of age and of discretion; (d) transmission by first class or registered mail. Whenever it shall be satisfactorily shown to the Commissioner that none of the above modes of obtaining or serving the paper is practicable, service may be by notice published in the Official Gazette.

[Rule 154b]

INTERFERENCES: TRIAL

251 **Assignment of times for taking testimony.** (a) Times will be assigned in which the junior party shall complete his testimony in chief, and in which the other party shall complete the testimony on his side, and a further time in which the junior party may take rebutting testimony, but he shall take no other testimony. If there be more than two parties to the interference, the times for taking testimony will be so arranged that each shall have an opportunity to prove his case against prior parties and to rebut their evidence, and also to meet the evidence of junior parties.

(b) The times for taking testimony will ordinarily be assigned in the notices sent to the parties when the preliminary statements have been received and approved (rule 226). The date for final hearing will ordinarily be set in the same notices. If motions under rules 231 to 236 have been brought and set for hearing, the times will be re-assigned after determination thereof.

(c) Testimony shall be taken during the times assigned in accordance with rules 271 et seq.

[Rule 118, 120]

252 **Failure of junior party to take testimony.** Upon the filing of a motion for judgment by any senior party to an interference stating that the time for taking testimony on behalf of any junior party has expired and that no testimony has been taken and no other evidence offered by said junior party, an order shall be entered that the junior party show cause within a time set therein, not less than ten days, why judgment should not be rendered against him, and in the absence of a showing of good and sufficient cause, judgment shall be so rendered.

[Rule 119]

253 **Copies of the testimony.** (a) In addition to the original transcript of the testimony (rules 275 to 278), three true copies of the record of each party must be filed, for the use of the Patent Office, and one true copy of the record must be served upon each of the opposing parties.

(b) These copies of the record may be submitted either in printed or in typewritten form.

(c) These records, whether printed or typewritten, must include the testimony presented by the party filing the same. A copy of the counts of the interference and the preliminary statement required by rule 215 et seq. must be included. Each record must contain an index of the names of the witnesses, giving the pages where their examination and cross-examination begin, and an index of the exhibits, briefly describing their nature and giving the pages at which they are introduced and offered in evidence, and also the pages where copies of exhibits are shown when such exhibits are copied in the record. The names of the witnesses must appear at the top of the pages over their testimony, and the pages must be consecutively numbered.

(d) The copies of the record for the junior party or parties must be filed and served not less than seventy days before the day for final hearing, and in the case of the senior party not less than fifty days before the day for final hearing, unless otherwise specified by the examiner of interferences.

(e) When the copies of the record are submitted in printed form, they shall be printed in 11-point type and adequately leaded; the paper must be opaque and unglazed; the size of the page shall be 7⅝ by 10¼ inches; the size of the printed matter shall be 4⅛ by 7⅛ inches; and they shall be bound to lie flat when opened. Twenty-five additional copies for the United States Court of Customs and Patent Appeals, should appeal be taken, may also be filed; if no such appeal be taken, the twenty-five copies will be returned to the party filing them.

(f) When the copies of the record are submitted in typewritten form, they must be clearly legible copies on opaque, unglazed, durable paper approximately 8½ by 11 inches in size (letter-size) and one of the three copies for the Office must be a ribbon copy. The typing shall be on one side of the paper, in not smaller than pica type; and double-spaced with a margin of 1½ inches on the left-hand side of the page. The sheets shall be bound at their left edges, in such manner to lie flat when opened, in a volume or volumes of convenient size (approximately 100 pages per volume is suggested) provided with covers. Multigraphed or otherwise reproduced copies conforming to the standards specified will be accepted.

(g) The testimony of any party failing to supply copies of his record as specified may be refused consideration.

[Rule 162]

254 **Briefs at final hearing.** Briefs at final hearing before the Board of Interference Examiners shall be submitted in printed form, except that when not in excess of fifty legal-size double spaced typewritten pages, or the equivalent thereof, and in any other case where satisfactory reason therefor is shown, they may be submitted in typewritten form. If submitted in printed form, they shall be the same in size and the same as to page and print as is specified for printed copies of testimony. Typewritten briefs shall conform to the requirements for typewritten copies of testimony, except that legal size paper may be used and the binding and covers specified are not required. Three copies of each brief must be filed. Unless other dates are set by an examiner of interferences, the brief of the junior party or parties shall be filed not less than forty days, and that of the senior party not less than twenty days, prior to the hearing. Reply briefs, if filed, shall be due not less than ten days before the hearing.

[Rule 163]

255 **Request for findings of fact and conclusions of law.** Either party may, in his brief, submit concise proposed findings of fact, supported by specific references to and analysis of the record, and conclusions of law, supported by citation of authorities. The opposing party may, in his brief in reply thereto, accept any such proposed findings, or reject any proposed findings giving the reasons therefor, and may likewise submit proposed findings. The Board of Interference Examiners may, in its discretion, adopt the proposed findings in whole or in part.

256 **Final hearing.** Final hearings will be held by the Board of Interference Examiners on the day appointed at the designated time. If either

party appear at the proper time, he will be heard. After the day of hearing, the case will not be taken up for oral argument except by consent of all parties. If the Board of Interference Examiners be prevented from hearing the case at the time specified, a new assignment will be made, or the case will be continued from day to day until heard. Unless it shall be otherwise ordered before the hearing begins, oral arguments will be limited to not more than one hour for each party. After a contested case has been argued, nothing further relating thereto will be heard unless upon request of the Board of Interference Examiners.

Hearings may be set, advanced, and adjourned, as far as convenient and proper, to meet the wishes of the parties and their attorneys.

Petitions for rehearings or modification of the decision must be filed before the limit of appeal expires.

See rule 302.

[Rule 151]

257 **Burden of proof.** The parties to an interference will be presumed to have made their inventions in the chronological order of the filing dates of their applications for patents involved in the interference or the effective filing dates which such applications have been accorded; and the burden of proof will rest upon the party who shall seek to establish a different state of facts.

The termination of the interference by dissolution under rules 232 or 237, without an award of priority, or by an award of priority based solely upon ancillary matters, shall not disturb this presumption, and a party under these circumstances enjoying the status of a senior party with respect to any subject matter of his application shall not be deprived of any claim to such subject matter solely on the ground that such claim was not added to the interference by amendment under rule 233.

[Rule 116]

258 **Matters considered in determining priority.** In determining priority of invention, the Board of Interference Examiners will consider only priority of invention on the evidence submitted. Questions of patentability of a claim generally will not be considered in the decision on priority; and neither will the patentability of a claim to an opponent be considered, unless the non-patentability of the claim to the opponent will necessarily result in the conclusion that the party raising the question is in fact the prior inventor on the evidence before the Office, or relates to matters which have been determined to be ancillary to priority and must be considered, but a party shall not be entitled to raise such non-patentability unless he has duly presented and prosecuted a motion under rule 232 for dissolution upon such ground or shows good reason why such a motion was not presented and prosecuted.

The matters raised on a motion relating to the burden of proof (rule 235) may be reviewed at final hearing.

At final hearing between an application and a patent the prior art of record in the patent file may be referred to for the purpose of construing the issue.

[Rules 122, par. 2; 130]

259 **Recommendation by Board of Interference Examiners.** The Board of Interference Examiners may, either before or concurrently with their decision on the question of priority, but independently of such decision, direct the attention of the Commissioner to any matter not relating to priority which may have come to their notice, and which in their opinion establishes the fact that no interference exists, or that there has been irregularity in declaring the same, or which amounts to a bar to the grant of a patent to either of the parties for the claim or claims in interference. The Commissioner may suspend the interference and remand the case to the primary examiner for his consideration of the matters to which attention has been directed if such matters have not been considered before by the examiner, or take other appropriate action. If the case is not so remanded, the primary examiner will, after judgment on priority, consider such matters, unless the same shall have been previously disposed of by the Commissioner.

INTERFERENCES: TERMINATION

261 **Termination of interference.** An interference will be terminated by judgment of priority after final hearing (rules 251 et seq.), or by judgment on the record as provided by rule 225 or rule 252, or by dissolution as provided by rule 232 or rule 237, or as otherwise provided.

[Rule 125]

262 **Disclaimer, concession, abandonment.** (a) An applicant or a patentee involved in an interference may, at any time, file a written disclaimer or concession of priority, or abandonment of the invention, signed by the inventor in person with the written consent of the assignee when there has been an assignment. Upon the filing of such an instrument by any party, judgment shall be rendered against him.

(b) An applicant, except an applicant for reissue having a claim or claims from his patent in the interference, may at any time prior to the taking of testimony, and at any time thereafter with the consent of all of the other parties involved, avoid the continuance of the interference as to all counts by filing a written abandonment of the contest or of the application, signed by the inventor in person with the written consent of the assignee when there has been an assignment. Upon the filing of such abandonment of the contest or of the application, the interference shall be dissolved as to that party, but such dissolution shall in subsequent proceedings have the same effect with respect to the party filing the same as an adverse award of priority.

(c) Upon a showing of sufficient cause, the disclaimer, or abandonment of the invention, or abandonment of the contest or of the application, above referred to, may be executed and filed by the assignee of the entire interest. A concession of priority may not be made by an assignee.

(d) Such disclaimer, concession of priority, abandonment of the invention, or abandonment of the contest shall operate without further action as a direction to cancel the claims involved from the application of the party making the same on termination of the interference on the basis thereof.

[Rule 107]

263 **Statutory disclaimer by patentee.** The disclaimer referred to in rule 262, when made by a patentee in interference is not a disclaimer under R. S. 4917; 35 U. S. C. 65. If a disclaimer under the statute, see rule 321, which has the effect of cancelling the claims from the patent, is made by the patentee, including all assignees as shown by the records of the Patent Office, the interference will be dissolved pro forma.

264 **Reissue filed by patentee.** If a patentee in interference files an application for reissue during the interference, omitting the claims involved (for the purpose of avoiding the interference), the application will be examined and such examination will include the question of patentability over the issue of the interference and over the application of the other party. The interference will not be terminated unless a reissue is granted excluding claims to the conflicting subject matter, whereupon the interference will be dissolved. If a reissue application is filed for other purposes, it may be held subject to the outcome of the interference. An application for reissue will not be included in the interference on the basis of new claims presented by the reissue unless a motion to that effect is brought during the motion period or any delay adequately explained.

265 **Status of claims of defeated applicant after interference.** Whenever an award of priority has been rendered in an interference proceeding and the limit of appeal from such decision has expired, the claim or claims constituting the issue of the interference in the application of the defeated or unsuccessful applicant or applicants stand finally disposed of without further action by the examiner and are not open to further ex parte prosecution.

[Rule 132]

266 **Action after interference.** After the termination of the interference, the primary examiner will promptly take such action in each of the applications involved as may be necessary. Amendments presented during the interference shall not be entered except as otherwise provided; amendments required to accompany motions to amend shall be entered only to the extent the motion was granted (matter not entered may be subsequently presented by the applicant, subject to the rules relating to amendments, provided the prosecution of the application is not otherwise closed). The examiner will act on any matter requiring action and call for response to any examiner's action unresponded to.

After judgment of priority, the application of any party may be held subject to further examination, including interference with other applications.

[Rule 96]

267 **Second interference.** A second interference between the same parties will not be declared upon another application for patent for the same invention filed by either party.

[Rule 127]

TESTIMONY IN INTERFERENCES AND OTHER CONTESTED CASES

271 **Evidence must comply with rules.** Evidence touching the matter at issue which shall not have been taken and filed in compliance with these rules will not be considered in determining the interference or other proceeding.

[Rule 159]

272 **Manner of taking testimony of witnesses.** (a) The testimony of witnesses shall be taken by depositions on oral examination in accordance with these rules.

(b) If the parties so stipulate in writing, deposition may be taken before any person authorized to administer oaths, at any place, upon any notice, and in any manner, and when so taken may be used like other depositions. By agreement of the parties, provided the Commissioner consent, testimony may be taken before an officer or officers of the Patent Office under such terms and conditions as the Commissioner may prescribe.

(c) By agreement of the parties, the testimony of any witness or witnesses of any party, may be submitted in the form of an affidavit by such witness or witnesses. The parties may stipulate what a particular witness would testify to if called, or the facts in the case of any party may be stipulated.

273 **Notice of examination of witnesses.** Before the depositions of witnesses shall be taken by a party, due notice in writing shall be given to the opposing party or parties, as provided in rule 248, of the time when and place where the depositions will be taken, of the cause or matter in which they are to be used, and of the names and residences of the witnesses to be examined. The opposing party shall have full opportunity, either in person or by attorney, to cross-examine the witnesses. If the opposing party shall attend the examination of witnesses not named in the notice, and shall either cross-examine such witnesses or fail to object to their examination, he shall be deemed to have waived his right to object to such examination for want of notice. Neither party shall take testimony in more than one place at the same time, nor so nearly at the same time that reasonable opportunity for travel from one place of examination to the other cannot be had.

The notice for taking testimony must be served (unless otherwise stipulated in an instrument in writing filed in the case) upon the attorney of record, if there be one, or, if there be no attorney of record, upon the adverse party. Reasonable time must be given therein for such adverse party to reach the place of examination. Such notice shall, with sworn proof of the fact, time, and mode of service thereof, be attached to the deposition or depositions, whether the opposing party shall have cross-examined or not.

[Rule 154 a, b]

274 **Persons before whom depositions may be taken.** (a) Within the United States, or within a territory or insular possession of the United States, depositions shall be taken before an officer authorized to administer oaths by the laws of the United States or of the place where the examination is held.

(b) No such officer who is a relative or employee of either of the parties, or of their attorneys or agents, or interested, directly or indirectly, in the matter in controversy, either as counsel, attorney, agent or otherwise, shall be competent to take depositions, unless with the written consent of all the parties.

[Rule 156]

275 Examination of witnesses. (a) Each witness before testifying shall be duly sworn according to law by the officer before whom his deposition is to be taken.

(b) The testimony shall be taken in answer to interrogatories, with the questions and answers recorded in their regular order by the officer, or by some other person (who shall be subject to the provisions of rule 274 (b)) in the presence of the officer except when his presence is waived on the record by agreement of the parties. The testimony shall be taken stenographically and transcribed, unless the parties present agree otherwise.

(c) In the absence of all opposing parties and their attorneys or agents, testimony may be taken in longhand, typewriting, or stenographically.

(d) All objections made at the time of the examination to the qualifications of the officer taking the deposition, or to the manner of taking it, or to the evidence presented, or to the conduct of any party, and any other objection to the proceedings, shall be noted by the officer upon the deposition. Evidence objected to shall be taken subject to the objections.

(e) When the testimony has been transcribed, the deposition shall be carefully read over by the witness, or by the officer to him, and shall then be signed by the witness in the presence of the officer unless the reading and the signature be waived on the record by agreement of all parties.

[Rules 154c, 156]

276 Certification and filing by officer. The officer shall annex to the deposition his certificate showing: (a) Due administration of the oath by the officer to the witness before the commencement of his testimony; (b) the name of the person by whom the testimony was taken down, and whether, if not taken down by the officer, it was taken down in his presence; (c) the presence or absence of the adverse party; (d) the place, day, and hour of commencing and taking the deposition; (e) that the deposition was read by or to the witness before he signed the same, and that he signed the same in the presence of the officer; and (f) the fact that the officer was not disqualified as specified in rule 274. If any of the foregoing requirements are waived, the certificate shall so state. The officer shall sign the certificate and affix thereto his seal of office, if he have such seal. Unless waived on the record by agreement, he shall then, without delay, securely seal in an envelope all the evidence, notices, and paper exhibits, inscribe upon the envelope a certificate giving the number and title of the case, the name of each witness, and the date of sealing, address the package, and forward the same to the Commissioner of Patents. If the weight or bulk of an exhibit shall exclude it from the envelope, it shall, unless waived on the record by agreement of all parties, be authenticated by the officer and transmitted in a separate package, marked and addressed as provided in this rule.

[Rule 154c]

277 Form of deposition. The pages of each deposition must be numbered consecutively, and the name of the witness plainly and conspicuously written at the top of each page. The testimony may be written on legal-size or letter-size paper, with a wide margin on the left-hand side of the page, and with the writing on one side only of the sheet. The questions propounded to each witness must be consecutively numbered and each question must be followed by its answer.

The form of the deposition may be such as to facilitate preparation of the copies of the record required by rule 253.

[Rule 155]

278 Depositions must be filed. All depositions which are taken must be duly filed in the Patent Office. On refusal to file, the Office at its discretion will not further hear or consider the contestant with whom the refusal lies; and the Office may, at its discretion, receive and consider a copy of the withheld deposition, attested by such evidence as is procurable.

[Rule 154f]

279 Inspection of testimony. After testimony is filed in the Office, it may be inspected by any party to the case, but it cannot be withdrawn for the purpose of printing. It may be printed by someone specially designated by the Office for that purpose, under proper restrictions.

[Rule 161]

281 Additional time for taking testimony. If either party shall be unable to procure the testimony of a witness or witnesses within the time limited and said time has expired or is about to expire, and desires additional time for such purpose, he must file a motion, accompanied by a statement under oath setting forth specifically the cause of such inability, the name or names of the witness or witnesses, the facts expected to be proved by such witness or witnesses, the steps which have been taken to procure such testimony, and the dates on which efforts have been made to procure it.

See rule 245 for extensions of time.

[Rule 154d]

282 Official records and printed publications. Official records and any special matter contained in a printed publication, if competent evidence and pertinent to the issue, may be introduced in evidence by filing in the Patent Office a notice to that effect, before the closing of the time for taking the testimony of the party (before the time for taking the testimony in chief if such matters are not in rebuttal), specifying the record or the printed publication, the page or pages thereof to be used, indicating generally its relevancy, and accompanied by the record or authenticated copy, or the printed publication or a copy. The notice and copies of the record or publication must be served on each of the other parties.

See rules 216 and 224 for introduction of prior applications, the filing date of which is claimed.

[Rule 154e]

283 Testimony taken in another interference or action. Upon motion duly made and granted, testimony taken in another interference proceeding, or testimony taken in a suit between the same parties or those in interest, may be used in an interference proceeding, so far as relevant and material, subject, however, to the right of any contesting party to recall or demand the recall of witnesses whose testimony has been taken, and to take other testimony in rebuttal of the testimony.

[Rule 157]

284 Testimony taken in foreign countries. Upon motion duly made and granted, testimony may be taken in foreign countries, upon complying with the following requirements:

(a) The motion must designate a place for the examination of the witnesses at which an officer duly qualified to take testimony under the laws of the United States in a foreign country shall reside, and it must be accompanied by a statement under oath that the motion is made in good faith, and not for the purposes of delay or of vexing or harassing any party to the case; it must also set forth the names of the witnesses, the particular facts to which it is expected each will testify, and the grounds on which is based the belief that each will so testify.

(b) It must appear that the testimony desired is material and competent, and that it can not be taken in this country at all, or can not be taken here without hardship and injury to the moving party greatly exceeding that to which the opposite party will be exposed by the taking of such testimony abroad.

(c) Upon the granting of such motion, a time will be set within which the moving party shall file in duplicate the interrogatories to be propounded to each witness, and serve a copy of the same upon each adverse party, who may, within a designated time, file, in duplicate, cross-interrogatories. Objections to any of the interrogatories or cross-interrogatories may be filed at any time before the depositions are taken, and such objections will be considered and determined upon the hearing of the case.

(d) As soon as the interrogatories and cross-interrogatories are decided to be in proper form, the Commissioner will cause them to be forwarded to the proper officer, with the request that, upon payment of, or satisfactory security for, his official fees, he notify the witnesses named to appear before him within a designated time and make answer thereto under oath; and that he reduce their answers to writing, and transmit the same, under his official seal and signature, to the Commissioner of Patents with the certificate prescribed in rule 276.

(e) By stipulation of the parties the requirements of paragraph (c) of this rule as to written interrogatories and cross-interrogatories may be dispensed with, and the testimony may be taken before the proper officer upon oral interrogatories by the parties, their attorneys or their agents.

(f) Unless false swearing in the giving of such testimony before the officer taking it shall be punishable as perjury under the laws of the foreign state in which it shall be taken, it will not stand on the same footing in the Patent Office as testimony duly taken in the United States; but its weight in each case will be determined by the tribunal having jurisdiction of such case.

[Rule 158]

285 Effect of errors and irregularities in depositions. Notice will not be taken of merely formal or technical objections which shall not appear to have wrought a substantial injury to the party raising them; and in case of such injury it must be made to appear that, as soon as the party became aware of the ground of objection, he gave notice thereof.

(a) *As to notice.* All errors and irregularities in the notice for taking a deposition are waived unless objection is promptly made and served in writing upon the party giving the notice.

(b) *As to disqualification of officer.* Objection to taking a deposition because of disqualification of the officer before whom it is to be taken is waived unless made before the taking of the deposition begins or as soon thereafter as the disqualification becomes known or could be discovered with reasonable diligence.

(c) *As to taking of deposition.* (1) Objections to the competency of a witness or to the competency, relevancy, or materiality of testimony are not waived by failure to make them before or during the taking of the deposition, unless the ground of the objection is one which might have been obviated or removed if presented at that time.

(2) Errors and irregularities occurring at the oral examination in the manner of taking the deposition, in the form of the questions or answers, in the oath or affirmation, or in the conduct of the parties, and errors of any kind which might be obviated, removed, or cured if promptly presented, are waived unless seasonable objection thereto is made at the taking of the deposition.

(d) *As to completion and return of deposition.* Errors and irregularities in the manner in which the testimony is transcribed or the deposition is prepared, signed, certified, sealed, indorsed, transmitted, filed, or otherwise dealt with by the officer are waived unless a motion to suppress the deposition or some part thereof is made with reasonable promptness after such defect is, or with due diligence might have been, ascertained.

[Rule 159]

286 Objections to admissibility. Subject to the provisions of rule 285, objection may be made to receiving in evidence any deposition or part thereof, or any other evidence, for any reason which would require the exclusion of the evidence according to the established rules of evidence, which will be applied strictly by the Office.

[Rule 159]

PROTESTS AND PUBLIC USE PROCEEDINGS

291 Protests to the grant of a patent. The patent statutes do not provide for opposition to the grant of a patent on the part of the public. Protests to the grant of a patent are ordinarily merely acknowledged, and filed after being referred to the examiner having charge of the subject matter involved for his information.

[Rule 11, par. 1]

292 Public use proceedings. (a) When a petition for the institution of public use proceedings, supported by affidavits, is filed by one having information of the pendency of an original application and is found, on reference to the primary examiner, to make a prima facie showing that the invention involved in an interference or claimed in an application believed to be on file had been in public use or on sale one year before the filing of the application, or before the date alleged by an interfering party in his preliminary statement or the date of invention established by such party, a hearing may be had before the Commissioner to determine whether a public use

proceeding should be instituted. If instituted, times may be set for taking testimony, which shall be taken as provided by rules 271 to 286. The petitioner will be heard in the proceedings but after decision therein will not be heard further in the prosecution of the application for patent.

(b) The petition and accompanying papers should be filed in duplicate, or served upon the applicant, his attorney or agent of record, and petitioner should offer to bear any expense to which the Office may be put in connection with the proceeding.

[Rule 11, pars. 2, 3]

APPEAL TO THE U. S. COURT OF CUSTOMS AND PATENT APPEALS

301 **Appeal to court.** Any applicant dissatisfied with the decision of the Board of Appeals, and any party to an interference dissatisfied with the decision of the Board of Interference Examiners, may appeal to the U. S. Court of Customs and Patent Appeals. The appellant must take the following steps in such an appeal: (a) In the Patent Office, give notice to the Commissioner and file the reasons of appeal (see rule 302); (b) in the court, file a petition of appeal and a certified transcript of the record within a specified time after filing the reasons of appeal, and pay the fee for appeal, as provided by the rules of the court.

[Rule 148]

302 **Notice and reasons of appeal.** When an appeal is taken to the U. S. Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within sixty days from the date of the decision appealed from, his reasons of appeal specifically set forth in writing. If a petition for rehearing or reconsideration is filed within thirty days after said decision, the notice of appeal may be given and the reasons of appeal filed within thirty days after action on the petition. No petition for rehearing or reconsideration filed more than thirty days after such decision, nor any proceedings on such petition, shall operate to extend the period of sixty days hereinabove provided for appeal.

In interferences and other contested cases, the notice and reasons must be served as provided in rule 248.

[Rule 149, par. 1]

CIVIL ACTION UNDER R. S. 4915

305 **Civil action under R. S. 4915.** (a) From adverse decisions by the Board of Appeals in ex parte cases, and from decisions of the Board of Interference Examiners, the appellant, if an applicant, has the option of proceeding under R. S. 4915; 35 U. S. C. 63, instead of appealing to the U. S. Court of Customs and Patent Appeals.

(b) If an applicant in an ex parte case has taken an appeal to the U. S. Court of Customs and Patent Appeals, he thereby waives his right to proceed under R. S. 4915 (U. S. C., title 35, sec. 63).

(c) If a defeated applicant to an interference proceeding has taken an appeal to the U. S. Court of Customs and Patent Appeals, and any adverse party to the interference shall, within twenty days after the appellant shall have filed notice of the appeal to the court (rule 302), file notice with the Commissioner that he elects to have all further proceedings conducted as provided in R. S. 4915; 35 U. S. C. 63, certified copies of such notices will be transmitted to the U. S. Court of Customs and Patent Appeals for such action as may be necessary. The notice of election must be served as provided in rule 248.

[Rule 149, pars. 2, 3, 4]

ALLOWANCE AND ISSUE OF PATENT

311 **Notice of allowance.** If, on examination, it shall appear that the applicant is justly entitled to a patent under the law, a notice of allowance will be sent him, his attorney or his agent, calling for the payment of the final fee within six months from the date of such notice of allowance. Upon the receipt of the fee within the time fixed by law, the patent will be prepared for issue. In cases in which no final fee is due (designs, reissues, and patents issued under the act of April 30, 1928, 45 Stat. 467; 35 U. S. C. 45), the patent will be prepared for issue in due course after the notice of allowance is sent.

[Rule 164]

312 **Amendments after allowance.** Amendments after the notice of allowance of an application will not be permitted as a matter of right, but may be made, if the printing of the specification has not begun, on the recommendation of the primary examiner, approved by the Commissioner, without withdrawing the case from issue.

[Rule 78]

313 **Withdrawal from issue.** After the notice of allowance of an application is sent, the case will not be withdrawn from issue except by approval of the Commissioner, and if withdrawn for further action on the part of the Office, a new notice of allowance will be sent if the application is again allowed. When the final fee has been paid, and the patent to be issued has received its date and number, the application will not be withdrawn from issue on account of any mistake or change of purpose of the applicant, his attorney or his agent, nor for the purpose of enabling the inventor to procure a foreign patent, nor for any other reasons except mistake on the part of the Office, or because of fraud or illegality in the application, or for interference. Express abandonment of the application (rule 138) may not be recognized by the Office unless it is actually received by appropriate officials in time to act thereon before the date of issue.

[Rule 165]

314 **Issuance of patent.** Every patent shall issue within a period of three months from the date of the payment of the final fee, which fee shall be paid not later than six months from the date on which the application was allowed and the notice of allowance sent; and if the final fee be not paid within that period, the patent shall be withheld. In the absence of request to suspend issue of the patent up to three months, the patent will issue in regular course in about one month. The issue closes weekly on Thursday, and the patents ordinarily bear date as of the fourth Tuesday thereafter.

[Rule 167]

315 **Delivery of patent.** The patent will be delivered or mailed on the day of its date to the attorney or agent of record, if there be one; or if the attorney or agent so request, to the patentee or assignee of an interest therein; or, if there be no attorney or agent, to the patentee or to the assignee of the entire interest, if he so request.

[Rule 169]

316 **Forfeited application.** A forfeited application is one upon which a patent has been withheld for failure to pay the final fee within the prescribed time. (See rule 314.)

A forfeited application is not considered as pending while forfeited, and, if the final fee is not subsequently paid and accepted as provided in rule 317, the application is abandoned, as of the date it became forfeited.

[Rules 174, 178]

317 **Delayed payment of final fee.** The Commissioner of Patents may, in his discretion, receive the final fee if paid within one year after the six months' period for payment has passed and the patent shall issue as specified in rule 314. Each petition for the delayed payment of the final fee shall be accompanied by the final fee and the petition fee, and a verified statement in support of the petition.

[Rule 175]

DISCLAIMER

321 **Statutory disclaimer in patent.** A disclaimer under R. S. 4917; 35 U. S. C. 65, must comply with the requirements of the statute and must also identify the patent, specify that the claiming of more than the patentee had a right to claim occurred through inadvertence, accident or mistake and without any fraudulent or deceptive intention, identify the claim or claims subject to the disclaimer, and be signed by the person making the disclaimer. Such disclaimers are not examined except as to formal matters, but a disclaimer observed not to be a disclaimer in fact may be refused, and the recording of a disclaimer does not indicate that it is considered by the Patent Office to be proper or valid or that the patent after disclaimer, or any claim thereof, is considered valid. A notice of the disclaimer is published in the Official Gazette and attached to the printed copies of the specification. See rule 21 for fee for disclaimer.

[Rule 181]

CORRECTION OF ERRORS IN PATENT

322 **Certificate of correction.** A certificate of correction under the act of March 4, 1925, 43 Stat. 1268, 35 U. S. C. 88, may be issued at the request of the patentee or his assignee and endorsed on the patent itself. Such certificate will not be issued at the request or suggestion of anyone not owning an interest in the patent, nor on motion of the Office, without first notifying the patentee (including any assignee of record) and affording him an opportunity to be heard.

If the nature of the mistake on the part of the Office is such that a certificate of correction is deemed inappropriate in form, the Commissioner, with the consent of the patentee (or assignee of record, if any) may issue a reissued patent in lieu thereof as a more appropriate form for certificate of correction, without expense to the patentee.

[Rule 170, par. 1]

323 **Other mistakes not corrected.** Mistakes not incurred through the fault of the Office, and not affording legal grounds for reissue, will not be corrected after the date of the patent.

Changes or corrections will not be made in a patent after the date thereof except as provided in rule 322.

[Rule 170, pars. 2, 3]

ASSIGNMENTS AND RECORDING

331 **Recording of assignments.** (a) Assignments, including grants and conveyances, of patents or applications for patents under R. S. 4898; 35 U. S. C. 47, will be recorded in the Patent Office in books kept for that purpose. Other instruments affecting title to a patent or application for patent, and licenses, even though the recording thereof may not serve as constructive notice under R. S. 4898, will be recorded as provided in this rule or in the discretion of the Commissioner.

(b) No instrument will be recorded which is not in the English language and which does not amount to an assignment, grant, mortgage, lien, incumbrance, or license, or which does not affect the title of the patent or invention to which it relates, and which does not identify the patent or application to which it relates, except as ordered by the Commissioner.

(c) An instrument relating to a patent should identify the patent by number and date (the name of the inventor and title of the invention as stated in the patent should also be given); an instrument relating to an application should identify the application by serial number and date of filing (the name of the inventor and title of the invention as stated in the application should also be given) but if an assignment is executed concurrently with or subsequent to the execution of the application but before the application is filed or before its serial number and filing date are ascertained, it should adequately identify the application, as by its date of execution and name of the inventor and title of the invention; so that there can be no mistake as to the patent or application intended.

[Rule 186]

332 **Receipt and recording.** The receipt of assignments is generally acknowledged by the Office. They are recorded in regular order as promptly as possible, and then transmitted with the date of record and Liber and Page number stamped thereon to the persons entitled to them. The date of the record is the date of the receipt of the assignment at the Office in proper form and accompanied by the full legal fee for recording.

[Rules 188, 189]

333 **Conditional assignments.** Assignments which are made conditional on the performance of certain acts or events, as the payment of money or other condition subsequent, if recorded in the Office are regarded as absolute assignments for Office purposes until cancelled with the written consent of both parties or by the decree of a competent court. The Office has no means for determining whether such conditions have been fulfilled.

[Rule 187]

334 **Issue of patent to assignee.** In case of an assignment of the entire interest in the invention

and application, or of the entire interest in the patent to be granted, the patent will normally issue to the assignee; and if the assignee hold an undivided part interest, the patent will normally issue jointly to the inventor and the assignee; if it is desired that the patent so issue the assignment in either case must first have been recorded, and at a day not later than the date of the payment of the final fee; in the case of an application for reissue, the assignment must be recorded before the case is allowed; in the case of an application for a design patent, the assignment must be recorded at least ten days before the case is allowed.

[Rules 26, 188]

RECOGNITION OF ATTORNEYS AND AGENTS

341 Registration of attorneys and agents. A register of attorneys and a register of agents are kept in the Patent Office on which are entered the names of all persons recognized as entitled to represent applicants before the Patent Office in the preparation and prosecution of applications for patent. Registration in the Patent Office under the provisions of these rules shall only entitle the persons registered to practice before the Patent Office.

[Rule 17]

(a) *Attorneys at law.* Any attorney at law in good standing admitted to practice before any United States Court or the highest court of any State or Territory of the United States who fulfills the requirements and complies with the provisions of these rules may be admitted to practice before the Patent Office and have his name entered on the register of attorneys.

[Rule 17a]

(b) *Agents.* Any citizen of the United States not an attorney at law who fulfills the requirements and complies with the provision of these rules may be admitted to practice before the Patent Office and have his name entered on the register of agents.

NOTE: All persons registered prior to November 15, 1938, were registered as attorneys, whether they were attorneys at law or not, and such registrations have not been changed.

[Rule 17c, k]

(c) *Requirements for registration.* No person will be admitted to practice and registered unless he shall apply to the Commissioner of Patents in writing on a prescribed form supplied by the Commissioner and furnish all requested information and material; and shall establish to the satisfaction of the Commissioner that he is of good moral character and of good repute and possessed of the legal and scientific and technical qualifications necessary to enable him to render applicants for patents valuable service, and is otherwise competent to advise and assist them in the presentation and prosecution of their applications before the Patent Office. In order that the Commissioner may determine whether a person seeking to have his name placed upon either of the registers has the qualifications specified, satisfactory proof of good moral character and repute, and of sufficient basic training in scientific and technical matters must be submitted and an examination which is held from time to time must be taken and passed. The taking of an examination may be waived in the case of any person who has served for three years in the examining corps of the Patent Office.

[Rule 17e]

(d) *Registration of firms.* Any firm, the individual members of which are each registered on the register of attorneys, may have its name entered upon the register of attorneys. Any firm, one of the individual members of which is registered on the register of agents and each of the remaining individual members are registered either on the register of attorneys or the register of agents, may have its name entered on the register of agents. If the membership of the firm is changed, application must be made for registration of the firm as changed.

[Rule 17b, d]

(e) *Foreign patent attorneys and agents.* Any foreign patent attorney or agent not a resident of the United States who shall file proof to the satisfaction of the Commissioner that he is registered and in good standing before the patent office of the country in which he resides and practices, and is possessed of the qualifications stated in paragraph (c) of this rule, may be registered on the register of agents as entitled to represent applicants located in such country before the United States Patent Office in the presentation and prosecution of applications: *Provided*, That the patent office of such country allows substantially reciprocal privileges to those admitted to practice before the United States Patent Office. Such registration shall continue only during the period that the conditions specified obtain.

[Rule 17f]

(f) *Government employees.* Officers and employees of the United States who are disqualified by statute (18 U. S. C. 281) from practicing as attorneys or agents in proceedings or other matters before government departments or agencies, may not be registered, and if any registered attorney or agent becomes such an officer or employee, his name on the register shall be endorsed as inactive during the period of such employment, but officers or employees whose official duties require the preparation and prosecution of applications for patent may be registered (on compliance with these rules) or recognized to practice, to the extent necessary to carry out their official duties.

(g) *Former examiners.* No person who has served in the examining corps of the Patent Office will be registered after termination of his services, nor, if registered before such service, be reinstated, unless he undertakes (1) not to prosecute or aid in any manner in the prosecution of any application pending in any examining division in which he served, on the date he left said division; and (2) not to prepare or prosecute nor to assist in any manner in the preparation or prosecution of any application of another filed within two years after the date he left such division, and assigned to such division, without the specific authorization of the Commissioner. Associated and related classes in other divisions may be required to be included in the undertaking or designated classes may be excluded. In case application for registration or reinstatement is made after resignation from the Office, the applicant will not be registered, or reinstated, if he has prepared or prosecuted, or assisted in the preparation or prosecution of any such application as indicated in this paragraph.

(h) *Oath and registration fee.* Before his name may be entered on the register of attorneys or on the register of agents, every applicant for registration must, after his application is approved, subscribe and swear to an oath prescribed by the Commissioner of Patents and pay the prescribed registration fee (see rule 21).

[Rule 17j]

(i) *Committee on Enrollment.* The Commissioner may establish a Committee on Enrollment to receive and act upon applications for registration to practice before the Patent Office, to conduct and supervise the examinations provided for in paragraph (c) of this rule, to maintain the registers and to perform such other duties in connection with enrollment and recognition of attorneys and agents as may be necessary; or such functions may be performed by designated officials of the Patent Office. Any action of such committee or official may be reviewed by the Commissioner.

342 Limited recognition. Any person not registered and not entitled to be recognized under rule 341 as an attorney or agent to represent applicants generally may, upon a showing of circumstances which render it necessary or justifiable, be recognized by the Commissioner to prosecute as attorney or agent a specified application or applications, but this limited recognition shall not extend further than the application or applications specified.

[Rule 17g]

343 Persons not registered or recognized. No person or firm not registered or specifically recognized as provided in rule 342 will be permitted to prosecute applications of others before the Patent Office.

[Rule 17h]

344 Professional conduct. Attorneys and agents appearing before the Patent Office must conform to the standards of ethical and professional conduct generally applicable to attorneys before the courts of the United States.

345 Advertising. Every attorney and agent registered to practice before the United States Patent Office shall submit to the Commissioner of Patents for approval copies of all proposed advertising matter, circulars, letters, cards, etc., intended to solicit patent business, and if it be not disapproved by him and the attorney or agent so notified within ten days after submission, it may be considered approved.

No registered agent shall, in advertising matter or in papers filed in the Patent Office, represent himself to be an attorney, solicitor, or lawyer.

Any registered attorney or agent sending out or using any such matter, a copy of which has not been submitted to the Commissioner of Patents in accordance with this rule, or which has been disapproved by the Commissioner of Patents, and any registered agent misrepresenting his status shall be subject to suspension or disbarment.

[Rule 17i]

346 Signature and certificate of attorney. Every paper filed by an attorney or agent representing an applicant or party to a proceeding in the Patent Office must bear the signature of such attorney or agent, except papers which are required to be signed by the applicant or party in person (such as the application itself and affidavits required of applicants). The signature of an attorney or agent to a paper filed by him, or the filing or presentation of any paper by him, constitutes a certificate that the paper has been read; that its filing is authorized; that to the best of his knowledge, information, and belief there is good ground to support it; and that it is not interposed for delay. When an applicant or party is represented by a registered firm such papers must carry the signature of an individual member of the firm or an individual registered attorney or agent employed by the firm and duly authorized to sign on behalf of the firm, in addition to the firm name, and the certification shall be a certification by and on behalf of the firm and by the individual.

347 Removing names from registers. Attorneys, agents, and firms, registered to practice before the Patent Office, should notify the Office of any change of address for entry on the register, by letter separate from any notice of change of address filed in individual applications. The Office may address a letter to any person or firm on the registers, at the address of which separate notice for the register was last received, for the purpose of ascertaining whether such person or firm desires to remain on the register. The name of any person or firm failing to reply and give the information requested within a time limit specified will be removed from the register, and the names so removed published in the Official Gazette. Any name so removed may be reinstated, either on the register of attorneys or the register of agents, as may be appropriate.

348 Suspension or disbarment proceedings. Except as otherwise provided, proceedings for suspension, disbarment, or exclusion from practice are before a Commissioner.

(a) *Investigating and prosecuting officer.* The duties of investigation, preparing charges, collecting and presenting testimony, and presenting a case for suspension, exclusion from practice or disbarment shall be performed by the Solicitor of the Patent Office or, at his direction, by a designated law examiner or other person, and neither the Solicitor nor such law examiner or other person shall participate in any manner in the decision of the case. If, upon investigation of a complaint or other information concerning an attorney or agent, it shall appear to the Solicitor that grounds for suspension, exclusion from practice, or disbarment exist, he shall prepare and forward the necessary notice and statement.

(b) *Notice of proceedings.* Proceedings for suspension or disbarment shall be instituted by the Solicitor by mailing to, or otherwise serving on, the respondent a notice of such proceeding with a statement of the charges against him, at the same time forwarding a copy to the Commissioner. It shall be the duty of the respondent to answer the charges as specified in paragraph (c) of this rule.

(c) *Answer.* The respondent's answer shall be filed in writing with the Commissioner within thirty days from the time the notice is served on the respondent, or within such extension of time

as may be allowed by the Commissioner for good cause shown. The answer shall be under oath. Failure to answer within the time allowed will be taken as an admission of the charges. The respondent in his answer should specifically admit or deny every material allegation of fact in the statement of charges; every allegation not denied shall be deemed admitted, unless the respondent states that he has no knowledge thereof sufficient to form a belief, which statement shall be considered a denial. Any special matters of defense shall be stated affirmatively in the answer. False statements in the answer may be made the basis of supplemental charges.

(d) *Hearing.* Unless the Commissioner finds the answer sufficient to dispose of the charges, he will set the case for hearing before him, notifying the respondent and the Solicitor of the place, day and time of commencement of the hearing. Evidence as to the matters in issue may be submitted at the hearing, the testimony of witnesses being presented orally, under oath and reported.

The hearing may be advanced and continued by the Commissioner, as far as may be deemed convenient and proper.

Depositions for use at the hearing in lieu of personal appearance of witnesses may be taken by either the Solicitor or the respondent on application to and with the written consent of the Commissioner within such times and under such conditions as the Commissioner may prescribe.

(e) *Hearing officer.* The Commissioner may, in his discretion, delegate the conduct of the hearing to a hearing or trial examiner who shall be the presiding officer and who shall make a recommended decision.

(f) *Administrative Procedure Act.* Proceedings shall be governed, in matters not specifically set forth herein, by the provisions of the Administrative Procedure Act, 60 Stat. 237, 5 U. S. C. 1001–1011, which may be applicable.

AMENDMENT OF RULES

351 **Amendments to rules will be published.** All amendments to these rules will be published in the Official Gazette and in the Federal Register. [Rule 198]

352 **Publication of notice of proposed amendments.** Whenever required by law, and in other cases whenever practicable, notice of proposed amendments to these rules will be published in the Official Gazette and in the Federal Register. If not published with the notice, copies of the text will be furnished to any person requesting the same. All comments, suggestions, and briefs received within a time specified in the notice will be considered before adoption of the proposed amendments which may be modified in the light thereof.

Oral hearings may be held at the discretion of the Commissioner.

Table of old rule numbers with approximate corresponding numbers of new rules.

Old rule	New rule	Old rule	New rule	Old rule	New rule
1	2	34	71	77 (par. 5, 6)	106
2	1	35	71	78	312
3	omitted	36	71	79	omitted
4	2	37	75	80	155
5	32	38	74	81	151, 153
6	omitted	39	77	82	154
7	35	40	76	83	omitted
8	4	41	141, 146	84	152
9	5	42	142–144	85	171, 172
10	5	43	78	86	171, 172
11	291, 292	44	79	87	175
12	6	45	52	88	173, 174
13	133	46	65	89	177
14	omitted	47	66	90	176
15	14	48	67	91	178, 179
16	11	49	81	92	omitted
17 (par. 1)	31	50	82, 83	93	201, 202, 204
17 (par. 2)	341	51	83	94	78, 201, 204–206
17a	341a	52	84	95	203
17b	341d	53	174	96	203, 206, 208
17c	341b	54	85	97	207
17d	341d	55	86	98	omitted
17e	341c	56	91	99	omitted
17f	341e	57	91	100	211
17g	342	58	91	101	211
17h	343	59	92	102	209
17i	345	60	94, 95	103	209
17j	341h	61	94	104	218
17k	341b	62	93	105	241
18	34	63	101, 102, 206	106	omitted
19	omitted	64	105	107	262
20	36	65	104	108	236
21	omitted	66	106, 107	109	212, 233, 234
22a, b	3	67	omitted	110	215–217, 219, 223
22c	omitted	68 (par. 1)	111, 115, 133	111	227
23	omitted	68 (par. 2, 3, 5)	116	112	221, 227
24	omitted	68 (par. 4)	127	113	222
25	42, 43	69	111	114	225
26	46, 334	70	118	115	223
27	omitted	71	117	116	257
28	45	72 (par. 1)	59	117	223
29	omitted	72 (par. 2)	126	118	251
30	51, 52	73 (par. 1)	121	119	252
30A	58	73 (par. 2)	123	120	251
31 (par. 1)	53	73 (par. 3)	33	121	281
31 (par. 2)	56	74	124, 125	122	232, 236, 258
31 (par. 3, 4)	55	75	131	123	236, 246
31 (par. 5)	53	76	132	124	236, 243
31 (par. 6)	7	77 (par. 1)	135	125	261
32	54	77 (par. 2, 3)	136	126	259
33	61	77 (par. 4)	203	127	267

Table of old rule numbers with approximate corresponding numbers of new rules.

Old rule	New rule	Old rule	New rule	Old rule	New rule
128	237	154b	248, 273	176	Cancelled 1939
129	238	154c	275, 276	177	108
130	258	154d	281	178	316
131	242	154e	282	179	omitted
132	265	154f	278	180	omitted
133	191	155	277	181	321
134	Cancelled 1941	156	274, 275	182	omitted
135	omitted	157	283	183	omitted
136	Cancelled 1927	158	284	184	omitted
137	194	159	271, 285, 286	185	omitted
138	195	160	omitted	186	321
139	196	161	279	187	332
140	198	162	253	188	332, 334
141	197	163	236, 243, 244, 254	189	332
142	181	164	311	190	22
143	omitted	165	313	191	21
144–146	Cancelled 1939	166	omitted	192	12
147	184	167	314	193	13
148	301	168	omitted	194	23
149	302, 305	169	315	195	26
150	omitted	170	322, 323	196	omitted
151	256	171	135, 138	197	omitted
152	256	172	137	198	351
153	243, 244	173	88	199	182
153a	247	174	316		
154a	273	175	317		

RULES OF PRACTICE IN TRADE-MARK CASES

The following amendments to particular rules of the Rules of Practice in Trade-Mark Cases have been adopted and promulgated to change references to, or inclusion by reference of, particular rules of the Rules of Practice in Patent Cases or to conform them to related or corresponding patent rules.

These amendments take effect on March 1, 1949, in the same manner as the changes in the patent rules. See the Federal Register for December 31, 1948.

The time of taking effect of Trade-Mark Rule 4.4 is further extended to July 1, 1949, and until such time old Trade-Mark Rule 11, fourth and fifth paragraphs, is still in effect.

LAWRENCE C. KINGSLAND,
Commissioner of Patents.

---

1. Rule 2.1 is amended by changing the note at the end of said rule to read as follows:

NOTE: The Official Gazette and other publications are sold by the Superintendent of Documents, Government Printing Office, Washington 25, D. C., who also sets the prices, to whom all communications respecting the same should be addressed (except with respect to items indicated as supplied by the Patent Office only).

Official Gazette of the United States Patent Office:	
Annual subscription, domestic	$17.50
Including indexes of patents and trade marks, paper bound $21.00; cloth bound $24.50.	
Annual subscription, foreign	26.50
Including indexes of patents and trade marks, paper bound $31.00; cloth bound $34.50.	
Single numbers	.35
Portions of the Official Gazette supplied separately:	
Decision leaflets, domestic $2.50 per annum, foreign $4.25 per annum; single numbers	.05
Trade-mark section, domestic $8.00 per annum, foreign $10.00 per annum; single numbers	.20
Weekly index pages (supplied only by the Patent Office), $2.50 per annum; single numbers	.05
Annual index relating to trade-marks; price varies, 1947 volume, $3.00 cloth; paper	1.75
Decisions of the Commissioner of Patents; price varies, 1946 volume, buckram	2.00

2. Rule 4.2, first paragraph. The reference "Patent Rule 17" is changed to read "Patent Rule 341."

3. Rule 4.4, Advertising, is amended by adding the following note:

NOTE: The following rule, being paragraphs 4 and 5 of old Trade-Mark Rule 11, the rule currently in effect, shall be in effect until this rule comes into effect:

Every attorney prosecuting applications for registration of trade-marks shall submit to the Commissioner of Patents for approval copies of all proposed advertising matter, circulars, letters, cards, etc., intended to solicit trade-mark business, and if it be not disapproved by him and the attorney so notified within 10 days after submission, it may be considered approved.

Any such attorney sending out or using any such matter, a copy of which has not been submitted to the Commissioner of Patents in accordance with this rule, or which has been disapproved by the Commissioner of Patents, shall be subject to suspension or exclusion from practice before the Patent Office, or any division thereof.

4. Rule 4.5 is amended to read as follows:

4.5 Signature and certificate of attorney. Every paper filed by an attorney at law or other recognized person representing an applicant or party to a proceeding in the Patent Office must bear the signature of such attorney or person, except papers which are required to be signed by the applicant or party in person (such as the application itself and affidavits required of applicants or registrants). The signature of an attorney or such other person to a paper filed by him, or the filing or presentation of any paper by him, constitutes a certificate that the paper has been read; that its filing is authorized; that to the best of his knowledge, information, and belief there is good ground to support it; and that it is not interposed for delay. When an applicant or party is represented by a firm such papers must carry the signature of an individual member of the firm or an individual attorney employed by the firm and duly authorized to sign on behalf of the firm, in addition to the firm name, and the certification shall be a certification by and on behalf of the firm and by the individual.

5. Rule 4.6 is amended by adding the following sentence at the end of the rule, preceding the parenthetical note: "Proceedings for suspension, disbarment or exclusion from practice are conducted as provided in Patent Rule 348."

6. Rule 23.3 is amended by changing the first sentence thereof to read as follows: "Every paper filed in the Patent Office in contested cases, including appeals, must be served upon the other parties as provided by Patent Rule 248 except the notices of interference (Rule 19.3), the notice of opposition (Rule 20.5), the petition for cancellation (Rule 21.3) and the notices of a concurrent use proceeding (Rule 22.1), which are mailed by the Patent Office."

7. Rule 23.4 is amended by cancelling the last sentence thereof.

8. Rule 23.5 is amended by changing the reference "Patent Rules 154 to 161," to read, "Patent Rules 271 to 286,".

9. Rule 23.6 is amended by changing the first sentence to read: "In addition to the original transcript of the testimony, two true copies of the record of each party must be filed, for the use of the Patent Office, and one true copy of the record must be served upon each of the opposing parties."

10. Rule 26.4 is amended by changing the reference "Patent Rules 148 to 150" in the parenthetical note at the end of said rule to read "Patent Rules 301, 302 and 305."

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 8, 1949

[VOL. 619. NO. 2]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 506,154. JOHN M. BASH, doing business as Phillips Chemical Company, Chicago, Ill. Filed July 24, 1946.

PSC

FOR CLEANING COMPOUNDS AND SOLVENTS FOR CLEANING FERROUS AND NON-FERROUS METALS.
Claims use since Nov. 13, 1945.

Ser. No. 521,400. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 26, 1947.

WHIRLAWAY

FOR CLEANING COMPOSITION PARTICULARLY ADAPTED FOR CLEARING DRAINS.
Claims use since Mar. 24, 1947.

Ser. No. 521,401. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 26, 1947.

PENNSALT
WHIRLAWAY

FOR CLEANING COMPOSITION PARTICULARLY ADAPTED FOR CLEARING DRAINS.
Claims use since Mar. 24, 1947.

CLASS 5

ADHESIVES

Ser. No. 504,947. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed July 1, 1946.

DIAMONITE

FOR HEAT CONDUCTING ADHESIVE CEMENT COMPOSED OF GROUND FIRED CERAMIC MATERIAL WHICH UPON SETTING IS RESISTANT TO DECOMPOSITION BY HEAT, AND WHICH FOR USE IS MIXED WITH AN AQUEOUS SOLUTION OF A CRYSTALLIZING SALT SUCH AS SILICATE OF SODA CAUSING THE MATERIAL TO SET OR HARDEN BY CRYSTALLIZATION, AND WHICH MAY BE USED FOR EXAMPLE IN SPARK PLUG MANUFACTURE FOR CEMENTING THE CENTER ELECTRODE OF THE SPARK PLUG IN THE SPARK PLUG INSULATOR OR FOR CEMENTING THE SPARK PLUG INSULATOR IN THE SPARK PLUG SHELL.
Claims use since June 20, 1946.

Ser. No. 504,949. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed July 1, 1946.

SAPPHIRITE

FOR HEAT CONDUCTING ADHESIVE CEMENT COMPOSED OF GROUND FIRED CERAMIC MATERIAL WHICH UPON SETTING IS RESISTANT TO DECOMPOSITION BY HEAT, AND WHICH FOR USE IS MIXED WITH AN AQUEOUS SOLUTION OF A CRYSTALLIZING SALT SUCH AS SILICATE OF SODA CAUSING THE MATERIAL TO SET OR HARDEN BY CRYSTALLIZATION, AND WHICH MAY BE USED FOR EXAMPLE IN SPARK PLUG MANUFACTURE FOR CEMENTING THE CENTER ELECTRODE OF THE SPARK PLUG IN THE SPARK PLUG INSULATOR OR FOR CEMENTING THE SPARK PLUG INSULATOR IN THE SPARK PLUG SHELL.
Claims use since June 20, 1946.

proved by the Commissioner of Patents, shall be "Patent Rules 301, 302 and 305."

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 475,114. WILLIAM S. HIEBER, doing business as Henri Monet, Atlanta, Ga. Filed Oct. 9, 1944.

GYPSY BELLE

FOR PERFUMES.
Claims use since November 1928.

Ser. No. 509,973. COOK CHEMICAL COMPANY, Kansas City, Mo. Filed Sept. 30, 1946.

Wonder

FOR WEED KILLER AND INSECTICIDE.
Claims use since May 1945, on insecticide, and since April 1946, on weed killer.

Ser. No. 511,335. LINCOLN LABORATORIES, INCORPORATED, Decatur, Ill. Filed Oct. 23, 1946.

Histicevit

FOR MEDICINAL PREPARATION SOLD ONLY ON A PHYSICIAN'S PRESCRIPTION AND ADMINISTERED BY INTRA-VENOUS INJECTION USED IN THE TREATMENT OF PEPTIC AND DUODENAL ULCERS.
Claims use since Mar. 17, 1944.

Ser. No. 517,028. WOL DRUG COMPANY, Milwaukee, Wis. Filed Feb. 4, 1947.

PINK FOG

The word "Pink" is disclaimed apart from the mark.
FOR COSMETIC PREPARATIONS FOR CLEANSING AND BEAUTIFYING THE SKIN—NAMELY, FACIAL MASQUE.
Claims use since Oct. 19, 1946.

Ser. No. 525,314. MCBRIDE & HALL, Orange, Calif. Filed July 1, 1947.

Natural-Le

The descriptive term "Natural" is disclaimed apart from the other features of the mark as shown.
FOR HAIR RINSE AND CONDITIONER.
Claims use since July 1, 1946.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 479,501. UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed Feb. 6, 1945.

AEROFUSE

FOR AUTOMATIC CUT-OFF VALVES FOR HYDRAULIC FLUID LINES, OPERATIVE ONLY ON EXCESS QUANTITY FLOW INCIDENT TO RUPTURE OF LINES BEYOND THEM.
Claims use since Aug. 31, 1944.

Ser. No. 510,424. THE COLUMBUS MCKINNON CHAIN CORPORATION, Tonawanda, N. Y. Filed Oct. 8, 1946.

DREADNAUGHT

FOR TIRE-CHAINS.
Claims use since 1915.

Ser. No. 516,951. THE BROCKWAY COMPANY, Naugatuck, Conn. Filed Feb. 5, 1947.

UNIFLARE

FOR PIPE FITTINGS—NAMELY, CONNECTORS, COUPLINGS, UNIONS, CROSSES, ELBOWS AND NUTS, MADE OF FERROUS AND NON-FERROUS METALS, AND FLEXIBLE METAL PIPE.
Claims use since Nov. 29, 1946.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 502,769. SANITEX PRODUCTS COMPANY, Los Angeles, Calif., assignor to Sanitex Products, Inc., Los Angeles, Calif. Filed May 25, 1946.

SANISHEEN

FOR FLOOR WAX.
Claims use since September 1943.

Ser. No. 518,559. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Mar. 5, 1947.

The words "Color Division Pittsburgh Plate Glass Co., Detroit, U. S. A. Dependable Finishes" are disclaimed apart from the mark as shown. The drawing is lined for yellow and red.
FOR CANVAS SEALER FOR SEALING AND UNDERCOATING CANVAS DECKS ON TRAILERS, TRUNKS AND BOATS; MASKING LIQUID AS A NON-DRYING COVERING FOR WINDOWS AND METAL PLATING TO PROTECT SURFACES AGAINST LACQUER AND PAINT SPRAYS; POLISH AND CLEANER FOR CLEANING AND POLISHING LACQUERED AND ENAMELED SURFACES; RUBBING COMPOUND FOR RUBBING AND POLISHING LACQUERED SURFACES; AND RUBBER DRESSING FOR SPRAYING OR BRUSHING UPON RUBBER TIRES, RUNNING BOARDS, FLOOR MATS AND OTHER RUBBER PRODUCTS.
Claims use since Jan. 1, 1941.

CLASS 19

VEHICLES

Ser. No. 486,306. GUST KALYBABA, Kirkland, Wash. Filed July 26, 1945.

ZEPHYR-CRAFT

No exclusive right is claimed to the separate use of the word "Craft."
FOR MARINE BOATS UNDER 75 FEET IN LENGTH, EXCLUDING TOY BOATS.
Claims use since June 28, 1945.

Ser. No. 521,040. TRICO PRODUCTS CORPORATION, Buffalo, N. Y. Filed Apr. 19, 1947.

FOR FLUID OPERATED AUTOMOBILE ACCESSORIES—NAMELY, FLUID OPERATED WINDSHIELD CLEANERS OF THE SQUEEGEE TYPE, AND PARTS THEREOF INCLUDING FLUID MOTORS, BLADES AND ARMS; FLUID OPERATED WINDOW OPERATORS AND PARTS THEREOF INCLUDING FLUID MOTORS; AND FLUID OPERATED WINDSHIELD WASHERS AND PARTS THEREOF INCLUDING FLUID MOTORS.
Claims use since Oct. 22, 1945.

Ser. No. 521,882. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed May 5, 1947.

Rollfast

FOR BICYCLES.
Claims use since about 1913.

Ser. No. 522,807. HARWILL, INC., St. Charles, Mich. Filed May 22, 1947.

The word "Craft" is disclaimed apart from the mark.
FOR POWER BOATS AND ROW BOATS.
Claims use since July 15, 1946.

Ser. No. 524,981. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

FOR BICYCLES.
Claims use since 1920.

Ser. No. 524,985. D. P. HARRIS HARDWARE MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

KEYSTONE

FOR BICYCLES.
Claims use since 1920.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 491,329. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945.

ELECTRIC UNIT
UNION MADE
FABRICATION LABEL

No claim is made to the words "affiliated with," "American," Union Made," "Fabrication Label," "Electrical," and "Electric Unit" apart from the mark.

FOR ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, CONDUITS AND FITTINGS FOR CONDUITS; SWITCHBOARDS, PANEL BOARDS AND ENCLOSED SWITCHES; TELEPHONES AND TELEPHONE SUPPLIES—NAMELY, CORDS, INDUCTION COILS, RECEIVER SWITCHES, CONDENSERS, RINGERS, TERMINALS, TERMINAL STRIPS, GONGS, CHIMES, BUZZERS, JACKS, PLUGS, RELAYS, SIGNAL ALARMS, ARRESTERS, GROUND RODS, AND GENERATORS; OUTLET BOXES; WIRE AND CABLE; LIGHTING FIXTURES, POWER LINE TRANSFORMERS, LUMINOUS TUBE TRANSFORMERS; ELECTRIC PORTABLE LAMPS, ELEVATOR CONTROL BOARDS; ELECTRICAL METAL MOLDING AND SURFACE METAL RACEWAYS; RADIO RECEIVING AND TRANSMITTING SETS, FLASHLIGHTS AND BATTERIES, SOCKETS, SWITCH PLATES, DRY CELL BATTERIES AND FUSES; NON-METALLIC ELECTRODES; FLOOR BOXES; WET CELL BATTERIES; ARMATURE AND MOTOR WINDINGS; MOTORS, HOUSEHOLD APPLIANCES—NAMELY, HOT PLATES, TOASTERS, SPACE HEATERS, HAIR CURLERS, FOOD MIXERS, VACUUM CLEANERS, AND FLATIRONS.
Claims use since Sept. 1, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 506,195. PHILLIPS MANUFACTURING COMPANY, Chicago, Ill. Filed July 24, 1946.

Torrent

FOR POWER SPRAY WASHERS FOR METAL CLEANING.
Claims use since Feb. 2, 1946.

Ser. No. 506,315. HELM SPECIALTY COMPANY, Middletown, Ohio. Filed July 26, 1946.

FISH No Fuss ACE SCALER No Muss

Applicant disclaims the words "Fish Scaler," "No Muss," and "No Fuss."
FOR HAND-OPERATED FISH SCALERS.
Claims use since Apr. 8, 1941.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 504,023. ARLIN PRODUCTS, INCORPORATED, Detroit Mich. Filed June 17, 1946.

Detectron

FOR ELECTRIC GAUGING MECHANISMS FOR DETERMINING PHYSICAL DIMENSIONS.
Claims use since Oct. 9, 1945.

Ser. No. 510,402. QUVAS PRODUCTS INC., West Orange, N. J. Filed Oct. 7, 1946.

QUVAS

FOR ELECTRICAL MEASURING INSTRUMENTS—NAMELY, AMMETERS, MILLIAMMETERS, MICROAMMETERS, VOLTMETERS OHMMETERS, MULTIMETERS, LIGHT METERS AND INSTRUMENTS OF THE ABOVE TYPE PROVIDED WITH A MOVABLE AND A STATIONARY CONTACT ADAPTED TO CLOSE AND OPEN AN AUXILIARY ELECTRICAL CIRCUIT IN ACCORDANCE WITH THE MAGNITUDE OF CURRENT FLOWING IN THE INSTRUMENT.
Claims use since Dec. 15, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 518,005. JACOBY-BENDER, INC., New York, N. Y. Filed Feb. 24, 1947.

"Champion"

FOR MEN'S EXPANSION BRACELETS AND LINKS THEREFOR.
Claims use since Dec. 1, 1941.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 504,265. SOCIETE ANONYME DES ANCIENS ESTABLISSEMENTS MARTIN FRERES, Paris, France. Filed June 20, 1946.

MARTIN Frères

FOR WOOD-WIND MUSICAL INSTRUMENTS—NAMELY, REEDS, CLABINETS, OBOES, AND BASSOONS.
Claims use since 1740.

CLASS 37

PAPER AND STATIONERY

Ser. No. 505,556. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed July 18, 1946.

CELCON

FOR ENVELOPES, ENVELOPE WINDOWS, PAPERY MATERIAL FOR WRITING, DRAWING, PRINTING AND DECORATIVE PURPOSES, STENCILS, GUMMED SHEETS AND CELLULOSIC TRANSPARENT AND TRANSLUCENT WRAPPING AND PACKAGING MATERIAL.
Claims use since July 1, 1946.

Ser. No. 511,147. A. GROSSMAN, New York, N. Y. Filed Oct. 19, 1946.

ON TIME

FOR ENVELOPES FOR GREETING CARDS SOLD EMPTY.
Claims use since Oct. 16, 1946.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 521,798. CENTURY PUBLICATIONS, Chicago, Ill. Filed May 3, 1947.

CARAVAN

FOR PERIODICAL MAGAZINE OF FICTIONAL CHARACTER, AND FOR GENERAL CIRCULATION.
Claims use since Apr. 22, 1947.

Ser. No. 522,061. NORCROSS, INC., New York, N. Y. Filed May 8, 1947.

INKY

FOR GREETING CARDS, PRINTED GREETING FOLDERS, CALENDARS, PRINTED DECORATIVE TAGS, AND PRINTED SEALS.
Claims use since Apr. 8, 1947.

CLASS 39

CLOTHING

Ser. No. 522,916. BREVIT SHOES LIMITED, Leicester, England. Filed May 23, 1947.

'Floatees'

FOR SHOES.
Claims use since October 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 516,284. HOUSE BEAUTIFUL CURTAINS, INC., New York, N. Y. Filed Jan. 24, 1947.

Four Line

The word "Line" and the representation of the stitched fabric is disclaimed apart from the mark.
FOR SHOWER CURTAINS.
Claims use since Nov. 1, 1946.

Ser. No. 520,296. PEDIGREE FABRICS, INC., New York, N. Y. Filed Apr. 7, 1947.

Pedalure

FOR WOVEN FABRIC OF RAYON OR NYLON, OR MIXTURES THEREOF, SOLD BY THE PIECE.
Claims use since August 1939.

Ser. No. 524,040. ALGEMEENE KUNSTZIJDE UNIE, N. V., Arnhem, Netherlands. Filed June 12, 1947.

FIBRENKA

FOR KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE, MADE OF RAYON, NYLON, AND PROTEIN FIBERS AND YARNS.
Claims use since 1935.

CLEANERS, AND FLATIRONS.
Claims use since Sept. 1, 1939.

THEREFOR.
Claims use since Dec. 1, 1941.

CHARACTER, AND FOR
Claims use since Apr. 22, 1947.

Claims use since 1935.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 523,770. CONTINENTAL SALES CORPORATION, Indianapolis, Ind. Filed June 7, 1947.

VITA-LIFE

FOR BATH CABINETS FITTED FOR THE DELIVERY OF STEAM, WATER, AND DRY HEAT TO THE INTERIOR THEREOF.
Claims use since May 28, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 506,740. DUTCH MILL CANDY CO., Chicago, Ill. Filed Aug. 2, 1946.

PECAN TOTS

The word "Pecan" is disclaimed apart from the mark.
FOR CANDIES.
Claims use since June 15, 1946.

Ser. No. 514,616. MIN SUN TRADING COMPANY, Chicago, Ill. Filed Dec. 20, 1946.

CHINA GIRL

Applicant disclaims the exclusive use of "China" per se. The picture of a girl shown is fanciful.
FOR CHOW MEIN NOODLES, SOY SAUCE (CHOP SUEY SAUCE), BAMBOO SHOOTS, CHOP SUEY VEGETABLES, WATER CHESTNUTS, BEAN SPROUTS, AND BEAD MOLASSES.
Claims use since September 1929.

Ser. No. 519,824. MARTHA WASHINGTON ICE CREAM CORPORATION, Bloomfield, N. J. Filed Mar. 29, 1947.

La Raine

FOR ICE CREAM.
Claims use since Feb. 11, 1947.

Ser. No. 522,921. CONTINENTAL CANDY COMPANY, New Hyde Park, N. Y. Filed May 23, 1947.

Truffe au Lait

The word "Lait" is disclaimed apart from the mark.
FOR CANDY.
Claims use since Mar. 12, 1947.

Ser. No. 524,696. THE FRANK TEA & SPICE COMPANY, Cincinnati, Ohio. Filed June 24, 1947.

Mister Mustard

No claim is made to the word "Mustard" apart from the mark shown.
FOR PREPARED MUSTARD.
Claims use since Dec. 23, 1941.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 517,631. FORMULETTE COMPANY, INC., New York, N. Y. Filed Feb. 17, 1947.

Feedette

FOR BABY KITS CONTAINING HOT PLATES, IN THE FORM OF DISHES PROVIDED WITH COMPARTMENTS FOR HOLDING HOT WATER TO KEEP FOOD WARM, CUPS, SPOONS, AND RATTLES, BOTTLES, NURSING NIPPLES, AND STERILIZERS FOR THE SAME.
Claims use since June 1, 1946.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 532,260. CHARLES H. DAVIS, trustee for Henriette V. Loufek, Charles W. Loufek, Jr., Helen Louise Loufek, Matthew Edward Loufek, and Julia Frances Loufek now Julia Frances Kimport, beneficiaries of the donor, Charles W. Loufek, doing business as Hygeno Litter Company, Minneapolis, Minn. Filed July 8, 1947.

HYGENO

FOR POULTRY LITTER.
Claims use since Feb. 1, 1935.

Ser. No. 534,938. THE SUNDAY CREEK COAL COMPANY, Columbus, Ohio. Filed Sept. 18, 1947.

The words "The Pick of the Mines" and "Coal," are disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 316,955.
FOR COAL.
Claims use since Feb. 12, 1934.

Ser. No. 546,697. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Jan. 10, 1948.

NELEX

FOR POLYMERIZED ROSIN.
Claims use since May 15, 1947.

Ser. No. 546,831. EBERLE TANNING COMPANY, Westfield, Pa. Filed Jan. 13, 1948.

BUFFLEX

Applicant claims ownership of registration No. 287,937.
FOR SOLE LEATHER.
Claims use since Feb. 2, 1931.

Ser. No. 546,832. EBERLE TANNING COMPANY, Westfield, Pa. Filed Jan. 13, 1948.

FOREST OAK

No claim is made to the word "Oak" apart from the mark. Applicant claims ownership of registration No. 327,626.
FOR SOLE LEATHER.
Claims use since Apr. 1, 1935.

Ser. No. 546,833. EBERLE TANNING COMPANY, Westfield, Pa. Filed Jan. 13, 1948.

GRAINFLEX

Applicant claims ownership of registration No. 287,938.
FOR SOLE LEATHER.
Claims use since Mar. 26, 1931.

Ser. No. 546,835. EBERLE TANNING COMPANY, Westfield, Pa. Filed Jan. 13, 1948.

STREAMLINED

Applicant claims ownership of registration No. 350,571.
FOR SOLE LEATHER.
Claims use since Mar. 12, 1937.

Ser. No. 546,837. EBERLE TANNING COMPANY, Westfield, Pa. Filed Jan. 13, 1948.

The word "Oak" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 261,816.
FOR SOLE LEATHER.
Claims use since Jan. 11, 1929.

Ser. No. 546,844. FLORIDIN COMPANY, Warren, Pa. Filed Jan. 13, 1948.

FLORAID

FOR FULLER'S EARTH.
Claims use since Dec. 23, 1941.

Ser. No. 547,131. LEAS & MCVITTY, INC., Philadelphia, Pa. Filed Jan. 15, 1948.

L&M.

Applicant claims ownership of registrations Nos. 48,823 and 39,760.
FOR TANNED LEATHER IN THE PIECE.
Claims use since Mar. 1, 1869.

Ser. No. 547,234. THE CLEVELAND-CLIFFS IRON COMPANY, Cleveland, Ohio. Filed Jan. 16, 1948.

HIOKOL

FOR COAL.
Claims use since Oct. 31, 1947.

Ser. No. 547,689. AYRSHIRE COLLIERIES CORPORATION, Wilmington, Del., and Indianapolis, Ind. Filed Jan. 22, 1948.

SUN SPOT

FOR COAL.
Claims use since July 1, 1946.

Ser. No. 547,849. GOTTESMAN & COMPANY, INCORPORATED, New York, N. Y. Filed Jan. 23, 1948.

VITACELL

FOR WOOD PULP.
Claims use since Nov. 1, 1947.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 535,760. SWANK, INC., Attleboro, Mass. Filed Sept. 25, 1947.

Custodian

FOR WALLETS OR BILLFOLDS.
Claims use since December 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 540,074. INTERNATIONAL RUSTPROOF CORPORATION, Cleveland, Ohio. Filed Nov. 4, 1947.

DALITE

FOR DETERGENT IN LIQUID FORM FOR USE IN CLEANING GLASS.
Claims use since Mar. 15, 1931.

Ser. No. 546,330. JOHN T. STANLEY COMPANY, INC., New York, N. Y. Filed Jan. 6, 1948.

MOBO

Applicant claims ownership of registrations Nos. 45,833, 187,737, and 210,609.
FOR POWDERED CAR WASHES, NON-ALKALINE AUTO WASHES, PREPOLISHING CLEANSERS, PARTS CLEANSERS FOR CLEANING FUEL PUMPS, PISTONS AND OTHER PARTS OF MOTORS, DEGREASING FLUIDS, GREASE REMOVERS, FABRIC CLEANERS, CONCENTRATED HAND SOAPS, AUTO SOAPS, PASTE HAND SOAPS, HAND CLEANERS, VEGETABLE OIL SOAPS, HARD AUTO SOAPS, AND WINDOW AND WINDSHIELD CLEANERS.
Claims use since Apr. 10, 1905.

Ser. No. 547,656. LILLIE MAE POEHLMANN, doing business as Patrick Sales Co., San Francisco, Calif. Filed Jan. 21, 1948.

pat

FOR EYEGLASS CLEANER.
Claims use since Jan. 2, 1948.

Ser. No. 556,932. TRIANGLE CHEMICAL COMPANY, Macon, Ga. Filed May 12, 1948.

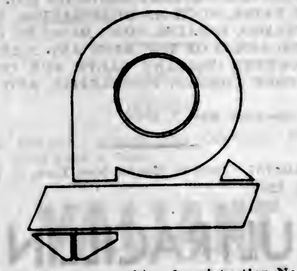
TAFON

FOR SOAPLESS CLEANSER.
Claims use since Nov. 14, 1947.

CLASS 5

ADHESIVES

Ser. No. 493,124. INDUSTRIAL TAPE CORPORATION, New Brunswick, N. J. Filed July 10, 1948; originally filed, act of 1905, Dec. 12, 1945.



Applicant claims ownership of registration No. 388,238.
FOR NORMALLY TACKY AND PRESSURE-SENSITIVE ADHESIVE TAPES SUCH AS, FOR EXAMPLE, PAPER AND CLOTH-BACKED PRESSURE-SENSITIVE ADHESIVE TAPES FOR GENERAL USE.
Claims use since Feb. 12, 1945.

Ser. No. 542,480. NATIONAL STARCH PRODUCTS INC., New York, N. Y. Filed Nov. 26, 1947. Under section 2f of the act of 1946.

NON WARP

Applicant claims ownership of registration No. 238,943.
FOR GLUE.
Claims use since Sept. 1, 1925.

Ser. No. 543,367. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Oct. 8, 1947.

The drawing is lined to indicate a blue stripe extending longitudinally of the tape. The representation of a roll of tape is disclaimed apart from the mark. Applicant claims ownership of registration No. 230,887.
FOR GUMMED TAPE.
Claims use since Sept. 22, 1926.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 504,921. MORTON MANUFACTURING CORPORATION, also doing business as Blair of Virginia, Lynchburg, Va. Filed July 27, 1948; originally filed, act of 1905, July 1, 1946. Under section 2f of the act of 1946.

BLAIR
Of Virginia

FOR COSMETICS—NAMELY, TALCUM POWDER, BABY POWDER, SACHET POWDER, DEODORANT CREAM, LEMON ODOR CREAM FOR CLEANSING THE SKIN, HAND CREAM, COLD CREAM, VANISHING CREAM, WITCH HAZEL CREAM FOR THE SKIN, CLEANSING CREAM, NIGHT CREAM, MENTHOLATED CREAM, HAIR WAVING SOLUTION, LIQUID SHAMPOO, HAIR TONIC, AFTER-SHAVING SOLUTION, LIQUID MAKE-UP, ALL-PURPOSE LOTION, HAND LOTION, PERFUME, AND FOOD COLORINGS.
Claims use since July 1, 1948.

Ser. No. 514,053. IRWIN MANN, doing business as Mann Chemical Company, Detroit, Mich. Filed Apr. 8, 1946; originally filed, act of 1920, Dec. 11, 1946.

Dermalux
(D. M. L.)

FOR OINTMENT USED IN THE TREATMENT OF ECZEMA AND SIMILAR SKIN DISEASES.
Claims use since May 5, 1933.

Ser. No. 522,146. LANCOME S. A., Paris, France. Filed Sept. 18, 1947; originally filed, act of 1905, May 9, 1947.

GRAINFIN

Applicant claims ownership of French registration No. 370,767, dated Sept. 25, 1946.
FOR ALL KINDS OF BEAUTY CREAMS AND OILS FOR THE SKIN, INCLUDING NOURISHING AND SOOTHING CREAMS, OILS, AND LOTIONS FOR THE SKIN.
Claims use since Sept. 25, 1946.

Ser. No. 529,328. WINKENWEDER & LADD, INC., Chicago, Ill. Filed July 28, 1947.

START

FOR WATER SOLVENT, DEHYDRATING AGENT, RUST INHIBITOR, CORROSION INHIBITOR, AND ANTIFREEZE AGENT.
Claims use since July 10, 1947.

FOR WOOD PULP.
Claims use since Nov. 1, 1947.

Claims use since Jan. 2, 1948.

Ser. No. 534,306. DAVID ANTHONY MOLINARI, San Francisco, Calif. Filed Sept. 12, 1947.

GYPSY MAIDEN

FOR PERFUME, TOILET WATER, COLOGNE, COLD CREAM, AND LIPSTICK.
Claims use since May 1941.

Ser. No. 536,208. WYETH INCORPORATED, Philadelphia, Pa. Filed Nov. 21, 1947.

TUBEX

Applicant claims ownership of registration No. 406,796.
FOR ALLERGENS, ANTIBIOTICS, VITAMIN B-COMPLEX, AND DIGITOXIN.
Claims use since Oct. 9, 1943.

Ser. No. 536,276. NATURAL COSMETICS LABORATORIES, INC., Cleveland, Ohio. Filed Sept. 30, 1947.

Naturally

FOR COSMETIC PRODUCT—NAMELY, MAKE-UP FUNDATION.
Claims use since June 1, 1947.

Ser. No. 536,606. HOUBIGANT, INC., New York, N. Y. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

ESSENCE RARE

Applicant claims ownership of registration No. 263,196.
FOR PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, PERFUMED SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER, AND ROUGE COMPACTS SOLD FILLED IN TRADE.
Claims use since Sept. 12, 1928.

Ser. No. 537,640. WHITEHALL PHARMACAL COMPANY, New York, N. Y., assignor to Affiliated Products, Inc., New York, N. Y., a corporation of Illinois, now by change of name Whitehall Pharmacal Company, a corporation of Illinois. Filed Oct. 11, 1947. Under section 2f of the act of 1946.

The drawing is lined to indicate the color red. The word "Rub" is disclaimed apart from the mark. Applicant claims ownership of registration No. 140,180.
FOR COUNTER-IRRITANT SALVE OR RUB FOR RELIEF OF PAINS, SUCH AS RHEUMATISM, NEURALGIA, LUMBAGO, SPRAINS, SORE MUSCLES, CONGESTION, AND ACHES OF THE BACK AND JOINTS, AND AS A COUNTER-IRRITANT SALVE FOR COLDS IN CHEST, SORE THROAT, TONSILLITIS, AND PLEURISY.
Claims use since Nov. 1, 1919.

Ser. No. 540,757. JEAN U. KOREE, New York, N. Y. Filed Dec. 10, 1947.

ULTRACILLIN

FOR MEDICINAL PREPARATION CONTAINING PENICILLIN.
Claims use since Nov. 7, 1947.

Ser. No. 544,776. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Dec. 18, 1947.

FOR PHOTOGRAPHIC CHEMICALS COMPRISING FINE GRAIN DEVELOPER, PRINT DEVELOPER, ACID HYPO, AND ACID SHORT STOP.
Claims use since April 1947.

Ser. No. 548,704. ALROSE CHEMICAL CO., INC., Cranston, R. I. Filed Feb. 4, 1948.

ALRO
SEQUESTRENE

Applicant claims ownership of registrations Nos. 378,512, 378,513, and 378,514.
FOR CHEMICAL COMPOSITIONS USED FOR CONVERTING POLYVALENT IONS TO A WATER-SOLUBLE BUT DEIONIZED CONDITION.
Claims use since Jan. 16, 1948.

Ser. No. 559,736. H. P. ROSSIGER & CO., INC., New York, N. Y. Filed June 19, 1948.

FOR COAL TAR DYESTUFFS.
Claims use since May 27, 1947.

CLASS 7
CORDAGE

Ser. No. 558,468. CHASE BAG COMPANY, New York, N. Y. Filed June 4, 1948.

VALIANT

Applicant claims ownership of registration No. 239,395.
FOR TWINE.
Claims use since Jan. 15, 1912.

Ser. No. 559,190. UNION WIRE ROPE CORPORATION, Kansas City, Mo. Filed June 14, 1948.

Applicant claims ownership of registrations Nos. 430,400 and 430,401.
FOR SLINGS FORMED OF WIRE ROPE OR CABLE WITH LOOPS OR EYES AT OPPOSITE ENDS THEREOF.
Claims use since Feb. 13, 1947.

CLASS 9
EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 549,398. HERCULES POWDER COMPANY, Wilmington, Del. Filed Nov. 28, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registration No. 347,429.
FOR BLASTING CAPS.
Claims use since Apr. 23, 1936.

Ser. No. 552,322. HERCULES POWDER COMPANY, Wilmington, Del. Filed Dec. 5, 1947. Under section 2f of the act of 1946.

INFALLIBLE

Applicant claims ownership of registration No. 139,939.
FOR SMOKELESS POWDER.
Claims use since 1901.

CLASS 10
FERTILIZERS

Ser. No. 555,976. WESTERN ELECTROCHEMICAL COMPANY, Los Angeles, Calif. Filed Apr. 30, 1948.

EMGEO

FOR AGRICULTURAL MINERAL.
Claims use since Mar. 19, 1948.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 533,299. FULTON SPECIALTY CO., Elizabeth, N. J. Filed Sept. 4, 1947. Under section 2f of the act of 1946.

All-Weather

FOR STAMP PADS AND RUBBER STAMP INK.
Claims use since September 1933.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 528,479. JONES & LAUGHLIN STEEL CORPORATION, Pittsburgh, Pa. Filed July 12, 1947.

JUNIOR

FOR LIGHTWEIGHT METALLIC STRUCTURAL SHAPES AND JOIST HANGERS FOR GENERAL USE IN BUILDING CONSTRUCTION.
Claims use since June 1, 1926.

Ser. No. 530,748. ELLISON LOUVRE COMPANY, INC., Marietta, Ohio. Filed Aug. 7, 1947. Under section 2f of the act of 1946.

ELLISON LOUVRE

The term "Louvre" and the representation of the goods are disclaimed. Applicant claims ownership of registration No. 374,303.

FOR METAL VENTILATORS TO BE INSTALLED IN DOORS, WINDOWS, WALLS, TRANSOMS, CEILINGS AND PARTITIONS FOR THE PURPOSE OF VENTILATION BOTH THRU NATURAL AIR MOVEMENT AND IN CONJUNCTION WITH AIR CONDITIONING SYSTEMS.

Claims use since Nov. 5, 1938.

Ser. No. 535,908. UNITED CO-OPERATIVES, INC., Alliance, Ohio. Filed Sept. 26, 1947.

UNICO PREMIUM

No claim is made to the word "Premium" apart from the mark.

FOR ASPHALTIC ROLL ROOFING, THICK BUTT STRIP SHINGLES, AND HEXAGONAL SHINGLES.

Claims use since May 1, 1947.

Ser. No. 537,456. WALTER C. JANISCH, doing business as Janisch Roofing Company, Janesville, Wis. Filed Oct. 10, 1947. Under section 2f of the act of 1946.

Wool-tex

Applicant claims ownership of registration No. 372,553.

FOR SPECIALLY PREPARED LOOSE FILL THERMAL INSULATION COMPOSED OF WOOD AND PAPER.

Claims use since Dec. 15, 1938.

Ser. No. 541,651. LATTA O. DAVIS, Noblesville, Ind. Filed Nov. 19, 1947. CERTIFICATION MARK.

SUMMER AND WINTER

The words "Summer and Winter" are disclaimed apart from the mark.

FOR COMBINATION SCREEN AND VENTILATOR STORM SASH TO BE MOUNTED IN A WINDOW FRAME.

Claims use since Jan. 15, 1940.

Ser. No. 541,858. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 20, 1947.

GROG-RE-GATE

No claim is made to the word "Grog" apart from the mark.

FOR CRUSHED FIRE BRICK AGGREGATE.

Claims use since Oct. 20, 1931.

Ser. No. 542,036. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Nov. 22, 1947.

MYSTERY MIX

No claim is made to the word "Mix" apart from the mark.

FOR REFRACTORY COATING MATERIAL.

Claims use since Aug. 29, 1932.

Ser. No. 544,472. SOUTHERN WOOD PRESERVING COMPANY, Eastpoint, Ga. Filed Dec. 16, 1947.

LETHNOL

FOR CHEMICALLY TREATED WOOD POLES AND POSTS.

Claims use since July 1, 1934.

Ser. No. 544,587. MEXICO REFRACTORIES COMPANY, Mexico, Mo. Filed Dec. 17, 1947.

M-26

FOR INSULATING FIRE BRICK.

Claims use since Mar. 26, 1938.

Ser. No. 545,580. CARR, ADAMS & COLLIER COMPANY, Dubuque, Iowa. Filed Dec. 27, 1947. Under section 2f of the act of 1946.

CARR-dor

FOR GARAGE DOORS.

Claims use since February 1938.

Ser. No. 547,776. THE RUBEROID CO., New York, N. Y., and Bound Brook, N. J. Filed Jan. 22, 1948. Under section 2f of the act of 1946.

TITE-ON

Applicant claims ownership of registration No. 330,178.

FOR ASPHALT COMPOSITION ROOFING SHINGLES.

Claims use since June 7, 1933.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 534,298. MALLEABLE IRON FITTINGS COMPANY, Branford, Conn. Filed Sept. 12, 1947.

M F

Applicant claims ownership of registrations Nos. 51,529 and 119,903.

FOR PIPE FITTINGS—NAMELY, ELBOWS, T'S, UNIONS AND NIPPLES; HIGHWAY GUARD RAIL FITTINGS—NAMELY, END FITTINGS AND ANCHORS; AND POLE HARDWARE SPECIALTIES—NAMELY, SECONDARY RACKS, POLE MOUNTS, GUY WIRE CLAMPS, GAIN PLATES, PLATE ANCHORS, ANCHOR RODS, CABLE MESSENGER CLAMPS, CROSS-ARM GAINS, LINE CLAMPS, AND CABLE SUPPORTS.

Claims use since 1905.

CLASS 15

OILS AND GREASES

Ser. No. 532,265. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa. Filed Aug. 25, 1947.

DURAFIN

FOR PETROLEUM WAXES.

Claims use since June 16, 1947.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 512,130. NU-ENAMEL CORPORATION, Chicago, Ill. Filed Oct. 20, 1947; originally filed, act of 1905, Nov. 6, 1946. Under section 2f of the act of 1946.

NEU-EMAIL

FOR LIQUID PAINT ENAMEL.

Claims use since November 1927.

Ser. No. 514,314. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Aug. 5, 1948; originally filed, act of 1905, Dec. 14, 1946.

KOTOL

FOR SOLVENT SOLUTIONS OF SYNTHETIC RESINS FOR PROTECTIVE COATINGS ON MACHINERY AND TANK LININGS.

Claims use since Dec. 13, 1944.

Ser. No. 519,035. SAPOLIN CO. INC., New York, N. Y., now by change of name Sapolin Paints Inc. Filed Dec. 30, 1947; originally filed, act of 1905, Mar. 14, 1947.

MASON-DRI

Applicant disclaims the word "Dri" apart from the mark as shown.

FOR READY MIXED PAINT FOR EXTERIOR USE AND INTERIOR USE ON MASONRY WALLS TO WATERPROOF OR DAMPPROOF THE SAME.

Claims use since November 1946.

Ser. No. 526,703. NATIONAL CHEMICAL & MANUFACTURING COMPANY, Chicago, Ill. Filed July 5, 1947.

NATEX

FOR PLASTIC PAINTS.

Claims use since 1936.

Ser. No. 527,677. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn. Filed July 5, 1947.

MINNOLEUM

FOR VARNISH READY FOR USE.

Claims use since 1916.

Ser. No. 532,142. WALTER G. LEGGE COMPANY, INC., New York, N. Y. Filed Aug. 22, 1947.

SPIRCO

FOR LIQUID NON-SLIP POLISH FOR WOODEN AND OTHER FLOORING.

Claims use since Aug. 15, 1946.

Ser. No. 542,505. AUTO TRUCK EQUIPMENT COMPANY,

Ser. No. 538,077. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill. Filed Oct. 17, 1947.

PAWNEE

FOR READY MIXED BARN PAINTS SOLD IN LIQUID FORM.
Claims use since Oct. 24, 1922.

Ser. No. 539,650. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill. Filed Oct. 31, 1947.

GRANDEUR

FOR PAINT ENAMEL IN LIQUID AND PASTE FORM.
Claims use since 1940.

Ser. No. 539,675. DRAKE PAINT COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

FOR LIQUID RESINOUS PAINT.
Claims use since Aug. 27, 1941.

Ser. No. 539,771. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

TRINITEX

FOR UTILITY PAINT IN LIQUID FORM.
Claims use since 1935.

Ser. No. 539,773. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

ELITE

FOR LIQUID PAINT ENAMEL.
Claims use since 1940.

Ser. No. 539,777. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

SHLACTOL

FOR LIQUID COATING COMPOSITION IN THE NATURE OF A SHELLAC.
Claims use since Oct. 28, 1942.

Ser. No. 539,785. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 546,512. OLIVER REEDER & SON, INCORPORATED, Baltimore, Md. Filed Jan. 8, 1948. Under section 2f of the act of 1946.

NETBEST

Applicant claims ownership of registration No. 240,527.
FOR ANTI-FOULING COMPOSITION IN THE NATURE OF A PAINT FOR FISHERMEN'S NETS AND OTHER SIMILAR NETS.
Claims use since Jan. 30, 1926.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 507,647. JOSEPH B. MCGINTY, doing business as McGinty Cigar Company, Minneapolis, Minn. Filed July 5, 1947; originally filed, act of 1905, Aug. 19, 1946.

PAUL BUNYAN

The mark is the name of a legendary character.
FOR CIGARS.
Claims use since July 23, 1946.

CLASS 19

VEHICLES

Ser. No. 477,724. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Aug. 13, 1947; originally filed, act of 1905, Dec. 18, 1944.

The words "The," "Accepted," "Standard," and "Co." are disclaimed apart from the mark as shown. Applicant claims ownership of registrations Nos. 124,164, 146,052, 150,696, 212,826, 216,161, 219,199, and 227,123.
FOR VEHICLE AXLES AND PARTS THEREOF—NAMELY, AXLE HOUSINGS, SOLID AXLES, STEERING KNUCKLES, WHEELS, AND HUBS.
Claims use since Oct. 1, 1944.

Ser. No. 539,430. PALACE CORPORATION, Flint, Mich. Filed Oct. 29, 1947.

MajesticLiner

FOR HOUSE TRAILERS FOR AUTOMOBILES.
Claims use since Oct. 20, 1947.

Ser. No. 541,087. CARRY-CAB CORPORATION, New York, N. Y. Filed Nov. 14, 1947.

No claim is made to the representation of the goods apart from the mark.
FOR BABY CARRIAGES.
Claims use since March 1946.

Ser. No. 542,505. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa. Filed Nov. 28, 1947.

ATECO

Applicant claims ownership of registrations Nos. 195,833 and 276,843.
FOR EQUIPMENT FOR AUTOMOTIVE TRUCKS AND BUSSES—NAMELY, BODIES, CABS, STAKES, COVERS, AND SIDE BOARDS, COMPONENT PARTS THEREOF, AND AXLES.
Claims use since May 1, 1929.

Ser. No. 542,508. AUTO TRUCK EQUIPMENT COMPANY, Pittsburgh, Pa. Filed Nov. 28, 1947.

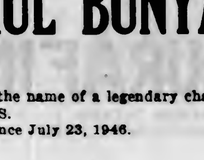
No claim is made to the words "Pittsburgh" and "Penna." or "Auto Truck Equipment Co." and no claim is made to the representation of a truck apart from the mark as shown. Applicant claims ownership of registrations oNs. 195,833 and 276,843.
FOR EQUIPMENT FOR AUTOMOTIVE TRUCKS AND BUSSES—NAMELY, BODIES, CABS, STAKES, COVERS, AND SIDE BOARDS, COMPONENT PARTS THEREOF, AND AXLES.
Claims use since Sept. 1, 1923.

Ser. No. 546,715. LYON, INCORPORATED, Detroit, Mich. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Lyon

FOR ORNAMENTAL TRIM FOR AUTOMOBILE WHEELS—NAMELY, WHEEL COVERS, TRIM RINGS, WHEEL DISKS, HUB CAPS, DONUT RINGS, AND SIDEWALL WHEEL RINGS.
Claims use since Jan. 1, 1934.

Ser. No. 539,787. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."



FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,788. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,789. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,790. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,791. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,792. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,793. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,794. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,795. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,796. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

Ser. No. 539,797. STETSON PAINT & VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947. Under section 2f of the act of 1946 as to "Stetson."

FOR PAINT IN LIQUID AND PASTE FORM AND PAINT ENAMEL.
Claims use since 1932.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 545,389. ELECTRIC EYE EQUIPMENT CORPORATION, Danville, Ill. Filed Dec. 24, 1947.

MONKEY

Applicant disclaims the word "Key" apart from the mark as shown.
FOR ELECTRONICALLY TIMED TELEGRAPH KEY WITH AUTOMATIC KEYING RELAY AND MONITOR.
Claims use since Aug. 12, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 494,973. INTERNATIONAL HARVESTER COMPANY, Chicago, Ill. Filed July 12, 1947; originally filed, act of 1905, Jan. 18, 1946. Under section 2f of the act of 1946.

McCORMICK-DEERING

FOR COTTON PICKERS, COTTON HARVESTERS, AND PARTS THEREOF.
Claims use since Sept. 1, 1941.

Ser. No. 542,677. STA-TITE SNATH COMPANY, Shelbyville, Ind. Filed Nov. 28, 1947.

BACK-SAVER

FOR SCYTHE SNATHS.
Claims use since Oct. 22, 1931.

Ser. No. 546,448. O. B. HIRSCH & Co. INC., New York, N. Y. Filed Mar. 31, 1948.

FOR MACHETES.
Claims use since Jan. 10, 1948.

CLASS 25

LOCKS AND SAFES

Ser. No. 511,632. MASTER LOCK COMPANY, Milwaukee, Wis. Filed Dec. 26, 1947; originally filed, act of 1905, Oct. 28, 1946.

STRONG-BOY

The word "Strong" is disclaimed, apart from the mark.
FOR LOCKS.
Claims use since April 1928.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 528,690. CALORIC STOVE CORPORATION, Philadelphia, Pa. Filed July 16, 1947. Under section 2f of the act of 1946.

RITE HEAT

Applicant claims ownership of registration No. 421,920.
FOR TEMPERATURE REGULATING APPARATUS ACTUATED BY A THERMOSTAT WHICH IS A PART OF IT, FOR CONTROLLING THE ADMISSION OF COMBUSTION AIR TO THE COMBUSTION CHAMBER OF A HEATING APPARATUS.
Claims use since February 1942.

Ser. No. 530,165. CHARLES BRUNING COMPANY, INC., New York, N. Y. Filed Aug. 1, 1947.

DIAFAX

FOR SENSITIZED PHOTOGRAPHIC PAPER.
Claims use since Apr. 29, 1947.

Ser. No. 531,648. CINCINNATI CLOCK & INSTRUMENT CO., Cincinnati, Ohio. Filed Aug. 18, 1947.

Cinklox

FOR CAMERAS AND FILM SPOOLS.
Claims use since Mar. 1, 1946.

Ser. No. 532,093. ARGOSY PICTURES CORPORATION, Culver City, Calif. Filed Aug. 22, 1947.

ARGOSY PICTURES

No claim is made to the word "Pictures" except as said word is used in conjunction with the word "Argosy" and the accompanying design.
FOR MOTION PICTURE PHOTOPLAYS.
Claims use since June 5, 1947.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 520,044. LANG JEWELRY COMPANY, Providence, R. I. Filed Mar. 16, 1948; originally filed, act of 1905, Apr. 2, 1947.

FOR STERLING SILVER COSTUME JEWELRY.
Claims use since Apr. 1, 1946.

Ser. No. 529,924. PAKULA AND COMPANY, Chicago, Ill. Filed July 29, 1947.

GOLDEN KEY

Applicant disclaims the use of the term "Golden" apart from the mark.
FOR JEWELRY FOR PERSONAL WEAR—NAMELY, EXPANSION, CHARM, AND IDENTIFICATION BRACELETS, ANKLETS, CHARMS, ROSARIES, PINS, EARRINGS, LOCKETS, CHAINS, PEARLS, FINGER RINGS AND COMPACTS, MADE WHOLLY OR IN PART OF PRECIOUS METALS.
Claims use since January 1947.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 540,099. THE OHIO GALVANIZING & MANUFACTURING COMPANY, Niles, Ohio. Filed Nov. 4, 1947. Under section 2f of the act of 1946.

OHIO

FOR ICE CANS FOR USE IN THE MANUFACTURE OF ICE.
Claims use since 1904.

Ser. No. 541,311. THE LINDSAY COMPANY, St. Paul, Minn. Filed Nov. 15, 1947.

Chron-O-trol

FOR WATER SOFTENING APPARATUS COMPRISING A TANK CONTAINING A BODY OF BASE EXCHANGE MATERIAL, PIPE CONNECTIONS FOR SAID TANK, VALVES AND VALVE CONTROL MECHANISM THEREFOR.
Claims use since Sept. 15, 1947.

Ser. No. 542,306. FRICK COMPANY, INC., Waynesboro, Pa. Filed Nov. 25, 1947.

ECLIPSE

FOR ELECTRIC, COMMERCIAL, REFRIGERATING EQUIPMENT USED IN PRODUCING REFRIGERATION FOR ANY DESIRED PURPOSE.
Claims use since 1876.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 491,141. T-TOP COMPANY, Salem, Mass. Filed Sept. 30, 1947; originally filed, act of 1905, Nov. 5, 1945.

T-TOP

The word "Top" is disclaimed.
FOR REMOVABLE TOPS FOR CARD TABLES AND THE LIKE MADE OF COMPOSITION BOARD, PLYWOOD, OR ANY SIMILAR TYPE OF PLASTIC OR LAMINATED BOARD.
Claims use since March 1935.

Ser. No. 534,268. ROLAND J. GAUPEL, doing business as Roland J. Gaupel Company, Los Angeles, Calif. Filed Sept. 12, 1947.

PAKATABLE

FOR FOLDING TABLES IN THE NATURE OF FURNITURE.
Claims use since April 1939.

Ser. No. 542,677. STA-TITE SNATH COMPANY, Shelbyville, Ind. Filed Nov. 28, 1947.

BACK-SAVER

FOR SCYTHE SNATHS.
Claims use since Oct. 22, 1931.

Ser. No. 546,448. O. B. HIRSCH & Co. INC., New York, N. Y. Filed Mar. 31, 1948.

FOR MACHETES.
Claims use since Jan. 10, 1948.

Ser. No. 531,648. CINCINNATI CLOCK & INSTRUMENT CO., Cincinnati, Ohio. Filed Aug. 18, 1947.

Cinklox

FOR CAMERAS AND FILM SPOOLS.
Claims use since Mar. 1, 1946.

Ser. No. 534,415. THE COLUMBUS SHOW CASE CO., Columbus, Ohio. Filed Sept. 13, 1947. Under section 2f of the act of 1946.

Columbus

Applicant claims ownership of registration No. 247,650.
FOR STORE FURNITURE—NAMELY, SHOW CASES, WALL CASES, WOOD-FRAME AND FRAMELESS GLASS CASES, COUNTERS, COUNTER SHOW CASES, TABLES, MAGAZINE RACKS, BAKERY CASES, AND SHOW-CASE FIXTURES—NAMELY, MERCHANDISE-SUPPORTING RACK BARS AND RODS, REMOVABLE SHELVES, AND SHELF-SUPPORTING BRACKETS.
Claims use since 1895.

Ser. No. 534,883. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Sept. 18, 1947. Under section 2f of the act of 1946.

by Drexel

Applicant claims ownership of registration No. 357,657.
FOR BEDROOM, DINING ROOM AND LIVING ROOM FURNITURE — NAMELY, DRESSERS, VANITIES, CHESTS OF DRAWERS, BEDS, NIGHT TABLES, CHAIRS, BENCHES, MIRRORS, EXTENSION AND DROPLEAF TABLES, CHAIRS, BREAKFRONT AND CORNER CHINAS, CONSOLE TABLES, BUFFETS, SERVERS, DESKS, BOOKCASES, MAGAZINE TABLES, AND OCCASIONAL PIECES.
Claims use since June 1936.

Ser. No. 545,349. THE CONTINENTAL FURNITURE COMPANY, High Point, N. C. Filed Dec. 24, 1947.

CONTINENTAL C.F.Co. SUPERIOR QUALITY

The words "Superior," "Quality," and "Co." are disclaimed apart from the mark. Applicant claims ownership of registration No. 180,098.
FOR BEDROOM FURNITURE CONSISTING OF BEDS, DRESSERS, CHESTS, HIGH BOYS, VANITY DRESSERS, KNEEHOLE DESKS, NIGHT STANDS, COMMODE CHESTS, MIRRORS, BEDROOM CHAIRS, AND BENCHES FOR USE WITH VANITY DRESSERS.
Claims use since July 1, 1908.

Ser. No. 548,601. NEW YORK FEATHER CO., Brooklyn, N. Y. Filed Feb. 2, 1948.

Serenade

FOR PILLOWS.
Claims use since Dec. 24, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 546,413. NATIONAL CYLINDER GAS COMPANY, Chicago, Ill. Filed Jan. 7, 1948.

BANTAM

FOR WELDING AND CUTTING APPARATUS, AND COMPONENTS THEREOF—NAMELY, TORCHES, CUTTING ATTACHMENTS, WELDING AND CUTTING TIPS AND MIXERS.
Claims use since July 1947.

Ser. No. 549,401. JOHN WOOD MANUFACTURING COMPANY, INC., Conshohocken, Philadelphia, Pa., and Chicago, Ill. Filed Nov. 29, 1947. Under section 2f of the act of 1946.

Electric Weld

Applicant claims ownership of registration No. 134,330.
FOR RANGE BOILERS, GAS WATER HEATERS, EXPANSION TANKS, AND COMBINATION BOILERS.
Claims use since 1901.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 515,944. DOUBLE SEAL RING COMPANY, Fort Worth, Tex. Filed July 16, 1948; originally filed, act of 1905, Jan. 18, 1947. Under section 2f of the act of 1946.

DOUBLE SEAL

Applicant claims ownership of registration No. 273,366.
FOR METALLIC AND NON-METALLIC PISTON RINGS AND ROD PACKING.
Claims use since June 10, 1932.

Ser. No. 554,601. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Apr. 14, 1948.

HI-10-SL

FOR TRANSMISSION BELTING MADE OF RUBBER AND COTTON.
Claims use since 1933.

Ser. No. 554,606. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Apr. 14, 1948.

WHEATLAND

FOR TRANSMISSION BELTING MADE OF RUBBER AND COTTON.
Claims use since 1920.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 529,528. C. G. CONN, LTD., Elkhart, Ind. Filed July 18, 1947. Under section 2f of the act of 1946.

Ludwig

Applicant claims ownership of registration No. 156,597.
FOR MUSICAL, VARIOUS SOUND-EMITTING AND PERCUSSION INSTRUMENTS, PARTS THEREOF AND ATTACHMENTS THEREFOR—NAMELY, DRUMS, DRUMMERS' TRAPS, TYMPANIES, XYLOPHONES, BELLS, TOM-TOMS, CYMBALS, PEDALS, WHISTLES, TAMBOURINES, RATTLES, CASTANETS, TRIANGLES, SHOT CUSHIONS, CLOG MALLETS, TYMPANI HEADS, BANJO HEADS, TAMBOURINE HEADS, DRUMHEADS, TONE BLOCKS, WOOD BLOCKS, SPURS, CYMBAL HOLDERS, TRAPS, DRUM STANDS, SAND BLOCKS, SLINGS (DRUM), DRUM RODS, PRACTICE PADS, STICKS (DRUM AND TYMPANI), HAMMERS (BELL AND XYLOPHONE), STANDS (BELL), FIFES, BUGLES, CHIMES, GLOCKENSPIELS, MARIMBAS, MUSETTES, BATONS, TUNING BARS, AND SOUND EFFECT EQUIPMENT—NAMELY, HORSE TROT IMITATION, ROOTERS, REED IMITATIONS, RAILROAD IMITATIONS, TYPEWRITER OR TELEGRAPH IMITATIONS.
Claims use since July 1, 1909.

CLASS 37

PAPER AND STATIONERY

Ser. No. 527,650. VALLEY PAPER COMPANY, Holyoke, Mass. Filed July 5, 1947. Under section 2f of the act of 1946.

GLADSTONE

FOR WRITING, TYPEWRITER, AND PRINTING PAPER.
Claims use since 1896.

Ser. No. 528,711. EVERLAST PEN CORPORATION, New York, N. Y. Filed July 16, 1947. Under section 2f of the act of 1946.

Everlast

Applicant claims ownership of registration No. 312,040.
FOR FOUNTAIN PENS, BALL PENS, AND MECHANICAL PENCILS.
Claims use since Jan. 2, 1933, on fountain pens and mechanical pencils; and since June 6, 1946, on ball pens.

Ser. No. 533,738. THE GUMMED PRODUCTS COMPANY, Troy, Ohio. Filed Sept. 8, 1947. Under section 2f of the act of 1946.

METALTITE

Applicant claims ownership of registration No. 405,840.
FOR ADHESIVE GUMMED PAPER IN SHEETS.
Claims use since December 1940.

Ser. No. 543,011. MID-STATES GUMMED PAPER CO., Chicago, Ill. Filed Sept. 9, 1947.

CRYSTALLOID

Applicant claims ownership of registration No. 203,624.
FOR TRANSPARENT GELATINE PAPER.
Claims use since Jan. 1, 1924.

Ser. No. 544,665. DITTO, INCORPORATED, Chicago, Ill. Filed Dec. 11, 1947.

PAYSET

FOR PARTIALLY PRINTED BUSINESS FORMS.
Claims use since Oct. 4, 1947.

Ser. No. 545,532. PILOT DISTRIBUTING COMPANY, Battle Creek, Mich. Filed Dec. 26, 1947.

PROTEX

FOR FILING SPINDLES PARTICULARLY ADAPTED FOR OFFICE USE IN THE FILING OF BILLS AND THE LIKE.
Claims use since Dec. 24, 1947.

Ser. No. 547,521. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

ANADEL

FOR WATER SOLUBLE COLORED INDELIBLE PENCILS.
Claims use since April 1931.

Ser. No. 547,522. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

ARTISAN

FOR LEAD PENCILS.
Claims use since 1890.

Ser. No. 547,525. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

FLAMINGO

FOR LEAD PENCILS.
Claims use since May 1937.

Ser. No. 547,526. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

"INLINE"

FOR LEAD PENCILS.
Claims use since 1934.

Ser. No. 547,527. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

MODERN WRITING

FOR LEAD PENCILS AND PENHOLDERS.
Claims use since February 1928.

Ser. No. 547,528. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948. Under section 2f of the act of 1946.

ORDER BOOK

FOR LEAD PENCILS.
Claims use since 1905.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 521,223. TIDE PUBLISHING COMPANY, INC., New York, N. Y. Filed Nov. 19, 1947; originally filed, act of 1905, Apr. 23, 1947.

TIDE

Applicant claims ownership of registration No. 286,908.
FOR PERIODICAL PUBLICATION.
Claims use since January 1931.

Ser. No. 523,791. NATIONAL SAFETY COUNCIL, Chicago, Ill. Filed Oct. 31, 1947; originally filed, act of 1905, June 7, 1947.

The drawing is lined for the color green. Applicant claims ownership of registration No. 150,493.
FOR VARIOUS EDUCATIONAL PUBLICATIONS ISSUED FROM TIME TO TIME ON THE SUBJECT OF ACCIDENT PREVENTION INCLUDING PERIODICALS, POSTERS, SAFETY SEALS, AND MISCELLANEOUS ARTICLES.
Claims use since Jan. 2, 1946.

Ser. No. 527,113. CURT TEICH & COMPANY, Chicago, Ill. Filed July 5, 1947. Under section 2f of the act of 1946.

ART-COLORTONE

Applicant claims ownership of registration No. 326,438.
FOR MULTI-COLORED POST CARDS OR PICTORIAL ILLUSTRATIONS.
Claims use since January 1931.

Ser. No. 533,554. ELCO TOOL AND SCREW CORPORATION, Rockford, Ill. Filed Sept. 5, 1947.

ELCO

Applicant claims ownership of registration No. 206,139.
FOR CATALOGS AND HOUSE ORGANS.
Claims use since Jan. 10, 1946.

Ser. No. 536,964. SOUTHERN DAIRIES, INC., Washington, D. C. Filed Oct. 6, 1947.

THE Southern DIARY

FOR PRINTED PERIODICAL PUBLICATION OF THE HOUSE ORGAN TYPE.
Claims use since Sept. 15, 1947.

Ser. No. 544,673. COE LABORATORIES, INC., Chicago, Ill. Filed Oct. 30, 1947. Under section 2f of the act of 1946.

No claim is made to the words "Laboratory," "Certified," "Service," and "Laboratory Services" apart from the mark as shown. Applicant claims ownership of registration No. 399,552.
FOR DENTAL PUBLICATIONS.
Claims use since July 1, 1938.

Ser. No. 549,572. OPINION RESEARCH CORPORATION, Princeton, N. J. Filed Feb. 12, 1948.

Space

FOR MAGAZINE.
Claims use since July 30, 1946.

Ser. No. 552,997. MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Mar. 25, 1948. Under section 2f of the act of 1946.

FOOD NEWS

FOR HOUSE ORGAN PUBLISHED BI-MONTHLY.
Claims use since May 9, 1935.

CLASS 39

CLOTHING

Ser. No. 489,073. THE KENTUCKY LOOMS, INC., Louisville, Ky. Filed Sept. 28, 1948; originally filed, act of 1905, Sept. 27, 1945.

Kyloom

"Ahead in Scarfs"

The term "Ahead in Scarfs" is disclaimed apart from the mark as shown.
FOR SCARF HEADPIECE.
Claims use since May 1943.

Ser. No. 518,207. DERBY SPORTSWEAR, INC., New York, N. Y. Filed Feb. 8, 1948; originally filed, act of 1905, Feb. 27, 1947.

Plumpkin

FOR MISSES' AND JUNIOR MISSES' SUITS, OUTER SKIRTS, JACKETS, BLOUSES, PINAFORES, OUTER SHORTS, SLACKS, OVERALLS, PEDAL PUSHERS, PLAYSUITS AND SUNSUITS.
Claims use since Dec. 20, 1946.

Ser. No. 521,804. C. J. FARLEY & COMPANY, Grand Rapids, Mich. Filed Dec. 18, 1947; originally filed, act of 1905, May 8, 1947.

Faranac

FOR INFANTS' AND TODDLERS' DRESSES, SLIPS, SWEATERS, SWEATER SETS, DIAPERS, OVERALLS,

PINAFORES, AND KNIT UNDERWEAR; LADIES', MISSES' AND GIRLS' DRESSES, SKIRTS, BLOUSES,

CLASS 40

Ser. No. 530,956. PONEMAH MILLS, Taftville, Conn. Filed

Ser. No. 555,151. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Apr. 21, 1948.

FOR LEAD PENCILS AND PENHOLDERS.
Claims use since February 1928.

ILLUSTRATIONS.
Claims use since January 1931.

PINAFORES, AND KNIT UNDERWEAR; LADIES', MISSES' AND GIRLS' DRESSES, SKIRTS, BLOUSES, SLACKS, SLACK SUITS, OUTER SHORTS, SPORT JACKETS, RAINCOATS, BATHING SUITS, PLAYSUITS, SWEATERS, SLIPS, PANTIES, BLOOMERS, DICKIES, NIGHTGOWNS, PAJAMAS, KNIT UNDERWEAR, APRONS, HOUSECOATS, LOUNGING ROBES, BED JACKETS, BRUNCH COATS, GIRDLES, HOSIERY, SEW-ON GARTERS, AND HAIR NETS; MEN'S AND BOYS' HOSE, KNIT UNDERWEAR, POLO SHIRTS, DRESS SHIRTS, NECKTIES, SLACKS, SWEATERS, LEATHER AND WOOL JACKETS, WORK CLOTHING—NAMELY, PANTS, SHIRTS AND OVERALLS; AND SHOES MADE OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS THEREOF; UNIFORMS FOR MAIDS AND NURSES.
Claims use since 1935.

Ser. No. 522,323. IMPORIGINALS, INC., New Rochelle, N. Y. Filed Jan. 19, 1948; originally filed, act of 1905, May 18, 1947.

Imporiginals

FOR BOYS' AND GIRLS' SUITS, JACKETS, SLACKS, OUTER SHORTS AND SKIRTS.
Claims use since Jan. 10, 1946.

Ser. No. 522,343. VICTOR GOLDFIELD, doing business as Westward Ho Sportswear, Los Angeles, Calif. Filed Dec. 26, 1947; originally filed, act of 1905, May 13, 1947.

the Autograph Crowd

FOR GIRLS' AND LADIES' DRESSES, SLACKS, OUTER SHORTS, CULOTTES, JACKETS, SLACK SUITS, PEDAL PUSHERS, HALTERS, JUMPERS, SKIRTS, BLOUSES, AND SUITS.
Claims use since Feb. 20, 1947.

Ser. No. 534,021. ALICE B. HOPKINS, Columbia, S. C. Filed Sept. 10, 1947.

GRO TALL

FOR GIRLS' DRESSES.
Claims use since Aug. 5, 1947.

Ser. No. 543,538. ANDRÉ SILVAIN, Roubaix (Nord), France. Filed Dec. 5, 1947.

"TROPIC"

Applicant claims ownership of French registration No. 5,588, dated Oct. 16, 1946.
FOR CORSETS, GIRDLES, BRASSIÈRES, AND BATHING SUITS.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 537,548. T. BUETTNER & Co., INC., Chicago, Ill. Filed Oct. 11, 1947

NUN'S

Applicant claims ownership of registration No. 39,899.
FOR NEEDLES FOR HAND SEWING, CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE, AND EMBROIDERY HOOPS
Claims use since 1905.

Ser. No. 541,913. BEN-HUR PRODUCTS, INC., New York, N. Y. Filed Nov. 21, 1947. Under section 2f of the act of 1946.

ROLLETTE

Applicant claims ownership of registration No. 380,902.
FOR HAIR ROLLERS.
Claims use since Dec. 15, 1931.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 522,048. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Aug. 20, 1947; originally filed, act of 1905, May 7, 1947.

KURON

Applicant claims ownership of registration No. 404,289.
FOR WIDE ELASTIC FABRIC.
Claims use since Apr. 3, 1947.

Ser. No. 530,754. MERRIMAC MILLS COMPANY, Methuen, Mass. Filed Aug. 7, 1947. Under section 2f of the act of 1946 as to "Gaunt."

Aristo-Tex

The drawing is lined for shading only. Applicant disclaims the phrase "House Of."
FOR TEXTILE FABRICS IN THE PIECE OF WOOL AND COTTON FOR THE MAKING OF SUITS.
Claims use since November 1928.

Ser. No. 530,956. PONEMAH MILLS, Taftville, Conn. Filed Aug. 9, 1947.

Ponemah

FOR RAYON PIECE GOODS.
Claims use since 1928.

Ser. No. 534,102. FORSTER WILLI & Co., St. Gall, Switzerland. Filed Sept. 11, 1947

FOR LACES, AND EMBROIDERIES SOLD AS PIECE GOODS AND BY THE YARD.
Claims use since Jan. 31, 1947.

Ser. No. 537,311. GUERIN MILLS INC., Woonsocket, R. I. Filed Oct. 9, 1947. Under section 2f of the act of 1946.

MONTROSE

Applicant claims ownership of registration No. 385,910.
FOR WORSTED PIECE GOODS.
Claims use since 1925.

Ser. No. 549,860. H. W. BAKER LINEN COMPANY, New York, N. Y. Filed Feb. 16, 1948. Under section 2f of the act of 1946.

SANDOW

Applicant claims ownership of registrations Nos. 407,858 and 396,355.
FOR BATH TOWELS.
Claims use since Jan. 1, 1933.

Ser. No. 553,412. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y. Filed Mar. 30, 1948. Under section 2f of the act of 1946.

TOWN and COUNTRY

Applicant claims ownership of registration No. 161,618.
FOR FABRICS IN THE PIECE MADE OF RAYON.
Claims use since May 11, 1922.

Ser. No. 555,151. BURLINGTON MILLS CORPORATION, Greensboro, N. C. Filed Apr. 21, 1948.

DISCOVERY

FOR PIECE GOODS OF COTTON, WOOL, AND SYNTHETIC FIBERS.
Claims use since June 1935.

Ser. No. 556,470. PEPPERELL MANUFACTURING COMPANY, Boston, Mass. Filed May 7, 1948.

DUDE DENIM

The word "Denim" is disclaimed apart from the mark.
FOR COTTON PIECE GOODS.
Claims use since Apr. 1, 1948.

Ser. No. 556,787. ESSENTIAL PRODUCTS, INC., Chicago, Ill. Filed May 11, 1948.

nu-fab

The word "Nu" is disclaimed apart from the mark.
FOR NON-WOVEN CLOTH IN THE ROLL FOR CLEANING, POLISHING, AND LIKE PURPOSES.
Claims use since Apr. 1, 1948.

Ser. No. 557,354. GOLDMAN FABRICS, INC., New York, N. Y. Filed May 19, 1948.

HOWDY DOODY

FOR PRINTED FABRICS OF COTTON IN THE PIECE.
Claims use since Apr. 9, 1948.

Ser. No. 561,823. GOODALL-SANFORD, INC., Sanford, Maine. Filed July 21, 1948.

GOLDRUSH

FOR FABRICS OF MOHAIR, COTTON, RAYON, AND ALUMINUM FOIL AND/OR COMBINATIONS THEREOF, SOLD IN BOLT.
Claims use since Apr. 27, 1948.

CLASS 43

THREAD AND YARN

Ser. No. 558,775. ALEXANDER BECKER, doing business as British Wool Company, London Knitting Company, and British Knitwear Company, Wembley, England. Filed June 9, 1948.

DISNEYLAND

Applicant claims ownership of English registration No. 634,436, dated Jan. 19, 1945.
FOR YARN AND THREAD.

Ser. No. 560,667. BERNHARD ULMANN CO. INC., Long Island City, N. Y. Filed July 2, 1948.

MAGIC-SKEIN

No claim is made to the word "Skein" apart from the mark. Applicant claims ownership of registrations Nos. 171,552, 331,593, and others.
FOR ART NEEDLEWORK YARNS.
Claims use since June 22, 1948.

Ser. No. 561,178. AMERICAN YARN AND PROCESSING COMPANY, Mount Holly, N. C. Filed July 12, 1948. Under section 2f of the act of 1946.

Fabricord

Applicant claims ownership of registration No. 392,061.
FOR COTTON YARN.
Claims use since July 7, 1940.

Ser. No. 561,698. TWO STEEPLES LIMITED, Wigston Magna, England. Filed July 19, 1948.

St. WOLSTAN

Applicant claims ownership of British registration No. 256,045.
FOR YARNS OF WOOL, WORSTED OR HAIR.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 500,041. THE AKRON TRUSS CO., INC., Cuyahoga Falls, Ohio. Filed Sept. 22, 1947; originally filed, act of 1905, Apr. 12, 1946. Under section 2f of the act of 1946.

AKRON TRUSSES

The word "Trusses" is disclaimed apart from the mark as shown. The stippling shown on the drawing is for shading purposes only. Applicant claims ownership of registration No. 148,565.
FOR SURGICAL TRUSSESS AND PADS THEREFOR.
Claims use since 1906.

Ser. No. 532,126. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

Faultless

Applicant claims ownership of registration No. 437,877.
FOR BABY HOT WATER BOTTLES, BREAST PUMPS, BULB SYRINGES, CATHETERS, COLON TUBES, HOT WATER BOTTLES, HOT WATER BOTTLE SYRINGE ATTACHMENTS, COMBINATION SYRINGES, SPONGE RUBBER HOT WATER BOTTLE COVERS, CRUTCH TIPS, DOUCHE SYRINGES, EAR SYRINGES, FACE BOTTLES, FOUNTAIN SYRINGES, ICE CAPS, INFANT SYRINGES, INVALID CUSHIONS, VAGINAL SYRINGES, LEVIN DUODENAL TUBES, MEDICINE DROPPERS, NURSING NIPPLES, NURSING BOTTLE COVERS, NURSER BOTTLE AND NIPPLE COMBINATIONS, NURSER BOTTLE AND NIPPLE AND CAP COMBINATIONS, PESSARIES, RECTAL TUBES, SERIUM STOPPLES, STOMACH TUBES, SURGEONS' GLOVES, SYRINGES, SYRINGE DOUCHES, SYRINGE TUBING, THROAT ICE BAGS, SURGICAL TUBING, AND SYRINGE ACCESSORY ASSORTMENTS—NAMELY, SYRINGE TUBING, PIPES, SHUT-OFFS, AND CONNECTIONS, SEPARATELY AND IN SETS.
Claims use since 1901.

Ser. No. 542,778. MYERSON TOOTH CORPORATION, Cambridge, Mass. Filed Nov. 29, 1947.

Loktone

FOR ACRYLIC DENTURE MATERIAL.
Claims use since Nov. 14, 1947.

Ser. No. 543,877. THE BOW CORPORATION, Boston, Mass. Filed Dec. 10, 1947.

Kuty

FOR FINGER HOLDER FOR MANICURING PURPOSES.
Claims use since Sept. 1, 1947.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 547,968. BLUE SEAL EXTRACT COMPANY, Cambridge, Mass. Filed Jan. 26, 1948.

GRAPE-SEE

No registration rights are claimed for the word "Grape" apart from the mark as a whole.
FOR GRAPE BEVERAGE BASE OR EXTRACT FOR USE IN MAKING CARBONATED BEVERAGES.
Claims use since Dec. 9, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 531,456. FRANCES PORCHER BOWLES, trustee of the Estate of R. P. Porcher, Cocoa, Fla., assignor to Adrienne R. Earnhardt, Daytona Beach, Fla., successor trustee. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

DEERFIELD

Applicant claims ownership of registrations Nos. 245,677 and 245,678.
FOR FRESH CITRUS FRUITS.
Claims use since 1894.

Ser. No. 533,250. C. W. AEPPLER, doing business as Wisconsin Honey Farm, Oconomowoc, Wis. Filed Sept. 4, 1947.

LAND O'LAKES

FOR COMB AND EXTRACTED HONEY.
Claims use since Aug. 15, 1918.

Ser. No. 534,382. SHANKEL MILL COMPANY, INCORPORATED, Bristol, Va. Filed Sept. 12, 1947.

AMERICAN EAGLE

The word "American" and the representation of the goods are disclaimed apart from the mark. The drawing is lined to indicate the colors red and blue.
FOR WHEAT FLOUR, BOTH PLAIN AND SELF-RISING.
Claims use since Apr. 19, 1919.

Ser. No. 535,781. DOMENICO MERLINO, doing business as D. Merlino & Sons, Oakland, Calif. Filed Sept. 25, 1947.

Alita

FOR ALIMENTARY PASTE PRODUCTS—NAMELY, MACARONI, MACARONI PRODUCTS, SPAGHETTI, EGG NOODLES, AND EGG PASTINA.
Claims use since May 22, 1947.

Ser. No. 537,075. OL MAMMY COMPANY, Enfield, N. C. Filed Oct. 7, 1947.

No claim is made for the representation of the peanuts. The representation consists in a pen and ink portrait of Della Bailey, consent given.
FOR RAW PEANUTS.
Claims use since Aug. 26, 1947.

Ser. No. 540,103. W. B. PALMER ESTATE, doing business as Palmer Candy Company, Sioux City, Iowa. Filed Nov. 4, 1947.

Novel

Applicant claims ownership of registration No. 201,085.
FOR CANDY.
Claims use since Oct. 17, 1911.

Ser. No. 540,658. FINE FOODS, INC., Seattle, Wash. Filed Nov. 10, 1947.

DittO

Applicant claims ownership of registration No. 342,066.
FOR CANNED VEGETABLES.
Claims use since Sept. 27, 1935.

Ser. No. 543,582. J. & J. W. ELSWORTH CO., New York, N. Y. Filed Dec. 6, 1947. Under section 2f of the act of 1946.

GARDINERS ISLAND

Applicant claims ownership of registration No. 260,424.
FOR OYSTERS IN THEIR NATURAL STATE.
Claims use since 1927.

Ser. No. 543,899. THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Dec. 10, 1947.

Creamette

Applicant claims ownership of registrations Nos. 190,536 and 201,880.
FOR SPAGHETTI SAUCE, A DRESSING TO BE EMPLOYED WITH COOKED SPAGHETTI.
Claims use since Dec. 1, 1947.

Ser. No. 545,371. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Dec. 24, 1947.

SILVER KEY

Applicant claims ownership of registration No. 80,913.
FOR TEA.
Claims use since Oct. 5, 1909.

Ser. No. 545,392. REDHURD CORPORATION, Terre Haute, Ind. Filed Dec. 24, 1947.

DUBLTEX

Applicant claims ownership of registration No. 432,231.
FOR PURE CONCENTRATED WHOLE EGGS AND YOLKS.
Claims use since Oct. 3, 1947.

Ser. No. 548,098. SIDNEY OSTROWITZ, doing business as Standard Confections Co., Brooklyn, N. Y. Filed Jan. 27, 1948.

Jubilee

FOR CANDY.
Claims use since May 15, 1947.

CLASS 47

WINES

Ser. No. 548,135. CELLA VINEYARDS, doing business as Master Vintners Wine Co., Reedley, Calif. Filed Jan. 28, 1948.

La Finesse

FOR WINES.
Claims use since Aug. 26, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 546,509. NATIONAL DISTILLERS PRODUCTS CORPORATION, New York, N. Y. Filed Jan. 8, 1948.

FARMDALE

FOR WHISKEY.
Claims use since Nov. 16, 1899.

Ser. No. 547,118. HILL, THOMSON & CO. LIMITED, Edinburgh, Scotland. Filed Jan. 15, 1948.

HILLTOP

Applicant claims ownership of registration No. 310,958, and of British registration No. 308,586, dated Dec. 4, 1908.
FOR BLENDED SCOTCH WHISKY.
Claims use since January 1908.

Ser. No. 547,120. HILL, THOMSON & CO. LIMITED, Edinburgh, Scotland. Filed Jan. 15, 1948.

QUEEN ANNE

Applicant claims ownership of registration No. 39,438.
FOR BLENDED SCOTCH WHISKY.
Claims use since 1896.

CLASS 55

SERVICES

Ser. No. 502,078. ROSENBERG FURS, Charleroi, Pa. Filed Oct. 10, 1947; originally filed, act of 1905, May 14, 1946.
SERVICE MARK.

No claim is made to the words "Fur Storage" apart from the mark as shown.
FOR FUR GARMENT STORAGE.
Claims use since Jan. 3, 1946.

Ser. No. 531,706. PAUL S. PORT, Cincinnati, Ohio. Filed Aug. 18, 1947. SERVICE MARK.

The words "Your Books Kept Straight and Up-to-Date" are disclaimed except in the connection shown.
FOR ACCOUNTING, BOOKKEEPING, AUDIT, AND TAX SERVICE.
Claims use since Mar. 1, 1947.

Ser. No. 537,783. AUTO CITY PLATING CO., Detroit, Mich. Filed Oct. 14, 1947. SERVICE MARK.

PERM-A-PLATE

The word "Plate" is disclaimed apart from the mark.
FOR ELECTRO-PLATING WITH COPPER, NICKEL, AND CHROME AND OTHER METALS.
Claims use since Jan. 1, 1936.

Ser. No. 538,326. WELCOME WAGON SERVICE COMPANY, INC., Memphis, Tenn., and New York, N. Y. Filed Oct. 18, 1947. SERVICE MARK.

Baby Time

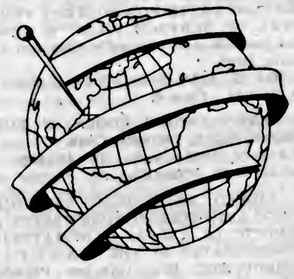
FOR ADVERTISING SERVICE EMPLOYING PERSONAL VISITS TO SPECIAL GROUPS OF PROSPECTIVE PURCHASERS BY A REPRESENTATIVE OF THE SERVICE ORGANIZATION AND THE PRESENTATION OF SAMPLE GIFTS FROM THE SALES ORGANIZATIONS USING THE SERVICE.
Claims use since November 1939.

Ser. No. 542,309. GREEN CONTRACTING AND ENGINEERING COMPANY, INC., Wichita, Kans. Filed Nov. 25, 1947. SERVICE MARK.

"PRESSURE-PLASTIC"

The word "Pressure" is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 439,416.
FOR SERVICES IN MAKING APPLICATIONS OF PLASTIC COATINGS TO THE INTERIOR OF TUBULAR GOODS, SUCH AS CASINGS, DRILL PIPES, SERVICE PIPES, AND PIPE LININGS.
Claims use since Apr. 1, 1946.

Ser. No. 549,040. AMERICAN CABLE AND RADIO CORPORATION, New York, N. Y. Filed Feb. 7, 1948. SERVICE MARK.



FOR RECEIPT, TRANSMISSION, AND DELIVERY OF COMMUNICATIONS BY RADIO, TELEPHONY, TELEGRAPHY, WIRELESS, RADIOGRAPHY, RADIOTELEPHONY, RADIOTELEGRAPHY, RADIOPHONY.
Claims use since Aug. 25, 1945.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

441,989. ICE CREAM. THE KERR ICE CREAM COMPANY, Cincinnati, Ohio.
Filed Apr. 2, 1941, Serial No. 442,196. Published Oct. 19, 1948. Class 46.

441,990. ELECTRIC HIGH FREQUENCY TESTING AND MEASURING APPARATUS FOR TESTING AND MEASURING HIGH FREQUENCY ELECTRICAL EQUIPMENT AND PHENOMENA—NAMELY, CHARACTERISTIC MONITORING, MEASURING, AND INDICATING APPARATUS; WATTMETERS, MATCHING TRANSFORMERS, IMPEDANCE METERS, WAVE METERS, FREQUENCY STANDARDS, AND STANDARD CAVITIES. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y., now by merger The Sperry Corporation, a corporation of Delaware.
Filed June 10, 1944, Serial No. 471,138. Published Feb. 27, 1945. Class 26.

441,991. LIQUID CHEMICAL BOILER SCALE REMOVER, LIQUID BRINE SOLVENT FOR CLEANING CREAMERY TANKS, ETC., AND METAL CLEANING PASTE FOR SOLVENT FOR THE REMOVAL OF SURFACE FILM. G. BYRON REESE, doing business as Progressive Chemical Co., Minneapolis, Minn.
Filed May 2, 1945, Serial No. 482,892. Published Nov. 2, 1948. Class 6.

441,992. RAYON FABRIC GOODS IN THE PIECE. PONEMAH MILLS, Taftville, Conn.
Filed July 2, 1945, Serial No. 485,365. Published Sept. 23, 1947. Class 42.

441,993. LIQUID AND SOLID CHEMICAL COMPOUNDS AND COMPOSITIONS USEFUL AS PHARMACEUTICALS AND AS RAW MATERIALS AND INTERMEDIATES IN THE MANUFACTURE THEREOF, ETC. PUROCAINE, INC., Philadelphia, Pa.
Filed Dec. 6, 1945, Serial No. 492,788. Published Nov. 2, 1948. Class 6.

441,994. HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, HYPODERMIC SYRINGE FILTERS, MICROSCOPIC COVERGLASSES, MICROSCOPIC SLIDES, ETC. POPPER & KLEIN, INC., also doing business under the name of PerfeKtum Products Co., New York, N. Y.
Filed Jan. 11, 1946, Serial No. 494,630. Published Oct. 26, 1948. Class 44.

441,995. EXPOSURE METERS. G-M LABORATORIES, INC., Chicago, Ill.
Filed Feb. 21, 1946, Serial No. 497,021. Published Apr. 1, 1947. Class 26.

441,996. SUN GLASSES. SUN GLASS INDUSTRIES, Newark, N. J.
Filed Feb. 21, 1946, Serial No. 497,053. Published Oct. 5, 1948. Class 26.

441,997. VARIOUS COMPONENT PARTS OF ELECTRICAL AND RADIO APPARATUS—NAMELY, LAMP SOCKETS, TUBE SOCKETS, SPACER SLEEVES, GROUNDING BUSHINGS, VIBRATOR CLIPS, GROUNDING CUPS, SHOCKPROOF MOUNTING CUPS, TERMINALS, CONNECTORS, TERMINAL STRIPS AND CONNECTORS, SWITCHES, WIRING CLIPS, CONDUCTOR HARNESS AND HARNESS CLIPS, FUSE MOUNTINGS, ETC. UNITED-CARR FASTENER CORORATION, Cambridge, Mass.
Filed Mar. 8, 1946, Serial No. 497,900. Published Oct. 26, 1948. Class 21.

441,998. DOLLS. BLANCHE M. STURGEON, Santa Barbara, Calif.
Filed Apr. 3, 1946, Serial No. 499,582. Published Oct. 5, 1948. Class 22.

441,999. GOLF CLUBS AND GOLF BALLS. GOLFCRAFT INC., Chicago, Ill.
Filed Apr. 5, 1946, Serial No. 499,705. Published Oct. 5, 1948. Class 22.

442,000. HEADACHE TABLETS. ELARS PRODUCTS, INC., Richmond, Va.
Filed May 1, 1946, Serial No. 501,247. Published Jan. 14, 1947. Class 6.

442,001. ATHLETIC EQUIPMENT—NAMELY, BLOCKING PADS, SHOULDER PADS, HELMETS, NOSE GUARDS, SHOULDER PAD CUSHIONS, ETC. SPORT PRODUCTS INC., Cincinnati, Ohio.
Filed May 3, 1946, Serial No. 501,417. Published Oct. 5, 1948. Class 22.

442,002. NAIL POLISH REMOVER. STUDIO COSMETIC COMPANY, Los Angeles, Calif., assignor to Howe-Lewis, Inc., Los Angeles, Calif., a corporation of California.
Filed May 20, 1946, Serial No. 502,470. Published Jan. 21, 1947. Class 6.

442,003. BOWLING GAME. DAVID S. ALVES, Richmond, Calif.
Filed May 22, 1946, Serial No. 502,551. Published June 17, 1947. Class 22.

442,004. EXTRACT OBTAINED FROM CERTAIN ANIMAL TISSUE COMBINED WITH EXTRACTS OF SKIN TISSUE OBTAINED FROM CERTAIN SPECIES OF REPTILES, AS TURTLES, TORTOISES, AND IGUANAS, USED IN COMPOUNDING TOILET GOODS ITEMS. PERRY M. ZANG, Freeport, N. Y., assignor to Amorskin, Inc., Freeport, N. Y., a corporation of New York.
Filed May 23, 1946, Serial No. 502,676. Published Nov. 2, 1948. Class 6.

442,006. TOYS FOR EDUCATIONAL PURPOSES IN THE FORM OF METAL VIEWING BOXES EQUIPPED WITH SCREENS AND WITH MEANS FOR PROJECTING LETTERS, NUMERALS, AND PICTURES THEREON. THE THOMPSON COMPANY, Cedar Rapids, Iowa.
Filed July 9, 1946, Serial No. 505,322. Published Oct. 5, 1948. Class 22.

442,006. PASSENGER AUTOMOBILE. GRAHAM PAIGE MOTORS CORPORATION, Willow Run, Mich., assignor to Kaiser-Frazer Corporation, Willow Run, Mich., a corporation of Nevada.
Filed July 13, 1946, Serial No. 505,577. Published Oct. 5, 1948. Class 19.

442,007. TOY VELOCIPEDES. THE LA PORTE CORPORATION, Chicago, Ill., and La Porte, Ind.
Filed July 22, 1946, Serial No. 506,039. Published Oct. 5, 1948. Class 22.

442,008. COLOGNE. KAY DAUMIT, INC., Chicago, Ill., assignor to Kathryn, Inc., Chicago, Ill., a corporation of Illinois.
Filed Aug. 2, 1946, Serial No. 506,739. Published Oct. 26, 1948. Class 6.

442,009. CONTACT LENSES. THE HOUSE OF VISION-BELGARD-SPERO INC., also doing business as House of Vision, and Belgard-Spero, Chicago, Ill.
Filed Aug. 9, 1946, Serial No. 507,127. Published Apr. 6, 1948. Class 26.

442,010. CAMERA ATTACHMENTS WHICH PRODUCE AN ARTIFICIAL REFLECTION IN THE IMAGE. EDWARD J. HERBERT, doing business as Edroy Products Company, New York, N. Y.
Filed Aug. 13, 1946, Serial No. 507,314. Published Oct. 26, 1948. Class 26.

442,011. FURNITURE POLISH. ALONZO E. DAVIS, Montgomery, Ala.
Filed Aug. 17, 1946, Serial No. 507,574. Published Oct. 19, 1948. Class 16.

442,012. RUBBER AND RUBBER-LIKE MOLDED AND PARTIALLY MOLDED TOYS, ETC. AUBURN RUBBER CORPORATION, Auburn, Ind.
Filed Sept. 12, 1946, Serial No. 508,885. Published Oct. 5, 1948. Class 22.

442,013. SYNTHETIC DETERGENT FOR HOUSEHOLD OR INDUSTRIAL USE. K. C. WORKING CHEMICAL Co., Los Angeles, Calif., L. Boteler, Trustee in Bankruptcy of said K. C. Working Chemical Co., assignor to Botany Mills, Inc., Passaic, N. J., a corporation of New Jersey.
Filed Sept. 17, 1946, Serial No. 509,257. Published Sept. 2, 1947. Class 4.

442,014. COSMETIC SETS, CONTAINING CLEANSING CREAM, NIGHT CREAM, AND SKIN FRESHENER. AVON PRODUCTS, INC., New York, N. Y.
Filed Sept. 23, 1946, Serial No. 509,557. Published Oct. 5, 1948. Class 6.

442,015. COMBINATION INSTRUMENT CONSISTING OF A TWO STAGE PRESSURE REGULATOR, PRESSURE ELECTRIC SWITCH, AND DUAL EDGEWISE PRESSURE GAUGE, INTENDED FOR APPLICATION TO BEVERAGE CARBONATING DISPENSERS FOR THE PURPOSE OF INSURING PROPER CARBONATION, ETC. MANNING, MAXWELL & MOORE, INCORPORATED, New York, N. Y.
Filed Sept. 27, 1946, Serial No. 509,857. Published Oct. 5, 1948. Class 26.

442,016. CANDY BARS. THE SHOTWELL MFG. CO., Chicago, Ill.
Filed Oct. 2, 1946, Serial No. 510,117. Published Oct. 26, 1948. Class 46.

442,017. WATCH ATTACHMENTS AND BRACELETS, NOT INCLUDING WATCHES. DOMINANT, INCORPORATED, Attleboro, Mass.
Filed Oct. 11, 1946, Serial No. 510,663. Published Nov. 2, 1948. Class 28.

442,018. DEVICE COMPRISING A BASE WITH GUIDING FEATHERS EXTENDING THEREFROM, USED IN PLAYING AN OUTDOOR SPORT GAME KNOWN AS "PETEKA," WHEREIN THE DEVICE IS ADAPTED TO BE BATTED BACK AND FORTH BY PLAYERS WITH THE BARE HAND. CHARLES H. WATSON, doing business as Watson Industries, Laguna Beach, Calif.
Filed Oct. 12, 1946, Serial No. 510,818. Published Oct. 5, 1948. Class 22.

442,019. CHEMICAL PREPARATION FOR USE AS A SOLVENT IN THE INDUSTRIAL ARTS AND ADAPTED FOR USE ALSO AS A FUMIGANT AND AN INSECTICIDE. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed Oct. 16, 1946, Serial No. 510,935. Published Oct. 19, 1948. Class 6.

442,020. SOLUTION OF ANESTHETICS IN VEGETABLE OIL FOR PROLONGED ANESTHESIA. C. F. KIRK COMPANY, New York, N. Y.
Filed Oct. 19, 1946, Serial No. 511,164. Published Sept. 21, 1948. Class 6.

442,021. WOOL DETERGENT. BOTANY WORSTED MILLS, Passaic, N. J., now by change of name Botany Mills, Inc., a corporation of New Jersey.
Filed Oct. 22, 1946, Serial No. 511,262. Published Sept. 2, 1947. Class 4.

442,022. PAINTS AND VARNISHES FOR HOUSE AND INDUSTRIAL USE. W. J. LYNCH PAINT & VARNISH CO., INC., East Providence, R. I.
Filed Oct. 25, 1946, Serial No. 511,485. Published Oct. 19, 1948. Class 16.

442,023. SEMI-LIQUID WALLPAPER WAX TO BE USED AS A COATING TO KEEP WALLPAPER WATERPROOF, STAIN-PROOF, AND WASHABLE. HERBERT S. INGRAM, doing business as The Transglo Company, Little Neck, New York, and Corona, New York, N. Y.
Filed Oct. 28, 1946, Serial No. 511,615. Published Oct. 19, 1948. Class 16.

442,024. LITHOGRAPHIC SUPPLY PRODUCTS—NAMELY, AN ALBUMEN PLATE COATING OR ALBUMEN IN SOLUTION, USED FOR COATING LITHOGRAPHIC SURFACE PLATES AND DEEP ETCHED PLATES, ETC. MCKINLEY LITHO SUPPLY COMPANY INC., Cincinnati, Ohio.
Filed Nov. 4, 1946, Serial No. 512,011. Published Oct. 26, 1948. Class 6.

442,025. TOY WAGONS AND WHEELED VEHICLES USED ON TOY ROLLER COASTERS AND TRACKS THEREFOR. COAST-A-WAY TOYS, Petersburg, Ohio.
Filed Nov. 7, 1946, Serial No. 512,159. Published Oct. 12, 1948. Class 22.

442,026. COLOGNE. THE ARMAND COMPANY, Des Moines, Iowa.
Filed Nov. 8, 1946, Serial No. 512,227. Published Nov. 2, 1948. Class 6.

442,027. PLAYING CARDS. LUIS E. TACÓN, New York, N. Y.
Filed Nov. 13, 1946, Serial No. 512,543. Published Oct. 5, 1948. Class 22.

442,028. METAL BRIDGE SETS INCLUDING BRIDGE CHAIRS AND BRIDGE TABLES, ESPECIALLY FOLDING METAL BRIDGE CHAIRS AND FOLDING METAL BRIDGE TABLES, FOLDING TRAY STANDS, FOLDING LUGGAGE RACKS FOR GENERAL USE AND CHILDREN'S JUVENILE FOLDING TABLE AND JUVENILE FOLDING CHAIR PLAY SETS. ERO MANUFACTURING COMPANY, Chicago, Ill.
Filed Nov. 18, 1946, Serial No. 512,771. Published May 13, 1947. Class 32.

442,029. JEWELRY FOR PERSONAL WEAR—NAMELY, EXPANSION, CHARM, IDENTIFICATION AND WATCH BRACELETS, ANKLETS, CHARMS, FINGER RINGS, ETC. PAKULA AND COMPANY, Chicago, Ill.
Filed Nov. 25, 1946, Serial No. 513,199. Published Oct. 26, 1948. Class 28.

442,030. WAGON BOXES HAVING UNLOADING MECHANISM. MALLORY MANUFACTURING COMPANY, Chapin, Iowa.
Filed Nov. 29, 1946, Serial No. 513,424. Published Oct. 5, 1948. Class 19.

442,031. READY-MIXED PAINT FOR SASH AND TRIM. MORRIS PAINT & VARNISH CO., St. Louis, Mo.
Filed Dec. 2, 1946, Serial No. 513,577. Published Oct. 19, 1948. Class 16.

442,032. SOLIDIFIED IODINE OINTMENT. VOGEL COMPANY, Chicago, Ill., now by change of name Vodine Company, a corporation of Illinois, assignor to Benjamin Clayton, San Marino, Calif.
Filed Dec. 6, 1946, Serial No. 513,859. Published Nov. 2, 1948. Class 6.

442,033. KEY CHAINS MADE OF PRECIOUS OR COMBINATION OF PRECIOUS AND BASE METAL. JACQUES KREISLER MANUFACTURING CORPORATION, North Bergen, N. J.
Filed Dec. 13, 1946, Serial No. 514,202. Published Oct. 26, 1948. Class 28.

442,034. MACHINE POSTING TRAYS, RACKS, STANDS, AND FILING CABINETS. WILSON-JONES COMPANY, Chicago, Ill.
Filed Dec. 13, 1946, Serial No. 514,237. Published Oct. 26, 1948. Class 32.

442,035. SELF-ENERGIZING AND/OR POWER INDUCED ENERGIZING ELECTROLYTIC WATER CORRECTION DEVICES USED PRIMARILY FOR THE PREVENTION OF RUST AND SCALE. EDGAR M. BUTLER, doing business as Butler Engineering Co., New Orleans, La.
Filed Dec. 19, 1946, Serial No. 514,518. Published Oct. 26, 1948. Class 21.

442,036. FLAX FIBER. FRANKLIN E. SMITH, South Dartmouth, Mass.
Filed Jan. 2, 1947, Serial No. 515,200. Published Oct. 26, 1948. Class 1.

442,037. FACE POWDER, LIPSTICK, ROUGE, TALCUM POWDER, COLD CREAM, ACNE LOTION, AND SHAMPOO. ALMAY, INC., New York, N. Y.
Filed Jan. 7, 1947, Serial No. 515,355. Published Sept. 21, 1948. Class 6.

442,038. RADIO TRANSMITTERS AND RECEIVERS FOR USE IN NAVIGATION TO DETERMINE DISTANCES AND POSITION IN TERMS OF PHASE ANGLE RELATIONSHIPS. CHARLES B. HASTINGS, doing business as Hastings Instrument Company, Hampton, Va.
Filed Jan. 8, 1947, Serial No. 515,423. Published Oct. 19, 1948. Class 26.

442,039. CHEMICAL FIRE EXTINGUISHING COMPOSITION FOR USE IN ORDINARY FIRE EXTINGUISHERS. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich.
Filed Jan. 9, 1947, Serial No. 515,506. Published Oct. 5, 1948. Class 6.

442,040. PLASTIC PROTECTIVE COATINGS FOR ELECTROLYTIC PLATING TANKS AND RACKS. MICHIGAN CHROME & CHEMICAL COMPANY, Detroit, Mich.
Filed Jan. 10, 1947, Serial No. 515,577. Published Oct. 19, 1948. Class 16.

442,041. INSECTICIDES, RODENTICIDES, AND FUNGICIDES. PARAMOUNT PEST CONTROL SERVICE, Oakland, Calif.
Filed Jan. 11, 1947, Serial No. 515,631. Published Nov. 2, 1948. Class 6.

442,042. METAL TANKS AND COMBINATION METAL AND CONCRETE TANKS AND THE PARTICULAR USE BEING FOR OIL, WATER, GAS, AND GASOLINE STORAGE. HAMMOND IRON WORKS, Warren, Pa.
Filed Jan. 16, 1947, Serial No. 515,833. Published Nov. 2, 1948. Class 2.

442,043. MATTRESSES. FRANK M. TRITICO, doing business as Tritico Mattress Factory, Lake Charles, La.
Filed Jan. 17, 1947, Serial No. 515,917. Published Oct. 12, 1948. Class 32.

442,044. ATHLETIC FOOT REMEDY. ELMER T. KELLEY, doing business as Kekell Company, Louisville, Ky.
Filed Jan. 27, 1947, Serial No. 516,419. Published Mar. 9, 1948. Class 6.

442,045. CLASPS OR PINS OF PRECIOUS METAL SUCH AS SILVER, GOLD, OR PLATINUM, AND ADAPTED FOR SECURING SHIRT COLLARS. JOHN M. CROWNOVER, Tula, Okla.
Filed Jan. 29, 1947, Serial No. 516,538. Published Oct. 26, 1948. Class 28.

442,046. READY MIXED PAINTS, PASTE PAINTS, WOOD STAINS, VARNISHES, VARNISH STAINS, PAINT ENAMELS, CHEMICAL PAINT AND VARNISH REMOVERS, FILLERS FOR USE BY PAINTERS, AND COLORS IN OIL. ROBERTS PAINT CORP., New York, N. Y.
Filed Jan. 29, 1947, Serial No. 516,574. Published Oct. 19, 1948. Class 16.

442,047. CEMENT BASE PAINT FOR WATERPROOFING MASONRY. JAMES H. NADEN, doing business as J. H. Naden Sales Co., Denver, Colo.
Filed Feb. 4, 1947, Serial No. 516,910. Published Oct. 19, 1948. Class 16.

442,048. GOLF TEES. LEO REIFMAN, doing business as A-Jus-Tee Co., Jackson Heights, N. Y.
Filed Feb. 5, 1947, Serial No. 516,999. Published Oct. 12, 1948. Class 22.

442,049. METAL FURNITURE—NAMELY, BRIDGE SETS COMPOSED OF CHAIRS AND TABLES, ESPECIALLY FOLDING METAL BRIDGE CHAIRS AND FOLDING METAL BRIDGE TABLES; FOLDING TRAY STANDS; FOLDING LUGGAGE RACKS; AND JUVENILE FOLDING TABLE AND CHAIR SETS. ERO MANUFACTURING COMPANY, Chicago, Ill.
Filed Feb. 8, 1947, Serial No. 517,188. Published Feb. 17, 1948. Class 32.

442,050. INSTRUMENTS FOR CONTROLLING THE FUNCTIONING OF INTERNAL COMBUSTION ENGINES, ETC. GENERAL RESEARCH & DEVELOPMENT CO., Fenton, Mich.
Filed Feb. 8, 1947, Serial No. 517,189. Published Sept. 28, 1948. Class 26.

442,051. EMOLLIENT FOR USE AS A TEAT CONDITIONER AND AS A SOOTHING AND COOLING DRESSING FOR CHAPPED TEATS, CUTS, AND SKIN ABRASIONS. NEWELL & EBERCART, Stockton, Calif.
Filed Feb. 8, 1947, Serial No. 517,195. Published Sept. 9, 1947. Class 6.

442,052. PERFUME. LILLIAN HUNTER BROWNBACK, doing business as Qui Sait Company, Linfield, Pa.
Filed Feb. 10, 1947, Serial No. 517,235. Published Oct. 5, 1948. Class 6.

442,053. PERFUMES AND HAIR DYE. HIJOS DE N. LOPEZ CABO, Barcelona, Spain.
Filed Feb. 12, 1947, Serial No. 517,351. Published Oct. 26, 1948. Class 6.

442,054. REAR VIEW MIRRORS. JAY ELECTRIC CO., Detroit, Mich.
Filed Mar. 1, 1947, Serial No. 518,355. Published Oct. 5, 1948. Class 19.

442,055. NECKLACES AND RELIGIOUS ORNAMENTS FOR THE SAME, ALL MADE OF PRECIOUS METALS. E. S. WINSTAN CO., New York, N. Y.
Filed Mar. 5, 1947, Serial No. 518,576. Published Oct. 26, 1948. Class 28.

442,056. COSTUME JEWELRY—NAMELY, NECKLACES, ETC. STAR JEWELRY CO., INC., New York, N. Y.
Filed Mar. 18, 1947, Serial No. 519,232. Published Oct. 26, 1948. Class 28.

442,057. ELECTRIC TOASTERS. RADIRON CORPORATION, Miamisburg, Ohio.
Filed Mar. 27, 1947, Serial No. 519,694. Published Nov. 2, 1948. Class 21.

442,058. ELECTRO-THERAPY APPARATUS AND PARTS THEREOF. NEIL F. SAUNDERS, Detroit, Mich.
Filed Mar. 29, 1947, Serial No. 519,834. Published Oct. 26, 1948. Class 44.

442,059. COLORS, PAINT PIGMENTS (CAKE AND MOIST TUBE), AND WATER COLOR LIQUIDS IN BOTTLES, ALL FOR ARTISTS' USE. WINSOR & NEWTON, LIMITED, Wealdstone, Harrow, Middlesex, England.
Filed Apr. 16, 1947, Serial No. 520,847. Published Oct. 19, 1948. Class 16.

442,060. FACE CREAMS, ASTRINGENTS, SKIN FRESHENERS, AND SHAMPOOS. LOUISE SHERRITT TIBBETTS, doing business as Lamoraga Specialties, Moraga, Calif.
Filed Apr. 22, 1947, Serial No. 521,159. Published Nov. 2, 1948. Class 6.

442,061. SMOKED AND PICKLED MEATS, VIZ., HICKORY SMOKED BACON, HICKORY SMOKED PORK SHOULDER BUTTS, ETC. STAHL-MEYER, INC., New York, N. Y.
Filed Apr. 25, 1947, Serial No. 521,368. Published Oct. 26, 1948. Class 46.

442,062. SYRINGE WHICH IS PROVIDED WITH A FLOAT THAT WILL, WHEN SURROUNDED BY THE ELECTROLYTES OF ELECTRIC STORAGE BATTERIES, INDICATE THE TIME OF CHARGE, ETC. B-L ELECTRIC MANUFACTURING COMPANY, St. Louis, Mo., assignor to The Benwood-Linze Company, a corporation of Missouri.
Filed Apr. 28, 1947, Serial No. 521,427. Published Oct. 12, 1948. Class 26.

442,063. CHEMICAL PREPARATION FOR DISSOLVING SLUDGE IN CARBURETORS IN INTERNAL COMBUSTION ENGINES. ADAM OGINT, doing business as Carburetone Manufacturing Co., Hollywood, Calif.
Filed May 1, 1947, Serial No. 521,677. Published Oct. 5, 1948. Class 6.

442,064. LIGHTER FUEL. COLIBRI LIGHTERS LIMITED, London, England.
Filed May 2, 1947, Serial No. 521,722. Published Sept. 28, 1948. Class 6.

442,065. AUTOMOBILE RADIATOR GUARDS, COLLAPSIBLE STEP FOR VEHICLES, AND AUTOMOBILE LUGGAGE CARRIERS. STATE WELDING WORKS, INC., New York, N. Y.
Filed May 5, 1947, Serial No. 521,938. Published Oct. 12, 1948. Class 19.

442,066. HAIR AND SCALP CREAM PREPARATIONS FOR RELIEVING ITCHING SCALP. MARY L. ALLEN, Newark, N. J.
Filed May 12, 1947, Serial No. 522,298. Published Nov. 2, 1948. Class 6.

442,067. REAGENTS AND VOLUMETRIC SOLUTIONS FOR USE IN CHEMICAL, ETC. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill.
Filed May 26, 1947, Serial No. 523,077. Published Nov. 2, 1948. Class 6.

442,068. SOAP, CLEANING COMPOUNDS FOR FABRICS, AND COMPOUNDS FOR REMOVING STAINS FROM FABRICS. ERNEST E. VAN ALLSBURG, doing business as Van Chemical Company, Detroit, Mich.
Filed June 5, 1947, Serial No. 523,630. Published Oct. 26, 1948. Class 4.

442,069. BEDDING CONSISTING OF MATTRESSES, BOX SPRINGS, STUDIO COUCHES, AND SOFA BEDS. MASSACHUSETTS MATTRESS COMPANY, Boston, Mass.
Filed June 10, 1947, Serial No. 523,902. Published Oct. 19, 1948. Class 32.

442,070. LAXATIVES. GEORGE L. NICHOLAS, doing business as The Medicine Chest, Indianapolis, Ind.
Filed June 11, 1947, Serial No. 523,979. Published Nov. 2, 1948. Class 6.

442,071. BRAKE FLUID. PORTS MANUFACTURING CO. INC., doing business as Joray Mfg. Co., Brooklyn, N. Y.
Filed June 13, 1947, Serial No. 524,151. Published Sept. 28, 1948. Class 6.

442,072. MEAT SANDWICHES. RICHARD SPRANSO, doing business as Beefiet Sandwich Shop, Chicago, Ill., assignor to Beefiet Sandwich Shops, Inc., Chicago, Ill., a corporation of Illinois.
Filed June 18, 1947, Serial No. 524,426. Published Oct. 26, 1948. Class 46.

442,073. INSECTICIDES, FUNGICIDES, HERBICIDES, GERMICIDES, DISINFECTANTS, PESTICIDES, INTERMEDIATES, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,730. Published Nov. 2, 1948. Class 6.

442,074. PUTTY, CAULKING COMPOUND, CRACK FILLERS AND GLAZING COMPOUNDS FOR MOUNTING GLASS, ETC. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,732. Published Sept. 28, 1948. Class 12.

442,075. CHOCOLATE FLAVOR SYRUP USED IN FOODS. KRIM-KO CORPORATION, Chicago, Ill.
Filed June 25, 1947, Serial No. 524,802. Published Oct. 19, 1948. Class 46.

442,076. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES), ETC. CAMPUS JEWELRY PRODUCTS, INC., Providence, R. I.
Filed June 27, 1947, Serial No. 524,948. Published Nov. 2, 1948. Class 28.

442,077. CARBON AND GRAPHITE CONSTRUCTION MATERIALS AND STRUCTURAL ELEMENTS—NAMELY, BRICKS, BEAMS, BLOCKS, PLATES, SLABS, TILE, RODS, GRATINGS, TUBES, AND TUBE SHEETS. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed July 1, 1947, Serial No. 525,370. Published Aug. 24, 1948. Class 12.

442,078. EDUCATIONAL TOY, CONSISTING OF A SHEET OR SHEETS OF PAPER IN LOOSE OR IN BOUND FORM HAVING THEREON NORMALLY INVISIBLE PICTURES MADE VISIBLE BY THE APPLICATION OF A FLUID. MARTHA L. WARD, doing business as M. L. Ward Mfg. Company, also known as M. L. Ward Manufacturing Company, M. L. Ward Company, and M. L. Ward Co., Philadelphia, Pa.
Filed July 1, 1947, Serial No. 525,512. Published Sept. 28, 1948. Class 22.

442,079. BAR BELLS, DUMBBELLS, LEG-DEVELOPMENT WEIGHTS, NECK-DEVELOPMENT WEIGHTS, BAR BELL PLATES, DUMBBELL AND BAR BELL OUTFITS. HARVEY W. HUBNER, also doing business as Independent Iron Works, Los Angeles, Calif.
Filed July 2, 1947, Serial No. 525,599. Published Oct. 5, 1948. Class 22.

442,080. WOOLEN AND WORSTED PIECE GOODS. J. P. STEVENS & CO., INC., New York, N. Y.
Filed July 2, 1947, Serial No. 525,701. Published Oct. 19, 1948. Class 42.

442,081. NON-CERAMIC ELECTRICAL CONDENSERS. ILLINOIS CONDENSER CO., Chicago, Ill.
Filed July 3, 1947, Serial No. 525,850. Published Oct. 26, 1948. Class 21.

ACT OF 1946, PRINCIPAL REGISTER

506,387. ELECTRIC FOOD MIXERS, JUICERS, AND CHOPPERS. DORMEYER CORPORATION, Chicago, Ill.
Filed Nov. 12, 1947; originally filed, act of 1905, Oct. 18, 1945, Serial No. 490,107. Published Oct. 19, 1948. Class 21.

506,388. COMBINATION TOYS CAPABLE OF BEING CONVERTED INTO A TOY WAGON, A TOY TRICYCLE, A TOY SCOOTER, AND A TOY WHEELBARROW. THE TRIGON CORPORATION, Santa Monica, Calif., assignee of Serene & Reeves.
Filed Oct. 31, 1947; originally filed, act of 1905, Nov. 5, 1945, Serial No. 491,130. Published Oct. 5, 1948. Class 22.

506,389. WAX FINISH FOR TILE, MARBLE, TERRAZZO, AND FLOOR SURFACES. MINWAX COMPANY, INC., New York, N. Y.
Filed July 26, 1947; originally filed, act of 1905, Feb. 12, 1946, Serial No. 496,454. Published Oct. 19, 1948. Class 16.

506,390. PREPARATION CONTAINING VITAMIN B_1, TRICALCIUM PHOSPHATE, CALCIUM GLYCEROPHOSPHATE, FERRIC HYPOPHOSPHATE, AND LECITHIN, FOR USE AS A GENERAL TONIC. RHODES PHARMACAL CO., INC., Cleveland, Ohio.
Filed Jan. 17, 1948; originally filed, act of 1905, Apr. 24, 1946, Serial No. 500,826. Published Oct. 26, 1948. Class 6.

506,391. HOUSEHOLD DRUGS—NAMELY, CASTOR OIL, SPIRITS OF CAMPHOR, CAMPHORATED OIL, GLYCERIN, FOOD COLORS, MINERAL OIL FOR MEDICINAL PURPOSES, AND COUGH SYRUP. ROYAL SOUDERS, INC., Dayton, Ohio.
Filed July 26, 1947; originally filed, act of 1905, June 24, 1946, Serial No. 504,516. Published Nov. 2, 1948. Class 6.

506,392. GREASE AND OIL RETAINERS OF THE FRICTION TYPE USED TO SEAL THE SPACE BETWEEN A SHAFT AND AN ENGINE WALL, ETC. NATIONAL MOTOR BEARING COMPANY, INC., Redwood City, Calif.
Filed Oct. 17, 1947; originally filed, act of 1905, July 13, 1946, Serial No. 506,616. Published Nov. 2, 1948. Class 35.

506,393. VARNISH AND PYROXYLIN LACQUERS, PAINT ENAMELS, PAINT AND VARNISH THINNING LIQUIDS, ETC. LACQUER & CHEMICAL CORPORATION, Brooklyn, N. Y.
Filed Apr. 12, 1948; originally filed, act of 1905, Aug. 26, 1946, Serial No. 508,048. Published Oct. 19, 1948. Class 16.

506,394. MINERALS FOR CATTLE, SHEEP, HORSES, HOGS, AND POULTRY, ETC. MCCORMAN MANUFACTURING COMPANY, Quincy, Ill.
Filed Oct. 7, 1947; originally filed, act of 1905, Sept. 5, 1946, Serial No. 508,542. Published Oct. 26, 1948. Class 6.

506,395. PERFUMES, TOILET WATERS, ROUGE, LIPSTICK AND FACE CREAM. LANCELLE PARFUMEUR S. A. R. L., Paris, France.
Filed Sept. 13, 1947; originally filed, act of 1905, Sept. 17, 1946, Serial No. 509,222. Published Nov. 2, 1948. Class 6.

506,396. HYDROLYZED POLYSACCHARIDE USED AS A PLASMA SUBSTITUTE IN FLUID REPLACEMENT THERAPY. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed Apr. 15, 1948; originally filed, act of 1905, Sept. 17, 1946, Serial No. 509,250. Published Nov. 2, 1948. Class 6.

506,397. PRODUCT FOR DEODORIZING AND PERFUMING INTERIOR SPACES. ADCO, INC., Sedalia, Mo.
Filed July 5, 1947; originally filed, act of 1905, Oct. 11, 1946, Serial No. 510,635. Published Oct. 26, 1948. Class 6.

506,398. DETERGENTS FOR USE AS A LAUNDRY POWDER. DETERGENTS, INC., Columbus, Ohio.
Filed Feb. 20, 1948; originally filed, act of 1905, Oct. 31, 1946, Serial No. 511,790. Published Oct. 19, 1948. Class 4.

506,399. NECKLACES, BRACELETS, FINGER RINGS, ETC. JOSEPH H. MEYER BROS., Brooklyn, N. Y.
Filed Feb. 10, 1948; originally filed, act of 1905, Nov. 1, 1946, Serial No. 511,892. Published Nov. 2, 1948. Class 28.

506,400. ELECTRIC PHONOGRAPHS. THE LONDON GRAMOPHONE CORPORATION, New York, N. Y.
Filed Mar. 24, 1948; originally filed, act of 1905, Nov. 19, 1946, Serial No. 512,843. Published Oct. 19, 1948. Class 21.

506,401. ELECTRIC PHONOGRAPHS. THE LONDON GRAMOPHONE CORPORATION, New York, N. Y.
Filed Apr. 10, 1948; originally filed, act of 1905, Nov. 19, 1946, Serial No. 512,844. Published Oct. 19, 1948. Class 21.

506,402. DETERGENTS FOR WASHING, SCOURING AND CLEANSING ALL KINDS OF TEXTILE MATERIALS IN ALL CONDITIONS AND STAGES OF MANUFACTURE, ETC. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 14, 1947; originally filed, act of 1905, Dec. 11, 1946, Serial No. 514,028. Published Nov. 2, 1948. Class 4.

506,403. THERAPEUTIC APPLIANCES—NAMELY, LOW VOLTAGE UNITS FOR DELIVERING GALVANIC AND SINUSOIDAL CURRENTS. THE BURDICK CORPORATION, Milton, Wis.
Filed Dec. 19, 1947; originally filed, act of 1905, Dec. 24, 1946, Serial No. 514,752. Published Nov. 2, 1948. Class 44.

506,404. PHARMACEUTICAL PREPARATION WHICH SUPPLIES NUTRITIONAL NEEDS. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed July 5, 1947; originally filed, act of 1905, Jan. 30, 1947, Serial No. 516,615. Published Sept. 28, 1948. Class 6.

506,405. PAINT ENAMELS, PAINT ENAMEL UNDERCOATS, READY MIXED INTERIOR PAINTS, ETC. THE O'BRIEN CORPORATION, South Bend, Ind., by change of name from O'Brien Varnish Corporation.
Filed Oct. 4, 1947; originally filed, act of 1905, Jan. 24, 1947, Serial No. 517,281. Published Oct. 19, 1948. Class 16.

506,406. MARINE RUNABOUTS AND CRUISERS. CORRECT CRAFT, INC., Pinecastle annd Titusville, Fla., assignee of W. C. Meloon, doing business as Pinecastle Boat and Construction Company.
Filed Feb. 16, 1948; originally filed, act of 1905, Feb. 17, 1947, Serial No. 517,651. Published Oct. 5, 1948. Class 19.

506,407. WAX COVERED FRESH PARSNIPS. ROBERT L. BERNER COMPANY, Chicago, Ill.
Filed July 29, 1947; originally filed, act of 1905, Feb. 28, 1947, Serial No. 518,272. Published Oct. 19, 1948. Class 46.

506,408. ALL TYPES OF RAILROAD CARS INCLUDING FREIGHT, PASSENGER, REFRIGERATOR, DUMP, CANE, FRUIT, CORDWOOD, AND COAL. MAGOR CAR CORPORATION, New York, N. Y.
Filed Nov. 19, 1947; originally filed, act of 1905, Mar. 31, 1947, Serial No. 519,878. Published Oct. 5, 1948. Class 19.

506,409. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed Oct. 8, 1947; originally filed, act of 1905, Apr. 11, 1947, Serial No. 520,518. Published Oct. 26, 1948. Class 27.

506,410. WATCHES. MOVADO WATCH AGENCY, INC., New York, N. Y.
Filed Oct. 7, 1947; originally filed, act of 1905, Apr. 12, 1947, Serial No. 520,564. Published Oct. 26, 1948. Class 27.

506,411. CAR WHEELS, BRAKE SHOES, BRAKE SHOE KEYS, AND REINFORCING BACKS FOR BRAKE SHOES. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed Feb. 3, 1948; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,667. Published Oct. 5, 1948. Class 19.

506,412. ACCESSORIES FOR MINIATURE TOY MODEL AIRPLANES — NAMELY, AIRWHEELS, SEMI-PNEUMATIC WHEELS, ETC. G. A. HENRY, doing business as Henry Engineering Company, Burbank, Calif.
Filed Oct. 27, 1947; originally filed, act of 1905, Apr. 15, 1947, Serial No. 520,701. Published Oct. 5, 1948. Class 22.

506,413. METAL FURNITURE, ESPECIALLY CHROMIUM PLATED METAL FURNITURE—NAMELY, CHAIRS, INCLUDING RECLINING AND REVOLVING CHAIRS, ETC. ROYAL METAL MANUFACTURING COMPANY, Chicago, Ill.
Filed Aug. 20, 1947; originally filed, act of 1905, Apr. 19, 1947, Serial No. 521,029. Published Oct. 26, 1948. Class 32.

506,414. REFRIGERATED TRUCKS, REFRIGERATED SEMI-TRAILER TRUCKS, REFRIGERATED TRAILER TRUCKS, REFRIGERATED AIRPLANES, REFRIGERATED RAILROAD CARS AND TRUCKS, ETC. THE BROQUINDA CORPORATION, St. Petersburg, Fla.
Filed Nov. 19, 1947; originally filed, act of 1905, Apr. 23, 1947, Serial No. 521,175. Published Oct. 5, 1948. Class 19.

506,415. GRASS SEEDS. NORTHRUP, KING & CO., Minneapolis, Minn., and Berkeley, Calif.
Filed Aug. 29, 1947; originally filed, act of 1905, May 16, 1947, Serial No. 522,499. Published Oct. 26, 1948. Class 1.

506,416. PHOTOGRAPHIC DEVELOPER. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, May 16, 1947, Serial No. 522,522. Published July 6, 1948. Class 6.

506,417. DISINFECTANT, BACTERICIDE, AND DEODORIZER IN SOLID FORM, ETC. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Aug. 19, 1947; originally filed, act of 1905, May 20, 1947, Serial No. 522,739. Published Oct. 26, 1948. Class 6.

506,418. CLOCKS, WATCHES, AND PARTS THEREOF. THE NEW HAVEN CLOCK AND WATCH COMPANY, New Haven, Conn.
Filed Oct. 16, 1947; originally filed, act of 1905, June 3, 1947, Serial No. 523,474. Published Oct. 26, 1948. Class 27.

506,419. MAKE-UP PREPARATION FOR THE FACE, ALSO USED AS A POWDER BASE IN LIQUID AND CREAM FORM, PERFUME, COLOGNE, AFTER-SHAVE LOTION, ETC. ANATOLE ROBBINS, INC., doing business as Anatole Robbins, Los Angeles, Calif.
Filed Oct. 15, 1947; originally filed, act of 1905, June 17, 1947, Serial No. 524,283. Published Oct. 26, 1948. Class 6.

506,420. LIQUID MAKE-UP PREPARATION FOR THE FACE, ALSO USED AS A POWDER BASE. ANATOLE ROBBINS, INC., doing business as Anatole Robbins, Los Angeles, Calif.
Filed Dec. 2, 1947; originally filed, act of 1905, June 17, 1947, Serial No. 524,284. Published Nov. 2, 1948. Class 6.

506,421. CHEMICALS FOR CONTROL OF CHLORINATION. SCHOLLER BROTHERS, INC., Philadelphia, Pa.
Filed Aug. 18, 1947; originally filed, act of 1905, June 19, 1947, Serial No. 524,487. Published Sept. 14, 1948. Class 6.

506,422. BICYCLES. MEAD CYCLE COMPANY, Chicago, Ill.
Filed Sept. 19, 1947; originally filed, act of 1905, July 1, 1947, Serial No. 525,363. Published Oct. 5, 1948. Class 19.

506,423. BICYCLES. MEAD CYCLE COMPANY, Chicago, Ill.
Filed Sept. 19, 1947; originally filed, act of 1905, July 1, 1947, Serial No. 525,364. Published Oct. 5, 1948. Class 19.

506,424. MILKING MACHINES AND PARTS THEREOF. PINE TREE MILKING MACHINE CO., Chicago, Ill.
Filed July 5, 1947, Serial No. 526,563. Published Sept. 7, 1948. Class 23.

506,425. FLOOR ENAMEL AND PORCH PAINT. THE A. BURDSAL COMPANY, Indianapolis, Ind.
Filed July 5, 1947, Serial No. 526,602. Published Oct. 19, 1948. Class 16.

506,426. THERMOPLASTIC RESINS FOR MOLDING AND FORMING. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed July 5, 1947, Serial No. 526,644. Published Nov. 2, 1948. Class 1.

506,427. METAL CHAIRS, STOOLS, BENCHES, INCLUDING SHOE BENCHES IN THE NATURE OF FURNITURE, COUCHES, DAVENPORTS, SETTEES, CHAISE LOUNGES, ETC. THE TROY SUNSHADE COMPANY, Troy, Ohio.
Filed July 5, 1947, Serial No. 526,670. Published Oct. 26, 1948. Class 32.

506,428. METAL CHAIRS, STOOLS, BENCHES, INCLUDING SHOE BENCHES IN THE NATURE OF FURNITURE, COUCHES, DAVENPORTS, SETTEES, CHAISE LOUNGES, ETC. THE TROY SUNSHADE COMPANY, Troy, Ohio.
Filed July 5, 1947, Serial No. 526,671. Published Oct. 26, 1948. Class 32.

506,429. METAL CHAIRS, STOOLS, BENCHES, INCLUDING SHOE BENCHES IN THE NATURE OF FURNITURE, COUCHES, DAVENPORTS, SETTEES, ETC. THE TROY SUNSHADE COMPANY, Troy, Ohio.
Filed July 5, 1947, Serial No. 526,684. Published Oct. 26, 1948. Class 32.

506,430. LOCAL ANESTHETIZING, NERVE BLOCKING TABLETS, LOCAL ANESTHETIZING, NERVE BLOCKING SOLUTIONS, ANESTHETIC TABLETS, ANESTHETIC SOLUTIONS. ARTHUR E. SMITH, Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,216. Published Sept. 21, 1948. Class 6.

506,431. TABLETS FOR THE TREATMENT OF HYPOTHYROIDISM. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947, Serial No. 527,317. Published Sept. 28, 1948. Class 6.

506,432. TABLET FOR THE TREATMENT OF VITAMIN DEFICIENCIES, NEURITIS, MALNUTRITION, POLYNEURITIS AND VITAMIN B COMPLEX DEFICIENCIES. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947, Serial No. 527,430. Published Sept. 14, 1948. Class 6.

506,433. INKING RIBBONS USED WITH BUSINESS MACHINES — NAMELY, CALCULATING MACHINES, CASH REGISTERS, TYPEWRITERS, AND THE LIKE, AND CARBON PAPER. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed July 5, 1947, Serial No. 527,469. Published Oct. 26, 1948. Class 11.

506,434. SEED GRAINS—NAMELY, WHEAT, OATS, BARLEY, CORN, RYE, MAIZE, SORGHUM, SUDAN GRASS, AND OTHER GRASS SEEDS. TERMINAL GRAIN COMPANY, Fort Worth, Tex.
Filed July 5, 1947, Serial No. 527,622. Published Oct. 26, 1948. Class 1.

506,435. ANALGESIC BALM, ANESTHETIC OINTMENT, ETC. VITAMINERALS, INC., Los Angeles, Calif.
Filed July 5, 1947, Serial No. 527,630. Published Sept. 14, 1948. Class 6.

506,436. CONTAINERS FOR THE STORAGE OF LIQUIDS AND GAS—NAMELY, WELDED STEEL TANKS, ETC. A. O. SMITH CORPORATION, Milwaukee, Wis.
Filed July 5, 1947, Serial No. 527,760. Published Nov. 2, 1948. Class 2.

506,437. ARTIFICIAL FISH BAIT. JACK KENNETH SMITHWICK, Shreveport, La.
Filed July 8, 1947, Serial No. 528,128. Published Oct. 5, 1948. Class 22.

506,438. DYES AND DYESTUFFS. GENERAL DYESTUFF CORPORATION, New York, N. Y.
Filed July 10, 1947, Serial No. 528,268. Published Nov. 2, 1948. Class 6.

506,439. ALFALFA SEED. NORTHRUP, KING & CO., Minneapolis, Minn.
Filed July 11, 1947, Serial No. 528,307. Published Nov. 2, 1948. Class 1.

506,440. MAGNETIC MOTOR CONTROLS FOR STARTING AND STOPPING ELECTRIC MOTORS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed July 10, 1947, Serial No. 528,325. Published Oct. 19, 1948. Class 21.

506,441. MOTOR SCOOTERS. SOLAR CORPORATION, doing business as Beam Manufacturing Company, Milwaukee, Wis., and Webster City, Iowa.
Filed July 11, 1947, Serial No. 528,381. Published Oct. 12, 1948. Class 19.

506,442. TEXTILE TREATMENT CHEMICALS—NAMELY, DETERGENTS, SCOURING AGENTS, DYEING ASSISTANTS, AND PENETRANTS FOR USE IN THE PROCESSING OF TEXTILE FIBERS AND FABRICS, NATURAL AND SYNTHETIC. JOSEPH GEORGE NATHANSON, Natick, R. I.
Filed July 12, 1947, Serial No. 528,501. Published Nov. 9, 1948. Class 6.

506,443. MEDICINAL PREPARATION FOR THE PREVENTION OF SEA-SICKNESS. SEAJOY COMPANY LIMITED, Putney, London, England.
Filed July 12, 1947, Serial No. 528,517. Published Oct. 26, 1948. Class 6.

506,444. AUTOMATIC FISH HOOK. STAMFORD TOOL & DIE CORPORATION, Stamford, Conn.
Filed July 18, 1947, Serial No. 528,893. Published Oct. 12, 1948. Class 22.

506,445. ELECTRIC BED LAMPS. ELECTRO MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 19, 1947, Serial No. 528,916. Published Nov. 2, 1948. Class 21.

506,446. PRETZELS, POTATO CHIPS, POP CORN FLAVORED WITH CHEESE, NOODLES, AND FRENCH FRIED POP CORN. THE DAN-DEE PRETZEL AND POTATO CHIP COMPANY, Cleveland, Ohio.
Filed July 26, 1947, Serial No. 529,606. Published Oct. 19, 1948. Class 46.

506,447. AUTOMOBILE HEATERS. NOBLITT-SPARKS INDUSTRIES, INC., Columbus, Ind.
Filed July 28, 1947, Serial No. 529,811. Published Oct. 12, 1948. Class 19.

506,448. DART BOARDS, BEACH EQUIPMENT—NAMELY, BEACH MATS, ROLLS, AND BACK RESTS. ABERCROMBIE & FITCH COMPANY, New York, N. Y.
Filed July 31, 1947, Serial No. 530,045. Published Oct. 5, 1948. Class 22.

506,449. ELECTRIC AIR HEATERS FOR DOMESTIC USE. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y.
Filed July 31, 1947, Serial No. 530,089. Published Oct. 26, 1948. Class 21.

506,450. PERFUMES, COLOGNES, TOILET WATERS, FACE POWDERS, DUSTING POWDERS, BATH POWDERS, TALCUM POWDERS, SACHET POWDERS, LIPSTICKS, ROUGES, AND FOUNDATION MAKE-UP PREPARATIONS. LUCIEN LELONG, INC., Chicago, Ill.
Filed Aug. 1, 1947, Serial No. 530,209. Published Oct. 26, 1948. Class 6.

506,451. WHEAT FLOUR. MONTANA FLOUR MILLS COMPANY, doing business as Judith Basin Mills, Inc., Great Falls, Mont.
Filed Aug. 5, 1947, Serial No. 530,547. Published Oct. 19, 1948. Class 46.

506,452. FACE CREAM. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio.
Filed Aug. 6, 1947, Serial No. 530,613. Published Sept. 28, 1948. Class 6.

506,453. ELECTRIC MOTORS. THE GLOBE TOOL & ENGINEERING COMPANY, Dayton, Ohio.
Filed Aug. 8, 1947, Serial No. 530,815. Published Oct. 26, 1948. Class 21.

506,454. GOLF CLUBS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,977. Published Oct. 5, 1948. Class 22.

506,455. FRESH LETTUCE, FRESH CARROTS, AND FRESH CANTALOUPES. STANLEY FRUIT COMPANY, Phoenix, Ariz.
Filed Aug. 11, 1947, Serial No. 531,050. Published Oct. 19, 1948. Class 46.

506,456. MEDICINAL PREPARATION CONTAINING MINERAL OIL, ETC. J. B. ROBBIG AND COMPANY, Chicago, Ill.
Filed Aug. 12, 1947, Serial No. 531,154. Published Sept. 21, 1948. Class 6.

506,457. DRIED FRUITS. ROSS PACKING CO., Selah, Wash.
Filed Aug. 13, 1947, Serial No. 531,247. Published Oct. 19, 1948. Class 46.

506,458. VARNISH AND CLEAR VARNISH SEALER. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa.
Filed Aug. 14, 1947, Serial No. 531,382. Published Oct. 19, 1948. Class 16.

506,459. MIXTURE OF PAINT OILS FOR INHIBITING OXIDATION OF METALS. JAMES B. SIPE AND COMPANY, Pittsburgh, Pa.
Filed Aug. 14, 1947, Serial No. 531,383. Published Oct. 19, 1948. Class 16.

506,460. TIRE AND TUBE REPAIR KITS CONSISTING OF RUBBER PATCHES, TAPES, SECTIONS, SHEETS, AND BOOTS. INLAND RUBBER CORPORATION, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,602. Published Oct. 26, 1948. Class 35.

506,461. RUBBER PIPE-COUPLER RINGS, RUBBER SHEET-PACKING, RUBBER PUMP-VALVES, RUBBER HOSE, AND RUBBER BELTING. RAYBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Aug. 16, 1947, Serial No. 531,619. Published May 11, 1948. Class 35.

506,462. WOOD FLOOR SEAL AND FINISH IN THE NATURE OF A VARNISH, WOOD FLOOR SEAL, WATER EMULSION FLOOR WAX, AND CHEMICAL PREPARATION IN POWDERED FORM FOR REMOVING PAINT AND FINISHES. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Aug. 19, 1947, Serial No. 531,780. Published Oct. 19, 1948. Class 16.

506,463. PAINT SOLD IN LIQUID FORM. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed Aug. 19, 1947, Serial No. 531,827. Published Oct. 19, 1948. Class 16.

506,464. PAINT ENAMEL. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed Aug. 19, 1947, Serial No. 531,828. Published Oct. 19, 1948. Class 16.

506,465. COLOGNE. RICHARD HUDNUT, New York, N. Y.
Filed Aug. 23, 1947, Serial No. 532,225. Published Sept. 14, 1948. Class 6.

506,466. COLOGNE. RICHARD HUDNUT, New York, N. Y.
Filed Aug. 23, 1947, Serial No. 532,226. Published Sept. 14, 1948. Class 6.

506,467. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, EARRINGS, CLIPS, ETC. TRIFARI, KRUSSMAN & FISHEL, INC., New York, N. Y.
Filed Aug. 25, 1947, Serial No. 532,383. Published Nov. 2, 1948. Class 28.

506,468. SORGHUM SIRUP. WACONIA SORGHUM COMPANY, Cedar Rapids, Iowa.
Filed Aug. 26, 1947, Serial No. 532,530. Published Oct. 19, 1948. Class 46.

506,469. WALL-ATTACHED AND CEILING-ATTACHED ELECTRIC LIGHT FIXTURES AND ELECTRIC AIR HEATERS FOR DOMESTIC USE. MARKEL ELECTRIC PRODUCTS, INC., Buffalo, N. Y.
Filed Aug. 27, 1947, Serial No. 532,617. Published Nov. 2, 1948. Class 21.

506,470. PAINT SOLD IN PASTE FORM. PATEK BROTHERS, INC., Milwaukee, Wis.
Filed Aug. 29, 1947, Serial No. 532,867. Published Oct. 19, 1948. Class 16.

506,471. MEDICATED CREAM-LIKE SUBSTANCE FOR USE IN THE TREATMENT OF CORNS AND CALLOUSES. COLORADO CHEMICAL COMPANY, Denver, Colo.
Filed Aug. 30, 1947, Serial No. 532,911. Published Sept. 28, 1948. Class 6.

506,472. ELECTRIC LAMPS — NAMELY, FLOOR LAMPS, BRIDGE LAMPS, BED LAMPS, TABLE LAMPS, AND ELECTRIC LIGHTING FIXTURES—NAMELY, CHANDELIERS, CEILING LIGHTS, ETC. LIGHTOLIER, INCORPORATED, New York, N. Y.
Filed Aug. 30, 1947, Serial No. 532,942. Published Oct. 26, 1948. Class 21.

506,473. FLEXIBLE OUTPUT CONDUCTORS FOR AUDIO AMPLIFIERS WORN ON THE HUMAN BODY, SPECIFICALLY CORDS FOR HEARING AIDS. THE MAICO COMPANY, INCORPORATED, Minneapolis, Minn.
Filed Aug. 30, 1947, Serial No. 532,946. Published Nov. 2, 1948. Class 44.

506,474. EDUCATIONAL GAMES IN THE NATURE OF BOOKLETS WITH NUMBERED SQUARES. ELSADA MEARS HATTENHAUER, doing business as Modern Educational Publishers, Chicago, Ill.
Filed Sept. 2, 1947, Serial No. 533,019. Published Oct. 12, 1948. Class 22.

506,475. DIATOMACEOUS EARTH FOR USE AS SURFACE COVERING IN POULTRY YARDS. CHICK BED COMPANY, Cedar Rapids, Iowa.
Filed July 5, 1947, Serial No. 533,442. Published Nov. 2, 1948. Class 1.

506,476. HOLDERS FOR RETAINING ELECTRON EMISSION TUBES USED IN RADIO RECEIVERS AND IN OTHER ELECTRONIC CIRCUITS AGAINST ESCAPE FROM TUBE SOCKETS. EDWARD F. STAVER, doing business as Staver Mfg. Co., Jackson Heights, N. Y.
Filed Sept. 10, 1947, Serial No. 534,063. Published Nov. 2, 1948. Class 21.

506,477. SHIELDS FOR USE ON ELECTRON EMISSION TUBES EMPLOYED IN RADIO RECEIVERS AND IN ELECTRONIC CIRCUITS IN GENERAL. EDWARD F. STAVER, doing business as Staver Mfg. Co., Jackson Heights, N. Y.
Filed Sept. 10, 1947, Serial No. 534,064. Published Nov. 2, 1948. Class 21.

506,478. PISTON RINGS, PISTON RING EXPANDERS, AND BEARING SHIMS. MCQUAY-NORRIS MANUFACTURING CO., St. Louis, Mo.
Filed Sept. 11, 1947, Serial No. 534,169. Published Oct. 26, 1948. Class 35.

506,479. VARNISHES, JAPANS, READY-MIXED PAINTS, PAINT ENAMELS, BRONZING LIQUIDS, OIL STAINS, VARNISH STAINS AND WOOD PENETRATING STAINS, LIQUID AND PASTE DRYERS FOR PAINT AND VARNISH, LIQUID AND PASTE FILLERS FOR WOOD, COLORS IN OIL LACQUERS, PREPARED SHELLAC, SHELLAC SUBSTITUTES, AND OIL FINISH VARNISH. CLOVER LEAF PAINT & VARNISH CORPORATION, Long Island City, N. Y.
Filed Sept. 12, 1947, Serial No. 534,243. Published Oct. 19, 1948. Class 16.

506,480. LEAHTER BELTING. HOLYOKE BELTING COMPANY, Holyoke, Mass.
Filed Sept. 12, 1947, Serial No. 534,286. Published Nov. 2, 1948. Class 35.

506,481. COLOGNE. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio.
Filed Sept. 15, 1947, Serial No. 534,535. Published Oct. 26, 1948. Class 6.

506,482. ARTICLES AND PRODUCTS FOR ELECTRICAL PURPOSES AND CONSISTING EITHER WHOLLY OR IN PART OF CARBON OR GRAPHITE, ETC. SPEER CARBON COMPANY, Saint Marys, Pa.
Filed Sept. 15, 1947, Serial No. 534,563. Published Nov. 2, 1948. Class 21.

506,483. HYDRAULIC SHOCK ABSORBER FLUID AND HYDRAULIC BRAKE FLUID. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed Sept. 16, 1947, Serial No. 534,702. Published Sept. 28, 1948. Class 6.

506,484. WINDSHIELD WIPERS FOR AUTOMOBILES AND TRUCKS. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed Sept. 16, 1947, Serial No. 534,703. Published Oct. 12, 1948. Class 19.

506,485. FRESH CANTALOUPES. FAZIO BROS., Fresno, Calif.
Filed Sept. 19, 1947, Serial No. 535,013. Published Oct. 19, 1948. Class 46.

506,486. NOSE DROPS, ANTIPYRETIC TABLETS, VAPOR INHALANT, COUGH MEDICINE, LAXATIVE TABLETS, CHEST RUB, SKIN LOTION, ASPIRIN, ETC. MEDICINE FOR CHILDREN, INCORPORATED, San Francisco, Calif.
Filed Sept. 19, 1947, Serial No. 535,061. Published Sept. 14, 1948. Class 6.

506,487. PRE-COOKED CEREAL WITH PAPAYA. WYETH INCORPORATED, Philadelphia, Pa.
Filed Sept. 20, 1947, Serial No. 535,209. Published Oct. 19, 1948. Class 46.

506,488. VARNISHES. THE BISSELL VARNISH COMPANY, Bridgeport, Conn.
Filed Sept. 23, 1947, Serial No. 535,295. Published Oct. 19, 1948. Class 16.

506,489. MEDICINAL PREPARATION USED AS A NERVE SEDATIVE. OD PEACOCK SULTAN COMPANY, St. Louis, Mo.
Filed Sept. 23, 1947, Serial No. 535,343. Published Sept. 28, 1948. Class 6.

506,490. HAND LOTIONS OR CREAMS. JOHN B. RESPONDEK, doing business as Gloria Fay, Detroit, Mich.
Filed Sept. 23, 1947, Serial No. 535,350. Published Oct. 26, 1948. Class 6.

506,491. COMBINATION HAND TOOL INCLUDING A STEEL WOOL PAD FOR USE IN CLEANING AND POLISHING FLOORS. E. L. BRUCE Co., Memphis, Tenn.
Filed Sept. 24, 1947, Serial No. 535,471. Published Oct. 5, 1948. Class 29.

506,492. DOG FOOD. HILL PACKING COMPANY, Topeka, Kans.
Filed Sept. 24, 1947, Serial No. 535,528. Published Oct. 19, 1948. Class 46.

506,493. DOLLS. IDEAL NOVELTY & TOY CO., Hollis, N. Y.
Filed Sept. 24, 1947, Serial No. 535,530. Published Oct. 5, 1948. Class 22.

506,494. ELECTRIC CABLE. THE OKONITE COMPANY, Passaic, N. J.
Filed Sept. 24, 1947, Serial No. 535,591. Published Nov. 2, 1948. Class 21.

506,495. TAMPONS. MIRIAM E. RABELL, Waterbury, Conn.
Filed Sept. 24, 1947, Serial No. 535,623. Published Nov. 2, 1948. Class 44.

506,496. FRESH VEGETABLES. ELMORE & STAHL, Pharr, Tex.
Filed Sept. 25, 1947, Serial No. 535,693. Published Oct. 19, 1948. Class 46.

506,497. DOUCHE DEVICES, TUBULAR RUBBER SLEEVES WITH CONICAL PROJECTIONS FOR USE AS MASSAGE PADS, AND HOT WATER BOTTLES. P. B. COW & CO. LIMITED, London, England.
Filed Sept. 26, 1947, Serial No. 535,820. Published Nov. 2, 1948. Class 44.

506,498. SHAMPOO IN CREAM FORM. THE HENNAFOAM CO., New York, N. Y.
Filed Sept. 27, 1947, Serial No. 535,959. Published Oct. 26, 1948. Class 6.

506,499. CANNED SALMON. SEEMAN BROTHERS, INC., New York, N. Y.
Filed Sept. 30, 1947, Serial No. 536,298. Published Oct. 19, 1948. Class 46.

506,500. FIXED AND VARIABLE TRANSFORMERS—NAMELY, MINIATURE TRANSFORMERS; REACTORS—NAMELY, AUDIO AND POWER REACTORS FOR RADIO, ETC. STANDARD TRANSFORMER CORPORATION, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,458. Published Oct. 26, 1948. Class 21.

506,501. ASSORTED CANDIES. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Oct. 3, 1947, Serial No. 536,661. Published Oct. 19, 1948. Class 46.

506,502. LIVING ROOM, BEDROOM, AND OTHER TYPES OF HOUSEHOLD CHAIRS. O'HEARN MANUFACTURING COMPANY, Gardner, Mass.
Filed Oct. 3, 1947, Serial No. 536,710. Published Oct. 19, 1948. Class 32.

506,503. VENETIAN BLINDS. THE DICKEY MANUFACTURING COMPANY, Toledo, Ohio.
Filed Oct. 4, 1947, Serial No. 536,772. Published Oct. 19, 1948. Class 32.

506,504. PREPARATION FOR AIDING IN WHIPPING CREAM. MARLON M. DISLER, doing business as The Disler Products Co., Canton, Ohio.
Filed Oct. 7, 1947, Serial No. 537,021. Published Oct. 19, 1948. Class 46.

506,505. AUDIO FREQUENCY AMPLIFIERS COMPRISING ASSEMBLED UNITS FOR AMPLIFYING ELECTRIC SIGNALS, AUDIO FREQUENCY TRANSFORMERS, ETC. WEBSTER ELECTRIC COMPANY, Racine, Wis.
Filed Oct. 8, 1947, Serial No. 537,260. Published Oct. 26, 1948. Class 21.

506,506. PERFUMES AND ESSENTIAL OILS USED IN THE MANUFACTURE OF PERFUME AND LIKE PRODUCTS. VAN AMERINGEN-HAEBLER, INC., New York, N. Y.
Filed Oct. 9, 1947, Serial No. 537,378. Published Sept. 28, 1948. Class 6.

506,507. STORAGE TANKS. THE HEIL CO., Milwaukee, Wis.
Filed Oct. 13, 1947, Serial No. 537,690. Published Nov. 2, 1948. Class 2.

506,508. ELECTRICAL STATIC FREQUENCY CONVERTERS. LORAIN PRODUCTS CORPORATION, Lorain, Ohio.
Filed Oct. 15, 1947, Serial No. 537,910. Published Nov. 2, 1948. Class 21.

506,509. PAINT ENAMEL. CHICAGO PAINTS, INC., Chicago, Ill.
Filed Oct. 20, 1947, Serial No. 538,362. Published Oct. 19, 1948. Class 16.

506,510. SEEDS—NAMELY, TIMOTHY, CLOVER, ALSIKE, ALFALFA, REDTOP, BLUE GRASSES, RAPE, VETCHES, AMBER CANE, PEAS, BEANS, MILLETS, POPCORN, GRASS SEEDS, SEED CORN, AND SEED GRAINS. THE STANDARD SEED COMPANY, INC., Buffalo, N. Y.
Filed Oct. 21, 1947, Serial No. 538,568. Published Oct. 26, 1948. Class 1.

506,511. CHAIRS AND FOLDING CHAIRS, COTS, STOOLS, SAND CHAIRS, BEACH PADS, STADIUM SEATS OR BACK RESTS, AND BOAT SEATS OR BACK RESTS. "TAKE-ALONG" TRAVEL CHAIR COMPANY, Thomasville, Ga.
Filed Oct. 21, 1947, Serial No. 538,572. Published Oct. 5, 1948. Class 32.

506,512. WHITE PAINT ENAMEL FOR EXTERIOR OR INTERIOR USE. M. J. MERKIN PAINT CO., INC., New York, N. Y.
Filed Oct. 25, 1947, Serial No. 539,069. Published Oct. 19, 1948. Class 16.

506,513. PAINT IN PASTE AND LIQUID FORM. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill.
Filed Oct. 28, 1947, Serial No. 539,276. Published Oct. 19, 1948. Class 16.

506,514. MOUNTINGS FOR JEWELRY FOR PERSONAL WEAR, ETC. FEATURE RING CO., INC., New York, N. Y.
Filed Nov. 1, 1947, Serial No. 539,866. Published Nov. 2, 1948. Class 28.

506,515. PACKAGE CONTAINING A GALVANICALLY ACTIVE METAL ANODE ENCASED IN AN ELECTROLYTICALLY CONDUCTIVE BACKFILL COMPOSITION USEFUL IN THE CATHODIC PROTECTION OF UNDERGROUND FERROUS METAL STRUCTURES. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed Nov. 4, 1947, Serial No. 540,065. Published Oct. 26, 1948. Class 21.

506,516. ELECTRICALLY HEATED APPARATUS—NAMELY, GLUE POTS, GLUE MELTERS, WAX POTS, ETC. THE STA-WARM ELECTRIC COMPANY, Ravenna, Ohio.
Filed Nov. 6, 1947, Serial No. 540,332. Published Nov. 2, 1948. Class 21.

506,517. PHARMACEUTICAL FOR PREPARATION OF ASTRINGENT, CLEANSING SOLUTIONS FOR MEDICINAL USE IN LAVAGE OF BODY CAVITIES AND IRRIGATION OF WOUNDS. WALLACE & TIERNAN PRODUCTS, INCORPORATED, Belleville, N. J.
Filed Nov. 6, 1947, Serial No. 540,344. Published Sept. 21, 1948. Class 6.

506,518. VARNISHES. BLUE RIBBON PAINT COMPANY, Wheeling, W. Va.
Filed Nov. 7, 1947, Serial No. 540,369. Published Oct. 19, 1948. Class 16.

506,519. COLOSTOMY IRRIGATORS AND COLOSTOMY PROTECTORS. COLOSTOM-EASE, INC., Pittsburgh, Pa.
Filed Nov. 7, 1947, Serial No. 540,388. Published Oct. 26, 1948. Class 44.

506,520. ATHLETIC SUPPORTERS. THE KENDALL COMPANY, Boston, Mass.
Filed Nov. 12, 1947, Serial No. 540,629. Published Oct. 19, 1948. Class 44.

506,521. INSECTICIDES IN POWDER FORM USED FOR THE CONTROL OF INSECTS; CHEMICALS FOR KILLING NOXIOUS WEEDS AND PLANTS AND LIQUID CHEMICAL COMPOSITIONS FOR USE AS AN INSECTICIDE. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich.
Filed Nov. 12, 1947, Serial No. 540,850. Published Nov. 2, 1948. Class 6.

506,522. TOILET POWDER CAKES, ROUGE, LIPSTICKS, EYEBROW PENCILS AND PERFUME. THE NAPIER COMPANY, Meriden, Conn.
Filed Nov. 12, 1947, Serial No. 540,852. Published Oct. 26, 1948. Class 6.

506,523. WOOL TOPS. HARRIS RESEARCH LABORATORIES, Washington, D. C.
Filed Nov. 13, 1947. CERTIFICATION MARK. Serial No. 540,996. Published Sept. 21, 1948. Class 1.

506,524. FRESH APPLES. ROTHWELL-GATRELL FRUIT CO. INC., Martinsburg, W. Va.
Filed Nov. 14, 1947, Serial No. 541,184. Published Oct. 19, 1948. Class 46.

506,525. BRACELETS, BROOCHES, EARRINGS, NECKLACES, AND FINGER RINGS MADE OF GOLD AND SILVER, SOLID AND PLATED HOLLOWWARE, COMPACTS MADE FROM PRECIOUS AND PLATED METAL. S. & G. GUMP COMPANY, San Francisco, Calif.
Filed Nov. 15, 1947. Serial No. 541,293. Published Nov. 2, 1948. Class 28.

506,526. COFFEE. HAAS, BARUCH & CO., Los Angeles, Calif.
Filed Nov. 15, 1947, Serial No. 541,296. Published Oct. 19, 1948. Class 46.

506,527. WATCHES AND CLOCKS. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,301. Published Oct. 26, 1948. Class 27.

506,528. CLOCKS OPERATED BY ELECTRO-MOTIVE POWER. JAEGER WATCH COMPANY, INC., New York, N. Y.
Filed Nov. 15, 1947, Serial No. 541,302. Published Oct. 26, 1948. Class 27.

506,529. LIQUID COMPOSITION OF MATTER EMPLOYED AS A TREATING AND TANNING AGENT IN THE MANUFACTURE OF LEATHER FROM HIDES AND SKINS. ROBESON PROCESS COMPANY, New York, N. Y.
Filed Nov. 17, 1947, Serial No. 541,462. Published Oct. 26, 1948. Class 6.

506,530. LIFTING MAGNETS USED FOR HOISTING LOADS, AND ELECTRIC MOTORS. THE OHIO ELECTRIC MFG. COMPANY, Cleveland, Ohio.
Filed Nov. 19, 1947, Serial No. 541,697. Published Oct. 26, 1948. Class 21.

506,531. COAL AND COKE. VINTON COAL & COKE COMPANY, Vintondale, Pa.
Filed Oct. 20, 1947, Serial No. 541,749. Published Oct. 26, 1948. Class 1.

506,532. CANNED CHOCOLATE MILK. BROTMAN ASSOCIATES, INC., San Francisco, Calif.
Filed Nov. 20, 1947, Serial No. 541,805. Published Oct. 19, 1948. Class 46.

506,533. CHEMICALS FOR INDUSTRIAL AND OTHER USES, SUCH AS PLASTICIZERS, ETC. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,810. Published Sept. 21, 1948. Class 6.

506,534. FOR WOVEN FABRICS IN THE PIECE, OF RAYON YARNS. ABE SANDHAUS, New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,887. Published Oct. 19, 1948. Class 42.

506,535. INSECTICIDES. PACIFIC GUANO COMPANY, Berkeley, Calif.
Filed Nov. 21, 1947, Serial No. 541,957. Published Oct. 26, 1948. Class 6.

506,536. FINGER RINGS, FINGER RING SETTINGS, BROOCHES, JEWELLED CLIPS, PENDANTS, EARRINGS, BRACELETS, AND NECKLACES. JABEL RING MANUFACTURING CO., Newark, N. J.
Filed Nov. 24, 1947, Serial No. 542,140. Published Nov. 2, 1948. Class 28.

506,537. DENTAL SPECIALTIES—NAMELY, SANDPAPER DISKS, SEPARATING-DISKS, ABRASIVE WHEELS, GARNET-PAPER CONES, AND ABRASIVE ARBOR BANDS. DELONG & PREVOST, INC., Worcester, Mass.
Filed Aug. 22, 1947, Serial No. 542,245. Published Oct. 26, 1948. Class 44.

506,538. PERFUME, COLOGNE, DEODORANT, LIPSTICK, FACE POWDER, BRILLIANTINE, HAND LOTION, AND BODY SACHET. CONSOLIDATED COSMETICS, Chicago, Ill., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership composed of James L. Younghusband and Howard Younghusband.
Filed Nov. 28, 1947, Serial No. 542,536. Published Nov. 2, 1948. Class 6.

506,539. PRESSURE RESPONSIVE CONTROL APPARATUS FOR HEATING OR OTHER AIR CONDITION CHANGING SYSTEMS. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed Nov. 28, 1947, Serial No. 542,626. Published Oct. 19, 1948. Class 26.

506,540. FRESH CITRUS FRUITS. OJAI ORANGE ASSOCIATION, Ojai, Calif.
Filed Nov. 28, 1947, Serial No. 542,642. Published Oct. 19, 1948. Class 46.

506,541. HAIR LOTION, HAIR TONIC, SHAMPOO, AND WAVE LOTION. FRANK AME, doing business as Ame Cosmetic Company, New Haven, Conn.
Filed Dec. 3, 1947, Serial No. 543,049. Published Sept. 28, 1948. Class 6.

506,542. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,100. Published Oct. 19, 1948. Class 42.

506,543. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,101. Published Oct 19, 1948. Class 42.

506,544. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,102. Published Oct 19, 1948. Class 42.

506,545. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,121. Published Oct 19, 1948. Class 42.

506,546. THERAPEUTIC VIBRATORS. SCOVILL MANUFACTURING COMPANY, Racine, Wis., and Waterbury, Conn.
Filed Oct. 7, 1947, Serial No. 543,364. Published Oct. 26, 1948. Class 44.

506,547. SPONGES. S. M. ARNOLD, INC., St. Louis, Mo.
Filed Dec. 5, 1947, Serial No. 543,406. Published Oct. 26, 1948. Class 1.

506,548. VINYL POLYMERS BEING IN THE NATURE OF POLYVINYL ALCOHOLS AND PARTIALLY ESTERIFIED POLYVINYL ALCOHOLS, FOR GENERALIZED USE IN THE INDUSTRIAL ARTS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Dec. 6, 1947, Serial No. 543,576. Published Oct. 26, 1948. Class 1.

506,549. VITAMIN FOOD SUPPLEMENT FOR LIVESTOCK. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo.
Filed Dec. 6, 1947, Serial No. 543,669. Published Sept. 21, 1948. Class 6.

506,550. FRATERNITY PINS, FINGER RINGS, AND LAPEL BUTTONS MADE IN WHOLE OF, IN PART, OR PLATED WITH PRECIOUS METAL. PHI PSI FRATERNITY, Wolfeboro, N. H.
Filed Dec. 8, 1947, Serial No. 543,738. Published Nov. 2, 1948. Class 28.

506,551. FRATERNITY PINS, FINGER RINGS, AND LAPEL BUTTONS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL. PHI THETA PI FRATERNITY, Des Moines, Iowa.
Filed Dec. 8, 1947, Serial No. 543,739. Published Nov. 2, 1948. Class 28.

506,552. EMULSIFYING, DISPERSING, SOLUBILIZING, AND WETTING AGENTS. ATLAS POWDER COMPANY, Wilmington, Del.
Filed Dec. 10, 1947, Serial No. 543,872. Published Sept. 21, 1948. Class 6.

506,553. PREPARATION TO BE TAKEN FOR RELIEVING DISCOMFORT OF GASTRIC FLATULENCE. KEYSTONE LABORATORIES, INC., Memphis, Tenn.
Filed Dec. 10, 1947, Serial No. 543,938. Published Oct. 5, 1948. Class 6.

506,554. PINE OIL. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed Dec. 10, 1947, Serial No. 543,978. Published Sept. 28, 1948. Class 6.

506,555. BIOLOGICAL IMMUNOGENIC PREPARATION FOR HUMAN USE. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed Dec. 11, 1947, Serial No. 544,122. Published July 27, 1948. Class 6.

506,556. TALCUM POWDER, FACE POWDER, AND MEDICATED POWDER. BO-KAY PERFUME CO., INC., New York, N. Y.
Filed Dec. 20, 1947, Serial No. 544,969. Published Sept. 28, 1948. Class 6.

506,557. BABY COACHES. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed Dec. 22, 1947, Serial No. 545,202. Published Oct. 19, 1948. Class 19.

506,558. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Dec. 23, 1947, Serial No. 545,293. Published Sept. 21, 1948. Class 6.

506,559. ELECTRICAL CURRENT CONVERTER FOR CONVERTING ALTERNATING CURRENT INTO DIRECT CURRENT. AUSTIN W. LAMARCHE, Chicago, Ill.
Filed Dec. 24, 1947, Serial No. 545,377. Published Nov. 2, 1948. Class 21.

506,560. STERLING SILVER FLAT TABLEWARE. ONEIDA LTD., Sherrill and Oneida, N. Y.
Filed Dec. 24, 1947, Serial No. 545,387. Published Oct. 26, 1948. Class 28.

506,561. SUDSING CLEANER, CLEANSER AND DETERGENT. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio.
Filed Dec. 30, 1947, Serial No. 545,741. Published Oct. 26, 1948. Class 4.

506,562. HAIR TONIC, FACE CREAM, TALCUM POWDER, SKIN BALM, AND SCALP BALM. ELIZABETH V. W. BLAKE, Wilmington, Del.
Filed Dec. 31, 1947, Serial No. 545,812. Published Sept. 28, 1948. Class 6.

506,563. RADIO CONTROLLED OPERATORS FOR OPENING AND CLOSING GARAGE DOORS, GATES, AND SIMILAR CLOSURES. RADOR COMPANY, Balboa, Calif.
Filed Jan. 6, 1948, Serial No. 546,325. Published Oct. 26, 1948. Class 21.

506,564. PENICILLIN VAGINAL SUPPOSITORIES. SCHENLEY LABORATORIES, INC., New York, N. Y.
Filed Jan. 21, 1948, Serial No. 547,663. Published Oct. 26, 1948. Class 6.

506,565. INSECTICIDE. MAYFAIR INDUSTRIES, INC., Chicago, Ill.
Filed Jan. 23, 1948, Serial No. 547,861. Published Oct. 26, 1948. Class 6.

506,566. PHARMACEUTICAL PREPARATIONS—NAMELY, HYGIENIC POWDER, VAPOR SALVE USED AS AN INHALANT, ANTISEPTIC SOLUTION, ETC. HYGIENIC PRODUCTIONS INC., Wilmington, Ohio.
Filed Jan. 29, 1948, Serial No. 548,259. Published Nov. 2, 1948. Class 6.

506,567. MOUTH WASH, AND A LOTION FOR THE SKIN. FLOYD N. AVERILL, JR., doing business as Santiseptic Company, Portland, Oreg.
Filed Feb. 2, 1948, Serial No. 548,561. Published Oct. 26, 1948. Class 6.

506,568. FACE POWDER; PREPARATIONS FOR TREATING THE SKIN; TOILET, CLEANSING, VANISHING, AND COLD CREAMS; BEAUTY LOTION; SKIN FRESHENER; DEODORANT COLOGNE; ROUGE, AND LIPSTICK. DAGGETT & RAMSDELL, New York, N. Y., assignor to Daggett & Ramsdell, Inc., New York, N. Y., a corporation of Delaware.
Filed Feb. 4, 1948, Serial No. 548,719. Published Oct. 26, 1948. Class 6.

506,569. INSECTICIDES. BOSTWICK LABORATORIES, INC., Bridgeport, Conn.
Filed Feb. 5, 1948, Serial No. 548,786. Published Oct. 26, 1948. Class 6.

506,570. COUGH SYRUP. HENRI COUTINHO, doing business as The Sintos Co., New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,805. Published Sept. 14, 1948. Class 6.

506,571. MEDICINAL PREPARATION FOR USE IN THE PREVENTION OF DENTAL CARIES. AMPHAC LABORATORIES, INC., Everett, Wash.
Filed Feb. 9, 1948, Serial No. 549,106. Published Nov. 2, 1948. Class 6.

506,572. TOILET PREPARATIONS—NAMELY HAIR TONICS, COCOANUT OIL SHAMPOO, HAIR CREAM OIL, ALL PURPOSE LOTION, TRANSPARENT HAIR LACQUER, ETC. CURLEY COMPANY, INCORPORATED, Philadelphia, Pa.
Filed Feb. 9, 1948. Serial No. 549,131. Published Oct. 26, 1948. Class 6.

506,573. PREPARATIONS FOR THE HAIR AND SCALP—NAMELY, POMADE FOR CLEANSING AND DRESSING THE HAIR, CURLING WAX, HAIR GLOSS, BRILLIANTINE, AND PRESSING OIL. GEORGE D. COLEMAN, Aberdeen, Miss.
Filed Feb. 11, 1948, Serial No. 549,421. Published Sept. 14, 1948. Class 6.

506,574. SOAP. MURPHY LABORATORIES, INC., Clifton Heights, Pa.
Filed Feb. 16, 1948, Serial No. 549,827. Published Oct. 26, 1948. Class 4.

506,575. COVERING FOR BED PADS, MATTRESSES, AND BEDDING, MADE OF FABRIC. THE STANLEY MANUFACTURING CO., INC., Denver, Colo.
Filed Feb. 16, 1948, Serial No. 549,852. Published Oct. 19, 1948. Class 42.

506,576. CARBON PAPER. F. S. WEBSTER COMPANY, Cambridge, Mass.
Filed Mar. 17, 1948, Serial No. 552,196. Published Oct. 26, 1948. Class 11.

506,577. CLEANING COMPOUND FOR GENERAL LAUNDRY PURPOSES. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,297. Published Oct. 19, 1948. Class 4.

506,578. CLEANING COMPOUND FOR GENERAL LAUNDRY, TEXTILE, AND SIMILAR INDUSTRIAL USES. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed Mar. 18, 1948, Serial No. 552,298. Published Oct. 19, 1948. Class 4.

506,579. SHEETS, PILLOW CASES, AND COTTON AND RAYON TEXTILE FABRICS BY THE YARD AND IN THE BOLT. THE SPRINGS COTTON MILLS, Lancaster, S. C.
Filed Apr. 14, 1948, Serial No. 554,621. Published Oct. 19, 1948. Class 42.

506,580. SHEETS, PILLOW CASES, AND COTTON AND RAYON TEXTILE FABRICS BY THE YARD AND IN THE BOLT. THE SPRINGS COTTON MILLS, Lancaster, S. C.
Filed Apr. 14, 1948, Serial No. 554,623. Published Oct. 19, 1948. Class 42.

506,581. SHEETS, PILLOW CASES, AND COTTON AND RAYON TEXTILE FABRICS BY THE YARD AND IN THE BOLT. THE SPRINGS COTTON MILLS, Lancaster, S. C.
Filed Apr. 14, 1948, Serial No. 554,624. Published Oct. 19, 1948. Class 42.

506,582. ENZYME PREPARATION ESPECIALLY FOR THE PRODUCTION OF ALCOHOL FOR INDUSTRIAL OR BEVERAGE USE. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed May 26, 1948, Serial No. 557,878. Published Oct. 12, 1948. Class 6.

506,583. STEELWOOL AND STEEL SHAVINGS FOR CLEANING PURPOSES. RONUK, LIMITED, Portslade, England.
Filed June 14, 1948, Serial No. 559,182. Published Oct. 19, 1948. Class 4.

506,584. TOILET SOAPS. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed July 8, 1948, Serial No. 560,906. Published Oct. 26, 1948. Class 4.

506,585. INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES FOR GENERAL WASHING PURPOSES. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,893. Published Nov. 2, 1948. Class 4.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

505,586. Issued as a registration in the OFFICIAL GAZETTE of January 18, 1949.

505,587. Issued as a registration in the OFFICIAL GAZETTE of January 18, 1949.

506,588. (CLASS 19. VEHICLES.) FRITZSCHE TIRE & RELINER COMPANY, Chicago, Ill. Filed Sept. 28, 1948; originally filed, act of 1905, May 29, 1947, Serial No. 523,257.

FRISCO

FOR COMPOSITION RUBBER AND FABRIC AUTOMOBILE MAT PADS.
Claims use since Mar. 15, 1947.

506,589. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WESTERFIELD PHARMACAL CO. INC., Dayton, Ohio. Filed July 17, 1948; originally filed, act of 1905, June 2, 1947, Serial No. 523,447.

WESTERFIELD

FOR CHEMICAL TEST SETS FOR DETECTING PREGNANCY BY MEANS OF A SERIES OF CHEMICAL REAGENTS ADDED TO URINE; CHEMICAL TEST SETS FOR DETECTING ALBUMIN IN URINE; CHEMICAL TEST SETS FOR DETECTING GLUCOSE IN URINE; CHEMICAL TEST SETS FOR DETECTING ACETONE IN URINE.
Claims use since Aug. 1, 1945.

506,590. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HOOVER COMPANY, North Canton, Ohio. Filed June 23, 1948, Serial No. 527,121.

HOOVER

Applicant claims ownership of registrations Nos. 130,756, 165,890, and 377,138.
FOR ELECTRIC MOTORS.
Claims use since September 1946.

506,591. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SWITCHCRAFT, INC., Chicago, Ill. Filed Oct. 20, 1948, Serial No. 527,328.

SWITCHCRAFT

FOR ELECTRICAL GOODS — NAMELY, PHONE JACKS, PHONE PLUGS, ROTARY SWITCHES, PUSH BUTTON SWITCHES, STACK SWITCHES, SWITCH ASSEMBLIES, AND PARTS THEREFOR.
Claims use since Mar. 6, 1946.

506,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PAGE MILK CO., Merrill, Wis. Filed June 2, 1948, Serial No. 532,485.

MARSHALL

Applicant claims ownership of registration No. 276,905.
FOR EVAPORATED MILK.
Claims use since Feb. 19, 1929.

506,593. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) SAMUEL EHRMAN & CO., INC., New York, N. Y. Filed Feb. 25, 1948, Serial No. 533,150.

GENUINE
Korde'Lace

Applicant claims ownership of registration No. 304,020.
FOR LACES IN THE PIECE.
Claims use since Jan. 4, 1932.

506,594. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Oct. 21, 1948, Serial No. 533,379.

"KEY-LOK"

FOR BRAKE LININGS AND BRAKE BLOCKS.
Claims use since March 1945.

506,595. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Sept. 13, 1947, Serial No. 534,352.

ROCKWELL

Applicant claims ownership of registrations Nos. 428,477, 428,478 and 428,699.
FOR SANDING KITS CONTAINING INDIVIDUAL CONTAINERS OF CEMENT AND ASSORTED GRADES OF ABRASIVE GRIT FOR PRODUCING SANDING BLOCKS.
Claims use since Dec. 13, 1945.

506,596. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) DYNAMIC ELECTRONICS-NEW YORK, INC., New York, N. Y. Filed Nov. 5, 1948, Serial No. 535,948.

REMOTELEVISION

FOR TELEVISION RECEIVERS.
Claims use since Sept. 10, 1947.

506,597. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) DYNAMIC ELECTRONICS-NEW YORK, INC., New York, N. Y., assignor to Hotelevision Inc., New York, N. Y., a corporation of New York. Filed Nov. 5, 1948, Serial No. 535,944.

HOTELEVISION

FOR TELEVISION RECEIVERS.
Claims use since Sept. 10, 1947.

506,598. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) L. R. STONE COMPANY, INC., Los Angeles, Calif. Filed Nov. 2, 1948, Serial No. 537,484.

The consent from Xavier Cugat to use the name "Cugat's" and the caricatures as shown is filed herewith.
FOR NOUGAT CANDY.
Claims use since Sept. 2, 1947.

506,599. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE SEAMLESS RUBBER COMPANY, New Haven, Conn. Filed Sept. 16, 1948, Serial No. 542,886.

EVEREADY

FOR NURSING BOTTLES.
Claims use since July 16, 1946.

506,600. (CLASS 32. FURNITURE AND UPHOLSTERY.) STAFFIN LEWIS CORP., Brooklyn, N. Y. Filed Dec. 1, 1947, Serial No. 542,889.

"Staffin"

FOR CRIB PADS AND MATTRESSES.
Claims use since Apr. 9, 1946.

506,601. (CLASS 32. FURNITURE AND UPHOLSTERY.) STAFFIN LEWIS CORP., Brooklyn, N. Y. Filed Dec. 1, 1947, Serial No. 542,890.

"Staffin Johns"

FOR CRIB PADS AND MATTRESSES.
Claims use since Apr. 9, 1946.

506,602. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEGGETT & PLATT, INC., Carthage, Mo. Filed Dec. 9, 1947, Serial No. 543,817.

The Main Springs of Rest

Applicant claims ownership of registration No. 273,875.
FOR BED-SPRINGS.
Claims use since Jan. 31, 1921.

506,603. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) CHARLES P. WILSER, doing business as Wilser Mfg. Co., Kansas City, Mo. Filed Sept. 16, 1948; originally filed, act of 1905, July 1, 1946, Serial No. 504,956.

HEAR-SAY

FOR INTERCOMMUNICATING SYSTEMS OF TELEPHONIC TYPE AND FOR INTER-OFFICE USE SOLD AS A UNIT, AND PARTS THEREOF.
Claims use since June 25, 1946.

506,604. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MEDLEY DISTILLING COMPANY, Owensboro, Ky. Filed Mar. 19, 1948; originally filed, act of 1905, May 20, 1947, Serial No. 522,732.

MELLOW
DEW

FOR WHISKEY.
Claims use since Mar. 6, 1947.

Service Marks

506,605. (CLASS 55. SERVICES.) MID-CONTINENT AIRLINES, INC., Kansas City, Mo. Filed Sept. 29, 1948, Serial No. 535,253.

Serving the Heart of America

FOR THE OPERATION OF AIRLINES AND THE TRANSPORTATION OF PASSENGERS, FREIGHT, AND MAIL IN THE CONDUCT OF SUCH SERVICES.
Claims use since July 1, 1945.

TRADE-MARK REGISTRATIONS RENEWED

31,818. "PEERLESS" ETC. ENCLOSED BY DIAMOND-SHAPED DESIGN. Registered July 19, 1898. Peerless Carbon Black Company, Limited. Re-renewed July 19, 1948, to The Peerless Carbon Black Company, Pittsburgh, Pa., a corporation of West Virginia. CARBON-BLACKS. Classes 1, 11, and 16.

32,595. "R.E.R" ETC. AND CIRCULAR DESIGN. Registered Mar. 14, 1899. Baltimore Copper Smelting and Rolling Company, Baltimore, Md. Re-renewed Mar. 14, 1949, to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey. COPPER MANUFACTURES. Classes 13 and 14.

32,800. C. H. WINTERSMITH. Registered May 2, 1899. Arthur Peter & Co. Re-renewed May 2, 1949, to Wintersmith Chemical Company, Louisville, Ky., a corporation of Kentucky. PILLS, TONICS, OINTMENTS, OR LOTIONS. Class 6.

66,265. "ANTIUSTIO" AND DESIGN. Registered Nov. 26, 1907. The Frederick Laboratory. Re-renewed Nov. 26, 1947, to Frederick N. Garrard, Jr., doing business as The Frederick Laboratory, Toledo, Ohio. AN UNGUENT OR SALVE FOR MEDICINAL USES. Class 6.

71,217. "UNION COMET SQUARE" ETC. AND DESIGN. Registered Nov. 10, 1908. The Union Bag & Paper Company. Re-renewed Nov. 10, 1948, to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey. PAPER BAGS. Class 2.

71,599. OSWEGO. Registered Dec. 1, 1908. National Starch Co., Jersey City, N. J., and Oswego, N. Y. Re-renewed Dec. 1, 1948, to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey. LAUNDRY STARCH. Class 6.

71,902. PAT-A-CAKE. Registered Dec. 22, 1908. Peek, Frean & Co., Limited, London, England, a British Company. Re-renewed Dec. 22, 1948. BISCUITS. Class 46.

72,271. "RED RUBY" ETC. AND DESIGN. Registered Jan. 12, 1909. H. Fendrich. Re-renewed Jan. 12, 1949, to H. Fendrich, Inc., Evansville, Ind., a corporation of Indiana. CIGARS. Class 17.

72,465. DE—PI. Registered Jan. 26, 1909. Wester Bros. Re-renewed Jan. 26, 1949, to Herbert Wester, doing business as Wester Bros., New York, N. Y. POCKET-KNIVES, SCISSORS, AND RAZORS. Class 22.

72,686. "KEYSTONE" AND DESIGN. Registered Feb. 9, 1909. Keystone Varnish Company, Brooklyn, N. Y., a corporation of New York. Re-renewed Feb. 9, 1949. FLAT WALL FINISHES, ENAMELS, AND VARNISHES. Class 16.

73,396. RISISTO. Registered Apr. 13, 1909. The Paraffine Paint Co. Re-renewed Apr. 13, 1949, to The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware. ASPHALT-BASE PAINTS FOR USE ON PREPARED AND METAL ROOFINGS, ETC. Class 16.

149,702. MINERVA. Registered Dec. 20, 1921. Minerva Motors, Antwerp, Belgium. Renewed Dec. 20, 1941 (as provided by P. L. 517, July 17, 1946), to Societe Nouvelle Minerva, S. A., Liege, Belgium, a corporation organised under the laws of the Kingdom of Belgium. TRANSMISSION APPARATUS AND EXPLOSION-MOTORS FOR MOTORCARS, MOTORCYCLES AND AEROPLANES. Class 23.

149,703. MINERVA. Registered Dec. 20, 1921. Minerva Motors, Antwerp, Belgium. Renewed Dec. 20, 1941 (as provided by P. L. 517, July 17, 1946), to Societe Nouvelle Minerva, S. A., Liege, Belgium, a corporation organised under the laws of the Kingdom of Belgium. AUTOMOBILES AND CHASSIS FOR AUTOMOBILES, BICYCLES, AND AEROPLANES. Class 19.

155,545. "THREE TORCHES" ETC. AND DRAWING. Registered May 30, 1922. Union Allumettiere Societe Anonyme. Renewed May 30, 1942 (as provided by P. L. 517, July 17, 1946), to Union Allumettiere S. A., Brussels, Belgium, a corporation of Belgium. MATCHES OF ALL KINDS. Class 9.

216,809. HOUSEHOLD. Registered Aug. 24, 1926. The New Home Sewing Machine Company, New York, N. Y. Renewed Aug. 24, 1946, to The New Home Sewing Machine Company, Rockford, Ill., a corporation of Illinois. SEWING MACHINES. Class 23.

231,276. ARTOFEX. Registered Aug. 16, 1927. F. Aeschbach, S. A., Aarau, Switzerland, a corporation organized under the laws of Switzerland. Renewed Aug. 16, 1947. MACHINES FOR BAKERIES AND CONFECTIONERIES, PARTICULARLY KNEADING MACHINES FOR MIXING, AND PARTS OF SUCH MACHINES. Class 23.

239,288. ROLY POLY. Registered Feb. 28, 1928. James Franklin Brown, doing business as The Roly Poly Co., Cincinnati, Ohio. Renewed Feb. 28, 1948, to Hollywood Brands, Inc., Centralia, Ill., a corporation of Minnesota. BARLEY, RICE, CANNED BEANS, ETC. Class 46.

240,524. "TWIN DISC CLUTCHES" AND DESIGN. Registered Mar. 27, 1928. Twin Disc Clutch Company, Racine, Wis., a corporation of Wisconsin. Renewed Mar. 27, 1948 (SUPPLEMENTAL REGISTER). CLUTCHES. Class 23.

242,588. GEM-TAILORED LIKE DADDY'S. Registered May 29, 1928. Gem Clothing Co. Renewed May 29, 1948, to Louis Gastwirth & Co., New York, N. Y., a limited partnership, assignor to Louis Gastwirth & Co., Inc., a corporation of New York. BOYS' CLOTHING—VIZ, REEFERS, TOPCOATS, AND OVERCOATS. Class 39.

242,652. PERMANDY. Registered May 29, 1928. Heberlein & Co., A. G., Wattwil, Switzerland, a corporation organized under the laws of Switzerland. Renewed May 29, 1948. COTTON FABRICS. Class 42.

243,133. VIKING. Registered June 12, 1928. The Skandia Furniture Company of Rockford Illinois, Rockford, Ill. Renewed June 12, 1948, to Superior Sleeprite Corporation, Chicago, Ill., a corporation of Illinois. DESKS, SECRETARIES, CHESTS OF DRAWERS, HIGHBOYS, LIBRARY AND SECTIONAL BOOK-CASES, ETC. Class 32.

243,231. LION. Registered June 12, 1928. Mitchel L. Kalich, doing business as M. L. Kalich & Company. Renewed June 12, 1948, to M. L. Kalich & Co., Watsonville, Calif., a copartnership. FRESH FRUITS—NAMELY, APPLES; FRESH VEGETABLES—NAMELY, LETTUCE. Class 46.

243,766. RINEHEIT. Registered June 26, 1928. The Mutton Hollow Fire Brick Company, Woodbridge, N. J., a corporation of New Jersey. Renewed June 26, 1948. BRICKS. Class 12.

245,140. PLYTEX. Registered Aug. 7, 1928. Essex Rubber Company, Trenton, N. J., a corporation of New Jersey. Renewed Aug. 7, 1948. INSOLES, COMPOSITION SOLES, AND RUBBER SOLES AND HEELS FOR BOOTS AND SHOES. Class 39.

245,388. EO. Registered Aug. 14, 1928. Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed Aug. 14, 1948. CAPS AND CLOSURE SEALS FOR BOTTLES AND OTHER CONTAINERS. Class 50.

246,297. "SUGAR POWDERS" ETC. AND DESIGN. Registered Sept. 4, 1928. John T. Adair, doing business as Adair's Drug Stores. Renewed Sept. 4, 1948, to The Lucile Company, Lexington, Ky., a partnership. MEDICAL PREPARATION USED AS A CORRECTIVE FOR AILMENTS IN CHILDREN FOR COLDS AND FEVERISH CONDITIONS. Class 6.

246,693. CLIMCO. Registered Sept. 11, 1928. The Cleveland Liner & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 11, 1948. PROCESSED OR COATED CLOTH. Class 42.

246,713. "ST GEORGE" ETC. AND DRAWING. Registered Sept. 11, 1928. The Heath Spring and Notion Company Limited, Redditch, England, a company organized under the laws of Great Britain. Renewed Sept. 11, 1948. ARM BANDS OF COILED WIRE MADE OF BASE METAL AND COATED WITH IMITATION PRECIOUS METAL. Class 39.

247,898. "DE SOTO" AND DRAWING. Registered Oct. 9, 1928. Amplex Manufacturing Company, Detroit, Mich., assignor, by mesne assignments, to Chrysler Corporation. Renewed Oct. 9, 1948, to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware. AUTOMOBILES AND THEIR STRUCTURAL PARTS. Class 19.

248,272. PYRÊTHANE. Registered Oct. 16, 1928. Georges Louis Guillevic, Paris, France. Renewed Oct. 16, 1948. PREPARATION USED IN THE TREATMENT OF NEURALGIA AND AS A FEBRIFUGE. Class 6.

248,515. "R. BOWLER POLY SHINE" AND DESIGN. Registered Oct. 23, 1928. Richard W. Bowler, Bellingham, Wash. Renewed Oct. 23, 1948. WATERPROOF AUTO TOP DRESSING. Class 4.

248,698. FOX. Registered Oct. 30, 1928. The Cuthrell Company, Incorporated. Renewed Oct. 30, 1948, to B. Marvin Cuthrell, doing business as Cuthrell's Inc., Norfolk, Va. BICYCLES. Class 19.

248,771. "AFRIKANDER" ETC. AND DESIGN. Registered Oct. 30, 1928. Cohen, Weenen & Co., Limited, London, England, a corporation organised under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Oct. 30, 1948. SMOKING TOBACCO. Class 17.

248,787. "CRES CORD" AND DESIGN. Registered Oct. 30, 1928. Crescent Insulated Wire & Cable Co., Inc., Trenton, N. J., a corporation of New Jersey. Renewed Oct. 30, 1948. RUBBER-SHEATHED PORTABLE ELECTRIC CORD. Class 21.

248,980. CHROMALOID. Registered Nov. 6, 1928. American Nickeloid Company. Renewed Nov. 6, 1948, to American Nickeloid Company, Peru, Ill., a corporation of Illinois. CHROMIUM-COATED SHEETS AND CHROMIUM-COATED ROLLS OF SHEET METAL. Class 14.

249,044. DURATA. Registered Nov. 6, 1928. Phillips' Patents Limited, London, England, a corporation organised under the laws of Great Britain. Renewed Nov. 6, 1948. SOLES AND HEELS FOR BOOTS AND SHOES. Class 39.

249,251. CHARLES ROBERT. Registered Nov. 13, 1928. Emile Geiser, successeur de Charles Robert. Renewed Nov. 13, 1948, to Fabrique de Ressorts Emile Geiser, successeur de Charles Robert, Societe Anonyme, La Chaux-de Fonds, Switzerland, a corporation of Switzerland. WATCH AND CLOCK SPRINGS, HAIRSPRINGS, AND HANDS, CLOCKS AND WATCHES AND PARTS THEREOF, ETC. Class 27.

249,810. PFAFFMAN'S. Registered Nov. 13, 1928. The Pfaffman Egg Noodle Company. Renewed Nov. 13, 1948, to The Pfaffman Company, Cleveland, Ohio, a corporation of Ohio. ALIMENTARY PASTE PRODUCTS, ESPECIALLY NOODLES, SPAGHETTI, VERMICELLI, AND MACARONI, PREPARED IN VARIOUS SHAPES AND FORMS. Class 46.

249,322. "HIME". Registered Nov. 13, 1928. Pacific Trading Co., Inc., San Francisco, Calif., a corporation of California. Renewed Nov. 13, 1948. CANNED VEGETABLES—NAMELY, BAMBOO SPROUTS. Class 46.

249,408. AVI-JACK. Registered Nov. 13, 1928. S. Liebovitz & Sons, Inc. Renewed Nov. 13, 1948, to Publix Shirt Corporation, New York, N. Y., a corporation of New York. MEN'S, WOMEN'S, YOUTHS', AND BOYS' SPORT JACKETS AND COATS AND WEATHERPROOF JACKETS AND COATS. Class 39.

249,532. DAVIS ROTOMATIC. Registered Nov. 13, 1928. Davis & Thompson Company. Renewed Nov. 13, 1948, to Davis & Thompson Company, West Allis, Wis., a corporation of Delaware. CONTINUOUS ROTARY METAL-DRILLING MACHINES. Class 23.

249,615. RECTOX. Registered Nov. 20, 1928. Westinghouse Electric & Manufacturing Company. Renewed Nov. 20, 1948, to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania. CONTACT RECTIFIERS FOR CHANGING ALTERNATING ELECTRIC CURRENT TO DIRECT CURRENT. Class 21.

249,708. REPRESENTATION OF ROLL WITH ITS WABBLERS LINED FOR ORANGE COLOR. Registered Nov. 20, 1928. Mesta Machine Company, West Homestead and Pittsburgh, Pa. Renewed Nov. 20, 1948, to Mesta Machine Company, West Homestead, Pa., a corporation of Pennsylvania. ROLLING-MILL ROLLS. Class 23.

249,709. REPRESENTATION OF ROLL WITH ITS WABBLERS LINED FOR BLUE COLOR. Registered Nov. 20, 1928. Mesta Machine Company, West Homestead and Pittsburgh, Pa. Renewed Nov. 20, 1948, to Mesta Machine Company, West Homestead, Pa., a corporation of Pennsylvania. ROLLING-MILL ROLLS. Class 23.

249,808. "WHITE CHAIN" AND REPRESENTATION OF CHAIN. Registered Nov. 20, 1928. Wood Fruit Company, Inc. Renewed Nov. 20, 1948, to E. B. Wood, Atwater, Calif. FRESH DECIDUOUS FRUITS. Class 46.

249,809. "BLUE CHAIN" AND REPRESENTATION OF CHAIN. Registered Nov. 20, 1928. Wood Fruit Company, Inc. Renewed Nov. 20, 1948, to E. B. Wood, Atwater, Calif. FRESH DECIDUOUS FRUITS. Class 46.

249,932. TICKL-TASTE. Registered Nov. 27, 1928. Savory Baking Company, Newark, N. J. Renewed Nov. 27, 1948, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. TARTS AND COFFEE RINGS. Class 46.

249,970. DULENZA. Registered Nov. 27, 1928. The Viscose Company, Marcus Hook, Pa. Renewed Nov. 27, 1948, to American Viscose Corporation, Philadelphia, Pa., a corporation of Delaware. RAYON YARN. Class 43.

250,061. SUYEHIRO. Registered Nov. 27, 1928. Pacific Trading Co., Inc., San Francisco, Calif., a corporation of California. Renewed Nov. 27, 1948. CANNED FISH—NAMELY, FRIED FISH CAKES. Class 46.

250,234. GREENVUE. Registered Dec. 4, 1928. Whitney-Eckstein Seed Co. Renewed Dec. 4, 1948, to Whitney Seed Co., Inc., Buffalo, N. Y., a corporation of New York. LAWN-GRASS AND FIELD SEEDS. Class 1.

250,235. CITY PARK. Registered Dec. 4, 1928. Whitney-Eckstein Seed Co. Renewed Dec. 4, 1948, to Whitney Seed Co., Inc., Buffalo, N. Y., a corporation of New York. LAWN-GRASS AND FIELD SEEDS. Class 1.

250,662. FULLER. Registered Dec. 11, 1928. W. P. Fuller & Co., San Francisco, Calif., a corporation of California. Renewed Dec. 11, 1948. SHEET AND PLATE GLASS, WIRE RIBBED GLASS, WIRE CORRUGATED GLASS, WIRE PLATE GLASS, ETC. Class 33.

250,669. W. P. FULLER & CO. Registered Dec. 11, 1928. W. P. Fuller & Co., San Francisco, Calif., a corporation of California. Renewed Dec. 11, 1948. SHEET AND PLATE GLASS, WIRE RIBBED GLASS, WIRE CORRUGATED GLASS, ETC. Class 33.

250,769. "STANDARD SERVICE SATISFIES" ETC. AND DESIGN. Registered Dec. 18, 1928. Standard Accident Insurance Company, Detroit, Mich., a corporation of Michigan. Renewed Dec. 18, 1948. BOOKLETS. Class 38.

250,913. "PAGE" ETC. AND DESIGN. Registered Dec. 18, 1928. The Page Milling Company, Luray, Va., a corporation of Virginia. Renewed Dec. 18, 1948. WHEAT FLOUR, SELF-RISING FLOUR, CORN MEAL, AND POULTRY FEEDS. Class 46.

250,962. "CUBBISON'S" AND REPRESENTATION OF A BEAR AND DESIGN. Registered Dec. 18, 1928. Harry George Cubbison, doing business as Cubbison Cracker Co. Renewed Dec. 18, 1948, to Cubbison Cracker Company, Los Angeles, Calif., a firm. TOAST. Class 46.

251,028. RED CLOVER. Registered Dec. 25, 1928. Clover Splint Coal Company. Renewed Dec. 25, 1948, to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania. COAL. Class 1.

251,058. STAR OF THE EAST. Registered Dec. 25, 1928. The Page Milling Company, Luray, Va., a corporation of Virginia. Renewed Dec. 25, 1948. PLAIN AND SELF-RISING FLOURS. Class 46.

251,161. DRIPOLATOR. Registered Jan. 1, 1929. The Enterprise Aluminum Company, Massillon, Ohio, a corporation of Ohio. Renewed Jan. 1, 1949. COFFEEPOTS. Class 13.

251,258. HEARNCRAFT. Registered Jan. 1, 1929. Jas. A. Hearn & Son. Renewed Jan. 1, 1949, to Hearn Department Stores, Inc., New York, N. Y., a corporation of New York. REVERSIBLE FIBER RUGS. Class 42.

251,461. WANDO. Registered Jan. 8, 1929. Wall & Ochs, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 8, 1949. SPECTACLES, EYEGLASSES, EYEGLASS MOUNTINGS, AND BRIDGES FOR EYEGLASSES. Class 26.

251,516. PIONEER. Registered Jan. 8, 1929. Carl H. Dicke, doing business as Pioneer Heat Regulator Company, Bloomfield, N. J. Renewed Jan. 8, 1949, to Crown Controls Company Inc., New Bremen, Ohio, a corporation of Ohio. THERMOSTATS. Class 26.

251,778. RED HEAD. Registered Jan. 15, 1929. General Dry Batteries, Inc., Cleveland, Ohio. Renewed Jan. 15, 1949, to General Dry Batteries, Inc., Lakewood, Ohio, a corporation of Ohio. ELECTRIC BATTERIES. Class 21.

251,861. "NOILLY PRAT & CIE" ETC. AND DESIGN. Registered Jan. 15, 1929. Noilly Prat & Cie., assignors to Etablissements Noilly Prat & Cie., Societe Anonyme. Renewed Jan. 15, 1949, to Etablissements Noilly Prat & Cie, Societe Anonyme, Marseille, France, a corporation organized under the laws of the Republic of France. VERMOUTH. Class 49.

251,965. SYLVAN. Registered Jan. 22, 1929. Whitney-Eckstein Seed Co. Renewed Jan. 22, 1949, to Whitney Seed Co., Inc., Buffalo, N. Y., a corporation of New York. LAWN GRASS AND FIELD SEEDS. Class 1.

252,066. SWAV. Registered Jan. 22, 1929. The Norwich Pharmacal Company, Norwich, N. Y., a corporation of New York. Renewed Jan. 22, 1949. SHAVING CREAM TO BE USED BEFORE SHAVING. Class 4.

252,131. AMERICAN PARK. Registered Jan. 22, 1929. John Hilding Ostberg, doing business as Consolidated Seed Co. (not Inc.). Renewed Jan. 22, 1949, to Ivan Ostberg, doing business as Ostberg Seed Co. (not Inc.), Chicago, Ill. LAWN-GRASS SEED. Class 1.

252,215. FORÊT VIERGE. Registered Jan. 29, 1929. Lentheric, Incorporated, New York, N. Y., a corporation of New York. Renewed Jan. 29, 1949. PERFUMES, TOILET WATER, FACE POWDER, AND TALCUM POWDER. Class 6.

252,240. AMNIOTIN. Registered Jan. 29, 1929. E. R. Squibb & Sons, New York, N. Y., a corporation of New York. Renewed Jan. 29, 1949. STERILE AQUEOUS SOLUTION CONTAINING THE ESTRUS-INDUCING HORMONE. Class 6.

252,384. NATEXCO. Registered Feb. 5, 1929. National Textile Dist. Corp., New York, N. Y. Renewed Feb. 5, 1949, to The Krolik Corporation, Detroit, Mich., a corporation of Michigan. MEN'S AND BOYS' OUTER WEAR—NAMELY, DRESS AND WORK SHIRTS, BLOUSES, ETC. Class 39.

252,417. LES 5 FLEURS. Registered Feb. 5, 1929. Societe Anonyme Les Dentifrices Du Docteur Pierre. Renewed Feb. 5, 1949, to Societe Anonyme Parfums Forvil & Dentifrices Du Docteur Pierre Reunis, Nanterre, France, a corporation organized under the laws of France. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, ETC. Class 6.

252,435. "THE WANDO COMFORT SPECTACLE" AND DESIGN. Registered Feb. 5, 1929. Wall & Ochs, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 5, 1949. SPECTACLES. Class 26.

252,622. "LANGHAM" ETC. AND DRAWING. Registered Feb. 12, 1929. S. Stein & Co. Renewed Feb. 12, 1949, to S. Stein & Co., Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.

252,691. NATEXCO. Registered Feb. 12, 1929. Nat. Tex. Dist. Corp., New York, N. Y. Renewed Feb. 12, 1949, to The Krolik Corporation, Detroit, Mich., a corporation of Michigan. TEXTILE BLANKETS, SHEETS, PILLOWCASES, BEDCOVERS, QUILTS AND FOR WOOL, ETC. Class 42.

253,068. SUPER-LLAMORA. Registered Feb. 19, 1929. S. Stein & Co. Renewed Feb. 19, 1949, to S. Stein & Co., Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.

253,209. LENTHERIC. Registered Feb. 19, 1929. Lentheric, Incorporated, New York, N. Y., a corporation of New York. Renewed Feb. 19, 1949. TOILET SOAP. Class 4.

253,311. SUPER-ANGLORA. Registered Feb. 26, 1929. S. Stein & Co. Renewed Feb. 26, 1949, to Kingsley Fabrics, Inc., New York, N. Y., a corporation of New York. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. Class 42.

253,367. 240. Registered Feb. 26, 1929. Acme White Lead & Color Works, Detroit, Mich., a corporation of Michigan. Renewed Feb. 26, 1949. VARNISHES. Class 16.

253,630. "HORCO" AND DESIGN. Registered Mar. 5, 1929. Vincent Horwitz Company, Inc. Renewed Mar. 5, 1949, to Vincent Horwitz Co. Inc., New York, N. Y., a corporation of Pennsylvania. MEN'S, WOMEN'S, AND CHILDREN'S SLIPPERS MADE OF EITHER FELT AND LEATHER, FABRIC AND LEATHER, OR ENTIRELY OF LEATHER WITH A FABRIC LINING. Class 39.

253,798. "SPEEDAUMAT" AND HEAVY UNDERLINE. Registered Mar. 5, 1929. The Speedaumatic Company, Chicago, Ill., now by change of name Speedaumat Addressing Machinery, Incorporated, assignor to Speedaumat Manufacturing Company. Renewed Mar. 5, 1949, to Addressograph-Multigraph Corporation, Cleveland, Ohio, a corporation of Delaware. PRINTING PLATES FOR ADDRESSING AND SIMILAR MACHINERY, EMBOSSING MACHINES, ADDRESSING MACHINES, MAILING MACHINES, AND GALLEY TRAYS. Classes 23 and 50.

254,065. —TRAX—. Registered Mar. 12, 1929. National Textile Dist. Corp., New York, N. Y. Renewed Mar. 12, 1949, to The Krolik Corporation, Detroit, Mich., a corporation of Michigan. ATHLETIC SHIRTS. Class 39.

254,072. BUCKINGHAM PALACE. Registered Mar. 12, 1929. Whitney-Eckstein Seed Co. Renewed Mar. 12, 1949, to Whitney Seed Co., Inc., Buffalo, N. Y., a corporation of New York. LAWN-GRASS AND FIELD SEEDS. Class 1.

254,150. "NAPA" ETC. AND CIRCULAR DESIGN. Registered Mar. 12, 1929. The Sawyer Tanning Company. Renewed Mar. 12, 1949, to Sawyer Tanning Company, Napa, Calif., a corporation of Delaware. SHOE-UPPER LEATHER, GLOVE LEATHER, AND COAT LEATHER. Class 1.

254,267. DIC-A-DOO. Registered Mar. 19, 1929. The Patent Cereals Co., Geneva, N. Y., a corporation of New York. Renewed Mar. 19, 1949. PAINT CLEANER AND PREPARATION FOR CLEANING PAINTED, VARNISHED, AND ENAMELED SURFACES, ETC. Class 4.

254,337. SONNYSAYINGS. Registered Mar. 19, 1929. Curtis-Martin Newspapers, Inc., Philadelphia, Pa. Renewed Mar. 19, 1949, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. CARTOONS IN NEWSPAPER PUBLICATIONS. Class 38.

254,517. YUMA MESA. Registered Mar. 26, 1929. Yuma Mesa Fruit Growers Association, Yuma, Ariz., a corporation of Arizona. Renewed Mar. 26, 1949. FRESH CITRUS FRUITS — NAMELY, GRAPEFRUIT, ORANGES, AND LEMONS. Class 46.

254,524. BRIDGE. Registered Mar. 26, 1929. Fischer Baking Company, Newark, N. J., a corporation of New Jersey. Renewed Mar. 26, 1949. BREAD. Class 46.

254,711. BLACK ORCHID. Registered Mar. 26, 1929. Laurel H. Howard, doing business as Laurel Wister. Renewed Mar. 26, 1949, to Helen W. Reeves, Los Angeles, Calif. FACE CREAM. Class 6.

254,712. "LAUREL WISTER" AND DESIGN. Registered Mar. 26, 1929. Laurel H. Howard, doing business as Laurel Wister. Renewed Mar. 26, 1949, to Helen W. Reeves, Los Angeles, Calif. FACE CREAMS, SKIN LOTIONS, FACE POWDER, AND ROUGE. Class 6.

254,780. SILVER LEAF. Registered Apr. 2, 1929. Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr. Renewed Apr. 2, 1949, to Haskins Brothers & Company, Sioux City, Iowa, a corporation of Iowa. SOAP. Class 4.

254,790. STOP—LOSS. Registered Apr. 2, 1929. Brownstein-Louis Company, Los Angeles, Calif., a corporation of California. Renewed Apr. 2, 1949. WATCH, RULE, AND SIDE POCKETS FOR MEN'S OVERALLS AND MEN'S OTHER OUTER GARMENTS. Class 39.

255,049. MYSTERY CLOTH. Registered Apr. 9, 1929. Wm. Filene's Sons Company, Boston, Mass., a corporation of Massachusetts. Renewed Apr. 9, 1949. MEN'S, BOYS', WOMEN'S, MISSES', AND GIRLS' OUTER WEARING APPAREL, ETC. Class 39.

255,215. CITRUS PECTIN. Registered Apr. 16, 1929. The Exchange Orange Products Company, Ontario, Calif., assignor to California Fruit Growers Exchange. Renewed Apr. 16, 1949, to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California. CITRUS PECTIN. Class 46.

255,435. "PINE CRAFT" ETC. AND DESIGN. Registered Apr. 23, 1929. White Pine Sash Company, Spokane, Wash., a corporation of Washington. Renewed Apr. 23, 1949. DOOR AND WINDOW FRAMES AND SASH. Class 12.

255,506. K-FIN. Registered Apr. 23, 1929. The Griscom-Russell Company, New York, N. Y., a corporation of Delaware. Renewed Apr. 23, 1949. PIPES AND TUBING OF COPPER, ALUMINUM, IRON, STEEL, AND OTHER METALS, PROVIDED WITH HEAT-RADIATING FINS. Class 34.

255,524. MARQUITA. Registered Apr. 23, 1929. Arthur S. Holden, doing business as Gavilan Citrus Associations. Renewed Apr. 23, 1949, to Gavilan Citrus Association, Arlington, Calif., a corporation of California. FRESH CITRUS FRUITS. Class 46.

255,528. GOBELIN. Registered Apr. 23, 1929. Russell & Co., Inc. Renewed Apr. 23, 1949, to The Gobelin Company, Inc., Cambridge, Mass., a corporation of Massachusetts. CANDY. Class 46.

255,536. DIGESTA-BONE. Registered Apr. 23, 1929. Pacific Bone Coal & Fertilizing Company. Renewed Apr. 23, 1949, to Consolidated Chemical Industries Inc., San Francisco, Calif., a corporation of Delaware. STEAMED BONE MEAL USED AS A FEED FOR STOCK AND POULTRY. Class 46.

256,069. CREME. Registered May 7, 1929. The Palmolive-Peet Company, Chicago, Ill., now by change of name Colgate-Palmolive-Peet Company. Renewed May 7, 1949, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware. SOAP. Class 4.

256,098. FELIX. Registered May 7, 1929. King Features Syndicate, Inc. Renewed May 7, 1949, to The Hearst Corporation, New York, N. Y., a corporation of Delaware. NEWSPAPER CARTOONS. Class 38.

256,104. YANK. Registered May 7, 1929. Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois. Renewed May 7, 1949. MEN'S AND BOYS' WORK SHIRTS AND MEN'S ATHLETIC UNION SUITS OF TEXTILE MATERIAL. Class 39.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

251,444. "ALASKA SUCKERS" AND DESIGN. Registered Jan. 8, 1929. Frank C. Fernandez, Tucson, Ariz. FROZEN CONFECTION. Class 46. Amended as follows: In the statement, column 2, line 1, 'The words "Alaska Suckers" are' is deleted and *The word "Alaska" is* is inserted in lieu thereof; and the drawing is amended to appear as follows:

252,362. "I S H" AND REPRESENTATION OF A HORSE. Registered Feb. 5, 1929. Jack Mints, doing business as Capt. Post Horse Radish & Pickle Co., Inc., New York, N. Y. HORSE-RADISH. Class 46. Corrected as follows: Certificate of renewal issued to Jack Mints, doing business as Capt. Post Horse Radish & Pickle Co., Inc., of New York, N. Y. on March 9, 1948, is hereby cancelled as improperly issued and the file is restored to the Examiner of Trade-Marks for the issuance of a new renewal certificate.

TRADE-MARK REGISTRATIONS—NEW CERTIFICATES

New Certificates issued under sections 7(c), 7(f), 7(g) of the Trade-Mark Act of 1946 for the unexpired term of the original registrations.

397,329. "EVANGELINE" AND DESIGN. Registered Sept. 1, 1942. Evangeline Refining Company. MOTOR FUEL OILS. Class 15. New certificate under section 7(c) issued Feb. 8, 1949, to Evangeline Refining Company, Inc., Evangeline, La., a corporation of Louisiana.

419,676. "BEAU-BELLE" AND DESIGN. Registered Feb. 26, 1946. Dean A. Arnold, doing business as Dean Arnold Co. DANDRUFF MASSAGE SHAMPOO. Class 6. New certificate under section 7(c) issued Feb. 8, 1949, to Bourjois, Inc., New York, N. Y., a corporation of New York.

CLASS 2

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1905, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 215,466. Registered July 20, 1926. EASTERN CARBON BLACK COMPANY, Charleston, W. Va. Republished by United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland.

TRIANGLE BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR CARBON BLACK HAVING A GENERAL USE IN THE INDUSTRIAL ARTS.

Claims use since 1918.

Reg. No. 236,179. Registered Dec. 6, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

HIGHLAND PARK

The words "Lawn Seed" and "Highland Park" are disclaimed apart from the mark as shown. The lining indicates the colors red and green.

FOR LAWN SEED.

Claims use since about Feb. 15, 1915.

Reg. No. 239,739. Registered Mar. 13, 1928. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corperation of Delaware. Republished by registrant.

FORMART

FOR PREPARED CLAY FOR USE IN MODELING AND ART WORK.

Claims use since about May 1927.

Reg. No. 258,749. Registered July 16, 1929. LUBRICANT LABORATORIES INC., Everett and Boston, Mass. Republished by Interlake Chemical Corporation of Delaware, Cleveland, Ohio, a corporation of Delaware.

THERMO PLASTIC COMPOUND — MAKALOT — SYMBOLIZES GREATER PRODUCTION

The words "Thermo Plastic Compound—Symbolizes Greater Production" are disclaimed apart from the mark as shown.

FOR MOLDING COMPOUND OF THE PHENOL FORMALDEHYDE TYPE IN THE NATURE OF A MOLDING CLAY.

Claims use since Oct. 29, 1927.

Reg. No. 337,915. Registered Aug. 25, 1936. DE KALB AGRICULTURAL ASSOCIATION, De Kalb, Ill. Republished by De Kalb Agricultural Association, Inc., De Kalb, Ill., a corporation of Delaware.

No claim is made to the representation of seed corn apart from the mark as shown.

FOR SEED CORN.

Claims use since Jan. 19, 1936.

Reg. No. 362,877. Registered Dec. 6, 1938. THE DOW CHEMICAL COMPANY, Midland, Mich. Republished by The Dow Chemical Company, Midland, Mich., a corporation of Delaware.

STYRON

FOR POLYMERIZED STYRENE.

Claims use since Dec. 1, 1937.

Reg. No. 378,134. Registered May 28, 1940. TRUAX-TRAER COAL COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

The word "Coal" is disclaimed apart from the mark as shown.

FOR COAL.

Claims use since Dec. 1, 1938.

Reg. No. 380,644. Registered Aug. 27, 1940. TRUAX-TRAER COAL COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

The word "Coal" is disclaimed apart from the mark as shown.

FOR COAL.

Claims use since Mar. 1, 1939.

Reg. No. 434,952. Registered Dec. 9, 1947. FERRY-MORSE SEED CO., San Francisco, Calif., a corporation of Michigan. Republished by registrant.

Playground

FOR MIXED LAWN SEED.

Claims use since Sept. 1, 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 434,971. Registered Dec. 9, 1947. PIONEER HI-BRED CORN COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

340

FOR HYBRID SEED CORN.

Claims use since about Jan. 1, 1943.

CLASS 2

RECEPTACLES

Reg. No. 200,293. Registered June 30, 1925. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

SANI-TRAY

The word "Tray" is disclaimed apart from the mark as shown.

FOR TRAYS MADE OF PAPER OR FIBER.

Claims use since Sept. 15, 1923.

Reg. No. 206,408. Registered Dec. 1, 1925. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

RAPTITE

FOR PAPER BAGS.

Claims use since May 18, 1925.

Reg. No. 264,137. Registered Nov. 19, 1929. RHEEM MANUFACTURING COMPANY, Emeryville, Calif. Republished by Rheem Manufacturing Company, New York, N. Y., a corporation of California.

Rheem

FOR STEEL DRUMS AND TANKS FOR SHIPPING AND STORING OILS AND GREASES.

Claims use since Nov. 15, 1926.

Reg. No. 363,178. Registered Dec. 13, 1938. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

ATLASTA

FOR PAPER TRAYS FOR MEAT, BUTTER, LARD, AND SIMILAR PRODUCTS.

Claims use since May 15, 1924.

Reg. No. 363,891. Registered Jan. 10, 1939. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

MORFOLD
ECONOMIZER
SERVICE

The words "Economizer Service" are disclaimed apart from the mark as shown.

FOR DISPENSING CABINETS FOR PAPER PRODUCTS.

Claims use since Aug. 12, 1938.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 436,060. Registered Jan. 20, 1948. NASH INC., Jersey City, N J., a corporation of New Jersey. Republished by registrant.

UNDERCOVER

FOR BILL FOLDS, POCKET BOOKS, PURSES, AND WALLETS.

Claims use since Mar. 1, 1947.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 144,967. Registered July 19, 1921. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

KNICKERBOCKER

FOR SOAP.

Claims use since Mar. 16, 1910.

Reg. No. 206,138. Registered Nov. 24, 1925. JAMES P. SMITH & COMPANY, New York, N. Y. Republished by James P. Smith & Company, Inc., New York, N. Y., a corporation of New York.

FONTAINE BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR IMPORTED FRENCH CASTILE SOAP.

Claims use since about 1904.

Reg. No. 239,895. Registered Mar. 13, 1928. LAMBERT PHARMACAL COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

LISTERINE

FOR SAPONACEOUS PASTE COMMONLY KNOWN AS SHAVING CREAM.

Claims use since about July 8, 1927.

Reg. No. 296,324. Registered Aug. 2, 1932. JOSEPH WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

BULLEN'S
Universal Cleaner
B.U.C.

The word "Cleaner" is disclaimed apart from the mark as shown.

FOR CLEANSER FOR CLEANING, PRESERVING, AND RENEWING VARNISHED AND PAINTED SURFACES OF ALL KINDS, AND ALSO FOR GENERAL HOUSEHOLD USE.

Claims use since Jan. 1, 1907.

Reg. No. 414,636. Registered June 19, 1945. J. WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

FOR LIQUID COMPOUNDS, SOAPS, AND POWDERS USED FOR CLEANSING AND POLISHING PURPOSES ON GLASS, METAL, AND UNFINISHED WOOD SURFACES, AND FOR THE HANDS.

Claims use since Apr. 7, 1919.

Reg. No. 422,759. Registered Aug. 13, 1946. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ACTIVOL

FOR LIQUID DETERGENT USED FOR WASHING AND SCOURING RAW WOOL, WOOLEN YARNS, AND WOOLEN AND WORSTED PIECE GOODS.

Claims use since Mar. 5, 1936.

Reg. No. 432,645. Registered Sept. 9, 1947. HENRY B. HELLER CORP., New York, N. Y., a corporation of New York. Republished by registrant, present address St. Louis, Mo.

TETFOAM-20

FOR SOAPLESS CLEANER.

Claims use since July 15, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 68,118. Registered Mar. 10, 1908. MARY GARDNER, executrix of Charles J. Moffett, St. Louis, Mo. Republished by C. J. Moffett Medicine Company, Columbus, Ga., a partnership.

TEETHINA

FOR TEETHING-POWDERS.

Claims use since July 1877.

Reg. No. 68,119. Registered Mar. 10, 1908. GEORGE A. SCHMIDT COMPANY, Chicago, Ill. Republished by Schmidt Soap Products, Inc., Chicago, Ill., a corporation of Illinois.

IT

FOR CREAMS AND COSMETIC PREPARATIONS TO BE APPLIED TO THE SKIN, SKIN POWDERS, LOTIONS, AND PERFUMES.

Claims use since Feb. 1, 1907.

Reg. No. 68,586. Registered Apr. 21, 1908. THE LIVERPOOL BORAX CO., LTD., Liverpool, England. Republished by Feedwaters, Inc., New York, N. Y., a corporation of New York.

ALGOR.

FOR PREPARATION FOR REMOVING SCALE, CORROSION, AND GREASE FROM BOILERS.

Claims use since 1905.

Reg. No. 69,823. Registered July 7, 1908. WARNER DRUG CO., Nashville, Tenn. Republished by The Warner Drug Co., Inc., Nashville, Tenn., a corporation of Tennessee.

RENNAR

FOR REMEDY FOR RHEUMATISM AND GOUT.

Claims use since Nov. 1, 1907.

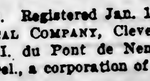
Reg. No. 128,948. Registered Jan. 20, 1920. JOSEPH WARREN BULLEN, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

CRE-BOL-YOU

FOR DISINFECTANT.

Claims use since Sept. 15, 1907.

Reg. No. 129,047. Registered Jan. 20, 1920. ADELAIDE R. PERRY, Buffalo, N. Y. Republished by Sue A. Perry, Buffalo, N. Y.



FOR REMEDY FOR NEURALGIA, SICK AND BILIOUS HEADACHE.

Claims use since about 1893.

Reg. No. 192,125. Registered Nov. 25, 1924. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Republished by United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland.

PERFECTO

FOR HYDROCARBON BLACK USED IN THE MANUFACTURE OF RUBBER TIRES, RUBBER GOODS, PHONOGRAPH RECORDS, PAINTS, VARNISHES, ENAMELS, PRINTING INK, STENCILING INK, DRAWING INK, WRITING INK, STOVE POLISH, SHOE POLISH, LACQUERS, CARBON PAPER, PAPER, BUTTONS, CELLULOID, ELECTRICAL INSULATION, COLORS, AND IN THE COLORING AND DYEING OF CLOTH, ARTIFICIAL STONE, LEATHER GOODS, AND CUSHIONS.

Claims use since Feb. 22, 1924.

Reg. No. 233,550. Registered Oct. 4, 1927. THE MAY DEPARTMENT STORES COMPANY, Los Angeles, Calif., a corporation of New York. Republished by registrant, present addresses New York, N. Y., and St. Louis, Mo.

ANITA

FOR CREAMS, LIQUIDS, PASTES, POWDERS, AND SOLID SUBSTANCES FOR BEAUTIFYING AND PRESERVING THE TEETH, NAILS, SKIN, HAIR, AND BODY GENERALLY, DEPILATORIES, DEODORANTS, AND PERFUMERY.

Claims use since June 1, 1888.

Reg. No. 237,349. Registered Jan. 10, 1928. THE GRASSELLI CHEMICAL COMPANY, Cleveland, Ohio. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

808

FOR ACCELERATORS FOR RUBBER VULCANIZATION.

Claims use since about Oct. 17, 1925.

Reg. No. 237,373. Registered Jan. 10, 1928. McCORMICK & Co., INCORPORATED, Baltimore, Md., a corporation of Maryland. Republished by registrant.

Bee Brand

The word "Brand" is disclaimed apart from the mark as shown.

FOR LIQUID-INSECTICIDE-SPRAYING COMPOSITIONS.

Claims use since about January 1924.

Reg. No. 237,527. Registered Jan. 10, 1928. WALLACE & TIERNAN CO., INC., Newark, N. J., a corporation of New York. Republished by registrant.

Lavel

FOR LAUNDRY BLEACHING MATERIAL.

Claims use since Mar. 1, 1927.

Reg. No. 240,162. Registered Mar. 20, 1928. LAMBERT PHARMACAL COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

LISTERINE

FOR MEDICINAL, ANTISEPTIC, AND DEODORANT COMPOUND, TOOTH POWDER, TOOTH PASTE, TALCUM POWDER, MEDICATED TABLETS FOR THE RELIEF OF INDIGESTION AND AILMENTS OF THE THROAT, COLD CREAM, BATH SALTS.

Claims use since about May 1, 1881.

Reg. No. 244,676. Registered July 24, 1928. LAMBERT PHARMACAL COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

LISTERINE

FOR MEDICATED PREPARATION FOR TREATMENT OF THE HAIR AND SCALP AND THE REMOVAL OF DANDRUFF.

Claims use since about May 1, 1881.

Reg. No. 300,192. Registered Jan. 10, 1933. J. WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

CRE-TO-LA

FOR DISINFECTANT AND INSECTICIDE.

Claims use since Jan. 1, 1907.

Reg. No. 304,514. Registered July 11, 1933. J. WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

TAR-O-LENE

FOR INSECTICIDE AND DISINFECTANT.

Claims use since July 11, 1909.

Reg. No. 324,597. Registered May 21, 1935. CALVIN C. MARSHALL, Hendersonville, N. C. Republished by Plough, Inc., Memphis, Tenn., a corporation of Delaware.

ASPICO

FOR MEDICINAL COMPOUND FOR THE TREATMENT OF COLDS, GRIPPE, PLEURISY, RHEUMATISM, ARTHRITIS, AND ACUTE INFLAMMATORY GLAND CONDITIONS, AS WELL AS FOR THE RELIEF OF ACUTE NEURALGIC PAINS, MIGRANE, AND OTHER COMMON AILMENTS.

Claims use since June 25, 1934.

Reg. No. 351,158. Registered Oct. 19, 1937. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GLYCOLA

FOR HYGROSCOPIC CHEMICAL AGENT FOR TEXTILE PRINTING MIXTURES.

Claims use since Feb. 20, 1936.

Reg. No. 357,132. Registered May 24, 1938. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GAYNTEX

FOR TEXTILE WEIGHTING CHEMICALS.

Claims use since Jan. 8, 1936.

Reg. No. 376,215. Registered Mar. 12, 1940. S. M. LABORATORIES COMPANY, Seattle, Wash. Republished by J. Wm. Sheets, doing business under the name of S. M. Laboratories, Seattle, Wash.

"S M's"

FOR VAGINAL SUPPOSITORIES.

Claims use since Nov. 30, 1931.

Reg. No. 378,574. Registered June 11, 1940. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ETHANOLEATE

FOR COMPOUND USED FOR FULLING AND SCOURING WOOLEN AND WORSTED GOODS, AND GENERAL TEXTILE SCOURING.

Claims use since Sept. 14, 1938.

Reg. No. 387,779. Registered May 27, 1941. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

HAMIGUM

FOR SODIUM MANNURONATE USED IN THE TEXTILE INDUSTRY FOR SIZING WARPS AND FOR GENERAL TEXTILE FINISHING.

Claims use since Jan. 4, 1941.

Reg. No. 388,119. Registered June 10, 1941. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

STEARAMINE

FOR COMPOUND USED FOR SOFTENING, FILLING, AND WEIGHTING OF COTTON FABRICS IN THE FINISHING OPERATION.

Claims use since Jan. 29, 1941.

Reg. No. 394,959. Registered May 5, 1942. THE PINEX COMPANY, Fort Wayne, Ind., a firm. Republished by registrant.

Pinnex

FOR COUGH BALSAM.

Claims use since Sept. 30, 1941.

Reg. No. 397,577. Registered Sept. 8, 1942. BESSIE G. O'NEILL, doing business as Southwest Chemical Co., Eagle Rock, Calif. Republished by registrant.

GOPHER-GO

FOR POISONED RAISIN AND BARLEY MIXTURE FOR THE CONTROL OF GOPHERS, PRAIRIE RATS, SQUIRRELS, AND MICE.

Claims use since Dec. 24, 1931.

Reg. No. 399,438. Registered Jan. 5, 1943. WM. P. POYTHRESS & COMPANY, Inc., Richmond, Va., a corporation of Virginia. Republished by registrant.

merpectogel

FOR PHARMACEUTICAL PREPARATION FOR USE IN THE TREATMENT OF HUMAN VAGINAL INFECTIONS.

Claims use since Aug. 14, 1942.

Reg. No. 409,843. Registered Oct. 24, 1944. FLORIDA CHEMICAL INDUSTRIES, INC., Sparr, Fla., a corporation of Florida. Republished by registrant, present address Ocala, Fla.

HELMINEX

FOR PREPARATION FOR USE IN THE ELIMINATION OF WORMS IN ANIMALS AND POULTRY.

Claims use since Oct. 1, 1941.

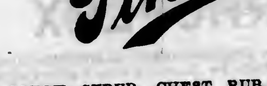
Reg. No. 412,115. Registered Feb. 20, 1945. FLORIDA CHEMICAL INDUSTRIES, INC., Sparr, Fla., a corporation of Florida. Republished by registrant, present address Ocala, Fla.

SMEAREX

FOR PREPARATION FOR THE PREVENTION AND TREATMENT OF SCREWWORM INFESTATION IN LIVESTOCK.

Claims use since Oct. 1, 1940.

Reg. No. 414,197. Registered May 29, 1945. J. WARREN BULLEN, doing business as The Bullen Chemical Co., Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.



FOR LIQUID COMPOUNDS USED FOR DISINFECTANT PURPOSES.

Claims use since Apr. 7, 1919.

Reg. No. 416,764. Registered Sept. 25, 1945. ROBERT E. PARRISH, Fort Worth, Tex. Republished by registrant.

-NEO-KERAZOLE

FOR PREPARATION FOR THE TREATMENT OF BOVINE KERATITIS (PINK EYE) AMONG CATTLE AND OTHER LIVE STOCK.

Claims use since July 1941.

Reg. No. 418,938. Registered Jan. 15, 1946. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

AQUATAIN

FOR SOFTENING AND HYGROSCOPIC AGENT TO BE ADDED TO SIZING MIXTURES, FOR THE PURPOSE OF ABSORBING AND RETAINING MOISTURE IN TEXTILE SIZES.

Claims use since May 3, 1945.

Reg. No. 423,766. Registered Sept. 10, 1946. THE PINEX COMPANY, Fort Wayne, Ind., a firm. Republished by registrant.

Pinex

FOR COUGH SYRUP, CHEST RUB, LAXATIVE, MOUTH WASH, HAND LOTION, AND DEODORANT.

Claims use since Aug. 17, 1897.

Reg. No. 424,742. Registered Oct. 22, 1946. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

HAMISEAL

FOR DISPERSED SYNTHETIC RUBBER, USED FOR BACKFILLING CARPETS AND RUGS, WHERE IT ACTS AS A BINDER AND SEAL.
Claims use since Nov. 15, 1945.

Reg. No. 431,849. Registered Aug. 12, 1947. HARRY SHAPIRO, New York, N. Y. Republished by registrant.

DEL

FOR INSECTICIDAL SHAMPOO.
Claims use since June 1944.

Reg. No. 433,260. Registered Sept. 30, 1947. MALLON CHEMICAL CORP., New York, N. Y., a corporation of New York. Republished by registrant.

RECTALGAN

FOR LIQUID PREPARATION FOR RELIEF OF PAIN, INFLAMMATION, AND DISTRESS IN THE RECTUM AND SURROUNDING REGIONS, ALSO FOR TOPICAL APPLICATION IN LOCALIZED IRRITATION.
Claims use since Sept. 16, 1946.

Reg. No. 434,379. Registered Nov. 18, 1947. LUCIEN LELONG, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Orgueil

FOR PERFUMES.
Claims use since Oct. 10, 1946.

Reg. No. 435,557. Registered Dec. 30, 1947. ROHM & HAAS COMPANY, Philadelphia, Pa., a corporation of Delaware. Republished by registrant.

RHOPLEX

FOR RESIN SUSPENSIONS OR DISPERSIONS SUITABLE FOR USE IN PRODUCING PERMANENT FINISHES ON TEXTILES AND OTHER FIBROUS MATERIALS.
Claims use since May 20, 1946.

Reg. No. 435,664. Registered Jan. 6, 1948. THE NATIONAL DRUG COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

CARDIGIN

FOR TABLET CONTAINING DIGITOXIN USED IN THE TREATMENT OF HEART AFFECTIONS WHEREVER DIGITALIS THERAPY IS INDICATED.
Claims use since Aug. 18, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 67,233. Registered Jan. 28, 1908. THE HAZARD POWDER COMPANY, Hazardville, Conn. Republished by E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware.

HAZARD

FOR EXPLOSIVE POWDER.
Claims use since 1854.

Reg. No. 196,278. Registered Mar. 17, 1925. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

Kilgore

FOR AMMUNITION, PARTICULARLY PAPER CAPS FOR TOY PISTOLS.
Claims use since July 1, 1912.

Reg. No. 285,869. Registered Aug. 11, 1931. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

Peppy

FOR PAPER CAPS FOR TOY FIREARMS.
Claims use since Oct. 16, 1930.

CLASS 10

FERTILIZERS

Reg. No. 292,830. Registered Mar. 29, 1932. NAAMLOOZE VENNOOTSCHAP AMSTERDAMSCHE SUPERFOSFAATFABRIEK, Utrecht, Netherlands, a company incorporated under the laws of the Netherlands. Republished by registrant.

ASF

FOR FERTILIZERS.
Claims use since Aug. 28, 1907.

Reg. No. 297,281. Registered Sept. 6, 1932. NAAMLOOZE VENNOOTSCHAP AMSTERDAMSCHE SUPERFOSFAATFABRIEK, Utrecht, Netherlands, a company incorporated under the laws of the Netherlands. Republished by registrant.

ASF

ULTRA SUPER

FOR FERTILIZERS.
Claims use since Mar. 30, 1932.

Reg. No. 298,720. Registered Nov. 1, 1932. NAAMLOOZE VENNOOTSCHAP VERENIDGE CHEMISCHE FABRIEKEN, Utrecht, Netherlands, a company incorporated under the laws of Holland. Republished by registrant.

ALBATROS

FOR MANURE.
Claims use since Sept. 26, 1924.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 69,554. Registered June 23, 1908. THE PARAFFINE PAINT CO., San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

Cronolite

FOR WATERPROOF MATERIAL MADE FROM PAPER OR FELT, OR A COMBINATION OF BOTH, AND ADAPTED FOR USE IN BUILDINGS FOR VARIOUS PURPOSES.
Claims use since Jan. 1, 1904.

Reg. No. 81,479. Registered Apr. 11, 1911. THE PARAFFINE PAINT CO., San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

FLOATINE

FOR REFINED ASPHALT.
Claims use since October 1906.

Reg. No. 178,196. Registered Jan. 8, 1924. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

FLOATOID

FOR COMPOSITION FOR COATING ROOFS, CONSISTING PRINCIPALLY OF ASPHALT AND ASBESTOS FIBER.
Claims use since Jan. 1, 1922.

Reg. No. 224,568. Registered Mar. 1, 1927. SOCIETE FRANCAISE DE L'EVERITE, La Plaine St-Denis, France. Republished by Societes Reunies Everite-Sitube Produits en Amiante, Ciment et en Beton, Paris, France, a joint stock company of France.

FOR SLATES, TILE, PLATES, CORRUGATED PLATES, PAVING BRICKS, FLAGSTONES OF ARTIFICIAL MATERIAL USED FOR CEILINGS, WALLS, AND COVERINGS.
Claims use since May 2, 1924.

SIDINGS AS STRIPS, UNITS, AND ROLLS—NAMELY,

Reg. No. 224,569. Registered Mar. 1, 1927. SOCIETE FRANCAISE DE L'EVERITE, La Plaine St-Denis, France. Republished by Societes Reunies Everite-Sitube Produits en Amiante, Ciment et en Beton, Paris, France, a joint stock company of France.

FOR SLATES, TILE, PLATES, CORRUGATED PLATES, PAVING BRICKS, FLAGSTONES OF ARTIFICIAL MATERIAL USED FOR CEILINGS, WALLS, AND COVERINGS.
Claims use since May 2, 1924.

Reg. No. 224,570. Registered Mar. 1, 1927. SOCIETE FRANCAISE DE L'EVERITE, La Plaine St-Denis, France. Republished by Societes Reunies Everite-Sitube Produits en Amiante, Ciment et en Beton, Paris, France, a joint stock company of France.

EVERITE

FOR SLATES, TILE, PLATES, CORRUGATED PLATES, PAVING BRICKS, FLAGSTONES OF ARTIFICIAL MATERIAL USED FOR CEILINGS, WALLS, AND COVERINGS.
Claims use since May 2, 1924.

Reg. No. 236,475. Registered Dec. 13, 1927. SCHUMACHER WALL BOARD CORPORATION, Wilmington, Del., Seattle, Wash., and Los Angeles, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

KEYHOLD

FOR PLASTER BOARD.
Claims use since Nov. 14, 1924.

Reg. No. 239,740. Registered Mar. 13, 1928. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

LATITE

FOR REFRACTORY CEMENT OR MORTAR FOR USE IN THE BUILDING OF FURNACES, STACKS, AND OTHER STRUCTURES REQUIRING FIRE-CLAY REFRACTORIES.
Claims use since about March 1927.

Reg. No. 240,656. Registered Apr. 3, 1928. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

HIFIRE

FOR FIRE BRICK AND FIRE CLAY TILE AND HIGH-TEMPERATURE CEMENT OR MORTAR.
Claims use since about April 1918.

Reg. No. 240,711. Registered Apr. 3, 1928. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

IBEX

FOR FIRE BRICK AND FIRE-CLAY TILE.
Claims use since February 1919.

Reg. No. 240,712. Registered Apr. 3, 1928. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

CHAMPA

FOR FIRE BRICK AND FIRE-CLAY TILE.
Claims use since December 1918.

Reg. No. 248,211. Registered Oct. 16, 1928. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

HYDROSEAL

FOR PLASTIC CEMENT IN WHICH ASBESTOS FIBER IS INCORPORATED.
Claims use since 1910.

Reg. No. 248,241. Registered Oct. 16, 1928. SCHUMACHER WALL BOARD CORPORATION, Los Angeles, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

SCHUMITE

FOR CONSTRUCTION MATERIAL—NAMELY, WALL BOARD, PLASTER BOARD, LATH BOARD, BUILDING PAPER, AND ROOFING PAPER.
Claims use since Mar. 22, 1928.

Reg. No. 269,699. Registered Apr. 15, 1930. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DEMON

FOR HIGH TEMPERATURE CEMENT.
Claims use since on or about July 1, 1920.

Reg. No. 344,616. Registered Mar. 30, 1937. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HYRATE

FOR REFRACTORY CEMENT.
Claims use since July 21, 1936.

Reg. No. 356,821. Registered May 10, 1938. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

KROMTITE

FOR CHROME NEUTRAL HIGH TEMPERATURE BONDING MORTAR.
Claims use since Dec. 9, 1937.

Reg. No. 372,811. Registered Nov. 14, 1939. LEWIS BOLT & NUT COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

LIFE LINE

FOR GUARD RAIL CABLES, POSTS, OFFSETS, EXPANSION TAKEUPS, AND MISCELLANEOUS FITTINGS USED IN CONNECTION WITH HIGHWAY GUARD RAILS.
Claims use since Aug. 1, 1938.

Reg. No. 398,771. Registered Nov. 24, 1942. PITTSBURGH-CORNING CORPORATION, Pittsburgh, Pa., a corporation of Pennsylvania.

FOAMGLAS

FOR CELLULAR STRUCTURAL MATERIAL COMPOSED OF RIGID CELLULATED SLABS, BLOCKS, LUMPS, OR THE LIKE, SUITABLE FOR USE AS INSULATION OR STRUCTURAL ELEMENTS IN BUILDINGS, FLOATS, LIFE RAFTS, LIFE PRESERVERS, AND FOR VARIOUS OTHER PURPOSES.
Claims use since Nov. 7, 1941.

Reg. No. 406,114. Registered Mar. 14, 1944. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

FOR SATURATED FELT BASE ROOFING AND SIDING PRODUCTS IN THE FORM OF SHINGLES AND SIDINGS AS STRIPS, UNITS, AND ROLLS—NAMELY, ASPHALT SHINGLES, ASPHALT SIDINGS, MINERAL SURFACED ROLL ROOFINGS, AND SMOOTH SURFACED ROLL ROOFINGS.
Claims use since Aug. 30, 1938.

Reg. No. 419,962. Registered Mar. 19, 1946. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CELO-SIDING

The word "Siding" is disclaimed apart from the mark as shown.
FOR SIDING—NAMELY, GRANULAR SURFACE SIDING COMPRISING A WATERPROOFED FIBER BOARD SHEET FORM BACKING MATERIAL PROVIDED WITH AN ADHERED GRANULAR WEATHER RESISTING MINERAL AGGREGATE.
Claims use since May 8, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 138,128. Registered Dec. 14, 1920. STAPLES & SEEFELD, Milwaukee, Wis. Republished by Lewis Bolt & Nut Company, Minneapolis, Minn., a corporation of Minnesota.

LOKTITE

FOR ATTACHING MEMBERS FOR VEHICLE NON-SKID TREAD MEMBERS.
Claims use since Aug. 21, 1919.

Reg. No. 338,443. Registered Sept. 8, 1936. CLAMP NAIL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

DUBLE VEE

FOR MITER JOINT FASTENERS.
Claims use since June 4, 1932.

Reg. No. 422,209. Registered July 9, 1946. GLOBE AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GLOBE

FOR AUTOMATIC FIRE SPRINKLER APPARATUS, FOR USE BOTH INSIDE AND OUTSIDE OF BUILD-

INGS, AND CONSISTING OF AUTOMATIC SPRIN-

Reg. No. 311,852. Registered Apr. 10, 1934. HUDSON

Reg. No. 178,187. Registered Jan. 8, 1924. STANDARD CARBON COMPANY, Monroe, La. Republished by United

Reg. No. 324,496. Registered May 21, 1935. JOSEPH WARREN BULLEN, doing business as The Bullen Chemical

INGS, AND CONSISTING OF AUTOMATIC SPRINKLERS, OPEN, WINDOW AND EAVE SPRINKLERS, ALARM VALVES, RETARDING CHAMBERS, ELECTRIC CIRCUIT CLOSERS, WATER MOTOR OPERATED MECHANICAL GONGS, DRY PIPE VALVES, QUICK OPENING DEVICES, CHEMICAL AND SOLDER FUSIBLE LINKS, AND DETECTOR CHECK VALVES.
Claims use since July 16, 1918.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 281,177. Registered Mar. 10, 1931. P. R. MALLORY & CO. INCORPORATED, Indianapolis, Ind. Republished by P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware.

ELKALOY

FOR ELECTRODE MATERIAL FOR MANUAL SPOT WELDING.
Claims use since Oct. 21, 1930.

Reg. No. 327,547. Registered Aug. 27, 1935. P. R. MALLORY & CO., INCORPORATED, Indianapolis, Ind. Republished by P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware.

MALLORY 3

FOR ALLOYS COMPRISING COPPER ALLOYS AND METAL ALLOYS GENERALLY HAVING A BASE OF A HIGHLY CONDUCTIVE METAL.
Claims use since Apr. 13, 1935.

Reg. No. 347,282. Registered June 22, 1937. THE RAIL JOINT COMPANY, Chicago, Ill., assignor to Poor & Company. Republished by Poor & Company, Chicago, Ill., a corporation of Delaware.

RAJO

FOR RAILWAY TRACK JOINTS.
Claims use since July 1, 1926.

CLASS 15

OILS AND GREASES

Reg. No. 292,319. Registered Mar. 15, 1932. ULTRA-PENN REFINING COMPANY, Butler, Pa., a corporation of Pennsylvania. Republished by registrant, present address Bruin, Pa.

ULTRA-PENN

The word "Penn" is disclaimed apart from the mark as shown.
FOR LUBRICATING OIL, LUBRICATING GREASE, GASOLINE, BENZINE, AND PARAFFIN.
Claims use since June 13, 1931.

Reg. No. 311,852. Registered Apr. 10, 1934. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

HUDSONITE

FOR LUBRICATING OILS AND GREASES ADAPTED FOR THE PURPOSES OF LUBRICATING CLUTCHES.
Claims use since Sept. 26, 1933.

Reg. No. 417,457. Registered Oct. 30, 1945. LANAIR CHEMICAL CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

LANCO OIL SLUDGE EMULSIFIER

The words "Oil Sludge Emulsifier" are disclaimed apart from the mark as shown.
FOR OIL SLUDGE EMULSIFIER, A FLUSHING OIL FOR BREAKING UP AND HOLDING SLUDGE IN SUSPENSION.
Claims use since Oct. 23, 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 93,418. Registered Sept. 16, 1913. CONSTANT BENOIT, New York, N. Y. Republished by Permatex Company, Inc., New York, N. Y., a corporation of New York.

FOR READY-MIXED ADHESIVE SHELLAC.
Claims use since September 1910.

Reg. No. 170,445. Registered July 17, 1923. THE UNITED OIL & NATURAL GAS PRODUCTS CORPORATION, Monroe, La. Republished by United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland.

The word "Brand" is disclaimed apart from the mark as shown.
FOR HYDROCARBON BLACK USED AS A BASE IN THE MANUFACTURE OF PAINTS, VARNISH, AND SIMILAR COLORING MATTER.
Claims use since December 1918.

Reg. No. 178,187. Registered Jan. 8, 1924. STANDARD CARBON COMPANY, Monroe, La. Republished by United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland.

STANCO

FOR CARBON BLACK.
Claims use since May 24, 1923.

Reg. No. 206,946. Registered Dec. 15, 1925. THE PARAFFINE COMPANIES, INC., San Francisco, Calif., a corporation of Delaware. Republished by registrant.

FUMENAMEL

FOR PAINT ENAMELS FOR USE ON SMOKE-STACKS AND INSIDE WOODWORK.
Claims use since Nov. 1, 1923.

Reg. No. 249,072. Registered Nov. 6, 1928. UNITED CARBON COMPANY, Charleston, W. Va. Republished by United Carbon Company, Inc. (Maryland), Charleston, W. Va., a corporation of Maryland.

DIXIE

FOR CARBON BLACK.
Claims use since December 1918.

Reg. No. 257,873. Registered June 18, 1929. JEWEL PAINT & VARNISH CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

JEWEL
DOUBLEQUICK

The word "Doublequick" is disclaimed apart from the mark as shown.
FOR PAINT, ENAMELS, AND VARNISHES.
Claims use since Nov. 12, 1928.

Reg. No. 324,496. Registered May 21, 1935. JOSEPH WARREN BULLEN, doing business as The Bullen Chemical Company, Folcroft, Pa. Republished by The Bullen Chemical Company, Inc., Folcroft, Pa., a corporation of Pennsylvania.

SI-ZO-KOTE

The word "Kote" is disclaimed apart from the mark as shown.
FOR WALL COATING OR PAINT FOR INTERIOR AND EXTERIOR USE.
Claims use since January 1931.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 240,953. Registered Apr. 10, 1928. LAMBERT PHARMACAL COMPANY, Wilmington, Del., a corporation of Delaware. Republished by registrant, present address St. Louis, Mo.

LISTERINE

FOR CIGARETTES.
Claims use since about Nov. 11, 1927.

CLASS 19

VEHICLES

Reg. No. 110,022. Registered May 2, 1916. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

SUPER-SIX

The word "Six" is disclaimed apart from the mark as shown.
FOR AUTOMOBILES.
Claims use since Oct. 2, 1915.

Reg. No. 111,825. Registered Aug. 8, 1916. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

HUDSON

FOR AUTOMOBILES.
Claims use since July 1909.

Reg. No. 163,045. Registered Jan. 2, 1923. CRAWFORD MANUFACTURING CO., INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

CRAWFORD

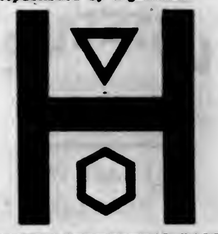
FOR COVERS FOR VEHICLE SEATS.
Claims use since November 1919.

Reg. No. 271,819. Registered June 17, 1930. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

The numeral "8" is disclaimed apart from the mark as shown.

FOR GASOLINE PASSENGER AUTOMOBILES.
Claims use since Jan. 9, 1930.

Reg. No. 283,898. Registered June 9, 1931. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.



FOR AUTOMOBILE STRUCTURAL PARTS.
Claims use since Nov. 6, 1930.

Reg. No. 347,933. Registered July 13, 1937. STANDARD STEEL WORKS COMPANY, Burnham, Pa. Republished by The Baldwin Locomotive Works, Eddystone, Pa., a corporation of Pennsylvania.

FREEDOM

FOR RAILWAY WHEELS AND TIRES.
Claims use since Dec. 3, 1930.

Reg. No. 360,457. Registered Sept. 20, 1938. HUDSON MOTOR CAR COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

The drawing is lined for the colors red and blue, but the mark is not limited to such colors.
FOR PASSENGER AUTOMOBILES.
Claims use since Aug. 19, 1937.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 231,001. Registered Aug. 9, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

KELSWORTH

FOR BATTERIES, RADIO RECEIVING SETS, AND PARTS THEREFOR.
Claims use since about Jan. 15, 1926.

Reg. No. 351,285. Registered Oct. 26, 1937. HARVEY-WHIPPLE, INCORPORATED, Springfield, Mass., a corporation of Massachusetts. Republished by registrant.

BORKONTROL

FOR ELECTRIC DEVICE FOR CONTROLLING THE OPERATION OF A PUMP MOTOR OF FUEL-BURNING APPARATUS.
Claims use since Jan. 1, 1936.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 111,915. Registered Aug. 8, 1916. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

BLUE FLASH

The word "Blue" is disclaimed apart from the mark as shown.
FOR GOLF BALLS.
Claims use since about Feb. 8, 1916.

Reg. No. 227,073. Registered Apr. 26, 1927. UNITED STATES WHIP COMPANY, doing business as U. S. Line Company, Westfield, Mass., a corporation of Maine. Republished by registrant.

FOR FISHING LINES.
Claims use since Aug. 1, 1923.

Reg. No. 238,278. Registered Jan. 31, 1928. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

FOR TOYS—NAMELY, TOY TRUCKS, BUSSES, AUTOMOBILES, TRACTORS, GASOLINE PUMPS, COMPUTING SCALES, REPEATING CANNONS, REPEATING CAP PISTOLS, COIN BANKS, ALL OF METAL.
Claims use since on or about Feb. 15, 1927.

Reg. No. 352,547. Registered Dec. 7, 1937. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

The drawing is lined for red and blue.
FOR TOY FIREARMS.
Claims use since Oct. 23, 1934.

Reg. No. 435,987. Registered Jan. 20, 1948. THE SPORTSPACER CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

SPORTSPACER

FOR BASEBALLS, SOFTBALLS, FOOTBALLS, BASKET-BALLS, SOCCER-BALLS, VOLLEY-BALLS, TENNIS-BALLS, PLAY-BALLS, MEDICINEBALLS, BEACH BALLS, PUNCHING BAGS, BOXING GLOVES, BASEBALL GLOVES AND MITTS, SOFTBALL GLOVES AND MITTS, BASEBALL BATS, SOFTBALL BATS, FOOTBALL HELMETS, FOOTBALL SHOULDER PADS, TENNIS RACKETS, BADMINTON RACKETS, AND SHUTTLECOCKS.
Claims use since July 15, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 68,487. Registered Apr. 14, 1908. WARREN AXE AND TOOL COMPANY, Warren, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR AXES.
Claims use since 1893.

Reg. No. 70,454. Registered Sept. 1, 1908. WARREN AXE AND TOOL COMPANY, Warren, Pa., a corporation of Pennsylvania. Republished by registrant.

SAGER

FOR AXES.
Claims use since 1893.

Reg. No. 131,749. Registered May 25, 1920. FARREL FOUNDRY & MACHINE COMPANY, Ansonia, Conn. Republished by Farrel-Birmingham Company, Incorporated, Ansonia, Conn., a corporation of Connecticut.

FARREL

FOR HYDRAULIC RUBBER PRESSES, HOSE-MAKING MACHINES, RUBBER CALENDERS, RUBBER MIXERS, RUBBER GRINDERS, RUBBER REFINERS, RUBBER CRACKERS, RUBBER WASHERS, BELT PRESSES, MATTING PRESSES, HEEL PRESSES, EMBOSSING CALENDERS, DOUBLING MACHINES FOR RUBBER MANUFACTURE, RUBBER-TUBING MACHINES, RUBBER-STRAINING MACHINES, RUBBER-SHOE MACHINES, LINOLEUM CALENDERS, LINOLEUM MIXERS, LINOLEUM GRINDERS, LINOLEUM SCRATCHERS, LINOLEUM PRESSES, WIRE-INSULATING MACHINES, STRANDING MACHINES, INSULATING CALENDERS, INSULATION MIXERS, INSULATION WASHERS, INSULATION STRAINERS, CELLULOID GRINDERS, CELLULOID PRESSES, CHILLED-IRON ROLLS, GRAY-IRON ROLLS, ROLLING MILLS, STRIP-STRAIGHTENING MACHINES, CINDER GRINDERS, METAL CUTTING AND SLITTING MACHINES, SLAB MOLDS, LEAD-PIPE PRESSES, SUGAR-CANE CRUSHERS, SUGAR-CANE-GRINDING MILLS, GEARING, STONE AND ORE CRUSHERS, CRUSHING ROLLS, FELT-HARDENING MACHINES, PAPER CALENDERS, BOARD CALENDERS, ROLL-GRINDING MACHINES, STONE PLANERS, SHAFTING, SHAFT COUPLINGS, ROPE WHEELS, BALANCE WHEELS, HYDRAULIC ACCUMULATORS, AND HYDRAULIC REGULATORS.
Claims use since on or about July 1, 1878.

Reg. No. 141,349. Registered Apr. 19, 1921. ECLIPSE MACHINE COMPANY, Elmira Heights, N. Y. Republished by Bendix Aviation Corporation, Elmira Heights, N. Y., a corporation of Delaware.

Eclipse-Bendix

FOR DRIVES OR TRANSMISSION MECHANISM FOR STARTERS FOR INTERNAL-COMBUSTION ENGINES.
Claims use since Jan. 12, 1914.

Reg. No. 230,297. Registered July 19, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

KELSWORTH

FOR VACUUM CLEANERS.
Claims use since about Jan. 15, 1926.

Reg. No. 234,666. Registered Nov. 1, 1927. RELIANCE MACHINE & STAMPING WORKS, INC., New Orleans, La. Republished by Reliance Machine & Stamping Works, Inc., Dallas, Tex., a corporation of Texas.

FOR GREASE-GUN FILLER NECKS, GREASE-CUP FITTINGS, GREASE GUNS AND PUMPS, AND PARTS THEREOF.
Claims use since Dec. 4, 1926.

Reg. No. 241,287. Registered Apr. 24, 1928. ACME STEEL COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR STRETCHERS AND SEALERS EMPLOYED IN THE ACME METHOD OF LOADING FREIGHT CARS AND THE LIKE.
Claims use since Mar. 17, 1927.

Reg. No. 244,413. Registered July 17, 1928. THE HENKEL-CLAUSS CO., Fremont, Ohio, a corporation of Ohio. Republished by registrant, present address Fremont, Ohio, and New York, N. Y.

RED SNAPPER

FOR MEAT, VEGETABLE, AND FOOD CHOPPERS; PRUNERS; TINNER, JEWELER, RUBBER, AND AUTOMOBILE SNIPS; SCISSORS, SHEARS, RAZORS, HAND KNIVES.
Claims use since Dec. 1, 1927.

Reg. No. 347,901. Registered July 13, 1937. BUFFALO FIRE APPLIANCE CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant, present address Dayton, Ohio.

The words "Buffalo, N. Y." are disclaimed apart from the mark as shown.
FOR COMPLETE AND PARTS OF VEHICULAR AND PORTABLE HAND MECHANICAL FIRE EXTINGUISHERS CAPABLE OF BEING CHARGED WITH WATER, CARBON TETRACHLORIDE, SODA AND ACID, CARBON DIOXIDE AND FOAM PRODUCING CHEMICALS; FIRE LADDERS AND STRAPS THEREFOR; MOTOR DRIVEN VEHICULAR FIRE FIGHTING APPARATUS COMPRISING PUMPERS, SERVICE TRUCKS, QUADRUPLES, COMBINATIONS, LADDER TRUCKS AND PARTS THEREOF; AND AXES.
Claims use since 1922.

Reg. No. 381,733. Registered Oct. 1, 1940. WILLIAM PETERSEN, doing business as Petersen Manufacturing Co., De Witt, Nebr. Republished by Petersen Manufacturing Company, Inc., De Witt, Nebr., a corporation of Nebraska.

FOR WRENCHES.
Claims use since Nov. 6, 1922.

Reg. No. 394,463. Registered Apr. 7, 1942. JOHN E. SHAW, Los Angeles, Calif. Republished by registrant.

The representation of the end of a bit is disclaimed apart from the mark as shown.
FOR DRILLS, BITS, AND REAMERS APPLICABLE TO MACHINE SHOP EQUIPMENT.
Claims use since Sept. 2, 1941.

Reg. No. 432,214. Registered Aug. 26, 1947. LATHAM COMPANY, INC., San Francisco, Calif. Republished by Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware.

UNI-VAC

FOR BOOSTER UNITS FOR HYDRAULIC OR PNEUMATIC BRAKE SYSTEMS FOR GENERAL USE ON MACHINERY AND ON VEHICLES.
Claims use since September 1940.

Reg. No. 434,167. Registered Nov. 11, 1947. JEFFERSON ISLAND SALT COMPANY, Louisville, Ky., assignee of Jefferson Island Salt Company. Republished by Jefferson Island Salt Company, Louisville, Ky., a corporation of Delaware.

BRINEMASTER

FOR SALT DISSOLVERS COMPRISED OF A TANK FITTED WITH WATER LINE, A HOPPER FOR ADMISSION OF SALT AND ATTACHED BRINE FILTER.
Claims use since July 19, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 230,531. Registered July 26, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

KELSWORTH

FOR WASHING MACHINES.
Claims use since about Jan. 15, 1926.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 433,631. Registered Oct. 21, 1947. THE TITAN VALVE AND MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Republished by registrant.

TITAN

FOR THERMOSTATIC CONTROLS FOR HOT WATER HEATERS.
Claims use since May 1932.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 235,481. Registered Nov. 22, 1927. BULOVA WATCH COMPANY, INC., New York, N. Y. Republished by Westfield Watch Company, Inc., New York, N. Y., a corporation of New York.

Trojan

FOR WATCHES AND WATCH CASES.
Claims use since Feb. 15, 1918.

Reg. No. 407,090. Registered May 16, 1944. MOVADO WATCH AGENCY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CALENDOGRAPH

FOR WATCHES.
Claims use since Nov. 27, 1943.

Reg. No. 435,471. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Embraceable

FOR WATCHES AND ATTACHED BRACELETS, SOLD AS A UNIT.
Claims use since Jan. 1, 1946.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 227,181. Registered May 3, 1927. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Republished by registrant.

LOTUS BLOSSOM

FOR WEDDING RINGS.
Claims use since Nov. 8, 1926.

Reg. No. 435,472. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BENRUS

FOR WATCHES.
Claims use since Nov. 27, 1943.

Reg. No. 435,473. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Embraceable

FOR WATCHES AND ATTACHED BRACELETS, SOLD AS A UNIT.
Claims use since Jan. 1, 1946.

Reg. No. 435,474. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Trojan

FOR WATCHES AND WATCH CASES.
Claims use since Feb. 15, 1918.

Reg. No. 435,475. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BENRUS

FOR WATCHES AND WATCH CASES.
Claims use since Feb. 15, 1918.

Reg. No. 435,476. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BENRUS

FOR WATCHES AND ATTACHED BRACELETS, SOLD AS A UNIT.
Claims use since Jan. 1, 1946.

Reg. No. 435,477. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

BENRUS

FOR WATCHES AND ATTACHED BRACELETS, SOLD AS A UNIT.
Claims use since Jan. 1, 1946.

Reg. No. 435,478. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

CALENDOGRAPH

FOR WATCHES.
Claims use since Nov. 27, 1943.

Reg. No. 435,479. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Embraceable

FOR WATCHES AND ATTACHED BRACELETS, SOLD AS A UNIT.
Claims use since Jan. 1, 1946.

Reg. No. 435,480. Registered Dec. 30, 1947. BENRUS WATCH COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Trojan

FOR WATCHES AND WATCH CASES.
Claims use since Feb. 15, 1918.

Reg. No. 237,054. Registered Jan. 3, 1928. NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn., a corporation of Connecticut. Republished by registrant.

ANCHOR BRAND

The word "Brand" is disclaimed apart from the mark as shown.

FOR BUCKLES FOR FOOTWEAR, BELT BUCKLES, FOB PENDANTS, FOB SLIDES, BELT SLIDES, SLIPPER SLIDES, RINGS FORMING PARTS OF TRIMMINGS OR APPURTENANCES FOR PERSONAL WEAR OR HARNESS AND EXCLUSIVE OF FINGER RINGS, SPURS FOR RIDING BOOTS, AND SHOE ORNAMENTS, ALL MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since 1890.

Reg. No. 317,247. Registered Sept. 18, 1934. B. A. BALLOU & CO. INCORPORATED, Providence, R. I., a corporation of Rhode Island. Republished by registrant.

B.A.B.

FOR JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Dec. 1, 1908.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 222,638. Registered Jan. 4, 1927. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

FRIENDLY PAINTER

FOR PAINTBRUSHES.
Claims use since about April 1926.

Reg. No. 222,639. Registered Jan. 4, 1927. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

CHINA GIRL

FOR PAINTBRUSHES.
Claims use since about Apr. 1, 1926.

Reg. No. 222,640. Registered Jan. 4, 1927. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

M. P. FALCON

FOR PAINTBRUSHES.
Claims use since about Jan. 1, 1922.

Reg. No. 222,685. Registered Jan. 4, 1927. THE WOOSTER BRUSH COMPANY, Wooster, Ohio, a corporation of Ohio. Republished by registrant.

PAINTERS PRIDE

FOR PAINTBRUSHES.
Claims use since about Apr. 1, 1926.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 350,591. Registered Sept. 28, 1937. SYNDICATE-ALLIANCE TRADING CO., INC., New York, N. Y. Republished by Dry Goods Alliance, Inc., New York, N. Y., a corporation of New York.

Alliance

FOR ELECTRIC REFRIGERATORS.
Claims use since May 15, 1937.

Reg. No. 378,666. Registered June 11, 1940. PICK MANUFACTURING COMPANY, West Bend, Wis. Republished by Pick Manufacturing Company, West Bend, Wis., a corporation of Delaware.

HONEY

FOR OIL FILTERS.
Claims use since Feb. 13, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 228,555. Registered June 7, 1927. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of the State of New York. Republished by registrant.

BELMAISON

FOR REPRODUCTIONS OF ANTIQUE FURNITURE—NAMELY, TABLES, CHAIRS, STOOLS, BENCHES, BEDS, DESKS, BOOKCASES, MIRRORS, SCREENS.
Claims use since Aug. 1, 1919.

Reg. No. 228,756. Registered June 7, 1927. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

The words "John Wanamaker" are disclaimed apart from the mark as shown. The drawing is hatched to indicate a shade of orange.

FOR MODERN AND ANTIQUE HOME FURNISHINGS—NAMELY, TABLES, CHAIRS, BENCHES, STOOLS, BEDS, CHESTS, DRESSERS, BOOKCASES, DESKS, MIRRORS, SCREENS, GARDEN FURNITURE—NAMELY, STONE AND IRON TABLES, CHAIRS, AND BENCHES.
Claims use since March 1915.

Reg. No. 243,630. Registered June 26, 1928. POSTINDEX COMPANY, INC., Jamestown, N. Y. Republished by Art Metal Construction Company, Jamestown, N. Y., a corporation of Massachusetts.

POSTINDEX

FOR FILE CABINETS.
Claims use since September 1922.

Reg. No. 344,406. Registered Mar. 23, 1937. KAY MANUFACTURING CORPORATION, Brooklyn, N. Y., a corporation of New York. Republished by registrant.

KAY CROWN-LAST

FOR INNER SPRING UNITS FOR UPHOLSTERED CUSHIONS AND MATTRESSES.
Claims use since about Apr. 1, 1936.

Reg. No. 374,783. Registered Jan. 23, 1940. CHICAGO UPHOLSTERERS SUPPLY CO., Chicago, Ill. Republished by Chicago Upholsterers Supply Co., Chicago, Ill., a corporation of Illinois.

FOR UPHOLSTERY, PILLOW AND MATTRESS SPRINGS, AND SPRING UNITS.
Claims use since on or about April 1931.

Reg. No. 374,829. Registered Jan. 23, 1940. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Republished by Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York.

AIRLET

FOR MATTRESSES.
Claims use since Jan. 15, 1929.

Reg. No. 376,664. Registered Apr. 2, 1940. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Republished by Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York.

HI-FLEX

FOR MATTRESSES.
Claims use since Oct. 16, 1939.

Reg. No. 378,578. Registered June 11, 1940. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltress

FOR MATTRESSES.
Claims use since Dec. 30, 1935.

Reg. No. 379,648. Registered July 16, 1940. ECLIPSE SLEEP PRODUCTS, INC., Brooklyn, N. Y. Republished by Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York.

Magic

FOR STUDIOS, LOUNGES, AND CHAIRS.
Claims use since Nov. 1, 1939.

Reg. No. 385,212. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltee

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,213. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltrest

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,214. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltweave

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,215. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltwin

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,216. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltwoven

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,217. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltwrap

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,218. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzee

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,219. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzone

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,220. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzoned

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,221. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzoned

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,222. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzoned

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 385,223. Registered Feb. 18, 1941. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Quiltzoned

FOR MATTRESSES.
Claims use since on or about Jan. 15, 1940.

Reg. No. 408,067. Registered Aug. 31, 1943. ECLIPSE SLEEP PRODUCTS INC., Brooklyn, N. Y., a corporation of New York. Republished by registrant.

Comparitress

FOR MATTRESSES.
Claims use since on or about Nov. 5, 1942.

Reg. No. 431,491. Registered July 22, 1947. AMERICAN SEATING COMPANY, Grand Rapids, Mich., a corporation of New Jersey. Republished by registrant.

Universal

FOR CLASSROOM FURNITURE—NAMELY, SCHOOL CHAIRS, DESKS, AND TABLES.
Claims use since May 31, 1940.

Reg. No. 433,321. Registered Oct. 7, 1947. AMERICAN SEATING COMPANY, Grand Rapids, Mich., a corporation of New Jersey. Republished by registrant.

Envoy

FOR CLASSROOM CHAIRS.
Claims use since June 19, 1940.

CLASS 33

GLASSWARE

Reg. No. 230,697. Registered Aug. 2, 1927. SEMON BACHE & COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

SUNLIT

FOR SHEET GLASS, WINDOW GLASS, AND PLATE GLASS.
Claims use since Dec. 1, 1926.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 256,304. Registered May 14, 1929. ROCK ISLAND REGISTER COMPANY, Rock Island, Ill., a corporation of Illinois. Republished by registrant.

Universal

FOR SHOES AND RECEIVING BOXES FOR HOT-AIR FURNACES.
Claims use since June 8, 1927.

Reg. No. 360,287. Registered Sept. 21, 1937. WILLIAM B. STEPHENSON, doing business as Simplex Manufacturing Company, Chicago, Ill. Republished by registrant, present address Fond du Lac, Wis.

SIM-TROL

FOR DRAFT CONTROLS FOR FURNACES, BOILERS, AND SIMILAR HEATING EQUIPMENT.
Claims use since July 1936.

Reg. No. 375,661. Registered Feb. 27, 1940. GREAT LAKES FURNACE AND INSULATING CORPORATION, Buffalo, N. Y., a corporation of New York. Republished by registrant.

THERMO-JACKET

The word "Jacket" is disclaimed apart from the mark as shown.
FOR HOT AIR FURNACE COVERING JACKET COMPRISING MINERAL WOOL INSULATION AND SHEET METAL SHEATHING.
Claims use since about July 1, 1932.

Reg. No. 381,488. Registered Sept. 24, 1940. LOCKE STOVE COMPANY, Kansas City, Mo., a corporation of Missouri. Republished by registrant.

"WARM MORNING"

FOR HEATING STOVES USING COAL, WOOD, AND COKE FUELS.
Claims use since on or about August 1939.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 313,280. Registered May 22, 1934. PLANT RUBBER & ASBESTOS WORKS, San Francisco, Calif. Republished by The Paraffine Companies, Inc., San Francisco, Calif., a corporation of Delaware.

FLANT

FOR PACKINGS MADE OF ASBESTOS, RUBBER, FLAX, JUTE, COTTON, AND SEMI-METALLIC COMPOSITION, FOR USE IN PACKING JOINTS IN MACHINERY AND PIPE LINES.
Claims use since about Nov. 1, 1930.

Reg. No. 417,341. Registered Oct. 23, 1945. CONTINENTAL PRODUCTS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

WORLD

FOR PNEUMATIC TIRE TUBES.
Claims use since 1919.

CLASS 37

PAPER AND STATIONERY

Reg. No. 110,219. Registered May 9, 1916. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

TRUTONE

FOR PAPER TABLETS.
Claims use since 1909.

Reg. No. 110,322. Registered May 16, 1916. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

HIGHEST MERIT

The words "Highest Merit" are disclaimed apart from the mark as shown.
FOR PAPER TABLETS.
Claims use since Oct. 1, 1915.

Reg. No. 114,273. Registered Dec. 5, 1916. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

DIPLOMA

FOR TABLETS, COMPOSITION BOOKS, AND NOTE-BOOKS.
Claims use since June 1, 1916.

Reg. No. 121,938. Registered June 11, 1918. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

EDUCATOR

FOR WRITING TABLETS, COMPOSITION BOOKS, STUDENT NOTEBOOKS, PRINTING, AND WRITING PAPERS.
Claims use since Dec. 6, 1916.

Reg. No. 122,769. Registered June 29, 1920. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

HYCLASS

FOR WRITING AND PRINTING PAPERS AND WRITING TABLETS.
Claims use since August 1912.

Reg. No. 134,424. Registered Aug. 31, 1920. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

Flaxlaid

FOR WRITING TABLETS, MAILING ENVELOPS, PAPETERIES, AND WRITING PAPER.
Claims use since Dec. 1, 1911.

Reg. No. 155,106. Registered May 16, 1922. UNITED PAPER COMPANY, Atlanta, Ga. Republished by United Paper Company, Tampa, Fla., a corporation of Delaware.

UNITED PAPER COMPANY

FOR FRUIT AND VEGETABLE WRAPPERS.
Claims use since 1903.

Reg. No. 156,748. Registered July 11, 1922. LINTON & SCOTT, New York, N. Y. Republished by Stevens & Thompson Paper Co., Greenwich, N. Y., a corporation of New York.

Luxury

FOR TOILET PAPER.
Claims use since Apr. 15, 1917.

Reg. No. 166,137. Registered Mar. 27, 1923. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

GOLDEN

FOR WRITING TABLETS, WRITING AND PRINTING PAPER, MAILING AND CORRESPONDENCE ENVELOPES, AND PAPETERIES.
Claims use since Mar. 10, 1913.

Reg. No. 180,690. Registered Mar. 4, 1924. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

TRIPLE X

FOR WRITING TABLETS, SCHOOL TABLETS, COMPOSITION BOOKS, STUDENT NOTEBOOKS, ENVELOPES, PAPETERIES, LOOSE-LEAF PACKAGE PAPER, AND LOOSE-LEAF BINDERS.
Claims use since 1912.

Reg. No. 214,277. Registered June 15, 1926. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The picture of the core is disclaimed apart from the showing of the blue interior. The drawing is lined for blue.
FOR TOILET PAPER.
Claims use since Dec. 7, 1925.

Reg. No. 219,403. Registered Oct. 19, 1926. UNITED PAPER COMPANY, Atlanta, Ga. Republished by United Paper Company, Tampa, Fla., a corporation of Delaware.

UNITED

VEGETABLE

The word "Vegetable" is disclaimed apart from the mark as shown. The drawing is lined for red.
FOR WRAPPING PAPER.
Claims use since December 1901.

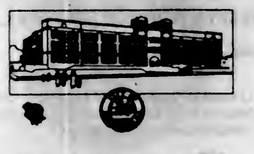
Reg. No. 226,935. Registered Apr. 26, 1927. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

MONITOR

FOR WRITING TABLETS, SCHOOL TABLETS, COMPOSITION BOOKS, STUDENT NOTEBOOKS, EXAMINATION BOOKS, SPELLING BOOKS, DRAWING BOOKS, LOOSE-LEAF PAPERS, AND LOOSE-LEAF BINDERS.
Claims use since Jan. 15, 1904.

Reg. No. 228,077. Registered May 24, 1927. BIRMINGHAM PAPER COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

BIRMINGHAM SCHOOL



The words "Birmingham School" and "City of Birmingham, Ala." are disclaimed apart from the mark as shown.
FOR WRITING PAPER, DRAWING PAPER, TABLETS, AND COMPOSITION BOOKS.
Claims use since 1909.

Reg. No. 235,728. Registered Nov. 22, 1927. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The words "Folded Towels" are disclaimed apart from the mark as shown.
FOR FOLDED PAPER TOWELS.
Claims use since May 5, 1927.

Reg. No. 239,305. Registered Feb. 28, 1928. UNITED STATES ENVELOPE COMPANY, Springfield, Mass., a corporation of Maine. Republished by registrant.

Rapetex

FOR MAILING ENVELOPES.
Claims use since Jan. 1, 1927.

Reg. No. 261,341. Registered Sept. 17, 1929. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NOR-FOLD

FOR PAPER TOWELS.
Claims use since Jan. 12, 1929.

Reg. No. 262,563. Registered Oct. 15, 1929. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The word "Gauze" is disclaimed apart from the mark as shown. The drawing is lined for the color blue.
FOR TOILET PAPER.
Claims use since Jan. 21, 1928.

Reg. No. 264,591. Registered Nov. 26, 1929. FRANK SMYTHSON LIMITED, London, England, a corporation of Great Britain. Republished by registrant.

FRANK SMYTHSON'S

"WAFER"

FOR DIARIES.
Claims use since Oct. 1, 1918.

Reg. No. 304,775. Registered July 18, 1933. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Softo

FOR TOILET PAPER.
Claims use since Mar. 25, 1929.

Reg. No. 305,106. Registered Aug. 1, 1933. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SANI SOFT

The word "Soft" is disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Mar. 14, 1933.

Reg. No. 311,720. Registered Apr. 3, 1934. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SANITEX

FOR TOILET PAPER.
Claims use since Mar. 15, 1933.

Reg. No. 321,388. Registered Jan. 29, 1935. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

FLUFF·LIN

FOR TOILET PAPER.
Claims use since Mar. 16, 1934.

Reg. No. 347,847. Registered June 22, 1937. NORTHERN

Reg. No. 323,729. Registered Apr. 30, 1935. SANITOR MANUFACTURING CO., NOT INC., Chicago, Ill. Republished by John C. Thomasma, doing business as Sanitor Manufacturing Co., Chicago, Ill.

Sanitor

The Modern Guardian of Public Health

The phrase "The Modern Guardian of Public Health" is disclaimed apart from the mark as shown.
FOR PAPER TOILET SEAT COVERS.
Claims use since Nov. 15, 1931.

Reg. No. 337,930. Registered Aug. 25, 1936. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SNO-LIN

FOR TOILET TISSUE PAPER.
Claims use since Feb. 21, 1936.

Reg. No. 338,734. Registered Sept. 15, 1936. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SNOWKIST

FOR PAPER NAPKINS.
Claims use since Feb. 2, 1922.

Reg. No. 339,239. Registered Sept. 29, 1936. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

The words "Quality Tissues," "One Thousand Sheets" and the figures "4⅛ x 5 in." are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Jan. 22, 1929.

Reg. No. 339,610. Registered Oct. 13, 1936. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

The words "Soft" and "Tissue" are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since May 8, 1936.

Reg. No. 340,732. Registered Nov. 17, 1936. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

Guest
TISSUE

The word "Tissue" is disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since June 20, 1928.

Reg. No. 342,603. Registered Jan. 19, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The word "Tissue" is disclaimed apart from the mark as shown.
FOR TOILET (TISSUE) PAPER.
Claims use since June 13, 1936.

Reg. No. 344,660. Registered Mar. 30, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORPAC

FOR TOILET (TISSUE) PAPER.
Claims use since Jan. 29, 1934.

Reg. No. 344,661. Registered Mar. 30, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SOFPAC

FOR TOILET (TISSUE) PAPER.
Claims use since Jan. 18, 1934.

Reg. No. 344,662. Registered Mar. 30, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

STERILIN

FOR TOILET (TISSUE) PAPER.
Claims use since Aug. 13, 1936.

Reg. No. 344,671. Registered Mar. 30, 1937. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

Prinscript

FOR STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS, ENVELOPES, AND PAPETERIES.
Claims use since Nov. 2, 1936.

Reg. No. 345,716. Registered May 4, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORTHERN

FOR PAPER TOWELS.
Claims use since Mar. 3, 1917.

Reg. No. 345,717. Registered May 4, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Northern
BANQUET

FOR PAPER NAPKINS.
Claims use since Jan. 19, 1935.

Reg. No. 347,346. Registered June 22, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

ECONDEX

FOR PAPER TOWELS.
Claims use since July 7, 1923.

Reg. No. 347,347. Registered June 22, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Flush

FOR TOILET TISSUE PAPER.
Claims use since Dec. 12, 1928.

Reg. No. 347,607. Registered June 29, 1937. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

The words "5 Ounces" and "Toilet Tissue" are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since May 24, 1926.

Reg. No. 347,919. Registered July 13, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Northern
Handy
TOWELS

The words "Handy Towels" are disclaimed apart from the mark as shown.
FOR PAPER TOWELS.
Claims use since Dec. 23, 1932.

Reg. No. 347,920. Registered July 13, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Northern
SERVICE ROLL

The words "Service Roll" are disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Jan. 30, 1934.

Reg. No. 348,168. Registered July 20, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORTHERN
HOMETOWLS

The word "Hometowls" is disclaimed apart from the mark as shown.
FOR PAPER TOWELS.
Claims use since Jan. 23, 1930.

Reg. No. 350,290. Registered Sept. 21, 1937. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORMEDAL

FOR TOILET PAPER.
Claims use since Feb. 1, 1922.

Reg. No. 351,352. Registered Oct. 26, 1937. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

EATON'S
18 93
FINE LETTER PAPERS

The term "Fine Letter Papers" and the numerals "1893" are disclaimed apart from the mark as shown.
FOR PAPETERIES, CONSISTING OF POUND PAPERS AND BULK ENVELOPES.
Claims use since June 3, 1935.

Reg. No. 353,542. Registered Jan. 11, 1938. BIRMINGHAM PAPER COMPANY, Birmingham, Ala., a corporation of Alabama. Republished by registrant.

NIFTY

FOR SCHOOL TABLETS, PADS, BLANK BOOKS, LOOSE LEAF FILLERS, NOTEBOOKS, NOTE BOOK COVERS, AND CORRESPONDENCE AND TYPEWRITER PAPER AND ENVELOPES.
Claims use since 1908.

Reg. No. 354,947. Registered Mar. 1, 1938. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

BIPLEX

FOR TOILET PAPER.
Claims use since July 29, 1937.

Reg. No. 366,102. Registered Mar. 28, 1939. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

BERKSHIRE

FOR TYPEWRITER PAPER.
Claims use since as early as the year 1893.

Reg. No. 366,592. Registered Apr. 18, 1939. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

Guest

FOR PAPER TOWELS.
Claims use since Oct. 29, 1938.

Reg. No. 367,495. Registered May 16, 1939. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Linworth

FOR TOILET TISSUE PAPER.
Claims use since Nov. 17, 1938.

Reg. No. 367,646. Registered May 23, 1939. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

MARVLIN

FOR TOILET TISSUE PAPER.
Claims use since Dec. 29, 1938.

Reg. No. 367,647. Registered May 23, 1939. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

SHAMRAY

FOR TOILET TISSUE PAPER.
Claims use since Dec. 29, 1938.

Reg. No. 368,699. Registered June 27, 1939. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORTHERN
FACIAL TISSUES

The words "Facial Tissues" are disclaimed apart from the mark as shown. The lining indicates the color green which is an essential feature of the mark.
FOR FACIAL TISSUE.
Claims use since Oct. 21, 1938.

Reg. No. 368,891. Registered July 4, 1939. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

EMINENCE

FOR TYPEWRITER PAPER.
Claims use since Apr. 1, 1928.

Reg. No. 368,892. Registered July 4, 1939. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

SOUVENIR

FOR TYPEWRITER PAPER.
Claims use since Feb. 4, 1907.

Reg. No. 368,893. Registered July 4, 1939. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

VESPER

FOR TYPEWRITER PAPER.
Claims use since Oct. 15, 1906.

Reg. No. 370,206. Registered Aug. 22, 1939. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

EATON'S
BERKSHIRE

FOR TYPEWRITER PAPER.
Claims use since Sept. 26, 1938.

Reg. No. 375,122. Registered Feb. 6, 1940. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

FLIGHTLETTER

FOR STATIONERY CONSISTING OF WRITING PAPER AND ENVELOPES.
Claims use since Sept. 28, 1939.

Reg. No. 376,522. Registered Mar. 20, 1940. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

LINSPUN

FOR TOILET TISSUE PAPER.
Claims use since Sept. 11, 1939.

Reg. No. 377,151. Registered Apr. 23, 1940. STEVENS & THOMPSON PAPER CO., New York, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

SOFT
SPUN

The word "Soft" is disclaimed apart from the mark as shown.
FOR PAPER TOWELS.
Claims use since Oct. 26, 1938.

Reg. No. 378,475. Registered June 11, 1940. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Linfine

FOR BATHROOM TISSUE.
Claims use since Oct. 24, 1939.

Reg. No. 380,488. Registered Aug. 20, 1940. UNITED PAPER COMPANY, Tampa, Fla., a corporation of Delaware. Republished by registrant.

PERT

FOR TOILET PAPER, PAPER TOWELS, PAPER FACIAL TISSUE, AND PAPER NAPKINS.
Claims use since Mar. 20, 1940.

Reg. No. 392,920. Registered Jan. 20, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·LON

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 398,389. Registered Oct. 27, 1942. STEVENS & THOMPSON PAPER CO., Greenwich, N. Y., a corporation of New York. Republished by registrant.

PILLOW

FOR TOILET TISSUE AND TOWELS.
Claims use since Apr. 9, 1941.

Reg. No. 399,139. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,140. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,141. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,142. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,143. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,144. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,145. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,146. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,147. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,148. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,149. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,150. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,151. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,152. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,153. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,154. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 399,155. Registered Nov. 24, 1942. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DI·NOC

FOR DECORATIVE COATED PAPER, EMPLOYED AS SURFACING MEDIA.
Claims use since May 8, 1941.

Reg. No. 402,500. Registered July 27, 1943. BANK OF AMERICA NATIONAL TRUST AND SAVINGS ASSOCIATION, San Francisco, Calif., a corporation of California. Republished by registrant.

TENPLAN

FOR CHECK BOOKS.
Claims use since Jan. 20, 1943.

Reg. No. 416,750. Registered Sept. 25, 1945. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

Love Letters

The word "Letters" is disclaimed apart from the mark as shown.
FOR WRITING PAPER AND ENVELOPES.
Claims use since Apr. 15, 1943.

Reg. No. 418,783. Registered Jan. 8, 1946. UNITED PAPER COMPANY, Tampa, Fla., a corporation of Delaware. Republished by registrant.

FOR WAXED PAPER, WAXED INNERWRAP AND WRAPPING PAPERS, WAXED BREAD WRAPS, WAXED BUTCHER AND DELICATESSEN PAPERS.
Claims use since November 1938.

Reg. No. 420,382. Registered Apr. 9, 1946. UNITED PAPER COMPANY, Tampa, Fla., a corporation of Delaware. Republished by registrant.

WAXWING

FOR WAXED PAPER, WAXED INNER WRAP AND WRAPPING PAPERS, WAXED BREAD WRAPS, WAXED BUTCHER AND DELICATESSEN PAPERS.
Claims use since November 1938.

Reg. No. 421,794. Registered June 18, 1946. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

NORTHERN

FOR PAPER PRODUCTS—NAMELY, TOILET TISSUE, TOWELS, NAPKINS, FACIAL TISSUE, AND TABLE CLOTHS AND MATS.
Claims use since Apr. 24, 1902.

Reg. No. 423,741. Registered Sept. 10, 1946. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The lining shown on the drawing represents the color blue which is an essential feature of the mark.
FOR PAPER PRODUCTS—NAMELY, TOILET TISSUE, TOWELS, NAPKINS, AND FACIAL TISSUE.
Claims use since Sept. 16, 1939.

Reg. No. 434,564. Registered Nov. 25, 1947. S. D. WARREN COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

PLASTIPAK

FOR PAPER MANUFACTURED FOR USE AS GREASE-PROOF WRAPPING PAPER—NAMELY, A HEAVYWEIGHT INDUSTRIAL PAPER USED FOR WRAPPING MACHINERY PARTS WHICH ARE PACKED IN GREASE.
Claims use since Sept. 13, 1945.

Reg. No. 435,279. Registered Dec. 16, 1947. PETER J. SCHWEITZER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

The drawing is lined to represent the color orange.
FOR CIGARETTE PAPER IN SHEET FORM.
Claims use since Nov. 1, 1946.

Reg. No. 435,647. Registered Jan. 6, 1948. FRANKLIN RESEARCH COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

LOCKED IN

FOR PRINTING PAPER.
Claims use since July 31, 1946.

CLASS 38
PRINTS AND PUBLICATIONS

Reg. No. 46,028. Registered Sept. 5, 1905. GOOD HOUSEKEEPING Co., New York, N. Y. Republished by Hearst Magazines Inc., New York, N. Y., a corporation of Delaware.

GOOD HOUSEKEEPING

FOR MAGAZINE OR PERIODICAL PUBLISHED MONTHLY.
Claims use since 1889.

Reg. No. 139,981. Registered Mar. 1, 1921. THE FOOD TRADE PUBLISHING COMPANY, New York, N. Y. Republished by The National Provisioner, Inc., Chicago, Ill., a corporation of New York.

THE NATIONAL PROVISIONER

FOR PERIODICAL PUBLICATION PUBLISHED WEEKLY.
Claims use since about 1890.

Reg. No. 247,261. Registered Sept. 25, 1928. THE NATIONAL PROVISIONER, INC., Chicago, Ill., a corporation of New York. Republished by registrant.

Daily Market Service

FOR PERIODICAL PUBLICATION PUBLISHED AT THE PRESENT TIME DAILY WITH THE EXCEPTION OF SATURDAYS, SUNDAYS, AND HOLIDAYS.
Claims use since Aug. 11, 1924.

Reg. No. 331,781. Registered Jan. 21, 1936. BRIGGS & STRATTON CORPORATION, Milwaukee, Wis., a corporation of Delaware. Republished by registrant.

BASCO

FOR KEY CODE CHARTS DISTRIBUTED TO THE TRADE AS SUCH.
Claims use since March 1933.

Reg. No. 386,276. Registered Apr. 1, 1941. MABEL M. SWAN, Brookline, Mass. Republished by Estate of Mabel M. Swan, deceased, Brookline, Mass., by Robert H. Haynes and Edgar Pinto, executors.

FOR ALMANAC.
Claims use since 1792.

CLASS 39
CLOTHING

Reg. No. 70,885. Registered Oct. 13, 1908. THE INTERNATIONAL MANUFACTURING Co., New York, N. Y. Republished by The International Handkerchief Mfg. Co., New York, N. Y., a corporation of New York.

FOR HANDKERCHIEFS.
Claims use since May 21, 1908.

Reg. No. 70,886. Registered Oct. 13, 1908. THE INTERNATIONAL MANUFACTURING Co., New York, N. Y. Republished by The International Handkerchief Mfg. Co., New York, N. Y., a corporation of New York.

FOR HANDKERCHIEFS.
Claims use since May 21, 1908.

Reg. No. 79,019. Registered July 26, 1910. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

RUE DE LA PAIX

FOR WOMEN'S AND MEN'S GLOVES.
Claims use since Feb. 15, 1910.

Reg. No. 82,711. Registered July 18, 1911. A. E. NETTLETON COMPANY, Syracuse, N. Y., a corporation of New York. Republished by registrant.

Nettleton

FOR MEN'S AND BOYS' SHOES.
Claims use since July 1, 1879.

Reg. No. 112,146. Registered Aug. 22, 1916. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

Down Stairs Store

FOR DRESS GOODS IN THE PIECE; FLANNELS; WHITE GOODS IN THE PIECE; SILK FABRICS IN THE PIECE; VELVETS; LININGS; LINENS IN THE PIECE; TAPESTRY FABRICS IN THE PIECE; ARMURE FABRICS IN THE PIECE; CRETONNE FABRICS IN THE PIECE; REP FABRICS IN THE

PIECE; SWISS FABRICS IN THE PIECE; MADRAS FABRICS IN THE PIECE; LACES; VEILINGS; CHIFFONS; RIBBONS; HANDKERCHIEFS; SHEETS; PILLOW AND BOLSTER CASES; PILLOW COVERS; CUSHION COVERS; BEDSPREADS; BLANKETS; QUILTS; TABLE COVERS; TABLE CLOTHS; CENTER PIECES; TABLE RUNNERS; NAPKINS; DOILIES; TOWELS; BUREAU SCARFS; BUREAU COVERS; BUREAU SETS, WASHSTAND COVERS; WASHSTAND SPLASHERS; WASHSTAND SETS; CURTAINS; LACE CURTAINS; MADRAS CURTAINS; TAPESTRY CURTAINS; VELOUR CURTAINS; LACE PANELS; MOSQUITO NETTING; AWNING FABRICS IN THE PIECE; TEXTILE RUGS; CARPETS; MATTINGS.

Claims use since about Feb. 26, 1916.

Reg. No. 138,625. Registered Jan. 4, 1921. GERSON & GOODMAN, Philadelphia, Pa. Republished by Gerson-Goodman Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

RO MAR

FOR MEN'S DRESS AND NEGLIGEE SHIRTS.
Claims use since May 27, 1920.

Reg. No. 170,439. Registered July 17, 1923. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

UNIVERSITY

FOR MEN'S LEATHER GLOVES.
Claims use since Oct. 21, 1922.

Reg. No. 187,321. Registered July 29, 1924. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

QUEEN VICTORIA

FOR HOSIERY.
Claims use since about Feb. 1, 1908.

Reg. No. 212,780. Registered May 11, 1926. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

BREAD & BUTTER

FOR HOSIERY.
Claims use since June 1923.

Reg. No. 234,129. Registered Oct. 18, 1927. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., a corporation of New York. Republished by registrant, present addresses New York, N. Y., and St. Louis, Mo.

THE Tramp

FOR LEATHER SHOES.
Claims use since Dec. 1, 1903.

Reg. No. 237,980. Registered Jan. 24, 1928. J. FRIEDMAN & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

ROCKLYN TWISTS

The word "Twists" is disclaimed apart from the mark as shown.

FOR MEN'S AND YOUNG MEN'S COATS, VESTS, AND TROUSERS.
Claims use since May 1927.

Reg. No. 239,827. Registered Feb. 28, 1928. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CLOVER LANE

FOR LADIES' AND MISSES' HATS.
Claims use since June 15, 1927.

Reg. No. 239,572. Registered Mar. 6, 1928. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Rosemont

FOR LADIES' AND MISSES' HATS.
Claims use since June 15, 1927.

Reg. No. 240,165. Registered Mar. 20, 1928. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Milbrae

FOR LADIES' AND MISSES' HATS.
Claims use since Sept. 19, 1927.

Reg. No. 248,015. Registered Oct. 16, 1928. PECK & PECK, New York, N. Y., a corporation of New York. Republished by registrant.

SILKEN SNARE

The word "Silken" is disclaimed apart from the mark as shown.

FOR HOSIERY.
Claims use since January 1928.

Reg. No. 251,441. Registered Jan. 8, 1929. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

"Stoutfella"

FOR BOYS' SUITS AND OVERCOATS IN ALL SIZES.
Claims use since Apr. 3, 1928.

Reg. No. 267,747. Registered Feb. 25, 1930. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

Harleigh

FOR BOYS' CLOTHING—NAMELY, COATS, VESTS, TROUSERS, AND OVERCOATS.
Claims use since Sept. 2, 1927.

Reg. No. 286,413. Registered Aug. 25, 1931. A. E. NETTLETON COMPANY, Syracuse, N. Y., a corporation of New York. Republished by registrant.

ALGONQUIN

FOR MEN'S AND BOYS' SHOES.
Claims use since Sept. 1, 1930.

Reg. No. 291,657. Registered Feb. 23, 1932. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

COLORPACKERCHIEF

FOR HANDKERCHIEFS.
Claims use since Oct. 15, 1931.

Reg. No. 298,355. Registered Oct. 25, 1932. H. & L. BLOCK, LTD., San Francisco, Calif. Republished by H & L Block, San Francisco, Calif., a corporation of California.

Del Monte

FOR COATS AND LEATHER COATS, LEATHER VESTS, LEATHER BREECHES, WOOL BLAZERS, NECKTIES, LEATHER GLOVES, FOR MEN, WOMEN, AND CHILDREN.
Claims use since February 1931.

Reg. No. 298,483. Registered Oct. 25, 1932. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

The Young Washingtonian Shop

The word "Shop" is disclaimed apart from the mark as shown.

FOR WOMEN'S APPAREL—NAMELY, GLOVES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF, COATS, SUITS, DRESSES, CORSETS, UNDERWEAR, MADE OF KNITTED, NETTED, AND TEXTILE FABRIC, SHOES MADE OF LEATHER, RUBBER, FABRIC, OR ANY COMBINATION THEREOF; HOSIERY, MILLINERY—NAMELY, HATS, CAPS, AND BERETS.
Claims use since Dec. 9, 1931.

Reg. No. 298,726. Registered Nov. 1, 1932. H. & L. BLOCK, LTD., San Francisco, Calif. Republished by H & L Block, San Francisco, Calif., a corporation of California.

GUARANTEED KORDO-HIDE WASHABLE

The words "Guaranteed," "Hide," and "Washable" are disclaimed apart from the mark as shown.

FOR COATS AND LEATHER COATS, LEATHER JACKETS, LEATHER VESTS, LEATHER BREECHES, LEATHER GLOVES FOR MEN, WOMEN, AND CHILDREN.
Claims use since May 17, 1932.

Reg. No. 299,865. Registered Dec. 27, 1932. KEARNS BROTHERS, INC., Pinckneyville, Ill. Republished by Gerson & Kaplan Garment Manufacturers, Inc., Houston, Tex., a corporation of Texas.

KAYBRO

FOR WOMEN'S DRESSES.
Claims use since Aug. 1, 1932.

Reg. No. 318,345. Registered Oct. 23, 1934. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

SOME SHIRT SALE

The words "Shirt Sale" are disclaimed apart from the mark as shown.

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS.
Claims use since June 1927.

Reg. No. 321,165. Registered Jan. 22, 1935. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Republished by William Netzky, trading as Susquehanna Waist Company, Philadelphia, Pa.

Linen Lady

The word "Linen" is disclaimed apart from the mark as shown.

FOR LADIES' BLOUSES AND DRESSES.
Claims use since Mar. 1, 1934.

Reg. No. 324,218. Registered May 14, 1935. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

Grenadier

FOR HANDKERCHIEFS.
Claims use since Oct. 24, 1934.

Reg. No. 327,608. Registered Sept. 3, 1935. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

FOR HANDKERCHIEFS.
Claims use since Oct. 24, 1934.

Reg. No. 332,385. Registered Feb. 11, 1936. THE FORM-FIT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

INFLATION

FOR BRASSIÈRES AND FOUNDATION GARMENTS.
Claims use since June 27, 1935.

Reg. No. 334,511. Registered May 5, 1936. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Republished by William Netzky, trading as Susquehanna Waist Company, Philadelphia, Pa.

Gardette

FOR LADIES' BLOUSES AND DRESSES.
Claims use since Dec. 26, 1935.

Reg. No. 337,345. Registered Aug. 4, 1936. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

CAMPUS HALL

FOR MEN'S AND BOYS' FELT AND STRAW HATS.
Claims use since Aug. 1, 1935.

Reg. No. 337,786. Registered Aug. 18, 1936. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

LEESTON

FOR MEN'S AND WOMEN'S FELT AND STRAW HATS.
Claims use since Mar. 20, 1934.

Reg. No. 339,471. Registered Oct. 6, 1936. THE HECHT COMPANY, Baltimore, Md., New York, N. Y., and Washington, D. C., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

Roland Hall

FOR BOYS' SUITS.
Claims use since Feb. 14, 1936.

Reg. No. 343,454. Registered Feb. 23, 1937. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

VENT-O-LITE

The word "Lite" is disclaimed apart from the mark as shown.

FOR MEN'S AND BOYS' FELT AND STRAW HATS.
Claims use since Feb. 11, 1933.

Reg. No. 344,744. Registered Apr. 6, 1937. KELLY & DOHERTY, New York, N. Y. Republished by Frank J. Doherty, doing business as Doherty Hosiery Co., New York, N. Y.

Celtic

FOR HOSIERY FOR LADIES, MEN, AND CHILDREN.
Claims use since Jan. 2, 1935.

Reg. No. 345,934. Registered May 11, 1937. TRUHU SILK CORPORATION, New York, N. Y. Republished by Truhu Fabrics Corporation, New York, N. Y., a corporation of New York.

TRUHU

FOR WOMEN'S AND MISSES' HATS, COATS, DRESSES, SUITS, SWEATERS, BATHING SUITS,

BEACH ROBES, HOSIERY, AND UNDERWEAR; HATS, CAPS, SUITS, OVERCOATS, TOP COATS, TROUSERS, JACKETS, AND COATS FOR MEN AND BOYS; WEARING APPAREL OF SILK, RAYON OR COMBINATIONS THEREOF FOR MEN AND BOYS—NAMELY, VESTS AND SWEATERS, PULL-OVERS, STOCKINGS, SOCKS, HALF HOSE, SPORT HOSE, GOLF HOSE AND ANKLETS, SWIM SUITS, BATHING SUITS, BATHING SHIRTS, SHORTS AND TRUNKS, BATH ROBES, BEACH ROBES, AND SCARFS, MUFFLERS, NEGLIGEE AND SPORT SHIRTS, UNDERWEAR, AND GLOVES.
Claims use since Mar. 30, 1920.

Reg. No. 347,483. Registered June 29, 1937. A. DAVIS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPER-TAILORED

The word "Tailored" is disclaimed apart from the mark as shown.

FOR WOMEN'S AND MISSES' COATS AND SUITS.
Claims use since September 1932.

Reg. No. 360,086. Registered Sept. 6, 1938. J. FRIEDMAN & CO., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Edenboro

FOR MEN'S AND YOUNG MEN'S CLOTHING—NAMELY, COATS, VESTS, PANTS, SUITS, TOP COATS, AND OVERCOATS.
Claims use since Oct. 31, 1937.

Reg. No. 362,784. Registered Nov. 29, 1938. A. E. NETTLETON COMPANY, Syracuse, N. Y., a corporation of New York. Republished by registrant.

LAZY LACER

The word "Lacer" is disclaimed apart from the mark as shown.

FOR LADIES', MEN'S, AND BOY'S SHOES MADE OF LEATHER, RUBBER, FABRIC, AND VARIOUS COMBINATIONS OF SUCH MATERIALS.
Claims use since July 5, 1938.

Reg. No. 366,320. Registered Apr. 11, 1939. I. SCHNEIERSON & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Loomcraft

FOR LADIES' CHEMISES, PRINCESS SLIPS, BLOOMERS, STEP-INS, PAJAMAS, AND NIGHTGOWNS, OF A TEXTILE FABRIC.
Claims use since Apr. 23, 1937.

Reg. No. 367,787. Registered May 30, 1939. LEOPOLD MORSE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

MORSMORA

FOR MEN'S OVERCOATS.
Claims use since Feb. 18, 1935.

Reg. No. 368,000. Registered June 6, 1939. LEOPOLD MORSE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

kashmora

FOR MEN'S TOPCOATS.
Claims use since Nov. 9, 1934.

Reg. No. 371,501. Registered Sept. 26, 1939. WILLIAM NETZKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Republished by registrant.

SHIP 'N SHORE

FOR LADIES' SPORTSWEAR OUTER GARMENTS—NAMELY, SHORTS, SKIRTS, AND SHIRTS.
Claims use since Apr. 20, 1939.

Reg. No. 373,067. Registered Nov. 21, 1939. THE FORM-FIT COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

"SKIPPIES"

FOR GIRDLES AND FOUNDATION GARMENTS.
Claims use since July 1935.

Reg. No. 377,495. Registered May 7, 1940. CARITY HOSIERY COMPANY, Philadelphia, Pa. Republished by David Carity, Philadelphia, Pa.

LADY SMARTWEAR

The word "Smartwear" is disclaimed apart from the mark as shown.

FOR WOMEN'S HOSE.
Claims use since Jan. 1, 1933.

Reg. No. 386,725. Registered Apr. 22, 1941. H & L BLOCK, LTD., San Francisco, Calif. Republished by H & L Block, San Francisco, Calif., a corporation of California.

Dr. Jekyll

and

Mr. Hyde

FOR OUTER SHIRTS.
Claims use since Oct. 19, 1940.

Reg. No. 387,155. Registered May 6, 1941. MOON-GLOW GARMENT CO., Los Angeles, Calif. Republished by Morse & Morse, Inc., Los Angeles, Calif., a corporation of California.

The words "From Hollywood" and the representation of the four stars are disclaimed apart from the mark as shown.

FOR MEN'S, WOMEN'S, BOYS', AND GIRLS' CLOTHING—NAMELY, TURBANS, WOMEN'S BLOUSES; MEN'S, WOMEN'S, BOYS', AND GIRLS' SLACK SUITS; MEN'S, WOMEN'S, BOYS', AND GIRLS' POLO SHIRTS, AND MEN'S AND WOMEN'S UNDERWEAR.
Claims use since June 2, 1938.

Reg. No. 387,383. Registered May 13, 1941. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts. Republished by registrant.

Jackle Twill

The word "Twill" is disclaimed apart from the mark as shown.

FOR SPORT JACKETS, JOCKEY CAPS, AVIATORS' JUMPERS, BASKETBALL TRUNKS, MAJORETTES' UNIFORMS, SOFT BALL UNIFORMS, ATHLETIC SHOES, HATS, SHOES, FOOTBALL PANTS, BAND UNIFORMS, DRIVE-IN-UNIFORMS, SLIPPERS, INDUSTRIAL UNIFORMS, CAPS, SHOE LININGS, SKI ENSEMBLES, SPORT JACKETS, FIGHTERS' TRUNKS, AND BAND SHAKOS.
Claims use since May 26, 1936.

Reg. No. 391,680. Registered Nov. 18, 1941. A. DAVIS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SEASON MASTER
FASHIONED BY Dae Derry

The words "Fashioned By Dae Derry" are disclaimed apart from the mark as shown.

FOR MISSES' COATS, SUITS, CAPES, JACKETS, AND COAT AND SUIT ENSEMBLES.
Claims use since January 1934.

Reg. No. 393,217. Registered Jan. 27, 1942. WISMAR MFG. CO., Los Angeles, Calif. Republished by Wismar Manufacturing Company, Inc., Los Angeles, Calif., a corporation of California.

FOR MEN'S AND BOYS' SPORT SHIRTS, DRESS SHIRTS, SWIM AND PLAY TRUNKS, SLACKS, SPORT JACKETS, AND SPORT COATS.
Claims use since Apr. 16, 1941.

Reg. No. 394,329. Registered Mar. 31, 1942. MORSE & MORSE, Los Angeles, Calif. Republished by Morse & Morse, Inc., Los Angeles, Calif., a corporation of California.

FOR LADIES' UNDERWEAR—NAMELY, PANTIES.
Claims use since June 2, 1938.

Reg. No. 394,474. Registered Apr. 7, 1942. A. DAVIS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

SUPER TAILORED DOUBLE BUTTEE

The words "Super Tailored" are disclaimed apart from the mark as shown.

FOR WOMEN'S, LADIES', AND MISSES' COATS, SUITS, AND JACKETS.
Claims use since Apr. 3, 1934.

Reg. No. 401,986. Registered June 22, 1943. CHARLES A. BLOCK, doing business as H & L Block, San Francisco, Calif. Republished by H & L Block, San Francisco, Calif., a corporation of California.

WINDBLOCK

FOR JACKETS FOR MEN, WOMEN, AND CHILDREN.
Claims use since on or about Nov. 15, 1942.

Reg. No. 433,886. Registered Oct. 14, 1947. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

The Pincers

FOR MEN'S AND BOYS' FUR FELT HATS.
Claims use since Oct. 2, 1944.

Reg. No. 433,493. Registered Oct. 14, 1947. THE FRANK H. LEE COMPANY, Danbury, Conn., a corporation of Connecticut. Republished by registrant.

Adventure

FOR MEN'S HATS.
Claims use since August 20, 1946.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 357,385. Registered June 7, 1938. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by Heirloom Needlework Guild, Inc., New York, N. Y., a corporation of New York.

Heirloom

FOR PARTLY FINISHED NEEDLE-POINT TAPESTRIES.
Claims use since July 1934.

Reg. No. 389,049. Registered July 22, 1941. WILLIAM NETSKY, doing business as Susquehanna Waist Company, Philadelphia, Pa. Republished by registrant.

Gardette

FOR DRESS SHIELDS.
Claims use since Dec. 26, 1935.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 46,210. Registered Sept. 12, 1905. WILLIAM SKINNER MANUFACTURING CO., Holyoke, Mass. Republished by William Skinner & Sons, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts.

FOR SILK AND SATIN PIECE GOODS, INCLUDING LINING SILKS AND SATINS, COTTON-BACKED SILKS AND SATINS, SERGES, AND MERVEILLEUX.
Claims use since about Jan. 1, 1853.

Reg. No. 112,146. Registered Aug. 22, 1916. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

Down Stairs Store

FOR DRESS GOODS IN THE PIECE; FLANNELS; WHITE GOODS IN THE PIECE; SILK FABRICS IN THE PIECE; VELVETS; LININGS; LINENS IN THE PIECE; TAPESTRY FABRICS IN THE PIECE; ARMURE FABRICS IN THE PIECE; CRETONNE FABRICS IN THE PIECE; REP FABRICS IN THE PIECE; SWISS FABRICS IN THE PIECE; MADRAS FABRICS IN THE PIECE; LACES; VEILINGS; CHIFFONS; RIBBONS; HANDKERCHIEFS; SHEETS; PILLOW AND BOLSTER CASES; PILLOW COVERS; CUSHION COVERS; BEDSPREADS; BLANKETS; QUILTS; TABLE COVERS; TABLE CLOTHS; CENTER PIECES; TABLE RUNNERS; NAPKINS; DOILIES; TOWELS; BUREAU SCARFS; BUREAU COVERS; BUREAU SETS, WASHSTAND COVERS; WASHSTAND SPLASHERS; WASHSTAND SETS; CURTAINS; LACE CURTAINS; MADRAS CURTAINS; TAPESTRY CURTAINS; VELOUR CURTAINS; LACE PANELS; MOSQUITO NETTING; AWNING FABRICS IN THE PIECE; TEXTILE RUGS; CARPETS; MATTINGS.
Claims use since about Feb. 26, 1916.

Reg. No. 147,658. Registered Oct. 25, 1921. NORTH BILLERICA CO., North Billerica, Mass., a corporation of Massachusetts. Republished by registrant.

Faulkner

FOR PIECE GOODS COMPOSED OF WOOL, PART WOOL, COTTON, PART COTTON, THE HAIR OF THE CAMEL, GOAT, AND ALPACA, AND FOR COTTON AND WOOL AND PART COTTON AND WOOL BLANKETS, AND COTTON AND WOOL AND PART COTTON BLANKET PIECE GOODS.
Claims use since 1811.

Reg. No. 154,388. Registered Apr. 11, 1922. WILLIAM SKINNER & SONS, New York, N. Y., and Holyoke, Mass., a common-law trust of Massachusetts. Republished by registrant.

SKINNER'S SATIN

FOR SILK, AND SILK AND COTTON FABRICS IN THE PIECE.
Claims use since October 1883.

Reg. No. 155,199. Registered May 23, 1922. ATLANTIC MILLS, Providence, R. I. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

Velvolaine

FOR WOOLEN PIECE GOODS.
Claims use since Oct. 1, 1921.

Reg. No. 169,627. Registered June 26, 1923. L. & E. STERN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

SUNGLEAM

FOR ARTIFICIAL SILK IN THE PIECE.
Claims use since Sept. 1, 1922.

Reg. No. 221,327. Registered Nov. 30, 1926. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

SUNNINGDALE

FOR SHEETS AND PILLOW CASES.
Claims use since July 9, 1926.

Reg. No. 224,740. Registered Mar. 1, 1927. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Concordia

FOR SILK PIECE GOODS.
Claims use since June 10, 1926.

Reg. No. 230,343. Registered July 19, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

KAUFMANN'S

The word "Kaufmann's" is disclaimed apart from the mark as shown.

FOR COTTON BED SHEETS, LINEN BED SHEETS, COTTON PILLOWCASES, LINEN PILLOWCASES, COTTON BEDSPREADS, RAYON BEDSPREADS, SILK BEDSPREADS, COTTON BOLSTERS, RAYON BOLSTERS, LINEN BOLSTERS, COTTON COMFORTS, DOWN COMFORTS, WOOL COMFORTS, COTTON AND WOOL COMFORTS, COTTON BLANKETS, WOOL BLANKETS, COTTON AND WOOL MIXED BLANKETS, PART-WOOL BLANKETS, LINEN TABLECLOTHS (PLAIN AND EMBROIDERED), LINEN NAPKINS, LINEN DAMASK CLOTHS, LINEN DAMASK NAPKINS, LINEN SCARFS, DOILIES, BUFFET SETS, OVALS, OBLONGS, ROUNDS, LINEN TOWELS, COTTON TOWELS, LINEN TOWELING (BY THE YARD), SILK FABRICS (BY THE YARD), VELVET FABRICS (BY THE YARD), WOOL FABRICS (BY THE YARD), COTTON FABRICS (BY THE YARD), RAYON FABRICS (BY THE YARD), MUSLIN (BY THE YARD), LINEN (BY THE YARD), AND BEDTICKING OF COTTON.
Claims use since about Nov. 28, 1926.

Reg. No. 242,765. Registered June 5, 1928. A. S. HERRMANN, INC., New York, N. Y. Republished by Herrmann & Jacobs Corp., New York, N. Y., a corporation of New York.

Aristex

FOR TABLE LINENS, TOWELS, SHEETS, PILLOWCASES, BEDSPREADS, DOILIES, CARDTABLE SETS AND SCARFS OF LINEN, NAPKINS, LUNCHEON SETS, BOLSTER CASES, BOLSTER SHAMS, BREAKFAST SETS, TEA SETS, DINNER SETS OF LINEN.
Claims use since 1924.

Reg. No. 255,880. Registered Apr. 30, 1929. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Paris Même

FOR ARTIFICIAL SILK PIECE GOODS.
Claims use since Dec. 21, 1928.

Reg. No. 257,752. Registered June 18, 1929. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Larandah

FOR SILK PIECE GOODS.
Claims use since Feb. 28, 1929.

Reg. No. 258,153. Registered June 25, 1929. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Ellanee

FOR SILK PIECE GOODS, COTTON PIECE GOODS, SILK AND COTTON MIXED PIECE GOODS, ARTIFICIAL SILK PIECE GOODS, PIECE GOODS COMPOSED OF VARIOUS MIXTURES OF SILK, COTTON, AND ARTIFICIAL SILK, PILE-FABRIC PIECE GOODS, PILE-FABRIC RIBBONS, SILK RIBBONS, AND RIBBONS COMPOSED OF SILK AND COTTON MIXTURES.
Claims use since Mar. 6, 1929.

Reg. No. 261,386. Registered Sept. 17, 1929. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

PERRAH

FOR SILK PIECE GOODS, COTTON PIECE GOODS, SILK AND COTTON MIXED PIECE GOODS, ARTIFICIAL SILK PIECE GOODS, PIECE GOODS COMPOSED OF VARIOUS MIXTURES OF SILK, COTTON, AND ARTIFICIAL SILK, PILE-FABRIC PIECE GOODS, PILE-FABRIC RIBBONS, SILK RIBBONS, AND RIBBONS COMPOSED OF SILK AND COTTON MIXTURES.
Claims use since Jan. 11, 1929.

Reg. No. 261,821. Registered Sept. 24, 1929. SCHWARZWAELDER COMPANY, Philadelphia, Pa. Republished by Aldan Rubber Company, Philadelphia, Pa., a corporation of Pennsylvania.

Shamyglo

FOR WATERPROOF FABRICS.
Claims use since Mar. 15, 1929.

Reg. No. 270,616. Registered May 13, 1930. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Creperite

FOR CHIFFON AND SILK PIECE GOODS.
Claims use since Dec. 7, 1929.

Reg. No. 281,232. Registered Mar. 10, 1931. THE ATLANTIC MILLS, Olneyville, R. I., and Stottville, N. Y. Republished by A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware.

MELLO CREPE

The word "Crepe" is disclaimed apart from the mark as shown.
FOR WOOLEN TEXTILE FABRICS IN THE PIECE.
Claims use since about Jan. 1, 1928.

Reg. No. 283,133. Registered May 19, 1931. L. & E. STIRN, New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Halftone

FOR SILK PIECE GOODS, ARTIFICIAL SILK PIECE GOODS, AND PIECE GOODS COMPOSED OF VARIOUS MIXTURES OF SILK, COTTON, AND ARTIFICIAL SILK.
Claims use since Aug. 28, 1930.

Reg. No. 345,517. Registered Apr. 27, 1937. TRUHU SILK CORPORATION, New York, N. Y. Republished by Truhu Fabrics Corporation, New York, N. Y., a corporation of New York.

TRUHU

FOR SILK, ARTIFICIAL SILK, SILK AND ARTIFICIAL SILK, SILK AND WOOL, SILK AND COTTON, PIECE GOODS.
Claims use since Mar. 30, 1920.

Reg. No. 350,132. Registered Sept. 14, 1937. THE HECHT COMPANY, New York, N. Y., Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

WHITE BLOSSOM

FOR SHEETS AND PILLOW CASES.
Claims use since Dec. 1, 1936.

Reg. No. 353,084. Registered Dec. 21, 1937. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts. Republished by registrant.

Skinner's Five Hundred Crepe

The word "Crepe" is disclaimed apart from the mark as shown.
FOR SILK PIECE GOODS AND CREPE PIECE GOODS OF SILK AND/OR ARTIFICIAL SILK.
Claims use since 1925.

Reg. No. 358,919. Registered July 26, 1938. BRIDGEWATER WOOLEN COMPANY, Bridgewater, Vt., and New York, N. Y., a corporation of Vermont. Republished by registrant, present address Woodstock, Vt.

Mac Kenzie Tweeds

FOR WOOLEN FABRICS IN THE PIECE.
Claims use since 1880.

Reg. No. 375,119. Registered Feb. 6, 1940. L. & E. STIRN, INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

SPANIEL

FOR SILK, SATIN, RAYON AND COTTON FABRICS, AND MIXTURES THEREOF, IN THE PIECE.
Claims use since 1936.

Reg. No. 387,065. Registered Apr. 29, 1941. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts. Republished by registrant.

JackleTwill

The word "Twill" is disclaimed apart from the mark as shown.
FOR PIECE GOODS OF RAYON AND COTTON AND COMBINATIONS THEREOF.
Claims use since May 26, 1936.

Reg. No. 389,720. Registered Aug. 19, 1941. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts. Republished by registrant.

SUNBAK

FOR PIECE GOODS OF SILK, ARTIFICIAL SILK, SILK AND ARTIFICIAL SILK, SILK AND WOOL, SILK AND COTTON, AND COMBINATIONS THEREOF, FOR LININGS FOR CLOTHING.
Claims use since Feb. 14, 1941.

Reg. No. 394,813. Registered Apr. 28, 1942. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y., a common-law trust of Massachusetts. Republished by registrant.

COMBAT

FOR SILK, RAYON, AND COTTON PIECE GOODS, AND COMBINATIONS THEREOF.
Claims use since Nov. 5, 1941.

Reg. No. 396,147. Registered June 30, 1942. I. ZENDMAN, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Lady Carol Lace

The word "Lace" is disclaimed apart from the mark as shown.
FOR LACES IN THE PIECE.
Claims use since Feb. 1, 1941.

Reg. No. 403,538. Registered Sept. 28, 1943. L. & E. STERN INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

CONQUEST

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since Mar. 12, 1940.

Reg. No. 403,539. Registered Sept. 28, 1943. L. & E. STERN INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Elcova

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since July 21, 1938.

Reg. No. 403,701. Registered Oct. 12, 1943. L. & E. STERN INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

SUN LIFE

FOR DRESS FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since Mar. 9, 1942.

Reg. No. 404,271. Registered Nov. 16, 1943. L. & E. STERN INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

LOMELO

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since July 1, 1933.

Reg. No. 404,272. Registered Nov. 16, 1943. L. & E. STERN INC., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

ZUGRA

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since Dec. 31, 1935.

Reg. No. 418,028. Registered Nov. 27, 1945. CONCORDIA-GALLIA CORP., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Concordia-Gallia

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since Dec. 11, 1929.

Reg. No. 430,014. Registered June 3, 1947. CONCORDIA-GALLIA CORP., New York, N. Y. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

Cigarette

FOR TEXTILE FABRICS IN THE PIECE MADE OF SILK, RAYON, AND A MIXTURE THEREOF.
Claims use since March 1936.

Reg. No. 435,274. Registered Dec. 16, 1947. W. F. BERUBE, West New York, N. J., a partnership. Republished by registrant.

KAYEWALT

FOR TABLE CLOTHS, BED SPREADS, DOILIES, DRESSER SCARFS, AND EMBROIDERIES IN THE PIECE.
Claims use since Sept. 1, 1945.

Reg. No. 435,280. Registered Dec. 16, 1947. MARTIN WEINER CORP., New York, N. Y., a corporation of New Jersey. Republished by registrant.

The word "Print" is disclaimed apart from the mark as shown.
FOR RAYON PIECE-GOODS.
Claims use since July 1945.

CLASS 43

THREAD AND YARN

Reg. No. 349,815. Registered Sept. 7, 1937. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by Heirloom Needlework Guild, Inc., New York, N. Y., a corporation of New York.

HEIRLOOM

FOR WOOL YARN.
Claims use since September 1936.

Reg. No. 349,816. Registered Sept. 7, 1937. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Republished by Heirloom Needlework Guild, Inc., New York, N. Y., a corporation of New York.

HIAWATHA

FOR WOOL YARN.
Claims use since January 1932.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 238,224. Registered Jan. 31, 1928. SAMUEL BONAT & BRO., New York, N. Y. Republished by Bonat & Bonat, Inc., New York, N. Y., a corporation of New York.

Vegol-Strips

The word "Strips" is disclaimed apart from the mark as shown.
FOR STRIPS USED IN PERMANENT WAVING OF THE HAIR.
Claims use since Dec. 10, 1926.

Reg. No. 238,225. Registered Jan. 31, 1928. SAMUEL BONAT & BRO., New York, N. Y. Republished by Bonat & Bonat, Inc., New York, N. Y., a corporation of New York.

Padol-Steam Pads

The words "Steam Pads" are disclaimed apart from the mark as shown.
FOR STEAM PADS USED IN PERMANENT WAVING OF THE HAIR.
Claims use since Dec. 10, 1926.

Reg. No. 316,569. Registered Aug. 28, 1934. SPYCO SMELTING & REFINING COMPANY, Minneapolis, Minn., a corporation of Minnesota. Republished by registrant.

AURINITE

FOR PRECIOUS METAL ALLOY FOR DENTAL USE.
Claims use since Apr. 6, 1934.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 311,319. Registered Mar. 20, 1934. WALGREEN CO., Chicago, Ill. Republished by Home Drug Company, Chicago, Ill., a corporation of Illinois.

CHEMM

FOR NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.
Claims use since Oct. 31, 1933.

Reg. No. 86,761. Registered May 28, 1912. PLUNKETT-

Reg. No. 342,017. Registered Dec. 29, 1936. NEDICK'S STORES, INC., New York, N. Y. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

Nedick's

FOR ORANGE JUICE BEVERAGE.
Claims use since Aug. 3, 1936.

Reg. No. 342,018. Registered Dec. 29, 1936. NEDICK'S STORES, INC., New York, N. Y. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

Nedick's

FOR ORANGE JUICE BEVERAGE.
Claims use since Aug. 3, 1936.

Reg. No. 343,701. Registered Mar. 2, 1937. JOSEPH TRINER CORPORATION, Chicago, Ill., a corporation of Illinois. Republished by registrant.

The drawing is lined to indicate the colors red and black and silver.
FOR PINEAPPLE JUICE AS BEVERAGE OR BEVERAGE INGREDIENT.
Claims use since May 9, 1936.

Reg. No. 415,760. Registered Aug. 14, 1945. NEDICK'S STORES, INC., New York, N. Y. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

FOR ORANGE JUICE BEVERAGE, ORANGE CONCENTRATE, AND SYRUP FOR MAKING ORANGE JUICE BEVERAGE.
Claims use since May 10, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 23,464. Registered Aug. 8, 1893. ILLINOIS CANNING CO., Hoopeston, Ill. Republished by The Illinois Canning Co., Hoopeston, Ill., a corporation of Illinois.

The statement includes the following language: "Our trade-mark consists of the arbitrary word-symbol 'Baby Bunting.' This has generally been arranged as shown in the accompanying facsimile, in which it appears in blank letters on a horizontal line with the representation beneath of two ears of partially husked corn crossing each other, with a child sitting thereon at the point of intersection. Beneath this ear of corn again appears the word-symbol 'Baby Bunting.' The representation of the child, and ear of corn may be changed or altered or entirely omitted without materially altering the character of our trade-mark, the essential feature of which is the word-symbol 'Baby Bunting.'"
FOR CANNED CORN.
Claims use since 1886.

Reg. No. 23,481. Registered Aug. 15, 1893. ILLINOIS CANNING CO., Hoopeston, Ill. Republished by The Illinois Canning Co., Hoopeston, Ill., a corporation of Illinois.

The statement includes the following language: "Our trade-mark consists of the arbitrary word-symbol 'Pride of Illinois.' This has generally been arranged as shown in the accompanying facsimile, in which it appears in black letters on a horizontal line, and beneath which are arranged the words 'Sugar Corn.' Between these two lines of letters is represented a partially husked ear of corn. At the right of this ear of corn is represented a flower, supported by a leaved stem, and to the right of this leaved stem, is represented a young girl with a wreath of flowers in her hair. At the right of this latter representation, are shown several disconnected leaves, beneath which are arranged the words 'Packed by the Illinois Canning Co.' The representation of the ear of corn, flower, girl, leaves, and the words 'Packed by the Illinois Canning Co.,' and the words 'Sugar Corn' may be arranged or altered at pleasure or entirely omitted without materially altering the character of the trade-mark, the essential feature of which is the word-symbol 'Pride of Illinois.'"
FOR CANNED CORN.
Claims use since 1891.

Reg. No. 65,709. Registered Oct. 15, 1907. W. F. MCLAUGHLIN & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

MANOR HOUSE

FOR COFFEE.
Claims use since 1902.

Reg. No. 66,059. Registered Nov. 5, 1907. H. P. TAYLOR, JR., Richmond, Va. Republished by H. P. Taylor, Jr., Inc., Richmond, Va., a corporation of Virginia.

FOR CANNED FRUITS AND VEGETABLES.
Claims use since Oct. 1, 1893.

Reg. No. 67,195. Registered Jan. 21, 1908. ROSENSTEIN BROTHERS INC., New York, N. Y. Republished by Adolph Goldmark & Sons, Corp., New York, N. Y., a corporation of New York.

FOR DRIED, PICKLED, OR OTHERWISE PRESERVED FISH.
Claims use since Dec. 22, 1903.

Reg. No. 83,375. Registered Sept. 5, 1911. VOIGT MILLING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

FOR ALL KINDS OF FLOUR.
Claims use since August 1883.

Reg. No. 86,761. Registered May 28, 1912. PLUNKETT-JARRELL GROCER CO., Little Rock, Ark., a corporation of Arkansas. Republished by registrant.

FOR TEA, GROUND CINNAMON, ORANGE FLAVORING EXTRACT, LEMON FLAVORING EXTRACT, MINCE MEAT, RICE, CANNED PINEAPPLE, CANNED CORN, CANNED TOMATOES, BARTLETT PEARS, CANNED APRICOTS, CANNED PLUMS, CANNED PEACHES, CANNED CHERRIES, CANNED PEAS, CANNED ASPARAGUS, CANNED SALMON.
Claims use since June 1, 1909.

Reg. No. 97,291. Registered May 26, 1914. JAMES K. TWEEDY, Downey, Calif. Republished by Ball & Tweedy Association, Downey, Calif., a partnership.

DEFIANCE

FOR CITRUS FRUITS.
Claims use since Dec. 1, 1912.

Reg. No. 125,940. Registered July 15, 1919. REDLANDS MUTUAL ORANGE COMPANY, Redlands, Calif. Republished by Redlands Mutual Orange Association, Redlands, Calif., a corporation of California.

CAMELLIA

FOR FRESH ORANGES.
Claims use since Jan. 1, 1891.

Reg. No. 130,804. Registered May 4, 1920. MCDOWELL, PYLE & CO., INC., Baltimore, Md. Republished by E. J. Brach & Sons, Chicago, Ill., a corporation of Illinois.

STAR-BRIGHTS

FOR CANDIES.
Claims use since Oct. 10, 1919.

Reg. No. 146,384. Registered Sept. 6, 1921. POULTRY PRODUCERS OF CENTRAL CALIFORNIA, INC., San Francisco, Calif. Republished by Poultry Producers of Central California, San Francisco, Calif., a corporation of California.

The words "Eggs" and "Nulaid" are disclaimed apart from the mark as shown.
FOR EGGS.
Claims use since July 1919.

Reg. No. 146,956. Registered Sept. 27, 1921. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

ask for "BROX"

FOR CANDY.
Claims use since 1919.

Reg. No. 147,621. Registered Oct. 25, 1921. HEINTZ, MERKLE & COMPANY, Philadelphia, Pa. Republished by P. Herold & Sons, Philadelphia, Pa., a partnership.

Taste-Tells

FOR MAYONNAISE, MINCE-MEAT, AND SALTED PEANUTS.
Claims use since Oct. 16, 1920.

Reg. No. 161,918. Registered Nov. 28, 1922. THE BECKWITH COMPANY, Reedley, Calif. Republished by Planada Packers, Planada, Calif., a copartnership.

PLANADA

FOR PRESERVED FRUITS—VIZ., FIGS.
Claims use since June 30, 1921.

Reg. No. 165,863. Registered Mar. 20, 1923. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

Caméé

FOR CANDIES.
Claims use since May 1, 1911.

Reg. No. 170,516. Registered July 17, 1923. ARIZONA CITRUS GROWERS' CO., Phoenix, Aris. Republished by Arizona Citrus Growers, Phoenix, Aris., a corporation of Arizona.

Desert Sweet

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 24, 1922.

Reg. No. 176,535. Registered Nov. 27, 1923. CASHMERE FRUIT GROWERS UNION, Cashmere, Wash., a corporation of Washington. Republished by registrant.

KINGFRUIT

FOR FRESH APPLES.
Claims use since 1914.

Reg. No. 183,945. Registered May 13, 1924. CASHMERE FRUIT GROWERS UNION, Cashmere, Wash., a corporation of Washington. Republished by registrant.

BLUE STAR

FOR FRESH APPLES.
Claims use since 1912.

Reg. No. 188,145. Registered Aug. 19, 1924. PHILIPPINE DESICCATED COCONUT CORP., New York, N. Y., a corporation of Delaware. Republished by registrant.

PHILDESCO BRAND

The word "Brand" is disclaimed apart from the mark as shown.
FOR DESICCATED COCONUT.
Claims use since Nov. 15, 1922.

Reg. No. 201,927. Registered Aug. 11, 1925. JAMES P. SMITH & COMPANY, New York, N. Y. Republished by James P. Smith & Company, Inc., New York, N. Y., a corporation of New York.

ALVAREZO

FOR OLIVES AND PAPRIKA.
Claims use since 1907.

Reg. No. 206,585. Registered Dec. 8, 1925. SMOKED PRODUCTS COMPANY, Cincinnati, Ohio. Republished by Cutler-Magner Company, Duluth, Minn., a corporation of Minnesota.

Old Hickory

FOR SALT.
Claims use since on or about July 1, 1925.

Reg. No. 214,857. Registered July 6, 1926. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

FOR CANDY.
Claims use since Feb. 2, 1926.

Reg. No. 224,870. Registered Mar. 8, 1927. MODESTO FRUIT EXCHANGE, Modesto, Calif., a corporation of California. Republished by registrant.

CARAVAN

FOR FRESH DECIDUOUS FRUITS.
Claims use since Apr. 20, 1926.

Reg. No. 225,088. Registered Mar. 8, 1927. COACHELLA VALLEY GRAPEFRUIT ASSOCIATION, Thermal, Calif. Republished by Coachella Valley Citrus Association, Mecca, Calif., a corporation of California.

C-V

FOR FRESH GRAPEFRUIT.
Claims use since Nov. 15, 1921.

Reg. No. 236,233. Registered Dec. 6, 1927. WENATCHEE PACKING CORPORATION, Wenatchee and Seattle, Wash. Republished by National Fruit Canning Co., Seattle, Wash., a corporation of Washington.

LUCKY FIND

FOR CANNED FRUITS.
Claims use since Aug. 1, 1925.

Reg. No. 236,540. Registered Feb. 7, 1928. LEWIS-MEARS COMPANY, INC., New York, N. Y. Republished by Nicholas J. Eschenbrenner, New York, N. Y.

Best-Maid

FOR BUTTER.
Claims use since Apr. 5, 1927.

Reg. No. 238,733. Registered Feb. 14, 1928. D. F. DE BERNARDI & CO., INC., San Francisco, Calif., a corporation of California. Republished by registrant.

Crown of Savoy

FOR OLIVE OIL.
Claims use since September 1914.

Reg. No. 240,150. Registered Mar. 20, 1928. JOSEPH L. BUDREAU, doing business as J. L. Budreau & Co., Savannah, Ga. Republished by J. L. Budreau & Company, Presque Isle, Maine, a corporation of Maine.

RED CAMEL

FOR FRESH VEGETABLES.
Claims use since May 1924.

Reg. No. 241,362. Registered Apr. 24, 1928. P. PASTENE & CO., INC., Boston, Mass. Republished by Pastene & Co., Inc., New York, N. Y., a corporation of Delaware.

BUE

FOR OLIVE OIL.
Claims use since Dec. 21, 1926.

Reg. No. 242,520. Registered May 29, 1928. HIGHGROVE FRUIT ASSOCIATION, Highgrove, Calif., a corporation of California. Republished by registrant.

HONOR-BRIGHT

FOR FRESH FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT.
Claims use since Jan. 1, 1907.

Reg. No. 245,265. Registered Aug. 7, 1928. THE HILLSIDE PACKING ASSOCIATION, Lindsay, Calif., a corporation of California. Republished by registrant.

HIL-PAK

FOR FRESH ORANGES.
Claims use since Mar. 22, 1928.

Reg. No. 249,330. Registered Nov. 13, 1928. NATIONAL FRUIT CANNING CO., Seattle, Wash. Republished by National Fruit Canning Co., Seattle, Wash., a corporation of Washington.

VALAMONT

FOR CANNED FRUITS.
Claims use since 1920.

Reg. No. 249,771. Registered Nov. 20, 1928. OCEANIC SALES COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

SPRINGKIST

FOR CANNED SALMON.
Claims use since June 14, 1928.

Reg. No. 250,623. Registered Dec. 11, 1928. ARIZONA CITRUS GROWERS, Phoenix, Ariz., a corporation of Arizona. Republished by registrant.

Salt River

FOR FRESH CITRUS FRUITS.
Claims use since 1910.

Reg. No. 250,624. Registered Dec. 11, 1928. ARIZONA CITRUS GROWERS, Phoenix, Ariz., a corporation of Arizona. Republished by registrant.

TONTO

FOR FRESH CITRUS FRUITS.
Claims use since 1910.

Reg. No. 256,959. Registered May 28, 1929. SPARTAN GROCERS, INC., Los Angeles, Calif. Republished by Briardale Co., San Francisco, Calif., a corporation of California.

GLAD

FOR FOOD-FLAVORING EXTRACTS, VINEGAR, OLIVE OIL, PICKLES; RELISHES—NAMELY, CHILI SAUCE; CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, JAMS, JELLIES, FRUIT PRESERVES, COFFEE, TEAS, AND SPICES.
Claims use since Nov. 1, 1928.

Reg. No. 269,426. Registered Apr. 8, 1930. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

E-JAY

FOR CANDY.
Claims use since July 1924.

Reg. No. 273,125. Registered July 22, 1930. FRANCO-ITALIAN PACKING COMPANY, Terminal, Calif., a corporation of California. Republished by registrant, present address Terminal Island, Calif.

SEA ACE

FOR CANNED TUNA FISH.
Claims use since July 17, 1929.

Reg. No. 275,764. Registered Sept. 30, 1930. SEARS BROS. & COMPANY, Brawley, Calif. Republished by Sears Bros. & Co., Watsonville, Calif., a corporation of California.

VitaminKing

FOR FRESH VEGETABLES.
Claims use since Sept. 25, 1929.

Reg. No. 285,444. Registered July 28, 1931. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Carolina Blacks

FOR CANDY.
Claims use since Dec. 1, 1930.

Reg. No. 319,629. Registered Dec. 4, 1934. NATIONAL FRUIT CANNING CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

PIE FACE

FOR CANNED FRUITS.
Claims use since July 1932.

Reg. No. 319,896. Registered Dec. 11, 1934. NATIONAL FRUIT CANNING CO., Seattle, Wash., a corporation of Washington. Republished by registrant.

TASTEFULL

The word "Tastefull" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS.
Claims use since September 1933.

Reg. No. 328,707. Registered Oct. 1, 1935. NEDICK'S INC., New York, N. Y., a corporation of New York. Republished by registrant.

GRILIVER

FOR PRESSED COMMINUTED MEAT PRODUCT INTENDED PRIMARILY FOR SANDWICHES.
Claims use since Apr. 4, 1935.

Reg. No. 328,708. Registered Oct. 1, 1935. NEDICK'S INC., New York, N. Y., a corporation of New York. Republished by registrant.

PATIWURST

FOR PRESSED COMMINUTED MEAT PRODUCT INTENDED PRIMARILY FOR SANDWICHES.
Claims use since Apr. 4, 1935.

Reg. No. 335,581. Registered June 9, 1936. H. P. TAYLOR, JR. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

ENFIELD CLUB

FOR CANNED VEGETABLES.
Claims use since Dec. 29, 1935.

Reg. No. 338,026. Registered Aug. 25, 1936. THE HILLSIDE PACKING ASSOCIATION, Lindsay, Calif., a corporation of California. Republished by registrant.

PRINCE of ORANGE

FOR FRESH CITRUS FRUIT.
Claims use since May 14, 1914.

Reg. No. 339,417. Registered Oct. 6, 1936. THE HILLSIDE PACKING ASSOCIATION, Lindsay, Calif., a corporation of California. Republished by registrant.

GOOD DEAL

FOR FRESH CITRUS FRUIT.
Claims use since May 18, 1935.

Reg. No. 342,908. Registered Feb. 2, 1937. MORRIS ROSENBERG, Los Angeles, Calif. Republished by Morris Rosenberg Co., Los Angeles, Calif., a corporation of California.

NUTS to YOU

The word "Nuts" is disclaimed apart from the mark as shown.
FOR NUTS—NAMELY, SALTED PECANS, PINE NUTS, FILBERTS, WALNUT MEATS, MACADAMIA NUTS, SALTED ALMONDS, BRAZIL NUTS, SALTED PIGNOLIAS, SALTED PEANUTS, SALTED CASHEWS, PILI NUTS, SALTED PISTACHIOS, AND CHESTNUTS.
Claims use since June 18, 1936.

Reg. No. 343,167. Registered Feb. 9, 1937. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

COURAGE

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 21, 1936.

Reg. No. 343,168. Registered Feb. 9, 1937. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

ENDURANCE

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 21, 1936.

Reg. No. 343,169. Registered Feb. 9, 1937. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

STALWART

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 21, 1936.

Reg. No. 343,170. Registered Feb. 9, 1937. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

STRENGTH

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 21, 1936.

Reg. No. 343,542. Registered Feb. 23, 1937. SANTA PAULA ORANGE ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

OUT-O-SIGHT

FOR FRESH CITRUS FRUITS.
Claims use since Sept. 21, 1936.

Reg. No. 358,266. Registered July 5, 1938. SUPREME OLIVE OIL CORPORATION, San Fernando, Calif., a corporation of California. Republished by registrant.

BENEDETTO

FOR CANNED FRUITS, RIPE OLIVES, OLIVE OIL, MARMALADE, BOTTLED PIMIENTOS, WATERMELON RIND, AND CANNED CITRUS JUICE FOR FOOD PURPOSES.
Claims use since Dec. 23, 1937.

Reg. No. 367,283. Registered May 9, 1939. SUPREME OLIVE OIL CORPORATION, San Fernando, Calif., a corporation of California. Republished by registrant.

Benedetto

FOR OLIVE OIL.
Claims use since December 1937.

Reg. No. 369,290. Registered July 18, 1939. ALEXANDER MARKETING COMPANY, San Benito, Tex., a corporation of Texas. Republished by registrant.

FOR FRESH VEGETABLES.
Claims use since March 1938.

Reg. No. 370,788. Registered Sept. 5, 1939. CROWN PRODUCTS CORPORATION, San Francisco and Los Angeles, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

Lady's Choice

FOR ORANGE MARMALADE, HONEY, SANDWICH SPREAD, SALAD OIL, VINEGAR, TABLE SYRUP, MUSTARD, CHILE PEPPERS, FRENCH DRESSING, OLIVE OIL, OLIVES, CATSUP, PEPPER SAUCE, PEPPERS, MAYONNAISE, OLD ENGLISH SAUCE, SALAD DRESSINGS, PICKLE RELISHES, WORCESTERSHIRE SAUCE, PICKLED ONIONS, FRUIT PRESERVES, JAMS, JELLIES, AND PICKLES.
Claims use since Nov. 28, 1932.

Reg. No. 370,922. Registered Sept. 12, 1939. LOS ANGELES NUT HOUSE, Los Angeles, Calif., a co-partnership. Republished by registrant.

BITE-A-NUT

The word "Nut" is disclaimed apart from the mark as shown.
FOR PEANUT BUTTER.
Claims use since Dec. 15, 1938.

Reg. No. 371,663. Registered Oct. 3, 1939. TRAGUE-McKNETT ASSOCIATION, Santa Paula, Calif., a corporation of California. Republished by registrant.

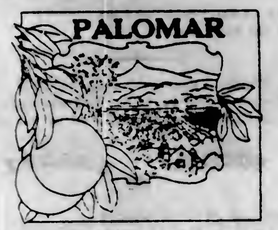
FOR FRESH CITRUS FRUIT.
Claims use since Mar. 8, 1912.

Reg. No. 372,074. Registered Oct. 24, 1939. MID-CITY WHOLESALE GROCERS, INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

UNOME

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, CANNED SHRIMP, CANNED SAUERKRAUT, COFFEE, RICE, PICKLES, TOMATO CATSUP, MUSTARD, OLIVES, SALAD DRESSING, AND CANNED APPLE SAUCE.
Claims use since 1929.

Reg. No. 375,236. Registered Feb. 13, 1940. ESCONDIDO ORANGE ASSOCIATION, Escondido, Calif., a corporation of California. Republished by registrant.



The representation of the fruit is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since Mar. 12, 1926.

Reg. No. 378,088. Registered May 28, 1940. CROWN PRODUCTS CORPORATION, San Francisco and Los Angeles, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

Peter Piper

FOR VINEGAR, JAMS, JELLIES, FRUIT PRESERVES, PICKLES, PICKLE RELISHES, PICKLED PEPPERS, SOUTHERN HOT STYLE CHILI, OLD ENGLISH SAUCE (TABLE).
Claims use since Mar. 28, 1924.

Reg. No. 378,130. Registered May 28, 1940. THE H. J. McGRATH COMPANY, Baltimore, Md., a corporation of Maryland. Republished by registrant.

The drawing is lined for the colors orange, red, blue, and yellow.
FOR CANNED FRUITS, VEGETABLES, SOUPS, PORK AND BEANS, SPAGHETTI, AND TOMATO PUREE.
Claims use since Apr. 1, 1938.

Reg. No. 379,719. Registered July 23, 1940. RIKIMARU BROS. AND COMPANY, Los Angeles, Calif. Republished by K. E. Myers, Exeter, Calif.

KING ✦ TASTE

FOR FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CANTALOUPES, FRESH AVOCADOS, AND FRESH BERRIES.
Claims use since Feb. 6, 1940.

Reg. No. 387,016. Registered Apr. 29, 1941. SYLMAR PACKING CORPORATION, Los Angeles, Calif., a corporation of California. Republished by registrant.

PALM CANYON

FOR CANNED OLIVES, FRUITS, AND VEGETABLES.
Claims use since Sept. 30, 1940.

Reg. No. 387,198. Registered May 6, 1941. PIONEER HI-BRED CORN COMPANY, Des Moines, Iowa, a corporation of Iowa. Republished by registrant.

Hy-Line

The representation of the chicken is disclaimed apart from the mark as shown.
FOR LIVE POULTRY.
Claims use since Nov. 15, 1940.

Reg. No. 387,361. Registered May 13, 1941. MID CITY WHOLESALE GROCERS, INC., Cicero, Ill., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

Luc-Ly

FOR CANNED VEGETABLES, CANNED FRUITS, CANNED PUMPKIN, AND CANNED SAUER KRAUT.
Claims use since Aug. 6, 1934.

Reg. No. 388,386. Registered June 24, 1941. SYLMAR PACKING CORPORATION, Los Angeles, Calif., a corporation of California. Republished by registrant.

MONTEREY INN

The word "Monterey" is disclaimed apart from the mark as shown.
FOR CANNED FRUITS, CANNED VEGETABLES, AND OLIVES.
Claims use since Nov. 7, 1940.

Reg. No. 390,375. Registered Sept. 23, 1941. GARDEN GROVE MUTUAL ORANGE ASSN., Garden Grove, Calif. Republished by Garden Grove Orange Co-Operative, Inc., Garden Grove, Calif., a corporation of California.

STAR BRIGHT

FOR FRESH CITRUS FRUIT.
Claims use since Aug. 16, 1940.

Reg. No. 390,508. Registered Sept. 23, 1941. JACK BROS. AND McBURNEY, INC., Brawley, Calif., a corporation of California. Republished by registrant.

The representation of the label is disclaimed apart from the mark as shown.
FOR FRESH VEGETABLES AND MELONS.
Claims use since Jan. 2, 1941.

Reg. No. 392,067. Registered Dec. 9, 1941. GARDEN GROVE MUTUAL ORANGE ASSN., Garden Grove, Calif. Republished by Garden Grove Orange Co-Operative, Inc., Garden Grove, Calif., a corporation of California.

SKIWARD

FOR FRESH CITRUS FRUIT.
Claims use since May 15, 1940.

Reg. No. 392,553. Registered Dec. 30, 1941. HILLSIDE CITRUS CO., INC., Riverside, Calif. Republished by Charles M. Zilen, doing business as Zilen Citrus Company, Riverside, Calif.

Riverside King

The word "Riverside" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since Aug. 17, 1941.

Reg. No. 394,793. Registered Apr. 28, 1942. LA BREA SECURITIES CO., doing business as Rosemary Packing Company, Los Angeles and Santa Maria, Calif., a corporation of California. Republished by registrant.

The representation of a label is disclaimed apart from the mark as shown.

FOR FRESH VEGETABLES—NAMELY, BROCCOLI, CAULIFLOWER, CHICORY, CARROTS, ANISE, CABBAGE, CELERY, RHUBARB, AND BELL-PEPPERS.

Claims use since Nov. 6, 1941.

Reg. No. 397,672. Registered Sept. 15, 1942. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SEALDFRESH

Snowbuddy

MARSHMALLOWS

The words "Marshmallows" and "Sealdfresh" are disclaimed apart from the mark as shown.

FOR CANDY.

Claims use since on or about August 1931.

Reg. No. 398,038. Registered Oct. 6, 1942. TEAGUE-MCKEVETT ASSOCIATION, Santa, Paula, Calif., a corporation of California. Republished by registrant.

LEVEL

FOR FRESH CITRUS FRUIT.

Claims use since Jan. 16, 1942.

Reg. No. 399,937. Registered Feb. 9, 1943. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

Bee-kissed

FOR HONEY.

Claims use since Sept. 28, 1920.

Reg. No. 403,587. Registered Oct. 5, 1943. MID CITY WHOLESALE GROCERS, INC., Cicero, Ill., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

FOR CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FRUIT AND VEGETABLE JUICES, CANNED APPLE SAUCE, CANNED CRANBERRY SAUCE, TOMATO PUREE, CANNED SWEET POTATOES, CANNED FRENCH FRIED POTATOES, CANNED PUMPKIN, CANNED SAUER KRAUT, CANNED SAUER KRAUT JUICE, CANNED MUSHROOMS, CANNED HOMINY, CANNED PIMIENTOS, CANNED AND BOTTLED OLIVES, CANNED CHILI CON CARNE, CANNED CORNED BEEF HASH, CANNED EVAPORATED MILK, BAKED BEANS WITH PORK, DRIEF BEEF, BONED CHICKEN, EGG NOODLES, SPAGHETTI, MACARONI, SALAD DRESSING, SANDWICH SPREAD, SEA FOOD COCKTAIL SAUCE, CHILI SAUCE, PEP SAUCE, HOT SAUCE, TOMATO CATSUP, PICKLES, FRUIT PRESERVES, MARMALADE, HONEY, PEANUT BUTTER, TABLE SYRUP, MARSHMALLOW CREME, BARBECUE SAUCE, BARLEY, COCOANUT, MAYONNAISE, RICE, ROLLED OATS, VINEGAR, GELATINE, MARASCHINO CHERRIES, MINT SAUCE, MINCEMEAT, MARSHMALLOWS, MUSTARD, POP CORN, SPLIT PEAS, PARSLEY FLAKES, BLACK PEPPER, WHITE PEPPER, CINNAMON, ALLSPICE, CLOVES, TEA, AND WORCESTERSHIRE SAUCE.

Claims use since 1899.

Reg. No. 409,021. Registered Sept. 12, 1944. H. H. SCHUMACHER, Alhambra, Calif. Republished by registrant.

The representation of a label and the words "Pure Wild Blossom" are disclaimed apart from the mark as shown.

FOR HONEY.

Claims use since July 1943.

Reg. No. 410,804. Registered Dec. 19, 1944. G. O. MCDANIEL, Edcouch, Tex. Republished by registrant.

HOUSE of GEORGE

FOR FRESH CITRUS FRUITS, FRESH VEGETABLES,, CANNED CITRUS JUICES, AND CANNED VEGETABLE JUICES.

Claims use since October 1941.

Reg. No. 410,805. Registered Dec. 19, 1944. G. O. MCDANIEL, Edcouch, Tex. Republished by registrant.

YARDSTICK

FOR FRESH CITRUS FRUITS AND FRESH VEGETABLES.

Claims use since October 1941.

Reg. No. 411,130. Registered Jan. 2, 1945. G. O. MCDANIEL, Edcouch, Tex. Republished by registrant.

GOMAC

FOR FRESH CITRUS FRUITS, FRESH VEGETABLES—NAMELY, TOMATOES AND CANNED CITRUS JUICES.

Claims use since October 1941.

Reg. No. 415,300. Registered Aug. 7, 1945. EUCLID AVENUE ORANGE ASSOCIATION, Upland, Calif., a firm. Republished by registrant.

UPLAND PRIDE

The word "Upland" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since Oct. 26, 1948.

Reg. No. 415,848. Registered Aug. 21, 1945. ROSENBERG BROS. & CO., San Francisco, Calif., a corporation of California. Republished by registrant.

ENSIGN

"KERNELS OF SUNSHINE"

The word "Kernels" is disclaimed apart from the mark as shown.

FOR ALMONDS.

Claims use since 1909.

Reg. No. 418,088. Registered Dec. 4, 1945. NEDICK'S STORES, INC., New York, N. Y. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

Nedick's

FOR MEAT PRODUCTS—NAMELY, COOKED FRANKFURTERS AND FRANKFURTER SANDWICHES, RAW HAMBURGERS, COOKED HAMBURGERS, AND HAMBURGER SANDWICHES, BAKERY PRODUCTS—NAMELY BREADS, DOUGHNUTS, ROLLS, CAKES AND PASTRIES; COFFEE, TEA, CHOCOLATE FOR BEVERAGE PURPOSES AND CANDY.

Claims use since May 10, 1944.

Reg. No. 418,991. Registered Jan. 15, 1946. CHARLES M. ZILEN doing business as Zilen Citrus Company, Riverside, Calif. Republished by registrant.

Riverside Prince

The name "Riverside" is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since Aug. 17, 1941.

Reg. No. 419,057. Registered Feb. 5, 1946. NEDICK'S STORES, INC., New York, N. Y., now by change of name to Nedick's Inc. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

FOR MEAT PRODUCTS—NAMELY COOKED FRANKFURTERS AND FRANKFURTER SANDWICHES, RAW HAMBURGERS, COOKED HAMBURGERS, AND HAM-

BURGER SANDWICHES; BAKERY PRODUCTS—NAMELY, BREADS, DOUGHNUTS, ROLLS, CAKES, AND PASTRIES; COFFEE, TEA, CHOCOLATE FOR BEVERAGE PURPOSES AND CANDY.
Claims use since May 10, 1944.

Reg. No. 419,650. Registered Feb. 26, 1946. CHARLES M. ZILEN, doing business as Zilen Citrus Company, Riverside, Calif., Republished by registrant.

Riverside Queen

The word "Riverside" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUITS.
Claims use since Aug. 17, 1941.

Reg. No. 424,603. Registered Oct. 15, 1946. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

HITCH-HIKE

FOR CANDY.
Claims use since July 23, 1945.

Reg. No. 425,756. Registered Dec. 3, 1946. E. J. MUTCHLER, Sinton, Tex. Republished by registrant.

HI-SIGN

FOR FRESH VEGETABLES.
Claims use since Nov. 12, 1945.

Reg. No. 428,388. Registered Mar. 25, 1947. E. J. BRACH & SONS, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Nubbins

FOR CANDY.
Claims use since 1931.

Reg. No. 435,717. Registered Jan. 6, 1948. RICH-LAND CANNING CORPORATION, Friesland, Wis., a corporation of Wisconsin. Republished by registrant.

BROOK BOURN

FOR CANNED PEAS AND CANNED CORN.
Claims use since Aug. 22, 1945.

CLASS 47

WINES

Reg. No. 432,454. Registered Sept. 2, 1947. ITALIAN SWISS COLONY, San Francisco, Calif., a corporation of California. Republished by registrant.

FOR WINES.
Claims use since 1889.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 90,587. Registered Mar. 4, 1913. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Republished by Jos. Schlitz Brewing Company (1933), Milwaukee, Wis., a corporation of Wisconsin.

FOR LAGER BEER.
Claims use since May 15, 1894.

Reg. No. 232,606. Registered Sept. 13, 1927. THE BUCKEYE PRODUCING CO., Toledo, Ohio. Republished by The Buckeye Brewing Co., Toledo, Ohio, a corporation of Ohio.

GREEN SEAL

FOR MALT SIRUP.
Claims use since Dec. 2, 1926.

Reg. No. 244,967. Registered July 31, 1928. M. K. GOETZ BREWING COMPANY, St. Joseph, Mo., a corporation of Missouri. Republished by registrant.

"COUNTRY CLUB"

The word "Special" is disclaimed apart from the mark as shown.
FOR NONALCOHOLIC, CEREAL, MALT BEVERAGES.
Claims use since Dec. 29, 1921.

Reg. No. 304,472. Registered July 11, 1933. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

Berghoff

FOR MALT BEVERAGE WITH NOT MORE THAN THE LEGAL ALCOHOL CONTENT.
Claims use since 1877.

Reg. No. 312,693. Registered May 8, 1934. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

FOR MALT BEVERAGES.
Claims use since 1885.

Reg. No. 357,495. Registered June 7, 1938. OSHKOSH BREWING COMPANY, Oshkosh, Wis., a corporation of Wisconsin. Republished by registrant.

"B'gosh it's good"

The words "Its Good" are disclaimed apart from the mark as shown.
FOR BEER.
Claims use since Nov. 15, 1929.

Reg. No. 393,963. Registered Mar. 10, 1942. BERGHOFF BREWING CORPORATION, Fort Wayne, Ind., a corporation of Indiana. Republished by registrant.

FOR MALT BEVERAGES.
Claims use since Oct. 17, 1941.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 309,450. Registered Jan. 16, 1934. THE J. KRAMER COMPANY, COMMISSION MERCHANTS INC., New York, N. Y. Republished by Ripy Bros. Distillers Incorporated, Lawrenceburg, Ky., a corporation of Kentucky.

OLD HARDIE

FOR WHISKEY AND OTHER POTABLE DISTILLED LIQUORS.
Claims use since about 1905.

Reg. No. 368,238. Registered June 13, 1939. JULIUS LOESER & CO., INC., Chicago, Ill., a corporation of Illinois. Republished by registrant.

SCOT'S LORE

FOR SCOTCH TYPE WHISKEY.
Claims use since Nov. 19, 1936.

Reg. No. 430,949. Registered July 1, 1947. WESTERN UNITED DISTRIBUTORS, San Francisco, Calif., a corporation of California. Republished by registrant.

NORTHERN CUSTOM

FOR BRANDY.
Claims use since Jan. 31, 1946.

Claims use since Aug. 22, 1945.

Claims use since Dec. 29, 1921.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 396,455. Registered July 21, 1942. SEWALL & SON, INC., Auburn, Maine, a corporation of Maine. Republished by registrant.

The representation of insoles and the word "Insoles" are disclaimed apart from the mark as shown.

FOR STRIPS OF COMPOSITE MATERIAL FROM WHICH INSOLES MAY BE CUT.

Claims use since Oct. 5, 1939.

Reg. No. 396,456. Registered July 21, 1942. SEWALL & SON, INC., Auburn, Maine, a corporation of Maine. Republished by registrant.

FOR STRIPS OF COMPOSITE MATERIAL FROM WHICH INSOLES MAY BE CUT.

Claims use since Oct. 5, 1939.

REISSUES

FEBRUARY 8, 1949

23,083

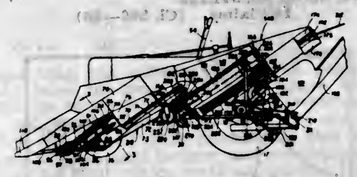
CORN HARVESTER

Norman F. Andrews, Moline, Ill., and Russell L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill., a corporation of Illinois

Original No. 2,347,871, dated May 2, 1944, Serial No. 394,806, May 23, 1941. Application for reissue January 19, 1946, Serial No. 642,209

41 Claims. (Cl. 56—18)

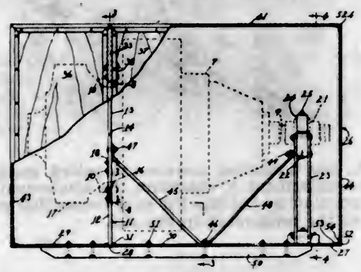
39. In combination, a tractor having a body, a mounting member secured thereto and having a slot, a lifting member pivotally mounted on the mounting member, an implement having a connecting portion engageable with the mounting member and receivable in the slot therein, means for angularly moving the lifting member to shift the implement between an operative position in which it is raised and mounted upon the tractor with the connecting portion thereof positioned in the slot in the mounting member and an inoperative position in which it rests upon the ground, and means for fixing the lifting member to the mounting member in raised position of the implement to maintain the implement in this position by holding the said connecting portion of the implement in the slot.



PATENTS

GRANTED FEBRUARY 8, 1949

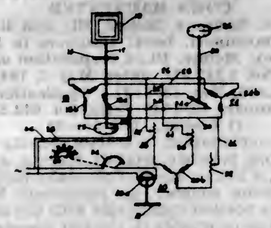
2,460,797
ENGINE SHIPPING CASE
George H. Allington, Rockford, Ill., assignor to The Weiman Company, Rockford, Ill., a corporation of Illinois
Continuation of application Serial No. 564,572, October 1, 1942. This application June 19, 1944, Serial No. 541,123
14 Claims. (Cl. 206—46)



1. In an engine shipping case for a radial aircraft engine having a generally cylindrical crank case portion projecting from the center of the group of cylinders, said shipping case comprising a lower generally rectangular case section and a hollow generally rectangular cover section adapted to be assembled on the lower case section to enclose an engine supported on the latter, an engine of the kind mentioned, and engine supporting means comprising a rectangular panel made in two rectangular halves, namely, a lower panel half rigidly secured to the lower case section and cut out to receive and being rigidly secured to a portion of the crank case of the engine for support, and an upper panel half also cut out to receive and being rigidly secured to another portion of the crank case of the engine for support, the panel halves being held together in coplanar relationship by the engine secured thereto, whereby to form an integral panel, and means including grooves in the lower case section and hollow cover section closely receiving edge portions of said panel halves to support the panel in rigid relation to the assembled case.

2,460,798
RADIO DIRECTION FINDER
Thomas O. McCarthy, United States Navy
Original application May 13, 1944, Serial No. 535,529. Divided and this application March 12, 1946, Serial No. 653,921
13 Claims. (Cl. 343—114)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a radio direction-finder system subject to a cyclic deviation error characterized by predetermined values of amplitude, phase and frequency and including rotatable directional antenna means and a radio direction indicator, a direction transmission system comprising transmitter and repeater units, means conductively connecting said transmitter and repeater units, said transmitter unit being coupled to said antenna means and said repeater unit being coupled to said direction indicator, whereby said direction indicator is normally movable in synchronism with said antenna means to indicate the instant bearing of said antenna means, and means conductively connected in parallel with

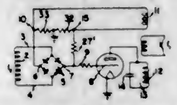


said conductive connecting means for producing a cyclic asynchronous relationship between said units of an amplitude, phase, and frequency substantially equal and opposite to said deviation error, whereby said direction indicator will indicate substantially correct radio direction.

2,460,799
PRODUCTION OF ORGANOPOLYSILOXANE RESINS WITH THE AID OF ALUMINUM ALKOXIDE
Arthur J. Barry, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application February 21, 1947, Serial No. 730,211
9 Claims. (Cl. 260—46.5)

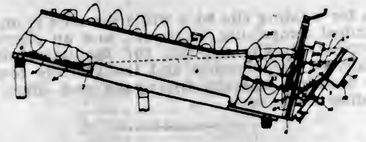
1. The method of making an organopolysiloxane resin which comprises reacting an organosiloxane polymer, having an average of from 1 to 2 hydrocarbon radicals, attached directly to silicon atoms, per atom of silicon, which organosiloxane polymer is initially in liquid state, with an aluminum alkoxide at temperatures between room temperature and 300° C., the aluminum alkoxide being employed in amount between 0.01 per cent of the weight of the organopolysiloxane and a maximum proportion which is varied inversely with the temperature in accordance with values of 5 per cent of the aluminum alkoxide at 300° C. and 20 per cent at 150° C.

2,460,800
FRACTIONAL FREQUENCY GENERATOR
Laurence Batchelder, Cambridge, Mass., assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass., a corporation of Delaware
Application December 27, 1945, Serial No. 637,415
12 Claims. (Cl. 250—36)



1. Means for obtaining a fractional frequency output in an electronic circuit comprising a vacuum tube oscillatory circuit having a tuned output circuit, an input circuit adapted to receive the signal of which a fractional frequency output is to be obtained, a feed back of the regenerative type connected between the tuned output and the input circuit including a bridge circuit having one branch only formed as a rectifier coupling said input circuit to the oscillatory circuit.

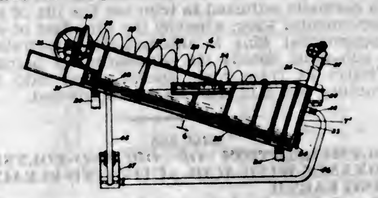
2,460,801
METHOD AND MEANS FOR HINDERED SETTLING CLASSIFICATION
Edmund C. Bitzer, Golden, Colo., assignor to Colorado Iron Works Company, Denver, Colo., a corporation of Maine
Application April 21, 1944, Serial No. 532,180
17 Claims. (Cl. 209—18)



1. A hydraulic classification method, which comprises the treatment of a body of solids in mixed sizes in two pools which lie within a common horizontal plane and in adjoining vertical planes maintained in physically separated relation with a countercurrent restricted flow from the bottom of one said pool into the bottom of the other pool, one of said pools having its surface at a substantially higher elevation than the surface of the other pool, feeding a pulp containing solids in mixed sizes into one said pool at a point horizontally distant and at a higher elevation than the restricted flow, maintaining a hindered settling action in the pool in which the pulp is fed by directing upward flowing currents across substantially the entire area of the pool between the point of feed introduction and said restricted flow, passing solids in the larger size ranges countercurrent to said upward currents in a horizontally ranging course into and through the restricted flow to the other said pool, feeding wash water into the conveying pool at a rate sufficient to maintain the level of the conveying pool above the level of the first mentioned pool, flowing the wash water containing fine particles from the conveying pool to the first mentioned pool for further impeding said countercurrent settling conveying settled solids through said last-mentioned pool to an elevated point of discharge, and overflowing solids in the finer size ranges from the first said pool.

2,460,802
METHOD OF STARTING A FINE HEAVY MEDIA SEPARATION PLANT
Edmund C. Bitzer, Golden, Colo., assignor to Colorado Iron Works Company, Denver, Colo., a corporation of Maine
Application January 9, 1945, Serial No. 571,999
2 Claims. (Cl. 209—173)

1. In a heavy-media ore concentration treatment, in which the normally suspended solids constituents of a mixture of ore, heavy media and a carrying liquid have settled into a bed within a pool having an inclined bottom, by being allowed to remain in a quiescent state for a substantial time interval, the improvement which comprises initially subjecting the bed to a raking action directed at the top of the settled solids and moving said raking action downwardly through the bed as it loosens, and portions of its solids content are again suspended in said liquid, directing said raking action through the pool so as to move the contents of the bed progressively along the inclined bottom and out of said pool along an extension of the inclined course to a point of discharge substantially

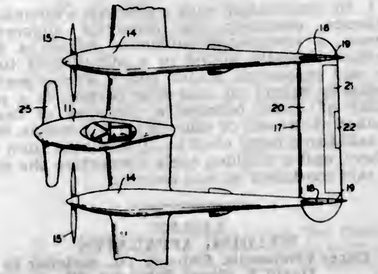


higher than the surface of the pool, removing liquid from the pool at a point below but in proximity to its surface, washing the surface of the bed moving upwardly away from said pool in the raking action by discharging said withdrawn liquid on said surface, and continuing said circulation and raking until equilibrium is established in the pool.

2,460,803
DISUBSTITUTED DESOXYALDITOLS AND PROCESS FOR THEIR PREPARATION
William Andrew Bonner, Hubbard Woods, and Charles D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 31, 1945, Serial No. 638,584
13 Claims. (Cl. 260—618)

2. The process of preparing disubstituted desoxyalditols which comprises contacting, under substantially anhydrous conditions and at elevated temperature, not exceeding 100° C., a 1-R-1-desoxyglycose, wherein R represents a radical selected from the group consisting of alkyl, aryl and aralkyl, and an aromatic hydrocarbon in the presence of sufficient anhydrous aluminum chloride to effect the desired reaction.

2,460,804
AUXILIARY CONTROL SURFACE FOR HIGH-SPEED AIRCRAFT
Samuel R. Brentnall, Washington, D. C.
Application May 22, 1944, Serial No. 536,660
4 Claims. (Cl. 244—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an airplane, a main wing structure, a tail structure, two fuselages parallelly spaced apart in fixed position on said wing and tail structures, a nacelle fixed to said wing structure intermediate

said fuselages, whereby said tail structure is subject to blanketing by turbulent wake at trans-sonic speed, a supplemental wing carried by said nacelle forward of said main wing structure at a predetermined positive angle adapted to provide lift to the forward end of said airplane, a trim tab carried on said tail structure said trim tab normally adjusted to trim out the lift of said supplemental wing, whereby the lift effect of said supplemental wing is automatically neutralized at sub-sonic speeds but automatically becomes effective at trans-sonic speeds when said tail structure and said trim tab are blanketed.

2,460,805

POLYMERIZATION OF ORGANO-POLYSILOXANES WITH ACID-ACTIVATED BLEACHING EARTH

Edgar C. Britton, Halbert C. White, and Clarence L. Moyle, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware

No Drawing. Application December 6, 1945, Serial No. 633,258

8 Claims. (Cl. 260—46.5)

1. In the condensation of organo-siloxane polymers to form polymers of higher molecular weight, the step which comprises contacting a liquid hydrocarbon substituted siloxane polymer with an acid-activated bleaching earth at a reaction temperature between 50° and 300° C. to effect further polymerization of the hydrocarbon substituted siloxane.

2,460,806

DIRECTION FINDER

Herbert G. Carter, Dayton, Ohio

Application August 10, 1945, Serial No. 610,179

5 Claims. (Cl. 250—33.67)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a receiver, a directional antenna comprising a dielectric supporting means, a continuous conductor having a first portion helically wound in a plurality of turns on said supporting means and a second portion coaxially wound on said first portion in a plurality of turns forming a plurality of layers banked at one end of said supporting means, each of said turns being electrically insulated from the others, and a shielded cable connecting the ends of said conductor to said receiver.

2,460,807

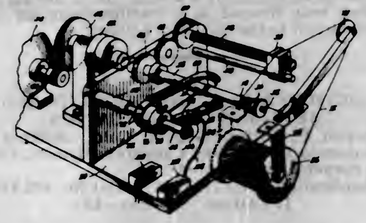
WELDING APPARATUS

Harry Chanowitz, Chicago, Ill., assignor to David T. Siegel, Wheaton, Ill.

Application March 5, 1945, Serial No. 581,088

13 Claims. (Cl. 219—4)

1. A wire coil manufacturing apparatus comprising a rotatable mandrel adapted to support a core member, means for rotating the mandrel, means for guiding a wire from a source of supply onto the core during mandrel rotation whereby to form a coil thereon, and welding mechan-



ism for welding the wire while the core is on the mandrel comprising a support, and an electrode mounted on the support for manual shifting axially of the mandrel and transversely toward the mandrel whereby to engage and effect the welding of the wire.

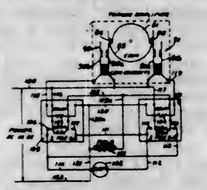
2,460,808

TORQUE AMPLIFIER AND REVOLUTION ACCUMULATOR

Benjamin Cooper, Neteong, and Albert F. Hohmann, Teaneck, N. J.; said Hohmann assignor to said Cooper

Application February 14, 1944, Serial No. 522,314

12 Claims. (Cl. 318—8)



12. In combination, a differential mechanism, a pair of inputs therefor and an output therefor, an electric motor connected to one of the inputs, means actuated by the output to cause said motor to bring the input to which the motor is connected into phase with the other input, and including a rotary member, a circuit controlling the motor and including means controlled by rotation of said rotary member, and means interconnecting said output with said rotary member for rotating said rotary member through one revolution for a multiple of revolutions of said output, the interconnecting means being so arranged that when said rotary member is in normal position, initial movement of said output will result in initial movement of said rotary member away from normal, whereas continued movement of said output will cause alternating non-movement and movement of said rotary member.

2,460,809

METHOD OF PREPARING GELATIN

Rudolph E. Damschroder and Marie E. Kauffman, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application February 7, 1946, Serial No. 646,211

6 Claims. (Cl. 260—118)

1. A method of obtaining gelatin from collagen-containing parts of the animal body which

comprises subjecting such parts to the dissolving action of an aqueous solution of 1–30% concentration of an aliphatic amine selected from the group consisting of methylamine, dimethylamine, ethylamine, ethylene diamine, ethanolamine, propanolamine, and propylene diamine, whereby the collagen is dissolved and converted into gelatin.

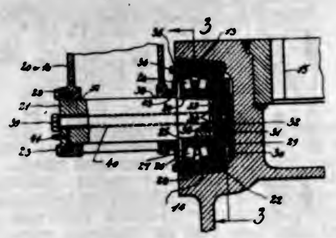
2,460,810

SELF-ALIGNING CONICAL ROLLER

Trevor O. Davidson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application November 1, 1944, Serial No. 561,464

9 Claims. (Cl. 308—226)



1. In a roller assembly for turn tables, the combination of: the roller proper, having a central cavity; a self-aligning anti-friction bearing within this cavity; an axle; means for securing the axle to the inner race of the bearing, said means comprising a central hole in the inner race, a cooperating tightly fitting external conformation on the axle, a nut to bear against the inner race to force it onto the axle, and a bolt passing through the axle and engaging the nut; and means for securing the outer race of the bearing to the roller proper.

2,460,811

PROCESS FOR PREPARING PELLETED IRON-OXIDE TYPE CATALYSTS

Elwyn P. Davies, Alameda, and Frank T. Eggertsen, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 26, 1944, Serial No. 551,421

3 Claims. (Cl. 252—259.2)

1. The process for preparing iron-oxide-type catalysts in the form of pellets affording a high selectivity of catalytic action which comprises mixing the catalytic material consisting mainly of powdered iron oxide with water, the amount of water being sufficient to form a moist mass which upon normal extrusion forms pellets which stick together upon contact but are sufficiently stable to hold their extruded shape temporarily, extruding said moist mass while rapidly drying the surface of the extrudate to below the point of stickiness, thereby to produce an extrudate containing a greater concentration of water in the interior than on the surface, cutting the surface-dried extrudate still containing substantially the original amount of water within five seconds of its formation into lengths suitable for catalyst pellets, and then subsequently drying the cut pellets to remove the remaining main portion of water.

2,460,812

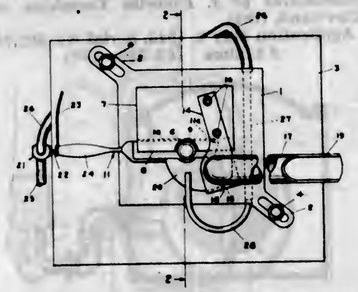
SEMIAUTOMATIC JIG

Ralph S. De Martini, San Leandro, Calif.

Application March 12, 1946, Serial No. 653,919

5 Claims. (Cl. 77—62)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a machine tool fixture of the class described, the combination of a base, a gravity operated feed tube adapted to support a plurality of workpieces and feed said workpieces to said base, a plate secured to said base, an arm pivoted to said base and adapted to individually receive said workpieces from said tube and position them against said plate for work thereon, a second plate mounted on said arm and disposed in offset relation to said tube when said arm is in the position in which it receives a workpiece from said tube and said second plate being adapted to close the lower end of said tube when said arm is moved from said position and toward said first mentioned plate, and pneumatic means cooperable with said aforementioned elements for expelling said workpieces from said fixture when the work thereon is completed, said pneumatic means including a valve adapted for operation by said arm, said valve being closed when said arm is against said first mentioned plate and said valve being open during the first part of the motion of said arm away from said plate.

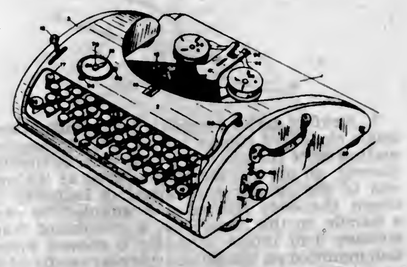
2,460,813

PLATENLESS TYPEWRITER

Charles W. Dohn, Glendale, N. Y.

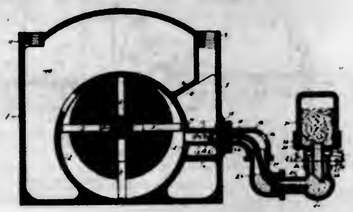
Application June 24, 1946, Serial No. 678,942

11 Claims. (Cl. 197—2)



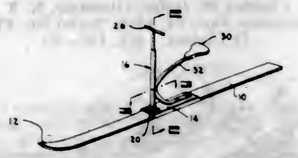
1. In a typewriter movable over the material receiving the writing, the combination with supporting spheres for the typewriter, of means for revolving the spheres to move the typewriter laterally and longitudinally under actuation of the keys and line spacing lever, respectively, of the typewriter.

2,460,814
PUMP LUBRICATING MEANS
Carl F. Duerr, Jr., Gates Mills, Ohio, assignor, by mesne assignments, of thirty one-hundredths to Ralph R. Roemer, thirty-five one-hundredths to Louise E. Roemer, twenty-five one-hundredths to William E. Kiefer, and ten one-hundredths to J. Everette Tompkins, all of Cleveland, Ohio
Application May 9, 1945, Serial No. 592,787
3 Claims. (Cl. 230—207)



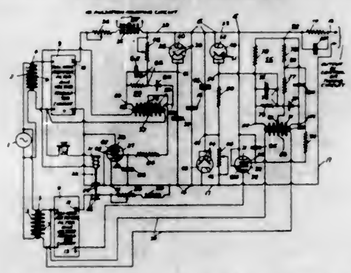
1. A lubricator for an air pump having a vacuum chamber, comprising: an oil-containing walled enclosure; means to maintain oil in the enclosure at a constant predetermined level; a capillary element having a lower portion contacting the oil and an upper portion to which it raises oil by capillarity to a level above the predetermined level; an air flow conduit communication between the interior of the enclosure and the pump vacuum chamber; an air flow restriction in said conduit communication; a substantially unrestricted atmospheric air inlet to the enclosure interior; whereby vacuum developed in the pump vacuum chamber causes air to enter the enclosure at the air inlet and flow out of the enclosure to the chamber through the restriction; and the said upper portion of the capillary element being disposed in the line of air flow between the enclosure interior and the restriction.

2,460,815
SKI-SCOOTER
Otto H. Dunkel, Detroit, Mich.
Application November 21, 1946, Serial No. 711,349
3 Claims. (Cl. 280—23)



1. A skiing device comprising, in combination, a single elongated runner having a width approximating twice the width of a shoe worn by the rider thereof, an upright member secured at its lower end to the runner approximately half-way between the ends thereof and adapted to carry a handle on the upper end, a cylindrical frame member bent into a generally U-shaped formation mounted on the ski-scooter rearwardly of the upright member in the vertical plane of the longitudinal median line of the runner and with the end sections thereof projecting rearwardly in vertically spaced apart relationship, means connecting the closed end of the frame member to the upright member intermediate the height of the latter, and means securing the lower horizontal end section of the frame member to the runner rearwardly of the upright member, the diameter of the frame member being considerably less than the width of the runner whereby a rider may with both of his feet on the runner straddle the frame member and guide the movement of the device.

2,460,816
ELECTRONIC TIMING SYSTEM
Donald P. Faulk, Waltham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application October 15, 1947, Serial No. 780,040
19 Claims. (Cl. 320—1)

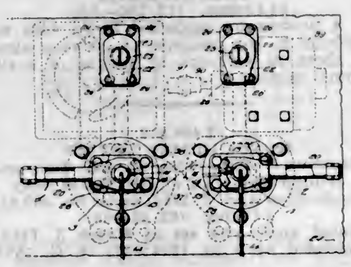


1. A timing system including, in combination, a first capacitance, means for charging said capacitance with a predetermined polarity, a second capacitance and a unilateral conducting device connected in series across said first capacitance, said device being so poled that it will conduct only in such a direction as to charge said second capacitance with said predetermined polarity, means for charging said first capacitance with a polarity opposite to said predetermined polarity through a circuit having a short time constant to thereby reverse the polarity of the voltage across said first capacitance and begin the time interval, impedance means connected across said device to provide a series discharge circuit consisting of said impedance means and said first and second capacitances, whereby the reversed voltage across said first capacitance and the voltage across said second capacitance are connected in series aiding in said discharge circuit and whereby said capacitances will discharge through said discharge circuit during said time interval, and means for utilizing the discharge of said capacitances to measure the time interval.

2,460,817
ALLOY SUITABLE FOR USE AT HIGH TEMPERATURES
Sidney O. Fisher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 5, 1942, Serial No. 441,863
2 Claims. (Cl. 75—171)

1. An alloy which in normal operation is subject to stress at temperatures in the neighborhood of 815° C., said alloy containing about 16 to 18% molybdenum, 10 to 14% iron, 5 to 7% tungsten, 5 to 7% cobalt, 4 to 6% chromium and a small quantity but not more than 0.15% carbon with the remainder substantially all nickel, said alloy being characterized by its stable properties at said temperature.

2,460,818
ELECTRIC SWITCH
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application April 27, 1944, Serial No. 533,010
7 Claims. (Cl. 200—48)

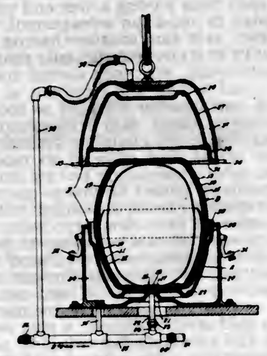


1. A high voltage switch comprising a supporting frame, stand-off insulators mounted on said frame, contact members mounted on said stand-off insulators, axially rotatable stand-off insulators mounted on said frame in spaced relation to the aforesaid stand-off insulators, movable switch arms mounted on said last mentioned stand-off insulators, said switch arms carrying contactors coacting with said contact members, and means for rotating said last mentioned stand-off insulators and said switch arms in opposite angular directions in coplanar relation through approximately 90° to open and close the circuit through the contactors on said switch arms and said contact members.

2,460,819
ELECTRIC SWITCH
Joseph F. Frese, Baltimore, Md., assignor to The Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Original application April 27, 1944, Serial No. 533,010. Divided and this application June 5, 1945, Serial No. 597,668
5 Claims. (Cl. 200—166)

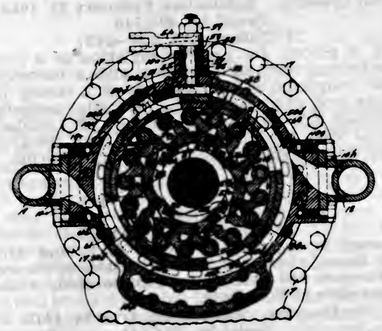
4. An electric switch comprising an axially rotatable rod-like member formed from insulation material, a metallic cap member having a recess therein engageable over the end of said rod-like member, a screw-threaded recess in said metallic cap member and a screw-threaded headed plug engageable with the recessed end of said metallic cap member, a flexible conductor extending into said headed plug, a metallic fitting embracing said cap member, an electric switch arm carried by said metallic fitting, a shoulder projecting from said metallic fitting offset from said axially rotatable rod-like member, and a screw member screw-threaded through said shoulder and abutting against the headed end of said screw-threaded plug for interlocking said metallic fitting with respect to said axially rotatable rod-like member.

2,460,820
METHOD OF MAKING CONTAINERS
Vahan Hagopian, New York, N. Y.
Application March 18, 1944, Serial No. 527,035
6 Claims. (Cl. 93—36)



1. The method of making a container, which comprises forming cup-shaped elements, overlapping the edges of at least two of said elements with their concave sides in opposed relation with adhesive at least at said overlapped edges of said elements, enclosing an elastic bag between said elements, said bag having an adherent outer surface when heated, and applying pressure internally of the rudimentary container thus formed by inflating said bag with heated fluid while exteriorly confining the overlapped edges thereof to thereby cause said adhesive to secure said overlapped edges together and cause said bag to adhere to the inner surface of said container to serve as the permanent liner therefor.

2,460,821
OSCILLATING VANE ROTARY PUMP
Joseph O. Hamren, Minneapolis, Minn.
Application September 3, 1942, Serial No. 457,129
4 Claims. (Cl. 103—140)



1. A pump having in combination, a casing having an inlet chamber therein, a shaft jour-

nalled in and extending through said casing, a cam member surrounding said shaft and having a chamber therein communicating with said inlet chamber and adapted to receive fluid therefrom, a rotor in said casing secured to said shaft and comprising a plurality of swinging vanes carried thereon, each vane having a free end with a surface adapted to rotate in engagement with said cam member, said cam member having a plurality of equally and circumferentially spaced openings therethrough, an inner casing closely surrounding said vanes and forming a chamber about said cam member adapted to receive fluid through said openings, said first mentioned casing having an outlet chamber extending about said inner casing and adapted to receive fluid therefrom, said inner casing having equally and circumferentially spaced discharge openings into said outlet chamber equal in number to the openings through said cam member, a valve member disposed in each of said openings through said cam member adapted to be oscillated for variably restricting said openings through said cam member to vary the torque of said pump, pivot members secured to said valve members, arms secured to said pivot members, a ring secured to said arms and rotatable for swinging said arms and means at the outer side of said first mentioned casing for rotating said ring.

2,460,822
ACYLATING FURAN
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application January 18, 1946, Serial No. 642,112
17 Claims. (Cl. 260—345)

1. A process for nuclear acylation of an acylatable furan, comprising reacting an acylatable furan with an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids in the presence of an iodine catalyst.

2,460,823
ACYLATING FURANS
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application February 23, 1946, Serial No. 649,740
20 Claims. (Cl. 260—345)

1. A process for nuclear acylation of a furan comprising reacting the same with a carboxylic acid anhydride in the presence of a strong hydroxy acid characterized by an initial ionization constant greater than about 1.0×10^{-3} containing at least one element selected from the group consisting of sulfur, phosphorus, and fluorine.

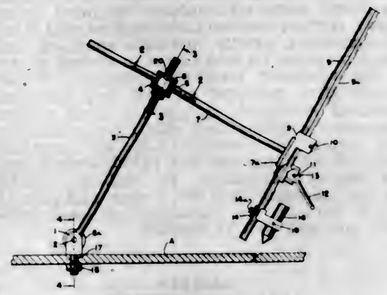
2,460,824
ACYLATING FURANS
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application April 24, 1946, Serial No. 664,714
20 Claims. (Cl. 260—345)

1. A process for nuclear acylation of a furan, comprising reacting the same with a carboxylic acid in the presence of phosphorus pentoxide.

2,460,825
ACYLATING FURAN
Howard D. Hartough, Pitman, N. J., and Alvin I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 20, 1946, Serial No. 678,158
14 Claims. (Cl. 260—345)

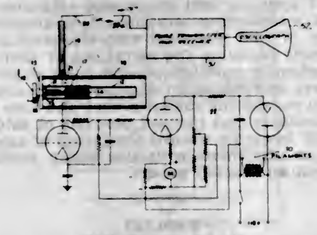
1. A process for acylating furan with acetic anhydride in the presence of between about 1 and about 25 per cent by weight of a silica-alumina catalyst.

2,460,826
HOLE CUTTING DEVICE
Hartman D. Hooser, Big Springs, Tex., and William Vomacka, United States Navy
Application April 3, 1946, Serial No. 659,418
1 Claim. (Cl. 33—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



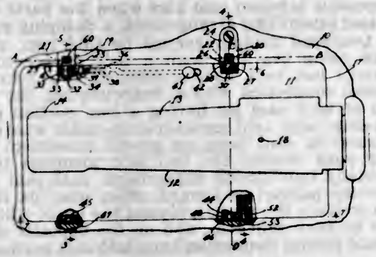
In a hole cutting device of the class described, a standard having an eye at one end, a yoke bracket receiving said eye with a pivot pin extending through said eye and mounted in said yoke bracket, said pivot pin having a clamping head engaging the yoke bracket for clamping the pivoted standard in angularly adjusted position, said yoke bracket having a stud portion provided with a nut and adapted to be adjustably secured to a work member such as a plate or the like for rotary adjustment of the direction of said yoke bracket, a sleeve on said standard, means for adjustably fixing said sleeve longitudinally on said standard, a rotatable bracket having an eye receiving said sleeve, said sleeve providing a bearing for rotation of said rotatable bracket thereon, said rotatable bracket having a second eye or bore at right angles to the first eye, a transverse bar slidably received in said second eye or bore and being disposed at right angles to said standard, means for fixing said transverse bar in transverse adjusted position at right angles to said standard, a fork bracket mounted at the outer end of said transverse bar, a tool-carrying bar received in said fork bracket and disposed in parallelism with said standard, said tool-carrying bar having a rack thereon, pinion means mounted in said fork bracket in engagement with said rack, and a crank for operating said pinion means to advance or retract said tool-carrying bar in respect to the plate or the like, and a tool-carrying bracket mounted at the lower end of said tool-carrying bar.

2,460,827
TESTING RADIO ECHO EQUIPMENT
Frank C. Isely, Washington, D. C.
Application May 4, 1942, Serial No. 441,730
22 Claims. (Cl. 343—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



13. A method of testing a radio wave type object detector which comprises the steps of launching a pulse of wave energy from said detector into space, intercepting said energy relatively near said detector and reradiating a version of it over a period which is longer than the duration of said pulse, and receiving and utilizing a portion of said reradiated energy at said detector.

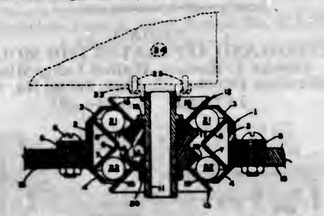
2,460,828
SEWING MACHINE
Matthew G. Ivandick, Rockford, Ill., assignor to Free Sewing Machine Co., Rockford, Ill., a corporation of Illinois
Application March 24, 1944, Serial No. 527,864
21 Claims. (Cl. 112—258)



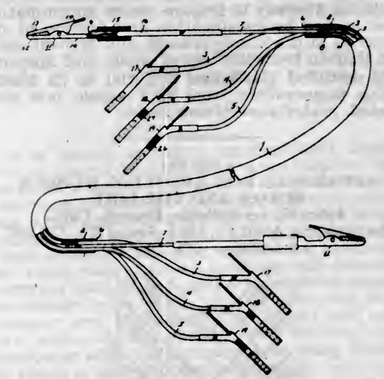
1. In a sewing machine, the combination with a support, of a substantially rectangular bedplate rigidly supporting a sewing machine head, and two-way hinge means hingedly connecting said bedplate to said support providing portions adapted to pivot on two axes that are in transverse relation and both substantially in the horizontal plane of said bedplate, whereby said plate is adapted to be tilted about a longitudinal axis relative to said support or the plate may be tilted about a transverse axis relative to said support.

2,460,829
VIBRATION INSULATING DEVICE
Nicholas Ivanovic, Philadelphia, Pa.
Application August 1, 1945, Serial No. 608,232
9 Claims. (Cl. 248—358)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A vibration insulator comprising an annular fixed support structure having interiorly thereof angularly disposed annular surfaces arranged at an acute angle with respect to one another, a floating support assembly disposed substantially coaxially within said annular fixed support structure and having angularly disposed annular surfaces respectively associated with said angularly disposed surfaces of the fixed support structure, and a plurality of resilient elements interposed between the respective angularly disposed surfaces of the fixed and floating supports to vibrationally insulate the floating support assembly from said fixed support structure.



2,460,830
MULTICONDUCTOR ELECTRIC HARNESS
Francis E. Knam, Cleveland, Ohio, assignor, by mesne assignments, of thirty one-hundredths to Ralph R. Roemer, thirty-five one-hundredths to Louise E. Roemer, twenty-five one-hundredths to William R. Kiefer, and ten one-hundredths to J. Everette Tompkins, all of Cleveland, Ohio.
Application March 31, 1945, Serial No. 585,895
2 Claims. (Cl. 174—70)



1. An electric connection device for making connections to the pin type and sleeve type sockets of aircraft instruments comprising three flexible wires unitarily associated in parallel relation inwardly of their ends, providing three free end portions at each end of the device and one of said wires comprising two branches near its opposite ends providing a fourth free end portion at each end of the device; like terminals on each of the three free end portions at each end of the device comprising a metal sleeve open at one end and a metal pin telescoped into the other end of the sleeve and projecting therefrom and secured therein, the said free end portions of said wires joined each to a pin inwardly of its projecting end, and extending laterally therefrom, a tubular cover of flexible insulating material telescoped on the sleeve and over the wire and pin

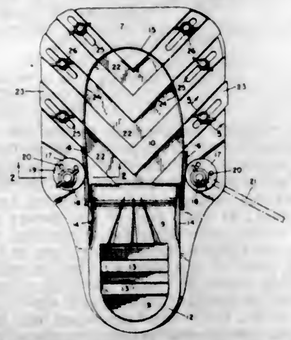
2,460,836

juncture and over the adjacent portion of the joined wire, the pin projecting through a perforation in the side wall of the cover; and a clamp device connected to each of the fourth free end portions.

2,460,831
METHOD AND APPARATUS FOR MOLDING
George J. Kovacs, Walled Lake, Mich.
Application October 23, 1944, Serial No. 559,979
5 Claims. (Cl. 18—30)

1. The method of continuously injecting a thermosetting material into a mold heated at least at the polymerizing temperature of said material which comprises pressure feeding said material into a chamber, heating said material in said chamber to a plasticizing temperature below the setting temperature and cooling said material to its plasticizing temperature whenever the temperature of the chamber rises above the plasticizing temperature of the material therein, pressure feeding said material from said chamber into and through an ejecting nozzle in the form of a substantially restricted passage whereby to further densify the material in its passage through said nozzle, removing heat from said nozzle whenever the temperature of the nozzle rises above the plasticizing temperature of said material whereby to remove excess accumulating heat caused by densification and friction of the material in the nozzle passage and by heat leakage thereto from the heated mold, and injecting said densified plasticized material at its plasticizing temperature from said nozzle into said heated, material-receiving mold.

2,460,832
APPARATUS FOR RESOLING RUBBER BOOTS AND THE LIKE
John W. La Follette, Denver, Colo.
Application April 21, 1944, Serial No. 532,097
5 Claims. (Cl. 18—34)



5. In apparatus for resoling rubber boots and the like, a mold element comprising a heat conductive plate having heel, instep and sole tread forming surfaces upon which a boot rests; means on said plate providing heel and instep outlining portions; a tread outlining flexible strip loosely mounted on said plate and disposed in sole embracing relation to the boot with the ends thereof extending rearwardly at the instep position, stiffening members disposed alongside said strips adjacent the rear ends thereof, said members being provided with serrations on the sides thereof opposite said strip; and rotatable cams having interlocking serrations and disposed exteriorly of said members with the serrations of said cams engaging the serrations of said members, whereby rotation of said cams draws said members and said strip rearwardly to cause said strip to engage the sole of a boot and also moves said members and the end portions of said strip laterally inwardly toward the instep of said boot and into alinement with the instep portion of said heel and instep means.

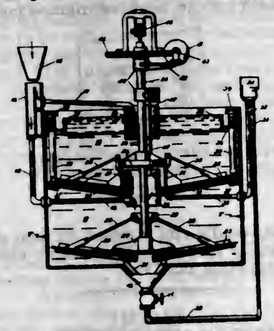
2,460,833
HOSE COUPLING
Lucy A. Lamb, Cleveland Heights, Ohio
Application February 28, 1946, Serial No. 650,838
4 Claims. (Cl. 285—171)

1. A hose connector comprising a pair of complementary coupling members, each such member having an axial bore, said members being adapted to be placed in interfitting arrangement so that their respective bores are aligned in fluid transmitting relationship, one said member having affixed thereto a pair of opposed lugs the other said member having a transverse shoulder disposable between said lugs when the parts are in said interfitting arrangement, a clamping yoke of U-shaped contour carried by said lugs, said yoke being provided with a pair of generally parallel legs each having, near its extremity, a pivotal connection with a respective lug, the tip end of each said leg having a cam portion engageable with said transverse shoulder whereby rotation of said cams by pivotal movement of said yoke presses the two said members into mutually tight fitting engagement, each said leg member having an inward offset near its free end to place the portion beyond the offset within and between said lugs, and on the opposite side of said pivotal connection from said cam portions.

2,460,834
SETTLING METHOD AND APPARATUS
Leland H. Logue, Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company, a corporation of Delaware
Original application January 26, 1937, Serial No. 122,371. Divided and this application August 13, 1945, Serial No. 610,412
15 Claims. (Cl. 210—55)

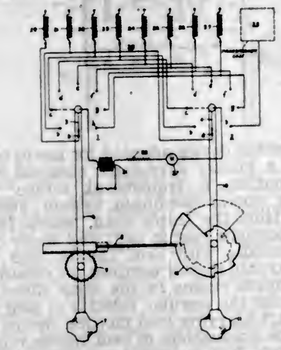
1. Apparatus for settling solids from fluid suspensions, comprising a tank divided by a partition into upper and lower compartments; means providing an open passage through the partition and between the compartments; means for introducing a measured feed into each compartment; a weir in the upper compartment providing an overflow for clarified liquid; a launder at a side of the weir to receive the overflow; a conduit extending upwardly through the tank and into the launder, having its inlet at the top of the lower compartment and having its outlet at an elevation above the overflow weir, thereby creating a

pressure in the open passage in opposition to the hydrostatic pressure acting thereon; and means



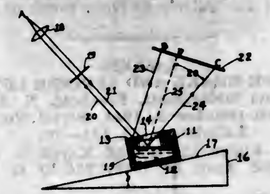
for separately discharging thickened matter collecting in each of said compartments.

2,460,835
ELECTRICAL INSULATION TESTING APPARATUS
Samuel G. Lutz, Washington, D. C.
Application November 21, 1945, Serial No. 630,114
2 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device for testing the electrical insulation between a plurality of points; the combination of a pair of similar multi-position switches each having a single rotatable contactor and a plurality of fixed contacts, means electrically connecting each individual fixed contact of the first of said switches to a different one of said points, means also electrically joining each of said fixed contacts, except the first, of said first switch with the next preceding fixed contacts of the second switch, a stop mechanism associated with the rotatable contactor of the first switch and operable therewith, rotational limit means associated with the contactor of the second switch and operable therewith to engage said stop mechanism whereby the rotatable contactor of said second switch is prevented from coming into engagement with the fixed contact next preceding the fixed contact currently engaged by the contactor of said first switch, and means including a series combination of a voltage source and a current indicating device connected across said rotatable contacts of said switches.

2,460,836
LEVEL DEVICE EMPLOYING A LIGHT REFLECTING LIQUID SURFACE AS A HORIZONTAL REFERENCE SURFACE
Gerald H. Lovins, Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc., a corporation of Maryland
Application June 4, 1946, Serial No. 674,271
1 Claim. (Cl. 88—1)



An optical level device for use with an autocollimator comprising an opaque hollow member having a plane bottom surface and a plane mirror on its top surface, said plane mirror being parallel to said bottom surface, said top surface being apertured, and a quantity of fluent material in said hollow member, the surface of said fluent material having substantial reflectivity.

2,460,837
SNAP SWITCH
Homer E. Malone, Milwaukee, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 4, 1945, Serial No. 591,950
8 Claims. (Cl. 200—67)

8. A switch including an apertured housing having spaced fixed contacts and a magnet therebetween, a bracket for said housing spaced from said magnet and provided with a pivotal mounting, a bell crank pivotally secured to said bracket and provided with an armature arm and an apertured actuator arm, said arms being disposed at an angle embracing an actuator and a contact carrying contact bar, and a shouldered actuator extending reciprocably into the apertures in the housing and through the apertured bell crank arm with a shoulder in operative relation to said apertured arm, said armature arm being disposed to swing to and from the magnet.

2,460,838
SHOE OUTSOLE
Meyer Margolin, Elgin, Ill.
Application September 3, 1943, Serial No. 501,047
3 Claims. (Cl. 36—33)

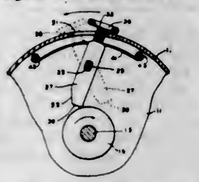
1. An outsole comprising joints of a substantially rigid material, the upper surface of said

said platform, a compressor normally held by

2,460,845
FORM FOR BUILDING HOLLOW ARTICLES

outsole being recessed, a resilient insert disposed in said recess, said resilient insert comprising means for securing said joints to one another, openings in said outsole extending vertically and completely through said outsole, and resilient plugs disposed into said openings said resilient plugs being of sufficient length and positioned so as to be in direct contact with the resilient insert at their upper end and to extend to the outer surface of the outsole at their lower or opposite end.

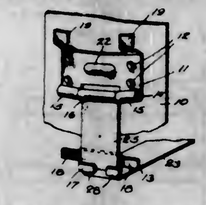
2,460,839
ROTOR BRAKE AND SPINNER LEVER
Carl McDermott, Freehold, N. J.
Application October 3, 1944, Serial No. 557,044
3 Claims. (Cl. 171—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



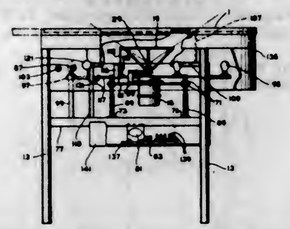
1. An "on-off" control for a flashlight having a cylindrical case and a rotatable cylindrical generator member concentric with said case, comprising a pivot pin secured within said case, parallel to the axis of said generator member, and intermediate the case and the said member, an aperture through said case, a control lever extending through said aperture; a control button attached to one end of the lever outside said case, a friction surface on the other end of the lever inside said case, a transverse pivot hole in said lever, said pivot hole having a greater diameter longitudinally of the lever and a lesser diameter athwart of the lever, said pivot pin being positioned in said pivot hole so that said lever may pivot about said pivot pin and may move longitudinally a limited distance, spring means to urge the lever longitudinally toward the generator member, said friction surface being frictionally engageable with the generator member during part of its pivotal movement, stop means to limit the pivotal motion of said lever in one direction so that the friction surface is in frictional engagement with the generator member at the end of its pivotal movement in that direction, second stop means to limit the pivotal motion of said lever in the opposite direction so that the friction surface loses frictional engagement with the generator member at the end of its pivotal movement in that direction.

2,460,840
HANDLE LOCK FOR HINGED HANDLE UTENSILS
John W. Mockabee, United States Army, Washington, D. C.
Application September 26, 1944, Serial No. 555,865
6 Claims. (Cl. 16—110)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a canteen cup or other utensil having a handle, and a hinge for pivotedly connecting said handle to said utensil, means for locking the handle in cup supporting position comprising a fixed locking element and slideable locking element engageable with said fixed element for disengageably supporting said handle in cup supporting position, and means spaced from said fixed locking element and located in the line of travel of said handle, said last-named means acting on said handle and opposed by said elements for frictionally locking said slideable element in handle supporting position.

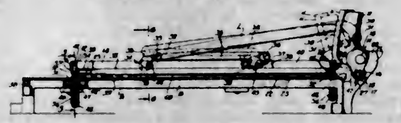


2,460,841
PROJECTION AND PLOTTING DEVICE
William L. Morey, Melrose, and Robert A. Taylor, Newburyport, Mass.
Application March 15, 1945, Serial No. 582,963
7 Claims. (Cl. 88—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A plotting device adapted for use in connection with a master gyroscopic compass having, in combination, a translucent screen having thereon a polar coordinate system graduated clockwise from the ship's head, means for projecting a compass rose in light and shade on said screen coaxially with said system, and means actuated by said master compass for rotating said last mentioned means in the same direction as but at double the angular velocity of said screen when a craft carrying said plotting device turns, whereby the graduations of said system represent true bearings, true courses are indicated by said system opposite to the zero of said rose, and relative bearings are indicated on said rose opposite to true bearings on said system.

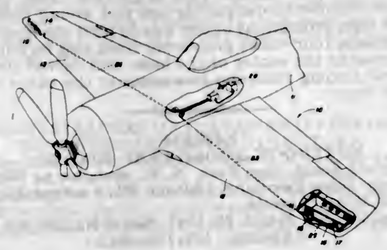
2,460,842
PAPER TRIMMER
Edward B. Murphy, Linden, N. J., and Samuel Segal, New York, N. Y., assignors to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application April 25, 1945, Serial No. 590,236
21 Claims. (Cl. 164—45)



1. In combination, a platform for supporting sheet material, balancing spring means above

said platform, a compressor normally held by said spring means above and away from said platform for removably clamping said material against said platform, guide means linearly shiftable relative to said platform for movably directing the displacement of said compressor to clamp or unclamp said material, means operative during the clamping relation of said compressor against said material for displacing said guide means bodily in a direction away from said compressor and platform for increasing said clamping relation, and shearing means for severing said material in the clamped relation of the latter.

2,460,843
AIRPLANE FLIGHT SAFETY DEVICE
Statton R. Ours, United States Navy
Application March 26, 1946, Serial No. 657,316
5 Claims. (Cl. 244—113)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

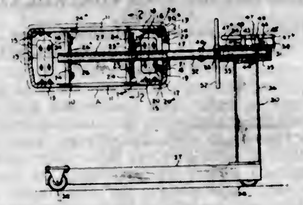


1. In an aircraft, a safety device including a tapering member elongated in the direction of the span of a wing of the aircraft, means mounting said tapering member in the wing adjacent the tip for movement between retracted and extended positions, said tapering member in retracted position being housed within the wing and in extended position projecting from the wing surface to reduce the lift of the wing, said tapering member adapted to reduce the lift of the wing progressively from wing tip to wing root as projected, means mounted within the aircraft and operatively connected with said mounting means for moving said member between retracted and extended positions, and means mounted within the aircraft for actuating said second named means when load on the wing exceeds a predetermined value.

2,460,844
ACRYLONITRILE-VINYLIDENE CHLOROFLUORIDE COPOLYMERS
Frank G. Pearson, Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 29, 1943, Serial No. 496,587
1 Claim. (Cl. 260—84)

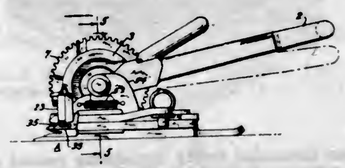
A material comprising a copolymer of vinylidene chlorofluoride and acrylonitrile in which for every five mols of acrylonitrile there are combined two mols of vinylidene chlorofluoride, said copolymer having a softening point of about 170° C.

2,460,845
FORM FOR BUILDING HOLLOW ARTICLES
Dietrich G. Rempel, Akron, Ohio, assignor to The Sun Rubber Company, Barberton, Ohio, a corporation of Ohio
Application July 14, 1944, Serial No. 544,859
6 Claims. (Cl. 18—45)



5. A form for building hollow articles having an opening therein, comprising a hollow segmental shell having an opening therein corresponding to said openings of the articles, releasable means for securing said segments in assembled relation to form the shell, said segments having inwardly extending portions adapted to be cooperatively arranged at spaced points within the shell, a plurality of apertured bearing members, means for releasably securing said bearing members to said inwardly extending portions at said spaced points, a supporting element receivable through said opening of the shell and through the apertures of said bearing members, means for securing said supporting element against relative rotational movement in said bearing members, a base, an upright on said base, a spindle mounted on said upright to be rotatable on a substantially horizontal axis, gripping means for rotating said spindle on said upright, means for removably mounting said supporting element on said spindle, and releasable means for locking said spindle against rotation in different positions on said upright.

2,460,846
WIRE TYING MACHINE
Kurt Eric Schulze, San Francisco, Calif., assignor to Ernest Roe, doing business as Coast Wire Company, San Francisco, Calif.
Application October 5, 1946, Serial No. 701,530
15 Claims. (Cl. 140—93)



1. In a wire tying machine having a wire twisting gear and means to rotate said gear to twist wires together to form a tie, the combination of means to cut the ends of said wires twisted together to form a tie comprising a member having at least two wire receiving portions and a member having a single wire receiving portion arranged side by side adjacent to each end of said twisting gear, and means to move one of said members relative to an adjacent said member to produce a scissor action therebetween, one of said wire receiving portions arranged with respect to another said portion and said single

wire receiving portion so that wire disposed in

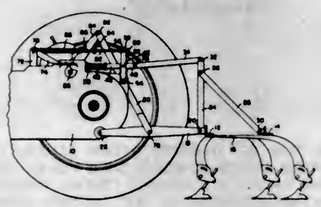
2,460,849

2,460,851

methylcyclopentane and benzene from a liquid fraction comprising cyclohexane free of any sub-

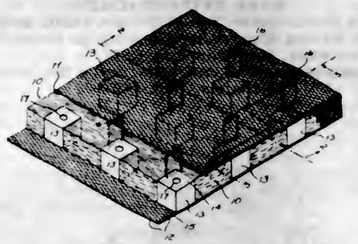
wire receiving portion so that wire disposed in one said portion is cut but not wire disposed in another said portion upon movement of said members relative to one another.

2,460,847
IMPLEMENT BALANCE CONTROL LINK SPRING
Harold W. Schwarz, Mercedes, Tex.
Application April 12, 1946, Serial No. 661,834
1 Claim. (Cl. 97—50)



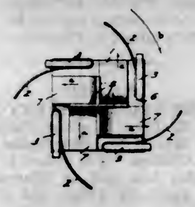
A device of the character described for varying the compression in a balance spring of a hydraulic linkage system for a tractor, comprising a pair of vertically disposed parallel links connected to said linkage system, a disc pivotally mounted between said links, an adjusting screw mounted in said disc, a plate threadably mounted on said screw, hook bolts carried by said plate on opposite sides of said screw, parallel springs connected at one end to said hooks and at the other end to the tractor, said links being connected to the hydraulic linkage system rearwardly of the connection of said springs to the tractor.

2,460,848
INSULATING BLANKET
Richard H. Rover, Roselle, N. J., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application July 14, 1944, Serial No. 544,957
4 Claims. (Cl. 154—44)



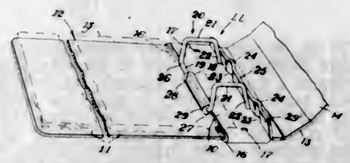
1. An insulating lining comprising spaced metallic screens, a layer of fibrous insulation between said screens, means extending between the screens and through the insulation for securing the insulation and the screens together to form a blanket, and a plurality of blocks of solid insulating material, said blocks being arranged between the screens in spaced rows and spaced from one another in said rows, the blocks having a substantially flat surface at opposite sides thereof, one of said surfaces engaging one of the screens and the opposite of said surfaces engaging the other screen thereby limiting movement of the screens toward one another and insulating said screens from one another.

2,460,849
CONSTANT SPEED ROTOR FOR TURBINES
Jurg A. Senn, Milwaukee, Wis., assignor to the United States of America as represented by the Secretary of War
Application July 16, 1945, Serial No. 605,449
3 Claims. (Cl. 170—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



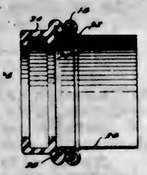
1. A rotor for a turbine comprising a rectangular base, rectangular legs projecting from the base, flexible blades having one end wound about the legs, projections of the legs to hold the blades in place, four vanes projecting from and forming a cross at the center of the base, and curved surfaces sloping from the free edges of the vanes to the base.

2,460,850
NOTEBOOK LOOSE-LEAF BINDER
Samuel Segal, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application March 25, 1947, Serial No. 736,969
5 Claims. (Cl. 129—24)



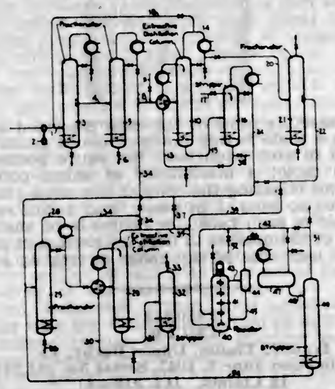
1. A loose leaf binder; comprising, a relatively elongated strap embodying a rectilinear body having a bearing disposed along one longitudinal margin thereof, an upstanding rectilinear abutment flange biased relative to said body and defining an acute angle therewith and spaced from and leaning in a direction towards said bearing and including spaced indent means, and a stay having means movably guided by said bearing and including spaced prong means embodying intermediate rectilinear bridge portions and depending rectilinear portions defining with said bridge portions obtuse angles and sloping outwardly and downwardly towards said flange and including free terminals only wedgeably coacting with said flange when said prong means are arranged fully across said strap and out of alignment with said indent means to preclude rotational displacement of said prong means upwardly and rearwardly away from said flange and said depending rectilinear portions adapted on voluntary bodily linear displacement of said stay relative to said bearing to be arranged in alignment with said indent means to permit swinging of said prong means bodily rearwardly fully clear of said indent means and flange.

2,460,851
BAG COUPLING FOR SUCTION CLEANERS
William L. Sheppard, Farmington, Mich., assignor to Eureka Williams Corporation, a corporation of Michigan
Application January 26, 1946, Serial No. 643,820
7 Claims. (Cl. 285—71)



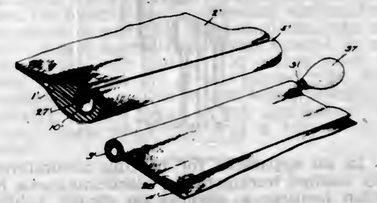
1. In a suction cleaner, a tubular air conducting part, a ring of resilient material detachably connected thereto, a member arranged within said ring and a bag having the walls defining its mouth clamped by and between said member and said ring, said ring being constructed and arranged so that at least the portion thereof clamping the mouth of said bag to said member is axially movable relative to said member to release the connection of the mouth of said bag with said member.

2,460,852
ISOMERIZATION OF CYCLOPARAFFINS OF NONHYDROAROMATIC STRUCTURE
Russell N. Shiras, Oakland, Alan C. Nixon, Berkeley, and Carl H. Deal, Jr., Alameda, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 18, 1946, Serial No. 703,992
8 Claims. (Cl. 260—666)



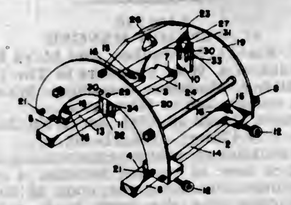
1. The process for the production of cyclohexane free of any substantial amount of benzene from naphthenic gasoline which comprises separating a fraction comprising methylcyclopentane and cyclohexane in admixture with close boiling open chain paraffins and benzene from said gasoline, subjecting said fraction to extractive distillation in a first extractive distillation zone, separating a raffinate fraction comprising paraffins from an extract fraction comprising methylcyclohexane, cyclohexane and benzene in said first extractive distillation zone, passing said extract fraction from said first extractive distillation zone into a cycloparaffin fractionating zone, separating a vapor fraction comprising methylcyclopentane and benzene from a liquid fraction comprising cyclohexane free of any substantial amount of benzene in said cycloparaffin fractionating zone, passing said vapor fraction from said cycloparaffin fractionating zone into a second extractive distillation zone, separating a raffinate fraction comprising methylcyclopentane free of any substantial amount of benzene from an extract fraction comprising benzene in said second extractive distillation zone, contacting said raffinate from said second extractive distillation zone with an isomerization catalyst at methylcyclopentane isomerizing conditions in a conversion zone, thereby converting methylcyclopentane to cyclohexane in said conversion zone, passing effluence from said conversion zone into said cycloparaffin fractionating zone, and withdrawing said liquid fraction consisting essentially of cyclohexane free of any substantial amount of benzene from said cycloparaffin fractionating zone.

2,460,853
WATERPROOF FASTENING DEVICE
Paul A. Siple, United States Army, Arlington, Va.
Application June 27, 1945, Serial No. 601,906
5 Claims. (Cl. 24—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A fastening device comprising a tubular element of resilient material provided with a slot extending throughout its length, an inflatable tubular element adapted to be inserted in said slotted element, and means for inflating said insertible element.

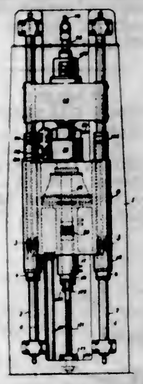
2,460,854
SHAFT TAPER GAUGE
William L. Smith, Bremerton, Wash.
Application July 6, 1945, Serial No. 603,569
4 Claims. (Cl. 33—174)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A taper gauge comprising a pair of oppositely disposed bars having inner edge faces of substantial depth inclined at a desired taper in respect to the outer edges of the bars, plate members overlying said bars, a pair of spaced bridge members fixed to the ends of said plates, and dis-

posed in planes perpendicular to said plates, contact members mounted on said bridge members for slidable adjustment inwardly or outwardly of said bridge members, and means mounting said bars on said plates for slidable adjustment of said bars toward or away from each other inwardly or outwardly of said plates.

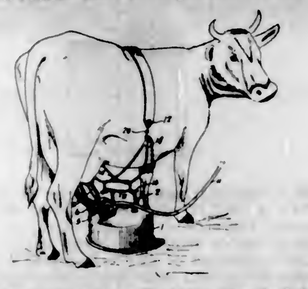
2,460,855
ELECTROMAGNETIC INDUCTION HEAT-TREATING APPARATUS
Howard E. Semes, Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1945, Serial No. 572,316
17 Claims. (Cl. 219—13)



1. In an apparatus for heating circumferentially toothed workpieces by electromagnetic induction heating, a support for rigidly holding the toothed workpiece to be heated, an energizable helical inducing coil having circumferential teeth corresponding in number and spacing to the teeth of the workpiece, the teeth of one of the coil and workpiece being external and the teeth of the other being internal, means for effecting relative axial movement between said support and the workpiece to register the teeth of said workpiece and the coil with each tooth of the workpiece disposed between and spaced from a pair of adjacent teeth of said coil, and means for effecting rapid relative reciprocatory movement between the teeth of the workpiece and coil while in registration and during energization of said coil.

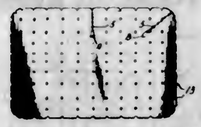
2,460,856
SUSPENSION HANGER
Frank W. Stanke, Milwaukee, and Lloyd F. Bender, Waukesha, Wis., assignors to The Universal Milking Machine Company, Waukesha, Wis., a corporation of Wisconsin
Application March 13, 1941, Serial No. 383,192
4 Claims. (Cl. 31—58)

1. In a milking apparatus, a suspensory hanger including a bow to extend beneath a cow, a surcingle interconnecting the ends of the bow and extending over the cow's back, relatively spaced suspension supports upon the bow disposed in aligned relation transversely thereof, a milk receiver having double point suspension upon the spaced supports for transverse oscillatory motion in opposite directions from vertical about a fore and aft axis, teat cups and flexible milk tubes interconnecting the swinging milk receiver with the cow's teats, and a pulsator mechanism for imparting suction influence to the teat cups at one side of the axis of oscillation alternately with the imparting of like suction influence to the teat cups at the opposite side of the axis of oscillation, the construction and arrangement being such



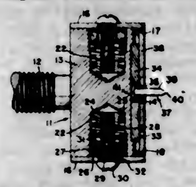
that swinging motion will be transmitted to the milk receiver first in one direction past vertical position and then in the opposite direction past vertical position, wherein the milk receiver will describe a swinging movement in an arc of short radius, the swinging movement of the milk receiver operating to impart a tugging action alternately to different portions of the cow's teats.

2,460,857
OPERATING TABLE
Max L. Sweat, Salt Lake City, Utah
Application April 26, 1944, Serial No. 532,854
1 Claim. (Cl. 119—103)



A dissecting table of the class described comprising a table having notches spaced apart and formed in and throughout the entire perimeter of the table; a multiplicity of sharp pointed hooks for engaging the body of the carcass being dissected to hold it in place; and a ball chain attached to each hook, the chains to be engaged in any of the notches to hold the carcass in place and at least one of the hooks serving as a retractor.

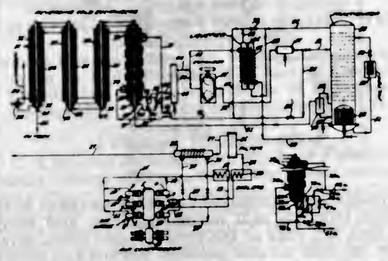
2,460,858
CHUCK
Ivan V. Thulin, Upper Darby, Pa.
Application June 2, 1947, Serial No. 751,943
10 Claims. (Cl. 279—4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A chuck comprising a body, a plurality of jaws disposed about the periphery of said body

at one end thereof, said jaws being disposed in opposed relation and extending beyond the end of said body, and means for securing at least one of said jaws to said body, said means for at least one jaw including a spring to secure yieldingly said jaw to said body for yieldingly gripping a workpiece, and means for adjusting the force exerted by said spring to adjust the gripping force of said jaws relative to a workpiece.

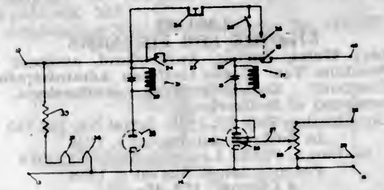
2,460,859
METHOD OF GAS SEPARATION INCLUDING IMPURITY REMOVING STEPS
Paul R. Trumpler, Westfield, N. J., assignor to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 1, 1944, Serial No. 533,608
17 Claims. (Cl. 62—175.5)



4. In a method of separating a gaseous mixture into its components, wherein a compressed gaseous stream of said mixture, the components of which differ in boiling points in their liquid states, is passed in one direction of flow through a reversing heat-exchange zone along a path therein progressively decreasing in temperature from end to end to effect cooling of the stream and resultant precipitation of a component of higher boiling point in a colder portion of said path and wherein a second gaseous stream free of the last mentioned component and at lower temperature than said colder portion is passed subsequently through the same path in the opposite direction of flow after the first stream has ceased flow; the step of increasing the temperature of the second mentioned stream before such passage by diverting a portion thereof through a separate parallel path in said heat interchange zone disposed in heat exchange relation with the colder portion of said path to increase the temperature of the said diverted portion of said second mentioned stream, then combining the latter with the remaining portion of said second mentioned stream, and then effecting said subsequent passage of the second mentioned stream in the opposite direction and over the precipitate and thereby causing removal thereof.

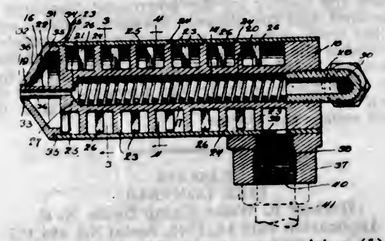
2,460,860
ELECTRONIC CIRCUIT BREAKER
Americo Volpigno, Providence, R. I.
Application October 25, 1945, Serial No. 624,622
3 Claims. (Cl. 175—294)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electronic circuit breaker adapted to be inserted in the power supply of electrical apparatus comprising, a pair of leads for conveying current from the power source to said apparatus, a relay having its contacts connected in series with one of said leads and having one end of its coil connected to one of said leads, said relay contacts being closed by current through said coil, an electron tube having its plate connected to the other end of said relay coil and its cathode connected to the other of said leads, a second pair of leads, one of said second pair of leads being connected in the grid circuit of said electron tube and the other of said second pair of leads being connected to one of said first mentioned pair, said second pair of leads being adapted to be connected to points in said apparatus to transmit any voltage change arising in said apparatus due to shorts or improper connections therein and bias said grid beyond cutoff and thereby open said re-



lay contacts, a second relay having its contacts connected in series with said first mentioned lead and having one end of its coil connected to one side of second contacts associated with said first mentioned relay, said second set of contacts being closed when said first mentioned contacts are open, the other side of said second contacts being connected to said first mentioned lead, the contacts of said second relay being opened by current through the coil of said second relay, the other end of the coil of said second relay being connected to the other of said leads, whereby the contacts of said second relay are opened and remain open when said grid is biased beyond cutoff.

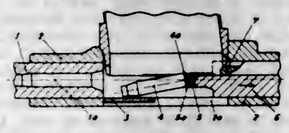
2,460,861
LIQUID SPRAYER
Harold G. Walters, United States Army, Richmond, Ind.
Application January 18, 1945, Serial No. 573,399
3 Claims. (Cl. 299—87)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A liquid atomizing device comprising (1) a conduit communicating with a liquid reservoir, said conduit having an elongated straight tubular wall of large cross-section for the conveyance of said liquid, (2) spiral means coaxial with and interiorly of said conduit and in heat exchange relation with the tubular wall of said conduit for agitating and heating the liquid conveyed through said conduit, (3) a tubular outlet of small cross-section communicating with said conduit, (4) an elongated tubular housing for the conveyance of atomizing fluid under pressure, said housing surrounding said conduit and communicating with a source of supply of said atomizing fluid,

(5) said housing having a constricted outlet portion surrounding said first-named outlet and terminating in the same plane as said first-named outlet in aspirating relation therewith, and (6) heat conductive means exteriorly on said conduit and extending into said housing for defining a path of flow for said atomizing fluid through said housing to said aspirating outlet from side to side of the housing and around said conduit to effect maximum contact between said atomizing fluid and said conduit and to obtain optimum heating thereof and of the liquid passing through said conduit.

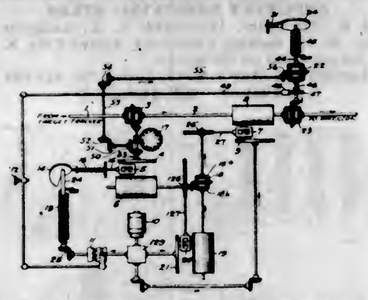
2,460,862
EJECTOR FOR FIREARMS
Albert Weiss, Zurich, Switzerland, assignor to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland, a company of Switzerland
Application July 27, 1939, Serial No. 286,785
In Switzerland August 5, 1938
Section 3, Public Law 690, August 8, 1946
Patent expires August 5, 1958
4 Claims. (Cl. 42—25)



1. In a fire-arm, a breech casing, a barrel supported in said casing and having a cartridge chamber dimensioned to receive a cartridge of a given shell length, a breech-block movable toward and away from said chamber, said breech-block having means for releasably engaging a cartridge shell, an ejector spaced rearwardly of the chamber by a distance considerably greater than the length of the cartridge shell, and a cross-piece positioned behind the cartridge chamber and parallel to the longitudinal axis of the barrel and transversely to the direction of ejection of the cartridge shell for supporting the forward edge of the latter as it is withdrawn by the breech-block, there being an opening at the bottom of the breech casing to the rear of the cross-piece and below the ejector for the downward discharge of the shell, and the distance between the rear edge of the cross-piece and the ejector being sufficient to enable the cartridge shell to fall through said opening, but being of such reduced extent that the cross-piece underlies the forward edge of the shell up to substantially the moment that the shell strikes the ejector.

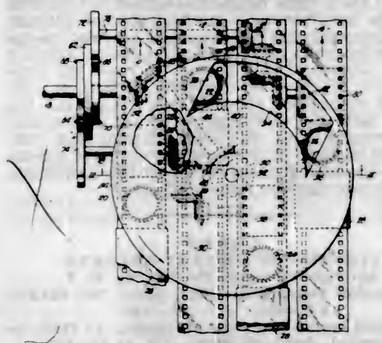
2,460,863
FIRE CONTROL
Herbert K. Weiss, Camp Davis, N. C.
Application July 10, 1943, Serial No. 494,175
9 Claims. (Cl. 235—61.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a smoothing device connected to the output tracker shaft of a tracking device and the smoothed rate input shaft of a director, the combination of a differential gearing connected between the said shafts, said gearing having a third shaft, a variable speed drive having an input disc connected to the third shaft and having a driven output member and an interposed ball cage, a constant speed motor, a cam connected to said ball cage, yielding means engaged with the cam tending to hold it at a normal initial position, a releasable connection between the cam and motor, the normal position of the cam and the connected ball cage being such that the latter is adjacent the rim of the input disc whereby maximum motion is then transmitted to the output member, a second similar variable speed drive the input disc of which is operatively connected to the motor, the output member of the second variable speed drive being connected to drive the said smoothed rate shaft, the ball cage of said second variable speed drive being connected for operation by the said output member of the first said variable speed drive, and means to engage



said releasable connection to cause the cam to be turned from its said normal position and move the said ball cage of the first variable speed drive from its said normal position toward the center of the disc, whereby the first said variable speed drive transmits motion to adjust said second variable speed drive at a progressively decreasing rate whereby said second variable speed drive operates said smoothed rate shaft at a rate proportionate to a mean of the rates of the output shaft, with diminished fluctuations proportionate to the rate differences between the input and output shafts and the time the motor is connected to the cam.

2,460,864
MOTION-PICTURE PROJECTING SYSTEM
Fred Howard Whiteley, Kansas City, Kans.
Application September 17, 1945, Serial No. 616,678
5 Claims. (Cl. 88—16.6)



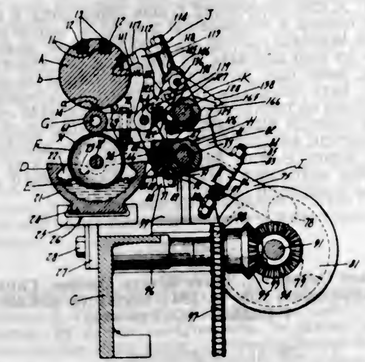
1. In a motion picture projecting system of the character described, a plurality of independent picture films arranged in pairs, the films of each pair having been simultaneously made of the same subject, said films being divided into frames and arranged in side-by-side relation with

stretches thereof in a common plane; a projecting lens to one side of each film respectively; mechanism for applying step-by-step movement to the films to draw the same past their respective lenses; a single rotatable opaque shutter plate, having an aperture formed therethrough, mounted in front of the lenses and of a size great enough to intercept light passing through all of said lenses, said films of each pair being offset one frame, the aperture of the shutter being formed to progressively cover the lens of one film of a pair of films as the lens of the other film of the pair is uncovered, said covering action of the shutter being such as to intercept and uncover respectively, like portions of the images being projected from the frames behind the lenses of the pairs of films.

2,460,865
MANUFACTURE OF TRICHLOROMETHYL DIARYLMETHANES
Charles Eugene Wilson, Jr., Denver, Colo., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 14, 1944, Serial No. 568,210
4 Claims. (Cl. 260—649)

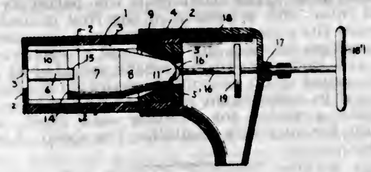
1. A process for the manufacture of a trichloromethyl diaryl methane which comprises condensing a chloral yielding compound with an aromatic compound having replaceable nuclear hydrogen in the presence of both sulfuric acid and an added quantity of the sulfonic acid of said aromatic compound.

2,460,866
CAN BODY SOLDER FLUXING MECHANISM
Delbert E. Wobbe, Maywood, and Walter F. Pillnik, Harvey, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 6, 1944, Serial No. 562,154
9 Claims. (Cl. 113—95)



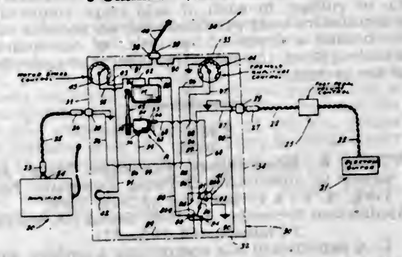
1. In a solder fluxing mechanism for applying fluxing material to the side seam of a container body, the combination of a machine frame, a horn carried on said frame for supporting container bodies passing therealong into fluxing position, a flux applying roller located adjacent said supporting horn for engaging can bodies and for applying fluxing material to the side seams of the bodies, a flux pot mounted on said frame for holding a supply of liquid fluxing material, a flux supply roller rotatable in said liquid flux and disposed in engagement with said flux applying roller for transferring flux from said flux pot to said flux applying roller, a common pivotal mounting in said frame for both of said rollers, and floating means operable at right angles to the said common pivotal mounting for uniformly engaging said flux applying roller along the entire length of the container body being fluxed.

2,460,867
VALVE CLOSURE
Charles F. Zimmerman, Braddock Heights, Md., assignor of one-half to Walter J. Davis, Frederick, Md.
Application May 31, 1945, Serial No. 596,873
4 Claims. (Cl. 251—27)



1. In a valve closure, the combination with a valve casing having a cylindrical bore provided with a plurality of spaced longitudinal inwardly projecting ribs, a frusto-conical bore and a reduced cylindrical bore; of a pressure-responsive float valve of resilient material having a cylindrical body slidably engaging said ribs, a frusto-conical end portion of a flare less than that of said frusto-conical bore to provide an annular space communicating with the spaces between said ribs for passage of fluid, and a rounded nose the arcuate elements of which merge into the straight elements of said frusto-conical end portion, said valve being driven forward and resiliently deformable under fluid pressure to compress and elongate said rounded nose and the adjoining smaller end of said frusto-conical end portion to contact and plug a circular valve seat zone of said reduced cylindrical bore, said rounded nose serving to center the valve with respect to said reduced bore.

2,460,868
TREMOLO PRODUCING DEVICE
Andrew L. Appel, St. Louis, Mo.
Application June 13, 1946, Serial No. 676,512
5 Claims. (Cl. 84—1.25)



5. Apparatus adapted to be interposed between the sound source and the amplifier of a stringed musical instrument of the electric type, said apparatus including a casing with top, bottom, side, front and rear walls, a socket in one side wall to receive a plug on one end of a shielded conductor leading from said sound source, a socket in the opposite side wall to receive a plug on one

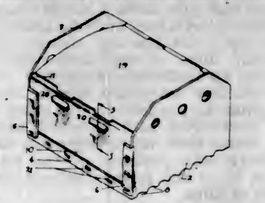
end of a shielded conductor leading to said amplifier, and a tremolo-producing device of the character described mounted on the bottom wall of said casing interiorly thereof, said device including a U-shaped frame member, aligned bearing openings in the legs thereof for supporting a transverse rotary shaft, a brush assembly in the web portion of the frame, another brush assembly in one of said legs, a rotor of non-conductive material secured to said shaft between said legs, a circular series of resistor elements each imbedded in a hole provided in said rotor, a contact projecting beyond one face of the rotor secured to one end of each resistor, spring means included in the first-named brush assembly for maintaining the brush thereof in engagement with at least one of said projecting contacts, a bronze ring press-fitted onto the periphery of said rotor with a portion of the ring projecting beyond the other face of the rotor, a permanent connection between the other end of each resistor and said ring, spring means included in the last-named brush assembly to maintain the brush thereof in engagement with said ring, means including a motor for rotating said shaft, and means for manually regulating the speed of said motor.

2,460,869
ANTENNA
Rene A. Braden, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 14, 1946, Serial No. 654,276
1 Claim. (Cl. 250—33.65)

A directive antenna comprising a reflector, a radiator element adjacent said reflector in cooperative relationship therewith, and a plurality of traps surrounding said reflector and adjacent the edge thereof, and separated from each other by bodies of material exhibiting electrical losses of substantially the same order as those characteristic of rubber, in each of said traps comprising a conductive body provided with an annular cavity having a depth of the order of one-quarter wavelength at the mean frequency of operation of the system.

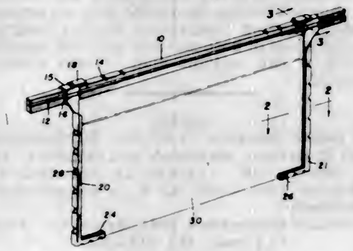
2,460,870
BOX
William K. Bruckhauser, Brookline, Mass., assignor to International Paper Company, New York, N. Y., a corporation of New York
Application November 13, 1945, Serial No. 628,205
3 Claims. (Cl. 229—23)

1. A paperboard box comprising a bottom, side walls, end walls, and a removable lid, at least two opposite of said walls being double-ply and consisting of an outer wall portion, a laterally projecting flange portion substantially at right angles to said outer wall, and an inner wall portion depending from said flange, said lid being provided on two opposite edges with tabs extending outwardly in the plane thereof, the flange and outer wall portions of said double-ply walls being provided with apertures located to define downwardly and outwardly extending tab-receiving passages whereby upon application of said lid the tabs thereof may be inserted through said



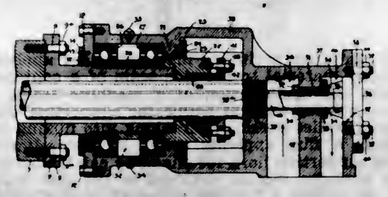
passages and forces applied by edge portions of the material defining said passages against the tabs of said lid will both hold said tabs in position and effect a substantially uniform upward arching of said lid.

2,460,871
FILM SUPPORTING FRAME
Dominick L. Caldarulo, Falls City, Nebr.
Application May 21, 1947, Serial No. 749,495
2 Claims. (Cl. 95—100)



1. A film supporting frame comprising a base bar having a longitudinal groove, a pair of slidable brackets carried by said base bar, channel ribs in said brackets for engaging the groove in said base bar, substantially L-shaped channel side bars integrally formed with said brackets adapted to receive the lower edge and side edges of a sheet of film, said side bars having openings to prevent air bubbles forming therein, and locking means carried by each of the brackets for sliding adjustment of the side bars toward and away from each other.

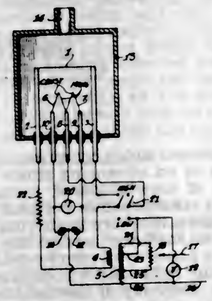
2,460,872
STEAM JOINT
Russell Carpenter, Three Rivers, Quebec, Canada
Application July 16, 1945, Serial No. 605,292
7 Claims. (Cl. 285—10)



5. A steam joint attachment for a rotary steam heated cylinder comprising a casting affording

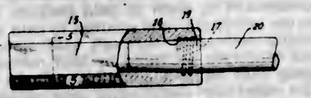
a steam supply chamber and a condensate-receiving chamber separated by an intervening partition wall having a siphon pipe opening therein line with a larger steam supply opening provided in a side wall of the steam supply chamber, a steam supply pipe having one end supported in said steam supply opening and adapted to extend therefrom into the interior of the steam heated cylinder, a siphon pipe passing through said steam supply pipe and having one end extending through said siphon pipe opening, a sleeve slidably fitted in said siphon pipe opening and rigidly secured to the siphon pipe, and means for releasably securing said sleeve in a stationary position in said opening.

2,460,873
VACUUM GAUGE
Dayton H. Clewell and David C. Pfeiffer, Dallas, Tex.
Application January 1, 1945, Serial No. 570,970
4 Claims. (Cl. 73—399)



2. An apparatus for measuring the pressure of gases and vapors including a filament, two thermo-junctions spaced optimum distances from said filament, two electrical impedances, a regulatable source of alternating current, an electrical meter sensitive to direct current, and switching means, said thermo-junctions and electrical impedances connected electrically so as to constitute the four arms of a balanced Wheatstone bridge, said meter connected to the output of the bridge, said switching means adapted to connect the source of alternating current alternatively to the filament and to the input to the bridge whereby the direct current flowing in the electrical meter will be a measure of the pressure of the gaseous environment of said filament and thermo-junctions over a wide range of pressure.

2,460,874
METHOD OF MAKING TOOL HANDLES
Clarence J. Coberly, Jr., San Marino, Calif., assignor, by mesne assignments, to Kobe, Inc., Huntington Park, Calif., a corporation of California
Application July 21, 1944, Serial No. 546,029
3 Claims. (Cl. 18—59)

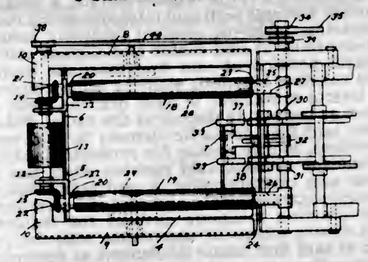


1. A method of forming a plastic article, including the steps of: forcing a coil of spring wire axially on a tapered mandrel so as to cause said coil to expand radially at a point where the coil snugly and inherently engages the mandrel; and molding a wall of plastic material around said coil and said mandrel so as to form a relatively hard plastic element having a bore of substantially the same diameter as said mandrel and having said coil embedded therein with the ends of said coil spaced from the ends of said bore.

2,460,875
COMBINED DYEING AND CREPING PROCESS FOR ORGANIC DERIVATIVE OF CELLULOSE FABRICS
Cyril M. Croft and Walter H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application August 2, 1945, Serial No. 608,610
9 Claims. (Cl. 8—17)

1. Process for the production of colored fabrics exhibiting crepe effects, which comprises mechanically impregnating a fabric containing yarns of filaments of organic derivative of cellulose, which yarns have been crepe twisted while being subjected to the action of a hot aqueous fluid, with an aqueous alcoholic solution of a dyestuff, said aqueous alcoholic solution comprising at least 70% by weight of a lower aliphatic alcohol which is a solvent for the dyestuff, washing said fabric and then treating the dyed fabric with a hot aqueous creping bath.

2,460,876
SHEET RECEIVING AND ALIGNING BIN
Albert Dager, Los Angeles, Calif., assignor of one-half to Elias Shaheen, Los Angeles, Calif.
Application December 27, 1946, Serial No. 718,701
3 Claims. (Cl. 271—89)

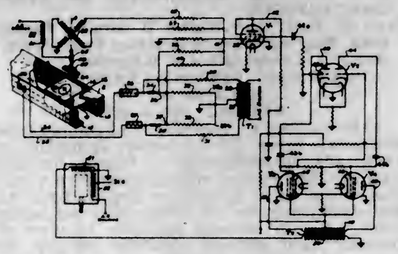


1. In apparatus of the character set forth, the combination with a paper sheet receiving bin, and means for delivering paper sheets to said bin, of means for aligning the edges of said sheets within the bin, said means comprising a pair of spaced-apart parallel rollers overlying the bin and extending the length of the bin, means for rotating both the said rollers simultaneously and in opposite directions, and in such a manner that a sheet, if delivered off center to the bin, will contact one of the rotating rollers and be directed into the bin.

2,460,877
CONTROL APPARATUS
Richard C. Dehmel, Summit, N. J.
Application May 1, 1945, Serial No. 591,320
19 Claims. (Cl. 25—10)

1. Control apparatus comprising a variably movable element, a follow-up member arranged to be actuated by said element through structure

having a variable mechanical advantage, electric motive means for providing auxiliary power for operating said follow-up member and electric control means operable only when the mechanical advantage of said structure has decreased to a predetermined minimum for energizing said motive means, said control means also being effective to increase the current supply to said motive means so as to increase in accordance with further decrease in magnitude of said mechanical advantage the auxiliary force acting on said follow-up member.



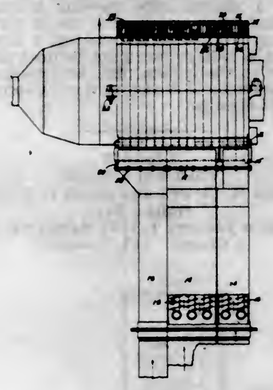
10. In aircraft training apparatus a charting element freely movable both radially and in azimuth about a given center representing a radio-range station to simulate the instant flight position of an aircraft, a control member rotatable about said center, means interconnecting said charting element and said member for causing rotation of said member as said element moves in azimuth, said interconnecting means movable radially of said member and having limited lateral movement with respect thereto, a magnetic element movable with said interconnecting means, a coacting magnetic element rotatably mounted substantially at said center and aligned with the central position of said first magnetic element, said coacting magnetic element being responsive to lateral movement of said first magnetic element in increasing degree as the radial distance from said first magnetic element to said center decreases, motive means for producing auxiliary torque for rotating said member when the moment arm corresponding to said radial distance is comparatively small, and means controlled by said coacting magnetic element for regulating said motive means in accordance with the position of said first magnetic element as determined by movement in said lateral and radial directions.

2,460,878
COATING COMPOSITION
Charles Di Battista and Bernard Lewis Di Battista, Cranford, N. J.
No Drawing. Application July 9, 1946, Serial No. 682,307
2 Claims. (Cl. 106—84)

1. A decorative coating composition for masonry surfaces comprising an aqueous solution of potassium silicate of 15 to 25° Bé., as a vehicle and containing about 8 to about 11 pounds, per gallon of the vehicle, of a composite pigment mixture composed of the following materials in proportions by weight within the indicated ranges:

	Per cent
Silica	40 to 70
Barium sulfate	25 to 40
Titanium oxide	5 to 20
Glycerine	1 to 4

2,460,879
DRYING AND CONDITIONING OF YARNS
William H. Furness, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 24, 1945, Serial No. 590,084
13 Claims. (Cl. 34—24)

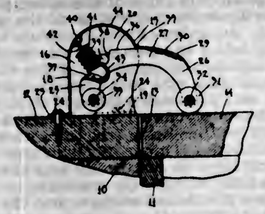


11. The process which comprises laying up yarn in the form of an advancing single helix with a multiplicity of closely spaced turns, supporting the turns at spaced points peripherally, blowing under pressure a moisture modifying gaseous medium into and inwardly beyond the periphery of the helix in a plurality of narrow zones transverse the axis of the helix, and withdrawing outwardly through the periphery of the helix in a plurality of narrow zones alternating with the zones first mentioned, the gaseous medium so blown into and through the periphery.

2,460,880
UNIVERSAL ATTACHMENT STAND
Harvey Edward Geiser, Mentor, and John C. Geiser, Jr., Cleveland, Ohio
Application February 20, 1946, Serial No. 648,923
1 Claim. (Cl. 287—87)

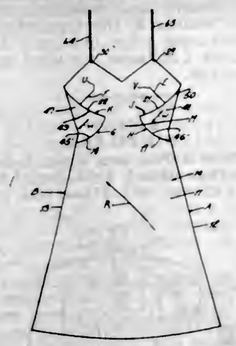
A universal connector comprising in combination, a pair of independently rotatable substantially tubular housing members disposed in a longitudinally aligned relation, abutting caps provided at the adjacent ends of said members, the remaining ends of said members forming substantially semi-spherical sockets and being provided with diametrically extending slots, a ball positioned in each of said sockets, laterally swingable extension rods secured to said balls and projecting outwardly through said slots, spring pressed followers provided in said members and engaging said balls, a coupling element separably and rotatably connecting said members together, and a compression spring associated with said element for normally urging said caps into the abutting relation.

2,460,881
DOOR CLOSER
Chester O. Geesrud, St. Paul, Minn.
Application December 23, 1944, Serial No. 569,564
7 Claims. (Cl. 292—79)



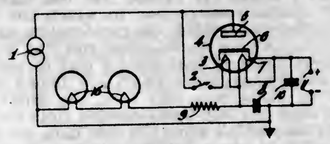
6. A door closer comprising a case having spaced side walls, a back and a base, a lever having a trip arm and a closing arm arranged to form a bight therebetween, said lever being disposed partly between said walls and with the closing arm extending outwardly beyond said walls, pivot means between said side walls and lever, spring means acting between said trip arm and case, said spring means being attached to the trip arm at a locality between the free end thereof and said pivot means and to the back of said case at a locality on the side of said pivot means opposite to said base to exclude the operation of said spring from the bight of said lever.

2,460,882
LADY'S GARMENT
Dorine Gourdon, New York, N. Y., assignor to The Barbizon Corporation, New York, N. Y., a corporation of New York
Application May 8, 1946, Serial No. 668,243
4 Claims. (Cl. 2—73)



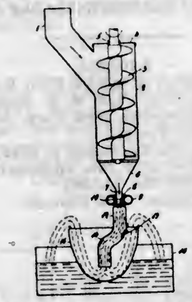
1. A lady's garment of three bias cut fabric panels combined together to form the garment comprising a front panel of bias cut fabric having a skirt portion, a midriff portion and an upper bust portion, the midriff portion having cut-out portions with curved lower edges extending inwardly from opposite side edges, and the upper portion having darts whose edges are joined to define upper curved edges for said cut-out portions, a rear panel of bias cut fabric corresponding substantially in shape with the skirt portion of said front panel and joined along its side edges to corresponding side edges of the skirt portion, and having upper curved edges, and a unitary bodice panel of bias cut fabric having a rear portion whose lowermost edges are substantially complementary with and joined to the upper curved edges of said rear skirt panel, and said bodice panel having oppositely extending flaps substantially complementary in shape to the cut-out portions of said front panel, said flaps being bent to fit into said cut-out portions and being joined to the latter along the upper and lower curved edges thereof.

2,460,883
MEANS FOR SAVING POWER
George D. Hanchett, Jr., Millburn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 10, 1947, Serial No. 785,145
10 Claims. (Cl. 315—104)



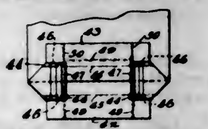
1. In combination an anode, an indirectly heated cathode, a filament arranged to heat said cathode initially to emission temperature, an auxiliary filament arranged to heat said cathode and a circuit connecting said auxiliary filament serially in the discharge path of said cathode and anode to maintain said temperature.

2,460,884
ART OF MIXING A PLASTIC MASS IN A LIQUID
Carl Ivar Fredrik Hjort, Djursholm, and Oscar Victor Emanuel Jansa, Nockeby, Sweden
Application April 5, 1944, Serial No. 529,694
In Sweden June 19, 1943
8 Claims. (Cl. 259—36)



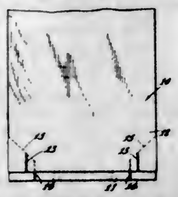
1. An apparatus for producing a uniform dispersion of clay in liquid which comprises in combination an extruding mouth piece, means for extruding raw clay through said mouth piece in the form of a coherent plastic string, means for compressing water under a pressure of the order of at least about 10 to 15 kg./cm.², nozzle means for forming a concentric high-velocity jet of said water and for directing it transversely against said string of clay in such fashion that a substantially uniform mixture of clay and water is produced, a common housing for said extruding mouth piece and said nozzle provided with an outlet for said mixture, a conduit for receiving said mixture from said outlet and means in said conduit for temporarily retaining any undispersed clay particles.

2,460,885
MULTIPLY PASTED END BAG WITH SEALED INNER PLY
Edgar B. Hoppe, New York, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application December 9, 1944, Serial No. 567,427
2 Claims. (Cl. 229—59)



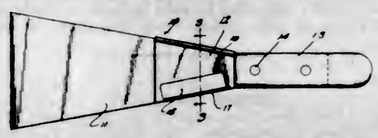
1. In a plural ply pasted end bag having a corner closure construction in which the inner ply is completely sealed, the construction at such corner comprising an inturned end flap adjoining along diagonal fold lines a pair of overlapping side flap portions which are folded in respectively along base fold lines, the inner portion of said end flap being divided from the side flaps by slits which when the side flaps are open, are positioned along outside said base fold lines so that the sides of said end flap extend out beyond said base fold lines and are folded in along such lines when the side flaps are folded in, lines of adhesive extending respectively continuously along the lengths of said slits on the inner surface of the inner ply of said end flaps and adhered to the inner surfaces of the inner plies of said side flaps, the inner ply of said end flap extending inwardly beyond the other ply or plies thereof, and a line of adhesive extending continuously from side to side of the end flap inner ply on the outer surface of its extending portion, said latter line of adhesive being adhered continuously along its length to inner ply flap portions which are folded over in contact therewith, whereby said lines of adhesive completely seal the inner ply of the corner construction against access of material in the bag to the other ply or plies.

2,460,886
MULTIPLY PASTED END BAG
Edgar B. Hoppe, New York, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Original application December 9, 1944, Serial No. 567,427. Divided and this application December 3, 1946, Serial No. 713,801
2 Claims. (Cl. 229—59)



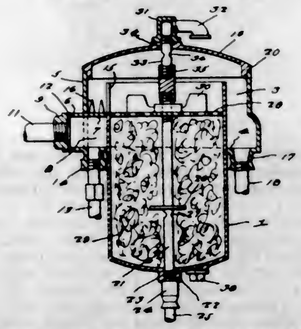
1. A plural ply pasted end bag, the end closure of which comprises a pair of inturned corner flap portions adjoining along diagonal fold lines a pair of side flap portions which are folded in along base fold lines to overlap, and to overlie the corner flaps, the inner ply of the underlying side flap protruding beyond the outer ply or plies thereof, the outer ply of the overlying side flap protruding beyond the inner ply or plies thereof, the inner ply of the corner flaps protruding inwardly beyond the outer ply or plies thereof, the end portions of the side flaps being divided from the end portions of the corner flaps by slits in each ply, the inner ply slits being spaced inwardly with respect to the outer ply slits and said diagonal fold lines of the inner ply extending inwardly beyond the ends of the slits of the outer ply, the sides of the inner ply of the corner flaps, when the side flaps are open, extending out beyond the outer ply of the corner flaps and beyond said base fold lines and being folded in along said lines when the side flaps are folded in, the inner ply flap margins, when the flaps are folded in, thus being free to contact with and being adhered to inner ply surfaces on other flaps along lines to completely seal the inner ply against access of the bag contents to the outer ply or plies of the end closure, and the outer ply flap margins being free to contact with and being adhered to outer ply surfaces on other flaps along other lines to seal the outer ply against access to the inner ply.

2,460,887
EGG BREAKER
Joseph J. Kriz, Jr., Chicago, Ill., assignor of one-half to Paul H. Bombach, Chicago, Ill.
Application January 10, 1946, Serial No. 640,256
1 Claim. (Cl. 146—2)



A spatula, a tapered shank having a flat upper surface bent at an angle to the spatula and an egg shell cracking member extending along one edge of the shank, and extending at an acute angle to the surface of the shank and having a blunt unobstructed edge overlying and spaced from the shank a distance less than the diameter of an average egg.

2,460,888
OIL FILTER
Walter J. Koinzan, Elgin, Nebr.
Application December 1, 1944, Serial No. 566,178
1 Claim. (Cl. 210—122.5)



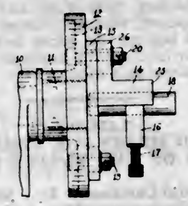
In an oil filter for internal combustion engines, a cylindrical open top casing adapted to be disposed upright and forming a filtering chamber, a filtering mass in the bottom of said chamber, a slot in the rim of said casing forming an overflow outlet for filtered oil, an axial oil inlet tube in said casing threaded through the bottom thereof for connection to an oil pump whereby oil may be forced into said casing to rise through said mass and overflow out of said slot, an annular trough surrounding the upper part of said casing for catching the overflow oil and having a bottom below the level of said slot and a side wall, an outlet nipple in the bottom of said trough for connection to a return line to the engine, a hollow heating dome rising from the bottom of said trough below said slot to heat the oil thereon issuing from the slot, for vaporizing water and gasoline contents of said oil, a nipple extending from said trough for receiving exhaust heat from the engine and opening into said dome to heat the same, a closure cap for said trough covering the top of said casing, and means to secure said cap to said side wall comprising a perforated tube extending through the top of said cap, a threaded sleeve coupling the perforated tube to the upper end of the oil inlet tube, a hollow wing nut threaded onto the upper end of the perforated tube and having a lateral tubular outlet tube therein, said perforated tube, wing nut and outlet tube forming an outlet passage for the vaporized water and gasoline.

2,460,889
EJECTOR TYPE WELDING ELECTRODE HOLDER
Earl I. Larsen, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 28, 1946, Serial No. 672,857
7 Claims. (Cl. 219—4)

1. An ejector type welding electrode holder comprising a hollow body, a socket therein for receiving a welding electrode, an ejector member adapted to move into engagement with said electrode to eject it from the socket, a piston disposed in said body and adapted to engage said ejector member, a cooling fluid inlet and a cooling fluid outlet, means for delivering cooling fluid from the inlet to the welding electrode and then returning the cooling fluid to said outlet, and means for applying fluid pressure to said piston to force it into engagement with said member to thereby eject said welding electrode, said piston and said member being constructed and arranged to close said cooling fluid inlet and said cooling fluid outlet when moved to said electrode ejecting position.

2,460,890
WORK-HOLDING MEANS
Carl O. Lassy, Plainville, Conn.
Application August 28, 1946, Serial No. 693,466
7 Claims. (Cl. 279—6)

1. The combination of a rotary face plate having a plurality of radial slots with pairs of slots diametrically aligned, and a work holder adjustably secured by fastening bolts adjacent its opposite ends in diametrically arranged slots at opposite sides of the face plate center, said work holder comprising a back plate lying against the face plate and through which said bolts pass, and a separate angle member set against the back plate and having in one of its legs a slot through which one of said bolts passes, the other

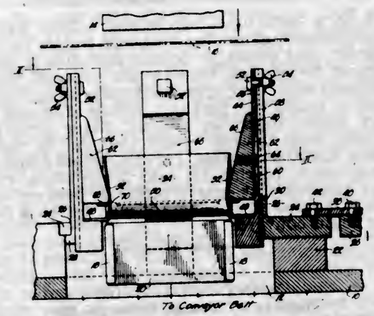


leg of the angle member being at right angles to the face plate and having on the outermost face of such other leg a longitudinal V-shaped recess, and means for clamping a workpiece in said recess.

2,460,891
SEPARATION OF PROTEINS FROM MILK PRODUCTS
Abraham Leviton, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application October 8, 1946, Serial No. 701,856
1 Claim. (Cl. 127—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process comprising mixing dried skim milk powder with a methanol-water solution having a methanol concentration of about from 40 to 62 percent by weight at a temperature about —16° C. to precipitate the proteins and dissolve the lactose in the methanol-water solution, immediately separating the protein precipitate from the solution, and separating the lactose from the remaining solution.

2,460,892
BOX SHAPING MACHINE
Wade H. Lisle, Kansas City, Mo., assignor to Crook Paper Box Company, North Kansas City, Mo., a corporation of Missouri
Application October 14, 1946, Serial No. 703,228
2 Claims. (Cl. 93—53)



1. In a paper box machine having a crimping assembly provided with means movable toward

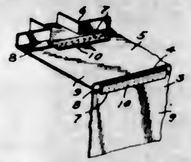
and away from a box to be crimped into and out of underlying relationship with a portion of said box, the improvement of which comprises a unitary triangularly-shaped guide block movable with said means into and out of engagement with the box, said block having releasable structure disposed remotely from the path of travel of said box as the latter is moved toward said means for holding the block at selected positions spaced above said means.

2,460,893

METHOD AND MEANS FOR ARRESTING THE CRACKING OF THE PLATES OF WELDED SHIPS

Edward M. MacCutcheon, Jr., Arlington, Va., Dwight F. Windenburg, Chevy Chase, Md., and Sidney K. Smith, Seattle, Wash.

Application May 3, 1945, Serial No. 591,658
9 Claims. (Cl. 114—79)



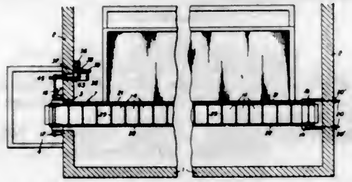
1. The herein described method of arresting cracks in the plates of welded ships which includes the forming of slots longitudinally of the deck and top sides of a ship and in providing a metal strap to cover each longitudinal slot and in riveting the strap to the plates on both sides of the slot.

2,460,894

AUTOMATIC MANURE CONVEYER

Nicholas Martinovich, Berlin Center, Ohio

Application July 8, 1947, Serial No. 759,495
7 Claims. (Cl. 214—89)



1. In a barn or stable having a floor with a longitudinally extending gutter or trough formed therein, said gutter or trough including a lower portion formed by transversely opposed longitudinally extending upper and lower steps, transversely extending partition blocks disposed on said upper steps, an endless chain conveyor formed with spaced chains having its upper reach operable on said partition blocks and its lower reach bearing on said lower steps, cross bars connected at spaced intervals between said spaced chains, and driving means for said endless chain conveyor.

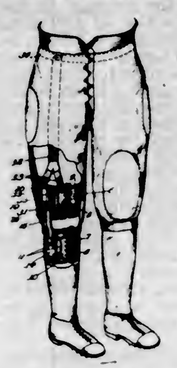
2,460,895

JOINT PROTECTOR

Thomas E. Meany, Chicago, Ill.

Application December 17, 1945, Serial No. 635,460
8 Claims. (Cl. 2—24)

1. In an athletic joint protector for a movable hinged joint, a pair of bands adapted to be tightly applied to the limb above and below the joint, a pair of braces, one for each side of the limb and having an offset therein to accommodate it to different sizes of the limb above and below the joint, means on one of the bands providing a fixed pivotal joint for each of the braces, and means



connecting the other end of each brace and the other band to provide a pivotal and sliding connection of the brace therewith, the braces being relatively movable to accommodate the limb hinging action and forming a guard against displacement of the joint transversely of the hinging action.

2,460,896

COMPOSITION FOR BLACKENING COPPER AND COPPER ALLOY SURFACES

Walter R. Meyer, Hamden, Conn., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn., a corporation of Connecticut

No Drawing. Application August 19, 1944, Serial No. 550,309
5 Claims. (Cl. 148—6.14)

2. As a composition of matter, a dry pulverulent mixture consisting essentially of sodium chlorite and sodium hydroxide, in proportions by weight within the range of about one part to two parts of the hydroxide per part of the chlorite.

2,460,897

RENDERING ALUMINUM AND ALUMINUM ALLOY SURFACES CORROSION RESISTANT

Walter R. Meyer, Hamden, Conn., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn., a corporation of Connecticut

No Drawing. Application September 14, 1944, Serial No. 554,147
10 Claims. (Cl. 148—6.20)

1. The method of treating a surface composed of aluminum or an aluminum alloy having a content of aluminum greater than about 60%, the surface having a thickness of at least 0.00005 inch when it represents a coating, which comprises contacting the surface with an aqueous solution consisting essentially of water and an alkali metal chlorite, an alkali metal chromate and an alkali metal carbonate containing from 1 to 20 grams per liter each of the chlorite and chromate and from 8 to 50 grams per liter of the carbonate, the temperature and duration of the treatment being such as to result in the formation of a corrosion resistant film on the surface.

2,460,898

PROCESS AND COMPOSITION FOR COLORING COPPER AND COPPER ALLOY SURFACES

Walter R. Meyer, Hamden, Conn., assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn., a corporation of Connecticut

No Drawing. Application November 4, 1944, Serial No. 562,053
7 Claims. (Cl. 148—6.14)

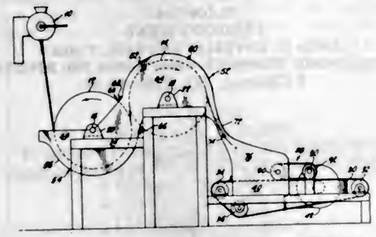
7. A solid composition in finely divided form for use in aqueous solution to color copper surfaces or surfaces of copper alloys containing not less than 60% copper, the composition consisting essentially of an alkali metal chlorite, an alkaline salt having an alkalinity equal to, or greater than, that of tetrasodium pyrophosphate but less than that of caustic soda or caustic potash, in proportions by weight within the range of 1 to 2.5 parts of the alkaline salt per part of the chlorite, and 0 to 50% based on the total weight of the chlorite and alkaline salt of a caustic alkali.

2,460,899

METHOD OF MAT FORMATION

Piero Modigliani, Manhasset, N. Y., and Harry E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application August 30, 1944, Serial No. 551,946
16 Claims. (Cl. 19—156)



16. In an apparatus for forming a fibrous material including means for supplying glass streams to be drawn out into filaments, the improvement comprising a surface adapted to be moved at a relatively high velocity and to be contacted by the filaments drawn from the glass streams, means for moving said surface, means for setting up a flow of air, means for directing said flow of air for a substantial distance along said surface and in contact with said filaments for said distance to longitudinally tension said filaments and thereby hold them in frictional contact with said surface during a substantial portion of travel thereof, and means for receiving said filaments from said surface.

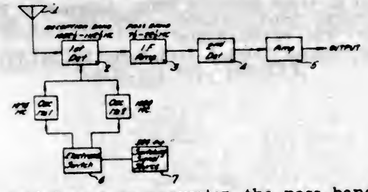
2,460,900

WIDE-BAND SUPERHETERODYNE RECEIVER

William H. Newbold, Langhorne, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania

Application December 31, 1943, Serial No. 516,479
4 Claims. (Cl. 250—20)

1. In a superheterodyne radio receiver, a frequency converter having a signal input circuit responsive to a reception band of predetermined width, local oscillator means for selectively generating local oscillations of N different frequencies, N being any small integer other than one, coupling means for applying said local oscillations to said frequency converter, an intermediate frequency amplifier connected to the output circuit



of said frequency converter, the pass band of said amplifier being only

$$\frac{1}{2N}$$

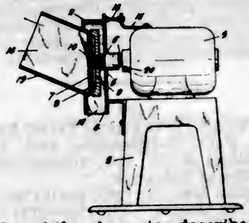
as wide as said reception band, and automatic means operatively associated with said local oscillator means for effecting, sequentially and at a rapid rate of repetition, cyclical selection of local oscillations at said N different frequencies, the frequencies of said local oscillations being so related to the frequency limits of said reception band that said reception band is effectively divided into N primary band segments and N image band segments, all of said band segments being converted by said frequency converter into one common intermediate frequency band, said intermediate frequency band being substantially identical to the said pass band of said intermediate frequency amplifier.

2,460,901

VEGETABLE AND FRUIT SHREDDING DEVICE

Joseph MacRae Newman, Toronto, Ontario, Canada

Application March 26, 1946, Serial No. 657,250
1 Claim. (Cl. 146—177)

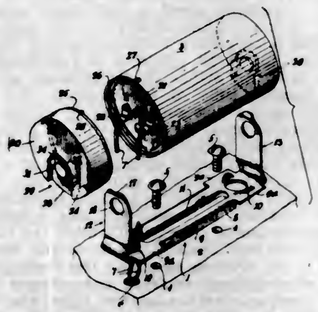


In a device of the character described, a vertical disc rotatable about a horizontal axis and against which vegetables or fruit are pressed to be shredded, shredding teeth carried by the disc, a housing in which the disc is contained and formed with an orifice in its bottom, an open ended feeding tube of substantially the same diameter as the disc protruding upwardly from the housing at an angle and having its inner face adjacent to and concentric with the toothed face of the disc and through which vegetables are fed to bear against the teeth, a dividing web in the tube to retain the material passing therethrough against rotation, a feeding plunger adapted to be manually moved inwardly through the feeding tube to press food against the shredding disc and having a slot therein in which the feeding tube web is received and whereby the plunger is retained against rotation in the tube, the inner face of the plunger being in a vertical plane when in the tube so that such face is parallel to the face of the vertical disc irrespective of the position of the plunger in the feeding tube.

2,460,902
PROPELLER
Ralph K. Odor, Edmond, Okla., assignor to The Vornado Trust, Oklahoma City, Okla., a fiduciary trust of Oklahoma
Application March 9, 1945, Serial No. 581,740
8 Claims. (Cl. 170—159)

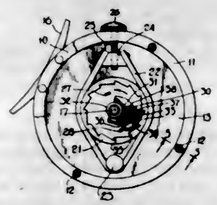
1. In a propeller, a blade having a thrust face which substantially defines an area of the curved surface of a right cone, the main body of the blade including the portions more remote from the propeller axis having an outline appearing as a circle inscribed on said surface from a center in the latter, and the root portion of the blade appearing on said surface as a projection from an arc of the circumference of said circle and having edges merging smoothly into said circumference and converging toward a point on the said conical surface located closer than said center to the apex of the said cone, said blade being disposed with respect to the propeller axis so that a plane normal to said axis will intersect both the said point of convergence and the said center; the line on the surface of the cone which corresponds to the intersection of said plane with the said face of the blade, and the line on the surface of the cone which corresponds to the intersection with said conical surface of a plane containing both the axis of the cone and the said center, diverging from said center at an angle in excess of zero and not exceeding forty-five degrees, whereby the blade will have curvature in directions both radially of the blade and transversely between the leading and trailing edges of the latter.

2,460,903
MOTOR STARTING CAPACITOR ASSEMBLY
Gordon V. Peck, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application May 21, 1945, Serial No. 594,835
10 Claims. (Cl. 175—315)



1. An electrolytic condenser assembly comprising a moulded plastic cylindrical housing with an open end; condenser electrodes and electrolyte in said housing; a sealing disc in said open end of said housing having terminals for said electrodes mounted thereon; a cap on said housing covering said open end and said electrode terminals, said cap having a side wall opening; assembly formations on the base of said housing and on the end face of said cap, said formations each comprising a stepped arch-like recess with the shallower step at the top of the arch and an upstanding pin located at the line of division of said steps, the base of said cap arch being peripherally aligned with said cap side wall opening; interfitting tongue and recess formations on said cap and housing aligning said cap and base assembly formations; and a mounting bracket with an elongated body of inverted U channel formation extending substantially the length of said housing and cap, a central elongated opening in the base of said U channel through which said bracket may be secured to a support, and a wire lead opening adjacent each end of said central opening, with one of said lead openings aligned with said cap side wall opening; said bracket further having upstanding and resilient end arms located in and substantially fitting said cap and base assembly formations, with central openings containing said cap and base upstanding pins, and turned back top portions; whereby said cap and housing are together resiliently held by said bracket arms.

2,460,904
FISHING REEL
John R. Reyburn, Fairfield, Conn.
Application March 23, 1945, Serial No. 584,277
5 Claims. (Cl. 242—84.5)



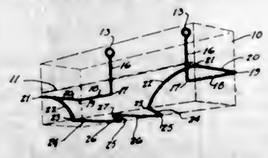
1. A brake mechanism for a fishing reel having a spool mounted on a shaft for rotation including, a drum mounted for rotation on the spool shaft and having ratchet teeth on its interior and a braking surface on its exterior, a pawl having a forked portion straddling said shaft, said pawl being engageable with the ratchet teeth, and means transmitting rotational movement of the spool to the pawl.

2,460,905
GARMENT HANGER
Fred Bernard Saunders, Tarpon Springs, Fla.
Application November 28, 1945, Serial No. 631,248
1 Claim. (Cl. 223—95)

A garment hanger including a hook support, opposed resilient arms diverging therefrom, said arms being extended from the hook support downwardly and outwardly to points adjacent their free ends, and being bent downwardly from said points to their ends so as to provide end portions in substantially vertical and parallel planes, whereby to permit movement of the free ends of the end portions in arcuate paths deviating only slightly from the horizontal, one of said end portions being formed as a fork, garment-engaging fingers on the ends of the fork, extended in direction away from the hook support, and substantially at a right angle to the fork, said fingers being insertable in separate loops at the front of a garment to be supported respectively positioned

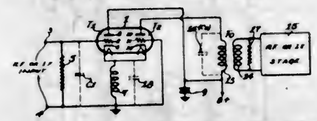
above the front creases of said garment, the other end portion being bent at its end into a garment-engaging eye, said eye being extended in a direction away from the hook support and substantially at a right angle to said latter end portion, and being engageable beneath the binding at the back of the garment to be supported.

2,460,906
PACKAGE HOLDER
Fredrick W. Schmiedeberg, Portland, Oreg.
Application August 30, 1946, Serial No. 694,046
2 Claims. (Cl. 248—311)



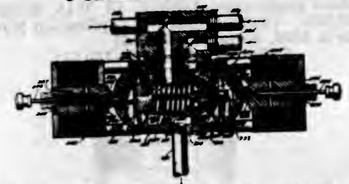
1. A holder for a tissue box and the like having a horizontal tissue withdrawal opening extending across a vertical side thereof, comprising a single strip of resilient material formed to snugly engage five sides of said box, said strip having a mid portion extending transversely and longitudinally in a horizontal plane to form a bottom support embracing a substantial area of the bottom of said box, portions of said strip extending upwardly and laterally from said bottom support to embrace and confine the front of said box adjacent the ends of said opening, portions of said strip extending across the ends of said box at approximately mid height and thence laterally toward each other across the back side of said box, said last named portions being formed to spring together by the resilience of said bottom support to grip the ends of said box, straight vertical ends on said last named portions extending upwardly across the back side of said box, and deformed eyes constituting hooks in the ends of said strip for suspending said holder, said single strip of material constituting the sole supporting and confining member in said holder.

2,460,907
CATHODE-COUPLED WIDE-BAND AMPLIFIER
Alfred C. Schroeder, Feasterville, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application December 28, 1944, Serial No. 570,176
6 Claims. (Cl. 179—171)



1. A wide-band high-frequency amplifier comprising a cathode-follower stage coupled to a cathode-input, grounded-grid stage, the coupling means between said stages being constituted by an inductance having an impedance at the frequencies to be amplified which is high compared to the internal input impedance of the grounded-grid stage.

2,460,908
VALVE MECHANISM
William M. Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a company of Pennsylvania
Application March 4, 1943, Serial No. 477,911, now Patent No. 2,426,243, dated August 26, 1947, which is a division of application Serial No. 373,051, January 3, 1941, now Patent No. 2,405,454, dated August 6, 1946. Divided and this application November 24, 1943, Serial No. 511,526
3 Claims. (Cl. 137—144)

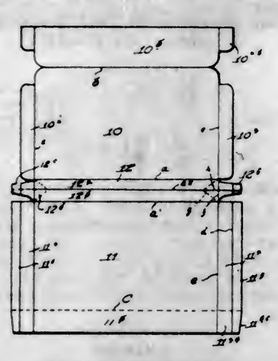


2. In a valve structure, a first line; a second line; a flexible diaphragm operated valve having a connecting position for connecting said first and second lines and a disconnecting position for disconnecting said first line from said second line, both faces of said diaphragm being under equal pressure in both its connecting and disconnecting positions; spring means normally urging and holding said diaphragm valve to its disconnecting position; means for venting one side of said diaphragm valve to cause a drop of pressure on said one side, said diaphragm valve being thereupon operable by the pressure on its other side for operation to the position for connecting said first and second lines; and means controlled by pressure in said second line for maintaining said diaphragm in valve connecting position against the action of said spring means; said means comprising a second flexible diaphragm controlled by pressure in said second line.

2,460,909
BELLOWS TYPE ENVELOPE HAVING ALL EDGES OF MOUTH REINFORCED
Morton J. Shaffer, New York, N. Y.
Application March 8, 1946, Serial No. 652,940
1 Claim. (Cl. 229—68)

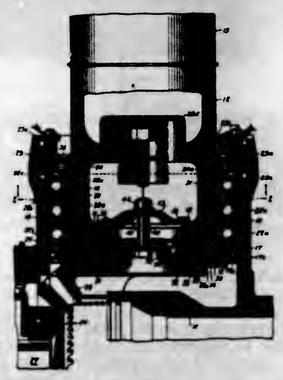
In an expansible envelope of the bellows type, a front wall, a rear wall of greater height than

the front wall, bellows means connecting the side and bottom edges of said walls, extensions on the top edges of said walls folded inwardly and secured adhesively to the respective walls, said extensions when so folded having their free



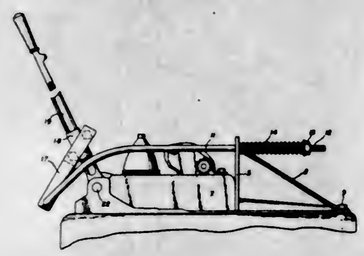
transverse edges in the same horizontal plane, and tabs integral with the ends of the rear wall extensions adhesively secured to the bellows means connecting the sides of the front and rear walls.

2,460,910
PROPELLER HUB AND ASSOCIATED BLADES
Jack H. Sheets and Maurice E. Cushman, Verona, N. J., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Original application January 19, 1944, Serial No. 519,064. Divided and this application November 6, 1944, Serial No. 562,167
5 Claims. (Cl. 170—160.58)



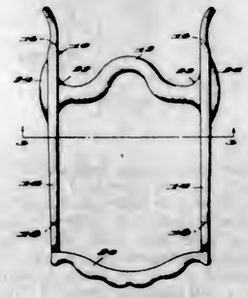
1. In combination, a propeller hub having a socket, a propeller blade having its shank journalled in said socket, said shank having a bore extending thereinto from its end, a balance plug secured in said bore, a driving member interiorly of said bore and secured in driving relation within and engaging said shank, said member having a passage through which access may be had to said balance plug, pitch-changing means engaging said driving member, and readily detachable means engaging said pitch changing means and driving member for holding said pitch-changing means in driving relation with respect to said member, said detachable means comprising a closure which, when in operative position, closes said passage and, when detached, opens said passage.

2,460,911
CLUTCH LEVER ATTACHMENT
Sherman E. Shullaw, Peoria, Ill.
Application June 13, 1947, Serial No. 754,413
5 Claims. (Cl. 74—97)



1. A clutch lever attachment comprising a pull rod connected at one end to a lever, means slidably supporting the other end of the rod, and spring means between the rod and the supporting means and exerting a pulling force on the rod, said rod being movable by the lever past the pivotal center of the lever against the tension of said spring means to hold the lever in one position.

2,460,912
BRIDLE BIT
Arthur E. Wagner and Ford E. Camp, Meadville, Pa., assignors to Plas-Tk-Bits, Inc., Meadville, Pa., a corporation of Delaware
Application September 5, 1946, Serial No. 694,878
4 Claims. (Cl. 54—6)

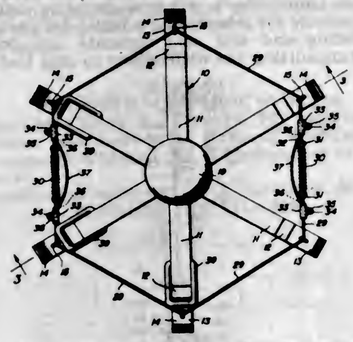


1. A unitary, rigid bridle bit of solid construction composed of molded polymeric plastic and including a mouthpiece and an elongated cheek piece extending from each end of the mouthpiece and formed to provide spaced bridle and rein openings.

2,460,913
SHIP FENDER
Zack B. Wasson, Dallas, Tex.
Application January 22, 1946, Serial No. 642,639
6 Claims. (Cl. 114—219)

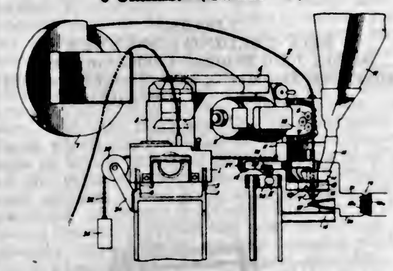
1. A ship's fender comprising a plurality of intersecting arcuate spring members, tensioning

means connecting the end portions of said mem-



bers, and means for intermediately connecting said members.

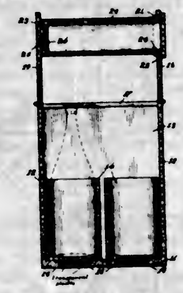
2,460,914
WELDING GUIDE
Ben W. Wright, Boonton, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application October 24, 1945, Serial No. 624,145
6 Claims. (Cl. 219—8)



1. Welding apparatus comprising a support for the work, a second support, means carried by said second support for feeding a welding rod toward the work, means for effecting relative movement between the supports to attach a layer of weld metal to the work, a cam secured to said work support, guiding mechanism carried by said second named support for cooperation with said cam, and means for adjusting the positional relation of said mechanism to said carriage to thereby vary the positional relation of said welding rod with respect to the work whereby successive side-by-side layers of weld metal may be deposited on the work.

2,460,915
COLLAPSIBLE HANDLE FOR CONTAINERS
John S. Allen, Montgomery, Ala.
Application August 22, 1946, Serial No. 692,294
2 Claims. (Cl. 220—94)

2. In a device of the class described, a body including a bottom, side walls and end walls, a pair of upwardly extending members hingedly attached to said side walls, one of said members having a circular aperture, the opposite member having a threaded boss on its inner face in axial alignment with said aperture, a handle grip comprising a beverage receptacle having a closed end and an open end, a closure for the open end, a flange on said closure, said receptacle being adapted to extend through said circular aperture with the flange on the closure engaging the outer face of the apertured member and a shallow



threaded recess in said closed end of said beverage receptacle to detachably receive said threaded boss.

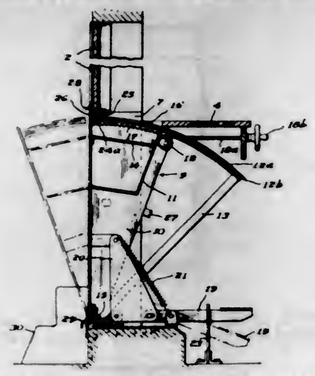
2,460,916
CLOTHESLINE PROP
William L. Baumeler, Eggertsville, N. Y.
Application January 26, 1946, Serial No. 643,674
3 Claims. (Cl. 248—353)

2. An attachment for clothes props, comprising a holder composed of two spaced bars secured together intermediate their upper and lower ends to provide lower prop-attaching portions and upper line-engaging portions, the latter being in parallel spaced relation and relatively yieldable and adapted to contract about the line in clamped-like fashion to prevent relative displacement of the prop on the line.

2,460,917
SAFETY BOOTH
John W. Beretta, San Antonio, Tex.
Application August 8, 1947, Serial No. 767,551
9 Claims. (Cl. 109—19)

1. In a booth for tellers or cashiers having a bullet-resistant wall, a bullet-resistant window framed in said wall and a wall opening through said wall adjacent said window, the combination of a movable bin adapted to be moved to outer and inner positions, a pivotal mounting for said bin within said wall opening, said bin comprising bullet-resistant front, side, and rearward protective plates extending rearwardly from said front

plate, and a bullet-resistant cover member slidably mounted on said bin and selectively movable



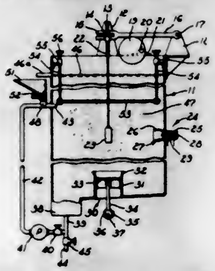
to cover and uncover said bin in either of its said outer and inner positions.

2,460,918

METHOD OF AND APPARATUS FOR CUTTING AND THE LIKE

Albert G. Bodine, Jr., Burbank, Calif.

Application December 12, 1942, Serial No. 468,802
24 Claims. (Cl. 51—7)



1. A method of surface finishing the surface of an article, which includes the steps of: immersing such surface in a fluid; selectively oscillating the fluid adjacent such surface by applying pressure pulses to the fluid remote from such surface to propagate in the fluid waves characterised by their travel through the fluid under conditions of resonance with the speed of sound; supporting by the fluid a plurality of solid surface finishing elements adjacent such surface; and so relating the amplitude and frequency of such pressure pulses, the distance between the locus of their application and such surface, the mass of such elements, and the drag of the fluid upon such elements as to oscillate such elements with surface finishing momentum in contact with such surface.

2,460,919

METHOD OF AND APPARATUS FOR CUTTING MATERIALS

Albert G. Bodine, Jr., Burbank, Calif.

Application December 12, 1942, Serial No. 468,803
18 Claims. (Cl. 51—59)

17. In an apparatus for removing material from a solid body: a tool comprising a rod-shaped element having a free end; means for setting the element into sustained longitudinal vibration causing said end to oscillate at high frequency and minute amplitude; a separate operative tool portion; means for interposing a liquid between said oscillating end and said separate tool portion for transmitting the oscillations to said tool por-

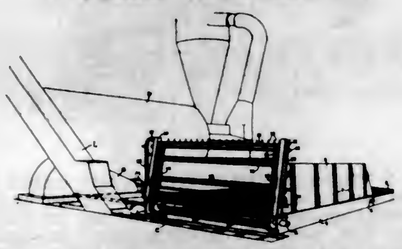
tion; a fluid body interposed between said tool portion and said solid body; and surface treating elements in and supported by said fluid body for oscillation in contact with said solid body under influence of oscillations received and transmitted by said tool portion.

2,460,920

SELF-FEEDING CONVEYER

Arthur John Brinker, Lexington, Nebr.

Application January 2, 1946, Serial No. 638,611
5 Claims. (Cl. 198—102)



1. In association with an alfalfa dehydrating plant having an elevator and a horizontally disposed endless conveyor adapted to introduce alfalfa deposited on said conveyor into the dehydrator plant, a feeding device comprising in combination a platform arranged at right angles to and with one end adjacent the dehydrator conveyor, side walls rigidly connected with said platform, spaced, parallel endless chains mounted to have their upper reaches pass above and adjacent the sides of the platform, spaced sweeper rods extending transversely of said chains and secured adjacent their ends thereto, upright standards at one end of the platform adjacent the conveyor, spaced parallel shafts having their ends journaled in said standards, sprockets mounted on said shafts, endless elevator chains, one adjacent each standard carried by said sprockets, spaced transverse rods rigidly associated with and connecting said elevator chains, each rod provided with a plurality of spaced outwardly directed fingers, means for driving the endless chains carrying the sweeper rods to advance their upper reaches toward the end standards, means for driving the chains carried by the end standards to advance the finger carrying rods downward on the side facing the platform, whereby material advanced

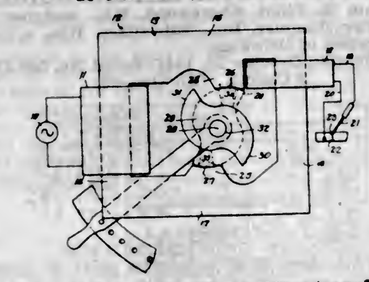
over the platform by the sweeper rods will be raked downwardly and out from the platform onto the dehydrator plant conveyor in a uniform thin layer.

2,460,921

MAGNETIC CONTROL SYSTEM

Albert M. Candy, La Grange, Ill., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware

Application August 17, 1946, Serial No. 691,357
15 Claims. (Cl. 171—119)



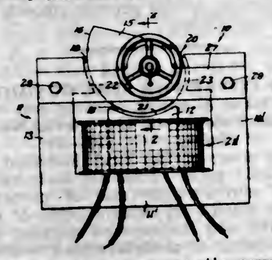
1. For combination with a welding transformer having a magnetic core and primary and secondary windings thereon with the primary winding connected to a source of alternating current and the primary winding connected to a welding circuit, means for varying the magnetic flux interlinking said windings comprising, a magnetic rotor for mounting in cooperative relation to said core, said core and rotor having juxtaposed surfaces which are involutes of a base cylinder the axis of which coincides with the axis of rotation of the rotor whereby, on rotation thereof from one position to another, said surfaces are at a constant distance from one another, the distance depending upon the position of the rotor, thereby providing an air gap between said surfaces of constant length at any operative position of the rotor and uniform distribution of the magnetic flux thereacross.

2,460,922

MAGNETIC CORE WITH VARIABLE AIR GAP

Albert M. Candy, La Grange, Ill., assignor, by mesne assignments, to National Cylinder Gas Company, Chicago, Ill., a corporation of Delaware

Application December 22, 1947, Serial No. 793,158
6 Claims. (Cl. 171—119)



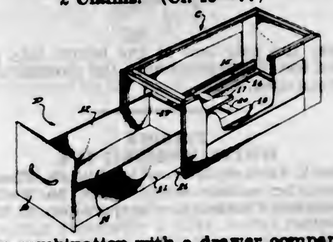
1. In combination, a magnetic core structure comprising a central leg and end legs on opposite sides thereof, and a relatively rotatable member for coacting with said legs to change the lengths of the air gaps therebetween, the surface of said member constituting one terminus of each air gap being an involute of a base cylinder whose longitudinal axis coincides with the axis of relative rotation of said legs and member and the surface of each leg constituting the other terminus of each air gap substantially coinciding with the juxtaposed surface of said member whereby on relative rotation of said legs and said member the length of each air gap is uniform and equal over the area of the juxtaposed surfaces at any relative position of said legs and member; and an electrically energizable winding on said core structure.

2,460,923

PROGRESSIVE DRAWER SUPPORT

Raymond Christopherson, Long Beach, Calif., assignor to National Cabinet Company, Long Beach, Calif., a limited partnership

Application August 21, 1944, Serial No. 550,431
2 Claims. (Cl. 45—77)



1. In combination with a drawer compartment having a bottom rail across the forward end thereof and a drawer in the drawer compartment, means providing upper and lower rails at the sides of the compartment, cross bars extending across the compartment one of which carries rollers adapted to roll on said rails, runners connecting the cross bars intermediate the ends thereof, said runners being pivotally connected to the cross bars, rollers on the lower rail at the front of the compartment adapted to rollingly support the runners, the drawer being longitudinally movable over the runners, rollers on the drawer for rollingly supporting the drawer on the runners, means limiting forward movement of the runners with relation to the bottom rail, and means limiting forward movement of the drawer with respect to the runners.

2,460,924

STOCK SUPPORTED PEASHOOTER

Roy Daily, Racine, Wis., assignor to Robert H. Wendt, Chicago, Ill.

Application February 1, 1946, Serial No. 644,898
2 Claims. (Cl. 124—12)

1. In a toy gun, the combination of an elongated stock provided with a shoulder-engaging portion and with an upper groove for receiving a barrel, with a barrel member of heat deformable plastic material in said groove, and comprising a member having a laterally turned end portion and provided with a bore extending through the full length of the barrel for passing a missile from the mouth of the user through the barrel when the stock is held to the shoulder and the end of the barrel is held to the mouth, the stock supporting a partially cylindrical upper member at the rear end of said groove forming a bore which is enlarged relative to the size of said groove, and said barrel being surrounded by an annular plug having a frictional fit in the bore formed by said upper member and said groove, the barrel being frictionally held by the plug and the barrel being rotatably adjustable relative to the stock to turn

concave arc of said curve, the mutual point of tool to cooperate alternately with the anvil at a

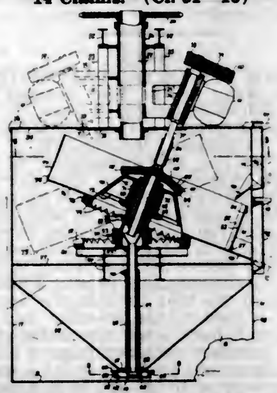
the bent end of the barrel to the left or right for left-handed or right-handed users, or to elevate

or lower the rear end of the barrel into proper position for engagement with the mouths of users of various sizes.

2,460,925
WHITE WRITING INK
William E. Decker, Melrose Highlands, Mass., assignor, by mesne assignments, to Technical Specialties Company, a corporation of Massachusetts
No Drawing. Application September 6, 1946, Serial No. 695,287
6 Claims. (Cl. 106—26)

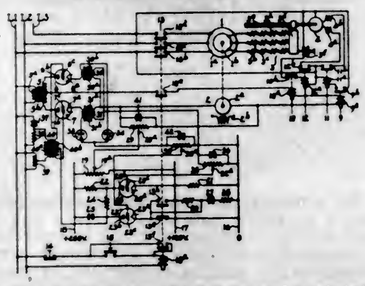
1. An ink adapted to become opaque and white when dry and suitable for application by pen or brush, consisting essentially of a solution in a volatile organic solvent of a cellulose ester and a soluble organic crystalline compound having a melting point above ordinary atmospheric temperatures and which is inert to the other ingredients.

2,460,926
SCOURING APPARATUS
Charles A. Dreisbach, Yonkers, N. Y.
Application July 2, 1946, Serial No. 680,917
14 Claims. (Cl. 51—13)



1. A scouring apparatus, including in combination: a gyratory container constructed and arranged to contain a plurality of articles to be scoured; gyrating-means constructed and arranged to progressively tilt the said gyratory container in diverse directions to cause the articles contained therein to change position with respect to each other; cleaning-media-projecting means for projecting cleaning-media against the contents of the said gyratory container as the said contents change position as a result of the gyration of the said container; and means for progressively tilting the said cleaning-media-projecting means as the said container progressively tilts in different directions.

2,460,927
SPEED CONTROL FOR ELECTRIC MOTORS
William H. Elliot, Shorewood, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 26, 1944, Serial No. 560,377
9 Claims. (Cl. 318—45)



1. In a system for obtaining and maintaining a preselected speed of a prime mover subjected to a varying load, in combination, a prime mover, means to supply power to said prime mover, means to regulate such power between given limits in a predetermined number of equal steps, an auxiliary dynamo electric machine coupled to said prime mover to coact with said prime mover and automatic control means for said dynamo electric machine, comprising, a source of energy supply for said dynamo electric machine to afford a flow of energy between said source and said dynamo electric machine in varying amounts according to departures of the speed of said prime mover from the preselected speed, and means responsive to flow of energy between said dynamo electric machine and said energy source but only when in excess of the power change afforded by one of said steps, to effect adjustment of said power regulating means, following gradual return of said motor toward the preselected speed by the coaction of said dynamo electric machine, whereby said power regulating means and said dynamo electric machine jointly provide smooth continuous speed regulation.

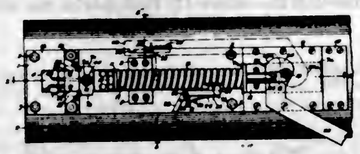
2,460,928
SLIP COVER FOR SEAT CUSHIONS
Isaac A. Evans, Muncie, Ind.
Application February 6, 1947, Serial No. 726,746
2 Claims. (Cl. 155—182)

1. A slip cover of the kind described, consisting of a body piece of textile material quadrilateral in conformation and of predetermined length, the main part thereof being of predetermined width and its opposed parallel side portions each being of predetermined width, one of said side portions being greater in width than the other, the frontal corner portion of said main part and the adjacent side edges of the wider of said side portions being of the conformation of a reversed curve having arcs with acute central angles, and of a tangent extending from the

concave arc of said curve, the mutual point of tangency of said arcs coinciding with the line of juncture of said main part and the wider side portion of said body piece, and wall pieces trapezoidal in shape each having one of its end edges

equal to the width of the narrower side portion of said body piece, and having a top edge equal in length to the sum of the lengths of the side edge of the main part of said body piece and the edge of the convex arc of said reversed curve, and the other of its end edges of the same conformation as the aforesaid concave arc and tangent, the said end edges and top edge of each of said end wall pieces being bound to a side edge of said body piece.

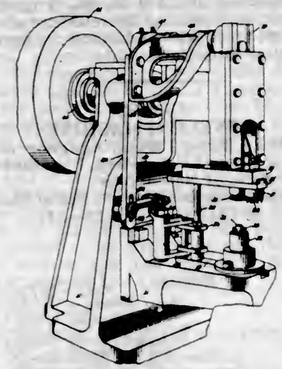
2,460,929
ROCKET HOLDING DEVICE
Milton R. Goff, Rochester, N. Y., assignor to the United States of America as represented by the Secretary of War
Application December 2, 1946, Serial No. 713,574
7 Claims. (Cl. 89—1.7)



6. A device for holding a rocket in a launching tube comprising holding means on said tube for yieldingly engaging a complementary means on said rocket to hold same in firing position when said rocket is inserted from either end of the tube, manually operated latch means for locking said holding means on said complementary means against accidental release, and means operable upon rocket discharge to unlock said latch means whereby an engaged rocket may release itself from its yielding engagement with said holding means.

2,460,930
FASTENER ATTACHING MACHINE
Sylvester L. Gookin, Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application May 3, 1946, Serial No. 666,991
10 Claims. (Cl. 218—14)

1. A fastener-attaching machine comprising a fastener-supporting anvil, a ram movable up and down, a tool-carrier mounted on the ram and shiftable relatively thereto, a work-engaging presser and a fastener-setting tool both carried by said tool-carrier, power-driven means arranged to reciprocate the ram up and down, and mechanism operable by said power-driven means for causing said presser and said fastener-setting tool to cooperate alternately with the anvil at a cyclic rate one-half that of the ram, said presser



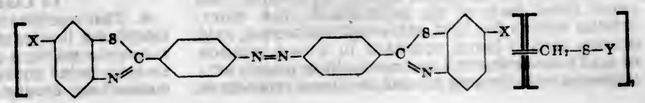
being adapted to impale a work-piece on a fastener seated on the anvil.

2,460,931
OCARINA
William W. Gretsch, Forest Hills, N. Y., assignor to The Fred. Gretsch Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application December 4, 1944, Serial No. 566,611
5 Claims. (Cl. 84—380)

1. In an ocarina, in combination, a pair of complementary interiorly concave elements forming a tonal chamber, a complementary interiorly concave extended mouthpiece portion carried by each of said elements, a duct formed in one of said mouthpiece portions having an entirely enclosed air passage passing therethrough and extending from its exterior end portion into the tonal chamber.

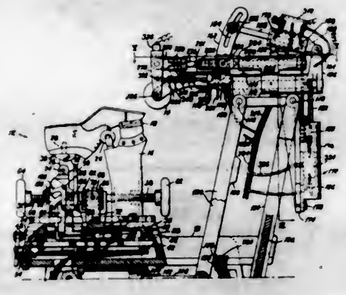
2,460,932
YELLOW AZO DYESTUFFS
Norman Hulton Haddock and Clifford Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 13, 1945, Serial No. 588,238. In Great Britain May 8, 1944
7 Claims. (Cl. 260—158)

1. The process of manufacturing a di-methosulfate of an azobenzene which comprises making a mixture of a di-alkyl sulfate having 1 to 4 carbons and a compound of the group consisting of the chloro derivative of di-(methylmercapto)-4,4'-di(6-methylthiazyl)-(2)-azobenzene which contains 1.3 atoms of chlorine per molecule and the compounds represented by the formula



in which X is one of the group consisting of hydrogen, methyl and methoxy, and Y is one of the group consisting of alkyl having 1 to 4 carbons and benzyl; and heating the mixture at reaction temperature until there is formed the corresponding methyl methosulfate.

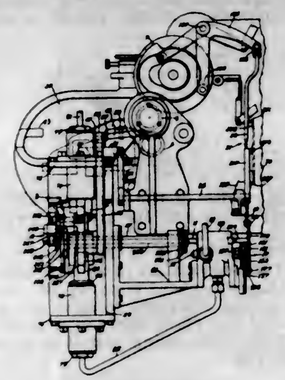
2,460,933
LEVELING MACHINE
Fred V. Hart, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application November 1, 1947, Serial No. 783,542
28 Claims. (Cl. 312—34)



8. In a leveling machine, a shoe support, a leveling roll mounted for movements lengthwise of a shoe on the support to cause the roll to operate progressively along the shoe bottom, a pair of operating handles near the opposite ends of the rolls, means mounting said handles for unitary movement by the operator in directions lengthwise of the shoe on the support and also for unitary rocking movements laterally of the shoe on the support, power-operated means for moving the roll lengthwise of the shoe on the support, power-operated means for tipping the roll laterally of the shoe on the support, and means for operating both of said power-operated means in response to movements of the handles by the operator whereby the roll is moved into positions corresponding to the positions of the handles relatively to the shoe on the support.

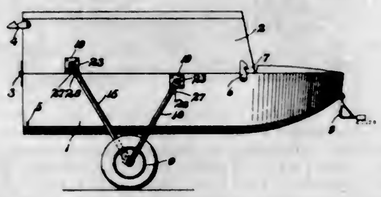
2,460,934
SPLITTING MACHINE
George Haselton, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 14, 1948, Serial No. 2,162
In Great Britain February 8, 1947
15 Claims. (Cl. 69—15)

1. In a machine of the class described, a splitting knife, means for feeding a work piece past said knife, a carrier for said knife mounted for movement lengthwise of the edge of said knife, fluid-operated means for moving said carrier alternately in opposite directions, said means comprising a reversing valve movable between two positions to control the direction of movement of said carrier, valve-setting means for moving said valve from each of its positions to the other, driving means for said valve-setting means, said driving means being operated in timed relation to said feeding means, and controlling means acting upon said driving means in timed relation to the movement of said knife to cause successive driving movements of said driving means to



operate said valve-setting means in opposite directions.

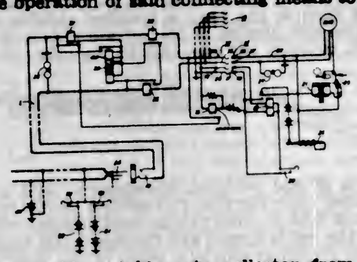
2,460,935
BOAT TRAILER COMBINATION
Emanuel Jack Henningsen, Grand Rapids, Mich.
Application December 17, 1945, Serial No. 635,467
7 Claims. (Cl. 9—2)



1. In a structure as described, a front boat section having a rear closed end, a rear boat section having a closed front end, means hingedly connecting said boat sections at the rear end of the front and the front end of the rear section, a post connected at the outside of each side of the front boat section, a wheel carried at the lower end of each post, and a second post connected at the outside of each side of the rear boat section each of said second posts extending to and having a pivotal connection with the unattached end of the other post on the common side of said sections, as and for the purposes described.

2,460,936
PORTABLE COIN COLLECTOR FOR TELEPHONE SYSTEMS
Walter P. Jackman, Boonton, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 14, 1946, Serial No. 676,610
14 Claims. (Cl. 179—6.3)

9. The combination in a telephone system of a telephone line extending from a central office to a remote point, a portable coin collector at said remote point including a coin disposal magnet, connecting means for connecting said portable coin collector to said line, and means responsive to the operation of said connecting means to dis-

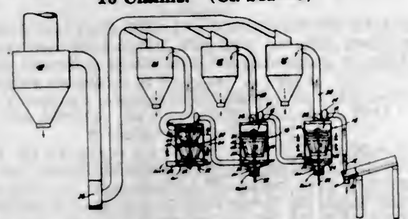


connect said portable coin collector from said line for operating said coin disposal magnet.

2,460,937
PIPE SMOKER'S DIBBLER
Ralph G. Kaufman, New York, N. Y.
Application February 4, 1946, Serial No. 645,272
1 Claim. (Cl. 131—243)

A smoker's tool comprising a handle having a relatively sharply pointed spoon-shaped member at one end and having at the other end a tamping plate, said spoon-shaped member terminating in a relatively blunt point for removing dross from the recess of a smoker's pipe, an arcuate scraping flange of diameter not exceeding the internal diameter of the bowl of said smoker's pipe, disposed around substantially the semi-circumference of the edge of said plate, said flange being of relatively stiff material and disposed substantially at right angles to said tamping plate, and a plurality of conical projections mounted on the tamping surface of said tamping plate.

2,460,938
METHOD AND APPARATUS FOR CLEANING ASBESTOS
Frank J. Keehne, Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application August 5, 1944, Serial No. 548,295
16 Claims. (Cl. 241—4)

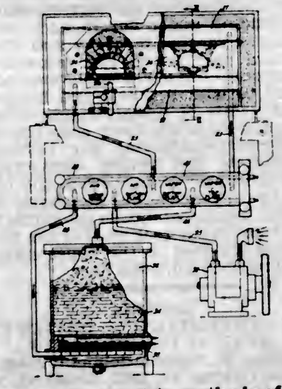


1. The method of treating asbestos fibers to separate coarse and fine impurities adhering thereto comprising, introducing the fibers to be cleaned into an upwardly spiralling vortex of a gaseous fluid, maintaining a high volume ratio of gas to fiber to provide a thin suspension of fibers, maintaining a high ratio of rotational movement in relation to gravitational movement of fibers whereby to develop a path of fiber travel of such length that the fibers are combed into longitudinal alignment with the rotational direction of their movement, periodically deflecting the rotational gas flow inwardly at spaced points adjacent the periphery of the vortex, thereby developing components of gas movement which are transverse to the direction of fiber rotation and causing flexing and bending of the fibers whereby to loosen and scour impurities from the fiber surfaces, and finally separating the clean fibers from heavy granular impurities and from light dust impurities by removing the fibers peripherally from the vortex while entraining the dust in the upwardly moving gas and removing heavy impurities by gravitational settling.

2,460,939
METHOD OF MAKING YOKES FOR GARMENT HANGERS
Walter Ludwig, Detroit, Mich., assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich.
Application August 24, 1946, Serial No. 692,766
9 Claims. (Cl. 93—1)

1. The method of conforming the garment supporting arms of a yoke member of tubular cross section and of fibrous material, comprising the steps of cutting a pair of parallel slits through and longitudinally of the bottom wall of each yoke arm and upwardly collapsing the bottom wall on the outer sides of the pair of slits to form an opening through the yoke arm for receiving means for dependingly supporting a garment from beneath the yoke member.

2,460,940
METHOD OF AND APPARATUS FOR TREATING SHOES WITH STEAM AND HOT AIR
Mieth Maeser, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application January 14, 1948, Serial No. 2,268
8 Claims. (Cl. 12—1)



1. That improvement in methods of treating a partially fabricated shoe having a thermoplastic

toe-stiffener, which consists in flowing steam on the outer surface of the vamp until the toe-stiffener covered thereby is rendered limp, and simultaneously flowing hot air on the bottom of the insole in sufficient volume and with sufficient velocity to prevent the steam from wetting the insole.

2,460,941
REACTION OF STILBOESTROL WITH CAMPHOR
Robert Henry Marriott, London, and William Whalley Myddleton, New Malden, England
No Drawing. Application August 31, 1945, Serial No. 613,960. In Great Britain August 11, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires August 11, 1964
5 Claims. (Cl. 260—588)

2. Process of combining stilboestrol and camphor by dissolving them in an organic solvent.

2,460,942
COLLAPSIBLE HEADREST
Angela Marshall, Adel, Iowa
Application February 21, 1947, Serial No. 730,020
2 Claims. (Cl. 155—174)

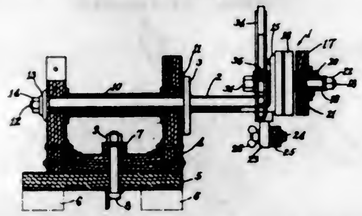
1. A headrest for the back of a seat having a cushion and including a pair of brackets spaced apart and adapted to be simultaneously mounted on the seat back, a pair of upwardly-extending apertured lugs secured upon each bracket, a pair of collapsible frames having the cushion secured to the upper portions thereof and each frame consisting of a plurality of bars connected together in lazy tongs fashion, the lowermost bars of each collapsible frame having holes in the lower ends thereof, bolts serving to extend through the apertured lugs on the brackets and the holes in the bars to secure the collapsible frames to the brackets, a rearwardly-extending horizontal top bar pivotally connected at the forward end thereof to the front end of the forwardly-extending upper bar on each collapsible frame, the upper end of the corresponding rearwardly-extending upper bar in each collapsible frame being connected pivotally and slidably to the rearward portions of the respectively adjacent horizontal top bar, a transverse horizontal bar secured to both brackets and holding them apart, and a pair of upwardly-projecting bracing bars mounted at the lower ends thereof upon the transversely-horizontal bar independently of said brackets and having transversely-open eyes upon the upper ends thereof, the rear ends of the rearwardly-extending horizontal top bars having holes therein, and bolts extending through the latter holes in the rear ends of the horizontal top bars and the eyes on the upper ends of said upwardly-projecting bracing bars.

2,460,943
NECK STRAIGHTENING DEVICE FOR MUSICAL INSTRUMENTS
William W. Nelson, Belmont, Mass.
Application October 30, 1947, Serial No. 783,204
3 Claims. (Cl. 84—293)

1. A device of the type specified comprising rods normally arranged to lie nested parallelly disposed in superposed relation, means for connecting the inner ends of the rods, a member slidable upon the free end portion of one of said rods and with which member the free end of the other of said

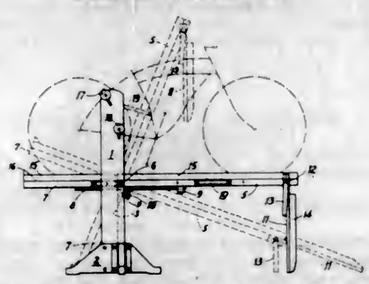
rods is in end abutting engagement, and a nut threaded upon the free end portion of said one of the rods with bearing against said member whereby as the nut is turned and tightened said member will be displaced and said other of the rods bent.

2,460,944
BICYCLE HOLDING FIXTURE
George Edward Nighthart, Lewistown, Pa.
Application June 28, 1946, Serial No. 680,277
1 Claim. (Cl. 81—32)



A bicycle holding fixture comprising a clamping vise adapted to clamp frame members of a bicycle and hold the same for repair work and provided with a single clamping bolt and nut, a horizontal vise supporting shaft provided with a pressure disc and a single locking stud and nut, a fixture stand for said supporting shaft and provided with a friction disc in cooperative relation to said pressure disc and located between said pressure disc and said locking stud and nut, and a fixture base provided with a single vertical bolt and nut, said fixture stand being rotatable on said fixture base about said vertical bolt, said supporting shaft being rotatable in said fixture stand, and said vise being operated by said clamping bolt and nut.

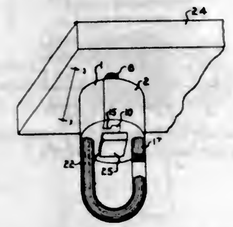
2,460,945
BICYCLE SERVICING FIXTURE
George E. Nighthart, Lewistown, Pa.
Application March 7, 1947, Serial No. 733,059
4 Claims. (Cl. 211—17)



1. As a bicycle servicing fixture the combination comprising an upright member, means on

said upright member for securing and supporting one end of a bicycle frame in elevated position, and an articulated bicycle runway comprising sections, one end of an intermediate section of said runway being pivotally supported by said upright member below said securing and supporting means, one end of a ramp section of said runway being pivotally connected to the outboard end of said intermediate section, and one end of a drop-leaf section of said runway being pivotally connected to the end of said intermediate section supported by said upright member, said intermediate section being adapted to be pivotally inclined for loading or unloading a bicycle and raised to horizontal position to support at least one end of the bicycle, said ramp section being adapted to be pivotally extended as an entering runway section and lowered as a supporting leg for the outboard end of said intermediate section, and said drop-leaf section being adapted to be pivotally extended as a rear runway section and lowered to an out-of-the-way position, and means to hold said drop-leaf section in the same plane as said intermediate section.

2,460,946
HANGER
John W. Reynolds, Albion, Mich.
Application July 17, 1946, Serial No. 684,296
10 Claims. (Cl. 248—62)

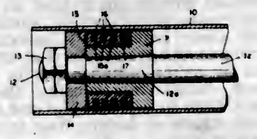


3. A hanger which comprises a body portion which is longitudinally divided its full length into male and female members, elongated shank hook means depending from said male and female members and cooperating with each other to form an elongated closed eye when the hanger is assembled, and means for fastening said male and female members together, said fastening means being engageable by moving said body members together while offset endwise a short distance relative to each other and then moving one of said members endwise to assembled position.

2,460,947
PROCESS FOR THE PRODUCTION OF YEAST
Sven Olof Rosenqvist, Rotebro, Sweden, assignor to Svenska Jästfabriks Aktiebolaget, a joint-stock company of Sweden
No Drawing. Application January 23, 1946, Serial No. 642,985. In Sweden November 25, 1943
6 Claims. (Cl. 195—91)

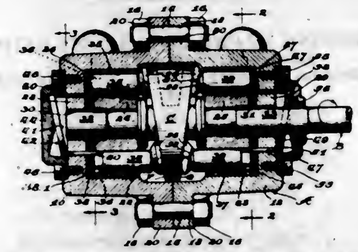
1. In a process for the production of yeast, useful as foodstuffs and for other nutritive purposes, the step of propagating the yeast in a nutrient medium containing a mixture of molasses wort and still residues from fermented sulphite waste liquor obtained as residue after alcoholic fermentation of sulphite waste liquor and subsequent distillation of the alcohol wherein the pentoses contained in said still residues will be fermented during said propagation of said mixture.

2,460,948
PUMP PISTON
Hans C. Sander, Denver, Colo., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application July 17, 1945, Serial No. 605,505
2 Claims. (Cl. 309—4)



2. A piston construction comprising a cylindrical body having an external radial shoulder at one end, a piston rod rigidly secured to said body in axial alignment therewith, an end plate having an outside diameter substantially the same as the outside diameter of said shoulder, means for removably securing said end plate to the end of said body remote from said shoulder and in axial alignment with said body, a multiple piston ring unit-assembly including an axially removable annular cage on said body between said shoulder and end plate, axially spaced circumferential grooves in said annular cage, and piston rings in said grooves, said annular cage having an axial extent such that it has a sliding fit in a radial direction between the opposed faces of said shoulder and end plate and having an inside diameter sufficiently greater than the outside diameter of said body to permit it to become substantially eccentric with respect to said piston rod as the latter may become eccentric with respect to the cylinder with which said piston operates.

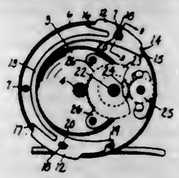
2,460,949
PRESSURE PUMP
Joseph M. Schmied, Chicago, Ill.
Application November 23, 1945, Serial No. 630,272
5 Claims. (Cl. 103—173)



1. In a multicylinder pump, the combination of a casing having a cylindrical bore, a cylinder body and barrel plate fitting in the cylindrical bore, cylinders in said cylinder body which are axially extending cylinder bores located at radii of equal lengths from the cylinder body axis, reciprocable pistons in the cylinders, a transfer conduit in the cylinder body connecting said cylinders, a partition between two adjacent cylinders, an inlet in communication with one of the two adjacent cylinders and an outlet in communication with the other of the two adjacent cylinders, said inlet and outlet also passing through the casing wall, thereby providing inlet and outlet ports clearance grooves in said barrel plate in axial alignment with said cylinders, a confined wobble plate housed within said casing, a push pin for each piston mounted for reciprocable movement in aligned bores in the barrel

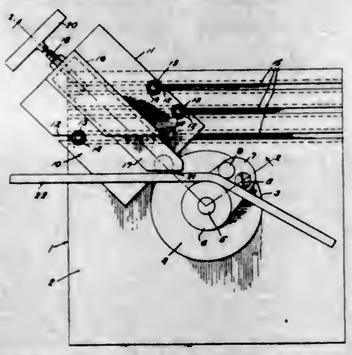
plate and casing end wall, and acted upon by said wobble plate to move said pistons in one direction, a cam shaft rotatably mounted in the end wall of said casing, and a driving inclined wobble plate fixed for rotation on said shaft and having its inclined face adjacent the ends of said pistons in parallel relationship with the plane of the confined wobble plate face so as to impart a progressive reciprocating motion to said pistons and their respectively associated push pins in a direction opposite to that imparted to the pistons by said confined wobble plate, the pistons each successively closing the transfer conduit for a time interval at the end of the piston pressure stroke to insure flow from the inlet to the outlet port.

2,460,950
FISHING REEL
William Shakespeare, Jr., Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich., a corporation of Michigan
Application December 26, 1945, Serial No. 637,196
9 Claims. (Cl. 242—84.1)



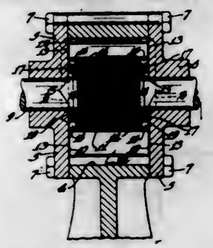
9. In a fishing reel, the combination of a frame, an end member, supporting posts for said end member supported by said frame, catches having finger pieces projecting from the periphery of said end member, and spring means acting to urge said catches outwardly, said posts being provided with keepers with which said catches coact to detachably secure said end member.

2,460,951
BENDING MACHINE ABUTMENT GUIDE
Horace M. Shuff, Tampa, Fla.
Application February 25, 1944, Serial No. 523,860
1 Claim. (Cl. 153—40)



A rod bending machine including a work table, a turntable within the work table, a bending die and a bending pin carried by and rotatable with said turntable, an abutment for abutting a side portion of a rod to be bent, a base plate having guiding means supported thereon for slidably mounting said abutment, opposite edge portions of said base plate having slots extending inwardly from the edges, said work table having on its surface a plurality of slots in spaced parallel relationship and parallel to the direction of initial movement of the rod to be bent, a plurality of bolts whose heads are slidable in said last mentioned slots, said bolts having means for fastening said base plate in any selected position along the direction of said last mentioned slots, manually operated screw-threaded means for adjustably sliding said abutment along said guiding means toward or away from said bending die but confined along a radial line at an angle of the order of forty-five degrees with respect to a radius extending to the initial point of bending of the rod on said bending die so that the distance between such initial point of bending and the rod contacting point of said abutment will bear a substantially constant ratio to the diameter of rod for varying rod diameters.

2,460,952
ROTARY PUMP WITH ELASTIC ROTOR SEALING RIB
Jerome Simer and Ernest E. Cook, Minneapolis, Minn., assignors to Paddle Pumps, Inc., Minneapolis, Minn., a corporation of Minnesota
Application July 28, 1945, Serial No. 607,618
2 Claims. (Cl. 103—117)

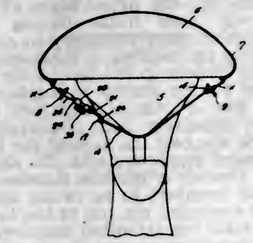


1. In a fluid pump including a housing member having a cylindrical wall, spaced parallel side walls having smooth inner surfaces, spaced inlet and outlet ports, a shaft extending through at least one of said side walls and journalled for rotation therein, a rotor member mounted on said shaft for rotation within said housing member, said rotor member having side surfaces adjacent said surfaces of the side walls; the improvement which comprises pressure sealing means between the housing member and rotor member and which includes a resilient endless rib projecting laterally from one of said members in surrounding relation to said shaft, said rib having a concave face in yieldable bearing engagement with an adjacent surface of the other of said members with the rib under compression, and said rib having an undercut side wall defining between same and said concave face a feathered edge in sealing engagement with said surface of the other of said members.

2,460,953
COVER HOLDER FOR PRESSING MACHINES
Manford Spicer, Jr., Kansas City, Mo., assignor of twenty-five per cent to George Johnson, Kansas City, Kans.
Application November 6, 1944, Serial No. 562,146
2 Claims. (Cl. 38—66)

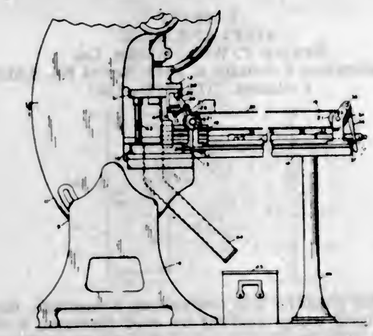
1. In a pressing machine cover-holding device, the combination, which comprises a pad, a cover

adapted for positioning over said pad, longitudinally disposed rigid strips associated with the opposite sides of said pad and cover, hooks pivotally attached to said rigid strips for removably holding the edges of said cover, flexible elements pivotally atached to the strips at one side of the pad extending under the pad, threaded sockets



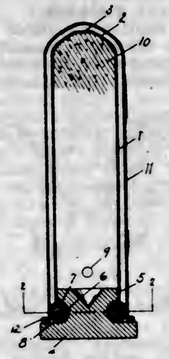
aligned with said flexible elements rotatably mounted in the strips on the other side of the pad, threaded studs extending from said sockets, links providing connecting means between said flexible elements and studs, means pivotally connecting the links at one end to said studs, and means pivotally connecting the other ends of said links to said flexible elements.

2,460,954
CUTTING MACHINE
Joseph Stuart, II, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application September 5, 1945, Serial No. 614,547
7 Claims. (Cl. 164—48)



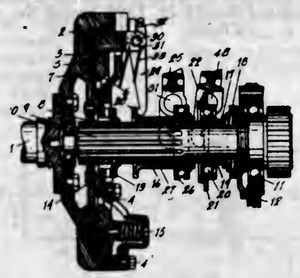
7. In a cutting machine having a work support with a plurality of guide strips adapted to guide a plurality of cruciform plastic sticks the combination of a power press with a single blade cutter rigidly attached to the ram, a die adapted to guide and hold a plurality of plastic sticks while being cut, said die being adjacent to the path of travel of the cutter, at least one push bar supported between parallel strands of endless chain advanced incrementally behind the cruciform plastic sticks to push said sticks forward in synchronism with the actuation of the cutter, means for stopping the actuation of the cutter and in turn the push bar as the ends of the cruciform plastic sticks are approached, and manual means for starting the actuation of the cutter and push bar.

2,460,955
INHALER
Paul H. Todd, Kalamazoo, Mich.
Application May 17, 1946, Serial No. 670,623
1 Claim. (Cl. 128—200)



An inhaler comprising a base member having a cylindrical portion thereon and defining an annular groove therearound, a generally cylindrical container having one end pressed into said annular groove, an annular ring of elastic material positioned in said groove and a generally cylindrical cover member arranged to fit over said ring and be held in place thereby.

2,460,956
COMBINED FRICTION AND JAW CLUTCH
Herbert H. Trail, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich.
Application July 10, 1944, Serial No. 544,276
17 Claims. (Cl. 192—53)



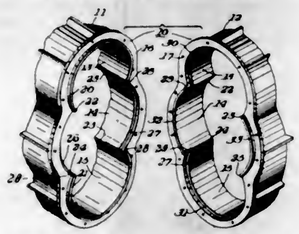
14. In a structure of the class described, the combination with a driven shaft, of a friction clutch comprising driving and driven members, the driven member having driving connection to said shaft, a jaw clutch comprising a driving jaw clutch member and a coacting driven jaw clutch member having driving connections with said driven shaft, a friction clutch releasing lever operatively associated with said friction clutch, a jaw clutch releasing lever operatively associated with said jaw clutch common means for operating both said clutch releasing levers to release the friction and jaw clutch members, said common means including a lost motion connection to permit either the friction clutch members or the jaw clutch members to be actuated first whichever offers the lesser resistance, and auto-

mounted in the frame, an angle arm rotatably

2,460,962
PLASTIC INSULATION AND METHOD OF

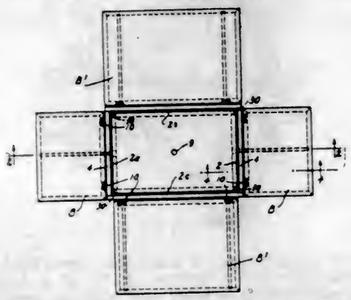
matic means for effecting re-engagement of the jaw clutch after re-engagement of the friction clutch when said actuating means is returned to its initial position.

2,460,957
HOUSING JOINT
Joseph E. Whitfield, Hamilton, Ohio
Application December 20, 1944, Serial No. 569,082
3 Claims. (Cl. 285—130)



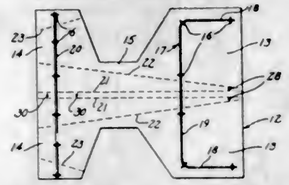
1. A partible housing comprising a plurality of sections, each section having a plurality of cavities complementary to the cavities of another section, the open ends of the cavities in a section are provided with transversely disposed flat surfaces arranged to mate in engagement with a complementary transverse surface of an adjacent section, and an axially disposed complementary flange bordering a cavity on one section and a groove bordering a complementary cavity on another section adjacent the flat surfaces, adjacent cavities of a section being alternately provided with flanges and grooves.

2,460,958
CAMPER'S BOX HAVING REMOVABLE TABLE-CLOSURE AND PIVOTED TABLE-TOP-EXTENSION LEAVES
Walter R. Williams, Jonesboro, Ark.
Application January 10, 1947, Serial No. 721,405
1 Claim. (Cl. 190—12)



In a combination box and table adapted to be supported in spaced relation to the ground, a rectangular bottom box member of relatively heavy construction, four box side members of relatively light construction extending respectively upwardly from the edges of said bottom member, four external brace members bordering the joint between said side and bottom members for securing said members together, four external brace members bordering the upper edges of said side members to secure said members in rectangular relation, a vertical brace member positioned in each of the interior corners formed by said side members and terminating in spaced relation to the upper edges of said side members, a flat table top member of relatively light construction having a finger receiving aperture therein, an inner frame supported on said interior corner braces and serving to reinforce said side members, said inner frame being of relatively heavy construction and of slightly less depth than the distance between the upper ends of said interior corner braces and the upper edges of said side members, said inner frame having a rabbet around its upper inner periphery to receive and to support said top member in substantially flush relation with respect to the top of the box, said inner frame having means to support shelves within the box, a pair of table top extension members of relatively light construction and each equal to one half the area of the top of the box and hinged respectively to the short brace members at the top of the box thereby adapting the extension members to be swung into end to end relation enclosing the top of the box, a second pair of table top extension members of relatively light construction and each equal to the area of the top of the box and hinged respectively in different horizontal planes to the long brace members at the top of the box thereby adapting the second pair of extension members to be swung to horizontal positions one above the other to enclose the upper end of the box, each of said extension members having a brace member secured to the underside thereof adjacent the edge opposite the hinged edge thereof, a plurality of removable brace arms adapted to be angularly interposed between the brace members on said extension members and the bracing members at the lower end of the box to rigidly support the extension members in horizontal position, and means for releasably retaining the extension members in said box enclosing positions thereof to facilitate transport of the box and table combination.

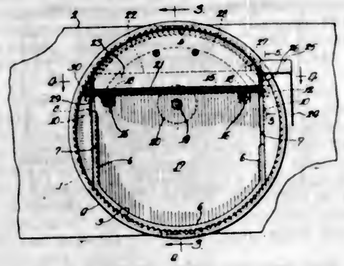
2,460,959
AIRPLANE KITE
Reuben P. Wills, Macon, Ga.
Application February 6, 1948, Serial No. 6,619
4 Claims. (Cl. 244—154)



1. An airplane kite comprising a fuselage, flexible front wings carried by said fuselage, a resilient wire secured to said front wings and fuselage and extending transversely across the kite, said wire having forwardly extending arms adjacent the side edges of the wings, and a laterally winged substantially rigid tail carried at the rear end of said fuselage.

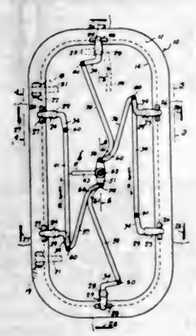
2,460,960
DRAFT CONTROL DAMPER
Robert Wilson, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Application May 7, 1945, Serial No. 592,509
10 Claims. (Cl. 236—45)

10. A draft control damper comprising a frame adapted to be mounted in an opening leading to a furnace smoke pipe, a damper swingably mounted in the frame, an angle arm rotatably mounted with relation to said frame and said damper and having an extension loosely contacting the inner face of the damper above its axis



of rotation whereby upward movement of the free end of the arm will cause the extension to move the upper part of the damper free from further opening by suction in the smoke pipe.

2,460,961
QUICK-ACTING SECURING MEANS FOR WATERTIGHT DOORS
Donald G. Wilson, Stratford, Conn., assignor to The Wilson Manufacturing Company, Stratford, Conn., a partnership
Application September 29, 1944, Serial No. 556,447
2 Claims. (Cl. 292—48)



1. In a device of the character described a door adapted to be mounted on a frame to close an opening therein, a plurality of bearing sleeves mounted on the door at spaced points adjacent the periphery thereof and extending at right angles to the door, a clamping dog including a stud mounted to turn in each sleeve and each adapted to cooperate with an inclined surface on the door frame to clamp the door closed, an arm extending laterally from each dog, a bearing sleeve mounted at right angles to the door adjacent the center thereof, a shaft mounted in said latter sleeve and extending through the door, a lever mounted on said shaft, rigid links pivotally connected directly to the lever at permanent points at permanent distances from the axis of the shaft and also directly to the arms of the dogs to positively operate the dogs in either of two directions, and an operating handle on the shaft on each side of the door.

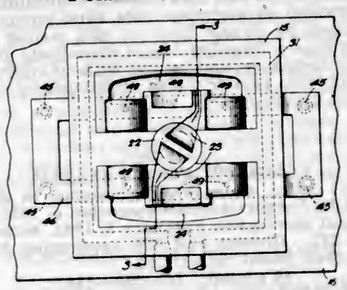
2,460,962
PLASTIC INSULATION AND METHOD OF MANUFACTURE
Manuel R. Ximenes, Fanwood, John H. Ferguson, Somerville, and Stanley C. Bunce, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application August 17, 1945, Serial No. 611,250
10 Claims. (Cl. 260—17.2)

1. A plastic insulating composition comprising heat insulating particles individually coated with a pressure sensitive, slightly tacky condensation product of zinc chloride heat treated drying oil and oil-soluble p-tertiary alkyl phenol-formaldehyde resin with 4–10 carbon atoms in the alkyl group, said composition being free of volatile solvents and being moldable by manual pressure at normal temperature to form a permanently cohesive and adhesive insulation mass.

2,460,963
CASING CLOSURE
Irvin L. Young, Chicago, Ill.
Application September 29, 1943, Serial No. 504,327
4 Claims. (Cl. 24—30.5)

1. A clip for the gathered end portion of a sausage casing where such end portion presents flat opposite sides comprising a plate of flexible sheet material formed with an opening for the passage of said portion, and a pair of extensions arranged on opposite sides of said plate, said extensions bent back toward the opening in said plate to press against the gathered end portion of the casing.

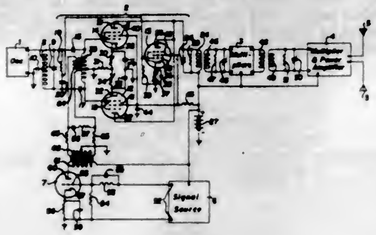
2,460,964
APPARATUS FOR MOLDING
Frank M. Adair, Berwyn, Anton J. Brunner, Congress Park, and Bruno M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1942, Serial No. 460,064
1 Claim. (Cl. 18—30)



An apparatus for molding thermosetting resinous material which comprises an extrusion cylinder, a mold having a mold cavity, a runner extending laterally from the base of the extrusion cylinder to said mold cavity, said runner having a width substantially equal to the diameter of said extrusion cylinder at the entrance end thereof, tapering to a narrower width at its

outlet end to the mold and having a thickness relatively small in relation to its width, and means for heating said extrusion cylinder, runner and mold to a temperature between 300° F. and 400° F., said runner being of such length as to bring the material to substantially the curing temperature in its passage therethrough.

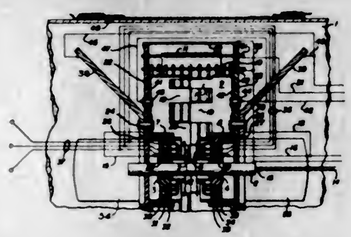
2,460,965
PHASE MODULATION SYSTEM
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application September 10, 1945, Serial No. 615,394
4 Claims. (Cl. 179—171.5)



1. In combination, a carrier wave source, a frequency multiplier for multiplying the frequency of the carrier wave from said course, a modulating signal source, the signals from said signal source lying in a band of frequencies including a first and a second range contiguous with each other, said second range including higher frequencies than said first range, a modulator connected between said carrier wave and signal sources and constructed to vary the phase of the carrier wave from said carrier wave source as a function of the instantaneous amplitude of the signal from said signal source, said modulator including a filter circuit constructed to cause the maximum phase excursion of said carrier wave to be substantially inversely proportional to the frequency of modulating signals lying within said first range of frequencies and to be less than one radian for modulating signals lying in said second range, said carrier wave having an unmodulated frequency, and a tuned circuit connected between said modulator and said frequency multiplier and constructed to attenuate side band components produced by signals lying in said second range directly as a function of the magnitude of such signal frequency, and to pass without substantial modification carrier waves modulated by signals in said first range.

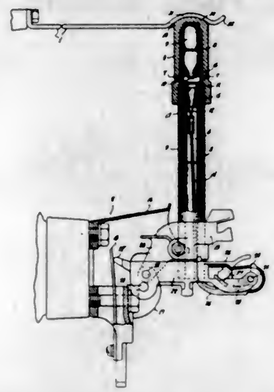
2,460,966
COMMUNICATIONS SYSTEM
Robert Adler, Chicago, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Original application February 5, 1945, Serial No. 576,227. Divided and this application March 13, 1946, Serial No. 654,049
19 Claims. (Cl. 250—156)

1. An electron discharge device having an envelope, a cathode, at least three control electrodes, at least one other electrode having a plurality of spaced conducting areas, each of said control electrodes having a plurality of electron controlling areas regularly spaced from each other and effective upon application of multiphase potentials thereto to cause an electron density wave to progress at uniform velocity successively and continuously over said conducting areas, and a magnetic flux carrying member having a flux emitting end positioned adjacent the space between said cathode and said other elec-



trode, said member being oriented to direct flux through said space substantially at right angles both to the motion of said wave and to the paths of individual electrons flowing from said cathode to said other electrode.

2,460,967
HIGH-VOLTAGE CIRCUIT INTERRUPTER
Roald H. Amundson, Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application February 25, 1944, Serial No. 523,788
15 Claims. (Cl. 200—120)

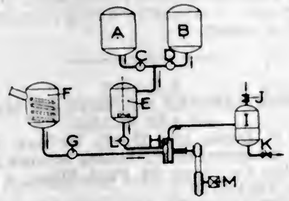


1. A circuit interrupter comprising means providing an arc channel, closure means for one end of said channel, the other end of said channel being open, gas liberating means adapted to liberate gas when acted upon by an arc, said gas liberating means being located adjacent said closure means, a fuse link within said channel having a fusible section in proximity to said gas liberating means, means adjacent the closure means for anchoring one end of said fuse link, said fuse link extending out of the open end of said channel, and fuse link extracting means located externally of said channel for extracting any remaining portion of said fuse link upon rupture of the fusible portion, said fuse link extracting means being arranged to exert tension on said fuse link which is transmitted to the anchored end of said fuse link.

2,460,968
METHOD FOR THE OBTAINMENT OF ALIPHATIC SULFONIC ACIDS AND ESTERS THEREOF
Léonce Bert, Michel Procofieff, and Vsevolod Blinoff, Paris, France, assignors to Societe Anonyme dite: Societe d'Innovations Chimiques dite: Sinnova ou Sadic, Meaux-Beauval, France
No Drawing. Application July 20, 1945, Serial No. 606,276. In France September 28, 1943
3 Claims. (Cl. 260—400)

1. A method of sulfonating an aliphatic acid containing at least six carbon atoms with chlorosulfonic acid comprising dissolving the acid in a solvent which is indifferent with regard to the sulfonating agent, admixing the said solution to chlorosulfonic acid at a ratio of 1 molecule of the initial substance to about 1.1 molecules of chlorosulfonic acid, sulfonating the mixture and removing the solvent by distillation after the gas evolution has ceased.

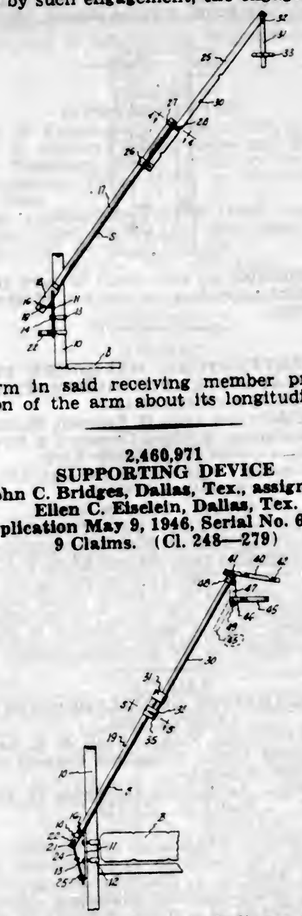
2,460,969
METHOD FOR PRODUCING HIGHER MOLECULAR ALCOHOLS
Vsevolod Blinoff, Paris, France, assignor to Societe Anonyme d'Innovations Chimiques dite: Sinnova ou Sadic, Meaux-Beauval, France
Application December 11, 1946, Serial No. 715,391
In France June 28, 1946
4 Claims. (Cl. 260—638)



1. In a continuous method for the production of a high molecular alcohol by the reaction of a water-free alcoholic solution of an ester with metallic sodium continuously conducting separate closed streams of the ester solution and of the molten sodium into a small reaction vessel completely filled by the reactants, grinding the said two components in said vessel into a dispersion at a temperature from about 100° to 200° C. while maintaining a continuous high rate of flow of the reactants through said vessel and removing the reaction products continuously from the same.

2,460,970
SUPPORTING DEVICE
John C. Bridges, Dallas, Tex., assignor to Ellen C. Eiselein, Dallas, Tex.
Application June 18, 1945, Serial No. 600,180
7 Claims. (Cl. 248—279)

1. A support including, a base member, a pivot shaft mounted on the base member and spaced from and extending substantially parallel to the face of the base member, an elongate supporting arm having a lost motion connection with the pivot shaft permitting said arm to swing on said shaft and also to move through an arc in the plane of the axis of the pivot shaft, a receiving member at the upper end of the base member, said arm being adapted to engage in the receiving member to be maintained in an elevated position by such engagement, the engagement of



the arm in said receiving member preventing rotation of the arm about its longitudinal axis.

2,460,971
SUPPORTING DEVICE
John C. Bridges, Dallas, Tex., assignor to Ellen C. Eiselein, Dallas, Tex.
Application May 9, 1946, Serial No. 668,599
9 Claims. (Cl. 248—279)

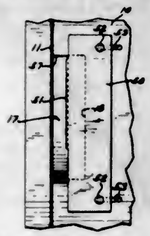
1. A supporting device including, a base member, a pivot plate carried by said base member, a hinge member swingably mounted on and supported by the upper surface of the pivot plate and projecting beyond the edge of said plate, an elongate supporting arm swingably secured on the projecting end of the hinge member, and adjustable means mounted on the base member and engageable with the supporting arm for swingably maintaining said arm in an elevated position.

2,460,972
CABLE REEL WITH ADJUSTABLE DRUM PORT
Arthur A. Bureau, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 8, 1946, Serial No. 708,586
6 Claims. (Cl. 242—77)

2. A reel for supporting cables thereon of various diameters comprising reel heads, a drum to which the reel heads are secured and which has an aperture therein, and means on said drum

selected from the group consisting of aromatic

cooperating with a portion of said aperture to define a port through which an end of the cable wound on the drum may be passed, said means



being adjustable on said drum to vary the size of said port according to the size of the cable on the drum.

2,460,973

LOW-TEMPERATURE, HYDROGEN FLUORIDE CATALYZED POLYMERIZATION OF CONJUGATED DIOLEFINS

John D. Calfee and John H. Pearson, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York

No Drawing. Application June 21, 1946, Serial No. 678,362
13 Claims. (Cl. 260—93)

1. The process of preparing hydrocarbon polymers comprising polymerizing a conjugated aliphatic diolefin at a temperature below 0° C., employing anhydrous hydrogen fluoride as the catalyst in the presence of a halogenated aliphatic hydrocarbon solvent for both the diolefin and the hydrogen fluoride, which solvent is inert to the reactants and to the resulting polymer.

2,460,974

PREPARATION OF MOLYBDENUM COMPOUNDS

Michael C. Carosella, Niagara Falls, N. Y., assignor to United States Vanadium Corporation, a corporation of Delaware

No Drawing. Application December 28, 1944, Serial No. 570,218
3 Claims. (Cl. 23—51)

3. A method of treating an ore material containing both molybdenum and tungsten compounds to recover a molybdenum compound therefrom, which method comprises digesting such ore material at a steam pressure of about 130 to 200 pounds per square inch with an aqueous solution of an alkali metal having a strong basic reaction, thereby producing an alkaline solution containing both molybdenum and tungsten compounds, adjusting the pH of said solution to a value between 5 and 7.5 by adding a mineral acid thereto, and adding calcium chloride to the said solution in an amount at least 80% of that theoretically sufficient to react with all of the molybdenum in said solution, thereby precipitating molybdenum as calcium molybdate therefrom without precipitating any substantial quantity of tungsten.

2,460,975

RECOVERY OF MOLYBDENUM COMPOUNDS

Michael C. Carosella, Niagara Falls, N. Y., assignor to United States Vanadium Corporation, a corporation of Delaware

No Drawing. Application December 28, 1944, Serial No. 570,219
6 Claims. (Cl. 23—51)

1. Process which comprises adjusting the pH of an aqueous solution containing molybdenum and tungsten compounds to a value between 5 and 7.5 and adding a mineral acid salt selected from the group consisting of sulfate, chloride and nitrate of a divalent metal selected from the group consisting of iron, nickel, cobalt and manganese to the said solution, thereby precipitating a molybdate of the selected metal therefrom without precipitating any substantial quantity of tungsten.

2,460,976

METHOD OF MAKING PLASTIC POLYSTYRENE

John W. Church, Mount Lebanon, Pa., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application August 15, 1944, Serial No. 549,633
2 Claims. (Cl. 260—8)

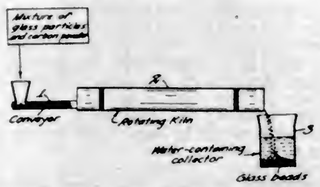
1. The method of making plastic masses by subjecting monomeric styrene in reactive condition to heat reaction in water emulsion with a protective colloid formed by a protein selected from the group of proteins consisting of casein and glycinin, continuing heat polymerization until a solid sponge-like reaction product of macromolecular structure comprising high polymers of styrene and protein of the colloid forms and settles in the reaction liquid, forming a fine aqueous suspension of the said separated reaction product by milling, and recovering the said finely particulate reaction product from the said aqueous suspension in a plastic mass by admixture of a non-evaporative solvent plasticizer and removal of water.

2,460,977

CARBON POWDER METHOD OF MAKING GLASS BEADS

Edward P. Davis and Harry Heltzer, St. Paul, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application August 29, 1945, Serial No. 613,432
2 Claims. (Cl. 49—77)



1. A method of making glass beads comprising heating a mixture of glass particles and carbon powder sufficiently to cause combustion of the carbon powder and fusion of the glass particles into non-adhering spheres formed by surface tension, and terminating the heating and combustion to avoid coalescence of the spheres, and then cooling the spheres; the proportion of carbon being sufficient to prevent the spheres from sticking together.

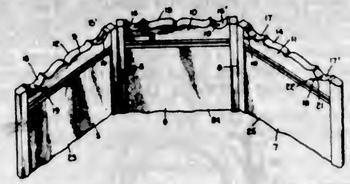
2,460,978

GARMENT HANGING SCREEN

Harry Derman, Great Neck, N. Y.

Application January 17, 1947, Serial No. 722,643
4 Claims. (Cl. 160—127)

1. A screen of the character described, said screen comprising hingedly coupled sections, each section having, at its upper end, a rail terminating in an upper curved surface, said rail centrally of a curved surface having a vertical aperture, a hanger hook comprising a part fitting in the aperture of said rail, and a curved finger con-



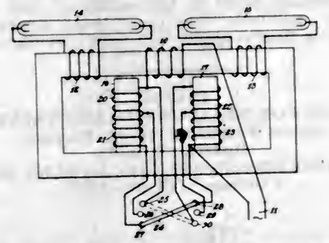
forming generally to the contour of the curvature of said surface and frictionally engaging the surface to retain the hook against accidental displacement therefrom within the side boundaries of said rail.

2,460,979

MEANS FOR CONTROLLING THE OPERATION OF A PLURALITY OF GASEOUS DISCHARGE LAMPS

William Foerste, Pelham Manor, N. Y.

Application July 30, 1945, Serial No. 607,749
7 Claims. (Cl. 315—257)



1. The combination with a plurality of gaseous discharge lamps operating at a substantially constant ionization voltage; of means to vary jointly the power supplied to the lamps to alter the respective intensities of illumination thereof, including a transformer having a closed magnetic core, only one primary and at least two secondary windings thereon, the latter being connected respectively to the lamps; and high reluctance variable reactors magnetically positioned between the primary and its corresponding secondary in single-acting shunt magnetic relationship with said closed magnetic core and separated therefrom by a non-magnetic gap for shunting from the said secondaries a portion of the flux generated by the said primary, and including respective coils and switching means for dividing variably between the lamps the outputs of the respective secondary windings.

2,460,980

PROCESS FOR THE PREPARATION OF ISOCYANATE DERIVATIVES OF PROTEINS

Heinz L. Fraenkel-Conrat and Harold S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture

No Drawing. Application September 27, 1945, Serial No. 619,011
10 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

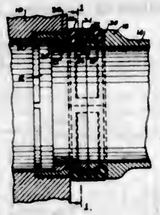
1. A process of preparing a protein derivative comprising reacting a protein with an isocyanate selected from the group consisting of aromatic isocyanates and long chain aliphatic isocyanates under anhydrous conditions, in the presence of pyridine, and at an elevated temperature.

2,460,981

PIPE CONNECTION

William H. Francisco, Jr., Bloomfield, N. J., Edward C. Steiner, Dallas, Tex., and Henry C. Hill, Pasadena, Calif., assignors to Wright Aeronautical Corporation, a corporation of New York

Original application June 6, 1944, Serial No. 538,964. Divided and this application November 25, 1947, Serial No. 787,938
4 Claims. (Cl. 285—129)



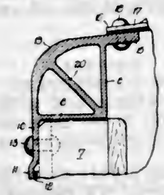
1. In combination with a pair of pipes adapted to be secured together in end-to-end relation; each of said pipes having an annular external bead adjacent its end facing the other of said pipes; a pair of semi-circular rigid members of inwardly opening channel-shaped cross-section adapted to be disposed about and bridging across the adjacent ends of said pipe members with said beads disposed between the inwardly extending channel sides of said members, the channel sides of said members terminating in spaced relation to said pipes and each having an internal diameter less than the maximum diameter of the adjacent one of said beads; resilient rubber-like means having at least a portion adapted to be disposed between said semi-circular members and said pipes, said resilient means having preformed internal groove means adapted to receive said beads; and a flexible band also bridging the adjacent ends of said pipes and having a width approximately equal to the width of said semi-circular members, said band being adapted to tightly draw said semi-circular members and said resilient means about said pipes.

2,460,982

EXTRUDED FRAME MEMBER

Garth G. Gilpin, Chicago, Ill., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware

Application August 12, 1944, Serial No. 549,203
3 Claims. (Cl. 105—404)



1. A structural member adapted for use as a railway car side plate, side sill or corner post comprising an extruded hollow metallic section

having angularly disposed arms and an arch be-

2,460,989

bead at the end facing the other pipe and a sec-

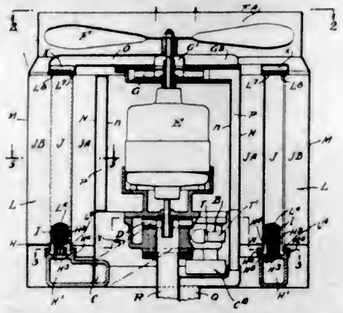
having angularly disposed arms and an arch between said arms formed on a radius, whereby a box structural member is provided, said arch being thicker at one end than at the other end thereof and flanges extending from said arch beyond said arms, said flanges providing means for attachment of cooperating parts of a railway car structure, the flange extending from the thicker end of said arch being of greater cross sectional area than the other, to provide additional strength to support a cooperating load bearing car part.

2,460,983

AIRPLANE HEATER WITH ALTITUDE CONTROLLED COMBUSTION AIR FEED

Frederic O. Hess, Germantown, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania

Application October 5, 1942, Serial No. 460,801
5 Claims. (Cl. 126—110)



1. For use in an airplane, a heating system comprising a heat radiating unit including means forming a combustion space, structure communicating with the space to continuously supply to the latter for combustion therein during flight of the airplane a combustible mixture of fuel and air which normally decreases in density with increase in altitude of the airplane, said structure including means providing a path of flow for the air and a fuel line through which liquid fuel is adapted to be supplied under pressure, the fuel being discharged under pressure from the fuel line into the presence of the air to produce a combustible mixture, flow regulating means adjustable to regulate the volumetric rate at which air of varying density is supplied to said space, and means responsive to the pressure of the ambient atmosphere to adjust said regulating means and thereby vary the volumetric rate at which air of varying density is supplied to the space so as to maintain a weight ratio of air to fuel which will provide satisfactory combustion conditions in the space during flight of the airplane irrespective of change in density of the air supplied to the space.

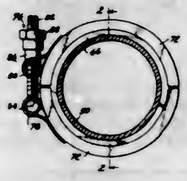
2,460,984

PIPE CONNECTION

Henry C. Hill, Montclair, and William H. Francisco, Bloomfield, N. J., assignors to Wright Aeronautical Corporation, a corporation of New York

Application June 6, 1944, Serial No. 538,964
3 Claims. (Cl. 285—86)

1. In combination with a pair of pipes adapted to be secured together in end-to-end relation, each of said pipes having a first external annular bead at the end facing the other pipe and a second annular bead spaced from said first bead, an annular member of resilient rubber-like material having a plurality of preformed internal annular grooves, said annular member being disposed about and bridging the junction of said pipes with said beads extending into said grooves, a pair of semi-circular rigid members of inwardly opening channel-shaped cross-section disposed about said annular member with said annular member filling the space between the channel sides of



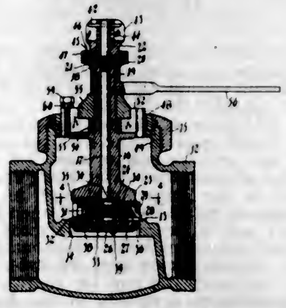
said semi-circular members, the channel sides of said semi-circular members terminating in spaced relation to said pipes and each of said channel sides having an internal diameter less than the maximum diameter of the adjacent second bead, and a flexible band also bridging the adjacent ends of said pipes and having a width substantially equal to the width of said semi-circular members, said band being adapted to be tightly drawn about said semi-circular members.

2,460,985

TOOL FOR RECONDITIONING VALVES

James Wellman Jackson, Toronto, Ontario, Canada

Application November 23, 1945, Serial No. 630,475
5 Claims. (Cl. 90—12.5)



1. In a tool for reconditioning valve seats, an elongated body for insertion downwardly into a valve to the seat thereof, said body having an axial bore and having an aperture extending through its lower end at right angles to its axis, a spindle mounted in said bore for rotation and held against endwise movement, the lower end of said spindle being provided with peripheral teeth, a holder slidably mounted in said aperture and held against rotative movement, said holder having a cylindrical section provided with circumscribing screw threads, a bevel gear in mesh with said peripheral teeth of said spindle and held against endwise movement in said aperture, said bevel gear having a bore threadedly engaged with said screw threads for feeding holder transversely of said body upon movement of said spindle, a cutting tool carried by said holder, and means for turning said body.

2,460,986

DRYING EGGS

George Josh, Crown Point, Ind., and Louis A. Harriman, Chicago, and Ervin W. Hopkins, Hinsdale, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application December 21, 1944, Serial No. 569,260
7 Claims. (Cl. 99—210)

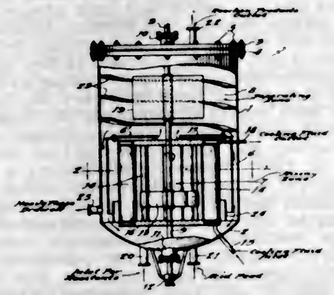
1. A process for preparing dried egg products comprising inoculating an egg white liquid with *Saccharomyces cerevisiae*, fermenting the inoculated mixture, and drying the fermented mixture.

2,460,987

MIXING AND SEPARATING APPARATUS

Elmer R. Kanhofer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 23, 1945, Serial No. 579,441
6 Claims. (Cl. 23—285)



1. A mixing and centrifuging apparatus comprising a cylindrical chamber, a circular baffle disposed horizontally within said chamber and dividing the chamber into a lower section and an upper section, said baffle terminating short of the inner wall of the chamber and having a central opening, a cylindrical shell depending from said baffle adjacent the outer periphery of the latter into said lower section and terminating above the bottom of the lower section, a rotatable drive shaft extending vertically through the chamber and through the central opening of said baffle, the drive shaft being of smaller cross-sectional area than said opening, a mixing rotor secured to the shaft in said lower section, and a centrifuging blade secured to the shaft in said upper section.

2,460,988

WELDING FLUX

Kenneth H. Koopman, Kenmore, N. Y., assignor to Union Carbide & Carbon Corporation, a corporation of New York

No Drawing. Application October 27, 1945, Serial No. 625,112
5 Claims. (Cl. 148—26)

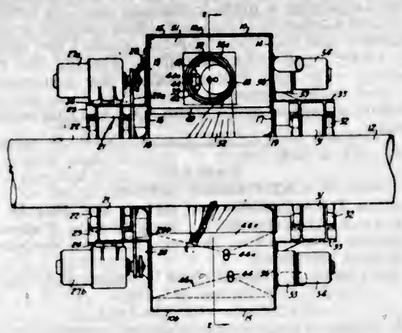
5. In the art of welding ferrous alloys containing substantial quantities of chromium by fusion-deposition methods, the improvement which comprises conducting such fusion-deposition operation under a molten flux composed of the fusion product of a mixture containing 5% to 15% borax glass; 5% to 15% titanium dioxide; 5% to 15% calcium oxide; 25% to 40% sodium carbonate; the remainder essentially all silica, the silica content being 25% to 40%.

2,460,989

PIPE-CLEANING MACHINE

Warren A. Kraner, San Francisco, Calif., assignor to General Paint Corporation, San Francisco, Calif., a corporation of Nevada

Application June 2, 1947, Serial No. 751,816
10 Claims. (Cl. 51—9)



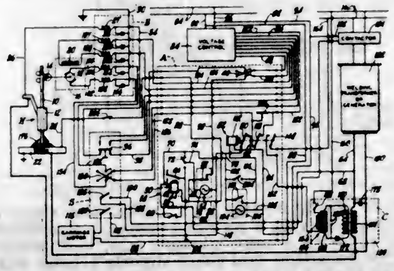
1. In a pipe cleaning machine, a housing adapted to surround a pipe to be cleaned, a grit blasting unit carried by said housing and adapted to discharge grits upon the sides of the pipe, means for rotating the housing about the pipe and for simultaneously advancing the same longitudinally about the pipe, and means for supplying grits to said unit.

2,460,990

AUTOMATIC ELECTRIC FUSION WELDING APPARATUS AND PROCESS

John A. Kratz, Yonkers, N. Y., and Henry G. Thoma, Rutherford, N. J., assignors to The Linde Air Products Company, a corporation of Ohio

Application February 5, 1946, Serial No. 645,648
9 Claims. (Cl. 219—8)



8. An automatic electric fusion welding process involving high-frequency starting and automatic timing, which is especially suitable for plug welding, intermittent welding, and production line welding, which comprises generating and applying a high-frequency potential between the work and a welding electrode connected to a welding current source while slowly feeding such electrode toward the work, automatically discontinuing the generation of such high-frequency potential and starting relative traverse motion between the electrode and work as soon as the welding voltage drops when the welding operation starts, carrying out such welding operation for a desired period of time, stopping the welding operation without discontinuing the relative traverse motion between the electrode and work for a desired

interval, and automatically repeating the cycle beginning with the high-frequency potential generation.

9. A submerged-melt electric plug welding process, which comprises feeding a welding rod at a relatively slow rate into a mass of non-conductive granular material toward a plug weld site on the work, applying a high-frequency starting potential and a potential from a welding current source between said rod and the work to start the welding action, and automatically increasing the rod feeding rate and discontinuing the generation of such high-frequency current as soon as the welding potential drops when such welding action starts.

2,460,991

ATOMIZED METAL

Gordon J. Le Brasse, Ann Arbor, and Harold E. Francis, Detroit, Mich., assignors to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application February 6, 1946, Serial No. 645,948

2 Claims. (Cl. 75—163)

1. A new article of manufacture comprising an atomized copper alloy in the form of a loose mass of particles of no greater size than that capable of passing through a 100 mesh screen, said alloy consisting of 5% to 50% lead, up to 2% nickel, up to 12% tin, up to 6% zinc, up to 0.5% phosphorus, and the balance copper, characterized by the fact that the oxygen inclusion in said alloy is no greater than 0.5%.

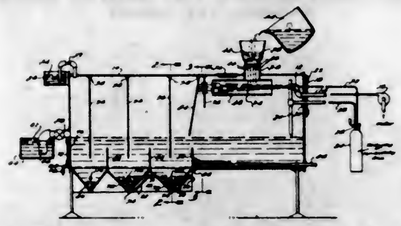
2,460,992

METHOD OF ATOMIZING METAL

Gordon J. Le Brasse, Ann Arbor, and Harold E. Francis, Detroit, Mich., assignors to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan

Application February 6, 1946, Serial No. 645,947

2 Claims. (Cl. 18—47.3)



1. In the atomization of metal, the steps of flushing air from a confined space and replacing such air with a non-oxidizing gas, maintaining a pressure within said space slightly greater than atmospheric by the continued introduction into said space of a non-oxidizing gas, introducing a stream of water flowing at a relatively high velocity into said space, introducing a relatively fine stream of molten metal into said high velocity stream of water within said space, partially obstructing the flow of said high velocity stream of water after the introduction of said molten metal thereto whereby to dissipate the force of said stream of water, creating a unidirectional flow of water in the lower portion of said space for receiving particles of said molten metal broken up and solidified by said high velocity stream of water, and effecting gravitational separation of said particles into a plurality of different sizes under the effects of said unidirectional flow of said water.

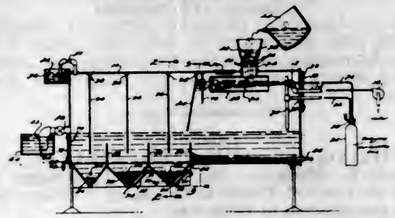
2,460,993

APPARATUS FOR ATOMIZING METAL

Gordon J. Le Brasse, Ann Arbor, and Harold E. Francis, Detroit, Mich., assignors to Federal-Mogul Corporation, Detroit, Mich., a corporation of Michigan

Application February 6, 1946, Serial No. 645,946

9 Claims. (Cl. 18—2.5)



7. Metal atomizing apparatus comprising, in combination, a relatively elongated tank, means for introducing a relatively high velocity stream of water into one end of said tank adjacent the upper portion thereof and directed toward the opposite end of said tank, baffle means between the ends of said tank in the path of flow of said high velocity stream of water serving to break up said stream and direct it toward the bottom of said tank, means intermediate the first two mentioned means for introducing molten metal in a relatively fine stream into said high velocity stream of water, means for introducing a non-oxidizing gas into said tank, means sealing said tank against the entrance of air thereto, means including an overflow at the opposite end of said tank for maintaining a substantially constant water level therein, means for introducing an additional stream of water into the first mentioned end of said tank providing with said high velocity stream a body of water in the bottom portion of said container flowing from the first mentioned end thereof toward said opposite end for the purpose of carrying particles of metal broken up by said high velocity stream in a rearward direction in said tank, a plurality of troughs in the bottom of said tank extending transversely of the path of flow of said body of water therein serving to receive and retain said particles of metal carried by said body of water, and means for agitating particles of said metal deposited in said trough whereby to aid in effecting a separation of said particles in accordance with the size thereof.

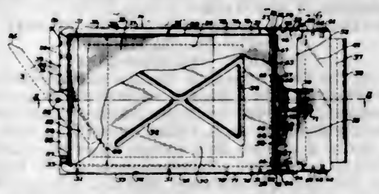
2,460,994

PHOTOGRAPHIC FILM PACK ADAPTER

Alfred E. Little, Chicago, Ill., assignor to Busch Precision Camera Corporation, Chicago, Ill., a corporation of Illinois

Application October 23, 1946, Serial No. 705,047

7 Claims. (Cl. 95—22)



1. A photographic film pack adapter comprising a frame member having means forming a

light free chamber therein and adapted to receive therein a photographic film pack, means for permitting photographic images to be exposed by the film members of said pack, said frame having an open end permitting introduction of said pack from one end of said adapter in sliding movement into said chamber, and means for latching said pack in exposable position whilst excluding light from said chamber, comprising a member movable from a position out of the path of said pack while same is engaged in sliding movement into the chamber to a position against the end of said pack and over said open end after said pack has been seated, said frame member having means for ejecting said pack when said movable member is positioned out of the path of said pack, said ejecting means comprising a spring-opposed lever movable into engagement with said pack for moving same and operable from externally of said adapter, said frame member having means permitting access by said lever, said access means being light-insulated by said opposing spring.

2,460,995

POLYVINYL ALCOHOL PLASTICIZED WITH AN AMINE ADDUCT OF BUTADIENE CYCLIC SULFONE

Carl Walter Mortenson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 22, 1944, Serial No. 569,429

6 Claims. (Cl. 260—30.2)

1. A polyvinyl alcohol article containing as a plasticizer therefor an amine adduct of butadiene cyclic sulfone.

2,460,996

PRODUCTION OF 3-CHLORO METHACRYLONITRILE

Jerome L. Mostek, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 1, 1945, Serial No. 608,354

1 Claim. (Cl. 260—465.7)

In a process for producing 3-chloromethacrylonitrile, the improvement which consists of reacting 2,3-dichloroisobutyronitrile with liquid anhydrous ammonia in proportions approximating 8 to 10 moles of ammonia to 1 mole of nitrile at a temperature approximating 20° to 25° C. and thereafter recovering 3-chloromethacrylonitrile by removing unreacted ammonia from the reaction mixture, then extracting the residue with a solvent, and recovering 3-chloromethacrylonitrile from the extract by distillation.

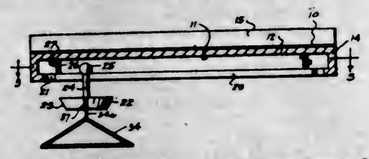
2,460,997

CLOTHES HANGER ASSEMBLY

Donald C. Myers, Dallas, Tex.

Application June 18, 1947, Serial No. 755,285

4 Claims. (Cl. 211—123)



1. A clothes hanger assembly including, a longitudinal supporting member having a bottom, the bottom of the supporting member having a longitudinal slot therein with an enlarged opening at one end thereof, a hanger bracket having an upstanding shank provided with a supporting ball at its upper end, said ball being insertable through the enlarged opening into the interior of the member and having a diameter larger than the slot, whereby the hanger bracket is suspended from the member while being rotatable and movable longitudinally with respect thereto, and a clothes hanger removably and rotatably suspended from the bracket.

2,460,998

METHOD OF COATING PAPER

Harley E. Nelson, Park Ridge, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York

No Drawing. Application March 20, 1944, Serial No. 527,337

3 Claims. (Cl. 117—76)

1. A method of coating paper which comprises coating the paper in a wet way with a coating color composition comprising an acid deflocculated clay and a starchy polysaccharide film forming binder, drying the paper to produce a preformed set coating, thereafter treating said preformed coating in a separate step with a resinous condensation product from the class consisting of water dispersible film forming urea-formaldehyde resins and melamine-formaldehyde resins, and heating the resultant products sufficiently to insolubilize the resultant coating.

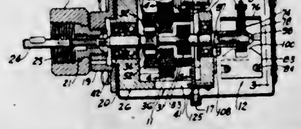
2,460,999

TACHOMETER GENERATING APPARATUS

James H. Nilson, Wilmette, and Vernon C. Westberg, Chicago, Ill., assignors to Sun Electric Corporation, Chicago, Ill., a corporation of Delaware

Application August 2, 1947, Serial No. 765,744

14 Claims. (Cl. 171—209)



1. Apparatus for generating a voltage wave having voltage impulses separated by intervals of substantially zero voltage with a rapid rate of change from zero voltage to said impulses comprising, a stationary magentic structure, windings associated therewith, and an inductor rotatable relative thereto, said inductor comprising one pair of diametrically opposed sectors having a constant radius and another pair of diametrically opposed sectors in alternation with said one pair, said other pair of sectors having uniformly varying radius.

2,461,000

DISPENSER SUPPORT

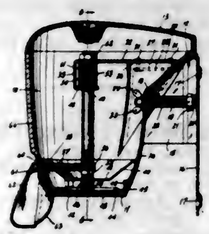
George H. Packwood, Jr., St. Louis, Mo.

Original application June 9, 1941, Serial No. 397,158. Divided and this application September 15, 1944, Serial No. 554,185

5 Claims. (Cl. 248—203)

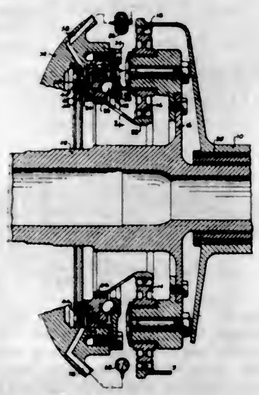
1. In a dispenser, a bowl, spaced flange walls extending backwardly from the bowl and having exposed edges, an attaching means engageable

across the edges of said flange walls over a substantial area and adapted to be secured to a wall or the like, said attaching means and the flanged walls being shaped to provide an enclosure, means on the attaching means to receive removable securing means, said means on the attaching means



being disposed within the enclosure between the flange walls and the bowl when the dispenser is attached to be accessible only when the bowl and attaching means are disengaged, and means accessible only from within the bowl for securing the bowl to the attaching means.

2,461,001
TORQUE METER
Peter H. Palen, Paterson, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application October 6, 1945, Serial No. 620,719
4 Claims. (Cl. 73—136)

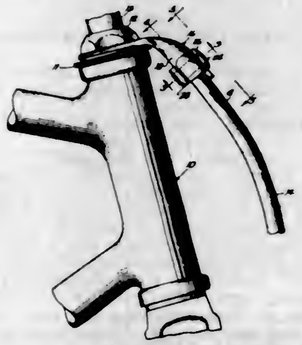


1. In combination, means providing a chamber, a piston-like member closing one end of said chamber and movable relatively thereto, a passage through which a fluid under pressure is adapted to be supplied, a restricted opening between said passage and chamber, a fluid bleed opening communicating with said passage on the side of said restricted opening remote from said chamber, means operative to exert a force on said piston-like member against the fluid pressure in said chamber, said piston-like member being movable by said force and the opposing force of the fluid pressure in said chamber to adjust the magnitude of said bleed opening, a fluid pressure responsive indicator, and a passage establishing communication between said indicator and said chamber on the chamber side of said restricted opening.

2,461,002
QUICK-CHANGE BATTERY SUPPORT
Harold C. Riggs, Langhorne Manor, Pa., assignor to The Electric Storage Battery Company, a corporation of New Jersey
Application February 2, 1944, Serial No. 520,793
7 Claims. (Cl. 136—171)

6. In combination, a battery box having blocks projecting from opposite sides, conducting strips on the upper faces of said blocks, a pair of horizontally disposed slideways having upper and lower flanges, said lower flanges slidably supporting said blocks, contact springs having end portions fixed to said upper flanges and free ends terminating in hooks, said hooks normally clearing said blocks, terminal lugs electrically connected with the fixed ends of said springs, and levers pivoted to said slideways and engageable with said springs to force said hooks into engagement with said blocks and thereby retain the battery box in fixed position relative to the slideways and electrically connect said terminal lugs with said conducting strips.

2,461,003
TRUSS ROD BRACKET
Frank W. Schwinn, Chicago, Ill.
Application May 14, 1945, Serial No. 593,565
1 Claim. (Cl. 287—54)



A truss tube rod and bracket assembly for connection to the steering tube of a bicycle and comprising a metal bracket provided with a body portion having a centrally located bore at one end for receiving the steering tube, said bracket having a forwardly and downwardly extending truss rod securing flange, said flange being provided on each side with downwardly extending and substantially straight partially cylindrical portions and being provided with a through bore between said partially cylindrical portions, a bolt of a size to fit said through bore, a pair of truss rods each having a substantially straight upper end portion of a length substantially greater than that of said partially cylindrical portions, said end portions of the truss rods being engaged on their outer sides by said partially cylindrical portions of the flange, said truss rods also being provided with transversely extending partially cylindrical grooves provided by deformation of the adjacent

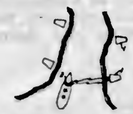
side walls thereof for receiving said bolt located in said through bore, said partially cylindrical portions of the securing flange having axes angularly disposed to diverge downwardly for holding said upper end portions of the truss rods in diverging relationship to one another, and a threaded member for engaging the end of said bolt for securing the truss rods to said bracket, said threaded member being substantially trapezoidal in shape so that it extends over the middle portion of each truss rod when the truss rods are disposed in said diverging relationship relative to one another.

2,461,004
TREATMENT OF HYDROCARBON RESINS AND PRODUCTS THEREOF
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 20, 1944, Serial No. 541,266
7 Claims. (Cl. 260—80)

1. A process for producing unsaturated resin-forming hydrocarbon material comprising heating in a heating zone in attenuated form in the presence of steam and under temperature conditions between 400° C. and and 800° C. and for a period of time sufficient to effect depolymerization to unsaturated resin-forming material a solution in an aromatic hydrocarbon solvent substantially inert under the conditions obtaining of mixed hydrocarbon resin polymer selected from the group consisting of heat resin polymer and catalytic resin polymer of polymerizable hydrocarbons contained in a hydrocarbon oil which has been physically separated from tar produced in the vapor phase pyrolysis of petroleum oil and which is free from and of greater volatility than the pitch of said tar, said hydrocarbon oil when separated and when subjected to polymerization containing in addition to hydrocarbons boiling between 210° C. and 450° C. which are not polymerizable by the application to said oil of heat alone but which are polymerizable to catalytic resin polymer by treating said oil with a resin-producing catalyst, other hydrocarbons boiling between 210° C. and 450° C. which are polymerizable to catalytic resin polymer by treating said oil with a resin-producing catalyst but which last-mentioned hydrocarbons are also polymerizable to heat resin polymer by the application to said oil of heat alone, said last-mentioned hydrocarbons being present in said hydrocarbon oil in amount greater than approximately 5% of the total hydrocarbon oil boiling between 210° C. and 450° C., while removing the resulting depolymerized material from said heating zone and cooling said removed material substantially as rapidly as formed, said steam being present in said heating zone in a proportion between 1 part steam to 10 parts resin polymer by weight and 5 parts steam to 1 part resin polymer by weight; and thereafter repolymerizing said removed depolymerized products in liquid phase.

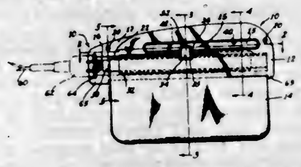
2,461,005
ULTRA HIGH FREQUENCY TRANSMISSION
George C. Southworth, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1940, Serial No. 327,988
12 Claims. (Cl. 343—5)

1. A course marking system comprising a plurality of radio reflectors geographically spaced apart to outline a course, a vehicle having a transmitter for launching radio waves of a plurality of frequencies toward said reflectors, and means adjacent said transmitter for receiving the radio waves returned from said reflectors, said reflectors having respectively different frequency-reflection characteristics whereby they may be severally identified by the character of the waves returned to said receiver.



10. A hollow metallic wave guiding passage for electromagnetic waves, said passage flaring from one end thereof to the other, and the transverse dimensions of said passage being so proportioned that at every point along the length of said passage the impedance presented to waves guided therethrough is substantially the same.

2,461,006
TROUSER PRESSER
Ivan P. Sowers, Los Angeles, Calif.
Application February 24, 1945, Serial No. 579,538
11 Claims. (Cl. 219—19)



1. In combination in a heated hand-type fabric presser: a handle enclosing a cavity; movable fabric pressing plates having portions disposed in said cavity and portions lying beyond said handle; means carried by said handle to separate said plates; and heating means for said plates carried within said cavity in operative relation with and between said portions of said fabric pressing plates within said cavity, said handle being extended beyond said heating means at the opposite ends of said plates sufficiently to engage fabric being pressed and prevent entrance of said fabric into said cavity and into engagement with said heating means when said plates are separated.

2,461,007
PROCESS FOR REFINING TURPENTINE
George H. Splittgerber, Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 6, 1946, Serial No. 674,931
2 Claims. (Cl. 260—675.5)

1. A process which comprises heating turpentine over barium oxide to reflux temperature of the turpentine to remove or inactivate oxygen impurities contained in the turpentine.

2,461,008
MAGNETIC SEPARATOR
Roswell H. Stearns, Wauwatosa, Wis., assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application May 31, 1945, Serial No. 596,910
3 Claims. (Cl. 209—228)

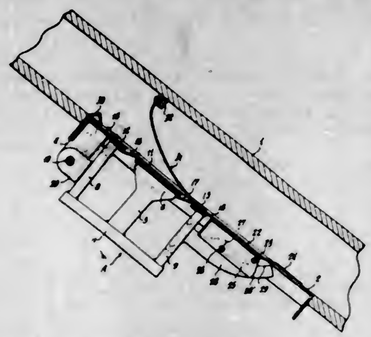
1. A permanent magnet spout type separator comprising a downwardly slanting spout down

which a mixture of magnetic and nonmagnetic

2,461,012

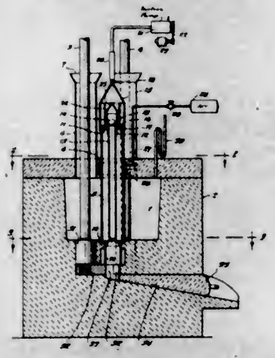
with said supporting links and said straight links

which a mixture of magnetic and nonmagnetic material is adapted to slide, a plurality of soft steel pole pieces of magnetizable material permanently mounted in said spout in position for the material to pass thereover, a magnet structure comprising in combination a permanent magnet and a U-shaped yoke of magnetizable material hingedly supported from and below said spout and bodily movable as a composite unit upwardly into and out of contact with said pole pieces to respectively energize and deenergize said pole



pieces, a trap gate carried by said spout for discharging magnetic material, and means for mechanically connecting said magnet structure and said trap gate to positively close and open said trap gate when said magnet structure is respectively moved into and out of contact with said pole pieces, the weight of said magnet structure being temporarily overcome by the magnetic attraction of said magnet structure to thereby hold said magnet structure temporarily in position against the action of gravity.

2,461,009
PREPARATION OF MAGNESIUM FROM ITS ORES
Lucien C. Sturbelle, New York, N. Y.
Application October 12, 1942, Serial No. 461,654
8 Claims. (Cl. 75—67)

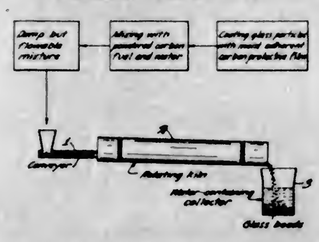


1. The method of producing metallic magnesium from its ore, which comprises smelting said ore with carbon, removing the carbon monoxide and magnesium vapor released thereby into a separate chamber, there oxidizing the carbon monoxide to carbon dioxide and the metallic magnesium to magnesia, separating the carbon dioxide and magnesia, reducing the separated magnesia so obtained to magnesium by reaction with that part of the reduced smelted ore including the silicon thereof which will reduce magnesia under conditions which vaporize the magnesium so obtained, and condensing the magnesium vapors so obtained with a minimum of oxidation thereof.

2,461,010
PROCESS FOR THE RECOVERY OF AMMONIA
John W. Teter, Chicago, Ill., and Robert H. Stookey, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application December 29, 1942, Serial No. 470,450
1 Claim. (Cl. 260—585)

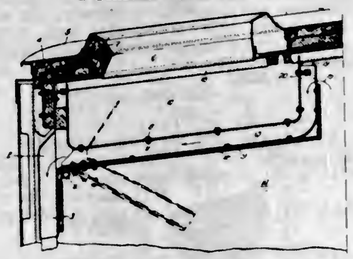
In the amination of propylene wherein a mixture of propylene and ammonia is brought at an elevated temperature and pressure into contact with a catalyst capable of selectively aminating the propylene, the improvement which comprises stabilizing the resulting mixture to recover the aminated propylene and to produce a gaseous mixture of the unreacted components consisting predominantly of ammonia, propane and propylene, cooling the gaseous mixture to a temperature of about 0° F. under sufficient pressure to establish substantially liquid phase conditions at such temperature, effecting settling of the cooled liquid mixture with resulting formation of two distinct layers one of which comprises predominantly the ammonia and the other comprises predominantly the propane and propylene, separating the layer comprising predominantly the ammonia and the layer comprising predominantly the propane and propylene and returning the ammonia to the amination operation.

2,461,011
CARBON POWDER METHOD OF MAKING GLASS BEADS
Nelson W. Taylor, White Bear Lake, and Robert C. Murray, Bald Eagle Lake, Minn., assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
Application August 29, 1945, Serial No. 613,434
8 Claims. (Cl. 49—77)



1. A method of making glass beads comprising heating a mixture of glass particles, each of which is coated with a protective film of ash-free carbon in a finely divided state, and a small proportion of powdered carbon fuel having an appreciable ash content, the heating being sufficient to cause combustion of the carbon fuel and fusion of the glass particles into non-adhering spheres but insufficient to burn off the carbon protective films, terminating the heating and combustion to avoid coalescence of the spheres, and then cooling the spheres.

2,461,012
ASSEMBLY FOR SUPPORTING REFRIGERANT CONTAINERS IN REFRIGERATOR CARS
Alfred L. Thompson, Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application April 12, 1947, Serial No. 741,101
4 Claims. (Cl. 62—17)



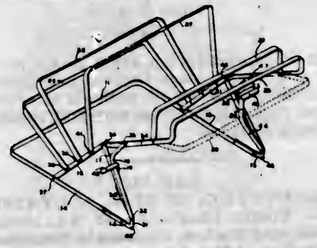
1. A refrigerant container assembly for a railway refrigerator car having a wall, a vertical flue forming a part of said wall, a roof and a hatch opening in said roof, said assembly comprising a refrigerant container below said hatch opening, beams extending across the bottom and one side of said container and secured thereto, said beams being removably secured to said roof, a drip catcher supported by said beams and spaced from said container to form ducts between said beams which communicate with said flue at one end thereof and with the interior of the car at the other end thereof, and a hinge swingably supporting one side of said assembly to said wall, so that upon removal of removable means said assembly may be swung downwardly from said roof.

2,461,013
ARYLMETHYLMERCAPTO ALDEHYDES
William Howells Vinton, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 23, 1944, Serial No. 550,857
4 Claims. (Cl. 260—609)

3. An aldehyde having, on the carbon beta to the aldehyde carbon, an arylmethylthio group $ArCH_2S\cdot$ wherein Ar is an aryl radical, the molecule, apart from the aryl radical, the one oxygen, and the one sulfur, being saturated aliphatic hydrocarbon.

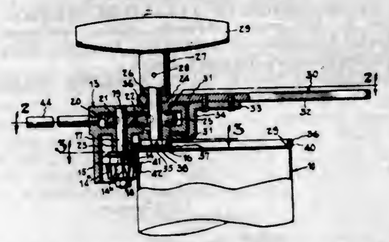
2,461,014
CANOPY FRAME
Matilda D. Welsh, Ladue, Mo.
Application March 22, 1946, Serial No. 656,259
4 Claims. (Cl. 135—7.1)

1. A collapsible canopy frame comprising a main bow having a first and a second arm, a first and second mechanism supported on said arms each comprising first and second supporting links carrying a plurality of fabric supporting bows, first and second straight links connected at one end with said supporting links, first and second curved links and first and second levers pivoted for movement about points supported on said arms of said main bow, said first and second levers receiving respectively an end of said first and second straight links and the same being pivotally attached thereto at points above a point of connection between said curved links and said levers with said main bow, a shield bow connected with said supporting links and said straight links at their points of connection and arranged to pivot thereabout, said shield bow having arms with which said first and second curved links connect, and stop means carried on said first and second levers movable against said first and said second



curved links to lock said shield bow in an erected position, said first and second levers being movable from their locking position to cause said shield bow to pivot about points characterized by its connection with said curved links to move the same into superposition with said main bow.

2,461,015
CAN OPENER AND RESHAPER
Andrew H. Withrow, Cincinnati, Ohio
Application April 10, 1946, Serial No. 661,010
2 Claims. (Cl. 7—14.2)



1. A can opener comprising; a supporting body structure, a pair of gripping rolls, said rolls mounted in said supporting structure on parallel axes and substantially adjacent each other, one of the gripping rolls adapted to engage the internal periphery of the end seam of a can and the other adapted to engage the external periphery of the can just below the end seam of the can, means for rotating said gripping rolls, a cutter fixed to the axis of rotation of the external gripping roll and adapted to sever the side wall of the can on a circumferential line below said last-named gripping roll to provide a depending flange for the cap portion, and a forming roll mounted on the cutter axis below the cutter for tapering the upper portion of the can just below the cut so that it will receive the severed lid portion.

2,461,016
PRODUCTION OF ENOL ACETATES
Frank G. Young, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 27, 1946, Serial No. 686,714
7 Claims. (Cl. 260—488)

1. In the process for producing enol acetates, the step which comprises intimately mixing and condensing at an elevated temperature successive

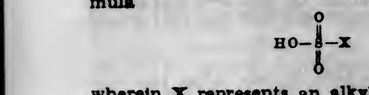
portions of ketene with a ketone having at least

2,461,019

charge of an intimate mixture in finely divided form of tantalum oxide and a metal containing

2,461,022
VARIABLE POWER AND SPEED

portions of ketene with a ketone having at least three hydrogen atoms connected with the carbon atoms alpha to a keto carbon atom, in the presence of a catalyst corresponding to the formula

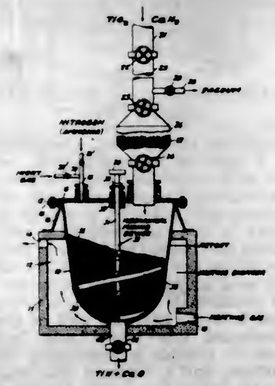


wherein X represents an alkyl group having at least one hydrogen atom thereof substituted by a corresponding number of radicals selected from the class consisting of the carboxyl radical, and the halogen radicals.

2,461,017
PRODUCTION OF ENOL ACETATES
Frank G. Young, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application July 27, 1946, Serial No. 686,715
6 Claims. (Cl. 260—488)

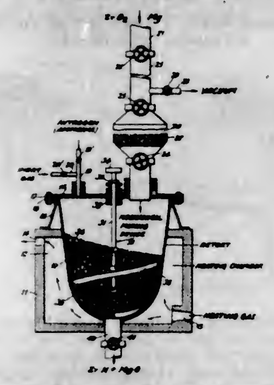
1. In the process for producing enol acetates, the step which comprises intimately mixing and condensing successive portions of ketene with a ketone having at least three hydrogen atoms connected with the carbon atoms alpha to a keto carbon atom, at an elevated temperature, in the presence of an alkane disulfonic acid as catalyst.

2,461,018
PRODUCTION OF TITANIUM NITRIDE
Peter P. Alexander, Beverly, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
Application March 2, 1945, Serial No. 580,688
5 Claims. (Cl. 23—191)



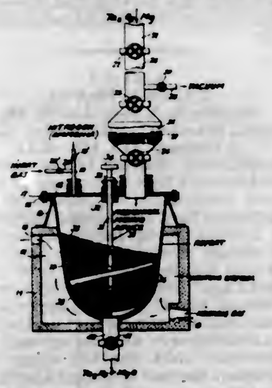
1. A method for producing titanium nitride which comprises confining in a reaction zone a charge of an intimate mixture in finely divided form of titanium oxide and a metal containing reducing agent capable of forming a refractory metal oxide by reduction of the titanium oxide, heating the charge sufficiently high to reduce the titanium oxide by reaction with said reducing agent and form a reaction mass in which finely divided particles of titanium metal are distributed and held in a mass of particles of refractory oxide, then admitting to the reaction zone a gas selected from the group consisting of nitrogen and ammonia, and converting the titanium metal to titanium nitride while distributed and held in the protective refractory oxide.

2,461,019
PRODUCTION OF ZIRCONIUM NITRIDE
Peter P. Alexander, Beverly, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
Application March 2, 1945, Serial No. 580,689
5 Claims. (Cl. 23—191)



1. A method for producing zirconium nitride which comprises confining in a reaction zone a charge of an intimate mixture in finely divided form of zirconium oxide and a metal containing reducing agent capable of forming a refractory metal oxide by reduction of the zirconium oxide, heating the charge sufficiently high to reduce the zirconium oxide by reaction with said reducing agent and form a reaction mass in which finely divided particles of zirconium metal are distributed and held in a mass of particles of refractory oxide, then admitting to the reaction zone a gas selected from the group consisting of nitrogen and ammonia, and converting the zirconium metal to zirconium nitride while distributed and held in the protective refractory oxide.

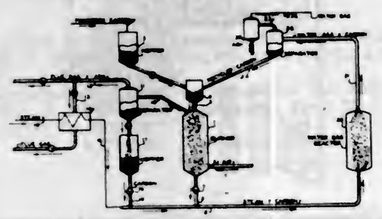
2,461,020
PRODUCTION OF TANTALUM NITRIDE
Peter P. Alexander, Beverly, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
Application March 2, 1945, Serial No. 580,690
5 Claims. (Cl. 23—191)



1. A method for producing tantalum nitride which comprises confining in a reaction zone a

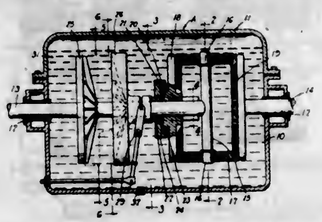
charge of an intimate mixture in finely divided form of tantalum oxide and a metal containing reducing agent capable of forming a refractory metal oxide by reduction of the tantalum oxide, heating the charge sufficiently high to reduce the tantalum oxide by reaction with said reducing agent and form a reaction mass in which finely divided particles of tantalum metal are distributed and held in a mass of particles of refractory oxide, then admitting to the reaction zone a gas selected from the group consisting of nitrogen and ammonia, and converting the tantalum metal to tantalum nitride while distributed and held in the protective refractory oxide.

2,461,021
MANUFACTURE OF WATER GAS
Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application July 24, 1943, Serial No. 496,012
4 Claims. (Cl. 48—206)



1. A continuous method of producing carbon monoxide and hydrogen from a solid carbonaceous material which comprises converting said material to finely powdered form, introducing said powder to a vertical combustion zone, introducing to the lower portion of said zone a stream of oxygen-containing gas, passing said gas upwardly through the combustion zone in contact with said powder so that powder is maintained dispersed in gas within said zone, effecting partial combustion of said powder with accompanying decrease in particle size and formation of ash, discharging from the upper portion of said zone a stream of hot combustion gas containing entrained hot carbonaceous particles and ash, separating entrained hot carbonaceous particles from said discharged gas and ash, passing said residual hot gas stream in indirect contact with a stream of steam, injecting said separated hot particles in the resulting heated stream of steam, continuously withdrawing hot carbonaceous particles from the bottom of said combustion zone, injecting said withdrawn hot carbonaceous particles into said heated stream of steam, passing the resulting hot mixture of steam and injected particles upwardly through a vertical reaction zone, reacting said carbonaceous particles with steam at a temperature of about 1500° F. and above in said reaction zone so as to form carbon monoxide and hydrogen, removing from the upper portion of said reaction zone an effluent steam of carbon monoxide and hydrogen containing entrained particles of unconsumed carbonaceous material and ash, separating entrained unconsumed carbonaceous material from said carbon monoxide, hydrogen and ash, recycling separated unconsumed carbonaceous material to said combustion zone and separating ash from said effluent stream of gas so as to provide a gaseous mixture comprising mainly carbon monoxide and hydrogen.

2,461,022
VARIABLE POWER AND SPEED TRANSMISSION
Henry C. Barnack, West Springfield, Mass.
Application March 14, 1945, Serial No. 582,746
1 Claim. (Cl. 74—681)



A transmission consisting of a fluid-tight casing, fluid therein, driving and driven shafts axially aligned with each other and rotatable mounted in opposite ends of and extending into said casing, the ends of said shafts being axially spaced a predetermined distance from each other in said casing, a cross-shaft secured to said driving shaft, a pair of bevel gears journalled on said cross-shaft, a first bevel gear fixed to said driven shaft and meshing with said pair of bevel gears, a second bevel gear rotatably mounted on said driving shaft and meshing with said pair of bevel gears, a fluid impact driven member having a series of radially-disposed grooves and slidably journalled upon said driving shaft, means extending from said impact driven member slidably keying the same to said second bevel gear for driving the same while allowing relative axial movement between said impact driven member and said gear, a driving impact member having radially-disposed fins complementary to said radially-disposed grooves and adapted to be received thereby, said driving impact member being fixed to said driving shaft, means slidably engaging said driven impact member for shifting the same relative to said driving impact member.

2,461,023
PHOTOGRAPHIC SILVER HALIDE EMULSIONS
Carl E. Barnes, Belvidere, N. J., and William O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 25, 1944, Serial No. 560,359
12 Claims. (Cl. 95—7)

1. A light-sensitive photographic emulsion which comprises a silver halide dispersed in gelatin and a thermal-reversible gel comprised of the interpolymer of an acrylic acid with an acrylic acid amide, the amount of said interpolymer being at least 4% of the amount of gelatin, and said interpolymer containing at least 25% of said acid and at least 25% of said amide.

2,461,024
COUPLING DEVICE
Earl J. Baumgardner, Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application December 12, 1944, Serial No. 567,814
16 Claims. (Cl. 285—173)

1. In a device of the kind described, a conduit, a tube having one extremity anchored in said conduit and its other extremity extending free beyond the end of said conduit, a flange pro-

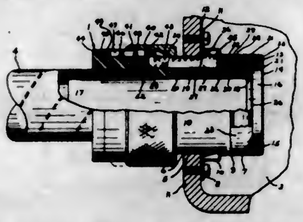
vided adjacent the free end of said tube, a non-metallic body rotatably mounted on said tube,

said third bellows through an exhaust passage to atmosphere, said exhaust passage being in a mem-

drive and said driven shafts, a double friction coupling splined to each shaft, each coupling

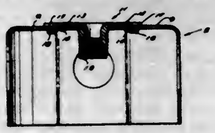
the primary coils of both said core sections, and shunt core means with included air-gaps posi-

vided adjacent the free end of said tube, a non-metallic body rotatably mounted on said tube, said body being provided with a recess at one extremity receiving the end of a conduit and a recess at its other extremity receving the flange of the tube whereby to hold said body against



axial movement with respect to said tube, a recess provided in said body and elongated latch means disposed in said recess, means for securing one end of the latch to the body, and means movable with respect to the body cooperable with the opposite extremity of the latch means for operating the latch means.

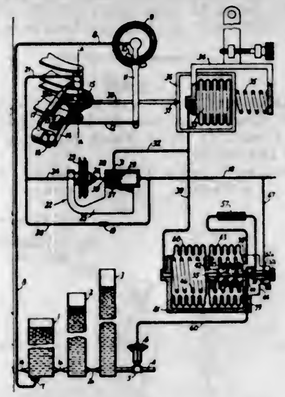
2,461,025
FIXTURE ACCOMMODATING AND HANGER STUD
Frederick R. Beck, Houston, Tex.
Application October 28, 1944, Serial No. 560,846
5 Claims. (Cl. 248—343)



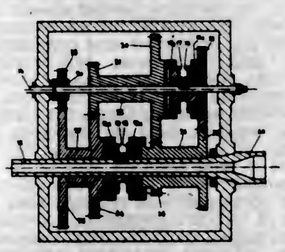
1. In a structural assemblage of the class described, in combination, a conventional outlet box having a stud hole centrally arranged in its top and a plurality of keeper holes coordinated therewith, an internally and externally screw-threaded stud projecting into the box by way of said stud hole, said stud being provided on its outer end with an adapter bracket, the adapter bracket being in turn provided with radial arms having L-shaped keeper-hooks insertable and anchored in said keeper holes.

2,461,026
DIFFERENTIATOR
Gerald I. Bilyeu, Foxboro, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application January 6, 1944, Serial No. 517,261
1 Claim. (Cl. 137—153)

A relay valve for producing a control pneumatic output pressure, comprising in combination, a bellows responsive to a variable pneumatic pressure, a second bellows opposing the force of said first bellows, a third bellows inside said second bellows also opposing the force exerted by said first bellows, a spring system biasing said bellows to a neutral position, and the sum of the effective areas of said second and third bellows being equal to the effective area of said first bellows, a source of air supply, a valve body controlling flow of air from said source of air supply through an inlet passage into said third bellows, a restricted passage connecting said second and third bellows, a second valve body fixed with respect to said first valve body and controlling exhaust of air from said third bellows through an exhaust passage to atmosphere, said exhaust passage being in a member movably carried by the opposing ends of said bellows and the inner end of said exhaust passage being so positioned with reference to said valve bodies and inlet passage that bellows movement in one direction causes it to be engaged and closed by said second valve body and further bellows movement in the same direction causes it to move said first valve body from its seat to permit ingress of air into said third bellows, and bellows movement in the opposite direction causes it to move said first valve body to close said inlet passage and further bellows movement causes said member to move away from said second valve body to permit egress of air from said third bellows, whereby the pressure in said third bellows is varied by supply and exhaust of air through said inlet and exhaust passages in response to change of pressure in said first bellows, and said control output pneumatic pressure being that in said third bellows.



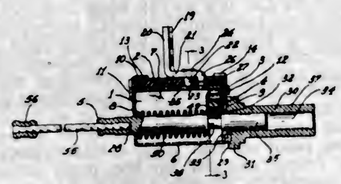
2,461,027
CHANGE-SPEED TRANSMISSION FOR AUTOMATIC LATHES
Ernest Bodmer, Geneva, Switzerland
Application June 10, 1944, Serial No. 539,754
In Switzerland July 23, 1943
2 Claims. (Cl. 74—359)



1. In an automatic single spindle lathe, a change-speed-transmission including a gear housing, a pair of parallel shafts journaled in the housing, one of said shafts being a constant speed drive shaft and the other of said shafts being a variable speed driven shaft, sets of parallel constantly meshing gears loosely mounted on said

drive and said driven shafts, a double friction coupling splined to each shaft, each coupling comprising a friction clutch, one of said double couplings being carried by a drive shaft and the other by a driven shaft, said shafts being connected together by said gear sets, each gear set having a part of one clutch of its respective double coupling integral therewith, each gear set being loosely mounted on its shaft and including two gears each in mesh with the opposite gears of another set of gears mounted parallel thereto, one gear of each set being in mesh with a gear which carries a part of one of the said friction clutches of each of the double couplings, said parts of the friction clutches being loose on their respective shifts when uncoupled from the adjacent side of their respective double coupling, a one-way coupling mounted for rotation on said drive shaft, and a gear carried by said coupling in mesh with a gear of one of said gear sets on the driven shaft.

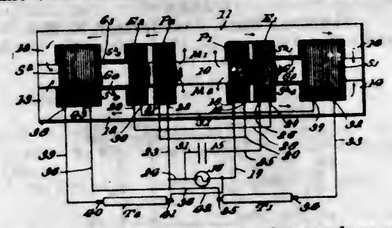
2,461,028
ELECTRIC SWITCH
Hershel C. Bolley, Clawson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Continuation of application Serial No. 391,906, May 5, 1941. This application June 15, 1946, Serial No. 676,882
9 Claims. (Cl. 200—163)



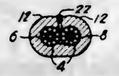
6. A switch including, a casing having an open side, a contact plate extending across said open side electrically connected to opposite walls of the housing and preventing spreading of said walls, an insulator disposed on said plate carrying contact means insulated from said plate, bridge means in said casing, and means connected to the bridge means whereby the bridge means may be moved to engage the contact plate and the contact means.

2,461,029
LUMINESCENT TUBE SYSTEM AND APPARATUS
Charles Philippe Boucher, Fostoria, Ohio, and Frederick August Kuhl, Ridgewood, N. J., assignors, by mesne assignments, to National Inventions Corporation, a corporation of New Jersey
Original application July 14, 1941, Serial No. 402,410. Divided and this application April 12, 1943, Serial No. 482,802
6 Claims. (Cl. 171—119)

1. A high leakage reactance autotransformer comprising, in combination, a core including two main magnetic core sections each forming a closed magnetic circuit, two primary coils connected together and individually mounted on the main core sections, two secondary coils individually mounted on the main core sections and each connected in autotransformer relationship with the primary coils of both said core sections, and shunt core means with included air-gaps positioned between the primary and secondary coils of each of said core sections.

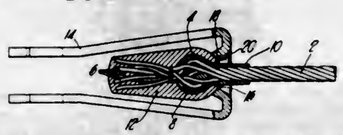


2,461,030
METHOD OF MAKING TORPEDO NETS
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 6, 1945, Serial No. 581,311
1 Claim. (Cl. 140—11)



The method of making a torpedo net having intersections, each intersection having a pair of stranded wire structures connected by a slip clip having two abutting relatively smooth openings therethrough of substantially the same size as the stranded wire structure, which method comprises placing a clip around a pair of stranded structures and cold pressing it into relatively tight contact with the stranded structures substantially throughout their periphery with a pressure sufficient to normally hold the stranded structures and clip against relative movement but insufficient to prevent slippage at applied loads, and then welding the upper part of the two arms together while the clip and stranded structures are so assembled.

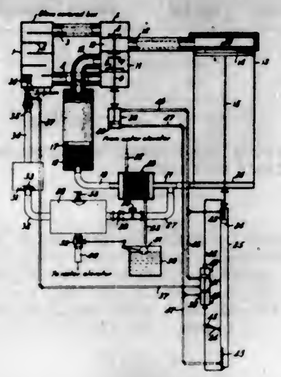
2,461,031
TERMINAL FITTING
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 4, 1945, Serial No. 620,285
1 Claim. (Cl. 287—82)



A terminal fitting for stranded wire structures comprising a member attached to said wire structure, said member having a spherical portion, a one-piece clevis member freely slidable over the wire structure, said clevis member having two spaced apart arms and a connecting portion, said connecting portion having an opening therein for passage of said wire structure, and a frusto-conical flange surrounding said opening and extending radially toward the center of the spherical portion on the wire structure, the rim of said flange bearing against the end of said spherical portion and the base of said flange being spaced from said arms.

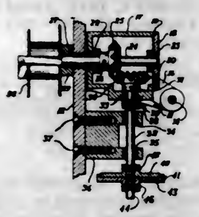
named piston rods and positioned between said

2,461,032
THERMAL APPARATUS FOR COMPRESSING GASES
Vannevar Bush, East Jaffrey, N. H.
Application January 31, 1944, Serial No. 520,501
18 Claims. (Cl. 230—1)



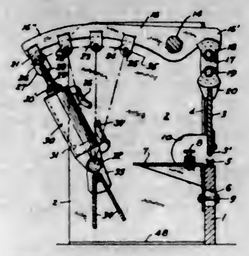
1. A direct thermal compressor of the type including a cylinder having a piston therein, passage means connecting the opposite ends of said cylinder and comprising a cooler in series with a regenerator, means for reciprocating said piston to transfer gas back and forth through said passage means in repeated cycles, and heating means to establish and maintain a temperature gradient along said regenerator, characterized by the fact that said heating means comprises a gas-filled closed box exposed to solar radiations, and conduit means for passing solar-heated gas from said closed box in heat exchange relation to said regenerator.

2,461,033
WEIGHT CONTROLLED REEL DRIVE
Don Canady, Cincinnati, Ohio, assignor to Dayton Acme Company, Cincinnati, Ohio, a corporation of Ohio
Application September 19, 1946, Serial No. 698,073
3 Claims. (Cl. 242—55)



1. A weight controlled reel drive comprising a frame, a driving member, a driven member, clutch faces between said members, a shaft extending from said driven member, a housing supported on said shaft, a pair of arms extending from said frame, a second pair of arms secured to said housing and having pivoted connection with said frame arms, a cross-shaft in said housing having geared connection with said first named shaft, and a reel on said cross-shaft.

2,461,034
PRESS BRAKE DRIVE
James B. Castle, Oakland, Calif., assignor to Reconstruction Finance Corporation, San Francisco, Calif., a corporation of the United States
Application August 29, 1945, Serial No. 613,245
2 Claims. (Cl. 74—110)



1. In a press brake having a frame including a pair of spaced side walls and a vertically movable press jaw extending transversely of the press at the forward edges of said walls, the improvement which comprises an overhead shaft extending across between said walls and provided with bearing support on said walls, a pair of levers spacedly mounted on said shaft each having a short and a long arm, the short arms extending over said movable jaw, link connections between the short arms and the movable jaw for raising and lowering the jaw as the arms are operated, the long arms extending overhead rearwardly of the press, a transversely extending rigid yoke pivotally connected at its ends respectively to said long arms, an upwardly extending double-acting hydraulic power cylinder positioned at the rear of the press with a piston rod at its upper end, said piston rod rigidly secured at its end to a central point on said yoke, a transversely extending frame member on the press structure rigidly connecting its side walls, and means pivotally connecting the lower end of said cylinder to said frame member.

2,461,035
ELECTROLYTIC STAINLESS STEEL POLISHING
Irvine C. Clingan, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application February 23, 1944, Serial No. 523,572
8 Claims. (Cl. 204—140)

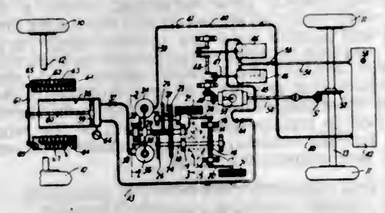
1. In the polishing of hardenable stainless steel containing about 10% to 35% chromium, about 0.25% to 1.2% carbon, and the remainder essentially iron, the art which comprises subjecting the hardenable steel to anodic electrolytic treatment in a bath including by weight at least about 50% but not more than about 70% concentrated ortho-phosphoric acid (sp. gr. 1.7), at least about 10% but not more than about 30% concentrated sulphuric acid (sp. gr. 1.84), at least one ingredient of the group consisting of about 0.5% to 3.5% methyl alcohol, about 1% to 10% ethyl alcohol, about 1% to 4% methyl amyl alcohol, about 0.25% to 20% isopropyl alcohol, about 5% to 20% propyl alcohol, about 1% to 4% secondary amyl alcohol, about 1% to 20% butyl Carbitol, about 0.25% to 20% butyl alcohol and about 0.5% to 4% octyl alcohol, and any balance substantially all water, at such current density, bath temperature and period of time as to achieve a lustrous polish.

7. An electrolytic solution for polishing stainless steel products, said solution consisting by weight of at least about 50% but not more than 70% ortho-phosphoric acid (sp. gr. 1.7), about 10% to 30% concentrated sulphuric acid (sp. gr. 1.84), at least one ingredient of the group consisting of about 0.5% to 3.5% methyl alcohol, about 1% to 10% ethyl alcohol, about 1% to 4% methyl amyl alcohol, about 0.25% to 20% isopropyl alcohol, about 5% to 20% propyl alcohol, about 1% to 4% secondary amyl alcohol, about 1% to 20% butyl Carbitol, about 0.25% to 20% butyl alcohol and about 0.5% to 4% octyl alcohol, and any balance substantially all water.

2,461,036
STAINLESS STEEL POLISHING
Irvine C. Clingan, Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation, a corporation of Ohio
No Drawing. Application March 31, 1944, Serial No. 528,959
3 Claims. (Cl. 204—140)

1. In the rapid and continuous production of polished stainless steel wire, rods, sheet and strip having about 10% to 35% chromium, at least about 0.25% carbon and the remainder essentially iron, the art which comprises, establishing anodic connection to the said wire, rods, sheet or strip, and lineally moving the same through an acid bath consisting, by weight, of about 50% to 70% concentrated ortho-phosphoric acid (sp. gr. 1.7), about 10% to 30% concentrated sulphuric acid (sp. gr. 1.84), about 1% to 20% diethylene glycol mono-butyl ether, and any remainder substantially all water, while maintaining a current density of at least about 5 amperes per square inch of product surface and a bath temperature between about 125° F. and 165° F.

2,461,037
FLUID POWER MACHINE
James H. Crumble, Brooklyn, N. Y.
Application May 27, 1944, Serial No. 537,595
1 Claim. (Cl. 138—31)

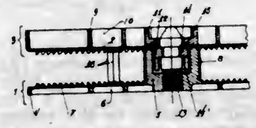


An accumulator comprising a fluid storage cylinder having an opening through the head end thereof, said cylinder having a piston slidable therein, said piston having a rod extending through the rear end of said cylinder, the free end of said rod having a beam secured thereon at right angles thereto, a pair of cylindrical housings mounted adjacent opposite sides of said cylinder with their axes parallel with the axis of said cylinder, said housings being positioned with their rear ends extending beyond the rear end of said cylinder and their front ends positioned intermediate the front and rear ends of said cylinder, pistons slidably mounted in said housings and having piston rods extending beyond the rear ends thereof, said last-named piston rods being secured to the ends of said beam, coiled springs in said housings surrounding said last-named piston rods and positioned between said last-named pistons and the rear ends of said housings, said cylinder being adapted to have a fluid pass through said opening.

2,461,038
CHEMICAL COMPOSITIONS AND THE PREPARATION THEREOF
John W. Cusic, Skokie, Ill., assignor to G. D. Searle & Co., Skokie, Ill., a corporation of Illinois
No Drawing. Application May 15, 1947, Serial No. 748,333
12 Claims. (Cl. 260—570)

1. A tertiary-aliphatic-aminoalkyl ether of a polynuclear carbinol of the group consisting of 9-xanthenol, 10-thiaxanthenol, 9-fluorenol, and 9,10-dihydro-9-anthrol, and salts thereof.

2,461,039
DEVELOPING SPOOL FOR FILMS
Andre Victor Leon Clement Debrie, Paris, France
Application November 1, 1945, Serial No. 626,062
In France January 3, 1945
5 Claims. (Cl. 242—77)



1. Developing spool for film strips of small length, and more particularly for microfilms, comprising in combination a stationary disc, a spiral-shaped groove on said disc, a smooth disc with openings which is also stationary, the film being wound between said first disc and said smooth disc, and combs the teeth of which project through said openings after loading of the film, in order to hold said film between said teeth and the spiral-shaped groove of the first disc.

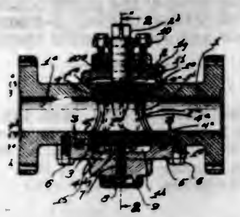
2,461,040
BOTTLE CAP REMOVER
Armand Di Geronimo, Ozone Park, N. Y.
Application December 13, 1945, Serial No. 634,670
1 Claim. (Cl. 81—330)

A bottle cap remover comprising two screws adapted for insertion into a supporting surface, and a jig arranged to properly guide said screws during the insertion thereof, said jig comprising a flat portion having a hole through which one of said screws is inserted to rigidly fasten said flat portion to the supporting surface, a second hole in said flat portion, an inclined portion extending away from said flat portion and in a line adjacent said second hole and having a lip at its outer end at substantially right angles to said inclined portion, said lip extending in the general direction of the first mentioned hole in the flat portion and spaced from said flat portion a distance sufficient to engage the lower edge of the cap to be removed and a hole in said lip which together with said second hole is adapted

to cover the region of the rear metatarsal joints

to guide the other screw during its insertion into said supporting surface the head of said one screw forming an abutment for said cap and cooperating with said lip to locate the bottle cap there between preparatory to its removal, the said other screw having a head engaging the outer surface of said lip to reinforce the same and to resist outward bending of the lip during the cap removing operation.

2,461,041
PLUG VALVE
John R. Donaldson, Ventura, Calif.
Application March 8, 1945, Serial No. 581,578
8 Claims. (Cl. 251—93)



1. In a valve of the class described, a valve body having a fluid conducting passage therethrough and a frusto-conical recess larger than said passage and intercepting the same, a frusto-conical plug rotatably mounted in the recess, the plug having a transverse passage adapted to register with the passage in the body, and an axially removeable frusto-conical sleeve in the recess of the body forming the seat for the plug, there being provided a film of normally semi-viscous material between the sleeve and the wall of the recess for tightly seating and sealing the sleeve within the body and to facilitate removal of the sleeve therefrom.

2,461,042
BOW DRAWING AND RELEASING DEVICE
Frank E. Eicholtz, San Diego, Calif., assignor to Warren Beckwith
Application April 17, 1944, Serial No. 531,355
4 Claims. (Cl. 124—35)

4. In a bow string drawing and releasing device, a body member having an index finger drawing groove on its front end adapted to accommodate the index finger of a person's hand, said body portion having a string engaging ledge adjacent said index finger groove parallel thereto, said body portion having a hand palm engaging portion extending transversely to the engaging surface of said string engaging ledge, said body provided with an arrow receiving groove at one end of said ledge at right angles to said ledge and said index finger drawing groove, said arrow groove being adjacent said index finger groove and permitting an arrow engaging the string on said ledge to be gripped between the thumb and index finger of a person's hand.

2,461,043
PROCESS OF CONDITIONING CELLULOSE ESTER FILAMENTS
John B. Eisen, Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 10, 1944, Serial No. 562,908
3 Claims. (Cl. 117—139.5)

1. The process of conditioning freshly dry spun continuous filaments containing a cellulose organic ester which comprises applying thereto in advance of their first collection, at a room temperature between about 15° C. to about 45° C., a non-volatile, non-aqueous conditioning medium which is liquid throughout said range of room temperature, comprising a solution in a mineral oil vehicle of about 5 to 20% of an ethylene oxide condensation product of a partial higher fatty acid ester of an inner ether of a hexitol and a higher fatty alcohol sulfate in a relatively small proportion compared to the vehicle for imparting antistatic properties to the filaments, and thereafter collecting the filaments by winding.

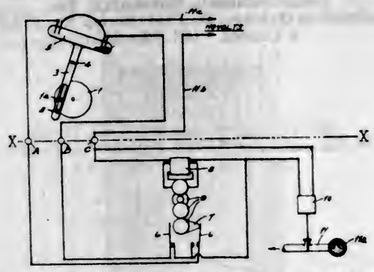
2,461,044
MUD OR SPLASH SHIELD FOR VEHICLES
Robert Ely, San Diego, Calif.
Application September 18, 1945, Serial No. 617,047
3 Claims. (Cl. 280—154.5)

1. In a splash guard securable to the suspension spring on the axle housing of a vehicle, the combination of an arm extending along the side of the vehicle wheel with an end portion bent substantially at a right angle to the remainder thereof in a horizontal plane, a flap of flexible material affixed to and depending from said end portion, said end portion being curved and said flap being concave-convex in transverse section behind the vehicle wheel, and strap clamps folded around said arm and having bolt holes extending through opposite ends thereof adapted to rigidly clamp said arm to the wheel axle housing structure of said vehicle associated with said suspension spring.

2,461,045
AUTOMATIC SAMPLING DEVICE
George C. Fairbairn, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 13, 1947, Serial No. 773,878
7 Claims. (Cl. 73—422)

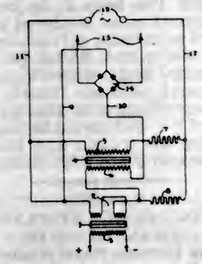
1. An automatic sampling device for use in obtaining samples of a fluid flowing through a pipe line at intervals the frequency of which vary in accordance with the flow rate through said pipe line, comprising a sample draw-off line connected to said pipe line, a valve in said draw-off line, electrical actuating means for said valve, a device responsive to the flow through said pipe line, a source of electricity, a pair of electrical circuits connected to said valve actuating means, a primary timing device actuated by said flow responsive device for connecting said source alternately

first to one and then to the other of said circuits and a secondary timing device for opening the



closed circuits at predetermined intervals after they are closed by said primary timing device.

2,461,046
MAGNETIC AMPLIFIER SYSTEM
Alan S. Fitz Gerald, Wynnewood, Pa.
Application May 3, 1946, Serial No. 666,867
13 Claims. (Cl. 323—60)

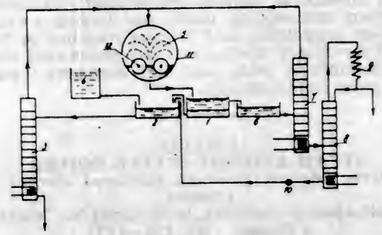


1. A magnetic amplifier comprising, in combination: a variable reactance device; a transformer having primary and secondary windings; said variable reactance device and said transformer primary being serially connected in a closed circuit containing a pair of additional impedances; an alternating current energizing circuit extending from a point between said reactance device and said transformer primary to a point between said additional impedances; and an output circuit including said variable reactance device and said transformer secondary in series.

2,461,047
FOOTPAD
Benjamin D. Freedman, Winthrop, and Samuel Freedman, Brighton, Mass.
Application April 28, 1945, Serial No. 590,944
2 Claims. (Cl. 128—153)

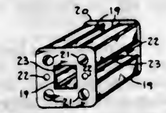
1. A callous pad to be used under the bottom of the foot but free therefrom having a shape to cover the region of the rear metatarsal joints of the foot and part of the front metatarsal joints, said callous pad comprising a thickness of soft felted material, a cover element covering the felted material, a pair of flexible tape members fixed between the cover and the felted material in face contact with the cover and extending outwards from the end of the pad in the direction of the toes, said pad adapted to be placed with the cover next to the bottom of the foot whereby the tapes extend from the cover near the toe junctions and may be drawn between the toes and tied over the same.

2,461,048
METHOD FOR SEPARATING AQUEOUS AZEOTROPIC MIXTURES
Jean Léon Maurice Fréjacques, Paris, France, assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camargue, Paris, France, a corporation of France
Application April 24, 1945, Serial No. 590,107
In France February 19, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 19, 1962
5 Claims. (Cl. 202—57)



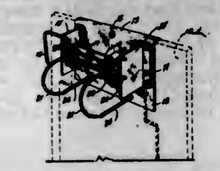
1. The method of treating the azeotropic mixtures of water with a compound taken from a group consisting of methylethylketone, propyl alcohol, isopropyl alcohol and acetonitrile, which comprises treating such an azeotropic mixture with ammonium carbonate, separating by decantation the two layers thus formed and distilling said layers separately to extract on the one hand the two components of the initial azeotropic mixture in the pure state and on the other hand carbon dioxide and ammonia.

2,461,049
BICYCLE PEDAL
Robert J. Gamble, Milwaukee, Wis.
Application October 30, 1947, Serial No. 783,073
4 Claims. (Cl. 74—594.4)



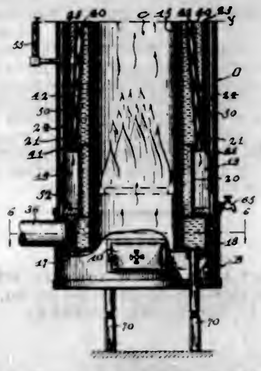
3. A pedal for bicycles and the like comprising a main frame, including a pair of parallel cross-arms and an elongated supporting member extending therebetween, an auxiliary frame, including a pair of end plates, four elongated tread blocks extending between said end plates, and bolts extending through said tread blocks and end plates to form a rigid unit, and bolts extending through said cross-arms and through said end plates for securing said auxiliary frame to said main frame.

2,461,050
LOOSE-LEAF BINDER
Joseph A. Gibson, Kimball, Nebr.
Application September 21, 1945, Serial No. 617,829
3 Claims. (Cl. 129—11)



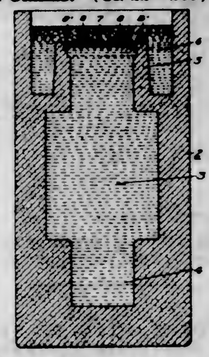
2. A loose leaf binder comprising: a base plate; leaf-receiving posts projecting from said plate; a pair of spaced bearing plates projecting from said plate; a rotatable channel member extending between said plates; pivot pins projecting from the extremities of said channel member through said bearing plates, said pins being placed adjacent one longitudinal edge of said channel member; arch members projecting from the other longitudinal edge of said channel member in alignment with said posts; a locking member having perforations slidably receiving said arch members; and a crank shaft extending between said bearing plates and having a crank portion supporting said locking member so that rotation of said crank shaft will cause said locking member to swing said arch members toward and away from said posts.

2,461,051
STEAM AND HOT-WATER BOILER
Hervé Adelard Girouard, Montreal, Quebec, Canada
Application October 31, 1946, Serial No. 706,887
5 Claims. (Cl. 122—182)



5. In a boiler, a combustion chamber, a water jacket surrounding said chamber having a perimetric recess intermediate the length thereof, flue pipes extending longitudinally through said jacket in communication at one end with said chamber and at the other end with said recess, a casing spacedly enclosing said jacket and chamber to form a concentric smoke flue, a ring plate between the casing and the jacket closing the space therebetween adjacent the recess, and a plurality of closely spaced parallel tubes open to the atmosphere near one end of the casing and extending longitudinally inside the same and outside the water jacket and penetrating through the said ring plate for admitting preheated air of combustion to said chamber.

2,461,052
METHOD OF CASTING
John Gombosh, Pittsburgh, Pa.
Application October 21, 1944, Serial No. 559,763
4 Claims. (Cl. 22—200)



2. The method of casting large metal bodies which comprises forming the top of the mold cavity in which the body is to be cast with a portion of reduced cross sectional area, the portion of reduced area being surrounded by a trough for receiving the metal, filling the mold cavity with molten metal and overflowing dross and impurities into said annular trough, interrupting the pouring operation and placing a separator plate on top of the cast metal in the mold cavity, and then filling the trough and the mold cavity above the separator plate with molten metal.

2,461,053
ALTERNATING CURRENT SYNCHRONOUS TRANSMISSION
Elie Granat, Paris, France
Application January 20, 1948, Serial No. 3,188
7 Claims. (Cl. 318—24)

1. In an alternating-current synchronous electric transmission, a metallic hoop mounted round the rotor of each of the receivers connected in parallel to form a magnetic screen between the stator and rotor windings of each of the said receivers.

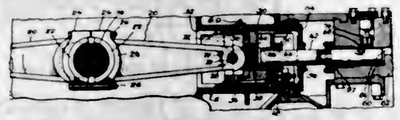
2,461,054
PLANT LABEL MOUNT
Beulah Miller Green, San Francisco, Calif.
Application September 1, 1944, Serial No. 552,224
3 Claims. (Cl. 40—10)

1. A plant label mount comprising a flattened tube of transparent material having an end portion folded over upon itself, the folded over portion having a pair of slots disposed therein, the opposite end of the tube also having a pair of similar slots, said slots being alined to receive a flat supporting stick.

2,461,055
CHAIR
Meyer Greitzer, Los Angeles, Calif.
Application June 30, 1945, Serial No. 602,531
6 Claims. (Cl. 155—194)

1. The combination with a chair including upstanding chair back supporting members, of a chair back comprising a frame, pins depending from the lower edge of said frame for engagement in said upstanding supporting members, braces within said frame, front and back panels for said back frame and hooks carried by said panels for engaging said braces to hold said panels on said chair back frame.

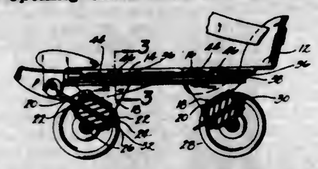
2,461,056
CONNECTING ROD AND PLUNGER CONNECTION
Reiza J. Hess, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 29, 1943, Serial No. 480,888
11 Claims. (Cl. 74—44)



1. In a device of the class described a frame, a crosshead slidably guided by said frame, a reciprocal connecting rod pivotally connected to said crosshead, a plunger actuated by said rod and having a portion in complementary arcuate thrust engagement therewith, and resilient means reacting against said crosshead and said plunger for maintaining the latter in tight engagement with said rod.

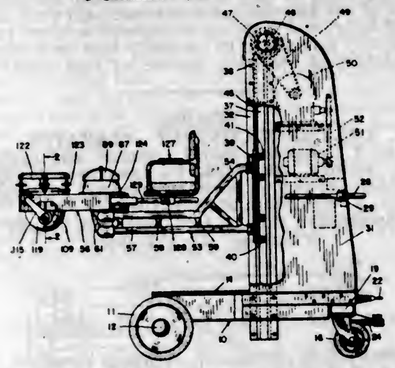
2,461,057
SKATE
Arthur Hirschman, Miami Beach, Fla.
Application January 31, 1947, Serial No. 725,602
3 Claims. (Cl. 280—11.27)

3. In a roller skate, a roller wheel supporting bracket composed of sheet metal bent into a tubular structure of substantially rectangular cross section and providing a pair of parallel side walls connected at the bottom by an inclined supporting wall and at the top by a horizontal supporting wall, said inclined bottom wall provided with downwardly turned fore and aft axle supporting ears for supporting a roller wheel axle assembly, and said horizontal top wall having the central longitudinal section thereof deformed to provide a depressed upwardly opening channel extending normally to



the roller axis of the axle assembly, the opposite side walls of the channel being spaced inwardly from the side walls of the bracket and extending vertically for the major portion of their height.

2,461,058
CAMERA DOLLY
Herbert W. Houston, Sherman Oaks, Calif., assignor to The Houston Corporation, Los Angeles, Calif., a corporation of California
Application March 1, 1947, Serial No. 731,880
6 Claims. (Cl. 248—129)



1. A motion picture camera dolly comprising a base, pivoted camera and cameraman support means pivotally mounted on the forward end of said base, controlled brake means operatively mounted between said pivoted support means and said base, differential drive means mounted to operate between the pivoted support means and said base, a pair of pedals pivotally connected to said differential drive means, and resiliently actuated friction drive means interconnecting said pedals in driving relation to said differential means, for controlled pivotal movement of said pivoted support means on an actuation of said pedals.

2,461,059
CHUCK
Norman H. Iversen, Birmingham, Mich., assignor to Production Broaching Corporation, a corporation of Delaware
Application April 11, 1945, Serial No. 587,666
2 Claims. (Cl. 279—82)

1. A chuck comprising a body member having a tool receiving socket in one end, tool locking means carried by said body member, means comprising a sleeve slidably mounted on the body member for actuating said locking means, an annular shield of greater diameter than the sleeve attached to the tool receiving end of said body member and overlying the adjacent end of

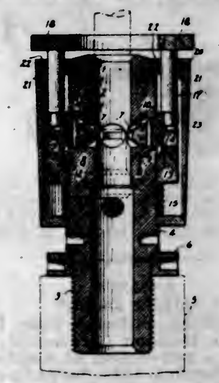
the sleeve, said shield having axial openings

of the energy supplied to said control conductors

aligned sheet openings and the peripheral edges

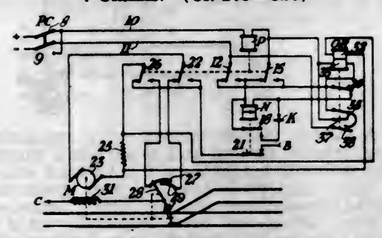
converting said synthesis gas into hydrocarbons and hydrocarbon derivatives by contact with a

the sleeve, said shield having axial openings aligned with the sleeve and a tubular skirt portion enclosing the sleeve, axially extending pins extending from said sleeve through said openings,



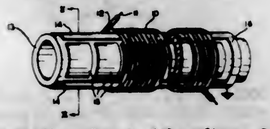
a disc fixed to said body and closing the inner end of the annular space between said skirt and said body, and a spring interposed between said disc and said sleeve to normally hold said sleeve against said overlying portion of said shield.

2,461,060
POLARIZED CONTROL APPARATUS
Allan T. Johnston, Mount Lebanon, and Arthur L. Jerome, Edgewood, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 31, 1946, Serial No. 687,482
7 Claims. (Cl. 175—320)



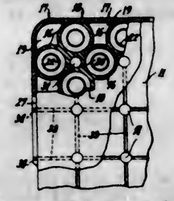
1. In combination, a pair of control conductors to which energy of one polarity is supplied at times and to which energy of the other polarity is supplied at other times, a polarized relay having one terminal of its winding connected to one of said control conductors, an auxiliary relay having normally released contacts which become picked up when and only when energy flows through the relay winding from its first to its second terminal, an asymmetric unit connected across the winding of the auxiliary relay by a back contact of said auxiliary relay and poled to permit energy to flow from the second to the first terminal of said winding, and means governed by polar contacts of said polarized relay for reversibly connecting the auxiliary relay winding and said asymmetric unit in multiple between the other terminal of the polarized relay winding and the other one of said control conductors, said means being arranged so that energy from said control conductors flows through the winding of said auxiliary relay from its first to its second terminal when and only when the position of the contacts of said polarized relay and the polarity of the energy supplied to said control conductors are in correspondence, said polarized and auxiliary relays being selected so that the contacts of the polarized relay will not be operated between their two positions in response to energy of the value supplied to the relay winding through the winding of said auxiliary relay but will be operated by energy of the value supplied through said asymmetric unit, and a circuit governed by a front contact of said auxiliary relay and by a polar contact of said polarized relay.

2,461,061
EQUALIZED DELAY LINE
Heinz E. Kallmann, New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application February 7, 1946, Serial No. 646,163
6 Claims. (Cl. 178—44)



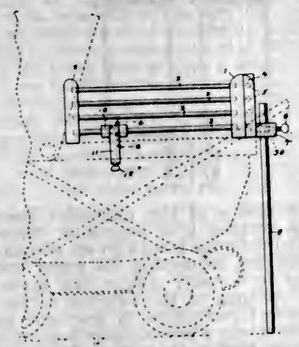
1. Compensation for a delay line of the distributed parameter type, said delay line including a helical coil of a conductor and means for providing distributed capacity between said coil and ground, said compensation comprising a plurality of insulatively mounted conducting patches, said patches capacitively coupling a number of turns of said coil of said delay line.

2,461,062
SANITARY MATTRESS
Catherine B. Kane, Greenwich, Conn.
Application October 21, 1946, Serial No. 704,709
1 Claim. (Cl. 5—353)



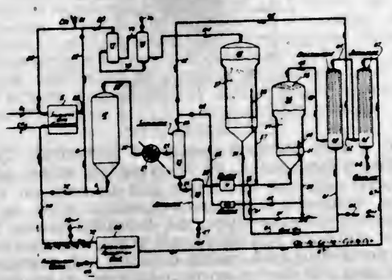
A mattress comprising a pair of resilient flat sheets mounted one upon the other and having a plurality of mutually aligned vertical openings therethrough, a pair of members of waterproof material mounted one on the upper of said sheets and the other against the lower of said sheets, said members having a plurality of spaced cylindrical walls formed therein, said cylindrical walls of one of said members being in vertical alignment with said walls of the other member, coiled springs mounted within said cylindrical walls, aligned vertical openings through said members in alignment with said aligned openings through said sheets, and a cover of waterproof material enclosing said mattress, said cover having openings therethrough in alignment with said aligned vertical openings, the mutually juxtaposed surfaces of said sheets having complementary semi-cylindrical channels therein extending between the opposed peripheral edges [illegible] sheets and intersecting said aligned sheet openings thereby providing cylindrical passages communicating between said aligned sheet openings and the peripheral edges of said sheets, said cover having openings in the side and end walls thereof in alignment with the outer extremities of said passages at the peripheral edges of said sheets, said cover having openings through the top and bottom walls thereof in alignment with said aligned vertical openings of said members.

2,461,063
GUARDRAIL FOR PERAMBULATORS
Samuel Karson, Cleveland, Ohio
Application February 12, 1947, Serial No. 728,181
4 Claims. (Cl. 296—36)



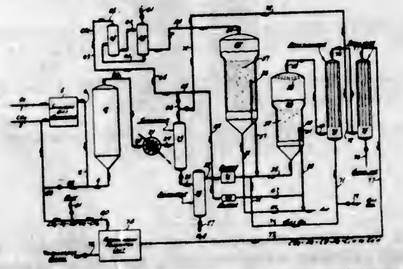
1. In an attachment for a perambulator, front end posts and rear end posts on each side of the attachment, side bars supported by said posts, blocks attached to the rear posts, rear rods passing through said blocks, a vertical block at the rear through which the rear rods pass, a block secured to the vertical block and having a hole, a staff passing through the hole, a wing bolt for holding the staff in the block, and means for clamping the lowermost side bars to a perambulator.

2,461,064
METHOD OF MANUFACTURING MOTOR FUEL
Lebbeus C. Kemp, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 20, 1945, Serial No. 623,475
6 Claims. (Cl. 260—449.6)



1. In a catalytic conversion of a mixture of carbon monoxide and hydrogen into liquid hydrocarbons of high octane rating, the steps which comprise preparing synthesis gas comprising hydrogen and carbon monoxide in a gas generation zone by the oxidation of carbonaceous material, converting said synthesis gas into hydrocarbons and hydrocarbon derivatives by contact with a synthesis catalyst under conversion conditions of temperature and pressure, separating the reaction products into a normally liquid fraction and a normally gaseous fraction, continuously passing the liquid fraction in contact with a mass of finely divided, solid, hydrocarbon-conversion catalyst maintained at a temperature effective for catalytically cracking hydrocarbons, continuously discharging products of cracking from the cracking zone, continuously removing from the cracking zone used catalyst, subjecting removed catalyst to contact with an oxidizing gas in a zone of reactivation to effect combustion of carbonaceous material contained in the catalyst, thereby forming a flue gas containing carbon dioxide, separating carbon dioxide from said flue gas, subjecting said used catalyst prior to said combustion to contact with a stripping gas comprising a portion at least of the gaseous effluent from the catalytic conversion of carbon monoxide and hydrogen, in a stripping zone under conditions effective to strip adsorbed hydrocarbons from said catalyst, passing said stripping gas and resulting desorbed hydrocarbons from the stripping zone to said cracking zone, subjecting the combined products from the cracking zone to a separation process effective to recover normally liquid hydrocarbon products of reaction and deliver a normally gaseous stream containing the normally gaseous products from said cracking zone, supplying a substantial portion of said normally gaseous stream to said gas generation zone for the production of additional synthesis gas by the oxidation of carbonaceous materials therein, utilizing said additional synthesis gas in the production of additional hydrocarbons, and adding a second portion of said normally gaseous stream together with a portion at least of the said carbon dioxide separated from said flue gas, to the synthesis gas subjected to contact with said synthesis catalyst.

2,461,065
METHOD OF MANUFACTURING MOTOR FUEL
Lebbeus C. Kemp, Jr., Scarsdale, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 20, 1945, Serial No. 623,476
6 Claims. (Cl. 260—450)



1. In the catalytic conversion of a mixture of carbon monoxide and hydrogen into liquid hydrocarbons of high octane rating, the steps which comprise preparing synthesis gas comprising hydrogen and carbon monoxide in a synthesis gas generation zone by the oxidation of carbonaceous material, converting said synthesis gas into hydrocarbons and hydrocarbon derivatives by contact with a synthesis catalyst under conversion conditions of temperature and pressure, separating the reaction products into a normally

liquid fraction and a normally gaseous fraction,

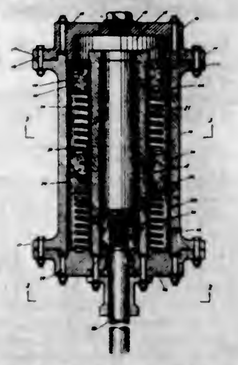
2,461,067
LIQUID FERTILIZER APPARATUS

space between the side walls of said partition means and said casing defines an annular

amino groups comprising reacting an alkaline dispersion of the protein with an alkylene oxide, thence adding the formaldehyde to the resulting

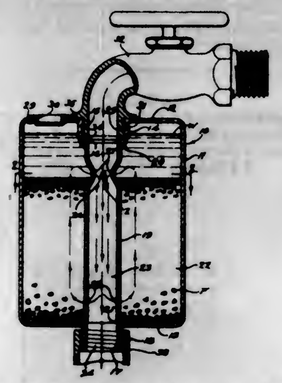
liquid fraction and a normally gaseous fraction, continuously passing the liquid fraction in contact with a mass of finely divided solid, hydrocarbon-conversion catalyst maintained at a temperature effective for catalytically cracking hydrocarbons, continuously discharging products of cracking from the cracking zone, continuously removing from the cracking zone used catalyst, subjecting removed catalyst to contact with an oxidizing gas in a zone of reactivation to effect combustion of carbonaceous material contained in the catalyst, thereby forming a flue gas containing carbon dioxide, separating carbon dioxide from said flue gas, subjecting said used catalyst prior to said combustion to contact with a stripping gas comprising a mixture of said separated carbon dioxide and a portion at least of the gaseous effluent from the catalytic conversion of carbon monoxide and hydrogen, in a stripping zone under conditions effective to strip adsorbed hydrocarbons from said catalyst, passing said stripping gas and resulting desorbed hydrocarbons from the stripping zone to said cracking zone, subjecting the combined products from the cracking zone to a separation process effective to recover normally liquid hydrocarbon products of reaction and deliver a normally gaseous stream containing the normally gaseous products from said cracking zone, supplying a substantial portion of said normally gaseous stream to said gas generation zone for the production of additional synthesis gas by the oxidation of carbonaceous materials therein, utilizing said additional synthesis gas in the production of additional hydrocarbons, and adding a second portion of said normally gaseous stream to the synthesis gas subjected to contact with said synthesis catalyst.

2,461,066
SHOCK ABSORBER
Henry John Kent, Toronto, Ontario, Canada
Application February 3, 1945, Serial No. 575,957
3 Claims. (Cl. 267—34)



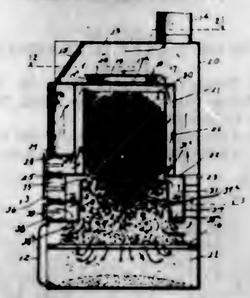
1. In shock absorbers, an outer cylinder, an inner cylinder, a cap enclosing said outer cylinder at one end thereof, a cover enclosing said outer and inner cylinders at the opposite end thereof, cylindrical members providing a cushioning means and located between said outer and inner cylinders, resilient springs encircling said inner cylinder and engaging with said cylindrical members, a piston located in said inner cylinder, a shaft secured to said piston, a fluid passage connecting the fluid chamber in said inner cylinder with the annular space formed between the latter and said outer cylinder.

2,461,067
LIQUID FERTILIZER APPARATUS
Richard O. Lewis, Los Angeles, Calif.
Application April 23, 1945, Serial No. 589,908
7 Claims. (Cl. 299—83)



1. In a device of the character described, a casing, a vertical tube extending through said casing and defining therewith an annular chamber, means for connecting the upper end of the tube bore to a water supply, the lower end of the tube opening to the exterior of the casing, a diametrical restriction in the tube bore and adapted to create a low pressure zone in said bore when water courses therethrough, there being a port near the restriction and opening from the chamber to the low pressure zone of the tube bore, and there being a port below the first mentioned port and opening from the tube bore to said chamber.

2,461,068
DOWNDRAFT STOVE
Lee Lockwood, Des Moines, Iowa
Application August 29, 1942, Serial No. 456,619
1 Claim. (Cl. 126—76)



In a fuel burning heater of downdraft type having a housing, a grate extended across said housing adjacent the lower end thereof, an upright vertically elongated casing carried in a spaced relation within said housing having its lower end open and above said grate, with the upper portion of said casing defining a fuel magazine and the lower portion thereof a combustion chamber, partition means having side walls supported in a spaced relation between said casing and said housing such that the space between said partition means and said housing is open to the space above said grate to constitute a passage for flue gases, and the space between the side walls of said partition means and said casing defines an annular air chamber whereby said air chamber is in a heat exchange relation with the casing and said partition means to provide for a heating of the air therein, a top wall for said partition means positioned horizontally above said casing and formed with a fuel inlet which is open to the upper end of said casing, a cover for said fuel inlet, with said cover and top wall of the partition means constituting a closure for the upper end of said air chamber, said partition means having the lower end thereof terminating substantially at the lower end of said casing, a perforated bottom wall connected between the lower ends of said casing and said partition means, with said casing having its upper end open to said air chamber and being formed with peripheral air openings therein at a first position adjacent its lower end and at a second position spaced from said lower end whereby a first portion of air from said air chamber is admitted into said casing through the upper end thereof, a second portion of air through said air openings, and a third portion of air through the perforations in said bottom wall into the space above said grate, an air inlet means for said air chamber, and means for directing the air flowing through said air inlet means into said air chamber such that said first portion of air enters the air chamber at a position spaced below the upper end of said casing and above the air openings in said second position prior to the admission thereof into the upper end of said casing, with said first and second portions of air, on admission thereof into said casing, being moved downwardly through the casing into the space above said grate and then into said flue passage with said third portion of air, by the draft in said heater.

2,461,069
SIMULTANEOUS CATALYTIC CRACKING AND DESULFURIZATION OF HYDROCARBONS
Milton M. Marisic, Woodbury, and Arthur C. Schmitt, Wenonah, N. J., and Frederick C. Frank, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 10, 1944, Serial No. 539,790
4 Claims. (Cl. 196—52)

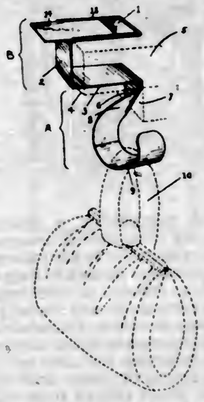
1. A process for simultaneous cracking and desulfurization of a high sulfur-content petroleum hydrocarbon stock, which includes the step of contacting vapors of said stock, in the absence of hydrogen, at catalytic cracking conditions of temperature and pressure with a three-component dried synthetic gel type catalyst consisting of a major proportion of silica, a minor proportion of alumina and approximately 0.5 per cent by weight of ferric oxide.

2,461,070
PROCESS TO PRODUCE A STABILIZED PROTEIN-FORMALDEHYDE DISPERSION
Leonard L. McKinney, Peoria, Ill., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Continuation of application Serial No. 443,319, May 16, 1942. This application November 26, 1946, Serial No. 712,337
6 Claims. (Cl. 106—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process for preparing a stable dispersion of formaldehyde and a protein containing free amino groups comprising reacting an alkaline dispersion of the protein with an alkylene oxide, thence adding the formaldehyde to the resulting dispersion.

5. A stable protein-formaldehyde dispersion comprising a mixture of formaldehyde and the reaction product of an alkylene oxide and milk casein in which the reaction between alkylene oxide and protein is carried out in an alkaline medium.

2,461,071
HANDBAG HOLDER OR THE LIKE
Michael W. Mettenleiter, New York, N. Y.
Application September 25, 1946, Serial No. 699,162
1 Claim. (Cl. 248—227)



As an article of manufacture, a handbag holding device comprising a section of resilient sheet material bent to form a C clamp having a top and bottom portion adapted to receive a projecting table edge between them, said bottom portion having a portion continuous with the end thereof, said continuous portion bent downwardly and rearwardly with respect to the end of the said bottom portion and twisted and bent to form a hook member set at right angles to the said C clamp.

2,461,072
METEOROLOGICAL BALLOON OR SIMILAR ARTICLE AND METHOD OF MAKING THE SAME
Donald J. Miller, Akron, Ohio, assignor to American Anode Inc., Akron, Ohio, a corporation of Delaware
Application January 27, 1945, Serial No. 574,915
7 Claims. (Cl. 244—31)

6. A rubber meteorological balloon or similar hollow rubber article comprising a body-member and an auxiliary inflation tube member, the body-member comprising an integral seamless thin-walled rubber balloon envelope of relatively large cross-sectional dimension terminating in an integral seamless tubular neck of a substantially smaller cross-sectional dimension but permissive of form removal, the auxiliary inflating tube member comprising a one-piece seamless tubular

rubber member having one end of substantially the same cross-sectional dimension as the neck

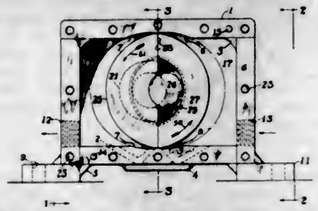
2,461,075
PRESSURE RESPONSIVE INDICATING DEVICE

pressure exists in said lubrication system, and means controlled by said high resistance coil to lock said normally closed switch in open position

carried by and coaxial with the lower end portion of the shaft, drive motor means operatively connected with the shaft, an agitator secured to the

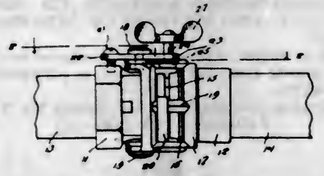
rubber member having one end of substantially the same cross-sectional dimension as the neck of the body-member and the other end thereof of a smaller dimension, the correspondingly-sized ends of the two members being joined in rolled adhesive relation, the smaller end of the inflating tube member extending in an outward direction away from said body-member.

2,461,073
MECHANISM APPLICABLE TO ROTARY PUMPS, MOTORS, ETC.
Reginald F. Moulton, Canton, Ohio
Application August 30, 1943, Serial No. 500,501
10 Claims. (Cl. 103—129)



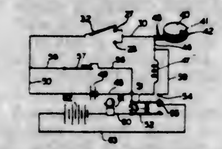
5. Mechanism comprising a casing, arcuate bores in the casing intersecting eccentrically with each other and which form an interial chamber in said casing, bearings in said casing which open into said chamber, certain of said bearings being concentric with certain of said arcuate bores, certain other of said bearings concentric with certain other of said arcuate bores, the axes of said bearings being laterally parallel and positioned relatively close together such that the bearing contours overlap when viewed from either lateral side of said casing and come into line when viewed from either end of said casing, openings which communicate said chamber with the exterior of said casing.

2,461,074
HOSE COUPLING
Guy K. Mozingo, Ashtabula, Ohio, assignor of twenty-five per cent to Orville T. Olden and twenty-five per cent to Robert Logston, both of Ashtabula, Ohio
Application October 19, 1945, Serial No. 623,272
2 Claims. (Cl. 285—170)



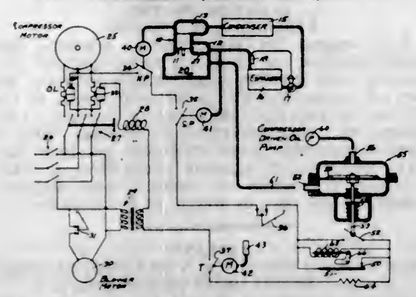
1. A hose coupling comprising a male member and a female member, a rib on the female member, a pair of gripping jaws hingedly mounted on the male member and adapted to be moved toward one another for engaging said rib and connecting said male and female member and away from one another for releasing said rib and disconnecting said members, yieldable means urging the jaws toward one another, a key mounted on the male member between said jaws and in one position providing for movement of the jaws into rib-engaging position and in another position actuating the jaws to rib-releasing position, and means for actuating the key.

2,461,075
PRESSURE RESPONSIVE INDICATING DEVICE
William E. Naylor, Ridgefield Park, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
Application October 12, 1945, Serial No. 622,024
1 Claim. (Cl. 177—311)



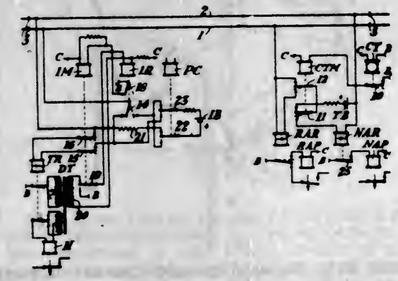
A pressure responsive device comprising, a pressure responsive member adapted to be actuated by varying pressures, a shaft adapted to be oscillated by said member, a wiper arm on said shaft, at least two electrical contacts spaced apart from each other adapted to be engaged by said wiper arm upon movement by said shaft, the spacing of said contacts being representative of different pressure conditions; an insulation disc rotated by said shaft, the angular displacement of said disc being greater than the angular displacement of said shaft by said members; an electrical conducting insert in said disc close to peripheral edge thereof, two peripheral grooves in said disc to expose two segments of said insert, a pair of brushes cooperating with said grooves adapted to engage simultaneously the exposed segments of said insert, an electrical circuit including said contacts, wiper arm, insert and brushes; a relay coil in said circuit adapted to be energized upon concurrent engagement of at least one of said contacts by said wiper arm and said insert by both of said brushes, and means actuated by the energized relay coil to indicate a pressure condition represented by the contact engaged by said wiper arm.

2,461,076
OIL PRESSURE SAFETY CONTROL
Charles R. Neeson, Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application March 20, 1946, Serial No. 655,874
8 Claims. (Cl. 230—206)



1. In a refrigerant compressor mechanism having a pressure lubrication system; a control system for said mechanism comprising a normally closed switch, a normally open switch in parallel therewith, a high resistance induction coil in parallel with said switches, a time-delay device for opening said normally closed switch a short time after current flows through the control system, a pressure-responsive device for closing said normally open switch as long as sufficient pressure exists in said lubrication system, and means controlled by said high resistance coil to lock said normally closed switch in open position if the pressure falls below a predetermined minimum.

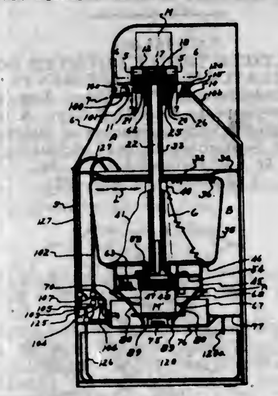
2,461,077
CODED SIGNALING SYSTEM
Frank H. Nicholsen, Penn Township, Allegheny County, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 25, 1947, Serial No. 724,382
20 Claims. (Cl. 246—38)



2. In a coded signaling system, in combination, a first and a second conductor over which at times are supplied impulses of energy of the polarity in which the second conductor is positive with respect to the first conductor, a code following relay having a contact which is moved from a second to a first position when and only when energy flows through the relay winding from the second to the first terminal thereof, a source of direct current, a pole changing relay having contacts which at times occupy a first position and at other times occupy a second position, a movable contact which is recurrently operated between a first and a second position, said movable contact being effective when in its first position to establish a circuit for connecting the winding of said code following relay across said conductors with the first terminal of said winding connected to said first conductor, said movable contact being effective when in its second position and the contacts of said pole changing relay are in their first position to establish a circuit independent of the winding of said code following relay for connecting said source of direct current across said conductors with the positive terminal thereof connected to said first conductor, said movable contact being effective when in its second position and the contacts of said pole changing relay are in their second position to establish a circuit including in series therewith the winding of said code following relay for connecting said source of current across said conductors with the positive terminal of said source connected to said second conductor.

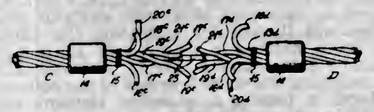
2,461,078
CLOTHES WASHING AND EXTRACTING MACHINE
Herbert E. Page, Alhambra, Calif.
Application July 11, 1944, Serial No. 544,347
6 Claims. (Cl. 68—23)

1. Washing apparatus comprising a casing, a drive shaft vertically disposed axially of the casing, means rotatably and resiliently suspending the shaft from the upper portion of the casing for lateral movement in the casing, a wash basket carried by and coaxial with the lower end portion of the shaft, drive motor means operatively connected with the shaft, an agitator secured to the shaft, a second motor disposed axially with the lower end of the shaft, means operatively connecting the second motor to the shaft, said means including a clutch permitting rotation of the second motor relative to the shaft in one direction,



means suspending the second motor from the basket, liquid-containing cups arranged symmetrically around the second motor, means responsive to lateral movement of the shaft to selectively release liquid from the cups, and means causing the second motor to operate in a direction reverse to the first-mentioned motor when the shaft is being rotated by the first-mentioned motor.

2,461,079
WIRE ROPE SPLICE
Vincent C. J. Peterson, York, and Harold M. Wilson, Bear Creek, Pa., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application February 10, 1948, Serial No. 7,406
4 Claims. (Cl. 57—142)



1. A splice for two rope ends comprising a laid inner portion of the same diameter as the rope ends and composed partly of strands of one rope end and partly of strands of the other rope end, an outer portion composed of strands lying in the valleys of the inner portion, said outer portion composed partly of strands of one rope end and partly of strands of the other rope end, and means forcing the outer strands into the valleys for part of their length.

2,461,080
ANTIOXIDANT FOR FATS
Michael M. Piskur and James W. Higgins, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application June 9, 1945,
Serial No. 598,628
6 Claims. (Cl. 99—163)

1. The method of stabilizing animal fats against rancidity which comprises adding thereto

a small but effective amount of the comminuted

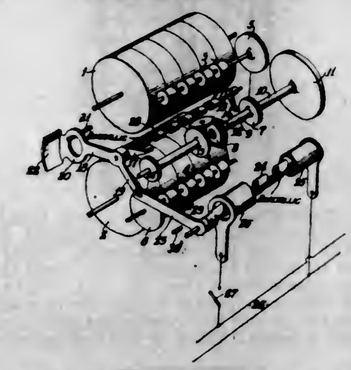
thereof relatively thin and another wall thereof

and back members adapted to rest adjacent each other when said clip is in latched position and

base including posts rising from said base, upper and lower crossheads slidable vertically on said

a small but effective amount of the comminuted fibrous portion of a citrus fruit, heating the mixture at a temperature of between about 100° C. and 200° C. for a time period sufficient for the fat to extract the antioxidant material from the fibrous portion of the citrus fruit and thereafter separating the spent fibrous portion of the citrus fruit from the treated fat.

2,461,081
MULTIPLE TARIFF COUNTER FOR MEASURING INSTRUMENTS
Richard Pudelko and Paul Moos, Zug, Switzerland, assignors to Landis & Gyr, A. G., Zug, Switzerland, a body corporate of Switzerland
Application September 23, 1943, Serial No. 503,469
In Switzerland July 7, 1942
3 Claims. (Cl. 235—92)

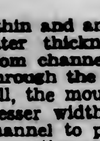


3. In a multiple rate meter, two counting trains, a driving gear for each train, a differential gearing having a planetary gear and two sun gears, means for coupling each driving gear to a sun gear to form two coupled units, means for driving said planetary gear in accordance with metered power, a rock shaft, a detent for each driving gear rigidly mounted on said rock shaft and being arranged so that only one detent can engage its driving gear at one time, a bell-crank carried by said rock shaft and carrying means at one end thereof for indicating the effective rate being metered, a second rock shaft having an arm rigidly coupled thereto, said last-named arm engaging the other free end of the bell-crank to form a toggle, a bi-metal element coiled around said second rock shaft and coupled thereto so that said second rock shaft may be turned one way or the other depending upon the condition of said bi-metal element, switch controlled heating means for controlling the condition of said bi-metal element thereby to select the detent for engaging its driving gear and a second bi-metal element coiled around the first rock shaft and secured thereto with said second bi-metal element being exposed to normal temperature conditions to compensate against varying atmospheric temperatures.

2,461,082
FURNITURE
Edward A. Purnell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application March 5, 1945, Serial No. 580,980
1 Claim. (Cl. 155—194)

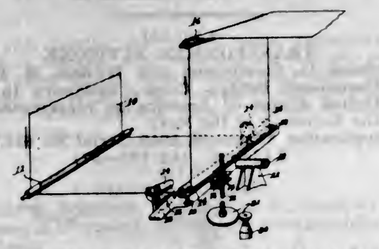
An article of metallic furniture including a tubular metallic element having certain walls thereof relatively thin and another wall thereof of materially greater thickness and provided with a closed-bottom channel having a mouth portion opening through the outer face of said last-mentioned wall, the mouth portion of said channel being a lesser width than the bottom portion of said channel to provide lips at the sides of said mouth portion overhanging the bottom side portions of said channel, and an ornamental strip disposed in said channel, opposite side portions of said strip being disposed in opposite side portions of said channel beneath and in contact with said lips and at least a portion of the bottom of said strip being in contact with the bottom wall of said channel, whereby said strip is retained securely in said channel, the outer face of said strip being exposed and serving in effect as a continuation of the outer face of the wall having said channel therein.

2,461,083
CLIP
Richard L. Rank, St. Louis, Mo.
Application February 21, 1944, Serial No. 523,242
7 Claims. (Cl. 24—250)



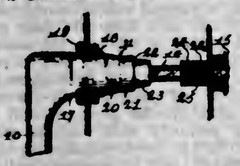
7. In a clip, a front member, a back member, a latch member, said front member having a main body with a transverse slot therein and including side flanges, said back member being bifurcated and including two arms bent back upon themselves, each arm including a lateral extension, means associated with the side flanges of said front member and pivotally engaged by the back member at the bend of its two arms, said latch member comprising a resilient strap bent back upon itself and including a looped end pivotally engaging said lateral extensions, the other end of said latch member extending through the transverse slot in said front member and engaging the edge thereof remote from the pivot bosses of said front member, the relationship of said remote edge, said pivot bosses and said pivot lateral extensions being such that an over-center action obtains between said latch member and said remote edge to provide a latching and holding action and a release action, and opposed clamping prongs near the free ends of said front and back members adapted to rest adjacent each other when said clip is in latched position and to be remote from each other when said clip is in unlatched position.

2,461,084
WEFT-STRAIGHTENING APPARATUS
John D. Robertson, Taunton, Mass., assignor to Mount Hope Machinery Company, Taunton, Mass., a corporation of Massachusetts
Application January 15, 1945, Serial No. 2,293
14 Claims. (Cl. 26—51)



1. In a weft-straightening apparatus, a frame, a web-engaging member having opposite end portions mounted on said frame, means at a mid-location along the frame in the general direction of extent of said member pivotally supporting the frame for movements of the opposite ends of said member in opposite directions away from a predetermined plane, and means carried on said frame for engaging opposite edge portions of a web approaching said web-engaging member and adapted to hold the opposite edge portions of the web against slippage on said member when the opposite ends of said member are moved in opposite directions away from said predetermined plane.

2,461,085
REPLACEMENT DOOR HANDLE
Louis P. Roy, Montreal, Quebec, Canada
Application November 14, 1945, Serial No. 628,578
2 Claims. (Cl. 292—347)



2. In a replacement door handle for motor vehicles, a shank constituted of a number of cylindrical sections arranged in diminishing stepped relation, tapered portions disposed between the sections, a square threaded-corners spindle axially secured to the small end of the shank, a nut engaged with the spindle for holding the handle relative to a door, and a tab washer on the spindle engageable with the nut for locking same.

2,461,086
DIVING BOARD
Edward G. Schumacher, Buffalo, N. Y.
Application May 9, 1946, Serial No. 668,564
13 Claims. (Cl. 272—66)

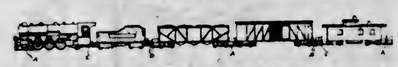
12. A diving apparatus comprising a board, a base, means whereby the rear end of the board is mounted on the base, means whereby the intermediate part of the board is mounted on the base including posts rising from said base, upper and lower crossheads slidable vertically on said posts and said upper crosshead supporting said board, means whereby said lower crosshead is adjusted on said posts, cushion means interposed between said crossheads and means whereby the

upward movement of said upper crosshead is limited relative to the lower crosshead including adjusting rods connected at their lower ends with said lower crosshead, cushions resting on said upper crosshead, and screw nuts arranged on the upper ends of said adjusting rods and bearing against said cushions.

2,461,087
ALTERNATING ELECTRIC CURRENT RECTIFIER OF THE DRY SURFACE CONTACT TYPE
Richard Geoffrey Sell and Leslie Ernest Thompson, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 21, 1945, Serial No. 636,460
In Great Britain July 31, 1945
4 Claims. (Cl. 175—366)

1. A rectifier comprising two adjacent cooling members each provided with an annular rib which with the corresponding rib on the other element forms a cavity, and a rectifier sealed within said cavity in heat transfer relation with respect to said cooling members.

2,461,088
MAGNETIC TOY TRAIN
Charles R. Shortt, Stamford Township, Niagara Falls, Ontario, Canada
Application March 13, 1947, Serial No. 734,307
1 Claim. (Cl. 46—45)



A toy vehicle having a permanent magnetic bar secured thereto at each end thereof, one of said bar magnets having its north pole projecting beyond the end of the vehicle, the other of said bar magnets having its south pole projecting beyond the opposite end of the vehicle, each of said projecting ends having bevelled corners defining a narrow central flat end coupling surface to permit adjacent vehicles to be coupled in a straight train and defining flat coupling surfaces either side of and angularly inclined to said central coupling surface to permit adjacent vehicles to be coupled in angular relation, the common

edges joining the central and angularly inclined coupling surfaces providing fulcra at the dis-

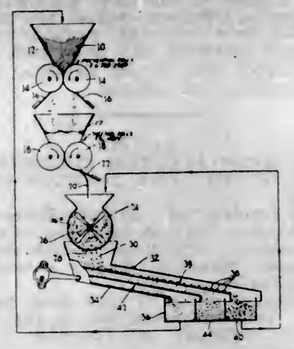
medium at a predetermined speed, drawing the yarns out of the medium at a predetermined

on opposite sides of the oar lock engaging portion of an oar, said plates having oppositely dis-

generally longitudinally thereof, a wet filamentary bundle of web-like sheet structure comprising continuous filaments in a plastic con-

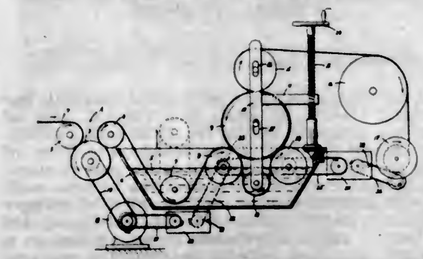
edges joining the central and angularly inclined coupling surfaces providing fulcra at the discontinuities of the coupling surfaces to permit coupled vehicles on the turning of one vehicle to swing abruptly and without dislodgement between in-line position and angularly inclined relation.

2,461,089
PROCESS OF FORMING GRANULATED SYNTHETIC RESIN COMPOSITIONS
Leonard Smidth, New York, N. Y.
Application June 22, 1944, Serial No. 541,616
4 Claims. (Cl. 241—3)



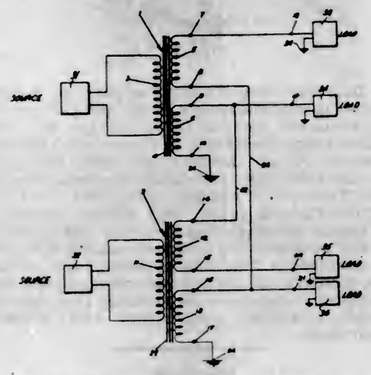
1. In a continuous process for making an improved granular aminoplast resin composition for molding, the steps comprising preheating a powdered aminoplast molding composition by passing the powder through a set of pressure rolls at an elevated temperature but at a relatively low pressure so that the material remains in loose, unsheeted form, thereafter passing the preheated material while hot through a second set of pressure rolls which are maintained at a relatively lower temperature but exerting a relatively higher pressure than said first set of pressure rolls to form said material into a self-sustaining sheet, and thereafter granulating said sheet material.

2,461,090
METHOD AND APPARATUS FOR SLASHING YARNS
Robert A. Smith, Ridley Park, and John S. Chaya, Springfield, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 17, 1945, Serial No. 578,522
4 Claims. (Cl. 28—28)



1. The method of slashing a warp of yarns which spontaneously elongate on wetting comprising delivering the yarns into an aqueous sizing medium at a predetermined speed, drawing the yarns out of the medium at a predetermined faster speed so related to that of delivery to the medium as to compensate entirely for the spontaneous elongation of the yarns upon wetting without substantially stretching the yarns, squeezing the yarns, drying the yarns, and collecting the dried yarns at a predetermined linear speed which is so related to that of withdrawal from the sizing medium as to compensate entirely for the contraction that occurs on drying, thereby preventing the imparting of internal strains to the dried yarns.

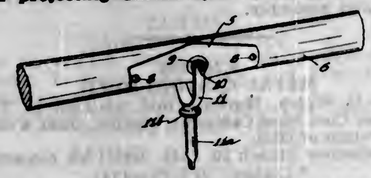
2,461,091
TRANSFORMER NETWORK
Richard G. Stephenson and William M. Bush, Poquonock Bridge, Conn., assignors to the United States of America as represented by the Secretary of the Navy
Application August 28, 1945, Serial No. 613,178
6 Claims. (Cl. 171—97)



6. Electrical transformer apparatus for converting a two-channel network into a four-channel network, comprising a first transformer having a first primary coil and a first pair of secondary coils, a second transformer having a second primary coil and a second pair of secondary coils, a first source of alternating-current signals coupled to said first primary coil to energize said first primary coil with a first signal voltage, a second source of alternating-current signals coupled to said second primary coil to energize said second primary coil with a second signal voltage, individual loads connected to individual ones of each of said secondary coils at a first terminal of each of said secondary coils, means connecting a second terminal of one of said first pair of secondary coils and said first terminal of one of said second pair of secondary coils, means connecting said first terminal of the other of said first pair of secondary coils and a second terminal of the other of said second pair of secondary coils, and means connecting the second terminal of said other of said first pair of secondary coils and the second terminal of the said one of said second pair of secondary coils to ground.

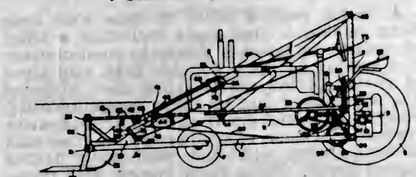
2,461,092
OAR PROTECTOR
George H. Sterling, Minneapolis, Minn.
Application November 17, 1945, Serial No. 629,269
1 Claim. (Cl. 9—26)

A pair of elongated oar protector side plates of arcuate shape in cross section adapted to fit on opposite sides of the oar lock engaging portion of an oar, said plates having oppositely disposed outwardly projecting bosses intermediate their ends, pivot studs mounted in said bosses and projecting outwardly therefrom, a forked



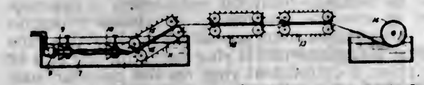
oar lock having its forked ends respectively pivotally engaged with said respective studs, and said plates having means near their ends permitting the same to be secured to the oar without any other securing means between the ends of the plates.

2,461,093
SHOVEL LOADER
Harold M. Stueland, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application May 16, 1946, Serial No. 670,259
7 Claims. (Cl. 214—140)



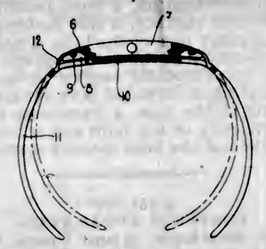
1. In combination, a mobile frame, a supporting arm swingably mounted on said frame by means providing for generally vertical movement relative thereto, lifting means, and a differential connecting means between said lifting means, said arm, and said frame, said connecting means comprising a member movably connected to each of said lifting means, arm and frame and so constructed and arranged that an application of lifting force through said lifting means to lift said arm through a first range of movement causes a movement of said lifting means relative to said arm and away from the latter and a relative movement of the connection between said connecting means and said frame toward said arm, thereby providing a mechanical advantage between said lifting means and said arm, and an application of said lifting force swinging said arm upwardly beyond a predetermined angle disables said connection to said frame, thereby connecting said lifting means directly with said arm.

2,461,094
METHOD OF MAKING LIGHTWEIGHT FILAMENTOUS STRUCTURES
Robert J. Taylor, Claymont, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 12, 1944, Serial No. 530,682
10 Claims. (Cl. 18—47.5)



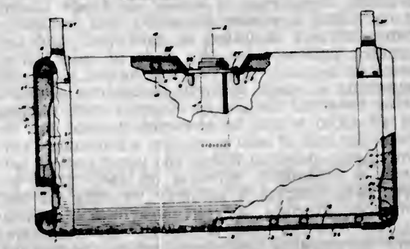
1. A method of producing filamentous products comprising the steps of stretching, in a direction generally longitudinally thereof, a wet filamentary bundle of web-like sheet structure comprising continuous filaments in a plastic condition mixed with continuous filaments in an elastic condition, collecting the sheet as such while still wet in the form of a multiple-layered winding, severing the winding across its width, drying the relaxed winding in the form of a band, and stretching the dried band out in the direction of its width while permitting it to expand in thickness.

2,461,095
ATTACHING MEANS FOR WATCHES
Andrew J. Truxell, Washington, D. C.
Application April 20, 1945, Serial No. 589,400
1 Claim. (Cl. 224—4)



A wrist watch comprising in combination a watch case having recesses with top walls in the end portions thereof at the underside of the case, transversely extending bars in said recesses, a resilient wrist attaching band including an intermediate portion adapted for positioning against the back of the watch case and outwardly struck tongues on said band forming hooks projecting toward each other and inserted in said recesses between said bars and walls to secure the case to said band, said band having flexible wrist engaging portions extending from said intermediate portion, and said hooks being movable out of said recesses clear of said bars by flexing of said wrist engaging portions of said band toward each other, whereby said band and watch may be disconnected by flexing of said wrist-engaging portions of said band together when said band is removed from the wrist.

2,461,096
SELF-SEALING GASOLINE TANK
Hans P. Wagner, Akron, Ohio
Application August 28, 1943, Serial No. 500,420
7 Claims. (Cl. 154—41)



5. In a tank construction an inner metallic tank, a flexible outer tank arranged in space surrounding relation with respect to the inner tank, a sealant under compression arranged between the tanks and endless resilient tubular elements

arranged between the tanks to maintain the tanks

in the end of said spool opposite said recess, means

ing therebetween; a telescoping member on said

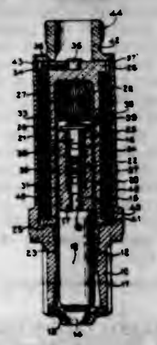
one-half the diameter of a typewriter platen and having a lip portion for engaging material for

arranged between the tanks to maintain the tanks in spaced relation and provided with slots forming passageways through which the sealant may pass.

2,461,097
NUT ANCHOR
Frank C. Wallace, Los Angeles, Calif., assignor to Herman H. Heibush, Los Angeles, Calif.
Application April 20, 1943, Serial No. 483,735
6 Claims. (Cl. 151—21)

1. An anchor nut of the class described comprising, in combination; a base having a work-engaging under surface, a nut housing disposed against the outer face of the base, a hole through the base opening into the bottom of the nut housing, a nut non-rotatably carried in the housing, said nut having a threaded bore concentric with the opening in the base, a transverse slot in the nut diametrically of the bore and a recess in the under surface of the base directly under the nut.

2,461,098
IGNITION APPARATUS
Morgan G. Weatherly, Mount Upton, N. Y., assignor to Bendix Aviation Corporation, New York, N. Y., a corporation of Delaware
Application July 4, 1944, Serial No. 543,476
16 Claims. (Cl. 315—57)

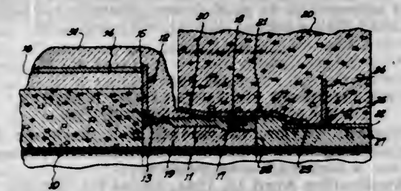


1. In ignition apparatus of the class described, a tubular shell having a tubular shielding barrel extending therefrom, a center electrode assembly including a center electrode and insulating means therefor mounted in said shell and terminating intermediate the ends of said barrel, a transformer coil unit in said barrel, said unit comprising a spool of rigid insulating material having external flanges at opposite ends thereof and an axial recess in one end thereof for receiving the end of said assembly, a laminated core of magnetic material filling the inner end of said recess, a secondary winding on said spool between said flanges, a primary winding on said secondary winding, a split sleeve of magnetic material around said windings, an insulating sleeve surrounding said sleeve, means for grounding said windings, means extending through the wall of said spool for connecting said secondary winding to said core, resilient means for electrically connecting said core and electrode when said unit is inserted into said barrel, a terminal in the end of said spool opposite said recess, means connecting said primary winding to said terminal, means secured in the open end of said barrel for holding said unit in said barrel, and insulating means filling the spaces in said barrel around said unit and assembly.

2,461,099
METAL-CASTING MOLD
Cline H. Welch, Marion, Ohio, assignor to The Alloy Cast Steel Company, Marion, Ohio, a corporation of Ohio
Application March 30, 1945, Serial No. 585,602
2 Claims. (Cl. 22—134)

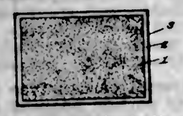
1. A metal casting mold of cope and drag sections having a sand body including a blind head cavity with passage means to communicate with a casting cavity, a pouring gate, said blind head cavity having said pouring gate disposed at the top thereof and in direct communication therewith and forming with said blind head cavity an upward extension of smaller volume than said blind head cavity, said blind head cavity having an upper region and a lower region, said upper region providing substantially perpendicular surfaces forming an expansion zone for metal introduced into the blind head cavity, the lower region having a greater diameter than the upper region, and the upper region having a greater diameter than the passage of the pouring gate, a core located at the juncture of the pouring gate passage and the blind head cavity and defining an annular shoulder, the lower region of the blind head cavity having a bottom defining a sump.

2,461,100
ADAPTER JOINT FOR PIPES
Harold L. White, San Marino, Calif., assignor to American Pipe and Construction Co., a corporation of Delaware
Application February 16, 1945, Serial No. 578,215
5 Claims. (Cl. 285—112)



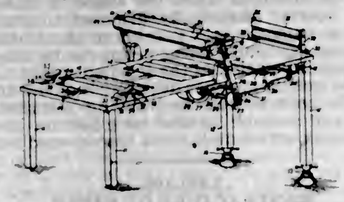
1. An adapter joint for connecting a concrete pipe to relative stationary structures comprising: an adapter member on the end of the pipe having a circular metal ring faced on the end of the pipe; a cylindrical ring on the circular ring extending over the end portion of the pipe and spaced apart therefrom adapted to receive caulking therebetween; a telescoping member on said circular ring; a telescoping member on the stationary structure; and a yieldable ring between the telescoping members.

2,461,101
HAIR-WAVING UNIT
Fred M. Winkel, Phillipsburg, Pa., assignor to Ralph L. Evans, New York, and Everett G. McDonough, Yonkers, N. Y.
Application March 12, 1937, Serial No. 130,585
Renewed August 7, 1939
4 Claims. (Cl. 132—36.2)



4. A hair waving unit including a normally stiff and dry absorbent sheet, metal affixed to one surface of said sheet, said sheet being impregnated with a chemical which, in solution, will attack the metal to react exothermocally, and a protective coating one surface of which is affixed to the surface of said metal remote from said absorbent sheet, to constitute a permanent laminated structure.

2,461,102
POSTURE SYSTEM
Dolletta M. Ackerman, Los Angeles, Calif.
Application December 21, 1944, Serial No. 569,114
4 Claims. (Cl. 128—57)

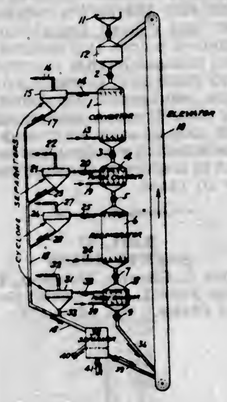


1. In a posture system, a table for the support of a person to be treated thereon and having apertures therein, a plurality of transverse rollers in said apertures, a plurality of transverse rollers spaced above said table, said rollers being mounted to be longitudinally reciprocable relative to the length of the table, and means to reciprocate said rollers, said last named rollers being moved forwardly when said first named rollers are moved backwardly and vice versa, said means including a pair of rock arms for supporting said last named rollers.

2,461,103
LABEL HOLDER
Lewis A. Amis, Dallas, Tex.
Application June 8, 1946, Serial No. 675,455
2 Claims. (Cl. 197—136)

1. As a new article of manufacture, a unitary paper retaining device of a length greater than one-half the diameter of a typewriter platen and having a lip portion for engaging material for typing, a transverse inward bend in the device adjacent the lip portion adapted to normally seat upon the platen, a substantially U-shaped cut-out in said device adjacent to said lip portion having its ends substantially terminating at the inward bend to weaken and lend flexibility to the device on each side of said cut-out, the portion defined by the cut-out being effective to displace said lip portion in relation to said platen through action on the fulcrum formed by said inward bend to receive and clamp the edge of said material.

2,461,104
METHOD OF CATALYSIS
John R. Bates, Swarthmore, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application September 14, 1945, Serial No. 616,169
3 Claims. (Cl. 23—1)



1. In a catalytic operation in which fluids are contacted with a mass of catalyst of solid particles which moves continuously in an endless stream into, through, out of, and back to, a treating zone and in which the particles are subjected to mechanical attrition forming powdered fines of a degree of fineness greatly exceeding that of the particles of the moving catalyst mass and in which fines leave the treating zone entrained in escaping fluids, the method of minimizing such attrition which comprises removing the fines from the escaped fluids, separating from the removed fines those which are larger than 150 mesh and returning a small percentage of the remaining fines to the moving catalyst mass in order to lubricate the mass and thereby minimize attrition.

2,461,105
BLEACHING OF CELLULOSIC MATTER
Rudolf Bloch, Jerusalem, Kurt Goldschmid, Tel Aviv, and Isaac Schnerb and Paul Goldschmidt, Jerusalem, Palestine
No Drawing. Application December 17, 1946, Serial No. 724,696. In Great Britain January 1, 1946
10 Claims. (Cl. 8—105)

1. Process of bleaching cellulosic material which comprises treating it with an aqueous hy-

pochlorite liquor having a pH of at least 7 and containing water-soluble bromide in an equiva-

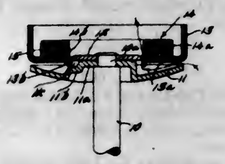
2,461,106
COMBINATION TOOL AND HANDLE

the moistening of the one side of the web and

in circuit therewith operable by a control travers-
ing a scale graduated in terms of the spacing of

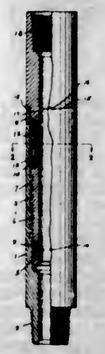
pochlorite liquor having a pH of at least 7 and containing water-soluble bromide in an equivalent amount smaller than the available chlorine content of the liquor.

2,461,106
PLUNGER STRUCTURE
Henry E. Brandt, North St. Paul, Minn.
Application April 18, 1947, Serial No. 742,297
11 Claims. (Cl. 309—4)



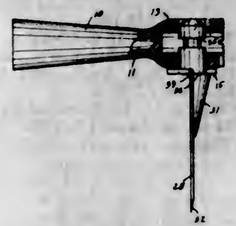
1. A plunger structure having in combination, a plunger rod, a member secured to said rod adjacent the end thereof, a washer overlying said member and spaced therefrom at circumferentially spaced points and secured to said rod, a cup-shaped plunger having a peripheral flange directed away from said member and having an apertured inner end extending about said washer adjacent the plane thereof, and a member engaging the outer side of said inner end and having a central portion with resilient parts constructed and arranged to engage under said washer to hold said plunger in place.

2,461,107
SAFETY JOINT
Walter L. Church, Houston, Tex.
Application June 1, 1945, Serial No. 597,009
1 Claim. (Cl. 287—125)



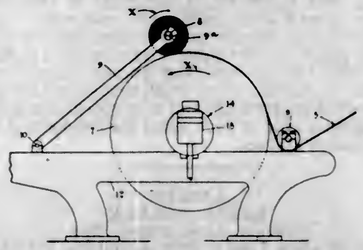
A safety joint comprising, a box section having internal threads and being internally blank between the threads and the end of the section, a pin section having external threads adapted to be screwed into the internal threads and being blank beyond the threads, co-operating portions for transmitting torsional strains between the sections, a plurality of friction members countersunk into the blank portion of the pin and elongated longitudinally with respect to the pin, yieldable means acting against said friction members to hold them in frictional contact with the opposing blank portion of the box.

2,461,108
COMBINATION TOOL AND HANDLE
Fredrick W. Coffing, Danville, Ill.
Application July 26, 1946, Serial No. 686,570
2 Claims. (Cl. 294—6)



1. In a universal garden type tool having an elongated body portion adapted at one end for connection to a handle substantially longitudinally aligned therewith, and a tool having an anchorable shank portion, the combination therewith of a socket formation at the other end of said body portion, a second socket formation disposed substantially transversely of the first socket formation, the two sockets intersecting, the sockets being substantially identical in cross-section and of cylindrical character, the face of each formation having a plurality of diametral notch formations therein, each being of parallel wall character, the shank being of cylindrical type and of a length greater than the length of the sockets from the notched face to the point of intersection, the shank having a cylindrical reduced neck portion registering with the said socket intersection when the shank is seated in either socket, diametrally disposed tongues on said tool adjacent said shank and simultaneously seatable in a diametral notch for locking the tool against rotation in the selected socket, and a slidable locking member disposed in a bore transverse to both sockets and having a socket exposed end seatable in the neck portion to prevent shank withdrawal from the selected socket.

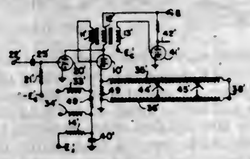
2,461,109
MANUFACTURE OF PAPER
Kay Crabtree, Crabtree Mills, Quebec, Canada
Application September 30, 1944, Serial No. 556,506
1 Claim. (Cl. 92—68)



The process of seasoning paper which comprises continually supplying the web as it comes from the dry end of the paper making machine to and and moving it in contact with a cold, moist, elongated surface and simultaneously chilling and moistening a substantial length and area of a side of the web during its contact with said surface, and then continually rolling up the so-moistened chilled web from said surface into a close coil and moistening the other side through transfer of moisture thereto by contact with the previously moistened side as the coil is formed,

the moistening of the one side of the web and the chilling of the web by said surface being prolonged by contact of the web therewith until removed from said surface and coiled and the moistening of the opposite side of the web being continuous with the coiling of the web and continuous with the chilling and moistening by said contact surface.

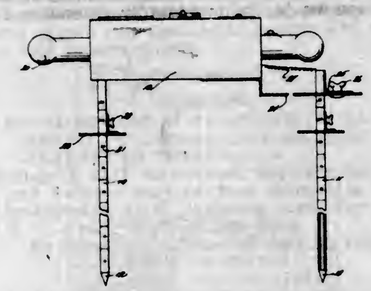
2,461,110
PULSE GENERATOR
Martin Fischman, Brooklyn, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application March 8, 1945, Serial No. 581,655
15 Claims. (Cl. 250—27)



5. A generator for generating a plurality of pulses having two characteristic time intervals corresponding respectively to pulse duration and pulse separation comprising, electron-discharge means including a plurality of electrodes, a first time-delay transmission line coupled between a pair of said electrodes and responsive to a conductance variation of said electron-discharge means in one sense for applying to said electron-discharge means a first delayed control signal effective to vary the conductance thereof in an opposite sense and complete a cycle of conductance variation, the time delay of said first line being such that said first control signal is delayed with reference to said conductance variation in said one sense by an interval equal to a desired value of one of said characteristic time intervals, and a second time-delay transmission line coupled between a pair of said electrodes and responsive to a conductance variation of said electron-discharge means for applying to said electron-discharge means a second delayed control signal effective to vary the conductance thereof in said one sense, the time delay of said second line being such that said second control signal is delayed with reference to said first control signal by an interval equal to a desired value of the other of said characteristic time intervals, whereby the conductance of said electron-discharge means is cyclically varied at spaced intervals to generate output pulses having a desired duration and time separation.

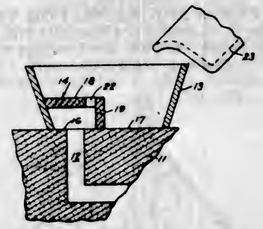
2,461,111
SOIL MOISTURE INDICATOR
Mack L. Flinspach and John H. Flinspach, Compton, Calif.
Application August 16, 1946, Serial No. 690,857
3 Claims. (Cl. 175—183)

3. A soil moisture indicator comprising a frame, a pair of electrodes supported from the frame in spaced relation with respect to one another, the electrodes being adjustable as to the distance therebetween, means adjustable along the electrodes serving to limit the depth to which the electrodes may be thrust into the soil, handles on the frame adapting the electrodes to be thrust into the soil by their lower ends, a source of electric current located on said frame and connectible to said electrodes, a resistance measuring means in the circuit having a variable resistance in circuit therewith operable by a control traversing a scale graduated in terms of the spacing of the electrodes, said variable resistance being



mounted on said frame and said resistance measuring means, scale and control being so mounted on said frame as to be readily visible and utilized.

2,461,112
SKIMMING DEVICE
Thomas W. F. Foster, Temple City, Calif., assignor to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application June 30, 1945, Serial No. 602,581
5 Claims. (Cl. 22—134)



1. A movable pouring basin comprising an enclosed wall portion, and a skimming device disposed within said basin and comprising a top wall portion spaced above the bottom of said basin and provided with an inlet perforation and side walls supporting said top wall portion and cooperating with a part of said enclosed basin wall portion to form an open-bottom enclosure.

2,461,113
FLUID TREATMENT EQUIPMENT
Arthur H. Friedman, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application October 14, 1946, Serial No. 703,198
3 Claims. (Cl. 134—160)

1. In a fluid treating machine, mechanism for moving workpieces comprising: a horizontally extending arm, means for moving said arm in a horizontal direction and for halting movement of said arm in said horizontal direction, means for moving said arm in a vertical direction to a fluid treating work station, a workpiece supporting member, means for pivotally supporting said workpiece supporting member on said arm, means for oscillating said workpiece supporting member about said pivot in a plane which is transverse to the movement of said arm in said horizontal direction, said oscillating movement

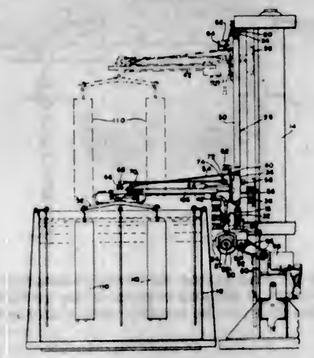
occurring only after said workpiece supporting

2,461,115

2,461,117
METHOD OF PRODUCING BUTTER BY

extending into the casing open ended portion for camming the twisted blade end in effecting said

occurring only after said workpiece supporting member has been moved vertically to its work station, said last-named means including a lever system, said lever system being mounted on said arm and having a downwardly extending free



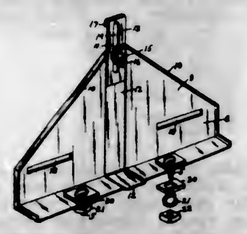
end, an upwardly extending track engageable by said free end when said arm and the workpiece supporting member have been moved to their work station, and means for oscillating said track.

2,461,114

LICENSE PLATE MOUNTING FOR VEHICLES

Abraham G. Goldberg, Chestnut Hill, Mass.

Application September 25, 1947, Serial No. 776,123
2 Claims. (Cl. 248—226)



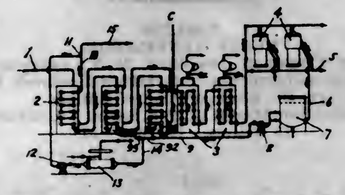
1. A mounting, for a vehicle license plate having slots parallel to the lower edge thereof, comprising an integral sheet metal bracket having a horizontal flange adapted to be connected to a plate extending horizontally forwardly or rearwardly from the vehicle at the junction of the body to the chassis thereof, said bracket having a vertical plate supporting section extending upwardly from said horizontal flange having a wide rectangular portion adjacent said flange and a truncated triangular portion continuing upwardly from said rectangular portion, a narrow rectangular offset extending outwardly from said truncated end of the triangular portion perpendicular to said flange forming a channel, slots in said rectangular portion spaced from and parallel to said frame complementary to the slots in said license plate adapted to receive bolts connecting the license plate to the bracket and a sheet metal member slidably fitting said channel having an outwardly reversely bent end adapted closely to embrace the upper edge of said license plate, and means for adjustably securing said clamping member in said slot thereby to clamp the license plate firmly to the bracket and upon said bolts.

2,461,115

METHOD OF DEWAXING OILS

Curt Filip Holm, Angby, and Bruno Knno Engel, Nockeby, Sweden, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden

Application March 8, 1945, Serial No. 581,658
In Sweden March 16, 1944
2 Claims. (Cl. 196—18)



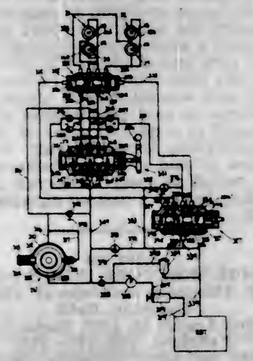
1. The process of dewaxing mineral oils which comprises chilling the wax-bearing oil in a plurality of stages in countercurrent heat-exchange relation to a flowing heat-absorbing liquid, separating from the chilled wax-bearing oil wax and substantially wax-free oil and utilizing the latter as a heat-absorbing liquid in all said stages, withdrawing wax-free oil from the heat-exchange system and separately cooling the wax-free oil so withdrawn and, at a point between two of said stages, mixing the so withdrawn and cooled wax-free oil with the wax-free oil flowing from the locus of separation.

2,461,116

HYDRAULIC SYSTEM FOR CONTROLLING THE OPERATION OF ROTARY HYDRAULIC MOTORS

Robert K. Jeffrey, deceased, late of Bexley, Ohio, by Florence H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company, a corporation of Ohio

Application July 7, 1944, Serial No. 543,788
5 Claims. (Cl. 60—53)



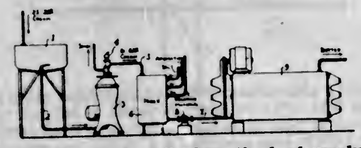
3. Apparatus of the class described comprising in combination means including a plurality of rotary hydraulic motors, valve mechanism for connecting said motors in series or in parallel, hydraulic motor mechanism for operating said valve mechanism, pilot valve mechanism for controlling said hydraulic motor mechanism to effect connection of said motors in series or in parallel, and reversing valve mechanism for controlling the direction of rotation of said rotary hydraulic motors.

2,461,117

METHOD OF PRODUCING BUTTER BY COOLING CREAM OF HIGH CONCENTRATION

Hans Olof Lindgren, Appelviken, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden

Application October 10, 1942, Serial No. 461,628
In Sweden March 7, 1942
3 Claims. (Cl. 99—119)



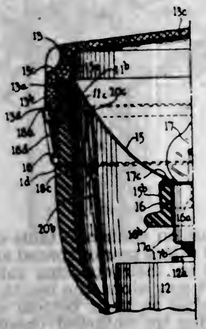
1. The herein described method of producing butter which comprises subjecting a milk fluid containing a relatively small percentage of butterfat to the action of centrifugal force to thereby separate the same into skim milk and a concentrated cream containing a percentage of butterfat approximating that which it is desired to obtain in the subsequently produced butter, conveying the separated concentrated cream, while maintaining it in the phase of a suspension of fat in serum, to a locus of cooling, maintaining said milk fluid during the separating process and the separated concentrated cream while conveying it to the locus of cooling out of substantial contact with atmospheric air, and by cooling in said locus effecting reversal of phase and conversion of the cream into butter.

2,461,118

FLASHLIGHT TORCH

Joshua Gordon Lippincott, Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc., a corporation of New York

Application May 14, 1945, Serial No. 593,636
3 Claims. (Cl. 240—10.68)



3. In a flashlight torch having a casing formed with a bulbous open ended portion, a metallic reflector seated on the rim edge of said open ended portion, a one-piece lens cap removably mounted on said casing open ended portion firmly securing the reflector in seated position, a ring member encircling said casing open ended portion and retained for rotary movement thereon by said cap, a metallic spring blade with an intermediate twisted structure adjacent an extreme free end thereof secured to extend within said casing open ended portion, said extreme blade end forming a contact circuit making and breaking means with said reflector, said ring member having a shoe extending into the casing open ended portion for camming the twisted blade end in effecting said making of the electric circuit, said casing end portion being slotted for receiving said shoe so constructed and arranged to limit the rotary movement of said ring member in making and breaking said contact circuit.

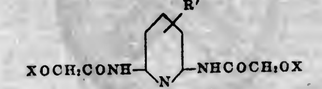
2,461,119

BIS-GLYCOLIC ACID AMIDES OF 2,6-DIAMINO-PYRIDINES AND METHOD OF PREPARING THEM

William A. Lott, Maplewood, and Jack Bernstein and Barbara Stearns, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application July 31, 1943, Serial No. 496,944
6 Claims. (Cl. 260—295)

1. A compound of the general formula



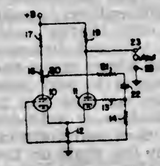
wherein R' represents a member of the group consisting of hydrogen, alkyl, and alkoxy, and X represents a member of the group consisting of hydrogen, alkyl, aryl and acyl radicals.

2,461,120

SIGNAL GENERATOR

Bernard D. Loughlin, Bayside, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois

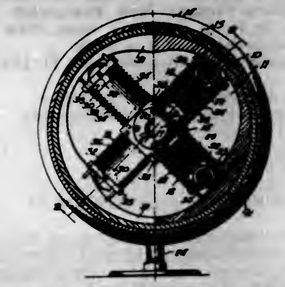
Application November 2, 1944, Serial No. 561,612
2 Claims. (Cl. 250—36)



1. A generator for generating a signal of periodic wave form and of variable periodicity comprising: a first electron tube having an anode-cathode space-current path and at least two operating conditions; a second electron tube having a control electrode-cathode space-current path; means including said second electron tube, a first time-constant circuit including an energy-storage device and said control electrode-cathode space-current path, and a second time-constant circuit including said energy-storage device and said anode-cathode space-current path for causing said first electron tube to alternate during succeeding time intervals from one of said conditions to the other to complete for successive pairs of said time intervals operating cycles; an impedance included in an energizing circuit of said first electron tube to develop an output potential having an amplitude varying with said two operating conditions thereof; and an adjustable contact engaging said impedance for connecting a different portion of said impedance in each of said first and second time-constant circuits and for applying to said means a selectable portion of said output potential while at the same time providing with adjustments of said contact an adjustment of the time constants of said first and second time-

constant circuits, whereby the duration of each of said succeeding time intervals is adjusted in substantially the same proportion while the periodicity of said operating cycles is adjusted over a relatively wide frequency range.

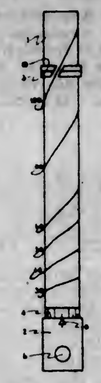
2,461,121
FLUID PUMP
Thomas A. Markham, Dallas, Tex., assignor of forty-nine per cent to Jack J. Smith, Garland, Tex.
Application March 12, 1945, Serial No. 582,271
2 Claims. (Cl. 230—177)



1. In an air compressor, a hollow stationary hub having an intake and an exhaust chamber uprights supporting said hub against rotation, a plurality of cylinders stationary with and grouped radially about said hub, each being in communication with the chambers of said hub, check valves in control of said communications, a piston in each of said cylinders having a bifurcated head, opposed bosses on the head of said piston, a shaft having its ends journaled in said bosses, spring loaded guide rods on opposite sides of said shaft at each end thereof, said rods being mounted in said hub and disposed parallel with said cylinders and whose upper ends are slidably disposed in apertures in said bosses, a housing rotatably mounted on said hub and embracing said group of cylinders, a multi-lobed cam track arranged on the inner periphery of said housing, a roller carried by the shaft on the head of said piston and receivable in the bifurcation thereof, said roller engageable with said track to effect reciprocation of said piston against the resistance of said springs when said housing is rotated to force passage of air through said hub.

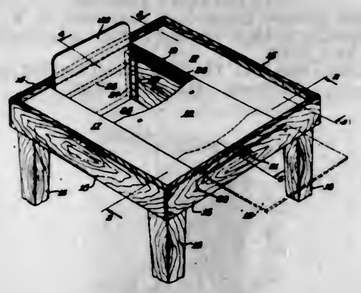
2,461,122
AIM INDICATOR
Roy M. McQuitty, Richmond Heights, Mo.
Application October 12, 1944, Serial No. 558,335
6 Claims. (Cl. 33—46)

1. In an instrument for locating points of aim under conditions wherein said points are remote from a target, an aim indicator comprising a sighting device having cooperative sights including a primary sight to be aimed at the target, and a series of secondary sights to be aimed at different points remote from the target, so as to find the points of aim, for different arrow velocities, at several predetermined ranges from the target, there being a separate secondary sight for each of said ranges from the target, all of said sights being exposed for sighting in a sighting zone at one side of the sighting device, said secondary sights being at different distances from said primary sight and movable in said sighting zone toward and away from said primary sight, so as to locate any one of the secondary sights in its aiming position, and indicating means as-



sociated with said secondary sights to indicate corresponding aiming positions of the several secondary sights.

2,461,123
COMBINATION SAFETY CHAIR AND TABLE
Clarence W. Miller, Chicago, Ill.
Application September 6, 1946, Serial No. 695,228
6 Claims. (Cl. 155—123)

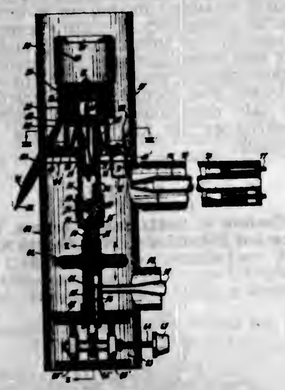


1. A combination chair and table comprising a table provided with a pair of spaced apart parallel rails provided on their opposing sides with ribs extending part way along the length of the rails and with notches on their bottom surfaces, the table-top having an enlarged opening between the rails at the rear side of the table and a short slidable top-panel forward of said opening; and a chair adapted to be mounted beneath said opening, provided with rigid sides and bottom and a foot-rest frame pivotally connected intermediate its length to the sides of the chair to provide upstanding shoulders above the pivot points, the chair-sides adjacent their tops having transversely disposed grooves adapted to receive the ribs of said table-rails whereby the chair is removably held in place, while said foot-rest frame shoulders are adapted to engage said rail notches and thereby effect locking engagement between the chair and said table-rails.

2,461,124
TAPER HOLDER AND SNUFFER
Elizabeth D. Mussy, San Francisco, Calif.
Application November 9, 1946, Serial No. 708,913
1 Claim. (Cl. 67—6)

A taper holder and snuffer comprising a tubular body having a tapered nose portion and longitudinal flanges forming a slot in said body from said nose portion to the opposite end of said body, the rear corners of said flanges overhanging and forming a yielding stop across said slot; and a taper holding socket slidable in said body and having side portions extending outward between said flanges and forming a manual control for said taper holding socket.

2,461,125
ELECTRON DISCHARGE DEVICE UTILIZING CAVITY RESONATORS
Leon S. Nergaard, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 31, 1943, Serial No. 516,388
23 Claims. (Cl. 315—39)

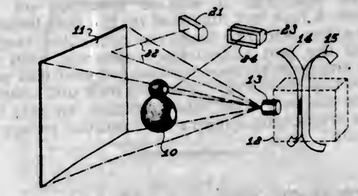


1. An electron discharge device having a cathode, grid and anode, a cavity resonator coupled between said anode and said grid and including an inner conductor coupled to said anode, and a coaxial outer tubular member having one end coupled to said grid, said outer tubular member being open at its free end and a cavity resonator coupled between said cathode and grid, and a voltage lead extending into the cavity resonator coupled between said anode and said grid, said voltage lead including a tubular member having a coaxial conductor and an insulating sleeve positioned between said conductor and said last tubular member, the end of said lead contacting said anode comprising a probe mechanically biased against the anode.

2,461,126
RESETTABLE CIRCUIT BREAKER
William Kendall Overturf, San Diego, Calif.
Application May 17, 1947, Serial No. 748,724
9 Claims. (Cl. 200—116)

6. A resettable circuit breaker comprising a hollow body member including a threaded metallic shell forming a first external electric terminal, said shell being adapted to be screwed into a fuse plug socket, a stationary contact arranged within said body member and electrically connected with a second external electric terminal, a longitudinally slotted rod member movable relative to said body member from a first position to a second position, a cross-arm extending outwardly through the slot on said rod member, a first spring arranged between said cross-arm and said body, and a second spring mounted between said rod member and said cross-arm, said two springs acting to float said cross-arm on said rod member, said first spring normally urging said rod member from said first position toward said second position, a movable contact carried by said cross-arm and arranged to contact said stationary contact only when said rod member is in said first position and to be pressed thereagainst by said second spring, a bimetallic element carried by one of said members, one end of said bimetallic element being electrically connected to said movable contact and the other end thereof being electrically connected to said metallic shell, and a detent on said other member adapted to engage said bimetallic element to hold said setting member in said first position whereby said movable contact engages said stationary contact to complete an electric circuit only as long as said electric circuit is not overloaded.

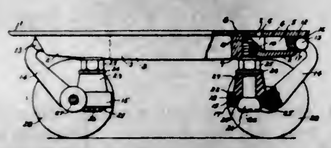
2,461,127
COMPOSITE PHOTOGRAPHY
Leonard B. Pickley, North Hollywood, Calif.
Application February 19, 1946, Serial No. 648,587
4 Claims. (Cl. 88—16)



3. In a method of composite photography, the steps of: positioning a foreground object in front of a white reflective surface; illuminating such surface with light of a spectral range including the visual and infra-red; directing light including the visual and infra-red upon the foreground object, filtering out the infra-red from said light to illuminate the object with light substantially free from infra-red; and simultaneously expos-

ing a color recording film and an infra-red sensitive film in bi-pack arrangement to the foreground object and white reflective background so illuminated.

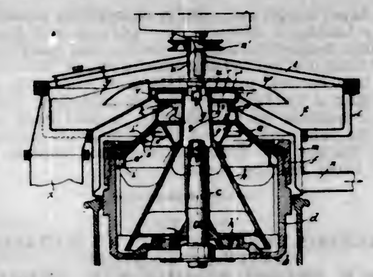
2,461,128
ROLLER SKATE
George A. Reich, Cleveland, Ohio
Application January 12, 1948, Serial No. 1,691
2 Claims. (Cl. 280—11.28)



1. A roller skate comprising, in combination, a shoe supporting member having formed therein longitudinally extending vertical slots of a predetermined depth, medially positioned longitudinally extending bosses integrally formed with and on the underside thereof, spaced ribs connecting the inner extremities of the bosses, each of the aforementioned bosses having therein a longitudinally extending smooth bore, the inner end of which leads into the beforementioned slots, the slots leading into threaded vertical bores in the bosses adapted to receive a threaded bolt having a truncated conical end portion, and a head portion with a spherical surface, the head portion being provided with a tool receiving recess therein, a cylindrical plug having a reduced end portion provided with an inclined plane extending into the slot and also into the threaded bore and also having remote from the reduced end portion a socket therein, the plug being non-rotatably but slidably mounted in the smooth bore, vertically positioned projecting members extending from the socket, a truck having an angularly disposed portion extending upward from the truck and having a portion extending therefrom toward the socket in the cylindrical plug and terminating in a ball-shaped end adapted to engage in the socket to provide a pivotal connection therewith and held in the socket by bending the projecting members to conform to the surface of the ball-shaped end, a platform having a ball seat therein, the threaded bolt extending upward through the ball seat, the spherical surface of the bolt cooperating with the seat, a resilient cushion of truncated conical configuration mounted on the bolt and on the platform, a washer mounted on the cushion, a lock nut mounted on the bolt between the washer and the boss, the truncated conical end of the bolt adapted to cooperate with the plane inclined surface on the reduced end portion of the cylindrical plug, the lock nut adapted to lock the bolt in adjusted position, an axle fast in the truck, and removably mounted rollers on the axle.

2,461,129
CENTRIFUGE FOR THE SEPARATION OF SERUM FROM CHEESE CONSTITUENTS
George J. Streynski, Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application April 20, 1944, Serial No. 531,908
6 Claims. (Cl. 233—28)

1. A centrifuge adapted especially for the separation of cheese constituents from whey or serum of higher specific gravity, comprising a rotatable bowl shell, bottom and inclined top, a frusto-conical member within the bowl and dividing it into an inner chamber for receiving the mixture to be separated and an outer separating chamber, said separating chamber having in its upper portion an outlet for the lighter constituent located near the axis of the bowl, the said frusto-conical member extending, from near the bowl bottom and relatively close to the bowl's periphery, in an upward direction inclined to the axis toward said outlet, a third chamber rotatable with the bowl and located above and communicating with said outlet and having an outer wall sloping upward toward the periphery of the separating chamber, said bowl having a peripheral outlet for discharge

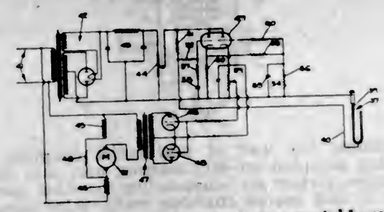


of the heavier separated constituent, a channel extending along the bowl top and communicating with said peripheral outlet, a fourth chamber above the third chamber rotatable with the bowl and located above the third chamber and communicating with said channel, a receptacle above the fourth chamber having an outlet relatively close to its pheriphery, a channel connecting the outer part of the third chamber and the outer part of said receptacle, the last named channel extending upward and outward throughout its entire length, and openings in the fourth chamber and in said receptacle for the discharge from the centrifuge of the respective separated constituents.

2,461,130
ROSARY UNIT
Casimir C. Szaj, Hales Corners, Wis.
Application February 4, 1946, Serial No. 645,381
1 Claim. (Cl. 235—123)

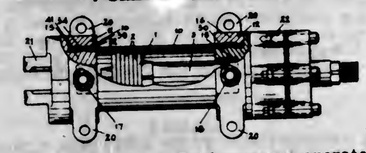
In an indicating instrument having a casing, a pair of eyes and an open slot in the front wall thereof, a pin carried numbered wheel having its periphery exposed in the front wall slot; the combination of a registering mechanism comprising an integral hub extending from the rear wall of the casing upon which the numbered wheel is journaled, a fixed arm radially extending from the end of the casing hub adjacent the front face of said wheel to confine the same against end play upon said hub, a numbered disc faced against the arm, a pintle carried by the numbered wheel extending through the arm, a spring controlled star wheel secured to the disc pintle upon the inner face of the arm, a pin carried by the numbered wheel engageable with the star wheel, guide lugs extending from the casing wall about the hub, an arm bracket reciprocatively mounted between the said numbered wheel and casing wall, whereby it is confined, a bow spring carried by the bracket having its ends engaging a pair of the guide lugs, and a dog extending from the central portion of the bracket engageable with the teeth of the star wheel.

2,461,131
ELECTRICAL CIRCUIT
Francis C. Todd, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application June 15, 1946, Serial No. 676,883
1 Claim. (Cl. 318—343)



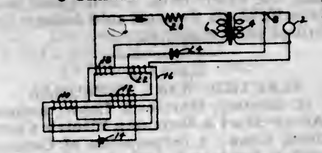
An electrical circuit including a variable speed electric motor, means for slowly and variably adjusting the speed of said motor including a normally closed motor circuit including the secondary winding of a transformer, means for smoothly varying the current delivered to said secondary winding including a primary winding connected to the output circuit of an electron-discharge tube having a grid-cathode control circuit with a resistor therein, means for smoothly varying the voltage across said resistor including a second electron-discharge tube in whose output circuit said resistor is connected, a control circuit for said second electron-discharge tube including a floating time control circuit provided by a condenser and high resistance shunt resistor, and switch controlled circuit means for charging said condenser and removing it to discharge through said resistance shunt.

2,461,132
FLUID PRESSURE UNIT
Bertis H. Urschel and Lorin H. Janser, Bowling Green, Ohio, assignors to Urschel Engineering Company, Bowling Green, Ohio, a corporation of Ohio
Application December 7, 1946, Serial No. 714,726
7 Claims. (Cl. 309—2)



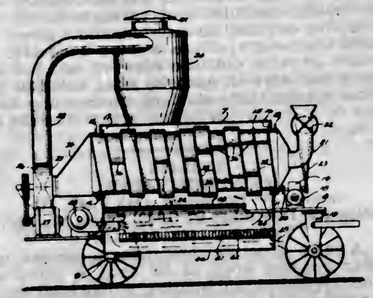
1. A cylinder, for a fluid pressure operated device, having an open end shell forming the cylinder body and means for closing said open end comprising a head element, disposed within the open end of the shell, the head element having protruding portions extending radially outwardly with respect to an axis concentric with the symmetrical center of the open end and terminating at points on an orbital line extending about and in a plane at right angles to said concentric axis and of a greater length, at temperatures normal to cylinder use, than the circumferential lineal dimensions of the inner surface of said shell open end, and in said plane an end element having an opening within which the open end of the shell is located, and the element having protruding portions extending radially inwardly with respect to said concentric axis and terminating at points on an orbital line extending about and in a plane at right angles to said concentric axis and of a shorter length, at temperatures normal to cylinder use, than the circumferential lineal dimension of the external surface of said shell open end in said plane, the protruding portions of each element being offset from the protruding portions of the other element.

2,461,133
ELECTRIC POWER SYSTEM
Philip John Walsh, San Francisco, Calif., assignor, by direct and mesne assignments, to Agency Electric Co., San Francisco, Calif., a limited partnership
Application December 6, 1943, Serial No. 513,153
8 Claims. (Cl. 175—363)



1. The method of converting alternating current from a source of alternating-current voltage to direct current in a circuit on which an alternating-current voltage is impressed, comprising passing alternate half cycles of current through said circuit in response to alternate half cycles of said impressed alternating-current voltage, and during each intermediate half cycle of said impressed alternating-current voltage, introducing a half cycle of voltage of substantially similar wave shape and duration, into said circuit at another point and in phase opposition thereto.

2,461,134
APPARATUS FOR TREATING MATERIAL WITH A GAS
Alex W. Arnold, La Crosse, Wis.
Application July 10, 1944, Serial No. 544,287
6 Claims. (Cl. 34—57)



4. Apparatus of the character described, comprising in portable compact form a frame, a casing thereon having apertured ends, a drum having an inlet and an outlet for material to be treated and rotatably mounted in the casing and

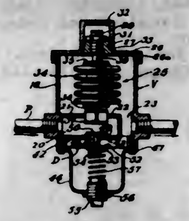
having its ends projecting from the casing apertures, said drum comprising a helical flange having segmental projections outside the drum and providing within the drum a helical channel therethrough, and mutually lapping volute peripheral wall portions disposed between successive flights of the flange and marginally connected to said projections to provide louver passages opening into the drum between successive flights of said flange, an inlet fitting connected with one end of the drum for delivering thereto material to be treated therein, a discharge fitting connected with the opposite end of the drum, a blower casing having an inlet with which said discharge fitting communicates, a separator mounted on said frame, a delivery pipe leading from said blower casing to said separator, means for rotating the drum in a direction opposite to the direction of tangential admission of gases from the casing to the drum through said louvers, the lapping of said volute wall portions being adapted to deliver material from said wall portions to successive wall portions of the drum across the louvers in the course of drum rotation, and said casing comprising a plenum chamber about the drum from which gases are supplied for admission through said louvers for the treatment of such material.

2,461,135
ELECTRIC WIRE TERMINAL
Robert H. Bentley, Hartford, Conn., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut
Application January 6, 1947, Serial No. 720,413
7 Claims. (Cl. 173—259)

6. An electric wire terminal connection comprising a plate portion having a screw-threaded aperture and a second aperture adapted to receive the bared end of a wire conductor, side portions bent out of the plane of said plate portion having recesses, a jaw member having trunnion portions entering said recesses providing a pivotal mounting for said jaw member, said jaw member having a hole in partial register with said second aperture and through which said bared wire end may be inserted, and a screw bolt in said threaded aperture bearing upon said jaw member to cause opposite edges of said jaw hole to grip said wire on opposite sides, said jaw hole having substantially straight intersecting sharp edges to increase the biting action thereof into the wire.

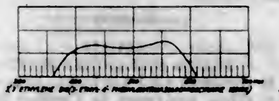
2,461,136
CONTROL VALVE
George W. Bernquist, Oak Park, Ill.
Application December 27, 1943, Serial No. 515,755
7 Claims. (Cl. 236—92)

2. A valve structure comprising a substantially tubular housing open at its ends, a removable cap on one end of said housing, a fluid inlet chamber within said housing including spaced walls each having an opening therein communicating with an outlet chamber within said housing, a valve member to cooperate with and be guided in one of said openings, the dimensions of the last mentioned opening with respect to the said valve member being such that this opening is not at any time entirely closed by the valve member so that some of the fluid is allowed to flow through the opening and past the valve member under any circumstances, a temperature responsive element connected to said valve member to control its position relative to said related opening, a stem on said temperature responsive element adjustably mounted in the cap to permit adjustment of said element and valve member relative to the related opening, a flexible diaphragm overlying the other end of said housing

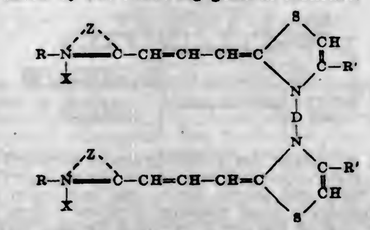


providing one wall of said outlet chamber, a casing mounted on said housing over said diaphragm, a valve seat surrounding the other opening in said spaced chamber walls, valve means secured to said diaphragm arranged to cooperate with said valve seat to control the flow through its related wall opening, said valve means including a valve disc and a stem, a spring disposed in the casing to urge the diaphragm and the connected valve means into a valve opening position, and means in the casing adjustable to vary the tension of said spring.

2,461,137
PHOTOGRAPHIC EMULSIONS SENSITIZED WITH N,N-ALKYLENECYANINE DYES
Leslie G. S. Brooker, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application September 4, 1946, Serial No. 694,837
6 Claims. (Cl. 95—7)



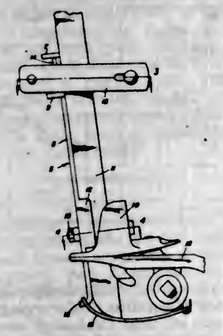
1. A photographic silver halide emulsion sensitized with at least one sensitizing bis carbocyanine dye selected from those which are represented by the following general formula:



wherein R represents a primary alkyl group of the formula C_nH_{2n+1} wherein n represents a positive integer of from 1 to 4, R' represents a member selected from the group consisting of the methyl group and the phenyl group, X represents an anion, D represents a member selected

from the group consisting of the ethylene, the trimethylene and the tetramethylene groups, and Z represents the non-metallic atoms necessary to complete a heterocyclic nucleus of the benzoxazole series.

2,461,138
LUG STRAP HANGER
Frank Buchanan, Guntersville, Ala.
Application October 13, 1947, Serial No. 779,625
1 Claim. (Cl. 139—154)



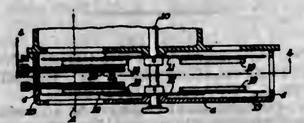
The combination of a picker stick for looms of a lug strap hanger comprising a rigid bar positioned vertically at the rear edge of a picker stick, means at the upper end of the bar engaging a lug strap to hold the strap on the picker stick, a single attaching means for the lower end of the bar, and means carried by the bar and engaging the picker stick to hold the bar in a perpendicular position, said first named means comprising upper and lower vertically spaced apart guard plates carried by the bar and projecting rearwardly and laterally at each side of the bar, and a pad carried by the bar between the guard plates and positioned between the lug strap and the bar.

2,461,139
STARCH ESTER DERIVATIVES AND METHOD OF MAKING SAME
Carlyle G. Caldwell, Forest Hills, N. Y., assignor to National Starch Products Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 8, 1945, Serial No. 571,969
13 Claims. (Cl. 260—234)

1. An ungelatinized starch derivative comprising a reaction product of ungelatinized starch, water and an organic acid anhydride in an alkaline medium having a pH in the range of not substantially below 7 nor substantially above 11.

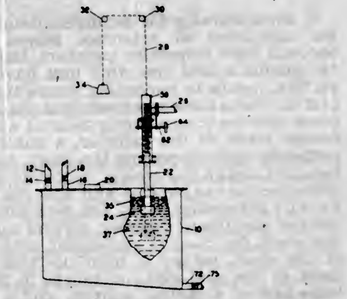
2,461,140
DOUBLE SHUTTER HEAT PROTECTION FOR MOTION-PICTURE PROJECTORS
John G. Capstaff, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application November 13, 1947, Serial No. 785,688
2 Claims. (Cl. 88—17)

1. A safety device for projectors comprising a source of light, a heat screen in the light beam, a rotary shutter in the light beam, said shutter comprising a pair of spaced shutter members, one on each side of the heat screen, fins carried by the shutter member facing the heat screen and having a path of movement close thereto to sweep off a layer of hot air adjacent the heat screen thereby cooling the heat screen, the fins carried



by the shutter members having a length approximately as long as the greatest dimension of the heat screen to sweep the air from the entire faces thereof as said fins pass across the surfaces of the heat screen during rotation of the shutter.

2,461,141
APPARATUS FOR THE TOP SEPARATION OF NITROTOLUENE
Marvin H. Carl, St. Louis, Mo., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
Original application January 27, 1943, Serial No. 473,712. Divided and this application February 9, 1945, Serial No. 577,119
1 Claim. (Cl. 23—285)



Apparatus for the separation of nitrotoluene from spent nitrating mixtures which comprises a nitrating kettle, a movable pipe extending down into said kettle, said movable pipe adapted to slide in telescoping relation over a fixed pipe, a ratchet connected to said movable pipe and outside said tank, a rotatable pinion in operative relation with said ratchet to raise and lower said movable pipe in said tank, counterbalancing means supporting said movable pipe independently of said fixed pipe, a cup enclosing and attached to the lower end of said movable pipe the lip of said cup lying in one horizontal plane, and the sides of said cup being spaced from said movable pipe, whereby liquid flowing into said movable pipe must reverse its direction, and gauge means to indicate the height of said cup in said tank.

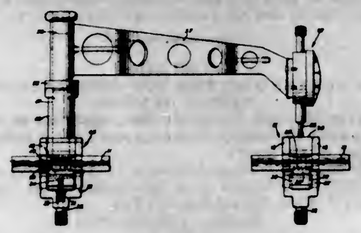
2,461,142
PRODUCTION OF BETA-TRICHLORETHANE
Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 26, 1944, Serial No. 551,452
2 Claims. (Cl. 204—163)

1. A process for producing beta-trichlorethane which comprises passing chlorine, hydrogen chloride and acetylene in substantially equimolecular

per gage supporting slide member adjustably sup-

proportions into a liquid chlorohydrocarbon containing a predominant amount of beta-trichlorethane, at a temperature between −30° C. and 25° C., in the presence of actinic light.

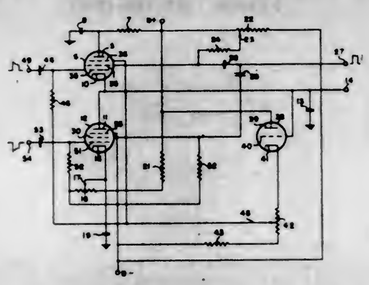
2,461,142
GAUGING APPARATUS FOR CHECKING THE RELATIVE ALIGNMENT OF REFERENCE PLANES OF SPACED ARTICLES
Harry W. Clifford, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 669,785
6 Claims. (Cl. 33—180)



6. An apparatus for gaging contoured member for alignment of reference planes extending through their respective members, the apparatus comprising a first centering unit having a plane surface, means to removably secure the centering unit to one of the members and cause the said plane surface thereof to lie parallel with the reference plane of the member, a shaft, a second centering unit supporting the shaft, means to removably secure the second centering unit to the other member to position and hold the shaft with its axis perpendicular to the reference plane of the last mentioned member, an arm supported by the shaft for rocking movement about the axis of the shaft, means to limit the rocking movement of the arm given distances in both directions beyond a central position, and a gage unit, supported by the free end of the arm, including a dial with indicia extending in both directions from a zero position, a pointer cooperating with the dial to register with the zero position if the reference planes are aligned, and a plunger to ride on the said plane surface of the first centering member to actuate the pointer relative to the dial to indicate alignment of the said reference planes or the degrees the said reference planes are out of alignment during rocking movement of the arm.

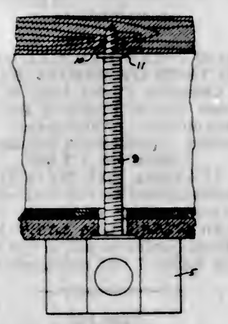
2,461,144
ELECTRICAL STORAGE DEVICE
John C. Cook, Afton, Wyo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application April 30, 1946, Serial No. 666,024
4 Claims. (Cl. 250—27)

1. An electronic circuit for developing and storing electrical potentials in accordance with predetermined signal potentials of short duration comprising a first multi-grid vacuum tube having anode and cathode electrodes, a second vacuum tube similar to said first vacuum tube having its anode electrode electrically connected to the cathode electrode of said first vacuum tube, a storage capacitor connected from the cathode of said first vacuum tube to a point of fixed potential, means for biasing the anode of said first vacuum tube positively with respect to said fixed potential, means for biasing the cathode of said second vacuum tube negatively with respect to said fixed potential, means associated with said positive bias means for biasing at least one grid of said first vacuum tube, cathode follower means for variably biasing at least one additional grid of said first vacuum tube, means for biasing the several grids of said second vacuum tube, means for impressing first signals on at least one grid of each of said first and second vacuum tubes,



means for impressing second signals on at least one grid other than the grid receiving said first signals in each of said first and second vacuum tubes, whereby when said first and said second signals are substantially coincident in time of arrival at said first and second vacuum tubes the amount of charge on said storage capacitor is altered in accordance with the type and magnitude of said first signals, and means for impressing the voltage across said capacitor after said alteration on an external circuit.

2,461,145
WALL BRACKET HANGER
William Carl Craver, Winston-Salem, N. C.
Application July 9, 1946, Serial No. 682,235
1 Claim. (Cl. 248—216)



A hanger for wall boxes having a central opening formed therein, an externally and internally threaded bushing secured within the opening, a screw embodying a threaded shank secured within the bushing, a reduced threaded end on the shank, said reduced threaded end of the shank adapted to be secured within a supporting member, and a washer secured to the shank at the base of the reduced end of the shank for engaging the supporting member and restricting movement of the screw into the supporting member.

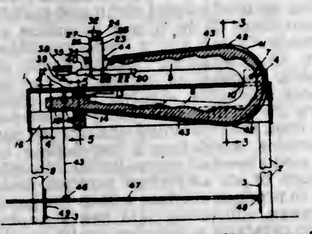
2,461,146
REFRACTORY LINING COMPOSITION
William C. Cress, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
No Drawing. Application February 5, 1945, Serial No. 576,269
2 Claims. (Cl. 106—68)

1. A composition adapted for use as a refractory lining for converters, ladles and the like consisting of a homogeneous mixture of ganister, silica flour and bentonite, approximately 50% by weight of said mixture consisting of ganister having a particle size varying from ⅜ inch to a particle size which will pass through a 28 mesh screen, approximately 30% by weight consisting of ganister having a particle size varying from ⅛ inch to a particle size which will pass through a 65 mesh screen, approximately 14% by weight being the silica flour and approximately 6% by weight being the bentonite.

2,461,147
DEHYDROGENATION PROCESS
Elwyn P. Davies, Alameda, and Frank T. Eggertsen, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 24, 1946, Serial No. 664,705
4 Claims. (Cl. 260—680)

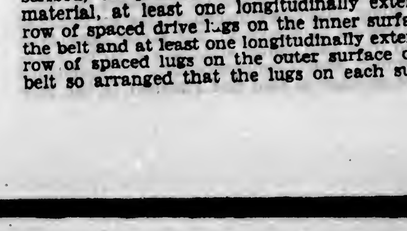
1. In a process for a dehyrogenation of a hydrocarbon at a temperature above 580° C. in the presence of added steam with a steam-stable dehydrogenation catalyst, the improvement which comprises contacting the vapors of the hydrocarbon to be dehydrogenated together with added steam under said temperature conditions with pellets of an alkali-promoted iron oxide containing catalyst prepared by forming a paste of the powdered catalyst ingredients and water, extruding the paste to form pellets, drying the pellets, and calcining them at a temperature between about 900° C. and 975° C. to activate and strengthen them and reduce the available surface to below about 10 square meters per gram, the amount of water used in forming said paste being sufficient that the catalyst pellets have an apparent density below 0.520 of the absolute density.

2,461,148
FLOATING CALIPER GAUGE
Henry Arthur Dawley, Kansas City, Mo.
Application April 22, 1947, Serial No. 743,038
7 Claims. (Cl. 33—147)



5. A floating caliper gage including a work supporting table having apertures formed through the opposite ends thereof, a pivoted U-shape caliper gage supporting bracket disposed through one of said apertures with its arms extending above and below said table, a head block pivotally supported on the outer end of said upper arm, a caliper gage supporting slide member adjustably supported in said head block, means for variably adjusting said slide member, a dial indicator caliper gage and upper gage pin removably supported on said slide member, a lower gage pin supported on the outer end of said lower arm for vertical movement through the other of said apertures, a treadle, means operated thereby for simultaneously moving both gage pins away from each other while placing an object therebetween to be gaged including a guide channel formed in the outer edge of said U-shape caliper gage supporting bracket, spaced bearing pins disposed transversely of said channel, and an operating cable secured to said pivoted head block being extended over said bearing pins in said channel, and secured at its opposite end to said treadle.

2,461,149
GARMENT HANGER
Joseph E. Ericson, Kensington, Conn.
Application April 30, 1946, Serial No. 666,086
1 Claim. (Cl. 223—86)



In a garment hanger, a wire member including a supporting hook and downwardly-diverging portions extending laterally of said hook adapted to provide shoulder-supporting portions for a body garment, said portions terminating in substantially vertical depending extremities, a tubular hanger bar open at both ends and adapted to contain a vapor-disseminating material, said bar being formed to provide a pair of vertically aligned apertures adjacent each end thereof, said vertical extremities of said wire member extending through said apertures to partially close said open ends but providing vapor passages therearound, the free ends of said extremities being upset below said bar and longitudinally thereof to retain said bar thereon, and said bar being formed to provide an opening in the upper surface thereof for the insertion of vapor-disseminating material therein.

2,461,150
ENDLESS TRACK
Theodore P. Flynn, Portland, Oreg., and Thomas Coldwell, Vancouver, Wash.; dedicated to the free use of the People in the territory of the United States
Original application June 15, 1944, Serial No. 540,510. Divided and this application May 28, 1946, Serial No. 672,902
2 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A track for a snow tractor of the class described, comprising an endless belt of flexible material, at least one longitudinally extending row of spaced drive lugs on the inner surface of the belt and at least one longitudinally extending row of spaced lugs on the outer surface of the belt so arranged that the lugs on each surface

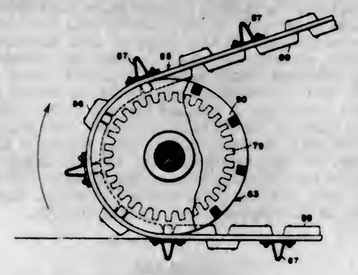
lie opposite the spaces between the lugs on the

sage in said pintle, sealing gaskets at each end

2,461,154

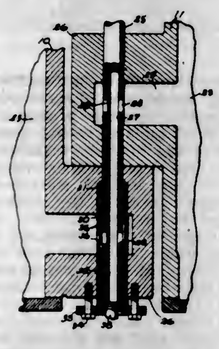
and the axes of the other two of said arms being

lie opposite the spaces between the lugs on the other surface, the longitudinal extremities of the lugs on one surface overlapping those on the



other, and securing means extending through the belt and the overlapping extremities for securing the lugs to each other and to the belt.

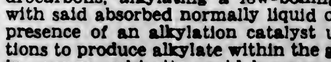
2,461,151
STEREOTYPE PLATE CASTING BOX
Frank A. Foster, Melrose Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1946, Serial No. 670,482
5 Claims. (Cl. 22—2)



3. A casting box for stereotype plates comprising, in combination, a complemental pair of hollow shells presenting generally semi-cylindrical inner faces adapted to receive a mat, each of said shells having a vacuum chamber therein from which lead suction ports opening into the inner face of the shell, a pintle having an axially extending passage therein leading from one end of the same, gudgeons rigid with respective ones of said shells and engaging said pintle to hinge said shells for opening and closing movement relative to each other, one of said gudgeons being freely journaled on said pintle and the other fixed thereon, means including passages in said gudgeons for establishing pressure equalizing intercommunication between said vacuum chambers through such passages and through said passage in said pintle, means for establishing a connection from said interconnected chambers to a vacuum pump, said one gudgeon having an enlarged bore therein, a sleeve in the latter bore telescoped over said pintle and having ports therein through which communication is established to the passage in said one gudgeon to the passage in said pintle, sealing gaskets at each end of said sleeve, and a stuffing box for compressing said gaskets.

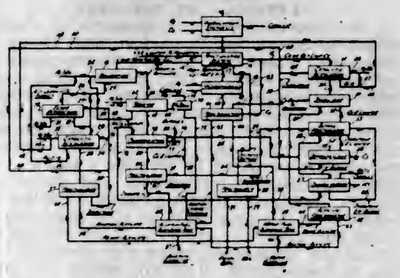
2,461,152
CELLULOSE ESTERS OF AMINO ACIDS
Thomas S. Gardner, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 8, 1945, Serial No. 627,549
7 Claims. (Cl. 260—225)

4. A mixed ester of cellulose of a lower fatty acid and an acid having the formula:



R being selected from the group consisting of aliphatic radicals and C_6H_4.

2,461,153
METHOD OF MANUFACTURING HIGH ANTI-KNOCK SYNTHESIS GASOLINE
Arthur R. Goldsby, Beacon, N. Y., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application April 14, 1945, Serial No. 588,309
8 Claims. (Cl. 260—450)



1. A process for the manufacture of high anti-knock gasoline from carbon oxides and hydrogen, which comprises reacting a carbon oxide and hydrogen in the presence of a synthesis catalyst under conditions effective to produce normally gaseous and normally liquid paraffin and olefin hydrocarbons containing a substantial proportion of normally liquid hydrocarbons within the gasoline boiling range, separating from the resulting synthesis products a light naphtha fraction containing normally liquid olefin and paraffin hydrocarbons from C_3 up to and including at least C_7 but below C_9 and also a heavy naphtha fraction above C_7, extracting olefins from said light naphtha fraction by contacting the same with an acid alkylation catalyst under conditions to absorb the olefins, separating the acid-olefin extract from the remaining unabsorbed paraffin hydrocarbons, alkylating a low-boiling isoparaffin with said absorbed normally liquid olefins in the presence of an alkylation catalyst under conditions to produce alkylate within the gasoline boiling range, subjecting said heavy naphtha fraction to catalytic conversion under conditions including an elevated temperature of about 900–1100° F. effective to lower the boiling points of a substantial proportion thereof and produce a broad boiling range gasoline of substantially improved antiknock value, and combining a gasoline fraction from said conversion step with said gasoline alkylate.

2,461,154
BENZILIC ACID SOLDERING FLUX
Thomas Alton Hale, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1945 Serial No. 608,080
5 Claims. (Cl. 148—25)

3. A non-corrosive and electrically non-conductive soldering flux consisting of 1 to 3 parts by weight of rosin and 1 part by weight of benzilic acid dissolved in a common solvent.

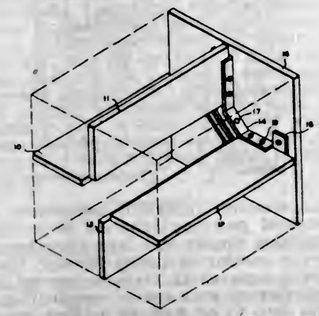
2,461,155
NAPHTHOIC ACID SOLDERING FLUX
Thomas Alton Hale, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application July 31, 1945, Serial No. 608,081
5 Claims. (Cl. 148—25)

3. A non-corrosive and electrically non-conductive soldering flux consisting of from 1 to 3 parts by weight of rosin and 1 part by weight of a compound selected from the group consisting of alpha naphthoic acid, beta naphthoic acid, alpha naphthoic acid anhydride and beta naphthoic acid anhydride, dissolved in a common solvent.

2,461,156
IMIDAZOLINES AND PROCESS OF MAKING SAME
Max Hartmann, Riehen, and Hans Isler, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application October 28, 1946, Serial No. 706,089. In Switzerland November 2, 1945
6 Claims. (Cl. 260—309.6)

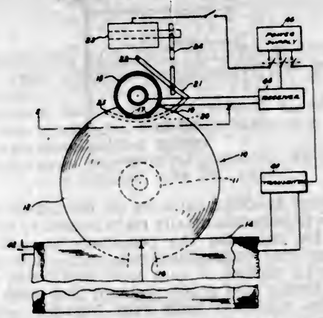
1. A member selected from the group consisting of the 2,2'-diphenylene-bis-imidazolines which are unsubstituted in the imidazoline ring, the 2,2'-diphenylene-bis-imidazolines which are substituted by a lower alkyl group in the imidazoline ring, and the inorganic acid salts thereof.

2,461,157
SHELF FOR ELECTRICAL APPARATUS
Lawrence T. Holden, Boston, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application March 26, 1946, Serial No. 657,302
6 Claims. (Cl. 211—90)



6. An end structure for sustaining four chassis cards relative to a wall, comprising a central portion and four arms secured to said central portion, the axes of said arms being substantially in a single plane and the axes of two of said arms being substantially parallel to each other and the axes of the other two of said arms being substantially parallel to each other and substantially perpendicular to the axes of the first two arms, means on said four arms respectively to sustain four chassis cards substantially normal to the plane which includes said four axes and the adjacent edges of said cards are spaced from each other.

2,461,158
RADIO PROTECTIVE DEVICE
Lowell M. Hollingsworth, Cambridge, and Louis D. Smullin, Arlington, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War
Application February 8, 1945, Serial No. 576,843
5 Claims. (Cl. 343—5)



1. A radio object-locating system operable from a source of electric power and comprising, in combination, an antenna for transmitting and receiving pulsed electromagnetic energy, transmitting apparatus electrically connected to said antenna thru a pair of transmission lines and receiving apparatus, wave transmission means including a walled cavity type transmit-receive switch electrically coupled to said transmission lines, the said switch being adapted to afford operative connections from said antenna alternatively to said transmitting apparatus and to said receiving apparatus, said switch enabling said wave transmission means to pass electromagnetic energy from said transmitting apparatus to said antenna and having a portion thereof in which a coupling is normally effected between said antenna and said receiving apparatus except for the duration of energy pulse transmissions by said system, a sheet-like electrically conductive member arranged to be pivotally inserted through a suitable slot in the wall of said switch, means under control of said power source for moving said member and operative when said system is cut off from said power source to move said member into electrical contact with portions of said transmission means affording connection to said receiver apparatus adjacent said coupling portion for effecting cavity detuning and short-circuiting action thereby to protect said receiving apparatus from energy fields within said switch.

2,461,159
PULLDOWN MECHANISM FOR MOTION-PICTURE PROJECTORS
Miller R. Hutchison, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 23, 1947, Serial No. 763,081
11 Claims. (Cl. 88—18.4)

1. An intermittent film pull-down mechanism for use in a motion-picture projector having a

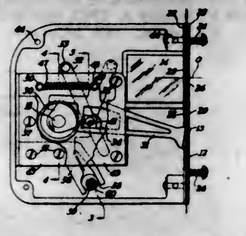
film gate through which a perforated film is

2,461,161

the cans, means to dry the cans as they travel through the drying compartment, and a plurality

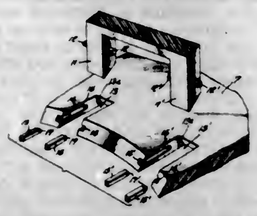
cover being manually slidable longitudinally of the magazine to provide for loading it with fas-

film gate through which a perforated film is adapted to be advanced past a projection aperture and comprising a peripheral cam having its axis lying in a plane substantially parallel to the plane of the film in the gate, means for continuously rotating said cam in a direction counter to that of the direction of film movement through the gate, a trunnion block located between said cam and said gate, a monoplanar pull-down lever having a straight surface intermediate its ends engaging the lower side of said trunnion block for constituting a fulcrum for said lever, a claw on one end of said lever for engaging the perforations in the film passing through said gate, top



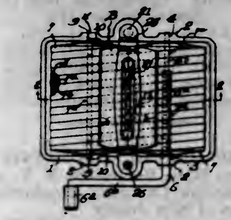
and front follower surfaces on the other end of said lever at substantially right angles to one another for engaging the periphery of said cam, whereby said cam effects the introductory and pull-down strokes of said lever and claw, and a spring acting on a portion of said lever above said trunnion block to hold said follower surfaces against said cam and pivot the lever counterclockwise about said trunnion, whereby said spring and the frictional forces between the cam and horizontal follower surface furnishes the force necessary to withdraw the claw from the film perforation at the end of a pull-down stroke and the spring alone furnishes the necessary force to return the claw to its starting position.

2,461,160
TOILET SEAT COVER
Maurice Joyce, Port Washington, N. Y.
Application August 18, 1947, Serial No. 769,244
4 Claims. (Cl. 4—235)



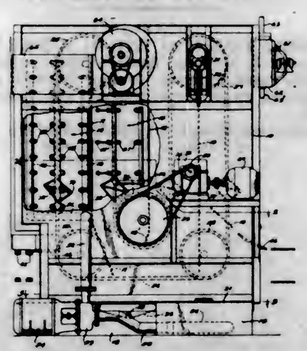
1. A cover for a toilet seat formed of a molded material and provided with an opening therein for accommodating the seating of a child thereover, a supplemental lid for said cover opening also formed of molded material, and hinge means for pivotally connecting said lid to said cover comprising a pair of projections extending from the rear of said lid engaging a pair of corresponding recesses in said cover, pintles extending transversely from said projections and adapted to be fitted within grooves in the lateral walls of said recesses and backed with splines conforming to said grooves, whereby said pintles are completely embedded within said cover.

2,461,161
RAZOR BLADE SHARPENER
James T. King, Burbank, Calif.
Application May 2, 1947, Serial No. 745,401
4 Claims. (Cl. 51—90)



1. In a wafer blade sharpening machine, a case; a crank shaft journalled in suitable bearings in said case; a sharpening roller on said crank shaft; a floating sharpening roller in said case; spring means holding said floating roller in contact with said first mentioned roller, said means comprising a hook on the bottom of the case, a roller floater having a transverse portion located under the hook and having arms lying against the bottom of the case, said arms having upward extensions terminating in ends bent over toward one another and forming trunnions for said floating roller, and projections on walls of the case for holding said floater against pivoting on said hook; and means movably engaging said case for presenting a blade to said rollers to be sharpened thereby.

2,461,162
CAN WASHING MACHINE
Elmer R. Laird, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application December 11, 1944, Serial No. 567,563
10 Claims. (Cl. 134—72)



4. Can washing apparatus comprising a cabinet, vertical partitions therein providing vertical washing, rinsing and drying compartments, a conveyor passing vertically through the compartments successively, baskets carried by the conveyor formed with spaced parallel fingers to hold the cans to be washed, loading means including spaced parallel bars adapted to interleave with the fingers whereby the baskets can pick up cans from the bars, nozzles in the washing compartment to spray washing liquid on the cans as they travel therethrough, nozzles in the rinsing compartment to spray rinsing liquid on

the cans, means to dry the cans as they travel through the drying compartment, and a plurality of spaced sloping fingers adjacent the discharge end of the drying compartment to interleave with the basket fingers and unload cans from the baskets.

2,461,163
PRODUCTION OF INVERT SUGAR
William A. La Lande, Jr., Upper Darby, Pa., assignor to Attapulgus Clay Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 13, 1946, Serial No. 654,227
9 Claims. (Cl. 127—41)

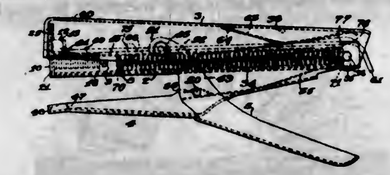
1. The method of producing invert sugar from a clarified sucrose solution, which comprises bringing said solution into intimate contact with bentonite at a temperature between 150° F. and 200° F., the weight ratio of sugar solids to bentonite being not greater than 15 to 1.

2,461,164
WEAR INDICATING ATTACHMENT FOR DRILLING BITS
Farral Francis Lewis, Houma, La.
Application March 19, 1947, Serial No. 735,628
2 Claims. (Cl. 255—61)

1. In a drilling bit, the combination of a body formed with a chamber to receive flushing fluid under pressure, an elongated receptacle provided in said body, a piston slidable in said receptacle and separating the same into upper and lower compartments, a conduit communicating with the lower compartment of said receptacle and having a normally closed but rupturable terminus disposed in a portion of said body subjected to wear, and a fluid indicating agent provided in the lower compartment of said receptacle and in said conduit, the upper compartment of said receptacle being in communication with said chamber whereby flushing fluid pressure is transmitted to said fluid indicating agent through the medium of said piston.

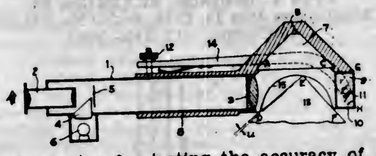
2,461,165
MAGAZINE FOR FASTENER APPLYING IMPLEMENTS
Charles M. Lindstrom, East Greenwich, R. I., assignor, by mesne assignments, to Bostitch, Inc., a corporation of Rhode Island
Application March 29, 1945, Serial No. 585,486
14 Claims. (Cl. 1—49)

1. In a fastener-applying implement, a magazine for supporting a supply of fasteners, a cover overlying the magazine for preventing displacement of the fasteners supported thereby, said cover being manually slidable longitudinally of the magazine to provide for loading it with fasteners, and resilient means acting against the



top of the cover for holding the cover in place on the magazine and applying frictional resistance to its sliding movement.

2,461,166
INSTRUMENT FOR TESTING THE ACCURACY OF THE ANGLE BETWEEN TWO PRISM FACES
Benjamin E. Luboshez, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 2, 1945, Serial No. 591,502
3 Claims. (Cl. 88—14)



2. Apparatus for testing the accuracy of the right angle of a prism having two surfaces at right angles, comprising an eyepiece, a reticle in the focus plane of the eyepiece, means for illuminating the reticle, an objective optically at its focal length from the reticle in optical alignment with the eyepiece and reticle, for receiving light from the reticle and for collimating it, a mount for the eyepiece, reticle and objective having an open portion in front of the objective for receiving the prism to be tested with the two surfaces in the collimated beam of light from the objective, and a plurality of reflecting surfaces carried by the mount precisely oriented relative to one another for receiving the collimated light reflected by the surfaces of prism when in said open portion and for reflecting it back to the surfaces of the prism and thence back through the objective into focus in the reticle plane.

2,461,167
CONVEYER AND TRANSFER MECHANISM
Clarence J. Malhiot, Oak Park, Ill., assignor to F. B. Redington Co, Chicago, Ill., a corporation of Illinois
Original application May 8, 1942, Serial No. 442,205. Divided and this application September 9, 1944, Serial No. 553,448
11 Claims. (Cl. 198—33)

7. In a wrapping machine, a continuously moving article conveyor, a continuously rotating transfer wheel having circumferentially spaced article receiving pockets adapted to receive articles from the conveyor on one side of said wheel, to invert the articles and return the same to said conveyor on the other side of the wheel, said conveyor having spaced pusher members thereon adapted to engage articles and deliver them successively in the pockets of the wheel, a cam track in position to cooperate with said pusher elements as they reach the wheel to retract the

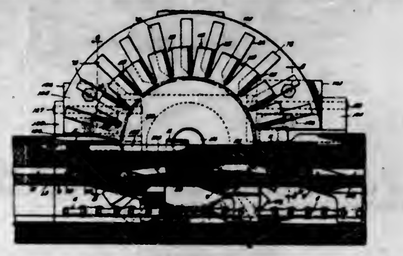
same from article engaging position as the article

terial, the particles of which move without sepa-

the latter disposed radially and with their free

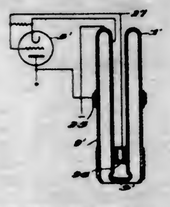
2,461,173
SEISMIC SURVEYING

same from article engaging position as the article pushed thereby enters a corresponding wheel pocket, on one side of the wheel, said cam track serving to return said pusher members to article



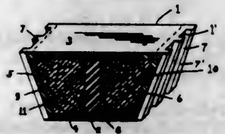
engaging position as the same reach the other side of the wheel whereby to eject articles in inverted position from said pockets at the other side of the wheel.

2,461,168
RESONANT SPARK PLUG
Oran T. McIlvaine, St. Charles, Ill.
Application July 11, 1944, Serial No. 544,395
19 Claims. (Cl. 315—209)



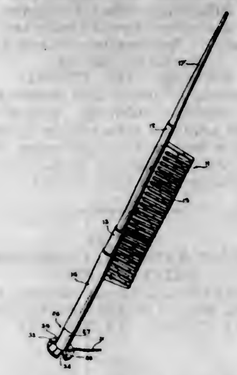
1. An all metal spark plug comprising an outer and an inner tubular electrode, each electrode being open at one end and closed at the opposite end, the closed end of the inner electrode being associated with the open end of the outer electrode for a disruptive high frequency discharge.

2,461,169
POWER TRANSMISSION BELT
Edwin August Miller, Fairfield, Conn.
Application June 27, 1944, Serial No. 542,314
2 Claims. (Cl. 74—233)



1. A power transmission belt of V-type comprising a top portion extending throughout the length of the belt and defining the outer circumference of a flexed belt portion; a base belt portion of lesser width than that of the top portion and defining the inner circumference of said flexed belt portion; converging side portions connecting said top and base portions; a flexible member of block rubber, or the like, centrally connecting said top and base portions; and a suitable fluid material between said block rubber member and said top and converging side portions, the slight lateral yielding of said fluid material, the particles of which move without separating the mass, is substantially resisted by said centrally positioned flexible member.

2,461,170
TRICUELER
Jack J. Morretta, Scarsdale, N. Y.
Application November 19, 1945, Serial No. 629,598
6 Claims. (Cl. 132—35)

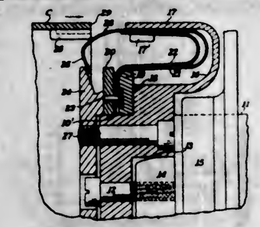


6. An article of the class described, comprising in combination a relatively wide member formed at one end with a longitudinal extension and grooves in opposite faces thereof adjacent one longitudinal edge of said wide member, a plurality of interengaged tubular curlers formed with aligned slots and engaged upon the said one longitudinal edge of said wide member with the material on opposite sides of said aligned slots engaging said grooves, said tubular curlers having their adjacent ends projected beyond the end of said wide member opposite said longitudinal extension and upon which a lock of hair can be wound for forming a curl, a scalp guard for receiving the curl formed on said tubular curlers and holding it a desired length of time to set the curl, comprising a cylindrical portion of a diameter equal to the diameter of said tubular curlers, a reduced portion formed on one end of said cylindrical portion and engageable into the open end of the inner of said tubular curlers with the cylindrical portion in concentric end alignment with said tubular curlers so that a curl formed on said tubular curlers may be slipped axially off said tubular curlers onto said cylindrical portion after which said tubular curlers are removed from said reduced portion, and means on said cylindrical portion engageable with the curl for holding it releasably in position on said cylindrical portion.

2,461,171
CENTERING SUPPORT
Leon P. Morey, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 14, 1946, Serial No. 647,587
3 Claims. (Cl. 242—46.6)

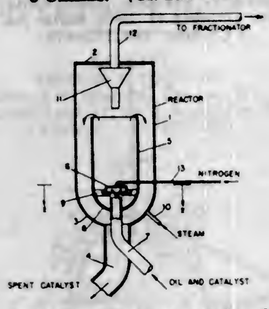
1. A core support for tubular cores of the type having one or more protuberances, said support comprising a plurality of springs between any two alternate units of which said protuberances may be inserted to serve as means for driving said core, a rotatable head, a ring member mounted on said head and carrying said springs with

the latter disposed radially and with their free ends recurved toward the axis of said head, whereby portions of the faces of said springs con-



stitute a concentric resilient seat for said core and parts of the edges of said springs constitute driving means therefor.

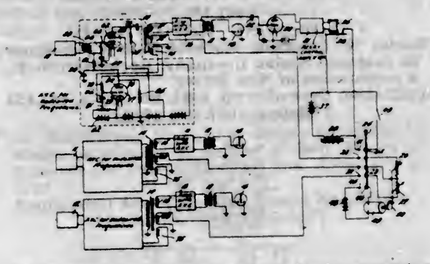
2,461,172
PYROLYTIC CONVERSION OF HYDROCARBONS
Harry Louis Pelzer, Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application June 11, 1947, Serial No. 754,018
6 Claims. (Cl. 196—52)



1. In the fluid catalyst process for the conversion of hydrocarbons wherein a finely divided catalyst at an elevated temperature is brought into contact with hydrocarbon vapors to be converted in a conversion chamber, the step of injecting a suspension of the catalyst in the hydrocarbon vapors, as a substantial vertical, high velocity stream, into the lower end of a vertically elongated, cylindrical conversion chamber, suddenly breaking the velocity of the stream and deflecting the stream downwardly and radially outwardly, reducing the turbulence of the radially directed stream, distributing it substantially uniform and passing the suspension upwardly through the conversion chamber.

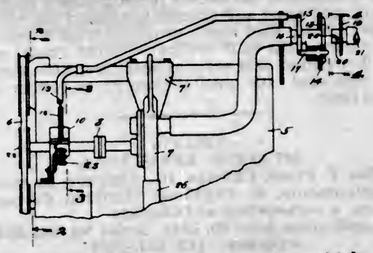
5. Apparatus of the type described comprising a closed, vertically elongated chamber, a second vertically elongated chamber coaxially positioned in the first chamber and in open communication therewith at its upper end, a conduit entering the lower end of the inner chamber and terminating therein, the inner end of the conduit being directed substantially vertically and coaxially positioned with respect to the chambers, a substantially circular cap having downwardly projecting edges placed directly above the inner end of said conduit, straightening vanes extending radially from the sides of the cap to the inner walls of the inner chamber, and conduit means leading from the lower end and upper end, respectively, of the outer chamber.

2,461,173
SEISMIC SURVEYING
Josephus O. Parr, Jr., San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application August 27, 1945, Serial No. 612,739
7 Claims. (Cl. 177—352)



1. In apparatus for use in seismic surveying, the combination with a plurality of seismometers, of a plurality of recording devices, compositing means for combining signal energy derived from at least two of said seismometers and delivering such combined energy to one of said recording devices, and an automatic volume control circuit interposed between each of said last named seismometers and said compositing means and responsive to the arrival at the associated seismometer of energy of undesired frequencies in excess of a predetermined energy level for reducing the total energy transmitted to such compositing means from such seismometer, whereby the level of energy of undesired frequencies so combined by said compositing means is rendered more nearly equal and out of phase energy of undesired frequencies is more completely cancelled.

2,461,174
AUTO VACUUM CLEANER
Harry A. R. Peterman, Chicago, Ill.
Application April 15, 1946, Serial No. 662,336
3 Claims. (Cl. 230—14)



2. The combination with a motor vehicle internal combustion engine and the belt of the fan driving mechanism thereof, of a vacuum cleaning device, comprising a suction fan and housing adapted to be attached to the engine, an air intake hose connected with the housing, a flexible power shaft extending into the housing and on which the suction fan is secured, a pulley on one end of the shaft, a bearing in which the shaft is eccentrically mounted, a flexible operating shaft, an arm connected with said bearing and to which one end of the operating shaft is connected, a lever connected with the opposite end of the flexible operating shaft, a push rod connected with the lever, a removable air intake hose including a pipe section having a flange, said flange engaging the push rod when the removable intake hose is connected with the first-mentioned air

intake hose, rotating the bearing whereby the

tilted longitudinally, and adapted during drive

member affixed to the said bracket, the said dis-

pound and a manganese-chromium alloy having a composition within the range:

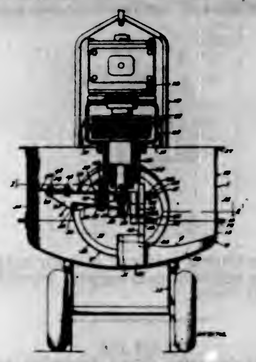
intake hose, rotating the bearing whereby the power shaft is adjusted, moving the pulley into engagement with the belt of the fan driving mechanism operating the suction fan.

2,461,175
PANORAMING TRIPOD HEAD
Charles W. Peterson, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application December 29, 1945, Serial No. 637,853
3 Claims. (Cl. 248—183)

2. A panoraming tripod head comprising a base which is adapted to be detachably connected to the top of a tripod; a vertical bearing shaft fixed to and extending a substantial distance from said base; a U-shaped lower frame having its cross arm rotatably engaging said shaft adjacent the base for horizontal rotation; a U-shaped upper frame disposed with its vertical arms in overlapping relation with those of the lower frame; a horizontal bearing shaft extending through one pair of overlapping arms and rotatable with respect to at least one of the arms; a second horizontal bearing shaft extending through the other pair of overlapping arms of the two frames in alignment with said first-mentioned horizontal bearing shaft, and fixed to one arm while rotatable with respect to the other; means on the cross arm of said upper frame for attaching a camera thereto; a handle fixed to the upper frame for controlling the movements of the head; means for frictionally restraining the combined horizontal rotation of the two frames about the vertical bearing shaft and a vertical rotation of the upper frame about the horizontal bearing shafts; said first-mentioned horizontal bearing shaft fixed to one of said arms and extending toward the center of said head, said shaft provided with a hole in alignment with said vertical bearing shaft; and the free end of said vertical bearing shaft extending into said hole with a close fit to render the head rigid.

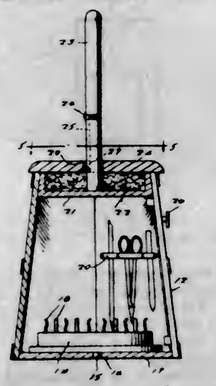
2,461,176
MULLING APPARATUS
Walter F. Piper, Chicago, Ill., assignor, by mesne assignments, to Pettibone Mulliken Corporation, a corporation of Delaware
Application June 30, 1945, Serial No. 602,564
5 Claims. (Cl. 241—124)

2. In a mulling apparatus comprising a bowl-like receptacle embodying a bottom wall and a continuous upstanding side wall and adapted to retain the material to be mulled, a rotary power driven crosshead positioned over and in spaced relation with the receptacle bottom wall, and a rotary mulling wheel carried by the crosshead and adapted during drive of the latter to travel in a circular course within the receptacle interior and effect mulling of the material by squeezing it against said receptacle, a horizontally elongated plow positioned beneath the crosshead and directly over the receptacle bottom, extending outwards from the central part of the receptacle to the side wall, having means between it and the crosshead whereby it is connected to rotate conjointly with the crosshead while at the same time it is capable of being adjusted vertically and also tilted longitudinally, and adapted during drive of said crosshead to travel in a circular course



over the receptacle bottom and deflect the material outwards into the path of the mulling wheel.

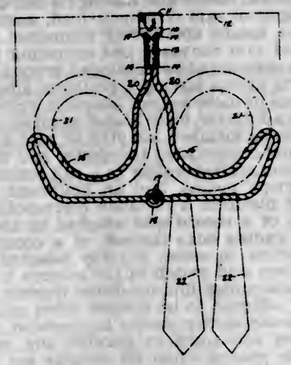
2,461,177
MANICURE CASE
Clyde G. Prestien, Berea, Ohio
Application October 18, 1946, Serial No. 704,257
2 Claims. (Cl. 132—79)



1. In a manicure case, an open top housing of conical frustum shape, a pair of doors arranged on the side of said housing and mounted for movement toward and away from each other for gaining access to the interior of the housing, a strap member provided with a plurality of loops secured to the inside surface of said doors for supporting manicuring implements thereon, a base stand member arranged in said housing and rotatably supported on the bottom of the latter for supporting containers of manicuring fluids thereon, a dish member closing the open top of said housing for supporting absorbing cotton thereon and a cover disc on said dish member and supported by said housing.

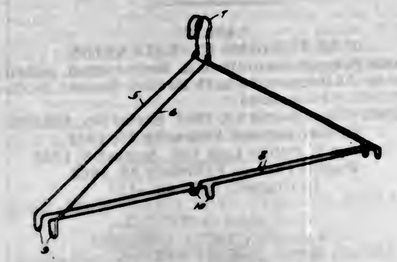
2,461,178
HAT AND TIE HOLDER
Fred A. Reinke, Cleveland, Ohio
Application January 8, 1947, Serial No. 720,740
4 Claims. (Cl. 211—32)

2. A hat and tie holder comprising a bracket for mounting on a door and a distortable body member affixed to the said bracket, the said distortable body member being shaped into two oppositely disposed, semi-U-shapes and spaced away from the said door for the reception of hats,



the outer ends of the said body member being brought together in a central location and a spacing member affixed thereto for spacing the said body member with respect to the said door.

2,461,179
TROUSER HANGER
Robert G. Rogalla, Racine, Wis.
Application June 12, 1946, Serial No. 676,125
2 Claims. (Cl. 223—95)



1. A trousers hanger formed of a length of wire material constructed to provide triangular parallel identical hanger sections, a spring hook formed integral with the sections normally drawing the sections towards each other, a lower rod forming a part of each hanger section, the ends of said sections being extended downwardly, inwardly and upwardly forming continuations of the lower rods and providing spaces at the ends of the lower rods for the reception of trousers' cuffs supported by the hanger.

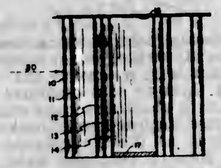
2,461,180
COATED WELD ROD
Ernest Clarence Rollason, Waltham Abbey, England, assignor to Metal and Thermit Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 16, 1946, Serial No. 703,490. In Great Britain November 8, 1945
3 Claims. (Cl. 219—8)

1. A flux-coated welding electrode in which the flux ingredients comprise an alkali metal compound and a manganese-chromium alloy having a composition within the range:

	Percent
Manganese	50 to 98
Chromium	0.5 to 7
Carbon not exceeding	1.5
Silicon not exceeding	5
Copper not exceeding	5

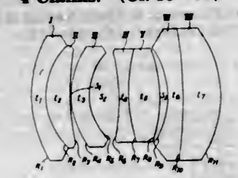
Iron with traces of normal impurities remainder.

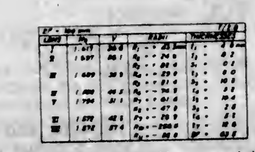
2,461,181
REFLECTING DEVICE
Paul Rosenberg, Brookline, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War
Application August 8, 1945, Serial No. 609,659
16 Claims. (Cl. 177—386)



1. A supersonic reflector comprising a plurality of hollow cylindrical elements of graduated sizes, means for maintaining said cylindrical elements in a substantially coaxial arrangement whereby a coded echo is produced when a pulse of supersonic energy impinges on said reflector, and means for suppressing undesirable echoes from said reflector.

2,461,182
FOUR COMPONENT PHOTOGRAPHIC OBJECTIVE HAVING THE FIRST TWO CEMENTED SURFACES CONVEX TO THE FRONT
Willy Schade, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,685
4 Claims. (Cl. 88—57)





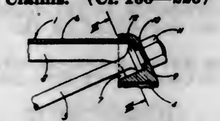
1. A photographic objective consisting of four components axially spaced in the following order: a positive meniscus component convex to the front, a negative meniscus component also convex to the front, a positive meniscus component, and a comparatively thick meniscus component of long focal length, the last two components being concave toward the front and enclosing between them an airspace having the shape of a positive meniscus lens, characterized in that each of the two positive components consists of

ate stage of said turbine means through said

ably mounted upon the drive shaft vertically over

a negative element cemented to the front of a positive element whose index is higher by at least 0.04 than that of the negative element, in that both cemented surfaces are convex to the front, and in that the radius of curvature of the concave surface of each of the two positive components is between two-fifths and two times the focal length of the objective as a whole.

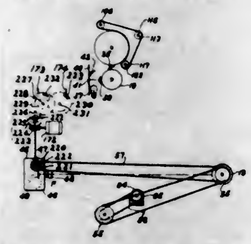
2,461,183
BRAKE BEAM
Frederic Schaefer, Pittsburgh, Pa.
Application April 4, 1947, Serial No. 739,282
8 Claims. (Cl. 188—228)



1. A brake beam comprising a compression member having inturned ends provided with openings therethrough, a tension rod having its ends extending through said openings, said rod being provided with abutting means engaging the inner faces of said inturned ends, brake heads at the opposite ends of the compression member provided with sockets receiving said inturned ends, each head having an opening in it through which the adjacent end of the tension rod projects, and fastening members mounted on the projecting ends of the rods and bearing against the outer faces of the brake heads to clamp the heads and the ends of the compression member tightly against said abutting means.

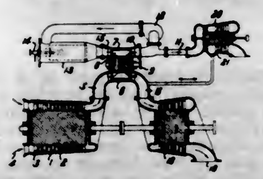
2,461,184
WITHDRAWN

2,461,185
RECORD HANDLING AND COPYING APPARATUS
Alvin E. Schubert and Harvey P. Hintz, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 8, 1943, Serial No. 471,706
29 Claims. (Cl. 88—24)



1. In an apparatus for handling and copying records, the combination with a casing provided with an opening, a photographic copying machine within said casing and including a camera adapted to contain a film and having a switch operated according to a film condition in said camera and including a document feed with its entrance adjacent said opening and having a rotatable member for moving records widthwise through and out of said document feed, a driving means for said copying machine, an auxiliary film-advancing means for winding a predetermined length of film through said camera, a carriage assembly on said casing adjacent to and filling said opening and carrying an intermittent record feeder, a continuous conveyer having an arcuate document path, adapted to receive records from said feeder and having its exit opposite the entrance of said document feed, and a common drive means operatively connected to said feeder and said conveyer and operating in synchronism with the aforementioned driving means, a receiving means having a platform adapted to support one or more records edgewise thereon and including a follower plate biased to move towards said rotatable member, adapted to hold a record in frictional engagement therewith, and movable to a position corresponding to a full condition of said receiving means, and an abutment spaced from said platform a distance corresponding to the width of a record and adapted to abut and stop the leading edge thereof, of a control circuit including in series a relay adapted to be opened when said switch in the camera is closed by a predetermined film condition therein, a second relay adapted to be opened when said auxiliary film-advancing means is operated, a pair of switches connected in parallel and adapted both to be opened when no records are in the document path of said feeding means, a starting switch for shunting said pair of switches, and a switch adapted to be opened when said member of the receiving means is moved to full position, an operating circuit interrupted by opening of said control circuit and rendering said common driving means inoperative, a second control circuit completed by the opening of the first-mentioned control circuit and adapted after all the records in said copy machine have been photographed to render inoperative the drive means therefor.

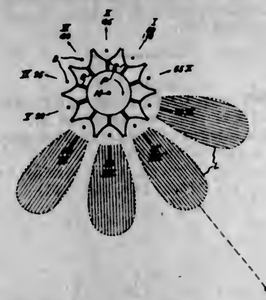
2,461,186
GAS TURBINE INSTALLATION
Claude Seippel, Ennetbaden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application March 16, 1943, Serial No. 479,369
In Switzerland February 20, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires February 20, 1962
13 Claims. (Cl. 60—41)



6. In a combustion gas turbine plant, a combustion chamber, means for supplying fuel to said chamber, a multistage air compressor means for supplying compressed air to said combustion chamber, a turbine having an inlet connected to said combustion chamber, a second turbine of multistage type having an inlet connected to the outlet of said multistage air compressor means, and a bleeder connection from an intermediate stage of said second turbine to the inlet of the first turbine.

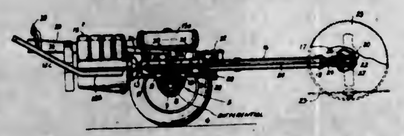
9. In a combustion gas turbine plant, a combustion chamber, means for supplying fuel to said combustion chamber, compressor means including a low pressure turbo-compressor stage and a high pressure cell-runner pressure exchanger stage, multistage turbine means, conduit means for delivering combustion gases to an intermediate stage of said turbine means through said pressure exchanger, and conduit means connecting said combustion chamber to a low pressure stage of said turbine means to supply pressure gas thereto in by-pass relation to said pressure exchanger.

2,461,187
DIRECTION FINDING APPARATUS
Willy Steinmann, Zurich-Wipkingen, Switzerland, assignor to Patelhold Patentverwertungs- & Elektro-Holding A.-G., Glarus, Switzerland
Application May 4, 1945, Serial No. 591,859
In Switzerland May 6, 1944
30 Claims. (Cl. 343—106)



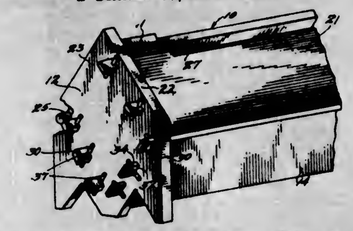
1. In the art of radio direction finding, the process of establishing a field in space which comprises, propagating a plurality of elongated directional radio frequency beams in different directions from a point of transmission, simultaneously and periodically displacing said beams angularly through a predetermined angle, modulating each of said beams with an individual identifying signal, and simultaneously varying the modulating frequencies of the several beams as they are displaced to develop a field pattern of identifying signals which remains substantially fixed in space during displacement of said beams.

2,461,188
SELF-PROPELLED TREE FELLING AND LOG CUTTING SAW RIG
Forrest H. Stoner, Dixon, Mo.
Application October 11, 1945, Serial No. 621,761
1 Claim. (Cl. 143—43)



In an apparatus of the kind described, a two-wheel truck or chassis, the wheels thereof being rigidly mounted upon the ends of a two-part axle shaft the parts thereof being operatively connected by a differential unit, a supporting frame balanced upon the said truck, a power unit and controls at the rear of the frame, timber sawing elements at the forward portion of the frame, a drive shaft operatively connecting the power unit with the timber sawing elements, a stub-shaft journaled vertically in the chassis over the said differential and having a gear at its lower end intermeshing with and operating the differential, a horizontally disposed, bevelled driven gear at the upper end of the said stub-shaft and keyed thereto, a gear-shift tube slidably mounted upon the drive shaft vertically over the differential and the said driven gear, this tube being of a length to overlap the driven gear and being longitudinally slotted to slidably receive a lock pin thereinto as extended from the drive shaft, a lock pin extended as stated from the drive shaft into the slot of the gear shift tube, bevelled pinion gears keyed upon the ends of the gear shift tube in such relation thereto and to the said horizontally disposed, bevelled driven gear at the upper end of the stub shaft, that either of the pinion gears may alternately be intermeshed with the driven gear as desired by sliding the tube forwardly or rearwardly, for driving the chassis either forwardly or rearwardly as desired, and means for thus sliding the gear shift tube forwardly or rearwardly for the stated purpose.

2,461,189
MOP CLEANER AND HOLDER
Leo Stanley Thiel, Des Plaines, Ill.
Application October 18, 1945, Serial No. 623,099
1 Claim. (Cl. 15—142)



A mop cleaner and holder comprising a receptacle having a dust receiving base, a reticulated partition supported upon the walls of said base, a cover for said holder including an upwardly inclined top member overlying a portion of said base, a second upwardly inclined top member hinged to said base, said top members having a conterminous edge above the longitudinal center line of said base and a mop handle receiving slot in said conterminous edge whereby a mop handle may be moved and retained therein while a mop is scraped and rests upon said reticulated partition, said slot being disposed intermediate and longitudinally of said cover and comprising complementary notches in the adjacent edges of said top members, said first-mentioned top member being rigidly secured to said receptacle and said second-mentioned member abutting the edge of said first-mentioned top member in their closed position.

2,461,190
ADJUSTABLE MOUNT FOR OPTICAL ELEMENTS
Frederick J. Wolff, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 4, 1945, Serial No. 608,977
9 Claims. (Cl. 248—180)

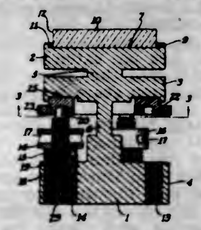
1. An adjustable mount for optical elements comprising a support, a pressure surface, an optical element holding surface on the support, a first bendable neck forming the sole connection between said holding surface and said pressure surface included in the support, a base carried by the support spaced from the pressure surface and connected thereto by a second bendable neck, said second bendable neck bending more readily than said first bendable neck, and means extending between the base and pressure surface for

bending the second bendable neck and for hold-

lie close to and parallel with said vertical shaft, the first named arm aforesaid, when in its neu-

connection of the first and second terminals while the switch is "On" will provide a path of con-

bending the second bendable neck and for holding the second bendable neck in a predetermined



position, said first bendable neck preventing distortion of the optical element holding surface when the bendable neck is bent.

2,461,191
VACUUM DISTILLATION OF TRIMETHYLAMINE FROM DIMETHYLAMINE
Dale F. Babcock, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 21, 1947, Serial No. 781,257
3 Claims. (Cl. 202—52)

1. In a process for the separate recovery of dimethylamine and trimethylamine from a mixture of said amines, the step comprising using a pressure less than 500 mm. Hg absolute in the distillation of substantially all the trimethylamine from said mixture whereby substantially pure dimethylamine is left.

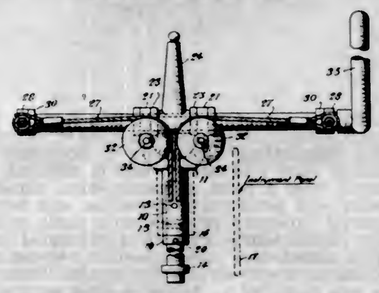
2,461,192
METHOD OF RECLAIMING SCRAP VULCANIZED RUBBER
Fernley H. Banbury, Woodmont, Donald A. Comes, Woodbridge, and Carl F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 31, 1947, Serial No. 765,256
20 Claims. (Cl. 260—5)

1. A process of treating a scrap vulcanized rubbery butadiene polymer which comprises subjecting a mass of such scrap in a confined working space to intense shearing action while exerting mechanical pressure thereon to compact and densify the mass, the pressure being sufficiently high to enable said shearing action to develop a power input averaging at least about 1.5 horsepower per pound of the scrap for a period of time within the range of approximately three to twelve minutes, the lower the said average horsepower per pound the longer the said period of time and vice versa.

2,461,193
PROCESS OF TREATING WASTE MATERIAL CONTAINING RUBBER
Fernley H. Banbury, Woodmont, Donald A. Comes, Woodbridge, and Carl F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 13, 1947, Serial No. 768,510
16 Claims. (Cl. 260—5)

1. A process of treating a waste rubber stock having an unvulcanized rubbery butadiene polymer as a component thereof, which comprises subjecting a mass of such stock in a confined working space to intense shearing action while exerting mechanical pressure thereon to compact and densify the mass, the pressure being sufficiently high to enable said shearing action to develop a power input averaging at least about 1.5 horsepower per pound of stock for a period of time within the range of approximately three to twelve minutes, the lower the said average horsepower per pound the longer the said period of time and vice versa, thereby causing the polymer to become substantially vulcanized in the early stage of said period of time and the thus vulcanized polymer to become devulcanized and the mass converted into a substantially homogeneous plastic condition in the subsequent stage of said period of time.

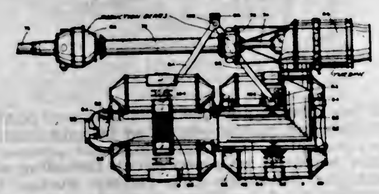
2,461,194
CONTROL UNIT FOR AIRPLANES
Walter Kerts Beetle, Jr., Hewlett, N. Y., assignor to Dayton Aircraft Products Sales, Inc., Dayton, Ohio, a corporation of Ohio
Application February 12, 1945, Serial No. 577,430
1 Claim. (Cl. 244—83)



A manually operated unit for combination with the elevators, ailerons and rudder of an aeroplane whereby these three manoeuvering controls may be operated through a single handle, said unit comprising: a vertical shaft for rotation about its longitudinal axis, a horizontal shaft whose longitudinal axis is perpendicular to the axis of said vertical shaft and having an operating handle secured thereto, bearings for said horizontal shaft carried by the upper end of said vertical shaft and in which said horizontal shaft is both slidable and rotatable, a cable for operating the elevators having its ends secured respectively to the ends of said horizontal shaft, an arm swingable in a plane which is perpendicular to the axis of said horizontal shaft and passes through the axis of said vertical shaft, one end of said arm being keyed to said horizontal shaft, connections secured to the other end of said arm for operating the ailerons, and an arm secured to said vertical shaft for operating the rudder; the said unit being characterized by the following: a pair of pulleys carried by the upper end of said vertical shaft each of which is mounted to rotate in a plane closely adjacent to said horizontal shaft and parallel to the axes of both said vertical and horizontal shafts, the effective radius of each said pulley being slightly less than the distance between its own axis and the axis of said vertical shaft, the said cable for operating the elevators extending parallel to and along said horizontal shaft from each end thereof to the respective pulleys aforesaid and thence over said pulleys and vertically down so as to

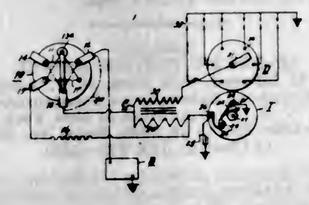
lie close to and parallel with said vertical shaft, the first named arm aforesaid, when in its neutral position, having its longitudinal axis coincident with that of said vertical shaft, and the said connections for operating the ailerons extending laterally from that said arm.

2,461,195
GENERATOR MOUNTING
Walter Kenneth Bodger, South Glastonbury, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 30, 1945, Serial No. 575,347
5 Claims. (Cl. 60—44)



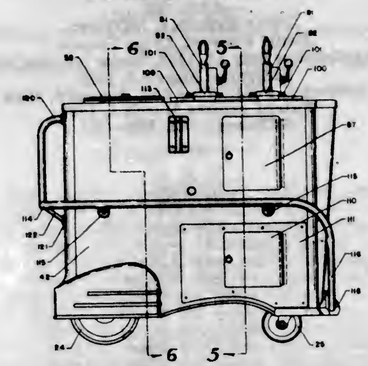
4. A power plant including a gas collector, a number of free-piston units arranged in groups around the collector, said groups being spaced longitudinally of the collector, a reinforcing ring around the collector centrally of each group of free-piston units on which the units of each group are cantilevered, and supporting means movable with respect to each other, and engaging the longitudinally spaced reinforcing rings for supporting the groups of generators.

2,461,196
IGNITION SYSTEM
William E. Brown, Andersen, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 25, 1948, Serial No. 10,657
1 Claim. (Cl. 315—77)



An ignition system comprising a current source, an ignition coil having a primary coil and a secondary coil, a timer having a contact connected with one end of the primary coil and a contact connected with the source and engaged by the first mentioned contact, a condenser having a terminal connected with the first contact and a terminal connected with the source, a switch having a first terminal connected with the source, a second terminal connected with the other end of the primary coil and having a third terminal, a resistance connecting the third terminal with the primary coil end first mentioned, a movable contact of the switch which, when in "On" position, connects the first and second terminals and which, when in "Off" position, connects the second and third terminals, whereby the primary coil ends are shunted through the resistance and connection of the first and second terminals while the switch is "On" will provide a path of condenser discharge through the resistance and bypassing the primary coil.

2,461,197
DISPENSING MACHINE
Joseph A. Chambers, Memphis, Tenn.
Application November 9, 1945, Serial No. 627,712
2 Claims. (Cl. 62—89)



1. In a dispensing machine of the character described, a wheeled chassis, a deep heat-insulated body mounted upon said chassis and having compartments therein for ice cream and beverages with access openings through the top of said body, covers on the body top for closing said compartments, dispensing devices having nozzles on the top of the beverage compartments, a drain compartment in the body situated beneath and accessible to said dispensing devices and adapted to receive therein a removable container for catching the drippings from the dispensing device, a door in a side of the body for giving access to the drain compartment for the removal and replacement of such container, drip pans mounted upon the top portion of the body beneath the nozzles of the dispensing devices and having downturned tubular necks and hollow tubes for receiving such tubular necks, said hollow tubes lying through the top wall of the body and projecting downwardly into the drain compartments.

2,461,198
CLAMPING DEVICE FOR ELECTRON TUBES AND THE LIKE
Arthur Chiger, New York, N. Y., assignor to Times Facsimile Corporation, New York, N. Y., a corporation of New York
Application June 23, 1947, Serial No. 756,360
3 Claims. (Cl. 248—361)

1. A clamp for electron tubes and the like, comprising a single metal blank having an annular means defining a punched-out opening to

register against the top of the electron tube to be clamped, and having a flexible strip portion

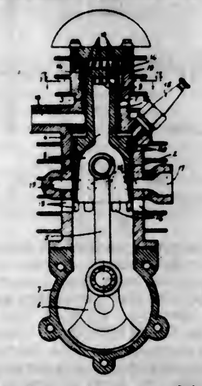
pole of said battery connected through another winding of said relay to the other conductor of

2,461,203
HAND TRUCK
Ralph C. Evans, Syracuse, N. Y.

inally on the opposite plate, and sliding such other needles of the said intermediate group across to such opposite plate with the stitch-loops sliding

register against the top of the electron tube to be clamped, and having a flexible strip portion which is bent back upon itself to substantially U-shape, the arms of the U having aligned openings, a rod passing through said openings, at least one of the arms of said U being normally inclined with respect to the rod to cause the edge of the opening therein to tightly engage the surface of said rod.

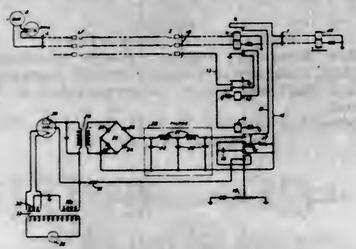
2,461,199
TWO-STROKE MOTOR
Henri Convert, Lyon, France
Application July 18, 1945, Serial No. 605,760
In France March 1, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 1, 1964
6 Claims. (Cl. 122—73)



1. A two stroke motor comprising a cylinder including two parts of different radii, a hollow stepped piston adapted to reciprocate in said cylinder, the narrower part of which forms a combustion chamber, a casing communicating with the inside of the piston and closing the base of the larger part of the cylinder, means for feeding a part of the combustible mixture into the outer end of the narrower part of the cylinder when the piston has moved outwardly, means passing through the inner end of the outer wall of the piston at a location angularly shifted with said feeding means for transferring said part of the combustible mixture through the hollow piston from the compression chamber into the casing when the piston has returned inwardly and subsequently transferring the mixture through the piston from the casing into the larger part of the cylinder when the piston has moved again outwardly and exhaust means communicating with the larger part of the cylinder.

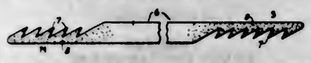
2,461,200
AUTOMATIC LINE VOLTAGE COMPENSATOR AND IMPULSE REPEATER FOR SIGNALING SYSTEMS
Arthur S. Dubuar, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 8, 1945, Serial No. 581,640
11 Claims. (Cl. 179—16)

1. In combination, a two-conductor line, an impulse receiving relay and a battery at one end of said line, one pole of said battery connected to ground and through one winding of said relay to one of the conductors of said line, the other pole of said battery connected through another winding of said relay to the other conductor of said line, an impulse repeating relay at the other end of said line, means including a contact of said impulse repeating relay for closing a loop circuit including said conductors, windings and battery to effect the operation of said impulse



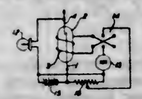
receiving relay, a non-grounded source of booster potential, and means controlled by said impulse repeating relay for connecting said source of booster potential in a loop circuit including said conductors, windings and battery during the transmission of impulses over said line corresponding to impulses received by said impulses repeating relay.

2,461,201
FLEXIBLE AND/OR ELASTIC SELF-LOCKING BAND
Robert P. Ellis, York, Pa.
Application July 4, 1945, Serial No. 603,122
7 Claims. (Cl. 2—311)



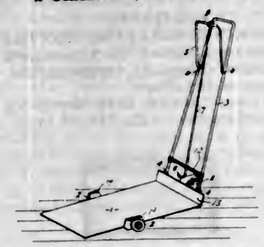
1. An elastic band provided with serrations on the faces of both ends thereof, the serrations all being of the same size and shape and permitting the interlocking of the serrations on one end with the serrations on the other end when said end are formed into a closed loop.

2,461,202
MAGNETIC TESTING DEVICE
Walter B. Ellwood, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 28, 1945, Serial No. 585,291
10 Claims. (Cl. 175—183)



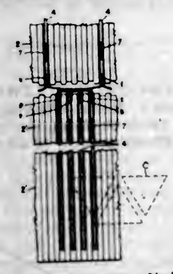
1. In a device for testing the residual magnetism of the core of a relay, a pair of magnetic reeds operative to attract each other when subjected to the full magnetization of said core when said relay is energized and operating to remain attracted to each other when subjected to the residual magnetism remaining in said core after said relay is deenergized, a coil around said reeds, means for energizing said coil to magnetize said reeds to overcome the magnetization caused by said residual magnetism and to cause said reeds to separate, and means for indicating the value of the energizing force required for said separation of the reeds as a symbol of the value of said residual magnetism.

2,461,203
HAND TRUCK
Ralph C. Evans, Syracuse, N. Y.
Application November 14, 1946, Serial No. 709,704
2 Claims. (Cl. 214—65.4)



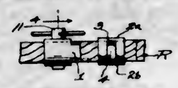
1. A hand truck including a platform, wheels supporting the same between the front and rear edges thereof, a rigid handle extending upward from the rear edge of the platform, a crank pivotally mounted on the handle on a horizontal axis and extending forwardly and horizontally therefrom, and a link depending from the handle for connection to an article to be lifted from the floor onto the platform, the crank being arranged to swing upwardly from a horizontal position and rearwardly toward a vertical position into a position in line and alongside the upper end portion of the rigid handle during the loading of the article on the platform.

2,461,204
CABLE STITCH KNITTING
Jack Fontaine, Cleveland, Ohio, assignor of 32½/100 to Leonard Rapaport, Shaker Heights, Ohio
Application January 30, 1946, Serial No. 644,209
5 Claims. (Cl. 66—63)



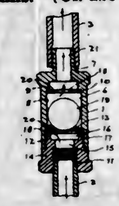
1. The method of knitting on link-and-link flat type knitting machines having grooved needle-plates and racking means, which comprises making cable stitches by providing in the grooves of the needle plates needles having an open hook at one end and a hook with closing member at the other end, forming a row of stitch-loops on the needle hooks on one plate in an intermediate group between spaced stitch-loops on oppositely directed hooks on the opposite plate, relatively moving some of the stitch loops and needles to position the initially more remote stitch-loops and needles of the said intermediate group near to one of said spaced stitch-loops and needles on the opposite plate and then sliding said relatively moved needles of the said intermediate group across to such opposite plate with the stitch-loops sliding along their needles to the hooks of the other end, relatively moving the rest of the stitch-loops and needles of said intermediate group near to the other of said stitch-loops and needles originally on the opposite plate, and sliding such other needles of the said intermediate group across to such opposite plate with the stitch-loops sliding along their needles to the hooks of the other end, then sliding all such transferred needles of the said intermediate group back to their original plate and bringing their stitch-loops onto the other end of the needles, knitting for several courses, and then repeating the foregoing steps.

2,461,205
ROPE CLAMP
William M. Forsythe and James A. Forsythe, Dubach, La.
Application June 2, 1945, Serial No. 597,238
1 Claim. (Cl. 24—81)



A rope clamp comprising a clamping collar consisting of two substantially semi-circular wings, a tongue forming a longitudinal continuation of the end of one wing, the other wing having a longitudinal slot in which the tongue is received, a relatively long flat body forming an integral continuation of one side edge of the collar midway between the ends of the wings, a pair of substantially semi-circular arms integral with the body at the end remote from the collar, the arms being directed oppositely from the wings of the collar and being disposed in cooperative relation to receive and encircle a rope body, the ends of the arms terminating in spaced parallel plates, a threaded bolt extending transversely through and connecting said plates and connected at one end to a plate to be held against turning, and a nut threaded upon the other end of the bolt.

2,461,206
CRANKCASE VENTILATOR VALVE
Charles N. Fouse and Walter H. A. Krieg, Preston, Ontario, Canada, assignors to Kralinator Products Limited, Preston, Ontario, Canada
Application June 23, 1948, Serial No. 34,694
5 Claims. (Cl. 123—119)



1. A crank case ventilator valve comprising a valve chamber, a pair of discs supported in said chamber in spaced relation and each provided with a central opening therethrough, a ball valve arranged between said discs and adapted to seat against said openings, at least one of said discs having an eccentric orifice to provide an unequal fluid flow around the periphery of said ball valve to effect the spinning of said ball.

2,461,207
MANDIBULAR CAST POSITIONER
Von K. Frowine, Kalamazoo, Mich.
Application September 28, 1945, Serial No. 619,199
3 Claims. (Cl. 32—19)

2. In means for measuring characteristics of dental structure, the combination comprising: a

pillar; a denture element establishing a deter-

the back of the wearer of the belt and adapted

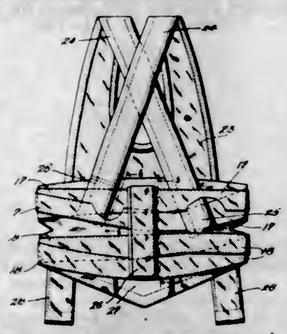
a specific acceleration; an outline on said diagram defining the combinations of speed and

shifted in a direction and a distance corresponding to the swing of the trailer vehicle on its pivot;

pillar; a denture element establishing a determinable relationship with the dental portion of a patient's lower jaw and means holding same in selectable position with respect to said pillar as determined by said relationship; a plate slidably positioned on the pillar and placed in a plane perpendicular to the axis of said pillar; a collar slidably positioned on said pillar and means associated therewith effecting securing of said collar at any selected point on said pillar; a body part member affixed centrally to said plate for

sliding movement in a plane parallel to the plane of said plate and having a chin contact pad at its free end on the upper side thereof; a pair of arms affixed slidably to opposite extremities of said plate for movement in a plane parallel to the general plane of said plate and each having a jaw contact pad on the upper side thereof; the whole being so constructed and arranged that the upper surfaces of said three contact pads lie in the same plane which plane is perpendicular to the axis of said pillar.

2,461,208
ABDOMINAL BANDAGE
Lula Goforth, Denver, Colo.
Application March 8, 1946, Serial No. 653,048
3 Claims. (Cl. 128—96)

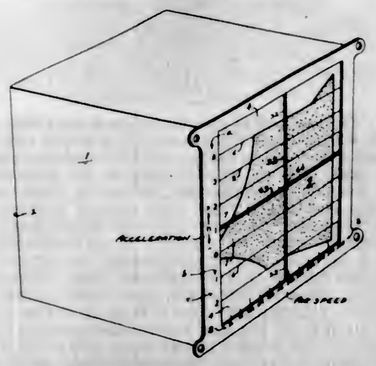


1. A body belt of the character described, comprising a panel of fabric material adapted to extend across and cover the major portion of the abdomen between the hips of the wearer, a pair of strap members extending laterally from each side of the panel, each of said strap members being of sufficient length to extend across the back of the wearer of the belt and at least halfway across the front of the panel, means for attaching the ends of the straps to the front of the panel, and a loop carried by one of the straps in a position for location at the central part of the back of the wearer of the belt and adapted to have the other straps pass there through for coupling the straps together at the back of the wearer.

2,461,209
WATERPROOF SHIPPING CONTAINER
Harold J. Grampp, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application December 10, 1946, Serial No. 715,291
18 Claims. (Cl. 229—5.5)

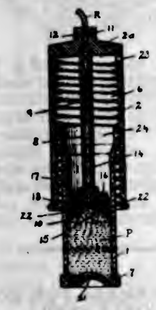
1. A waterproof shipping container comprising in combination a waterproof tubular receptacle having one end portion open and the other end portion inwardly crimped to form a fluted end wall; an interior element of heavy cardboard or the like in juxtaposition to the interior surface of said fluted end wall; a waterproof, adhesive, and thermoplastic material substantially filling a central cavity defined by the fluted end wall; securing means to secure said interior element to said fluted end wall; an adhesive sealing ring placed exteriorly to said fluted end wall; an exterior element of heavy carboard or the like in juxtaposition to the exterior surface of said fluted end wall and retained in place by said sealing ring and said thermoplastic material; an end cover of like structure as the waterproof tubular receptacle and the open end portions of the receptacle and cover being adapted to being brought into abutment; and a waterproof adhesive-coated tape adapted to seal the joint formed by the abutment of said receptacle and cover and said tape adapted to be removed to permit disassembly of the container.

2,461,210
AIRCRAFT STRUCTURAL LIMIT INDICATOR
William L. Gray, Wichita, Kans.
Application June 27, 1945, Serial No. 601,883
4 Claims. (Cl. 73—178)



2. An instrument in and for an aircraft, for continuously indicating the co-existing magnitudes of the accelerations and velocities to which said aircraft is being subjected during operation, comprising: a velocity acceleration diagram on which any point represents a specific velocity and a specific acceleration; an outline on said diagram defining the combinations of speed and acceleration for which said aircraft was structurally designed; a pair of intersecting indicators mutually co-operating to locate a point on said diagram; means responsive to the velocity of the aircraft and operably connected to one of said indicators for operating the same; means responsive to accelerations of said aircraft relative to a specific axis thereof, said means operably connected to the other of said indicators for operating the same, the positions of said two indicators with relation to each other and to said diagram being adapted to apprise an occupant of the aircraft as to whether or not the craft is being subjected to combinations of acceleration and velocity beyond its safe structural limits.

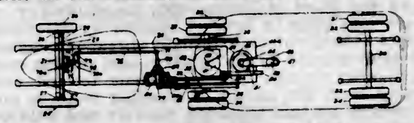
2,461,211
DISPENSING CONTAINER
James M. Guthrie, Allison Park, Pa., assignor of one-fourth to John S. Lear, Pittsburgh, Pa.
Application July 13, 1943, Serial No. 494,508
3 Claims. (Cl. 222—390)



1. In a dispensing device including a body having a bore, a plunger extending axially of said bore, a head on said plunger, a passage extending from an inlet in said head and through said plunger to an outlet opening externally of said body, said bore being adapted to receive a container having a bore containing semi-solid material, with the plunger entered in the bore of the container and the plunger head engaging the wall of the container, whereby the advance of the container into the bore of the dispensing device displaces said semi-solid material in the bore of said container and forces it outward through said plunger, and means for breaking the vacuum between the plunger and the closed end of the jar when said plunger, by the removal of the container from the dispensing device, is withdrawn from said bore of said container and thereby inhibiting the sucking back of said material through said passage.

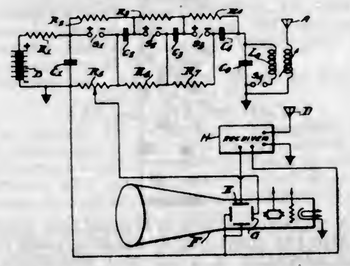
2,461,212
DEVICE FOR CONTROLLING THE SWING OF TRAILER VEHICLES
William T. Hanna, Cincinnati, Ohio
Application November 17, 1947, Serial No. 786,469
17 Claims. (Cl. 280—33.05)

1. In a tractor-trailer vehicular system in which the tractor vehicle is equipped with steering mechanism, and wherein the trailer vehicle is pivotally connected at its front end to the tractor vehicle at a point to the rear of steering mechanism thereon, including, in combination, shiftable means coupled to the trailer vehicle and shifted in a direction and a distance corresponding to the swing of the trailer vehicle on its pivot; control means coupled to the shiftable means and normally holding it from shifting but operable to permit such shifting; means actuated by movement of the steering mechanism to operate the



control means to permit such shifting of the shiftable means as to permit the trailer vehicle to track with the tractor vehicle; and means coupled to the shiftable means and to the control means to return the control means to normal holding condition when the trailer vehicle has come to tracking alignment.

2,461,213
DISTANCE MEASURING DEVICE
William D. Hershberger, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application June 16, 1939, Serial No. 279,585
4 Claims. (Cl. 343—13)



3. A distance measuring system including a voltage generator, a plurality of serially connected capacitors and spark gaps, means for applying said voltage to said capacitors in parallel, an oscillatory circuit connected across the last of said spark gaps so that an overvoltage is applied to said oscillatory circuit, means for radiating damped wave trains established by applying said overvoltage to said circuit, a cathode ray tube including sweep electrodes, means for applying voltages derived from said generator to said electrodes to sweep said ray in synchronism with the radiating of said wave trains, a radio receiver, and means connected to said receiver for deflecting said ray at an angle to said sweep to indicate reception of reflected wave trains.

2,461,214
FOLDING MACHINE
Walter Holms, Pearl River, N. Y., assignor to Dexter Folder Company, Pearl River, N. Y., a corporation of New York
Application February 10, 1945, Serial No. 577,267
5 Claims. (Cl. 270—68)

1. In a fold plate for buckle type folding machines having a sheet stop associated therewith,

means for moving said sheet stop along the fold

stand substantially upright when the case is open,

thereon frictionally engaging the internal annular surface of said bushing, and a second brake

the back having its side edges received in the channels of the back, the lower part of the mem-

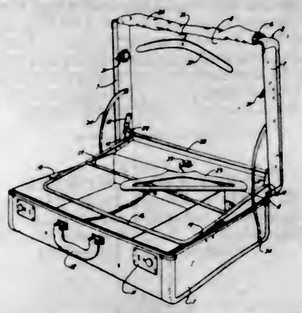
means for moving said sheet stop along the fold plate to various positions, comprising a longitudinally movable elongated member connected with said sheet stop and extending therefrom beyond the end of the fold plate opposite to the mouth thereof for rapidly moving said member and the sheet stop therewith longitudinally of said fold plate, a bracket carried by said fold plate at said end, an externally threaded member slidably carried by said bracket and guiding said elongated member for movement toward and away from the mouth of the fold plate, a nut threaded on said threaded member and held by said bracket against axial movement relative to said threaded member for slowly moving the latter longitudinally of said fold plate and said elongated member, and means for releasably connecting said elongated member with said threaded member for movement with the latter upon rotation of said nut.

2,461,215
WIRE CLIP COMBINING SCARF AND COAT
Samuel J. Judge, Rochester, N. Y.
Application November 19, 1946, Serial No. 710,752
3 Claims. (Cl. 2—91)

3. A muffler construction arranged for cooperation with the conventional hanging strap found in the neckband of a top coat comprising, an elongated muffler having a buttonhole formed longitudinally therein and located centrally thereof, said buttonhole being of less overall length than the overall loop length of the hanging strap, said muffler being cut away to form a neck and shoulder space below said buttonhole, a resilient wire clip having an eye centrally thereof and arms diverging from said eye, hooked ends terminating each of said diverging clip arms, a looped strap passing through said clip eye and having connection with said muffler below said buttonhole, said muffler disposed transverse the shoulder portion of a top coat with the hanging strap extending forwardly through the buttonhole therein, and the clip being moved upwardly to lie on the front of the muffler with the hooked ends of the diverging arms being inserted under the hanging strap to spread the strap beyond the ends of the buttonhole for the purpose of attaching the muffler to the top coat.

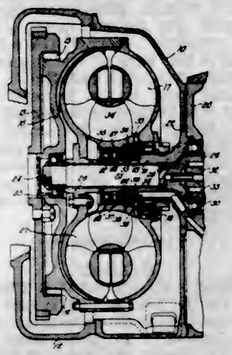
2,461,216
WARDROBE CASE FOR MEN'S SUITS AND WOMEN'S DRESSES ON HANGERS
Samuel L. Kleber, Pittsburgh, Pa., assignor to Kleber Trunk & Bag Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1946, Serial No. 667,267
3 Claims. (Cl. 190—41)

3. In a wardrobe case formed from a top section which is joined by a hinge connection at one side to a bottom section and which is adapted to stand substantially upright when the case is open, said upright top section having upper and lower walls connected by vertical end walls, a support for long-garment hangers suspended from said upper wall, a lower support for short-garment hangers mounted on said lower wall, a frame pivoted at its inner end in the case on a horizontal axis adjacent said hinge connection and adapted to have folded over its outer end and extending along its opposite sides the garments which are



mounted on said hangers, and a removable retaining bar adjacent the inner end of the frame for extending across garments supported from the long-garment hangers and around which the long garments fold when the frame is swung into said top section, said lower support extending from below the bar toward the open side of the top section for supporting short-garment hangers between said bar and the open side of said top section so that short garments will lie next to the frame.

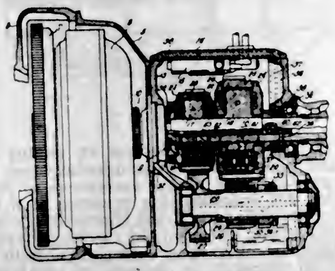
2,461,217
ONE-WAY BRAKE FOR TORQUE CONVERTERS
Robert Lapsley, Berrien Springs, and Burton L. Mills, Buchanan, Mich., assignors to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application May 31, 1945, Serial No. 596,834
6 Claims. (Cl. 188—81)



1. A one-way brake mechanism for the stator of a torque converter including a fixed sleeve having an external helical spline, a hub bushing fixed in said stator having an internal splined end, a first brake member having ratchet teeth on one face thereof mounted on said helical spline and having an external coiled spring

thereon frictionally engaging the internal annular surface of said bushing, and a second brake member journalled on said sleeve and splined in the end of said bushing and having cooperating ratchet teeth, whereby rotation of said stator in one direction causes said first brake member to move away from the other brake member, and reverse rotation of said stator moves said first member into clutching engagement to lock said stator against said reverse rotation.

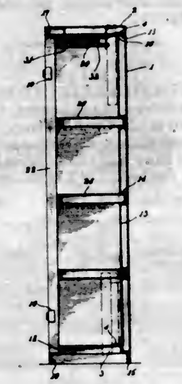
2,461,218
TRANSMISSION CONTROL SYSTEM
Robert Lapsley, Berrien Springs, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application August 10, 1945, Serial No. 610,037
13 Claims. (Cl. 74—364)



1. A fluid pressure control system for a fluid drive transmission having a plurality of fluid pressure operated clutches for selecting various speed ratios, and a selector valve for selectively controlling the operation of said clutches, comprising pump means operating to deliver fluid under pressure to said selector valve, an accumulator in said system for storing fluid under pressure, and a shock absorber for accumulating fluid under pressure, said accumulator being connected to said selector valve for providing a large volume of high pressure fluid upon actuation of said valve to speed up engagement of the selected clutch, and said shock absorber having means for dumping a volume of high pressure fluid into said transmission to reduce the pressure in the shock absorber for cushioning the engagement of said selected clutch by the high pressure fluid admitted to the latter, and to provide additional lubrication as said selected clutch is actuated.

2,461,219
KNOCKDOWN SHEET METAL CABINET
Harold Lew, Brooklyn, N. Y.
Application May 16, 1946, Serial No. 670,196
5 Claims. (Cl. 312—144)

2. A cabinet having a top, bottom, sides and back, the bottom having a horizontal shoulder round its edges on its upper face, the sides and back resting on the shoulder, the back having its vertical lateral edges turned over and inward to form channels, the sides having their rear edges turned over and abutting the turned-over edges of the back, and having their front edges turned over and inward to form similar channels, shelf-engaging members against the inner faces of the sides and having their front edges received by the channels thereof, and the member against the back having its side edges received in the channels of the back, the lower part of the members having horizontal shoulders abutting the shoulder on the bottom.



2,461,220
SEPARATION OF POLYHYDRIC ALCOHOLS
Eugene J. Lorand, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 14, 1947, Serial No. 734,881
8 Claims. (Cl. 260—637)

1. A process for separating polyhydric alcohols containing from 2 to 4 carbon atoms from a mixture containing such polyhydric alcohols in admixture with polyhydric alcohols of more than 4 carbon atoms which comprises bringing the mixture into contact with a cyclic ether of the group consisting of dioxan, 1,3-dioxan, dioxolane, monomethyl dioxan, dimethyl dioxan, ethyl dioxan, and mixtures thereof, permitting a separation into two phases, separating the two phases, and recovering 2 to 4 carbon atom polyhydric alcohols from the phase containing the major portion of the cyclic ether solvent.

2,461,221
PENCIL HOLDER
Lazar Margulies, New York, N. Y.
Application May 18, 1945, Serial No. 594,575
4 Claims. (Cl. 120—103)

1. In a pencil holder having a pair of opposed semi-circular shell sections for engagement on opposite sides of a finger, a hinge pivotally connecting the shell sections together at their front ends, an arcuate rack bar pivotally mounted on one of the shell sections and formed along one edge with ratchet teeth, a lug extending from the side of the other shell section and formed with an opening through which said rack bar extends, and a spring mounted on the shell section which pivotally supports said rack bar and engaging and urging said rack bar into a position in which said ratchet teeth engage the material of said lug at one side of said opening,

said ratchet teeth being directed to idle past said lug when the shell sections are moved together

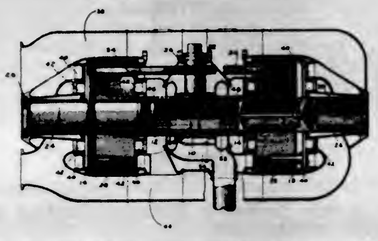
forming a part of said system for automatically moving said piston into a starting position and

tion, an engine cylinder in which the engine portion reciprocates, a chamber communicating with

its lower portion devoid of flanges and adapted

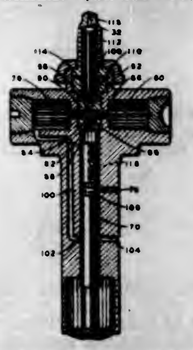
said ratchet teeth being directed to idle past said lug when the shell sections are moved together and to restrain movement of the shell sections when moved apart.

2,461,222
ACCUMULATOR INJECTION SYSTEM
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application May 11, 1943, Serial No. 486,625
6 Claims. (Cl. 230—56)



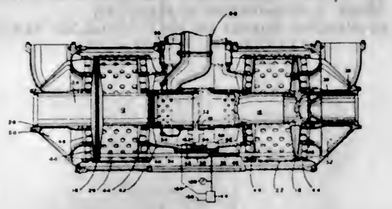
1. A free-piston compressor having opposed pistons and a restraining linkage connecting said pistons and including an oscillatory pinion, in combination with a fuel injection pump including a casing having a bore, a plunger in said bore and coaxial with the pinion, said pinion surrounding said casing with the plunger concentric to the pinion axis, and cooperating means connecting the pump plunger and pinion for reciprocating the pump plunger in response to the pinion oscillation.

2,461,223
ARRANGEMENT FOR FUEL INJECTION IN A FREE-PISTON UNIT
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,895
5 Claims. (Cl. 230—56)



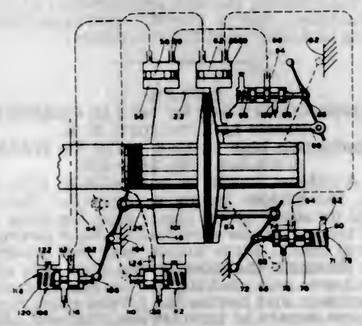
2. In a free-piston unit, a piston, an engine cylinder in which the piston reciprocates, pump means responsive to the piston reciprocation for supplying fuel to said engine cylinder, said pump means including a casing having a filling port communicating with a fuel supply, and a plunger covering said port during a part of its stroke, and connected to and movable in response to piston movement to cover and uncover the port, in combination with a starting system, and means forming a part of said system for automatically moving said piston into a starting position and causing the plunger to move to a position to uncover the filling port when said piston is in said starting position.

2,461,224
OVERSTROKE CONTROL FOR FREE-PISTON UNITS
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,896
1 Claim. (Cl. 230—56)



A free-piston unit including an engine cylinder and piston, means for injecting fuel into said engine cylinder, means responsive to piston movement for changing the pressure of a control fluid proportionally to the change in the position of the piston at the end of successive strokes, and a plunger actuated by said control fluid and movable in response to changes in pressure of said fluid, a valve mechanically connected to and movable at all times with said plunger, said valve being controlled by said plunger for cutting off the supply of fuel to said injecting means if the piston moves beyond a predetermined limit and a spring acting on said valve and plunger in a direction to open said valve in opposition to the pressure of said control fluid on said plunger.

2,461,225
CONSTANT STROKE MECHANISM FOR FREE-PISTON COMPRESSORS
Donald E. Meitzler, Manchester, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 29, 1946, Serial No. 644,091
9 Claims. (Cl. 230—56)



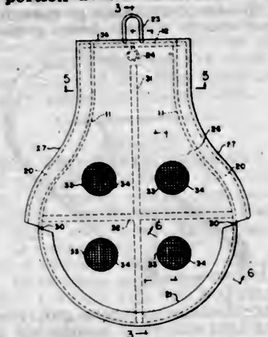
6. In a free-piston unit, a piston assembly including an engine portion and a compressor portion, an engine cylinder in which the engine portion reciprocates, a chamber communicating with one end of the compressor cylinder, a movable partition in said chamber dividing the chamber into two parts, one of which communicates with the compressor cylinder, a source of control fluid, a control valve for adjusting the supply of control fluid from the source to the other part of said chamber for moving the partition, and means responsive to a change in the end position of the piston stroke from the normal end of the stroke for rendering the control valve operative.

2,461,226
METHOD OF MAKING SLIP LASTED WELT SHOES
Jack Meltzer, New York, N. Y.
Application March 25, 1948, Serial No. 17,092
1 Claim. (Cl. 12—142)

In the making of a shoe, the steps which consist in stitching a socklining and a platform cover to an upper with the top surface of the socklining and the outer surface of the platform cover lying next to the inner and outer surfaces, respectively, of the upper and with the line or lines of stitching spaced appreciably inwardly from the lower edge of the upper so as to provide a lasting allowance on the upper, stitching a welt strip to the free margin of said platform cover with the top surface of the welt strip lying next to the outer surface of said platform cover, applying said assembly to a last and fitting the upper to the last by pulling upon said lasting allowance and adhesively securing it to the under surface of the socklining, applying to said assembly a platform sole and securing it in position by pulling said platform cover around it and adhesively securing the pulled margin of said platform cover to the under surface of said platform sole, adhesively securing an outer sole to said assembly with the edge of said outer sole in substantial alignment with the outer edge of said welt strip, and stitching said welt strip to the marginal part of said outer sole.

2,461,227
SKIPPERPROOF MEAT CASE
Frank W. Mewherter and Edward E. Smith, Raeford, N. C.
Application January 8, 1947, Serial No. 720,877
3 Claims. (Cl. 99—269)

1. A case for preserving cured meat and the like comprising a back member and side walls and a top member, the top member having means on the exterior thereof for suspending the case from a suitable support and having suspending means on the interior thereof from which a piece of meat may be suspended, said side walls on their upper portions having out-turned flanges and the lower portion having an inturned flange, a lid member having the upper portion of its outer edges turned outwardly, downwardly and inwardly to fit over the out-turned flange on the lower portion of the wall member and having its lower portion devoid of flanges and adapted



to fit inside the inturned flange on the lower portion of the side wall.

2,461,228
METHOD OF AND MATERIAL FOR PREPARING ZINCIFEROUS SURFACES FOR ELECTROPLATING
Donald Lee Miles, Detroit, Mich., assignor to American Chemical Paint Company, Ambler, Pa., a corporation of Delaware
No Drawing. Application August 11, 1947, Serial No. 768,068
7 Claims. (Cl. 41—42)

1. In the art of electroplating surfaces of zinc and zinc base alloys the step of treating the surface prior to the electroplating operation by subjecting it to the action of an aqueous bath containing the following ingredients in approximately the proportions indicated:

Mineral spirits	gals	0.3360
Phosphoric acid (75%)	gals	0.2418 to 0.4835
Cyclic coal tar bases	gals	0.0144
Sulphuric acid (66° Bé.)	gals	0.0049
Thiourea	lbs	0.0250
Polymerized ethylene oxide condensate (100% basis)	lbs	0.0135

2,461,229
METHOD OF PRODUCING MAGNESIUM BASE ALLOYS
Alfred John Murphy, Petts Wood, and Ronald James Malcolm Payne, New Malden, England, assignors to Magnesium Elektron Limited, London, England, a company of Great Britain
No Drawing. Application July 4, 1945, Serial No. 603,276. In Great Britain July 11, 1944
1 Claim. (Cl. 75—168)

Process for the manufacture of a magnesium base alloy containing additions of cerium and zirconium, comprising melting a body of magnesium under protection of a flux cover, introducing into the molten body a silver beryllium pre-alloy in such quantity as to incorporate in the base between 0.01 to 0.1 per cent by weight of beryllium, removing the flux cover from said body, introducing into said body a silver-zirconium pre-alloy, and finally introducing the desired amount of cerium.

2,461,230
DEFLECTING COIL
Maximilian J. Obert, North Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 4, 1946, Serial No. 694,805
7 Claims. (Cl. 250—156)

1. An electromagnetic deflecting means for

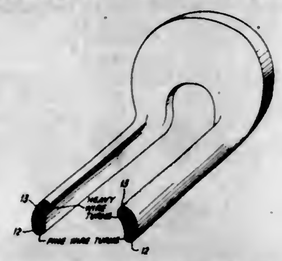
cathode ray apparatus for deflecting the cathode ray beam in one co-ordinate of movement com-

printing plate, a stationary holder situated directly above the printing roll closely adjacent thereto, and having an opening extending ver-

the ends symmetrically doubled back into an approximately parallel position, the loop being adapted to engage the said box frame, the paral-

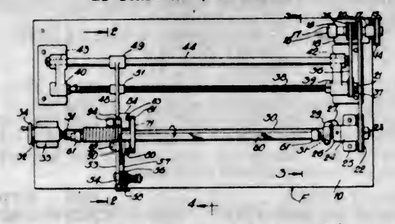
plurality of switches; a lead from one of the contact members to a power line, a lead from each plate on the other contact member to one of the switches; leads from the switches to different

cathode ray apparatus for deflecting the cathode ray beam in one co-ordinate of movement comprising coil means wound from a plurality of



electrical conducting members and wherein at least one of said electrical conducting members has a cross-sectional area differing from that of the others of said conducting members.

2,461,231
WINDING MACHINE
Ralph Oppenheim, Brooklyn, N. Y.
Application October 5, 1945, Serial No. 620,444
13 Claims. (Cl. 242—7)



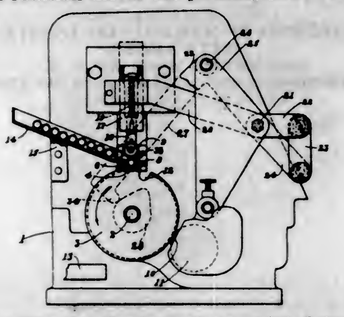
1. A strand winding machine comprising a rotatable winding shaft and an auxiliary shaft keyed on the periphery of said winding shaft for rotation therewith and for longitudinal sliding movement thereon.

2,461,232
PLAYING STEEL
Henry H. Pulsifer, Kitchener, Ontario, Canada
Application April 22, 1946, Serial No. 664,119
9 Claims. (Cl. 84—319)

1. A tone bar for a stringed musical instrument comprising, a main steel, and an auxiliary steel carried thereby, the said auxiliary steel being adapted to move to and fro with respect to the main steel and to swing in a plane perpendicular thereto so as to permit accurate and rapid adjustment of the two steels.

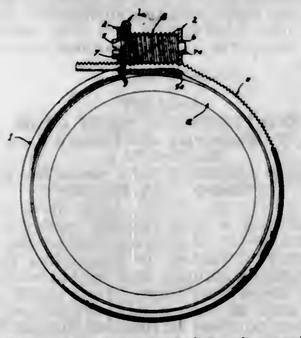
2,461,233
MACHINE FOR MARKING CYLINDRICAL ARTICLES
David F. Putnam and Charles F. Robbins, Keene, N. H., assignors to Markem Machine Company, Keene, N. H., a corporation of New Hampshire
Application November 28, 1945, Serial No. 631,370
1 Claim. (Cl. 101—38)

A machine for marking cylindrical articles comprising a cylindrical printing roll carrying a printing plate, a stationary holder situated directly above the printing roll closely adjacent thereto, and having an opening extending vertically therethrough of a size to loosely receive a cylindrical article to be printed, such article resting on and being supported by the peripheral surface of the printing roll while it is occupying said opening, a feed chute leading to the holder for delivering thereto the cylindrical articles to be printed, means to rotate the printing roll, a hold-down member to engage a cylindrical article occupying said opening and hold it pressed against the printing roll as the latter rotates and by its rotation moves the printing plate beneath



the article thereby to make a printed impression on the article while it is occupying said opening, said hold-down when thus engaging the article in the holder constituting a stop for the unprinted cylindrical articles in the chute, said printing roll having in its periphery an article-receiving cavity adjacent the trailing end of the printing plate into which the printed article drops when the cavity comes into register with the opening in the holder, and means operative after the article-receiving cavity has moved out of register with the holder to raise the hold-down member thereby to let the end cylindrical article in the chute gravitate into the opening of the holder.

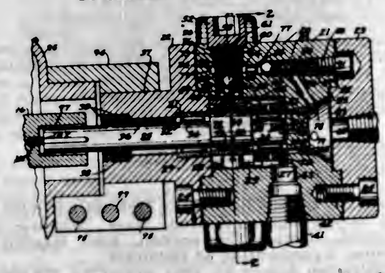
2,461,234
ADJUSTABLE CLAMP
Albert A. Radtke, New York, N. Y.
Application May 18, 1945, Serial No. 594,522
5 Claims. (Cl. 24—19)



1. A clamp member comprising in combination a box frame, a screw member having bearing ends journaled in said box, and a traction member engaged between the threads of said screw and said box comprising a looped rod having

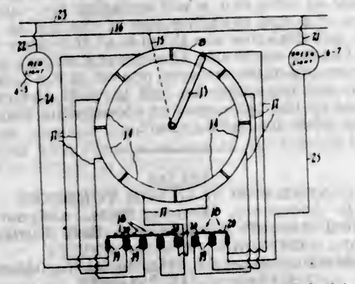
the ends symmetrically doubled back into an approximately parallel position, the loop being adapted to engage the said box frame, the parallel ends thereof being adapted to be bent around a cylindrical body and being adapted after passing around said body to engage between said box frame and the threads of said screw member.

2,461,235
FLUID PRESSURE ENERGY TRANSLATING DEVICE
Thomas E. Raymond, Zanesville, Ohio, assignor to Simplex Engineering Company, Zanesville, Ohio
Application August 9, 1946, Serial No. 689,548
14 Claims. (Cl. 103—182)



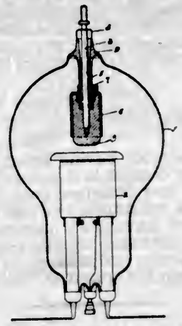
1. A hydraulic pump comprising a casing having a chamber and a plurality of recesses radiating therefrom, said recesses opening at their outer ends to the exterior of said casing, said casing having inlet and outlet passages communicating with the chamber and recesses respectively; actuating means in said chamber; piston and cylinder assemblies removably disposed in each recess, each of said assemblies having a cylinder sleeve inserted in a recess in said casing and a piston being formed of metal and slidably disposed in said sleeve, said piston having a longitudinally extending passage; and valve means in said passage to prevent fluid flow from the interior of said sleeve to the chamber in said casing.

2,461,236
SWITCH MECHANISM FOR SIGNAL LIGHTS AND THE LIKE
Louis Rostoker, Toronto, Ontario, Canada, assignor to David Esser, Toronto, Ontario, Canada
Application January 17, 1946, Serial No. 641,703
3 Claims. (Cl. 177—337)



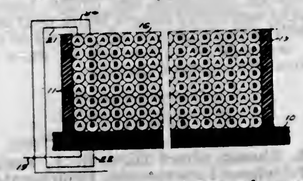
1. A switch mechanism for signal lights and the like, including two contact members, one of which comprises a plurality of annular segmental plates insulated from one another over which the other contact member is adapted to pass; a plurality of switches; a lead from one of the contact members to a power line, a lead from each plate on the other contact member to one of the switches; leads from the switches to different signal lights, and leads from the signal lights to said power line, said switches being operable to connect each plate to a selected light.

2,461,237
RECTIFIER DISCHARGE TUBE AND METHOD OF SEALING THE ANODE LEADIN
Dominicus Gerardus Serge Ruhwandl, Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application February 14, 1947, Serial No. 728,565
In Belgium December 15, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires December 15, 1964
3 Claims. (Cl. 250—27.5)



1. A discharge tube having a cathode and an anode in a glass envelope, with a lead-in connection to the anode consisting of a metallic conductor having its inner end secured to the anode body, a refractory tube encircling and spaced from the conductor with one end of the refractory tube tightly secured to the anode body to seal-off the conductor at that region, a cylindrical glass moulding piece having a body section encircling the lead-in conductor in spaced relation thereto, with the inner end of the moulding piece sealed to the outer end of the refractory tube and the outer end of the moulding piece sealed to a metal element on the body of the lead-in conductor, and a glass seal connection between the outer side wall of the moulding piece and the envelope.

2,461,238
RESONANT DIFFERENTIAL TRANSFORMER
Herman Schaevitz, Collingswood, N. J.
Application February 9, 1946, Serial No. 646,622
3 Claims. (Cl. 171—119)

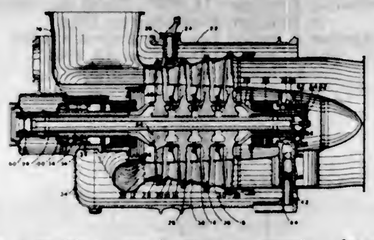


3. A differential resonant transformer comprising a pair of axially aligned spaced hollow secondary coils joined in bucking series relation, each secondary coil comprising a plurality of turns of a wire strand respectively mutually separated

lector, a number of free piston units around the

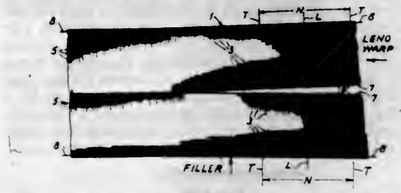
axially of the coil by the respective turns of another wire strand, with said strands of each coil being joined in series, a primary hollow coil disposed between and in axial alignment with the respective secondaries, and an armature relatively movably disposed in the primary coil and extending partially at least into one of said secondaries.

2,461,239
COOLING TURBINE ROTORS
John Schuster, Jr., Narberth, Pa., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,898
10 Claims. (Cl. 60—41)



1. A turbine rotor having an annular chamber through which coolant is circulated, the inlet and discharge for said chamber both being adjacent one end and a substantially cylindrical partition in the chamber having an opening spaced from the inlet and discharge for the chamber and adjacent the opposite end thereof to guide the flow of coolant within the chamber.

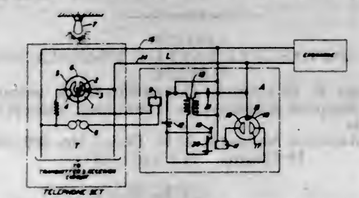
2,461,240
OPEN-MESH FABRIC SELVAGE
Thomas M. Scruggs, Richmond Heights, Mo., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application May 24, 1946, Serial No. 672,118
3 Claims. (Cl. 28—80)



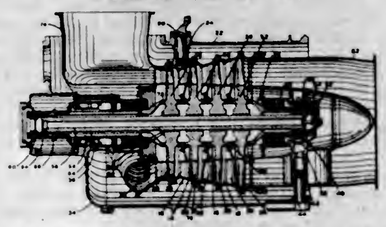
1. An open-mesh fabric comprising spaced warp strands and spaced filler strands, each filler strand having a free end at a marginal edge of said fabric, said edge having a group of engaged warp strands extending the length thereof, the free end of each filler strand being bent over longitudinally with respect to said edge and disposed against one side of said group of warp strands and adhesively secured thereto.

2,461,241
TELEPHONE ALARM SYSTEM
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1946, Serial No. 660,618
3 Claims. (Cl. 179—2)

1. In a telephone system, a line, a station thereon, a telephone at said station, a source of continuous illumination for said telephone which it is required shall not be below a predetermined degree of brilliancy, a source of ringing current of predetermined potential for connection to said line, and means for giving an alarm signal when ringing current is connected to the line in case said station illumination is below said predetermined intensity, said means comprising a gas-filled discharge tube exposed to said illumination and connected to said line which tube is arranged to conduct said ringing current when the illumination is of said predetermined brilliancy but to be nonconductive at a lesser degree of illumination.



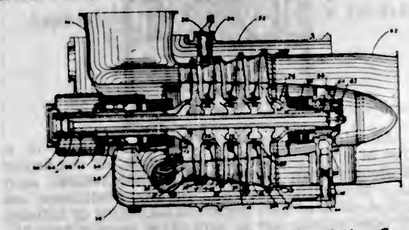
2,461,242
ROTOR CONSTRUCTION FOR TURBINES
Carl R. Soderberg, Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,899
4 Claims. (Cl. 253—39)



1. A rotor construction including a number of discs having rows of blades, each disc having a central opening, a shaft at each end of the set of discs and engaging the end discs, each shaft having a central recess, a tie bolt extending through the openings in said discs and into the recesses in the shafts for holding the discs and shafts together, the ends of the bolt being within the recesses in the shafts, said tie bolt having threads at each end, a nut engaging the threads at one end and engaging one of the shafts, another nut engaging the threads at the other end, one of said nuts having threads of different pitch on inner and outer surfaces, one set of the threads on the nut engaging the bolt threads, the other threads on the nut engaging cooperating threads on the other projecting shaft.

2,461,243
DIAPHRAGM SEAL FOR TURBINES
Carl R. Soderberg, Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application August 23, 1944, Serial No. 550,900
2 Claims. (Cl. 253—69)

1. A turbine rotor including a number of discs each having a row of blades extending substantially radially from the periphery thereof, and each having annular flanges on opposite sides thereof concentric to the discs, each of said discs having a central opening with the annular flanges of such a dimension as to be radially spaced between the central opening and the periphery of the discs, said flanges being in interengagement and having means thereon for piloting the discs with respect to one another, and means extending through the central openings in the discs and holding said discs in endwise engagement, an annular sealing element located between adjoining discs and supported on the outer surfaces of said flanges, said sealing element being in the form substantially of a cylinder having engagement with both of the flanges adjacent thereto, and a cylindrical sealing flange connected to and spaced from the outer periphery of the cylinder, in combination with a turbine casing having rows of nozzles alternating with the rows of blades, and diaphragms extending inwardly from the nozzles and located between adjoining discs, and a sealing element carried by each diaphragm having a substantially cylindrical flange fitting between the flange on the rotor sealing element and the outer periphery of the cylinder part of the rotor sealing element.

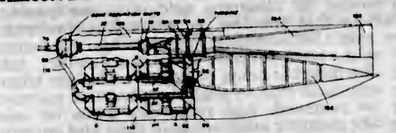


2,461,244
ADVERTISING DEVICE FOR CONTAINERS
Earl G. Stanton, Glencoe, Ill., assignor to Libby, McNeill & Libby, a corporation of Maine
Application August 10, 1944, Serial No. 548,881
8 Claims. (Cl. 40—4)

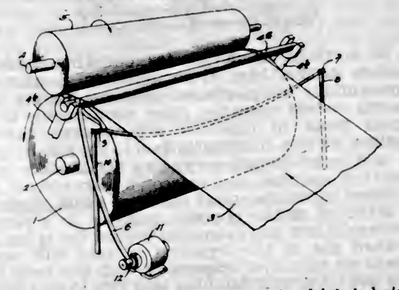
3. An advertising device for containers consisting of two connected sections which when applied to a container extend above the same in substantially triangular formation in cross-section, an extension integral with one of the sections folded to extend laterally therefrom and engaging and locking with the other section and adapted to rest on top of the container, each section having locking fingers depending below the extension at opposite sides thereof and adapted to engage opposite sides of the container, and means integral with the said extension for further locking the device on the container.

2,461,245
MOUNTING OF COLLECTOR AND FREE-PISTON GAS GENERATORS
Ransom S. Thompson, East Hampton, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application January 30, 1945, Serial No. 575,346
4 Claims. (Cl. 60—44)

2. A power plant including a scavenge collector, an exhaust collector within the scavenge collector, a number of free piston units around the scavenge collector, each unit having a scavenge opening, and a surrounding flange adapted to be connected to the scavenge collector, and said unit having an exhaust pipe extending through the scavenge opening and connected to the exhaust collector, said scavenge collector supporting each generator by said surrounding flange.

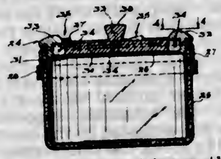


2,461,246
WEB SEVERING METHOD AND APPARATUS
John Theodore Weyenberg, Kimberly, Wis., assignor to Paper Patents Company, Neenah, Wis., a corporation of Wisconsin.
Application August 21, 1944, Serial No. 550,354
6 Claims. (Cl. 242—56)



1. The method of severing a web which is being delivered to and wound upon a reel and of starting the winding of the severed leading end of the web on an empty reel core, which consists in looping a tape or cord-like member around the empty core adjacent one end thereof, anchoring one end of the member beyond one side of the web to be severed, securing the other end of the member to tensioning means, said member being initially loosely disposed around said empty reel so as to permit the latter to rotate freely within the member looped therearound, and actuating said tensioning means so as to cause said member to engage said empty core with sufficient frictional force to cause the member to traverse the length of the empty core as an incident to the rotation thereof.

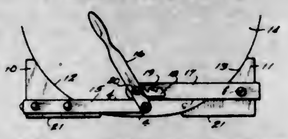
2,461,247
UTILITY COVER
George Wormull, Bergenfield, N. J.
Application July 4, 1945, Serial No. 603,200
4 Claims. (Cl. 215—38)



1. A utility cover, comprising a thermoplastic member having a reinforced top wall for extending over the open top of a bottle or jar to be closed,

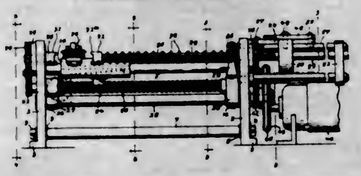
and furthermore having a skirt wall for engaging about the top portion of said bottle or jar, a plug-like member having tapered sides set into a complementary opening in the top of said member, and means for clamping said plug-like member tightly in said opening including ribs projecting from said thermoplastic member and extending over said recess for said plug-like member, said plug-like member being provided with slots alignable with said ribs so that the plug-like member may be removed, and ridge-like cams on said plug-like member adjacent said slots and engageable against the bottom edges of said ribs.

2,461,248
VEHICLE CHOCKING DEVICE
Alva T. Wright, Fort Worth, Tex.
Application January 16, 1947, Serial No. 722,429
1 Claim. (Cl. 188—32)



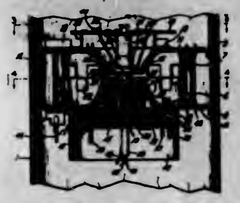
In a chocking device for chocking vehicle wheels, or the like, in combination, a pair of substantially wedge-shaped members having inwardly curved operative faces conformable to a wheel tread in opposing arrangement thereagainst, an arm rigidly attached to one side of one of said members and extending horizontally beyond the operative face thereof, a lever pivoted at its lower end to the end of said arm, a link pivotally attached to the opposite member in a plane above said arm and extending toward the latter, a toothed slot in the free end of said link, and means on said lever engageable with the teeth in said slot adjustably latching said arm to said link.

2,461,249
VEGETABLE PEELING MACHINE INCLUDING TRAVELING SCREW DRIVEN CUTTERS
Edwin J. Anderson, Aurora, Ill.
Application November 20, 1944, Serial No. 564,233
3 Claims. (Cl. 146—43)



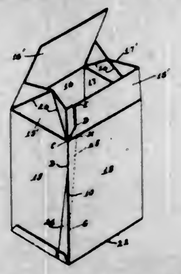
1. A vegetable peeling machine, comprising a frame, a threaded shaft, means for rotatably and oscillatively mounting the shaft on the frame, means for rotating the shaft, means for oscillating the shaft, a rotatable slidably mounted means for supporting a vegetable, means connected with the means for rotating the shaft for actuating the vegetable supporting means, means for sliding the vegetable supporting means to release a vegetable, a carriage slidably mounted on the frame and having a traveler engaging the shaft in one of its positions, a cutter on said carriage contacting a vegetable on the rotatable supporting means, automatic means actuated by the carriage for tilting the shaft to break the connection to the vegetable supporting means and release the traveler, and means for returning the carriage to its starting position.

2,461,250
ELECTRIC DISCHARGE DEVICE AND SYSTEM
Francis M. Bailey, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 5, 1945, Serial No. 632,977
17 Claims. (Cl. 250—27.5)



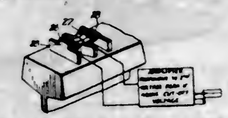
1. An electric discharge device comprising a source of electrons including means for confining said electrons in a generally planar region, said means including electrode means positioned on opposite sides of said region, a plurality of control electrodes supported in mutually spaced and insulated relation in a plane on one side of said region and parallel thereto, a substantially planar control electrode lying in a plane on the opposite side of said region and in opposed relation to said plurality of control electrodes, and a pair of collecting electrodes for selectively collecting electrons emitted by said source in accordance with the energization of said control electrodes.

2,461,251
CONTAINER
Charles O. Ball, Maumee, and Franklin D. Scott, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application March 12, 1945, Serial No. 582,250
4 Claims. (Cl. 229—37)



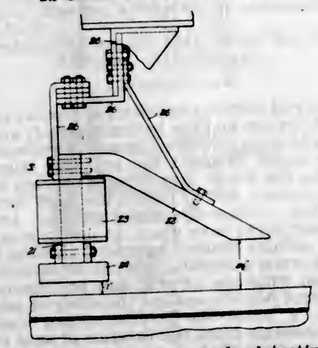
1. A blank of sheet material adapted to be folded for forming a container having a rectangular tubular body and a closed bottom end, said blank being of generally rectangular shape and having parallel score lines spaced to define the four sides of said body and along which the blank is adapted to be folded for forming said body, and a transverse score line in position to define the lower edge of the four sides of said body, the portion of the blank below said transverse score line being in the form of a bottom strip adapted to be folded inwardly and form the bottom end of the container, the blank including a side seam flap at one end thereof, one of said vertical score lines forming the inner edge of said flap, said flap being continued downward below said horizontal score line and through said bottom strip, whereby when the blank is folded to shape the container, the side seam is carried into a bottom end portion of the container, said side seam flap being tapered inwardly and upwardly from a point adjacent to said horizontal score line with the upper end of its outer edge terminating in a said vertical score line at a point spaced below the upper end of said body.

2,461,252
METHOD AND APPARATUS FOR DETECTING FLAWS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Application June 5, 1944, Serial No. 538,818
17 Claims. (Cl. 175—183)



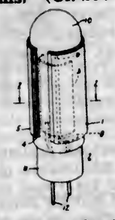
4. Progressive flaw detecting apparatus including core means having forward, intermediate and rearward poles adapted to lie close to a ferromagnetic body to be tested and connecting magnetic portions, one extending between the forward pole and the intermediate pole, and one extending between the rearward pole and the intermediate pole, windings on said connecting portions connected together and to lead wires with such polarity as to cooperate in impressing an impulse on the lead wires in response to a decrease of flux in one direction through one coil and an increase in flux in the same direction through the other coil, said core means forming approximately a continuous magnetic circuit from the forward pole to the rearward pole.

2,461,253
FLAW DETECTION APPARATUS
Walter C. Barnes, Lake Bluff, and Henry W. Keevil, Evanston, Ill.
Application June 5, 1944, Serial No. 538,819
12 Claims. (Cl. 175—183)



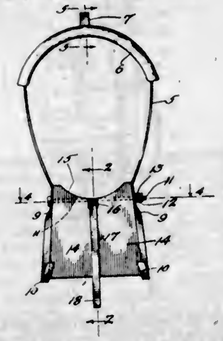
1. Apparatus for progressively detecting flaws in rail comprising a steel frame car adapted to run on the rail, and means on the car for creating residual magnetism in the rail in advance of an inductive detector unit, said means comprising an electro-magnet carried by the car adjacent the rail including a core having forward and rear poles and a coil on said core polarizing said core, the portion of said core having the polarity of the rear pole being substantially closer to the steel frame of said car than the portion of the core having the opposite polarity, said rear pole being further from the rail than the forward pole.

2,461,254
RADIATION FILTER
Merton O. Bassett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 18, 1947, Serial No. 780,686
4 Claims. (Cl. 250—165)



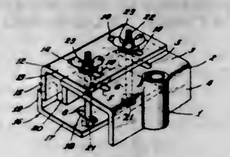
1. A radiation filter adapted to engage resiliently a device such as a radiation sensitive tube comprising a radiation transmissible resilient inner tubular element having a lengthwise section removed from the wall thereof, a radiation transmissible resilient outer tubular element having a lengthwise section removed from the wall thereof and adapted to fit tightly over said inner tubular element, and a thin sheet of filter material inserted between the outer surface of said inner tubular element and the inner surface of said outer tubular element.

2,461,255
ANIMAL POKE
John H. Beard, Ruston, La.
Application June 13, 1945, Serial No. 599,199
2 Claims. (Cl. 119—140)



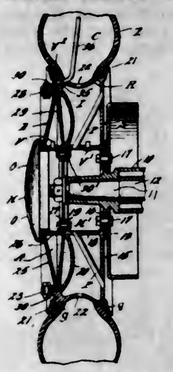
1. An animal poke comprising a strap metal yoke of inverted substantially U-shape, the upper portion of the yoke being shaped to substantially conform to the contour of the animal's neck, the lower end portions of the yoke legs being inclined forwardly, the lower ends of the legs of said yoke terminating in forwardly and upwardly extending hooks declined laterally toward each other, a plate disposed between the lower end portions of the yoke legs, a horizontal bolt extending through the legs of the yoke, said plate being pivotally suspended from said bolt, said plate having a concave recess in the upper edge thereof to fit about the underside of the animal's neck and being provided with a transverse groove in the upper edge thereof midway between the sides of the same to expose the intermediate portion of the bolt, and a hook member pivotally suspended on said exposed portion of the bolt and extending downwardly in front of and below the plate.

2,461,256
PORTABLE OARLOCK
Samuel A. Black, Chicago, Ill.
Application December 4, 1946, Serial No. 713,962
9 Claims. (Cl. 9—26)



1. A portable oarlock structure comprising a pair of relatively adjustable clamping members having portions for clamping the sides of a gunwale of a boat and having slots adapted to be in registry with each other when adjusting the relation of said members, one of said members carrying an oarlock socket, a third clamping member having a portion relatively adjustable with respect to one of said first mentioned members, said third member having a slot adapted to be in registry with the slots of said first mentioned members, and a tie element extending through said slots for clamping said members to the gunwale of the boat.

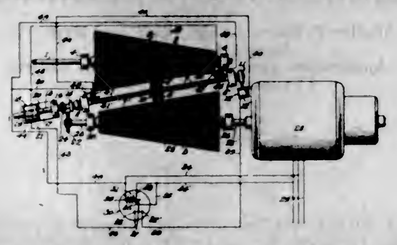
2,461,257
CUSHION VEHICLE WHEEL
George M. Brandon, Tallahassee, Fla.
Application November 28, 1944, Serial No. 565,498
4 Claims. (Cl. 152—10)



1. In a vehicle wheel, a wheel section comprising an inside wall having spaced integral rim and bottom wall portions, a rigid outside wall arranged in spaced relation to said inside wall and in tight connection with said rim and bottom wall portions, an elastic diaphragm interposed between said walls providing a reservoir between said diaphragm and said inside wall and an air chamber between said diaphragm and said outside wall, a tire on said rim, said reservoir communicating with said tire and adapted to contain liquid, means for venting said tire, and an inflating valve for said air chamber.

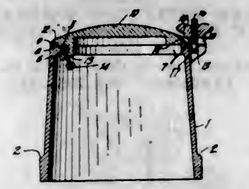
2,461,258
AUTOMATIC TRANSMISSION MECHANISM
Cuyler W. Brooks, Brooklyn, N. Y.
Application June 6, 1946, Serial No. 674,718
5 Claims. (Cl. 322—28)

1. An automatic transmission mechanism including a driving shaft connected to a load, a driven shaft, a screw shaft, cones carried by said driving and driven shafts, said cones tapering in opposite directions from each other, a friction disc threadedly mounted on said screw shaft and forming a driving connection between said cones, said screw shaft causing said disc to advance along the surfaces of the cones in either direction and to thereby change the velocity ratio between the cones, a generator driven by said driven shaft,



electrical circuit means including switches controlled by the voltage of the generator, said switches being adapted to be actuated by said disc, for controlling the generator output between predetermined limits, and means for braking the rotation of the screw shaft responsively to the generator output varying beyond a predetermined voltage to cause a return of the disc along the shaft.

2,461,259
CLOSURE
Anthony F. Ciarfello, Albany, N. Y.
Application January 18, 1945, Serial No. 573,403
2 Claims. (Cl. 138—89)

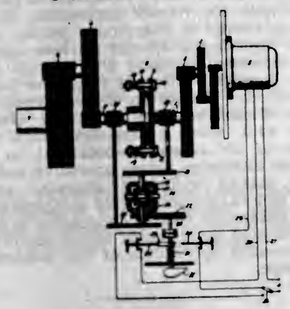


1. An end ferrule comprising a tubular element open at the top and the bottom thereof; and provided with only a single, inwardly-projecting lug on the inside adjacent the top edge thereof, a cover for the top of said tubular element having on the bottom and adjacent the edge thereof a depending, outwardly-projecting lug adapted, when said cover is in place, to underlie said lug on said tubular element in spaced relation thereto, a set screw extending through in threaded cooperation with one of said lugs and having the end thereof bearing against the other of said lugs to form a hinge-like structure, and clamping means operable from the exterior of said ferrule and cooperating with said cover and said tubular element in a zone substantially opposite said lugs for securing said cover to said tubular element; whereby, by adjusting said set screw, said cover may be positioned on said tubular element with the portions of said cover adjacent said set screw in contact with the top of said tubular element and the oppositely-disposed portions of said cover adjacent said clamping means in slightly spaced relation to the top of said tubular element; and all portions of said cover may then be brought into tight contact with the top of said tubular element by tightening said clamping means.

2,461,260
INFANT'S FOLDING BATH STAND AND DRESSING TABLE
Charles T. De Puy, Brighton, and William C. Baxter, Rochester, N. Y., assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y., a corporation of New York
Application April 22, 1946, Serial No. 664,132
1 Claim. (Cl. 4—177)

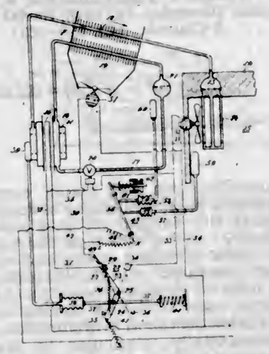
In a folding cross-legged bath stand, the combination with leg-frames including metal top rails of U-shaped cross-section with the open channels facing downwardly, of a flexible tub having its front and rear edge portions arranged in said channels and engaged with three walls of said channels, wooden clamping strips fitting closely in said channels against the edge portions of the tub, the clamping strips having longitudinally extending recesses at their upper outer edges, the front and rear edges of the tub being provided with longitudinally extending hems, rope elements arranged in said hems, the hems and rope elements being located in said recesses and retained by the corner portions of the U-shaped top rails, fastening devices extending through the top rails and edge portions of the tub into said clamping strips, and flaring portions on the inner walls of said top rails extending away from the clamping strip at points above the side edges of the tub.

2,461,261
OVERLOAD PROTECTION DEVICE FOR POWER TRANSMISSION APPARATUS
John W. Drisko, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 27, 1947, Serial No. 724,670
8 Claims. (Cl. 318—9)



1. In a power-transmission device with overload protection, the combination of reversible motor adapted to be energized from an external source and having a pair of input conductors arranged for alternative connection to said source whereby said motor may be operated in either direction of rotation, a driving member driven by said motor, a driven member, a friction coupling member interconnecting said driving member and said driven member, differential means operatively connected to said driving member and said driven member and having a portion adapted for movement responsive to a difference in the speed of said driving member and said driven member caused by slippage of said coupling member, a reversing switch for selectively connecting said input conductors to said source, a pair of limit switches respectively in circuit with said input conductors, and means connected with said portion of said differential means and operable thereby in response to a predetermined slippage of said coupling member adapted to actuate one of said limit switches whereby said motor is deenergized after a predetermined amount of slippage of said clutch and said motor cannot be reenergized until said reversing switch is changed to the opposite direction of rotation.

2,461,262
REFRIGERATION
Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware
Application June 2, 1945, Serial No. 597,337
9 Claims. (Cl. 62—5)



3. A refrigerating system comprising a refrigerant vapor-supplying means, an ambient air-cooled condenser, a refrigerating evaporator, connections providing communication between said vapor-supplying means, condenser and evaporator, a heater for said vapor-supplying means, control means for varying the heating rate of said heater, means for varying the capacity of said condenser, thermostatic means responsive to a temperature condition affected by said evaporator, thermostatic means responsive to ambient air temperature, and operating means responsive to both thermostatic means capable of controlling both said heat-varying means and said condenser capacity-varying means.

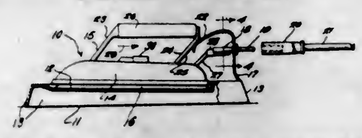
2,461,263
BRAKING MECHANISM FOR RAIL VEHICLES
Henry Fort Flowers, Findlay, Ohio
Application May 16, 1946, Serial No. 670,148
11 Claims. (Cl. 188—33)

1. A rail vehicle comprising a body, opposed independent wheel trucks on which said body is mounted, each wheel truck including a wheel frame on which wheels are mounted in tandem, supporting means between each wheel frame and the body permitting the wheel frame to swing about a vertical axis, to oscillate in the plane of the wheels, and to move bodily vertically relative to the body, a brake cage pivotally mounted on

each wheel frame for swinging movement in the plane of the wheel with which it is associated, a brake shoe carried thereby, each brake cage having a rigid arm projecting inwardly from the truck frame, a tie bar pivotally connecting the opposed brake cage arms whereby horizontal turning

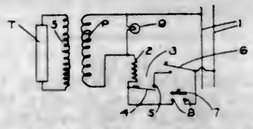
movements of one wheel truck are imparted to the opposed wheel truck, and means connected to said tie bar for turning the same for swinging the brake cages on its pivotal mounting and moving the brake shoes into and out of contact with the wheels.

2,461,264
PRESSING IRON AND STAND
William P. Fox, Columbia, S. C.
Application December 16, 1946, Serial No. 716,481
3 Claims. (Cl. 219—25)



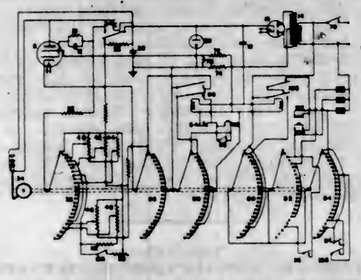
1. A pressing iron and stand, comprising in combination, a base, a plurality of spaced parallel longitudinal ribs formed on said base, adapted to removably receive the iron thereon, an upstanding shield provided at one end of said base, a pair of elongated contact terminals on said shield, a pair of terminal posts at the rear end of said iron, said terminals having an inverted V-shaped cross-sectional configuration, said posts being substantially triangular in cross-section and engageable with said terminals, said iron including an upwardly and rearwardly extending handle support and the upper portion of said shield being forwardly and downwardly arcuated to form a cam-surfaced tongue, said tongue being engageable with said support.

2,461,265
PROTECTED TRANSFORMER CIRCUIT FOR HIGH-VOLTAGE TUBES
Herbert H. Gates, Shrewsbury, Mass.
Application September 17, 1945, Serial No. 616,800
2 Claims. (Cl. 315—276)



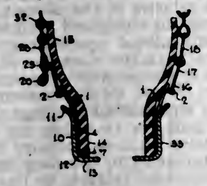
1. In a circuit for high voltage illumination having, a transformer including a primary and a secondary winding, an illuminating device connected across said secondary winding, an alternating current source of electrical energy, one side of said primary winding being connected to one side of said energy source, and a normally open underload relay having its winding and one contact connected in series with the other side of said primary winding and having a second contact adapted to be connected with the second side of said energy source; the improvement which consists in the provision of a manually operable unitary switch movable from an open to a closed position with a snap action, said switch having contacts in circuit with said relay winding and the second side of said energy source so as to establish momentarily, upon an initial movement of said switch to an intermediate position between open and closed, a circuit around the open contacts of said relay and between said relay winding and the second side of said energy source to cause said relay to pull in and close its normally open contacts, and contacts in circuit with the second contact of said relay and said second side of said energy source so as to maintain, upon a final movement of said switch to a second position, said relay contacts closed as long as a current of predetermined value traverses the primary circuit.

2,461,266
TIMING DEVICE
Godwin R. F. Gay, Marblehead, Mass.
Application May 31, 1946, Serial No. 673,336
2 Claims. (Cl. 250—27)

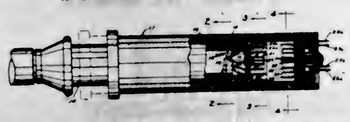


1. A timing control comprising an electron discharge device having an anode, a cathode and a control grid, a condenser connected to the grid, multiple, voltage divider means for supplying a plurality of reference potentials, relay switching means in the anode circuit responsive to flow of anode current for briefly connecting the condenser to a source of charging potential and for thereafter applying a selected reference potential to the condenser to cause the control grid to assume a potential differing from the reference potential by the charge on the condenser, a resistor for dissipating the condenser charge to cause the grid, after a time dependent on the magnitude of the reference potential, to render the electron discharge device operative, said relay switching means including stepwise actuated switching means for successively applying selected reference potentials to the condenser to provide a predetermined sequence of timed intervals between successive operations of the electron discharge device.

2,461,267
TIRE CHAIN HOLDER
Melvin Givens, Montclair, N. J., assignor to Peter G. Gaylor and Fred Laifer, both of Newark, N. J.
Application April 11, 1947, Serial No. 740,890
5 Claims. (Cl. 152—233)

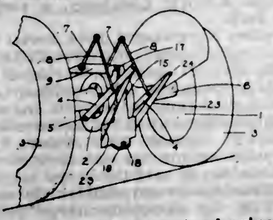
1. In a holder for a tire chain section employing separate oppositely disposed anchoring strips inserted on the wheel between the tire wall and the rim, for holding the ends of the chain section, the invention comprising narrow, rigid strips of sufficient thickness in their upper section to withstand hitting on the top with a hammer, and of length sufficient to extend from above the wheel rim edge to below the tire bead, and a lower section on said strip of less thickness and of such

weaker strength as to cause bending thereof at the inner angular portion of the rim near the tire bead when the top of the strip is hit with a hammer, thereby allowing the angular portion to guide the bent strip section under the tire bead, thus anchoring the strip.

2,461,268
FOUR-WAY CABLE CONTACT
Edwin R. Goldfield, University Heights, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 13, 1946, Serial No. 683,313
2 Claims. (Cl. 173—328)



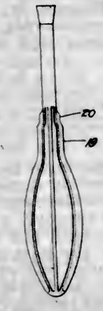
1. High tension electrical contacts adapted for relative twisting movement between male and female contacts comprising three spaced concentric contacts and a fourth contact having a base portion spaced from its end portion and substantially on the same radius as the outermost of said concentric contacts and having an end portion bent radially outwardly from said base portion by an amount slightly greater than the thickness of a mating concentric contact, said fourth contact being electrically insulated from said outermost of said concentric contacts, there being a shoulder portion connecting said base and end portions, and one of said three concentric contacts engaging its mating contact to limit movement of said male and female contacts toward each other before a mating contact can engage said shoulder.

2,461,269
DRAWBAR CONSTRUCTION FOR TRACTORS
William A. Greene, Oxford, Mass.
Application December 14, 1945, Serial No. 634,984
3 Claims. (Cl. 280—33.44)



1. In combination with a tractor having a pair of laterally spaced draft members, and means for maintaining said draft members in a predetermined position with respect to the rear axle housing of said tractor, of a drawbar suspended at its upper end from a fixed point of said axle housing and providing a draft receiving portion at its lower end beside said housing, said drawbar being provided with spaced rigid arms extending rearwardly and pivotally connected at their ends to the ends of said draft members.

2,461,270
BALLOON MOLD
Emile E. Habib, Arlington, and David G. Greenlie, Wayland, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Application February 19, 1946, Serial No. 648,674
3 Claims. (Cl. 18—41)



1. A balloon mold having neck-forming shank and a fluted body-forming portion and a fluted portion intermediate between said body portion and said shank having a perimeter smaller than but at least one-sixth of the maximum perimeter of said body portion, said neck-forming shank having a perimeter smaller than but at least one-sixth of the perimeter of said intermediate portion.

2,461,271
METHOD OF MANUFACTURING BALLOONS
Emile E. Habib, Belmont, and David G. Greenlie, Wayland, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts
Original Application February 19, 1946, Serial No. 648,674. Divided and this application August 6, 1947, Serial No. 766,742
In Canada January 25, 1947
2 Claims. (Cl. 18—58.7)

1. The method for forming balloons and similar hollow objects having a neck reinforcing zone on the body of the balloon which consists in providing a hollow expansible gel having a stepped

portion intermediate the body portion and the

around the circumference of said anode and ex-

crank arm and crank pin ensemble in presence

shaft and thereby causing open-mouthed con-

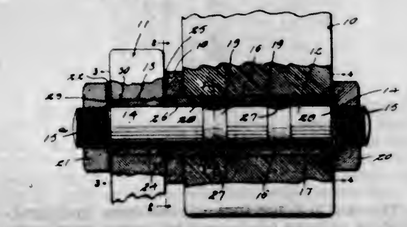
tainers delivered in upright position to one end

portion intermediate the body portion and the neck portion, that part of the intermediate portion adjacent the neck having a diameter greater than but not exceeding approximately 6 times the diameter of said neck and that part of the intermediate portion adjacent the body having a diameter less than but not less than one-sixth of the body portion of said gel, securing the neck portion of the gel against expansion throughout substantially the entire length thereof, expanding the gel by fluid pressure, and drawing the stepped portion of the gel beyond the neck portion into the body of said balloon by said expansion while retaining the molded neck diameter.

2,461,272
CAM-ACTUATED PLIER WRENCH WITH WEDGE ADJUSTMENT
Edward S. Hanson, Jr., Racine, Wis.
Application August 26, 1946, Serial No. 693,024
3 Claims. (Cl. 81—44)

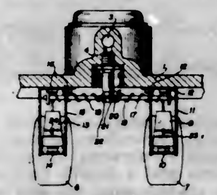
3. In a tool, a rigid main handle having a rigid jaw, said handle having oppositely disposed side walls, a pivot pin extending between said side walls and pivotally supporting a movable jaw cooperating with the fixed jaw in gripping an article, said movable jaw having a rearwardly extending end the under face of which is provided with a cam surface, said rigid handle being hollow, a pair of spaced rearwardly extending arms pivotally supported at their front ends on said pivot pin and having beveled rear ends normally disposed within the hollow portion of the rigid handle, a secondary handle pivotally supported between the free ends of said arms and provided with a cam, resilient means holding the cam surface of the movable jaw in engagement with said cam, a reciprocable plunger within the hollow rigid handle provided with a beveled end adapted to engage the beveled ends of said arms, a sleeve exterior of the main handle and rotatable thereon and provided interiorly of the handle with a rotatable interiorly threaded nut, said plunger provided with an exteriorly threaded end threadedly engaging said nut, and rotation of said sleeve and nut acting to reciprocate the said plunger.

2,461,273
CRANKPIN REPLACEMENT BEARING CONSTRUCTION
John W. Heaston, Huntington Beach, Calif.
Application January 30, 1945, Serial No. 575,302
4 Claims. (Cl. 74—598)



1. In means for restoring the operative relationship between a pitman and its co-operating crank arm and crank pin ensemble in presence of worn conditions within the ensemble, the combination with the pitman and crank arm, of an assemblage operative to function as a crank-pin having a rigid connection with the crank arm and rotatable relative to the pitman, said assemblage including an elongated member extending through axially alined openings of the pitman and crank arm with the diameter of the member less than that of the respective openings and with the end zones of the member extending beyond the crank arm and pitman openings and threaded for receiving nuts for retaining the ensemble in operative relation, and an annular element carried by and anchored to the member and freely rotatable within and relative to the pitman, an end zone of the element having a collar constituting a spacing member for the pitman and crank-arm, said crank arm nut and said collar each being formed to permit location of an anchoring medium of fusible type between the nut, collar, elongated member and the crank arm to thereby anchor the crank arm to said elongated member.

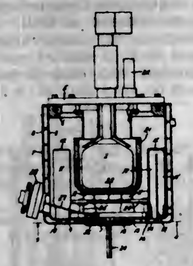
2,461,274
CARBURETOR FLOAT MECHANISM
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio, a corporation of Delaware
Application August 24, 1946, Serial No. 692,818
2 Claims. (Cl. 74—470)



1. In combination with a device employing a slidably mounted member and a pair of transversely spaced members pivotally mounted for movement in a fore and aft direction, a resilient linkage between each of said pivotal members and said slidable member of sliding actuation of said slidable member independently in response to pivotal movements of either or both of said pivotal members, said resilient linkage comprising a leaf spring connected to each of said pivotal members and a pair of separate coil springs one end of each of which bears against said slidable member and the other end of each of said coil springs bears against said leaf spring.

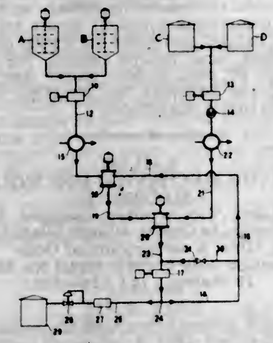
2,461,275
POOL-TYPE ELECTRIC DISCHARGE DEVICE
Carl C. Herskind, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application November 8, 1946, Serial No. 708,537
9 Claims. (Cl. 250—27.5)

1. An electric discharge device of the single anode type including a generally cylindrical enclosure, a pool-type cathode in one end of said enclosure, a generally cylindrical anode supported in insulated relation with respect to said enclosure and having an end thereof in opposed spaced relation to said pool-type cathode, a baffle interposed between said anode and cathode obstructing the direct discharge path between said anode and cathode, a plurality of elongated baffle members arranged in spaced relation around the circumference of said anode and extending vertically from the region of said cathode to a point substantially above the end of said



anode, said baffle members cooperating with said transverse baffle to divide the discharge and to distribute the discharge over the anode surface.

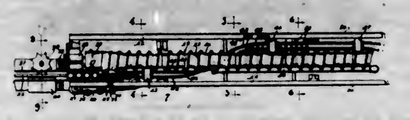
2,461,276
MANUFACTURE OF SOAP-THICKENED COMPOSITIONS AND APPARATUS THEREFOR
Charles Ray Hetherington, Bronxville, N. Y., assignor to California Research Corporation, San Francisco, Calif., a corporation of Delaware
Application November 12, 1946, Serial No. 709,319
6 Claims. (Cl. 252—32)



1. Continuous process of making grease, which comprises continuously intimately admixing proportional amounts of preformed soap stock and preformed grease to form an intermediate uniform dispersion, and continuously intimately admixing said uniform dispersion with a proportional amount of oil to form another uniform dispersion characterized by high stability and a reduced soap content as compared with the first mentioned dispersion.

2,461,277
ARTICLE CONVEYING MECHANISM
John Hehl, Robert K. Beinap, Jr., and Herbert A. Barnby, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application November 16, 1944, Serial No. 563,720
9 Claims. (Cl. 198—33)

7. The combination of a worm conveyor comprising a shaft and having a spiral conveying surface extending lengthwise of the shaft and concentric therewith, a support in which the shaft is horizontally mounted for rotation, means for rotating the conveyor about the axis of said shaft and thereby causing open-mouthed containers delivered in upright position to one end thereof to be advanced by the conveyor, stationary guiding means comprising a series of guiding rods to engage, respectively, the bottoms, sides and tops of the containers, said rods extending along the conveyor and spaced therefrom in position to hold the said containers in contact with the spiral driving surface, the series of rods including an article inverting section and a reinverting section, the portions of the rods



comprising each said section being extended spirally around the conveyor through an angular distance of substantially 180°, and means for delivering the articles to the spiral conveyor and directing them into position between the said guide rods and the spiral conveying surface, said directing means comprising a belt extending substantially parallel with the conveyor shaft along and spaced from an end portion of the conveyor to provide a guideway for the containers, and pulleys on which said belt is mounted.

2,461,278
STANDARDIZATION OF THERAPEUTIC CURARE PREPARATIONS
Horace A. Holaday, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York; dedicator to the People of the United States
No Drawing. Application December 13, 1945, Serial No. 634,895
11 Claims. (Cl. 167—67)

1. In the production of a physiologically-standardized curare-drug preparation, assaying the curare-drug by determining the relative volumes of aqueous solutions of the test sample and of a reference standard required to produce the same temporary paralysis of muscles of a mammalian laboratory-tested animal when slowly injected intravenously into the same animal under the same conditions at different times, the animal being permitted to recover from one injection before being subjected to the other injection, and making up a preparation of the desired activity from the assayed curare-drug in accordance with the assay results.

2,461,279
HYDRAULIC CIRCUIT
Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application April 1, 1946, Serial No. 658,590
3 Claims. (Cl. 60—53)

1. A hydraulic unit comprising means for supplying liquid, a pump, a motor and connections such that the pump draws liquid from the liquid supplying means and discharges it through the motor; means for restricting the flow of liquid discharging from the motor; adjustable means for progressively varying the effective displacement of the pump; yielding means biasing said adjustable means in a direction to cause the pump to operate at full displacement; and two pressure responsive means arranged to react on said adjustable means in opposition to said bias the first

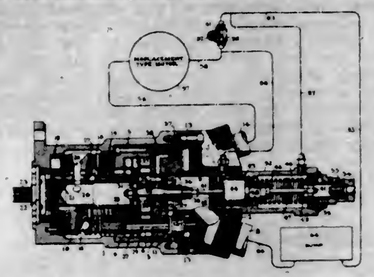
of which responds to fluid pressure in the connec-

other workpiece in upright position, a decorating

a comparatively small torque, means for apply-

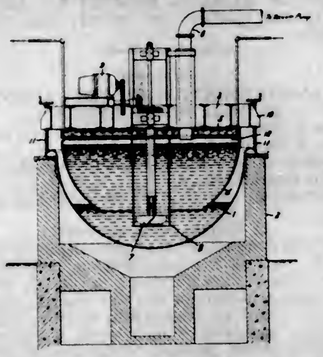
cally mounted in the sleeve and provided with a transverse opening adjacent its inner end, said

of which responds to fluid pressure in the connection between the pump and motor and the sec-



ond of which responds to the back pressure developed by said flow restricting means.

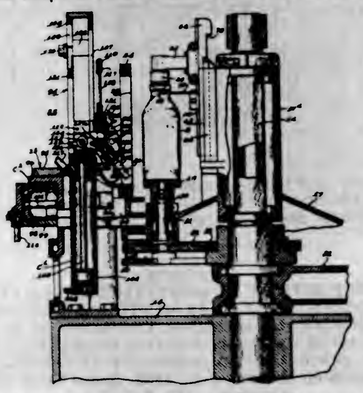
2,461,280
REFINING OF LEAD
William T. Isbell, Herculaneum, Mo., assignor to St. Joseph Lead Company, New York, N. Y., a corporation of New York
Application May 25, 1944, Serial No. 537,265
1 Claim. (Cl. 75—78)



A method of removing zinc from lead containing a small amount of zinc of the order of that left in lead by the zinc desilvering process which comprises maintaining a body of molten zinciferous lead at a temperature of about 1100° F., agitating said body of lead to provide a continually renewed extended surface thereof, subjecting the extended surface to a reduced absolute pressure of not more than about 1 millimeter of mercury, and maintaining an extended water-cooled solid surface adjacent said extended surface of molten lead.

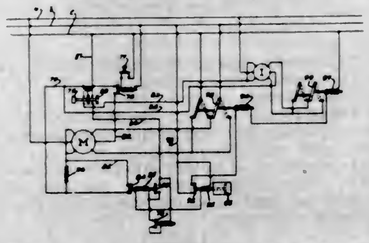
2,461,281
MACHINE FOR APPLYING SURFACE DECORATIONS TO BOTTLES AND JARS
Albert S. Jackson, Wood River, and Clarence A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application July 5, 1946, Serial No. 681,618
15 Claims. (Cl. 101—123)

1. A decorating machine comprising a machine base, a carriage mounted thereon for rotation about a vertical axis, work-holders mounted on the carriage and arranged at uniformly spaced positions around the axis of the carriage and each comprising means for holding a bottle or other workpiece in upright position, a decorating unit having a stationary mounting at a decorating station adjacent to the path of the workpieces, said decorating unit comprising a carrier mounted for horizontal movement radially of the said carriage, a piston motor comprising a vertical cylinder attached to said carrier and a vertically reciprocating piston rod and piston, a screen frame and screen on said carrier, a squeegee arm



and squeegee connected to the motor piston for up-and-down movement therewith, said decorating unit comprising a screen motor arranged to drive said carrier and move the screen to decorating position, and control means for effecting movement of said piston motor and thereby operating the squeegee for applying a surface decoration to the workpiece.

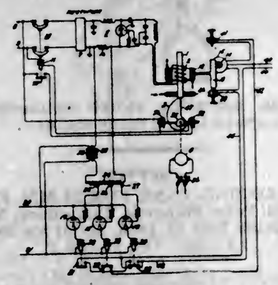
2,461,282
INJECTOR MECHANISM FOR MOLDING MACHINES
Conrad Jobst, Toledo, Ohio, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 6, 1945, Serial No. 603,449
12 Claims. (Cl. 318—302)



11. The combination with power transmitting mechanism including telescopically mounted elements having cooperating helical driving surfaces, said elements being relatively movable in the direction of their axis by a relative rotation, of power motors individual to said elements, driving mechanism through which the motors are geared to said elements respectively, one said motor being geared to normally drive its said element at a comparatively slow speed and powered to apply a comparatively great driving torque to its said element, the other motor being geared to normally drive its said element at a comparatively high speed and powered to apply thereto

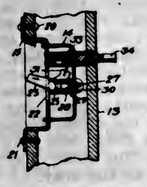
a comparatively small torque, means for applying to said elements a resistance to their said relative rotation and increasing it during said rotation and thereby stopping the said smaller torque motor, and automatic controlling mechanism for maintaining the larger torque motor in operation and causing both motors to maintain a driving torque after the low torque motor is stopped.

2,461,283
HIGH-FREQUENCY HEATING REGULATOR
John Paul Jordan, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 7, 1946, Serial No. 667,824
6 Claims. (Cl. 219—47)



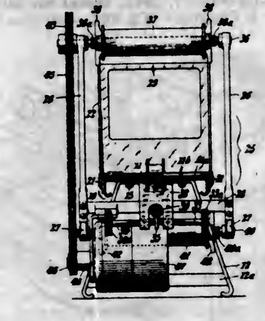
1. High frequency heating apparatus comprising a high frequency induction heating coil provided with a plurality of axially spaced turns, a short circuited coil surrounding said heating coil having an axial length substantially the same as the axial length of said heating coil, and means for moving relatively said heating coil and said short circuited coil axially between positions of substantial nonencirclement of said heating coil by said short circuited coil and positions of substantially complete encirclement of said heating coil by said short circuited coil thereby to vary substantially the power input to said heating coil.

2,461,284
LOCK BOLT
Reinhold Kemmet, Everett, Wash.
Application November 5, 1945, Serial No. 626,673
1 Claim. (Cl. 292—143)



A lock for the rear door of an automobile having a door post and front and rear doors, said lock comprising a frame adapted to be detachably mounted in the door post and having an outwardly opening, recessed face opening toward the side of said door post which is engaged by the front vehicle door, a sleeve mounted in said frame and opening outwardly of the opposite side of the door post and toward the rear vehicle door, an L-shaped lever pivotally mounted at its apex in said frame and having one arm thereof extending into the recessed face of the frame and swingably disposed relatively thereto, a bolt reciprocally mounted in the sleeve and provided with a transverse opening adjacent its inner end, said sleeve being provided with a longitudinal slot, the other arm of said lever extending upwardly and being provided with a restricted extension swingably disposed in the slot of said sleeve and loosely engaging the opening of said bolt whereby the bolt will be projected and retracted when the first mentioned end of the lever is manually actuated in the recessed face of the frame, said bolt, when in a projected position, being adapted to engage a recess in the free edge of the rear door for retaining said door in a closed and locked position, and said recessed face of the frame being disposed to be closed by said front door when the latter is in a closed position to prevent actuation of the lever for locking or unlocking the rear door.

2,461,285
MOTION-PICTURE TITLER
Harold E. Kleintop, Parkesburg, Pa.
Application June 6, 1945, Serial No. 597,913
5 Claims. (Cl. 88—16)



2. A motion picture titler including in combination, a horizontal base for stationarily supporting a motion picture camera; a transversely arranged easel on the base having a frame aperture in axial alignment with the lens of the camera; a vertical bracket for rotatably sustaining at its top and bottom respectively, supply and take up spools for passage of a legend bearing scroll across the frame aperture of the easel, said bracket having a bar extending transversely thereof; a horizontal axis pivot centrally of said bar at right angles to the spool axes; a bearing in which the pivot is rotatively supported from the base; and means for adjusting the bracket about the pivot to align the scroll vertically with the frame aperture of the easel.

2,461,286
RADIO-FREQUENCY BRIDGE
Halsey W. Kline, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 10, 1946, Serial No. 675,563
5 Claims. (Cl. 175—183)

1. Radio frequency measuring apparatus comprising a four arm resistance bridge having opposite input terminals, a line for supplying said bridge at radio frequency connected across said input terminals, a resistor connected across the bridge terminals of said line, said bridge having arms of substantially equal resistance and the combined impedance of the bridge and resistor

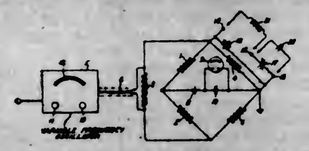
being not greater than the surge impedance of said line when supplied at radio frequency, a

tric firing means for igniting said charge; a source of electric current; and circuit means in-

alined position with respect to their longitudinal axes and having below said operating station a conveyor belt which receives and advances said

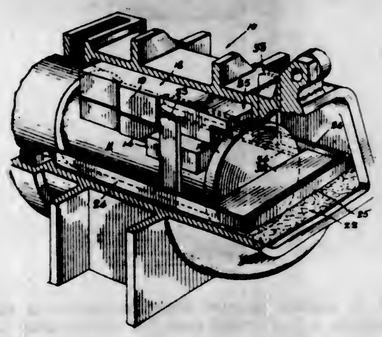
when said piston is moved in said direction by said fluid, at least one of said members being equipped with a longitudinal key slot, and a

being not greater than the surge impedance of said line when supplied at radio frequency, a rectifier instrument connected across the other opposite terminals of said four-arm bridge, a circuit changer for short circuiting one arm of



said bridge, a pair of test terminals connected to the ends of said last-mentioned bridge arm and a calibrated variable capacitor connected between one of said test terminals and a third test terminal.

2,461,287
PACKING RETAINER FOR JOURNAL BOXES
Magnus Lagreid and John Henry McGuire, Minneapolis, Minn.
Application June 7, 1945, Serial No. 598,060
5 Claims. (Cl. 308—89)



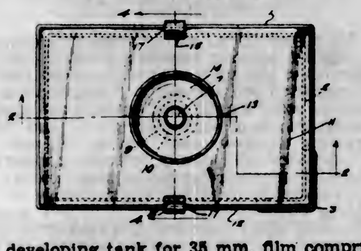
1. In a packing retainer for journal boxes, two spaced side pieces of angle section with their horizontal flanges directed toward each other and their vertical flanges directed upwardly from the outer edges of the horizontal flanges, a front piece connecting the side pieces, a cover plate between the side pieces adjacent to the front piece, and a post extending upwardly from each side piece behind the cover plate.

2,461,288
AIRCRAFT LANDING GEAR
Carl R. Livermon, Roxobel, N. C.
Application April 10, 1945, Serial No. 587,511
6 Claims. (Cl. 244—103)

1. In an aircraft landing gear of the character described, in combination, a landing wheel strut; a landing wheel rotatably mounted on said strut; a turbine rotor carried by said wheel; blades having inlet edges on said rotor a cartridge supporting frame fixed to said strut adjacent said wheel; a cartridge having an open-ended case defining a nozzle orifice supported on said frame, the orifice of said case being positioned closely adjacent the blades of said rotor and so constructed as to conform to a sector of the path of the inlet edges of said blades and to direct a stream of impelling gas against the blades of said turbine rotor, said cartridge containing an explosive charge; electric firing means for igniting said charge; a source of electric current; and circuit means in-

cluding an operating switch connecting said source of current to said firing means.

2,461,289
DEVELOPING TANK FOR 35 MM. FILM
Joseph Peter Mancuso, Jamesburg, N. J.
Application July 27, 1946, Serial No. 686,606
1 Claim. (Cl. 95—90.5)



A developing tank for 35 mm. film comprising a tank formed with a peripheral groove, a cover therefor having a sealing flange detachably seated in said groove, means for maintaining said cover on the tank, a tray mounted in vertically spaced placement in the tank, a central upstanding tubular opening on said tray defining a sectional film holder, U-shaped film guides, having oppositely extending cooperatingly directed retaining fingers, spaced along the sides of the tray for accommodating film laced therebetween and film supporting clips, having holding slots, detachably positioned on the tray for selective use responsive to the length of the film, a light trap collar depending telescopically from said cover in the tubular opening, an operating rod extending from said tray through the collar exteriorly of the cover for imparting vertical reciprocation to the tray.

2,461,290
BOTTLE CHUTE
Ernest W. Maynard, Brooklyn, N. Y., and Louis P. Di Giacomo, Jersey City, N. J., assignors to American Home Products Corporation, New York, N. Y., a corporation of Delaware
Application October 13, 1945, Serial No. 622,204
5 Claims. (Cl. 198—38)

2. In a bottle-handling machine having an operating station which periodically and automatically ejects bottles to fall freely in uniformly

alined position with respect to their longitudinal axes and having below said operating station a conveyor belt which receives and advances said bottles: a bottle chute interposed in the trajectory of said bottles between said operating station and said conveyor belt, the chute having a sinuous bottle channel formed in part by a cylindrically curved wall of the chute and a resilient cylindrically curved check plate, the generating elements of both curved surfaces being substantially parallel, the upper portion of said check plate being positioned to receive and check one end of each

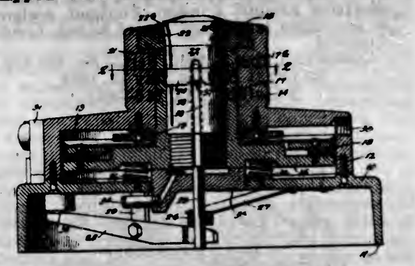
bottle in its fall while permitting the other end to descend in an arc into the sinuous bottle passage, the lower end of said check plate projecting sufficiently into the bottle passage to damp but not prevent the descent of each bottle, the sinuous bottle passage terminating at its lower end in a straight vertical portion immediately above the conveyor belt, the straight portion of the passage having an opening on one side to permit egress of the bottles but having at least two other sides closed to steady the bottles as they land on the belt.

2,461,291
MANUFACTURE OF DRIED MEAT
Harry H. McKee, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 7, 1944, Serial No. 567,123
8 Claims. (Cl. 99—158)

3. The method of smoking and drying a thin beef slice comprising: confining said slice of wafer thin thickness between apertured sheets in an extended position to prevent curling and subjecting said slice between said sheets to an atmosphere of smoke and an elevated temperature of about 170° to 175° F. for a period of time of about 10 to 30 minutes to smoke and dry said meat.

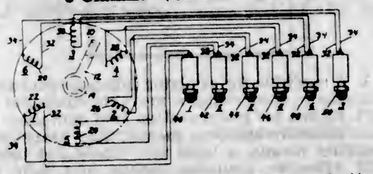
2,461,292
WORK HOLDER
Theodore E. Mead, Wilmette, Ill., assignor to Mead Specialties Company, Inc., a corporation of Illinois
Application June 18, 1945, Serial No. 600,156
4 Claims. (Cl. 279—4)

1. In a work holder, a casing providing a piston chamber and a tubular bore aligned therewith, a piston in said chamber and equipped with a tubular member received within said tubular bore, a hollow clamping member in said tubular piston member and adjustably connected thereto, means for admitting fluid to said chamber to move said piston in one direction, means associated with said casing for causing the clamping member to grip a work-piece received therein when said piston is moved in said direction by said fluid, at least one of said members being equipped with a longitudinal key slot, and a



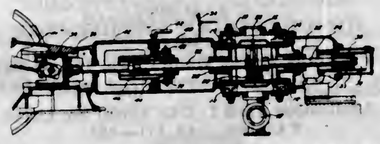
spring member equipped with a key engaging said slot and having arms engaging the member to which said spring is not attached by said key.

2,461,293
IGNITION CIRCUIT
Raymond J. Miller, Detroit, Mich.
Application June 21, 1943, Serial No. 491,584
3 Claims. (Cl. 315—213)



1. An ignition circuit comprising a battery, spaced induction coils, a rotatable electromagnet adapted to move with reference to the induction coils, connecting means between the battery and one end of the electromagnet, connecting means between the battery and the other side of the electromagnet, and means to close the circuit between the battery and the electromagnet when the electromagnet is aligned with one of the induction coils.

2,461,294
SEAL FOR GAS COMPRESSORS
Ellis Nathan, Easton, Pa., assignor to Pennsylvania Pump & Compressor Company, Easton, Pa., a corporation of Pennsylvania
Application May 21, 1946, Serial No. 671,242
3 Claims. (Cl. 230—203)



1. A compressor for gases comprising a gas compressing cylinder having intake and discharge valves mounted therein, an auxiliary compressing cylinder adjacent thereto, a piston rod having pistons thereon operating within said cylinders, a closed chamber into which the discharge from said auxiliary cylinder discharges, said chamber being connected at one end to said gas compressing cylinder and to said auxiliary compressing cylinder at its opposite end, and a piston rod packing between said chamber and gas compressing cylinder.

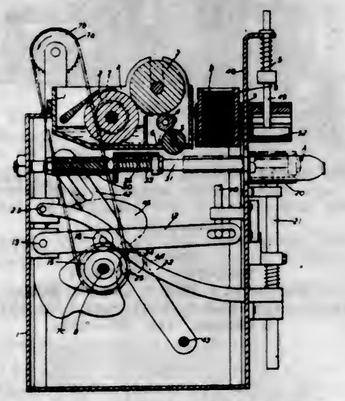
2,461,295
LABELING MACHINE
Robert John Newman, Enfield, and Dagobert

teeth when aligned presenting openings for said slots whereby windings may be positioned therein, and aligning means on said laminations, said

spaced apart and arranged under predetermined tension in engagement with said drive member and said driven member for providing a driving

ous-alkaline saponification of a fatty oil containing unsaponifiable oil-soluble pigment material, the improved step which comprises: mixing fatty oil and an excess of aqueous alkali under vacuum

2,461,295
LABELING MACHINE
Robert John Newman, Enfield, and Dagobert Siegfried Freund, London, England, assignors of one-third to Edward Albert Baker, London, England
Application May 9, 1945, Serial No. 592,856
In Great Britain May 19, 1944
2 Claims. (Cl. 216—54)

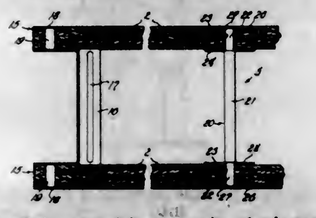


1. A machine for applying labels to packages or containers, comprising a movable container support, means for reciprocating said container support, adhesive applying means, label transfer and applying means, a label pile interposed between said adhesive applying means and said label transfer and applying means, a label gumming and picker device, and means for reciprocating said gumming and picker device in a direction which is transverse to the direction of movement of said container support so that said gumming and picker device in moving toward said container support first receives adhesive from said adhesive applying means, and is then caused to collect a label from said pile and to bring said label to a container carried upon said container support, and means for timing the movement of said container support and said label transfer and applying means so that the label is transferred from the said label gumming and picker device to the container carried upon said container support during the movement of the said container support and container.

2,461,296
DYNAMOELECTRIC MACHINE CORE MEMBER
Arthur Frank Ordas, Huntertown, Ind., assignor to General Electric Company, a corporation of New York
Application April 1, 1948, Serial No. 18,446
9 Claims. (Cl. 171—252)

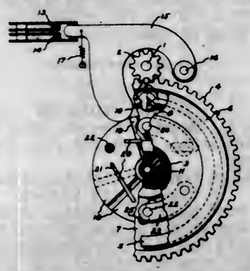
1. In a dynamoelectric machine, a magnetizable core member composed of a plurality of laminations, said laminations having a plurality of teeth defining winding slots therebetween, said teeth when aligned presenting openings for said slots whereby windings may be positioned therein, and aligning means on said laminations, said means being out of line when said teeth are aligned, said means being adapted to be aligned for causing said teeth to be out of line whereby said slot openings are closed a predetermined amount after said windings are emplaced.

2,461,297
PALLET
William J. Philp, Battle Creek, Mich., and Charles W. Parmentier, Philadelphia, Pa.; said Philp assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application October 17, 1946, Serial No. 703,766
10 Claims. (Cl. 248—120)



1. A pallet comprising a pair of planar rectangular platforms disposed in fixed vertical relation with respect to each other by corner brackets arranged between each of the corner edges of said platforms and side brackets disposed between side edges of said platforms intermediate the corner edges thereof, said corner brackets each having upper and lower channel sections substantially U-shaped in cross-section embracing adjacent side edges of the corners of the platforms and a vertically extending integral wall member between said channel sections, and side brackets each having upper and lower channel sections substantially U-shaped in cross-section in which the adjacent side edges of the pair of platforms are disposed.

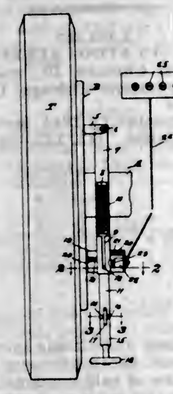
2,461,298
COMBINATION COUPLING AND OVERLOAD CAM OPERATED DEVICE
Hugh M. Stephenson, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application October 5, 1944, Serial No. 557,363
12 Claims. (Cl. 192—150)



1. A coupling overload device for transmitting torque in either direction of rotation and for controlling a limit device above a predetermined maximum transmitted torque including a drive member, a driven member, an arcuate spring member having the ends thereof circumferentially

spaced apart and arranged under predetermined tension in engagement with said drive member and said driven member for providing a driving connection therebetween through said spring, means including a pivotally mounted operating arm arranged for operating a limit device on actuation thereof, means including a radially expansible diaphragm cam mounted for radial movement outwardly or inwardly on relative rotational movement of said drive and driven members, and means for biasing said operating arm into engagement with said diaphragm cam for operation of a limit device on relative rotational movement between said drive and driven members beyond a predetermined value.

2,461,299
TIRE DEFLATION SWITCH
Clarence E. Sullivan, Atlanta, Ga.
Application March 24, 1947, Serial No. 736,787
3 Claims. (Cl. 200—58)



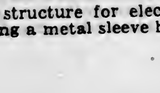
2. As an attachment to a motor vehicle, a tire-actuated switch comprising a bracket secured to the brake housing of the wheel on which the tire is mounted, a housing pivotally connected to the bracket at one end for swinging movement in a plane perpendicular to the plane of a tire of the vehicle, the other end being free, a shaft slidable in the housing and having one end extending from the free end thereof, means hinged to said end of the shaft for swinging movement in a plane parallel to the plane of the tire, and positioned relative to the side wall of the tire for lateral movement thereby upon deflation of the tire, whereby the free end of the housing may be pivotally moved, and an electrical contact element mounted on the vehicle for engagement by the free end of the swung housing.

2,461,300
METHOD OF CONDITIONING A HARD SOAP FOR SOLVENT EXTRACTION
John M. Tabor, East Islip, N. Y., Howard F. Seibert, Mason, Mich., and Paul R. Frohring, Bainbridge, Ohio, assignors to General Biochemicals, Inc., Chagrin Falls, Ohio, a corporation of Ohio
Original application October 13, 1943, Serial No. 506,060. Divided and this application August 1, 1945, Serial No. 608,280
1 Claim. (Cl. 260—418)

In a method of conditioning a hard soap for solvent extraction, which soap is formed by aqueous-alkaline saponification of a fatty oil containing unsaponifiable oil-soluble pigment material, the improved step which comprises: mixing fatty oil and an excess of aqueous alkali under vacuum in a closed saponification zone, continuously agitating the saponification mixture, continuously maintaining a pressure in the saponification zone not exceeding 355 mm. of mercury throughout the saponification by continuously exhausting gases and vapors therefrom, and continuing said agitation and the maintenance of said sub-atmospheric pressure until the soap formed is substantially dry, whereby the heat of saponification is utilized to boil off water entrapped in soap lumps formed during saponification at a temperature substantially below the normal boiling point of water and the lumps are thus disrupted and comminuted and the soap is made accessible to the solvent.

2,461,301
POLYMERIZABLE CHEMICALS
Pliny O. Tawney, Passaic, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 5, 1944, Serial No. 534,322
7 Claims. (Cl. 260—80)

5. A polymerizable chemical having the formula

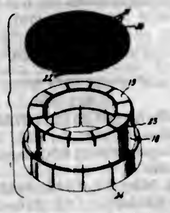


where R is selected from the class consisting of allyl and methallyl radicals.

2,461,302
METHOD OF FLAMEPROOFING
John Truhlar, Clarendon Hills, and Athan A. Pantsios, Chicago, Ill., assignors to Rudolf F. Hlavaty, Cicero, Ill.
No Drawing. Application July 28, 1945, Serial No. 607,659
1 Claim. (Cl. 117—138)

The process of flameproofing a quantity of material which includes the steps of dipping the material in a solution of antimony chloride and an organic phosphite, and thereafter steaming the impregnated material to convert the antimony chlorides to antimony oxides, the said solution containing 80 parts acetone, 20 parts antimony trichloride, and 8 parts triamyl phosphite.

2,461,303
GRID STRUCTURE FOR ELECTRIC DISCHARGE DEVICES
Robert P. Watson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 9, 1948, Serial No. 13,934
6 Claims. (Cl. 250—27.5)



1. A grid structure for electric discharge devices including a metal sleeve having an inwardly

directed flange, a plurality of spaced slots extending through said flange and the adjacent side wall of said sleeve, an apertured disk of metal

feeding audio frequency energy to an input electrode, circuit means for withdrawing amplified audio frequency energy from an output elec-

fingers in the path of travel of the cup fingers, and a downwardly inclined series of collecting chutes carried by the band, positioned rearwardly

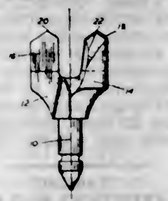
in humidity of an atmosphere to which it is exposed, an electrical resistance element bonded to said sheet whereby changes in the dimensions of said sheet produce changes in the dimensions

directed flange, a plurality of spaced slots extending through said flange and the adjacent side wall of said sleeve, an apertured disk of metal having a different temperature coefficient of expansion than said sleeve, and a plurality of wires bonded to said disk, said disk being bonded to said inwardly directed flange.

2,461,304
CONTROL VALVE
John Harrison Wilson, Bay Shore, N. Y.
Application July 12, 1945, Serial No. 604,702
3 Claims. (Cl. 277—71)

1. A control valve for use with fluids flowing selectively in different directions, comprising a valve body having upper and lower seats, a pair of opposed flap valves arranged to selectively seat on the lower seat and close the body by fluid flowing in one of two opposite directions, said flap valves hinged to hang down by their weight when under no lateral fluid pressure and unseat and open the body, a valve head above the body integral therewith, and a fluid outlet conduit from the head.

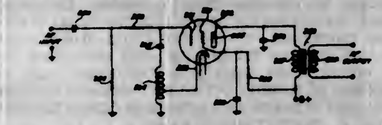
2,461,305
ROTARY BIT FOR DRILLING COAL AND ROCK
William Winn, Monkseaton, England, assignor to Victor Products (Wallsend) Limited, a British company
Application September 14, 1944, Serial No. 554,030
In Great Britain September 22, 1943
3 Claims. (Cl. 255—61)



1. A rotary drilling bit having two wings each with a cutting face whose end is of angular form with a projecting apex spaced from the axis of the bit, one of said wings having its inner edge parallel to the axis of the bit and the other wing having its inner edge throughout the entire extent of the wing inclined from its base outwardly from said axis toward its outer end, and also having the apex of its angular end further from the axis of the bit than is the apex of the other said wing.

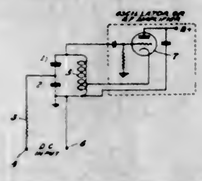
2,461,306
OSCILLATOR-AMPLIFIER RADIO CIRCUITS
John J. Antalek, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application May 31, 1943, Serial No. 489,235
7 Claims. (Cl. 250—36)

6. In combination, an electronic tube including input and output electrodes, circuit means for feeding audio frequency energy to an input electrode, circuit means for withdrawing amplified audio frequency energy from an output electrode, means for biasing said input electrode, said biasing means including circuit means connected thereto and oscillating at a super-audible frequency, and a biasing resistor also connected



thereto, and filter means interposed between input electrode and audio frequency feeding circuit means and between output electrode and audio frequency withdrawing circuit means, respectively, said filter means passing said audio frequency, whereby said tube functions simultaneously as an oscillator and as an audio frequency amplifier.

2,461,307
MODULATING SYSTEM
John J. Antalek, Chicago, Ill., assignor to The Rauland Corporation, Chicago, Ill., a corporation of Illinois
Application November 13, 1944, Serial No. 563,275
5 Claims. (Cl. 332—30)

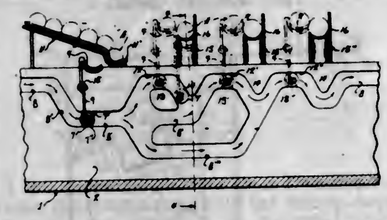


2. In a frequency modulating system, a circuit comprising at least two condensers connected in series, at least one of said condensers having an amorphous dielectric with a constant exceeding 75 and a capacity which varies when different direct potentials are applied across it, a source of modulating direct potentials connected across said one of said condensers and comprising a direct current source for providing a fixed direct potential, a signal source for providing varying signal potentials and a circuit for combining the direct potential and the signal potentials, an output inductance connected in series with said condensers, and a resistor in series with said source of modulating potentials and said one of the condensers.

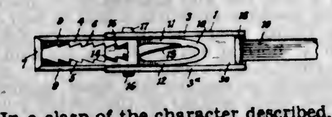
2,461,308
MACHINE FOR ASSORTING EGGS ACCORDING TO WEIGHT
Adrian A. Brown, Lake Geneva, Wis.
Application April 4, 1947, Serial No. 741,185
1 Claim. (Cl. 209—121)

An egg grading machine comprising a rotary table, a fixed band about the table, a main cam track carried by the band interrupted by a lower medium egg track section and a heavy egg track section upon a lower plane than the medium track section, the medium and heavy track sections communicating with a series of cam loops, a counter balanced egg weighing scale arm pivotally mounted upon the table, having a roller engaging the cam track, a fingered cup extending upwardly from the scale arm, a downwardly inclined runway carried by the band, the runway being provided with upwardly curved bottom

fingers in the path of travel of the cup fingers, and a downwardly inclined series of collecting chutes carried by the band, positioned rearwardly of each cam loop, the said chutes being slotted at their upper ends to permit travel therethrough of the cup fingers, whereby a light weight egg

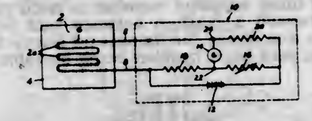


may be delivered to the first chute, a medium weight egg to the second chute and a heavy weight egg to the third chute, the roller carrying scale arm and associated cup being caused to travel upward and downward through the first, second and third cam loops to selectively sort three grades of eggs.

2,461,309
BRACELET CLASP
Julius Cedar, New York, N. Y.
Application October 3, 1945, Serial No. 620,008
2 Claims. (Cl. 24—71)

1. In a clasp of the character described, a casing connected near one of its ends to one of a pair of pivotally joined links, said casing having flanges extending along its longitudinal edges, said links being adapted to be either located within the casing or swung to an extended position out of the casing, a slidable link member in the form of an open frame movable into or out of the casing, said slidable link member being provided along its longitudinal edges with inwardly turned flanges, one of the pivotally joined links being provided with flanges for a portion of its length for engagement behind those on the slidable link member to thereby hold the pivotal link from swinging movement out of the casing while the slidable link member is in a retracted position within the casing, the slidable link member having two spaced edges each provided with ratchet teeth, a U-shaped spring member within the casing and located between the slidable link member and the back of the casing, said spring member being provided with detents engaging the ratchet teeth, and means on the spring member projecting through the casing and disposed externally of the casing for manually causing a simultaneous disengagement of the detents from the ratchet teeth.

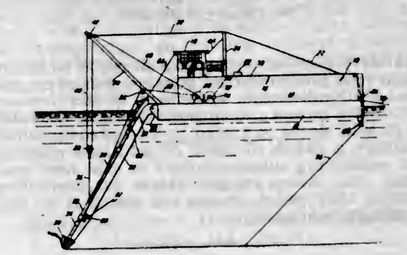
2,461,310
APPARATUS FOR MEASURING HUMIDITY
Putnam Cilley, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts
Application May 21, 1947, Serial No. 749,437
5 Claims. (Cl. 73—335)

1. A humidity measuring device comprising, in combination, a sheet of hygroscopic material that expands and contracts in response to variations in humidity of an atmosphere to which it is exposed, an electrical resistance element bonded to said sheet whereby changes in the dimensions of said sheet produce changes in the dimensions



and electrical resistance of said element, and an electrical resistance measuring circuit connected to said element to measure the resistance of said element as a measure of the humidity of said atmosphere.

2,461,311
CONTROL SYSTEM FOR HYDRAULIC DREDGES
Paul J. Cushing, Piedmont, and Paul M. Enright, Oakland, Calif., assignors to Hydraulic Dredging Company, Ltd., Oakland, Calif., a corporation of Delaware
Application December 29, 1945, Serial No. 637,946
9 Claims. (Cl. 114—230)



1. On a hydraulic dredge having a control station, a plurality of mooring wires adapted to position the vessel for dredging operation, and means including control devices located at said control station for retracting or lengthening each wire, an electrical signalling device for each wire comprising a self-synchronizing transmitter motor having a rotor shaft adapted to be rotated by a movement of the wire, a self-synchronizing receiver motor, a plurality of wire leads connected to the motor so that the rotor of the receiver motor is adapted to reproduce the movement of the rotor of the transmitter motor, a dial for each wire at the control station, each dial having indicating means associated therewith and connected to the rotor shaft of a receiver motor to indicate the direction of movement and magnitude of said movement of one of the mooring wires.

2,461,312
HOSE FITTING MECHANISM
J. Gordon Dahlem, Fort Wayne, Ind., assignor to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland
Application March 21, 1946, Serial No. 655,953
30 Claims. (Cl. 284—18)

4. In a hose coupling, the combination of a stationary inner coupling member having a hose connection at its inner end and a valve seat at its outer end, a valve movable to seated and unseated positions, resilient means urging said valve toward closed position, a latch for locking said valve

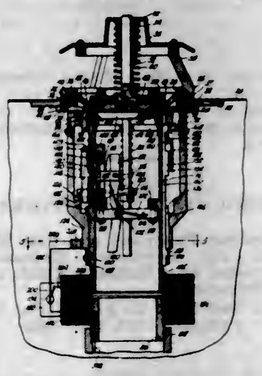
in closed position, pressure responsive means for moving said latch to unlocked position when the

2,461,314
COIN SLIDE

2,461,316
WINDOW FIXTURE
John Di Lorenzo, Jeannette, Pa., assignor of

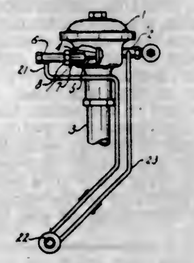
2,461,318
ELECTRIC CLOTHES DRIER
Arthur J. Folli, Chicago, Ill.

in closed position, pressure responsive means for moving said latch to unlocked position when the pressure reaches a predetermined value, means for urging said latch toward locked position, an outer rotatable coupling sleeve rotatably mounted on said inner coupling member, a latch member urged toward a position between said coupling member and sleeve for fixing said sleeve against rotation, said latch member being movable to in-



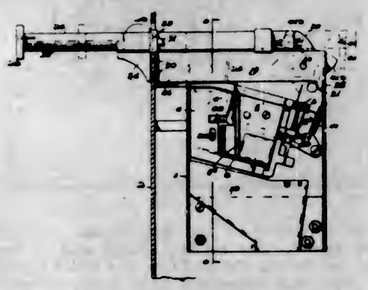
operative position when said sleeve is to be rotated to a predetermined position, means on said sleeve for preventing movement of the pressure responsive means and thus unlocking of the latch until said sleeve is moved to said predetermined position, a switch disposed on said hose coupling for controlling supply of fluid to said hose coupling, and means on said sleeve for preventing closing said switch unless the sleeve is in said predetermined position.

2,461,313
VALVE OPERATING MECHANISM
Charles S. Davis, Pittsburgh, Pa.
Application November 1, 1944, Serial No. 561,469
2 Claims. (Cl. 137—139)



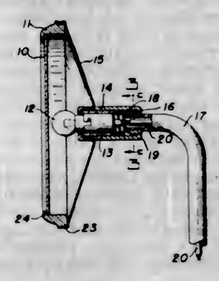
1. An operating mechanism for a flush valve having an operating arm, a cylinder mounted to the casing of the valve, a plunger extending from one end of said cylinder engaging the operating arm of said valve, a piston in said cylinder having a coil spring connection with said plunger and normally biased by a coil spring to the retracted position of the plunger, and fluid pressure means connected to the water supply of said flush valve and to said operating cylinder on one side of said piston and valve means controlling the application of said fluid pressure to said piston.

2,461,314
COIN SLIDE
Vesta K. Davis and Emma T. Davidson, Winona, Minn.
Application October 28, 1946, Serial No. 706,256
10 Claims. (Cl. 194—97)



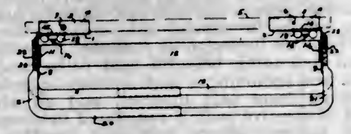
1. In a vending machine, the combination with a chute section, coin selector mechanism associated with said chute section adapted to allow proper coins to pass through the chute section and to arrest slugs therein, a movable blade member for clearing said chute section of a slug held therein, and spring means acting to normally maintain said blade member in inoperative position, of a reciprocating coin receiver having a coin slot and adapted to be manually operated inwardly to deliver a coin to said chute section, spring means acting to return the coin receiver to normal coin receiving position, and means controlled by said coin receiver acting automatically to actuate said blade member to clear said chute section in the return outward movement of the coin receiver to normal coin receiving position after an inward stroke of the same.

2,461,315
ILLUMINATED MIRROR
Richard De Virgilis, Detroit, Mich.
Application January 25, 1946, Serial No. 643,351
1 Claim. (Cl. 240—4.2)



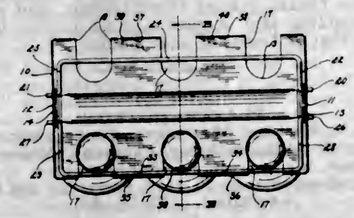
In an illuminated mirror, including a concave reflector, a source of light centrally located therein, an opaque mirror in front of the source of light, a translucent member framing the mirror and interposed between the plane of said mirror and the plane of marginal portion of the reflector for transmission of light sideways, said marginal portion being curved inwardly and silvered for reflection of light through the body of said translucent member in the direction facing said mirror.

2,461,316
WINDOW FIXTURE
John Di Lorenzo, Jeannette, Pa., assignor of three-tenths to Louis Di Lorenzo, Jeannette, Pa.
Application July 10, 1945, Serial No. 604,273
1 Claim. (Cl. 248—253)



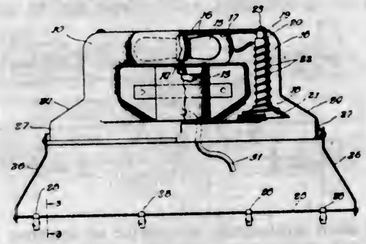
A window fixture of the class described comprising the combination of a flat oblong suspension plate provided with an elongated vertical slot and positioned vertically against the front of the top member of a window frame, a rearwardly extending seating flange carried at the upper end of said plate and seating on the top edge of said top member, a pair of teeth depending from the free rear edge of said seating flange and engaging the rear of said top member to connect said plate in position to the top member, a flat vertically adjustable supporting bracket positioned against the outer side edge of said plate and projecting forwardly edgewise from the latter, an attaching flange formed integral with said bracket and being disposed rearwardly of said plate, a bolt fixed in said attaching flange and projecting through said slot, a nut engaged on said bolt operable for securing said bracket in an adjusted position, and a pair of forwardly projecting vertically aligned connecting fingers stamped from said bracket and being disposed at the outer side of said bracket and adjacent to the latter in spaced horizontal parallel relation to each other, each of said fingers being adapted for connection with the end of a curtain rod.

2,461,317
BOTTLE CARRIER
Godfrey L. Dreher, Minneapolis, Minn.
Application May 31, 1946, Serial No. 673,310
5 Claims. (Cl. 224—45)



5. A bottle holder and carried comprising a relatively flat base member formed with a plurality of slots extending inwardly from the peripheral portion of said member, each of said slots being adapted to receive the narrow portion of a bottle neck, a handle member formed with rigid downwardly extending legs each of which is joined to said base member, U-shaped bar pivotally mounted at its opposite ends on one of said members and being operative to engage said base member adjacent the outer extremities of said slots to enclose the bottle necks therein, and detent means carried by said base member for locking said bar in engagement with said base member.

2,461,318
ELECTRIC CLOTHES DRIER
Arthur J. Folli, Chicago, Ill.
Application April 8, 1946, Serial No. 660,437
6 Claims. (Cl. 34—151)



1. An electric dryer of the class described comprising a housing having a chamber in its uppermost portion; a fan arranged horizontally within said chamber; a grille formed in said housing above said fan for the admission of air; an electric motor mounted within said housing below said fan chamber and operably connected to said fan; side air passageways on opposite sides of said fan chamber and communicating therewith; vertical air passages extending downwardly from said side air passageways; an inverted cup air space communicating with both of said vertical air passageways; air heating element arranged in each of said vertical passagways; and clothes supporting means arranged below said housing in spaced relation thereto in the path of air discharged from said housing.

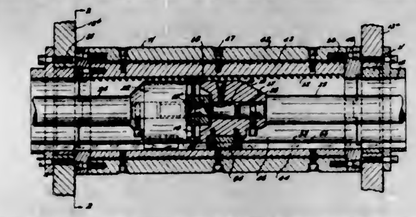
2,461,319
SOAP DABBER
Frank A. Fortino, Newark, N. J.
Application June 5, 1946, Serial No. 674,596
4 Claims. (Cl. 45—28)

1. A soap dabber to fit over a double kitchen faucet combination, comprising a circular loop fitting around one faucet pipe and having one terminal extending out to the other faucet, the other terminal substantially completing said loop and also extending for a short distance alongside the first mentioned terminal, means for locking the last mentioned terminal to the first mentioned one, a substantially semicircular loop on the first mentioned terminal, fitting over the other faucet pipe, a length projecting from the second loop terminating into a third loop having a plane perpendicular to the planes of the other loops and, after substantially completing said third loop, extending for a short distance alongside the other terminal of the same loop, means for locking both extended terminals of the latter loop, and a cake of soap mounted in the last named loop.

2,461,320
BROACHING APPARATUS AND METHOD
Lee B. Green, Lakewood, Ohio
Application December 11, 1943, Serial No. 513,850
17 Claims. (Cl. 90—10)

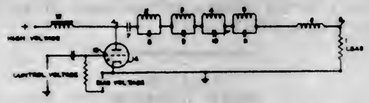
1. The method of broaching which comprises advancing a gear blank or the like through a hol-

low broach, machining certain portions of the blank during the advance movement and simultaneously using other portions of the blank for slidably supporting and centering the blank in the hollow broach during the advance movement,



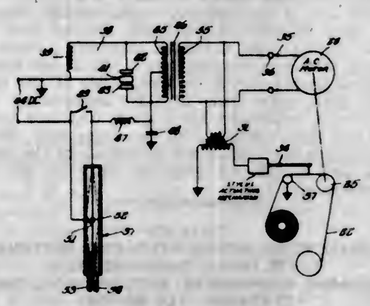
and then subjecting the blank to another such advance movement and machining said other portions and simultaneously using the previously machined portions of the blank for slidably supporting and centering the blank in the hollow broach during the second advance movement.

2,461,321
PRODUCTION OF ELECTRIC PULSES
Ernst A. Guillemin, Wellesley, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy
Application June 24, 1943, Serial No. 492,160
21 Claims. (Cl. 171—97)



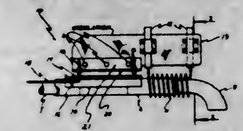
21. A circuit for producing abrupt pulses of electrical energy including a source of direct current electrical energy, a switching device, a load, and a reactive network, said network having an input series condenser and being derived from another network having also an input series condenser by reducing the magnitude of the capacitance of said condenser from its value in said other circuit, said other network having substantially the reactance characteristics of an open-circuited uniform transmission line.

2,461,322
RECORDING APPARATUS
Claude M. Hathaway, Denver, Colo.
Application September 13, 1945, Serial No. 616,107
4 Claims. (Cl. 346—33)



3. An apparatus for recording variable factors in an aircraft comprising a source of direct current, a synchronous inverter energized from said source for supplying substantially constant frequency alternating current, a synchronous motor energized by said inverter, a record chart apparatus connected to said motor, said apparatus having a metal roller adapted to receive a supply of record chart material having one surface coated with an electrically conductive material, a stylus for cooperation with said material and said roller, means for moving said stylus in response to a variable factor to be recorded, an electrical circuit extending between said roller and said stylus and including a high voltage transformer energized from said inverter, and an aircraft speed responsive switch connected between said direct current source and said inverter, said switch being arranged to close when a predetermined value of speed has been reached by said aircraft and to open whenever the speed of said aircraft drops to a predetermined value.

2,461,323
INDUCTION HEATER FOR USE WITH PIPE BENDING APPARATUS
Guenther H. Hille, Lake, Wis., assignor to Ladish Co., Cudahy, Wis., a corporation of Wisconsin
Application July 27, 1946, Serial No. 686,510
6 Claims. (Cl. 219—13)

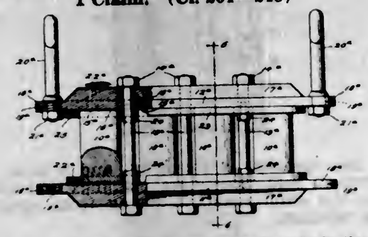


1. An induction heater for heating metal blanks supported for travel along a defined substantially horizontal path, comprising: an induction coil through which the blanks are adapted to pass to be heated thereby; a floating support for the induction coil for holding the same in predetermined position relative to the blanks passing therethrough, said support including a saddle adapted to engage over and ride directly on the blanks, said saddle being free to move up and down through variation in the blanks passing thereunder so as to automatically and continuously control the position of the coil relative to the blanks passing therethrough; and means for holding said support against motion in the direction of travel of said blanks.

2,461,324
PLASTIC BUTTON
Otto J. Hueister, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application June 20, 1945, Serial No. 600,459
6 Claims. (Cl. 24—95)

1. A button comprising a cap, said cap comprising a molded body, a hub portion, one end of the hub portion being embedded and anchored in said molded body, the major part of the hub portion protruding from one surface of said body centrally thereof, said body outwardly of the hub and within the peripheral edge thereof having a pair of circumferentially spaced and radially extending lugs projecting from said surface of the body adjacent the hub, and said lugs forming therebetween an orienting recess in alining the button with respect to a support to which the button is attached.

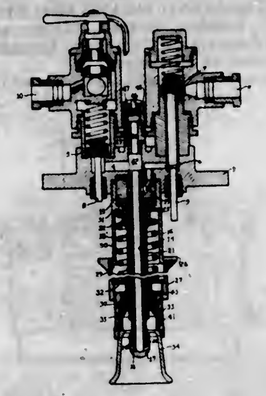
2,461,325
ELECTROLYTIC WATER PURIFIER
Theodore C. Jones, Louisville, Ky.
Application March 9, 1944, Serial No. 525,733
1 Claim. (Cl. 204—248)



An open-type self-cleaning galvanic boiler water correction device comprising an upper horizontal metallic bar having downwardly open sockets in its lower side and equidistantly spaced apart longitudinally thereof, said downwardly open sockets being of uniform depth and uniform diameter and each having a smooth end surface and a continuous smooth side wall; a lower horizontal metallic bar having upwardly open sockets in its upper side and alined with said downwardly open sockets, said upwardly open sockets having the same depth and diameter as said downwardly open sockets and also having smooth end surfaces and smooth continuous side walls; spaced metallic inserts having their upper ends seated in said downwardly open sockets and their lower ends seated in said upwardly open sockets, said inserts having smooth upper end surfaces water-tightly contacting with said smooth end surfaces of said downwardly open sockets and having smooth lower end surfaces water-tightly contacting with said smooth end surfaces of said upwardly open sockets, said inserts having smooth peripheral surfaces within said sockets and so related with said smooth side walls thereof as to water-tightly contact with said side walls during use, the coefficient of expansion of said inserts being greater than that of said bars to insure the last mentioned water-tight contact; and tie bolts spaced apart along said bars and rigidly holding said bars and elements in assembled relation; said bars being galvanically cooperative with said inserts to cause erosive decomposition of the latter in use; the aforesaid water-tight contact between the aforesaid smooth peripheral and end surfaces of said inserts and the smooth socket side walls and end surfaces serving to prevent the electrolytic boiler water from erosively decomposing the socket-contained ends of said inserts, whereby said inserts cannot become erosively freed from said sockets during the life of the device.

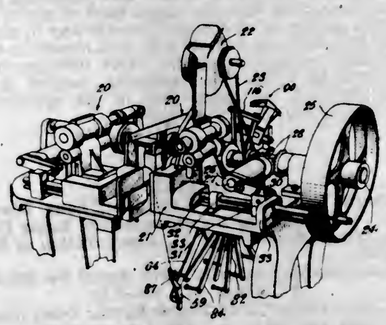
2,461,326
FILLER VALVE FOR CONTAINER FILLING MACHINES
James Kantor and Edward Marevitz, Chicago, Ill., assignors to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application June 25, 1945, Serial No. 601,500
10 Claims. (Cl. 226—115)

1. In a bottle filling machine, the combination with a relatively stationary filling tube adapted to be projected into the container to be filled, when the container is moved into filling position, and a valve for controlling the flow of liquid through said tube, means for admitting a counter pressure fluid into the container, prior to the opening of said liquid valve, said tube at its top



communicating with the atmosphere, means operated by the counter pressure admitted to the container for closing said communication, said closing means being operable to open said communication when the counter pressure in said filling tube and container is released.

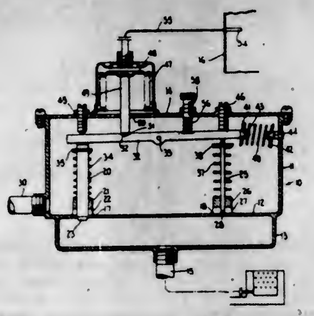
2,461,327
STRING CLOSURE AFFIXING MACHINE
Stanley Kilinski, Brooklyn, N. Y., assignor to Baltimore Paper Company, Kansas City, Mo., a corporation of Missouri
Application October 12, 1944, Serial No. 558,443
10 Claims. (Cl. 93—1)



1. In a machine for attaching a string to a sheet article, looper apparatus for holding an end of the string, fastening means for securing the end of the string to the article at a predetermined location, a threader that moves toward the looper to deliver the end of the string and then away from the looper to draw out a length of string, said threader comprising a radially-extending portion and a head that moves along a curved path and that is offset from the radially-extending portion in a direction at an angle to the plane of said curved path, string-abutment means

on the inside of the curved path of the threader head and in position to contact the string as said string moves inward as a chord of the curved path, and a shear for cutting the string.

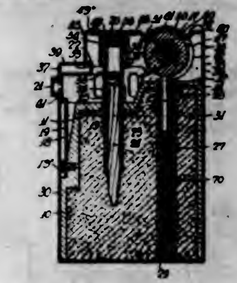
2,461,328
CONTROLLING MEANS AND SYSTEM
Walter S. Landon, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application December 30, 1943, Serial No. 516,173
5 Claims. (Cl. 277—21)



1. In a seatless metering valve, a wall having a cylindrical outlet passageway therethrough, a valve member cooperable with said passageway and having passageway-closing and stem portions of a cross-section to pass completely through said passageway, said stem portion terminating at one end in said passageway-closing portion and at its other end in an operating portion, said passageway-closing portion having an unbroken continuous cylindrical surface of a diameter to fit slidably and tightly in said passageway to close off flow therethrough, said passageway-closing portion terminating at its end opposite said stem portion in a conical flow metering portion cooperable with the upper edge of the cylindrical surface of said outlet passageway to meter flow through said passageway, and means to stop opening movement of said valve member in a position in which said metering portion is in the plane of the upper edge of the cylindrical surface of said outlet passageway.

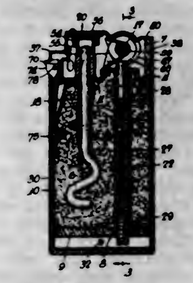
2,461,329
LIGHTER
Richard F. Landwehr, Laurelton, Long Island, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application December 19, 1945, Serial No. 635,847
4 Claims. (Cl. 67—7.1)

2. In a lighter, a fuel tank having front, back, side and top walls, a wick tube extending upwardly through said top wall, arms extending upwardly from the top of the side walls and having openings therein in transverse registration at a level above said top wall to define the axis of rotation for the snuffer cap, a supplemental casing having side and end walls engaged about and telescoped over the upper end of the fuel tank and extending above the top wall thereof and overlying said arms, the upper edges of the side walls of the supplemental casing having a portion thereof curved concavely to a radius about said axis to receive the snuffer cap and a snuffer cap having side walls whose rear portions are curved concavely to the same radius as aforementioned for seating in said concavely curved portion formed in the supplemental casing, said side walls of the cap having openings in registration



with the openings in the arms, and a pivot pin received in said registering openings and about which the snuffer cap is swung from open to closed position.

2,461,330
LIGHTER
Richard F. Landwehr, Laurelton, Long Island, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application February 9, 1946, Serial No. 646,549
7 Claims. (Cl. 67—7.1)

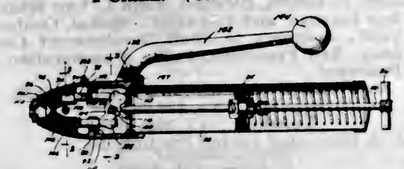


2. In a lighter, the combination of a prismatic fuel tank; a casing disposed on top thereof and having a rear bridge-piece and a somewhat lower front bridge-piece, the top edges of the casing side walls adjacent said front bridge-piece being substantially level therewith and the top edges thereof adjacent said rear bridge-piece being arcuate; a cover, the side walls of which have radially-curved rear portions and front portions defined by parallel edges and terminating in a front wall, said radially-curved rear portions being received in said arcuately formed top edges of the casing side walls and with the lower edges of said front portions of the cover side walls in abutting relation to the said substantially level top edges of the casing side walls, and with said front wall of the cover substantially at the rear edge of said front bridge-piece; a pair of parallel ears extending upwardly from the sides of the fuel tank at said arcuate casing edges for pivoting the cover about an axis disposed centrally of said arcuate portions and of said radially-curved rear portions of the cover; said front portion of the cover being closed by a flat top substantially at the level of said rear bridge-piece, and said radially-curved rear portions thereof being closed at the top and rear by a part cylindrical surface.

2,461,331
PROCESS FOR DEHYDROGENATION OF HYDROCARBONS IN THE PRESENCE OF A GASEOUS DILUENT
Charles J. G. Leesemann, Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J., a corporation of Delaware
Application June 10, 1946, Serial No. 675,809
10 Claims. (Cl. 260—680)

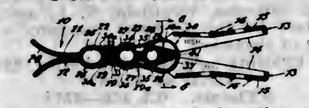
7. A process for catalytically dehydrogenating a normal mono-olefin having more than 3 carbon atoms in the presence of steam in which a catalyst unsusceptible to deactivation by steam is employed which comprises separately preheating a stream of said mono-olefins to a temperature below active dehydrogenation temperatures, preheating a stream of steam to a temperature above active dehydrogenation temperature, said steam being in excess of said olefins, charging the stream of preheated steam to the inlet of a catalyst zone containing a bed including an active dehydrogenation catalyst, dividing said preheated mono-olefins into a plurality of streams, charging the plurality of mono-olefin streams into the catalyst zone at selected points between the inlet and outlet of said zone, admixing the mono-olefin streams with steam at said selected points in said catalyst zone, maintaining a progressively decreasing ratio of steam to mono-olefins from the inlet to the outlet of said catalyst zone, and withdrawing from the catalyst zone an effluent comprising diolefins.

2,461,332
LUBRICANT COMPRESSOR
John T. Leonard, Evanston, Ill.
Application December 1, 1944, Serial No. 566,169
1 Claim. (Cl. 103—183)



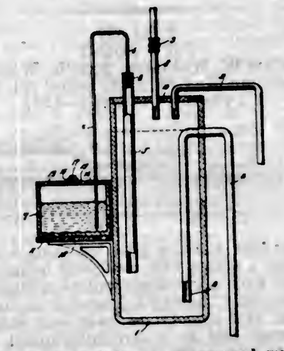
A portable lubricant compressor comprising, a body having a passageway for the reception of lubricant and having two cylinders therein communicating with the passageway, an outlet check valve for each of the cylinders, plungers reciprocable in said cylinders, each plunger having a sidewardly open notch therein, and means for reciprocating the plungers to discharge lubricant from the cylinders past the check valves, said means comprising a shaft mounted for oscillation in the body, said shaft having a non-circular end portion projecting from the body, a handle having a generally semicircular yoke, one arm of the yoke having a complementally shaped opening receiving the non-circular portion of the shaft, a shouldered stud threaded in the body in axial alignment with the shaft and forming a bearing for the other arm of the yoke, and an operating lever non-rotatably secured to the shaft and having rounded ends respectively bearing in the notches in the plungers.

2,461,333
CLOTHESPIN
Mario Maccaferri, Rye, N. Y.
Application May 28, 1947, Serial No. 751,028
5 Claims. (Cl. 24—137)



1. In a clothes pin, the combination of a pair of hinged pivoted jaws, each jaw having a cylindrically shaped outward bulge, and a U shaped spring embracing the pivoted ends of the jaws and having each leg provided with an outward curved portion extending over and hugging said bulge, and having an inward semi-circular or ogee curve between said outwardly curved portion and the common portion forming part of each leg.

2,461,334
LIQUID TREATING UNIT
Ralph M. Major, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 1, 1944, Serial No. 566,087
7 Claims. (Cl. 210—17)



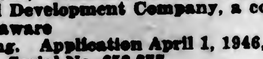
1. A device for adding a measured quantity of a second liquid to a first liquid comprising a receptacle adapted to receive said first liquid, an inlet conduit for flow of said first liquid into said receptacle, a siphon tube for intermittently emptying said receptacle, a reservoir for a second liquid open to the atmosphere, a conduit extending into said receptacle well below the top of said siphon tube and terminating above the inlet of said siphon tube in open communication with said receptacle, a capillary tube connected to one end of said conduit and having its opposite end submerged in liquid in said reservoir.

2,461,235
ORGANOMETALLIC COMPOUND
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 16, 1938, Serial No. 246,073. Divided and this application October 18, 1944, Serial No. 559,254
9 Claims. (Cl. 260—606)

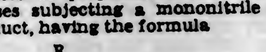
1. An oil miscible condensation product having an alkyl substituted aryl calcium oxide in which the oxygen of the calcium oxide group is directly attached to the aryl nucleus and in which at least two alkylated aryl nuclei are interconnected by at least one atom of an element of the sulfur family, the alkyl radicals each containing at least four carbon atoms.

2,461,236
MANUFACTURE OF GLUTARIC ACID
Louis A. Mikeska, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application April 1, 1946, Serial No. 658,877
9 Claims. (Cl. 260—537)

1. The process of preparing a glutaric acid which comprises subjecting a mononitrile condensation product, having the formula

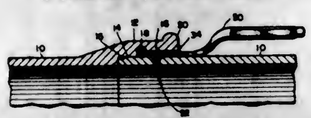


in which R is a carbonyl radical selected from the group consisting of



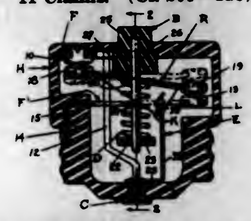
R^1 is one of the group consisting of hydrogen and an aliphatic group and R^2 is an alkyl group, to heat in the presence of a hydrolyzing agent, thereby hydrolyzing the nitrile radical and splitting off the carbonyl radical and forming a glutaric acid.

2,461,337
PIPE JOINT
Carl W. Miskimen, Seattle, Wash.
Application May 24, 1946, Serial No. 671,959
2 Claims. (Cl. 285—115)



1. In a pipe joint, a pipe bell and a pipe provided with a spigot end, said bell being provided internally with a circumferential cylindrical seat of substantially the same diameter as that of the outside of said spigot end, said seat terminating at its inner end in a circumferential shoulder adapted to abut with the end of said spigot, said bell being provided with an enlarged counterbore extending from the outer end inward to terminate at the outermost end of said cylindrical seat in a circumferential shoulder, the inner end of said counterbore being provided with a circumferential groove, a malleable metallic cast-in-place and outwardly swaged hollow cylindrical gasket positioned in said enlarged counterbore and said circumferential groove, said hollow cylindrical gasket being equal in internal diameter to and extending in axial alignment from said cylindrical seat outward substantially to the outer end of said bell, said spigot end being provided with a circumferential groove disposed at a point intermediate the length of the bell counterbore and disposed therewithin, said gasket being extruded into and filling the groove of said bell and closely engaging the outer walls of said bell on either side of said groove.

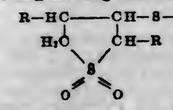
2,461,338
FUSE-PLUG TYPE CIRCUIT BREAKER
Swift Miller, Milwaukee, Wis.; Edith Mayhew Miller, executrix of said Swift Miller, deceased, assignor by decree of distribution to Edith Mayhew Miller
Application September 7, 1944, Serial No. 553,037
11 Claims. (Cl. 200—116)



5. A fuse type circuit breaker comprising a casing, screw shell and center contacts carried by the casing, oppositely facing fixed contacts supported within the casing and spaced from each other, both transversely and axially, said fixed contacts being connected to the screw shell and center contacts respectively, a rockable bridging contact arm disposed between the fixed contacts and having contact portions cooperable therewith, a spring cooperable with the arm and providing a source of power to move the same, a push button also cooperable with the arm, a bi-metallic element having a hook-like formation cooperable with the arm and co-functioning with the spring to hold the circuit breaker closed under normal conditions and also serving as a fulcrum for the arm to provide for rocking of the arm to engage said contacts when the circuit breaker is reset, the spring also acting, when the bi-metallic element warps, and disengages its hook-like formation from the arm first to rock one of the contact portions of the bridging contact arm about its fixed contact and then press an intermediate portion of the bridging contact arm against the inner end of the push button thereby holding both contact portions of the bridging contact arm spaced from their fixed contacts.

2,461,339
UNSATURATED THIOETHERS OF CYCLIC SULFONES
Rupert C. Morris, Berkeley, John L. Van Winkle, San Lorenzo, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 7, 1946, Serial No. 639,694
3 Claims. (Cl. 260—329)

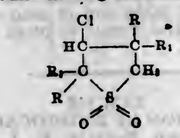
3. A compound having the formula



wherein R_1 is a beta, gamma-alkenyl radical and the R's are alkyl radicals.

2,461,340
POLYALKYLATED CYCLIC SULFONE HALOHYDRINS
Rupert C. Morris, Berkeley, and John L. Van Winkle, San Lorenzo, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 22, 1946, Serial No. 642,742
3 Claims. (Cl. 260—329)

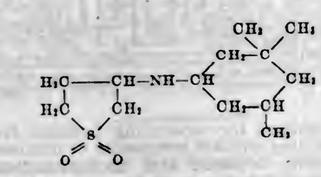
3. A compound having the structural formula



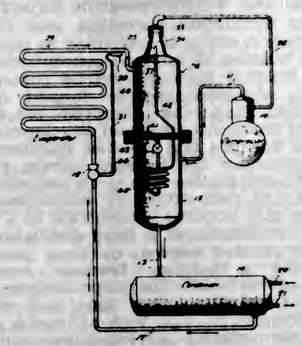
wherein the R's are alkyl radicals, one of the R_1's is a hydroxy radical and the other of the R_1's is a hydrogen atom.

2,461,341
SECONDARY SULFOLANYL AMINES
Rupert C. Morris, Berkeley, and Alva V. Snider, Richmond, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application January 26, 1946, Serial No. 643,835
3 Claims. (Cl. 260—329)

1. The compound having the structural formula

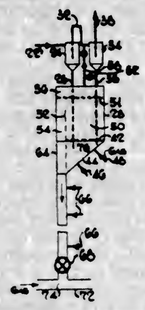


2,461,342
REMOVAL OF LIQUID REFRIGERANT FROM THE SUPPLY LINE TO A COMPRESSOR
Joseph W. Obreiter, Jr., Glen Ridge, N. J.
Application September 17, 1947, Serial No. 774,643
10 Claims. (Cl. 62—115)



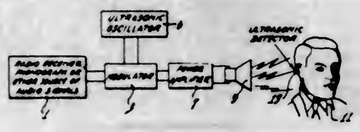
1. In the operation of a refrigeration system in which compressed refrigerant is condensed, evaporated to produce refrigeration, and returned to a compressor, the improvement that comprises withdrawing any remaining liquid refrigerant from the evaporator refrigerant at a region along the course of circulation of the evaporated refrigerant through the system, transferring the liquid to another region of higher temperature, vaporizing said withdrawn liquid by the application of heat at the region of higher temperature, and returning the resulting vaporized refrigerant to the course of circulation of the evaporated refrigerant along a course that by-passes the region at which the liquid was withdrawn and at a region downstream from that at which said liquid was withdrawn at a region beyond that at which the liquid was withdrawn from the evaporated refrigerant and ahead of the intake of the compressor.

2,461,343
CONTACTING GASEOUS FLUIDS AND SOLID PARTICLES
Henry J. Ogorzaly, Summit, N. J., and Alexis Voorhies, Jr., Baton Rouge, La., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1944, Serial No. 570,741
8 Claims. (Cl. 196—52)



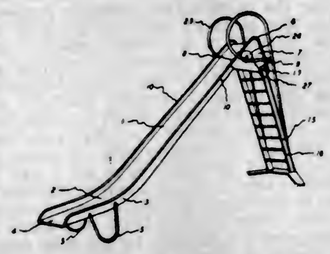
1. In a process wherein solid contact particles are maintained as a dense dry fluidized bed in a contacting zone by upward passage therethrough of gaseous fluid and the spent or fouled contact particles are withdrawn as a dense fluidized stream from the lower portion of the dense fluidized bed while a gaseous stream is withdrawn from the top of the contacting zone, the improvement of first passing the withdrawn dense fluidized particles downwardly through a first stripping zone beneath said contacting zone, passing a primary stripping gas upwardly through the first stripping zone into the contacting zone whereby the particles are partially stripped, then passing the partially stripped particles into the bottom portion of a second separate stripping zone, introducing a secondary stripping gas into the bottom portion of said second stripping zone, mixing the partially stripped particles with the secondary gas to form a dilute suspension in said bottom portion, passing the suspension upwardly as a plurality of streams into an upper portion of the second stripping zone at a gas velocity adapted to form a dense fluidized mixture having a level in the upper portion of said second stripping zone while purging them and while moving them generally upwardly in the said upper portion, removing stripped contact particles from below the level of the dense fluidized mixture in said second stripping zone and removing secondary stripping gas and stripped material from above the fluidized level of said second stripping zone.

2,461,344
SIGNAL TRANSMISSION AND RECEIVING APPARATUS
Harry F. Olson, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1945, Serial No. 575,008
6 Claims. (Cl. 179—1)



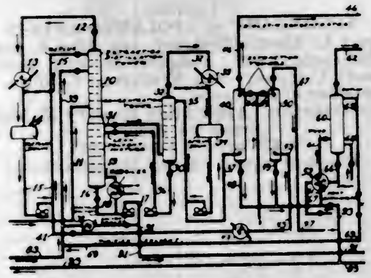
1. A system for producing and transmitting in an unconfined medium ultrasonic compressional waves modulated at audio frequencies and for detecting the audio frequency modulation components of said waves without the use of a power source, said system comprising, in combination, a source of audio frequency signals, an ultrasonic oscillator, means associated with said source for modulating the output of said oscillator in accordance with said audio frequency signals to provide a modulated ultrasonic signal, a signal translating device adapted to generate compressional waves and arranged to generate said waves in the unconfined ambient, means for applying said modulated ultrasonic signal to said translating device whereby said device will generate in the unconfined ambient ultrasonic compressional waves modulated at said audio frequencies, and a receiver exposed to said ambient in spaced relation to said translating device for receiving said modulated compressional waves, said receiver being adapted to be powered solely by the modulated compressional waves received thereby and to detect said audio frequency modulation components when so powered, said receiver being further adapted to be worn in the ear of a listener and comprising a generator and a motor, said generator including a vibratory member exposed to the ambient, and said motor including a vibratory member arranged to face the ear canal when said receiver is worn in the ear, the output of said generator being connected to the input of said motor.

2,461,345
PLAYGROUND SLIDE
Gordon W. Packer, Litchfield, Mich., assignor to Litchfield Manufacturing Company, Litchfield, Mich., a corporation of Michigan
Application December 3, 1945, Serial No. 632,313
7 Claims. (Cl. 272—56.5)



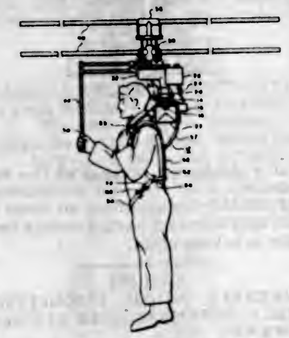
3. A play slide assembly comprising a chute having a load supporting portion and side guiding rails having upper edges, a gusset plate at each side of one end of said chute, said gusset plates having edges in alignment with said guiding rails and extending in one direction, said plates having edges extending in parallel relation in another direction at an angle substantially less than 180° from said first-named direction, a step supported by said gusset plates, a riser for said step supported by said gusset plates and intersecting directly said load supporting portion of said chute, said step and riser forming a safety pocket for users of the slide to stand, in a position below the top of said chute, hand rails secured to said upper edges of said guiding rail, steps to support said gusset plate end of said chute in elevated position, and means to pivot said steps to said gusset plate.

2,461,346
SEPARATION OF HYDROCARBONS
John A. Patterson, Beverly, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1944, Serial No. 570,193
1 Claim. (Cl. 260—681.5)



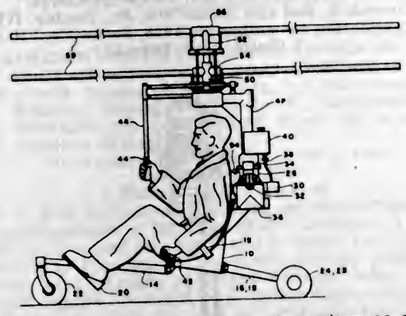
In a process for separating isoprene from a closely boiling mixture containing C_5 monoolefins, C_5 paraffins, isoprene and cyclopentadiene by fractional distillation in the presence of an acetone solvent in an extractive distillation zone in which the relatively saturated paraffins and monoolefins are removed as distillate, the relatively less saturated isoprene and cyclopentadiene are removed as an intermediate fraction containing solvent, the remaining solvent is removed as a bottoms fraction containing a major proportion of acetone and dicyclopentadiene formed in the extractive distillation operation, and the said intermediate fraction is redistilled to separate a distillate fraction of isoprene concentrate and a residual fraction high in acetone content and containing dicyclopentadiene formed in said redistillation step, the improved process for separating cyclopentadiene and dicyclopentadiene from said bottoms and residual fractions comprising returning the residual solvent fraction from said redistillation step to an isoprene stripping stage of said extractive distillation zone, subjecting said isoprene concentrate to a second fractional distillation in a third distillation zone to recover purified isoprene distillate therefrom, withdrawing a bottoms fraction containing cyclopentadiene and dicyclopentadiene from the said third distillation zone and combining this bottoms fraction with at least a portion of the said bottoms solvent-dicyclopentadiene fraction removed from said first extractive distillation zone and contacting these combined bottoms fractions with sufficient water to cause separation of a dilute aqueous acetone phase and a hydrocarbon phase containing said cyclopentadiene and dicyclopentadiene polymer.

2,461,347
HELICOPTER ADAPTED TO BE ATTACHED TO A PILOT
Horace T. Pentecost, Renton, near Seattle, Wash.
Application October 17, 1945, Serial No. 622,726
3 Claims. (Cl. 244—4)



1. In a helicopter, a pair of juxtaposed posts to lie along the back of a pilot and having hooks thereon to extend over his shoulders, a lower arcuate crossbar on said posts, a back-pad carried by said posts below the hooks thereon, straps extending between the top and bottom edges of said back-pad, each said strap being slidably associated with the crossbar and immovably coupled with a hook, coaxial lifting rotors having changeable-pitch blades carried by and above said posts in fixed relationship thereto, an engine for driving said rotors, and means for varying the pitch of said blades, including means positioned in front of and conveniently operable by the pilot.

2,461,348
HELICOPTER OF THE COAXIAL WING TYPE
Horace T. Pentecost, Renton, near Seattle, Wash.
Application October 17, 1945, Serial No. 622,727
4 Claims. (Cl. 244—17.23)



1. In a helicopter of the counter-rotary co-axial wing type, an internal combustion engine having substantially opposed cylinders and an upright drive shaft, a frame attached to said engine and adapted to carry variable loads to one side thereof, a structural column solely supported by and rising above said engine and providing support for the drive shaft of said engine, a laterally disposed structural member rigid with said column and overlying said load-carrying frame, an intermediate shaft supported by said laterally disposed structural member and including an over-running coupling between its ends, bevel gearing between said engine drive shaft and said intermediate shaft, and counter-rotating bevel gearing between said intermediate shaft and said rotary wings.

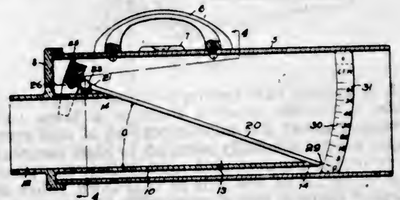
2,461,349
COMPOUNDS MODIFIED BY ABIETIC NITRILES
Anderson W. Ralston and Hoyt M. Corley, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 29, 1943, Serial No. 508,254
11 Claims. (Cl. 260—27)

4. A composition selected from the class consisting of butadiene polymers, butadiene-acrylonitrile copolymers, isoprene polymers, chloroprene polymers, and polyisobutylene, which composition contains a nitrile produced by the reaction of abietic acid and ammonia at elevated temperature and serving as a plasticizer in said composition.

2,461,350
ELECTRODEPOSITION OF LEAD-ANTIMONY-TIN ALLOYS
Ralph A. Schaefer, East Cleveland, and James B. Mohler, Euclid, Ohio, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 6, 1943, Serial No. 509,278
2 Claims. (Cl. 204—43)

1. A method of electroplating an alloy of approximately 12.2% antimony, 1%–2% tin and the balance lead which consists in electrodepositing the alloy from an aqueous bath consisting essentially of fluoboric acid (42%) 189 grams per liter of bath, basic lead carbonate 135 grams per liter, antimony trifluoride 26.4 grams per liter, stannous sulfate 32.6 grams per liter, gelatin 0.5 gram per liter, the current density being not less than 20 amperes per square foot.

2,461,351
FLOWMETER
Leslie Silverman, Westwood, Mass.
Application November 21, 1945, Serial No. 630,027
6 Claims. (Cl. 73—228)



1. A portable metering device for flow of air and other fluents, comprising a transparent tubular housing having a carrying handle, said housing open at one end and having a closure cap at the other end, a flow tube mounted on and extending through the cap and lengthwise in the housing in parallel axial relation and laterally spaced from the housing wall, the tube terminating in the housing along an elongated bevel in a plane acutely oblique to the axis and defining a correspondingly elongate flow outlet and marginal seat about the latter, a plate-like vane shaped and proportioned for reception on the seat in closing relation to the outlet, transverse pivotal supporting means for the vane on

the tube in or paralleling the plane of the bevel, and counterbalancing means for the vane between and out of contact with the tube and the housing.

2,461,352

WATER-IN-OIL EMULSION PAINTS CONTAINING A LEAFING PIGMENT

Vaughn R. Smith, El Cerrito, and Don E. Stevens, Fairfax, Calif., assignors to California Research Corporation, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 6, 1946, Serial No. 708,179
9 Claims. (Cl. 106—269)

1. A fluid leafing pigment paint consisting of by weight 2–40% leafing pigment and the remainder consisting essentially of a paint vehicle, said paint vehicle being an emulsion with water as the internal phase and an organic, water-insoluble, thermoplastic paint base as the external phase.

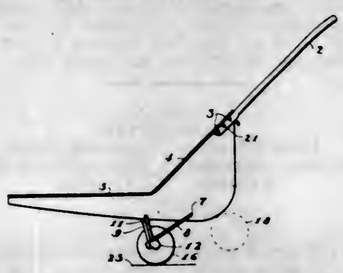
9. A fluid leafing pigment paint consisting of by weight 2–40% aluminum leafing pigment and the remainder consisting essentially of an emulsion having water as its internal phase and a solution of asphalt in a hydrocarbon solvent as its external phase, and, as a leafing promoter, .01–10% by weight stearic acid and, as an emulsifier, .01–10% by weight sodium stearate, said paint being capable of being stored without substantial loss in leafing properties.

2,461,353

GARDEN CART

William Steiser and Madelon J. Steiser, Summit, N. J.

Application February 10, 1947, Serial No. 727,628
6 Claims. (Cl. 280—52)



4. A garden cart having a scoop shaped receptacle, a handle secured thereto, a lawn roller arranged under the middle portion of said receptacle, means pivotally secured to said receptacle to revolubly support said lawn roller, the pivotal axis being aft of the axis of said lawn roller and parallel thereto, and a removable frame pivotally secured to said receptacle at the rearward portion thereof to increase the carrying capacity of said receptacle.

2,461,354

FASTENING MEANS FOR DIRECT LIFT WASTE FITTINGS OR THE LIKE

Carl R. Stone, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois

Application September 13, 1945, Serial No. 616,058
6 Claims. (Cl. 4—191)

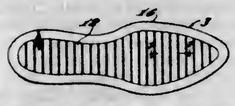
4. The combination of an escutcheon suitable for mounting over a substantially key-hole aperture on a lavatory or the like, a base plate spanning the aperture, the escutcheon being formed to receive the said base plate, the said base plate having means for attachment to a fixture or the like and having thread means on the outer periphery of a thickened portion of the base plate for engagement with the said escutcheon, and a clamp bar suitable for spanning an inner end portion of the aperture and having means for attachment to the said base plate.

2,461,355

TRANSVERSELY RIGID, LONGITUDINALLY FLEXIBLE, INTERNAL SOLE ELEMENT FOR FOOTWEAR

Gilbert Supple, Waban, Mass.

Application May 27, 1946, Serial No. 672,346
8 Claims. (Cl. 36—22)



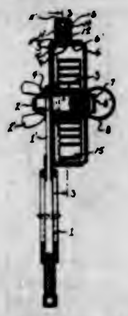
1. A full length insole for use in footwear, said insole comprising a series of transversely rigid ribs and a marginal attaching strip of flexible material, said attaching strip comprising a portion which fits into and is secured in grooves in the ends of the several ribs, the attaching strip thereby connecting the ribs and extending uninterruptedly all of the way around the insole, including its heel and toe ends.

2,461,356

AUTOMATIC FISH POLE HOLDER

Joseph E. Sus and Anton Sus, Jr., Racine, Wis.

Application December 30, 1946, Serial No. 719,170
1 Claim. (Cl. 248—42)



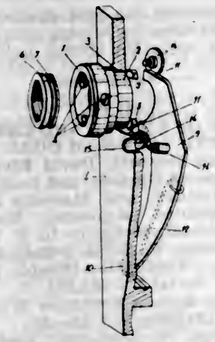
A fish rod holder comprising a stationary flanged circular shell, an inner flanged shell rotatably mounted upon the flange of the stationary shell, a slot formed in the flange of the inner shell having offset ends, a fixed hub extending from the stationary shell, a coil spring having ends secured to the fixed hub and flange of the inner shell, a radially disposed sleeve extending from the outer shell flange, a spring controlled reciprocative plunger mounted in the sleeve for frictionally engaging one of the offset ends of the spring controlled shell slot, whereby upon a slight back movement of the spring controlled outer shell, the spring controlled plunger is released from its frictional engagement with the offset slot end, and a stop-pin carried by the outer shell extending into the inner shell slot.

2,461,357

CAMERA OBJECTIVE MOUNTING

Jacques Jean Broido, Joinville-le-Pont, and Jean Weismbrodt, Paris, France

Application December 4, 1945, Serial No. 632,704
In France December 6, 1944
2 Claims. (Cl. 88—57)



1. In a camera, a casing, an objective mounting having a shoulder and a cylindrical rear barrel adapted to engage a centering hole in said casing, said cylindrical barrel being cut out at its rear end to provide two diametrically opposed cam-shaped hooks and a movable bolt pivoted to said casing and having projections adapted to engage said cam-shaped hooks for determining the angular position of said mounting and holding and tightening the same in said casing.

2,461,358

DIOLEFIN POLYMERIZATION IN THE PRESENCE OF AMMONIUM SOAP EMULSIFIER

Byron M. Vanderbilt, Westfield, N. J., and Frances Bascom, Staten Island, N. Y., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 1, 1946, Serial No. 673,896
6 Claims. (Cl. 260—84.5)

1. The process of producing aqueous emulsion polymerizates of mixtures of a butadiene-1,3 hydrocarbon and an acrylic nitrile which comprises using as the emulsifying agent a minor proportion of a mixture of a soap-forming fatty acid and from 5 to about 75% molar excess of ammonia over that required to react with the fatty acid.

2,461,359

INHIBITING ACIDIC CORROSION IN WELLS

Prentiss S. Viles and Elza Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application January 26, 1946, Serial No. 643,758
6 Claims. (Cl. 252—8.55)

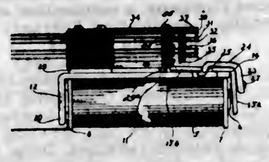
1. A method for reducing the corrosiveness to corrodible ferrous metal of a corrosive fluid including moisture, petroleum hydrocarbons and a corrosion-producing amount of carbon dioxide which comprises introducing into said fluid a corrosion inhibiting amount of hydrogen sulfide free from other corrosion preventing agents.

2,461,360

RELAY

Andrew W. Vincent, Rochester, N. Y., assignor to Stromberg-Carlson Company, Rochester, N. Y., a corporation of New York

Application October 16, 1943, Serial No. 506,606
5 Claims. (Cl. 175—345)



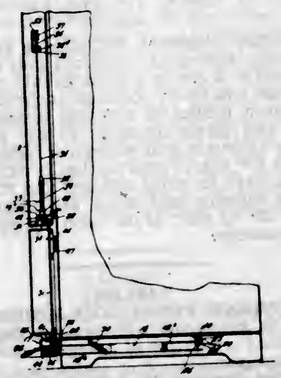
1. In a relay having a core provided with a coil, a frame associated with said core and having a portion adjacent one end of said core, said portion constituting a line bearing, said frame having a notch therein which interrupts said line bearing, an angular armature having an inner corner and having a struck-out tongue received in said notch and provided with a corner extending in substantial registry with the line bearing of said frame, the inner corner of said armature engaging said line bearing whereby the armature can rock on said frame with respect to said core, and a spring latch having a lip acting on the corner of said tongue in a direction to force the inner corner of the armature against the line bearing of the frame.

2,461,361

REFRIGERATOR LATCH

Hugh Wallace, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application August 8, 1945, Serial No. 609,567
5 Claims. (Cl. 292—255)



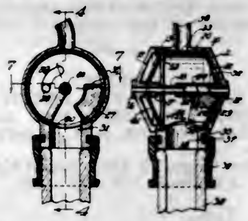
1. Latch mechanism for a hinged door of a cabinet including a latch bolt secured to said door, a treadle cushioned on said cabinet and having a tread traversing substantially the entire front of said cabinet below said door, and means yieldably connecting said treadle to said latch bolt, said means including a first vertical

element yieldably connected to said treadle, a second vertical element connected to said first vertical element and passing upwardly through said door on the hinged side thereof and a horizontal element connected at one end to said second vertical element and at its opposite end to said latch bolt.

2,461,362
PREPARATION OF 2-3 METHYL BUTADIENE 1-3
David W. Young, Roselle, and Charles E. Britton, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 9, 1945, Serial No. 577,138
4 Claims. (Cl. 260—681)

3. A method for the preparation of a conjugated diolefin comprising contacting an aliphatic glycol in the liquid phase at a temperature between room temperature and 75° C. in a reaction zone with a catalyst selected from the group consisting of: $AlBr_3$, AlOBr, $AlBr_3.AlOBr$, $(AlBr_3)_4.AlOBr$, $(AlBr_2Cl)_4.AlOBr$, $(Al_2Br_5Cl)_8.AlOBr$, $AlBr_3$-hydrocarbon complexes, BBr_3, $BBr_3.BOBr$, $TiBr_4$, $TiOBr_2$, and $TiBr_3Cl$, and distilling the conjugated diolefin from the reaction zone.

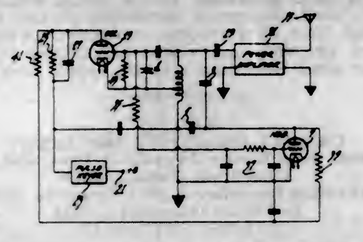
2,461,363
DISPENSER WITH MEASURING CHAMBER OF ADJUSTABLY VARIABLE CAPACITY
William P. Zommer, Lake Zurich, Ill.
Application December 11, 1945, Serial No. 634,206
2 Claims. (Cl. 222—362)



2. A liquid dispenser, including a casing having ingress and egress openings and adapted to be secured to a bottle, a drum in said casing having ingress and egress openings and movable relative thereto, means for bringing respectively the ingress and egress openings of the casing and drum in alternate and successive registry, a disk mounted for axial reciprocation in said drum to minutely vary its cubic content and the amount of liquid entering said drum, and means for admitting air to said drum upon registry of said egress openings.

2,461,364
ELECTRONIC FREQUENCY MODULATOR
Amedeo D. Zappacosta, Havertown, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1946, Serial No. 644,526
7 Claims. (Cl. 332—19)

7. The combination comprising an oscillation generator including a thermionic tube and a tuned circuit, series connected reactances for tuning said circuit connected across said tuned circuit, a second thermionic tube having its anode-cathode path effectively in parallel with one of said reactances, the impedance of said anode-cathode path being determined by the grid voltage applied to said second tube, and a direct-current conducting path connecting the grid electrodes of said first and second tubes for biasing said second tube in response to operation of the oscillation generator.

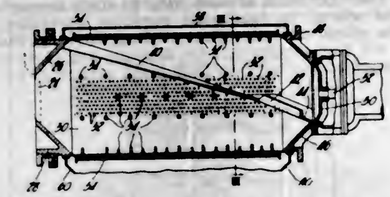


2,461,365
PRODUCTION OF SHAPED AND CARBONIZED ARTICLES FROM COAL
John Godolphin Bennett, David Blythe Foster, Charles Desmond Greaves, and George Cordery Phillpotts, London, and Marcello Pirani and William Julianus Kramers, Kingston-on-Thames, England, assignors to C. D. Patents Limited, London, England, a British company
No Drawing. Application October 17, 1945, Serial No. 622,934
In Great Britain November 2, 1944
8 Claims. (Cl. 18—55)

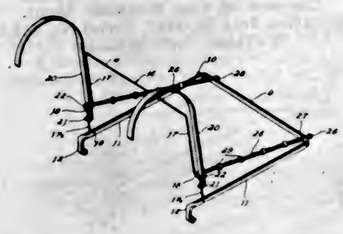
1. The process of producing useful shaped articles which comprises preparing an intimate mixture of finely comminuted material composed at least predominantly of coal which contains volatiles in the proportion of about 13 to 30% on a dry ash-free basis, moulding from the resultant mixture an article of the desired shape under a pressure of the order of at least two tons per square inch, at least sufficient to enable the shaped article to be transferred undamaged from the moulding machine to a furnace, releasing the pressure, producing test pieces from said mixture, firing the test pieces in a non-oxidising atmosphere to a temperature of at least 550° C. and controlling the rate of firing in such manner as to produce a fired test piece free from cracks and free from a cellular structure visible to the naked eye, thereafter firing the moulded article under the conditions and at the rate at which the last-named test piece was fired to produce an article having the properties of the last-named fired test piece and cooling the article in a non-oxidising atmosphere.

2,461,366
ROTARY SCREENING DRUM FOR NAIL CLEANING APPARATUS
Bruce N. Bietso, East Cleveland, and William Thompson, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application March 28, 1944, Serial No. 528,471
5 Claims. (Cl. 209—297)

1. Nail cleaning apparatus of the character described, including a screening drum consisting of an annular shell having spaced foraminous areas separated by solid imperforate areas, a spiral fin crossing said solid and foraminous areas and projecting inwardly, a plurality of inwardly extending pegs arranged in separate rows, some of the rows being in the imperforate areas and others being in the foraminous areas, the pegs in the foraminous areas being staggered with relation to those in the imperforate areas, said pegs being adapted to engage masses of nails being handled and thus to limit the sliding thereof.



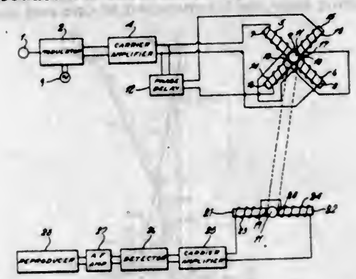
2,461,367
COLLAPSIBLE OR FOLDING INFANT'S AUTO SEAT
Theodore H. Bonk, Tampa, Fla.
Application June 10, 1946, Serial No. 675,759
3 Claims. (Cl. 155—79)



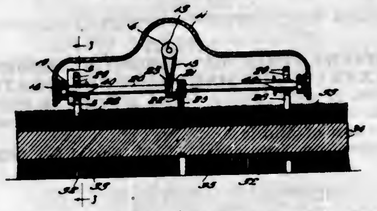
3. In a child's carrier for use in connection with the passenger seat of an automobile, hingedly connected back and horizontal and frame members, said back frame member having sides, each provided with a laterally extending offset merging into a terminal portion for the respective sides, supporting hooks swivelly connected with the terminal portions of said sides, and chains having links engaged with said offset portions of said sides and retained against displacement by the cooperative action of said sides and the swivel connections between the supporting hooks and terminals, said chains having free end portions trained through openings provided therefor in the horizontal frame member, and clasps on the terminals of said free end portions, said end portions of said chains being adapted to be drawn through the said openings and bent back for engaging said clasps with selected intermediate links in the chains to secure said horizontal frame member at selected positions of angular adjustment with respect to said back frame.

2,461,368
MAGNETIC TRANSDUCING APPARATUS UTILIZING A HELICAL SOUND TRACE
William E. Bradley, Swarthmore, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application December 19, 1944, Serial No. 568,885
13 Claims. (Cl. 179—100.2)

3. A signal recording arrangement comprising a longitudinally movable magnetizable wire, means energized by signal modulated carrier waves to produce crossed magnetic fields, an electric phase displacing network for displacing the phase of the carrier waves applied to one of said pair of means with respect to the carrier waves applied to the other of said pair of means to produce the effect of a magnetic field having a component revolving around the longitudinal axis of said wire but without physically revolving said means, said component being modulated to correspond with the signal modulations of said carrier.



2,461,369
POLISHING ATTACHMENT FOR ELECTRIC SWEEPERS
Millard E. Cameron, Allen Park, Mich.
Application July 27, 1945, Serial No. 607,322
4 Claims. (Cl. 15—49)

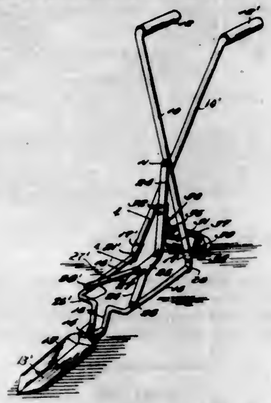


1. A surface treating attachment for electric sweepers having a casing and a motor therein comprising a shaft adapted to be mounted in said casing, extending members slidably carried by and disposed perpendicular to said shaft, said extending members being spaced longitudinally of said shaft, said extending members having a plurality of longitudinally spaced grooves, each of said extending members having a journal at one end thereof, a cylindrical surface treating member rotatably mounted in said journals, driving means connecting said surface treating member and said motor, and slidable latches carried by said shaft selectively engageable with said grooves for radial adjustment of said extending members and said surface treating member relative to said shaft.

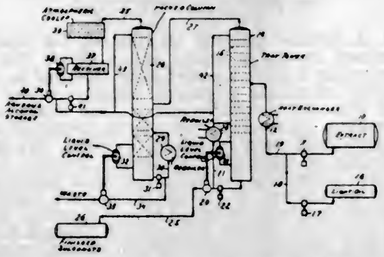
2,461,370
SHEARS
Stanley M. Carper, Sheffield County, Conn.
Application April 16, 1946, Serial No. 662,492
6 Claims. (Cl. 56—241)

1. Shears comprising in combination, a pair of crossed, upwardly extending levers pivotally connected at the intersection thereof and forming handles at their upper ends, a pair of crossed, substantially horizontal shear blades pivotally connected together and extending past the intersection thereof to constitute a pair of operating arms, a flexible connection between the free end of each of said arms and the lower end of one

of said levers, a strap secured at one end thereof at the intersection of said levers and extending downwardly therefrom, a forwardly angulated portion at the lower end of said strap, a pair of equalizing bars, each connected at one end thereof to said angulated portion and at its remaining end to one of said arms, a downwardly and rearwardly extending bracket connected to said strap, and a supporting roller rotatably mounted in said bracket.



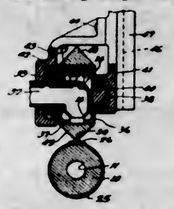
2,461,371
DISTILLATION OF AQUEOUS ALCOHOL EXTRACTS OF MAHOGANY SULFONATES
Eldon B. Cole, Tulsa, Okla., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application November 1, 1947, Serial No. 783,497
3 Claims. (Cl. 202—40)



1. Method of continuously distilling an aqueous alcohol extract of an oil-soluble mahogany sulfonate to remove the alcohol and water and to thereby produce a concentrate of the sulfonate comprising maintaining the residue in the distillation column at a temperature above the boiling point of water at the operating pressure and refluxing the column with a water-alcohol mixture containing between about 30 and 90% alcohol.

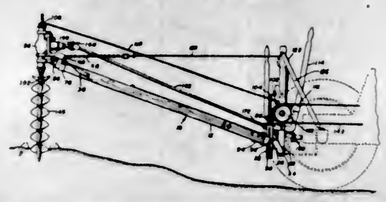
2,461,372
TUBE FORMING DEVICE
Fred V. Collins, Des Plaines, Ill., assignor to William F. Stahl, Kenilworth, Ill.
Application December 31, 1947, Serial No. 794,849
4 Claims. (Cl. 154—42)

1. Apparatus for forming tubes from fusible flat web material, comprising a mandrel, means for advancing said web forwardly of said mandrel and into tubular form, and means for subjecting the edge portions of said tube to high frequency radio waves to fuse said portions including a wave guide for directing high frequency radio



waves toward the edge portions of said tube, a substantially hollow roller receiving the end of the wave guide and a rim of high dielectric-constant material on the roller for engaging the edge portions of the tube.

2,461,373
ONE-MAN POSTHOLE DIGGER
Clarence M. Cox, Belgrade, Mont.
Application July 18, 1947, Serial No. 761,959
1 Claim. (Cl. 255—19)

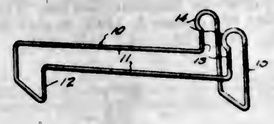


A hole digger comprising a frame, a support adapted to be secured to a tractor having arcuate tracks thereon with slots in said tracks, lugs projecting from said frame and disposed in said slots, a lever pivoted to said support, pitman rods connecting said lever and said frame to rotate said frame, a bracket secured to said frame, a perch pivoted to said bracket, a housing with a transmission therein pivotally mounted on said perch for supporting and actuating an auger, means for pivotally adjusting said perch comprising a rod secured to said auger retaining means, and a crank pivoted to said support receiving said rod, an extensible shaft, a spring urged clutch in said shaft, and means drivingly connecting said shaft and said transmission, a flexible member attached to said frame, and means mounted on said support for winding and playing out said flexible member to raise and lower said frame in a pivotal manner about said lugs as an axis.

2,461,374
RECEPTACLE SUPPORTING RACK
Harry W. Custer, Center Line, Mich.
Original application October 13, 1944, Serial No. 558,510. Divided and this application September 24, 1945, Serial No. 618,157
1 Claim. (Cl. 248—175)

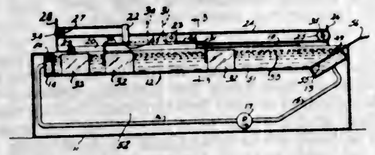
As a new article of manufacture, a rack for supporting tubular receptacles and the like, formed of a strand of material, said rack comprising a pair of spaced parallel longitudinally extending members constituting receptacle-supporting side track-rails, a depending U-shaped loop supporting the front end of said rails, said rails terminating at their opposite rear ends in

upwardly extending parallel portions, the upwardly extending parallel portions merging into forwardly projecting loop portions, the forwardly projecting loop portions in turn terminating in a downwardly extending U-shaped loop portion providing a support for the rear end of the rack, the upwardly extending parallel portions and the



forwardly projecting loop portions extending in alignment, the track-rails providing supports upon which a tubular receptacle rests and extends below the rails to hold the receptacle against lateral displacement, the rails also constituting parallel tracks for supporting the receptacle for longitudinal slidable movement upon the track-rails.

2,461,375
FOOD REFRIGERATING APPARATUS
Kosmas Eftihios, New Orleans, La.
Application April 4, 1947, Serial No. 739,328
15 Claims. (Cl. 62—104)



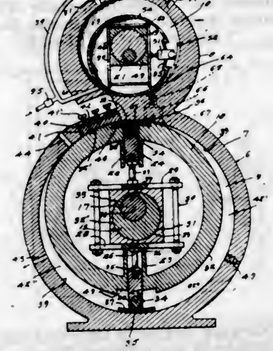
4. In a food freezing machine a refrigerant receptacle, a refrigerant cooling and circulating system associated with said receptacle, mechanism for moving containers by successive stages through refrigerant in said receptacle, said mechanism including a reciprocating carriage supported above said receptacle, a carrier extending transversely of the carriage, and a bracket pivotally supported on said carrier, said bracket in one position engaging containers in said receptacle and in another position resting on said carriage above said receptacle.

2,461,376
SHEET STRETCHING MECHANISM
Frank Feldmeier, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application May 28, 1947, Serial No. 751,150
3 Claims. (Cl. 271—52)

1. In combination with a drum mounted for horizontal rotation, apparatus for stretching flatly upon said drum surface a sheet of paper carried thereon, comprising a rock shaft mounted adjacent the drum and parallel to the axis thereof, a rotatable shaft and a rubber-tired wheel supported thereon for rotation in contact with the drum surface, means mounting said wheel supporting shaft for rotation about its longitudinal axis and for securing it to said rock shaft for bodily rocking movement therewith, manually controllable means associated with said mounting for selectively canting the axis of the wheel relative to the axis of the drum, and a similar wheel and mounting therefor adjustably positioned on another portion of said rock shaft and arranged for canting oppositely to the cant of

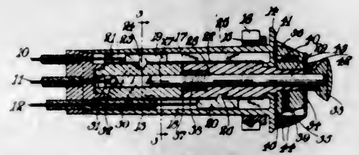
the first wheel whereby when the two wheels engage opposite margins of the sheet disposed on the drum the rotation of the drum and wheels will serve to stretch the sheet upon the drum.

2,461,377
ROTARY INTERNAL-COMBUSTION ENGINE
Clair A. Gilson, Stuart, Fla.
Application March 21, 1945, Serial No. 583,889
5 Claims. (Cl. 123—16)



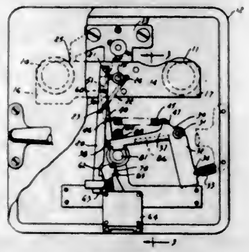
1. In a rotary engine, a substantially annular housing, inwardly extending cam bosses fixed to the ends of said housing concentric therewith, a shaft extending through said bosses eccentric thereto, a rotor fixed to said shaft concentric with said shaft and eccentric to said housing, shoes engaging the inner surface of said housing, a slide block rotatable about said cam boss, vanes slidably mounted on said rotor, means rockably securing said shoes on said vanes, and means fixed on said shaft slidable in said vanes and engaging said shoe securing means in certain positions of said rotor and said shoes for locking said shoes against rocking movement on said vanes.

2,461,378
CONTROL DEVICE FOR MULTIPLE LINEARLY MOVABLE MEMBERS
Frederick Joseph Grose, Cricklewood, London, England, assignor to S. Smith & Sons (England) Limited, London, England, a British company
Application June 30, 1947, Serial No. 758,023
In Great Britain July 16, 1946
1 Claim. (Cl. 74—501)



A control device for moving three Bowden cables comprising a casing having two straight grooves formed in the internal surface thereof, two blocks attached respectively to two of the cables and slidable respectively in said grooves and each having an inwardly extending projection, two externally threaded members arranged end to end and rotatable but fixed against axial movement in said casing and engaged respectively by said projections, each of which threaded members is provided with a bore, an operating member extending freely through the bore in one member and axially slidable but non-rotatable in the bore of the other threaded member which operating member is connected to the third cable and another operating member adapted independently to rotate the first said threaded member.

2,461,379
BINOCULAR SHUTTER MECHANISM
Lawrence Earl Hamilton, Holly Hill, Fla.
Application August 8, 1947, Serial No. 767,395
7 Claims. (Cl. 161—26)

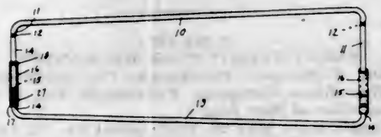


1. In a viewing device, a lens system, a shutter pivotally mounted for rotation from a first position wherein it intercepts light passing through said lens system to a second position where the lens system is open for the passage of light; a latching arm pivotally connected to said shutter at one side of the pivotal mounting thereof; a latch element; biasing means engaging said latch arm and urging said shutter to said first position and urging said latch arm toward engagement with said latch element; means for moving said shutter from the first position to the second position, said latch arm moving therewith to a position where it engages said latch element, said means comprising a latch lowering arm; means at the end of the latch lowering arm for engaging the shutter; a member operable to move the latch lowering arm into engagement with the shutter while the shutter is in the first position; additional means for moving the latch lowering arm back to its original position to move the shutter to the second position.

2,461,380
MATCH BOOK, VEST POCKET SIZE
Christine Hansen, Racine, Wis.
Application November 8, 1945, Serial No. 627,340
1 Claim. (Cl. 206—29)

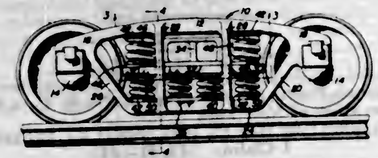
In a safety match box of vest pocket size, a main cover having its bottom edge upturned to form an open channel and its top edge having a flap bent over to form a wide housing space for match heads and the extremity of the flap bent inwardly in said space to provide an upwardly open narrow channel, a match comb with a plurality of matches enclosed in said cover having its solid bottom end rigidly secured in the upturned bottom channel of said cover and the heads projecting freely into said top housing space, said flap concealing only the tips of the match heads, and a shield having a flat straight body of about the same width as said cover and a height greater than the distance between the opposing edges of said flap and said bottom channel, said shield being bent over at its top edge to form a hook portion adapted to hook over the edge of said narrow tip channel of the cover thereby to cover the entire front of the matches and being adapted to slide sideways for uncovering them.

2,461,381
LEG AND SLEEVE STRETCHER
Scott W. Henderson, Kokomo, Ind., assignor to Vera P. Williams, doing business as C. I. Togstad Company, Kokomo, Ind.
Application June 12, 1946, Serial No. 676,148
11 Claims. (Cl. 223—63)



1. In a garment stretcher having two confronting U-shaped members with arms in lapping relation, the combination of a U-shaped bridge member for each lapping pair of arms and carried by one of those arms and slidably supported at spaced points by the other of those arms, a locking member pivotally supported by the bridge member and embracing the said other arm, and a coil spring member about said other arm and operatively interposed between the bridge member and the locking member and normally constraining the latter to locking engagement on the said other arm and against stretcher collapse and permitting relatively free stretcher extension.

2,461,382
RAILROAD CAR TRUCK BOLSTER SUSPENSION
George T. B. Hunter, St. Louis, Mo.
Application December 23, 1947, Serial No. 793,538
2 Claims. (Cl. 105—197)



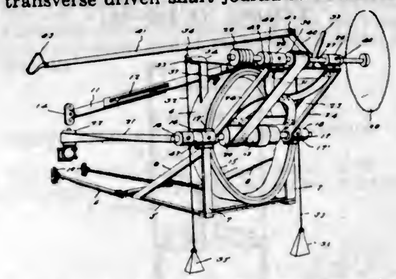
1. In a railroad car truck side frame including an upper member and a lower member, a pair of spaced parallel substantially vertical inner guide bars fixed to the inner faces of said members, and a further pair of spaced parallel substantially vertical outer guide bars fixed to the outer faces of said members; a bolster support comprising, a bolster supporting member slidably mounted between all of said guide bars, resilient means disposed between the lower member and the bolster supporting member for cushioning the downward movement of said bolster supporting member, integral extensions projecting from said bolster supporting member, further resilient means positioned between the extensions and the lower member for cushioning the downward sliding movement of said bolster supporting member, and still further resilient means disposed between the extensions and said upper member for cushioning the upward sliding movement of said bolster supporting member, said guide bars limiting certain relative movement of said bolster supporting member and a bolster supported thereon, said further resilient means and said still further resilient means cooperating to restrict tipping of said bolster supporting member.

2,461,383
COPOLYMERS OF ALPHA-ACETAMINO-ACRYLATES
Elias Isaacs and Herbert Gudgeon, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application November 15, 1945, Serial No. 628,998. In Great Britain November 20, 1944
3 Claims. (Cl. 260—84)

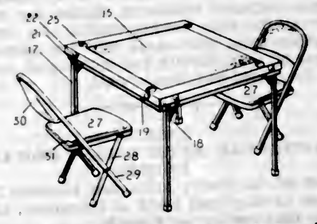
1. A process which comprises heating a solution comprising 1 part by weight of methyl α-acetamino acrylate, 19 parts of acrylonitrile, 1 part of ammonium persulfate and 0.5 part of sodium sulphite dissolved in water, at a temperature of about 30° C. for a period of about 16 hours, whereby to form a copolymer of methyl α-acetamino acrylate and acrylonitrile, and separating said copolymer from the reaction mixture.

2,461,384
TRACTOR-MOUNTED TIMBER SAWING APPARATUS
Edwin Richard Loftus Kelly, Neuse, N. C.
Application December 24, 1943, Serial No. 515,535
2 Claims. (Cl. 143—43)

1. A timber sawing attachment for tractors, comprising a horizontal rectangular frame having rigid uprights rising from the front end thereof, a vertical stationary annular band rigidly mounted transversely of and upon the front end of the frame and secured to and arranged between said uprights, a plurality of arms, one projecting rearwardly from and centrally of the top of the stationary annular band and two from the rear end of the frame and having attaching brackets at their rear ends for mounting the frame on the front of the tractor, an annular carrier band rotatably fitted in the stationary annular band, mounting plates fixed to opposite sides of the carrier band at the front edge of the latter, diametrically opposed and transversely aligned bearings secured on the front faces of said plates, a transverse driven shaft journaled in said bearings, a rectangular swinging saw frame having rearwardly projecting side members journaled on said shaft, transversely aligned bearings secured on the front end of said saw frame and having a second transverse shaft journaled therein, said second shaft having a projecting end carrying a circular saw, a belt gearing between said shafts, manually releasable means to secure the carrier band against rotation relative to the stationary band to retain the saw frame with its pivotal axis either horizontal or vertical, and means for swinging said saw frame to feed the saw to the work.



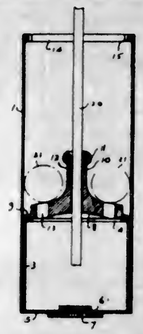
2,461,385
ARTICLE OF FURNITURE
Regina Katherine Logue, Philadelphia, Pa.
Application August 17, 1946, Serial No. 691,184
4 Claims. (Cl. 155—124)



1. A table comprising a top, legs pivotally mounted for movement relative to said top, a recessed apron depending from said top spaced inwardly of the peripheral rim of the top, said apron defining with the top a chair receiving recess inwardly of the apron, and forming with the top outwardly of the apron a niche for housing said legs in folded condition, in combination with a plurality of collapsible chairs, a plurality of spring clamps attached to said apron and arranged to overlie said chairs when folded and positioned within said recess, and means mounting said clamps to swing outwardly from under said apron to permit said chairs to be positioned within and removed from said recess, said means mounting said clamps providing an arcuate movement of said clamps on both sides of said apron and biased so that said clamps swing in-

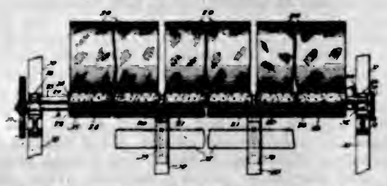
wardly and upwardly of the apron when the chairs are removed from said recess in order to effect leg clearance for users of the table, and complemental spring clamp means mounted centrally of the table to cooperate with said first clamp means in supporting chairs in said recess.

2,461,386
GOLF CUP
David Matheny, New Brighton, Pa.
Application October 15, 1947, Serial No. 779,894
1 Claim. (Cl. 273—34)



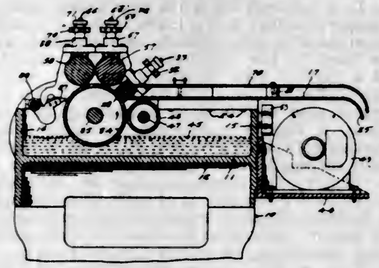
In combination, a golf cup comprising a cylindrical lining wall, a drain pot removably mounted in the lower end portion of said wall and being formed at the upper end thereof with an annular inturned supporting flange, a circular ball lifter provided with drain holes loosely mounted in said wall and seating on said supporting flange, said lifter including an upwardly extending centrally disposed stem, said stem being provided with a handling knob at the upper end thereof and with a passage extending therethrough, the top surface of said lifter sloping downwardly from said stem to the peripheral edge of the lifter, and a retaining ring having a screw thread connection in the upper end of said wall, said lifter being formed with an annular retaining flange for engaging said retaining ring for preventing the removal of said lifter from said wall and for allowing the disposal of said sloping top surface of said lifter above the upper end of said wall.

2,461,387
CLOTH ROLL ATTACHMENT FOR LACE LOOMS
Edward W. Medbery, Arlington Heights, Ill., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application June 26, 1947, Serial No. 757,189
15 Claims. (Cl. 87—31)



1. A cloth roll attachment for a loom comprising in combination a porcupine roller extending longitudinally of a loom, operating connections with the loom whereby the said porcupine roller is operated, a friction roller extending parallel with the said porcupine roller and in spaced relation therewith whereby a cradle is formed by the said rollers for a cloth roll and operating means for the said friction roller whereby the friction roller is driven at a faster rate of travel than the porcupine roller.

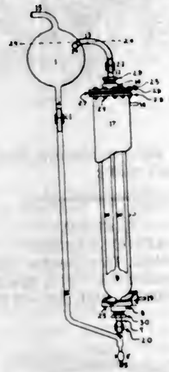
2,461,388
GLUING MACHINE
Robert Minkow, New York, N. Y., assignor to Minco Products Corp., New York, N. Y., a corporation of New York
Application May 21, 1945, Serial No. 594,895
1 Claim. (Cl. 91—51)



A gluing machine for coating either flexible or stiff materials comprising a frame, a glue well carried by said frame, a pair of elongated side members, means pivotally mounting said members on said frame, a gluing roll carried by said frame and extending into said well, a pair of pressure rolls rotatably carried by said side members engaging said gluing roll above said well, a feeding roll on said frame forwardly of said gluing roll, a sheet feeding table carried by said frame below said feeding roll for feeding flexible sheets onto said gluing roll below the uppermost edge thereof, and a second table removably secured on said first table for feeding stiff sheets onto the uppermost edge of said gluing roll substantially in a plane formed by the coacting areas of the surfaces of said gluing roll, said feed roll and said pressure rolls.

2,461,389
LABORATORY CIRCULATING EVAPORATOR
David T. Mitchell, Decatur, Ill.
Application February 23, 1945, Serial No. 579,443
1 Claim. (Cl. 122—406)

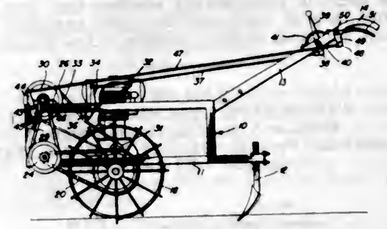
A laboratory circulating evaporator of the class described comprising in combination: an integral heat exchanger tube assembly comprising two manifold chambers, a plurality of tubes connecting said manifold chambers, an inlet tube connected to one manifold chamber, and an outlet tube connected to the other manifold chamber, said tube assembly providing for flow of the liquid being evaporated, and vapors thereof, on the inside of its tubes and manifold chambers; an integral vapor separator assembly comprising a chamber whose horizontal cross section is substantially circular, a vapor outlet tube connected to the top of said chamber, a liquid outlet tube connected to the bottom of said chamber, an inlet tube for mixed vapor and liquid connected to the chamber at a position between its top and bottom, said inlet tube protruding inwardly through the wall of said chamber for a short distance and directed toward an adjacent part of the chamber wall, whereby the incoming stream of mixed vapor and liquid is delivered tangentially against the chamber wall and imparts a smooth whirling motion to the vapor and liquid within said chamber; an integral tube assembly that provides combined improved means for charging, discharging, and washing the evaporator, and for returning liquid from the vapor separator assembly to the inlet tube of the heat exchanger tube assembly, said tube assembly comprising a straight tube with an opening in its wall, and a bent tube consisting of a bend and two substantially straight arms, the end of one of said arms being sealed to the rim of the opening in said straight tube so that said attached arm and said straight tube form an acute angle, the other of said arms lying in the same plane with said straight tube and being parallel thereto; means for heating the outer surface of said heat exchanger tube assembly; means for connecting the outlet tube of the heat exchanger tube assembly to the mixed vapor-liquid inlet tube of the vapor separator assembly; means for connecting the liquid outlet tube of the vapor separator assembly to the combined liquid-return charge-discharge tube assembly; and means for connecting said combined tube assembly to the inlet tube of the heat exchanger tube assembly.



2,461,390
UMBRELLA POCKET AND UMBRELLA
Esther Priest Montague, Arlington, Va.
Application April 24, 1947, Serial No. 743,654
4 Claims. (Cl. 2—247)

4. A garment having sewn to the outer surface thereof, a piece of material providing a vertically elongated, relatively narrow pocket open at the top only, said piece having a folded and sewn pleat adjacent its top and a similar pleat adjacent its bottom, providing outwardly extensible fullness throughout the length of the pocket therebetween, whereby the bulk of an umbrella or the like positioned in the pocket projects outwardly into said fullness; a reinforcing ply at the lower end of the pocket having an inner portion lying along and sewed to the outer face of the garment within the pocket and an outer portion lying along and sewed to the inner face of said piece and extending continuously around under the point of an inserted umbrella; a band or tape attached to the garment adjacent the upper end of the pocket having a free end of a length to embrace an umbrella below the handle thereof, and fastening means for the free end of the band or tape when positioned in embracing relation to an umbrella.

2,461,391
DRIVE TRANSMISSION FOR GARDEN TRACTORS
Joseph F. Osterhaus, Independence, Iowa
Application January 7, 1946, Serial No. 639,512
1 Claim. (Cl. 180—17)

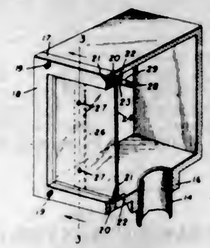


In a garden tractor a frame, a tubular axle extending transversely of the frame intermediate its ends, a stub shaft rotatably mounted in each end of the tubular axle, a traction wheel on each stub shaft adjacent the end remote from the tubular axle, a drive sprocket on each stub shaft adjacent the tubular axle, a tubular supporting member extending transversely above the frame, a stub shaft mounted to rotate in each end of the supporting member, a drive sprocket on each stub shaft adjacent the supporting member having driving connection with the drive sprocket of the traction wheel on its respective side of the frame, a drive pulley on the end of each second mentioned stub shaft remote from the tubular supporting member, a main drive shaft extending transversely of the frame above the tubular support, a main drive pulley on said main drive shaft intermediate the ends thereof, a drive pulley on each end of the drive shaft, belts establishing driving connection between the drive pulley on the prime mover and the main drive pulley and manually controlled belt tighteners selectively to tighten the belts whereby one or the other traction wheel may be stopped or driven or both traction wheels may be stopped or driven in unison.

2,461,392
AUTOMATIC VENT
Edward C. Parry, Ferndale, Wash.
Application March 3, 1947, Serial No. 732,073
1 Claim. (Cl. 4—211)

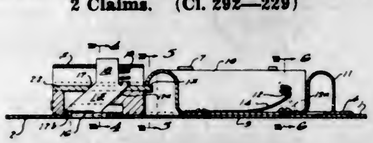
An automatic vent for stand pipes comprising a rectangular open-front casing having a bottom nipple for connection with the upper end of a stand pipe, said casing having a continuous internal shoulder adjacent the front thereof pro-

vided with open-front bearing recesses therein at the sides and near the top of the casing, a shaft journaled at its ends in said bearing recesses, a gravity closed and rearwardly opening shutter fixed to and depending from the shaft



and normally disposed within said shoulder, and a gasket carrying frame secured to the front of the casing with its gasket holding the ends of the shaft in said bearing recesses and with the inner face of its gasket normally engaging the front marginal surface portion of the shutter.

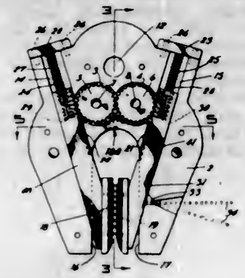
2,461,393
FLUSH TYPE LATCHING DEVICE
William A. Paxton, Detroit, Mich.
Application February 26, 1945, Serial No. 579,709
2 Claims. (Cl. 292—229)



1. A latching device for a closure member for an opening in a wall or the like comprising, in combination, a latch bolt pivotally mounted on the inside of said closure member and having a projection thereon adjacent said pivotal mounting for engaging the inner surface of said wall and thereby securing said closure member in closed position, said latch bolt being adapted on pivotal movement to swing its wall engaging projection inwardly and away from the adjacent margin of said wall and its opposite end outwardly away from the outer surface of said closure member, keeper means for retaining said latch bolt in engaged position with said wall mounted inwardly of the outer face of said closure member including a reciprocable tongue adapted to releasably engage the outwardly swingable end of said latch bolt, a cam for engaging said tongue and adapted to cause reciprocation of the tongue upon movement transversely thereof and manual means for moving said cam accessible at the exterior face of said closure member and flush therewith.

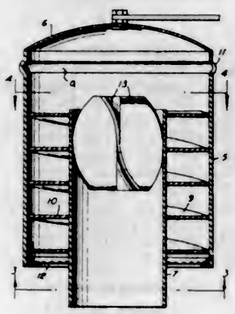
2,461,394
HOIST CLAMP
Alfred J. Plante, Augusta, Maine, assignor of one-half to Davila Cloutier, Augusta, Maine
Application January 3, 1946, Serial No. 638,821
3 Claims. (Cl. 294—86)

1. A hoist clamp including a body being slotted at its lower edge, converging jaw supporting members extending through the body into the slot, detachable jaws on said members, resilient means for projecting said members and jaws,



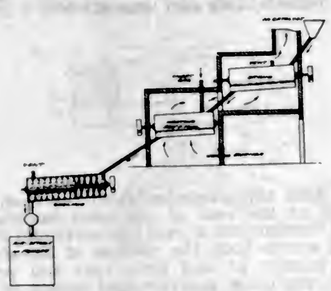
racks formed on said members, and gears interposed between said racks.

2,461,395
AIR CLEANER
Emil Psikal, Dorchester, Nebr.
Application December 15, 1947, Serial No. 791,828
2 Claims. (Cl. 183—91)



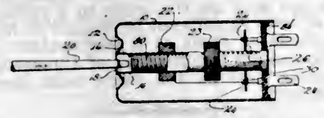
1. An air cleaner comprising an upright cylindrical casing completely closed at the top and open at the bottom, an open ended outlet tube having its upper major portion disposed centrally of and within the lower major portion of said casing, the lower end of said outlet tube projecting below the casing to fit over the air inlet of a carburetor or the like, a pair of uniformly spaced intertwined spiral baffles rigidly connecting the casing and the outlet tube and extending substantially from the lower end of the casing to the upper end of the outlet tube, said casing having an internal annular channel in the cylindrical wall thereof above the upper end of the outlet tube and being provided with a dirt escape opening through the wall of said channel, and a screen extending across the space between the lower end of the casing and the outlet tube to remove large particles of dirt from air entering the bottom of the casing, said baffles being adapted to cause whirling of air within the upper portion of the casing so that smaller particles of dirt entrained in such air will be thrown outwardly into said channel by centrifugal force and will be rotated in said channel to ultimately pass from the casing through said dirt escape opening.

2,461,396
METHOD OF PRODUCING FINELY DIVIDED METALS
Murray Raney, Chattanooga, Tenn.
Application July 25, 1945, Serial No. 606,972
1 Claim. (Cl. 75—0.5)



The process of forming non-pyrophoric nickel powder which consists in exothermally decomposing finely divided catalytically active hydrided nickel powder at about atmospheric pressure, in an atmosphere selected from the group consisting of carbon-dioxide and hydrogen, by heating it therein to a temperature of about 400° F. to start the exothermal decomposition and holding its temperature within the range of about 400°–1200° F. during such decomposition and until cessation of evolution of hydrogen therefrom, and cooling the resulting non-sintered powder in the presence of said non-reactive atmosphere.

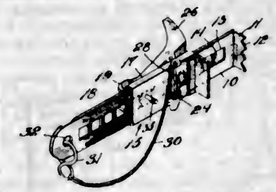
2,461,397
PERMEABILITY TUNED TRANSFORMER
Kenneth B. Ross, Chicago, Ill.
Application June 21, 1947, Serial No. 756,281
4 Claims. (Cl. 171—119)



1. In a permeability tuned inductance device, the combination of a coil, a tube extending through the coil and secured thereto, an externally threaded powdered iron core within said tube, said core being formed at one end for engagement by a tool for rotating the core, and internal projections forming parts of the tube and cooperating with the threads on the core to press the core against the opposed internal wall of the tube to hold it in adjusted position.

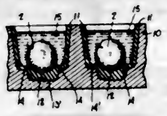
2,461,398
PORTABLE DOOR FASTENER
Henry F. Sands, Cranston, R. I.
Application May 12, 1947, Serial No. 747,455
6 Claims. (Cl. 292—297)

1. A portable door fastener comprising a plate engageable between the door and door jamb, means on the plate to lock the plate against removal from such position when the door is closed, said plate being provided with a plurality of abutment surfaces at spaced intervals, a slide movable along said plate, and a locking member pivoted on said slide and having an arm to engage and slide along a selected one of the abutment surfaces to hold the slide in adjusted position and a cam surface on the member to engage a door to force the door

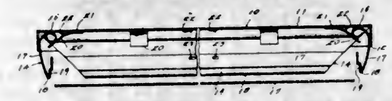


away from said abutment surface as the locking member is swung on its pivot.

2,461,399
CONFECTIONERY
Herbert Strausser, New York, N. Y.
Application June 18, 1946, Serial No. 677,590
6 Claims. (Cl. 99—138)



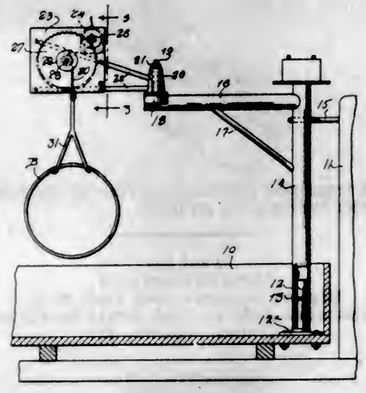
1. As a new product, a chocolate coated candy, comprising an outer shell consisting of a chocolate composition, a semi-liquid to liquid confection in said shell, the upper surface layer of said shell being provided with a projecting integral top portion having a greater wall thickness than the rest of the shell.

2,461,400
TACKLESS DISPLAY HOLDER
Theodore Roosevelt Thomas, Wilkes-Barre, Pa.
Application April 9, 1946, Serial No. 660,750
3 Claims. (Cl. 40—156)

3. A tackless display holder comprising a rectangular backing member, a fixed peripheral flange about said backing member, clamping members loosely supported on said backing member, a reverted looped brad on one edge of said clamping members, flat openings fixed at one end to said backing member, the free end of said springs engageable resiliently over said bead, said springs, peripheral flange and bead constituting the hinge of said clamping members for rotatably securing said clamping members to said backing member, said bead formed with an irregular surface engaging said springs whereby said springs bias said clamping members open from the open position and closed from the closed position.

2,461,401
HOISTING DEVICE
Roy Trombley, Presque Isle, Maine
Application June 29, 1945, Serial No. 602,351
5 Claims. (Cl. 212—54)

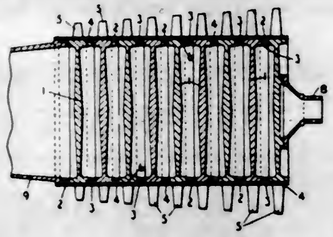
1. The combination with a vehicle body, of a pivot member fixed to said body adjacent one end thereof, a crane post pivoted on said member, a crane arm extending radially from the upper end of said post, an extension arm pivoted to the outer end of said crane arm, and a vertically disposed

plate carried by the free end of said extension arm, a motor mounted on one side of said plate,



and hoisting means driven thereby mounted on the opposite side of said plate.

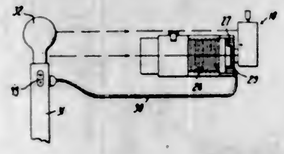
2,461,402
ROTOR FOR MULTISTAGE AXIAL FLOW COMPRESSORS AND TURBINES
Leslie Thomas Whitehead, Farnborough, England, assignor to Power Jets (Research and Development) Ltd., London, England, a British company
Application October 5, 1945, Serial No. 620,503
In Great Britain October 6, 1944
8 Claims. (Cl. 230—134)



1. A rotor for a multi-stage axial flow turbomachine, comprising in combination, a series of solid discs arranged coaxially with their rims abutting and jointly affording the equivalent of a hollow drum, blading secured in axial grooves in said drum-like assembly of inter-connected discs, and elements in said grooves extending across the joints between said discs thereby locking said discs against relative rotation.

2,461,403
PHOTOGRAPHIC SYNCHRONIZER TESTER
John Edward Wilcox, Jr., Los Angeles, Calif.
Application January 28, 1946, Serial No. 643,911
11 Claims. (Cl. 88—14)

1. An apparatus of the character described comprising an opaque casing adapted to be mounted on a camera in front thereof, a rotatable light recording screen mounted in said casing with its axis at right angles to the longitudinal axis of the camera lens, said casing having a pair of spaced apertures formed in one wall thereof arranged in alignment longitudinally of said screen, a mounting member affixed to the casing adapted to be detachably secured to the front of the camera with one of said apertures in register with the camera lens and the other out of register with said lens whereby a portion

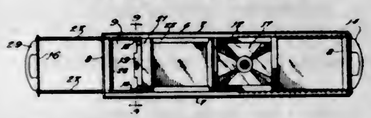


of the light rays projected from the flash bulb disposed at the rear of the open camera will project through one of said apertures and record on said screen upon the opening of the shutter and a portion of said light rays will project through the other aperture and record on said screen.

2,461,404
EXTRACTION OF PROTEIN FROM SEEDS
Robert Louis Wormell and Alfred Frank Millidge, Coventry, and Claude Leonard Knight, Kenilworth, England, assignors to Courtaulds Limited, London, England, a British company
No Drawing. Application January 17, 1947, Serial No. 722,748
In Great Britain February 19, 1946
7 Claims. (Cl. 260—112)

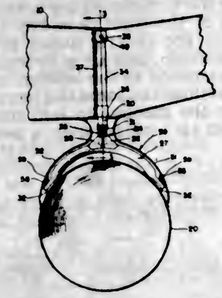
1. A method of preparing protein-containing seeds for extraction of the protein comprising the steps of impregnating the seeds with not more than about four times their weight of a dilute aqueous solution of an acid chosen from the group consisting of sulphuric acid, hydrochloric acid and phosphoric acid, the pH value of the solution being not greater than 2.0, removing water from the impregnated seeds to concentrate the acid on the seeds to a concentration of at least 25 per cent by weight by heating the impregnated seeds at a temperature below the carbonization temperature of the seeds and subsequently washing the seeds until they are free from acid.

2,461,405
PHOTOGRAPHIC FILM AND SCREEN HOLDER
William L. Appling, Uvalde, Tex.
Application December 8, 1945, Serial No. 633,813
4 Claims. (Cl. 88—24)



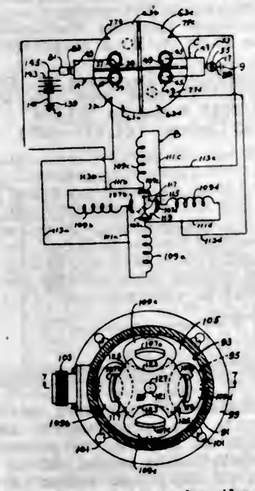
1. A photographic device which comprises a rectangular frame, a bottom upon said frame provided with a sight opening intermediate its ends, a focusing screen holder reciprocally movable into and out of registry with said sight opening, a focusing screen mounted in said holder, a film holder mounted for reciprocal movement independent of movement of said focusing screen holder into and out of registry with said sight opening, separate means mounted at the opposite ends of said frame for respectively moving the focusing sereen holder and the film holder in said frame.

2,461,406
SWAY BRACE INSTALLATION
Paul M. Birk, Kenmore, and Frederick I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application July 6, 1945, Serial No. 603,464
5 Claims. (Cl. 89—1.5)



4. In an aircraft structure, an article carrying rack secured to the structure and releasably carrying the article externally of said structure, an article sway brace movably mounted upon guide means within said structure and projecting outwardly from said structure into position for contact with the article carried by said rack for supporting the article against movement relative to the rack, and resilient means within the structure acting on said sway brace to urge the same outwardly into such contact with the article and to jettison said sway brace from said structure simultaneously upon release of the article from said rack.

2,461,407
REMOTE-CONTROL APPARATUS
Hosmer L. Blum, Fort Wayne, Ind., assignor to Bowser, Inc., Fort Wayne, Ind., a corporation of Indiana
Application October 21, 1944, Serial No. 559,855
2 Claims. (Cl. 318—27)



1. In a remote control device, the combination of a magnet having a constant polarity, means mounting said magnet for rotation about a transverse axis, a plurality of electro-magnets disposed about and adjacent to said first magnet, said first magnet adapted to be moved successively to central and intermediate positions with respect to said electro-magnets and having poles, each of which is formed with three projections, the central one to cooperate and disposed to be in aligned, closely spaced relation with one electromagnet in the central position and the other two adapted to be aligned with two adjacent electromagnets of like polarity in the intermediate position, a source of power, a rotating switch connected to said source and adaptable when rotated to energize said electro-magnets in predetermined order.

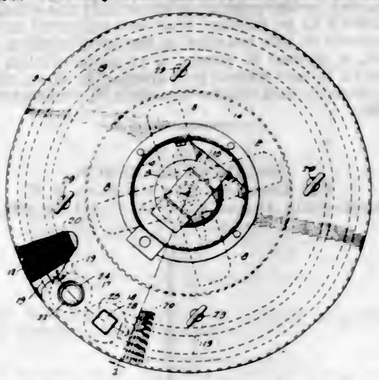
2,461,408
MECHANICAL PENCIL
Ray Brosseau, Kew Gardens, N. Y.
Application August 16, 1946, Serial No. 690,952
2 Claims. (Cl. 120—17)

1. In a mechanical pencil a feeding mechanism for the writing element, said feeding mechanism comprising a fixed chuck and a movable chuck, a collar for each of said chucks adapted to close and open said chucks, a yoke connecting said collars and a finger member connected to said yoke whereby said yoke and the collars connected thereto may be longitudinally moved to cause upward movement of the movable chuck and at the same time causing said movable chuck to open and said fixed chuck to close and then downward movement of the movable chuck and at the same time causing said movable chuck to close and said fixed chuck to open.

2,461,409
UNIT HEATER CONSTRUCTION
Donald W. Christensen, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a corporation of Wisconsin
Application June 10, 1946, Serial No. 675,694
1 Claim. (Cl. 257—137)

In a device of the class described, the combination of a pair of annular members spaced to provide a chamber between them communicating exteriorly of said members at the perimeters thereof, each of said members having a pair of openings formed therein, the openings in one member being alined with the openings in the other member transversely to the planes of said members, said openings being located contiguous to each other near the perimeters of said members, one opening of each of said pair of openings being non-circular, and an annular coil located in said chamber, said coil comprising a pair of headers connected by a plurality of

tubes bent to approximate a circle of slightly less diameter than the outside diameter of said members so as to locate said headers in parallel juxtaposition perpendicular to said members in registration with said alined openings, said headers having a projection on each end thereof adapted to be received in the opening in the adjacent member whereby said headers are held against



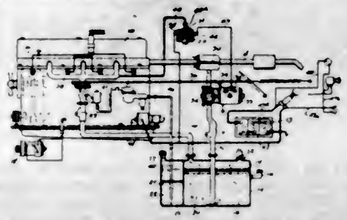
displacement radially of said members and said coil is supported between said members wholly by the seating of said projections in said openings, one of said projections on each of said headers being of non-circular form so as to interfit with the non-circular opening in one of said members whereby said headers are positively held against rotation on their axes.

2,461,410
POROUS ELECTRODE FOR ELECTROLYTIC CELLS
Richard U. Clark, Belmont, Mass., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application September 24, 1945, Serial No. 618,148
8 Claims. (Cl. 175—315)

1. An electrolytic cell electrode comprising a supporting core of valve metal and an adhering surrounding porous mass of film forming metal, said porous mass being the reduction product of a porous mass of film forming metal compound reduced in situ, said surrounding mass having random formations of irregularly shaped crevasses, flutes and cracks extending thereinto.

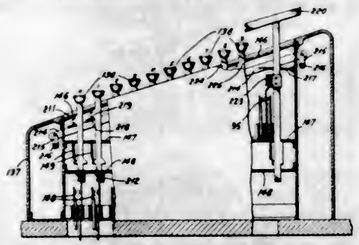
2,461,411
CARBURETOR
Parker Ed Cummings, Sr., Honolulu, Territory of Hawaii
Application February 19, 1946, Serial No. 648,735
2 Claims. (Cl. 123—122)

1. A fuel feeding system for internal combustion engines having a carburetor with an air intake port and a gasoline intake port, said system comprising an air heating means consisting of an air filter mounted on the exhaust pipe of the engine, a gasoline tank divided by means of a partition into two compartments, a pipe providing communication between said air filter and one of said tank compartments, consisting of an electric motor-driven air blower connected to said pipe to force heated air from said air filter into said gasoline tank compartment, a rheostat connected to said electric motor, a rod connecting said rheostat to the throttle on the carburetor, whereby opening of the throttle causes an increase in the speed of the electric motor and of the fan connected thereto, said air pipe leading from said air filter extending to the bottom of the gasoline tank compartment to force the heated air to bubble through the gasoline in said compartment to saturate said air with gasoline, a perforated baffle



board mounted near the top of said gasoline tank compartment horizontally thereof, said baffle board providing a space at the top of said gasoline tank compartment between said baffle board and the top wall of said tank in which the gasoline saturated heated air may collect, a second pipe communicating between the upper portion of said gasoline tank compartment and the air intake port and the carburetor, whereby the gasoline saturated heated air is adapted to be drawn up into the carburetor, a second compartment in said gasoline tank, and a pipe connecting said second compartment with the gasoline intake port in the carburetor, whereby raw gasoline may be drawn up into the carburetor.

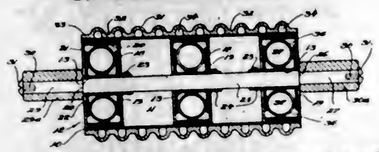
2,461,412
ACCOUNTING APPARATUS
Arthur H. Dickinson, Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 27, 1943, Serial No. 515,719. Divided and this application March 17, 1945, Serial No. 583,274
13 Claims. (Cl. 177—337)



1. In combination, a network of electronic trigger circuits for progressively registering different digits in response to pulses received by the network, means acting during a manifesting cycle to apply said pulses to the network to operate the trigger circuits for progressively registering the digits, starting from the digit registered at the beginning of the cycle,

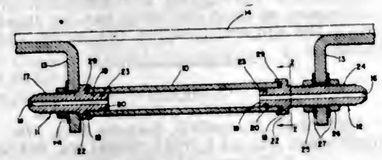
whereby a chosen digit is registered at a variable time in the cycle depending upon its relation to the starting digit, and digit manifesting means, including means rendering manifestations of the different digits available in progressive order during the cycle always starting with a predetermined digit manifestation available at the beginning of the cycle, and means controlled by the network upon the trigger circuits registering the aforesaid chosen digit for realizing the digit manifestation rendered available at the time the chosen digit is registered.

2,461,413
MASSAGING ROLLER
Louis J. Dirand, New York, N. Y., assignor of one-half to Irwin F. Mills
Application July 18, 1946, Serial No. 684,425
16 Claims. (Cl. 128—57)



1. A device as described, consisting of a rolling cylinder, a shaft upon which said cylinder rolls, and a plurality of circular coiled springs, arranged peripherally to engage the inner body of said cylinder and providing journal bearings for the shaft to extend through so that the shaft may have a floating disposition in said cylinder, and said cylinder have a floating mounting on said shaft.

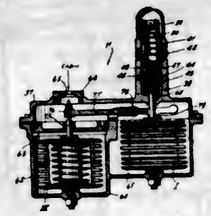
2,461,414
FITTING FOR TRANSPARENT TUBES
Verne P. Donner, East Aurora, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application June 15, 1945, Serial No. 599,681
8 Claims. (Cl. 285—5)



1. A fluid conduit fitting for use with a transparent conduit section of a high pressure fluid system, said fitting comprising a body having an enlarged portion spaced from one end and formed to provide a seat to receive the end of the conduit section, and fluid sealing means carried near said one end of the fitting body for fluid sealing engagement with the inner surface of the conduit section at a zone inwardly of the seated end thereof.

2,461,415
PRESSURE-REGULATING VALVE
John E. Dube, St. Louis County, Mo., assignor to Alco Valve Company, Maplewood, Mo., a corporation of Missouri
Application May 22, 1942, Serial No. 444,041
10 Claims. (Cl. 98—1.5)

1. In a mechanism of the kind described, a main valve adapted to control the flow of air from a cabin or the like to the atmosphere, air pressure means to control opening and closing of said valve, including a bleed line, a pilot valve mechanism controlling the flow of air from said bleed line to atmosphere, said pilot valve mechanism including two valves in parallel both disposed in the bleed line, means responsive to the difference in pressure on two sides of the main valve to bleed the first of said pilot valves, a movable wall exposed to a pressure within the cabin, on one side, yieldable force producing means act-



ing on said wall in opposition to said internal pressure, means connecting the wall and the second pilot valve to operate the same to bleed the line when internal pressure exceeds a predetermined value, additional pressure-responsive means producing a force that varies with changes in pressure external to the cabin, and means connecting said additional means with the second pilot valve accumulatively with the internal pressure acting on said movable wall.

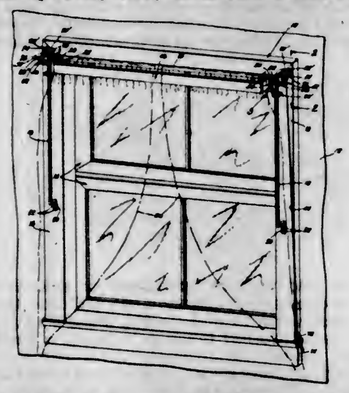
2,461,416
PATTERN MATERIAL, PATTERN, AND METHOD
Reiner W. Erdle and Charles H. Schaar, Chicago, Ill., assignors to Austenal Laboratories, Incorporated, Chicago, Ill., a corporation of New York
Application December 2, 1944, Serial No. 566,371
19 Claims. (Cl. 22—158)

1. For application to dental models to form on the model a pattern for an article to be cast, a ready-made casting pattern of cross-sectional dimensions and shape corresponding generally to the cross-sectional dimensions and shape of the article to be cast and composed essentially of thermoplastic material having a surface which is non-setting, pressure-sensitive adhesive, said thermoplastic material being eliminatable by heat from refractory molds, and said pattern having sufficient elastic recovery from distortion with respect to cross-sectional dimension and shape so as not to become permanently distorted under pressures normally required for adhesion purposes.

2,461,417
CURTAIN SUPPORT
Daniel Fallone, Astoria, N. Y.
Application February 10, 1947, Serial No. 727,515
6 Claims. (Cl. 211—103)

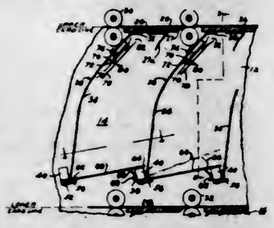
4. A curtain rod fixture, comprising guides, each guide having a shoulder and mounting portions for vertical attachment of said guide to an upright support, a bracket slidably mounted on each of said guides and having a mounting for a curtain rod and a horizontally extending lug, a pivoted detent on each of said brackets underneath the lug thereof, and a helical compression spring interposed between the lug and detent of

each bracket to urge said detent into latching engagement with the shoulder on the associated guide in the raised position of said bracket on said guide, each detent having means for securing thereto one end of a cord whereby a pull thereon upwardly away from said detent effects



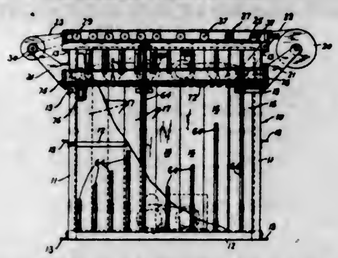
rocking of the latter out of latching position and raising of the corresponding bracket on its guide, respectively, each lug having a hole through which to extend the corresponding cord after the same is passed axially through the corresponding spring to keep the latter in place.

2,461,418
SORTER POCKET AND CHUTE BLADE CONSTRUCTION
Eugene A. Ford, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 3, 1947, Serial No. 745,833
4 Claims. (Cl. 271—64)



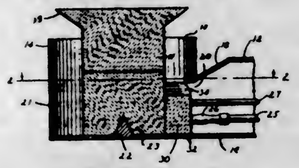
1. In a card pocket construction, a pair of partition members defining a partition wall, means for securing the upper ends of said members from a supporting surface at spaced points, said partition members extending downwardly from the supporting surface in spaced relationship, a supporting bar for the lower ends of said partition members, means for supporting said bar from a supporting surface, there being a pair of bores formed transversely in said bar at spaced points therealong, the lower ends of each of said supporting members being turned laterally, a threaded cap screw extending through each of said bores and having its lower end passing through the laterally turned end of one of said partition members, and a shelf member disposed below said laterally turned end of each of said partition members and into which one of said cap screws is threadedly received, said shelf member extending forwardly of its respective partition member and providing a supporting surface thereon, said pair of partition members forming a dividing wall between adjacent card receiving pockets in a series thereof, said supporting surface being designed to receive thereon the rear edge of a removable pocket bottom plate for the pocket on the forward side of said partition wall and said supporting bar being designed to receive thereon the forward edge of another bottom plate for the pocket on the rear side of said partition wall.

2,461,419
APPARATUS FOR DEVELOPING PHOTOGRAPHIC PAPER STRIP
Valmore J. Fergett, Ridgefield, N. J.
Application July 24, 1947, Serial No. 763,411
5 Claims. (Cl. 95—94)



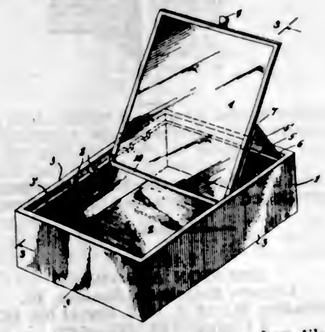
1. Apparatus for the simultaneous or selective developing, fixing and washing of two separate strips of photographic paper, said apparatus comprising a row of successive tanks having widths greater than the sum of the widths of the two strips with which the apparatus is intended to be used, rollers between successive tanks and rotatable on fixed bearings above the upper ends of the tanks, two idler rollers for reversing the respective strips in each tank, a separate frame in each tank for supporting each of the idler rollers in that tank and vertically removable hangers at the upper end of each frame for supporting that frame independently of the other frames so that one strip can be threaded through the apparatus while the other strip is running.

2,461,420
GAS BURNER CONSTRUCTION
Millard W. Hoenshell, Kansas City, Mo.
Application August 5, 1946, Serial No. 688,504
2 Claims. (Cl. 158—7)



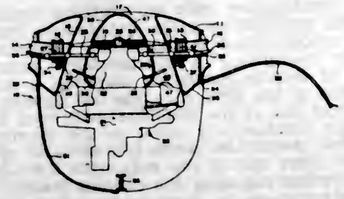
1. A fuel burner construction comprising, a cylindrical housing member open at its upper end, a cylindrical refractory block mounted centrally within said housing member and in spaced relation to the inner wall thereof to provide an annular space around said block, means providing a fuel supply passage for supplying a combustible fuel mixture to said annular space and communicating therewith at an angle substantially tangential to the cylindrical face of said block, and a helical refractory block in the space traversed by said fuel mixture as it completes its circuit through said annular space and provided with a curved and sloping upper face acting to direct the course of the fuel mixture to a level entirely above that of the flow through said fuel supply passage, said helical block terminating in an end face in the same tangential relation to said cylindrical block as said fuel supply passage.

2,461,421
VANITY CASE AND THE LIKE
Winifred Jacobus, New York, N. Y.
Application December 5, 1945, Serial No. 632,913
3 Claims. (Cl. 132—79)



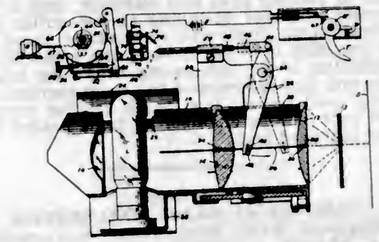
1. A vanity case comprising a box-like body, an always outwardly facing mirror serving as a cover for said body, and a connecting member permanently and hinged'y connected adjacent one end with said box-like body and adjacent an opposite end with the rear of said mirror and permitting said mirror to be raised and lowered, said connecting member being enclosed between the back of the outwardly facing mirror and said box-like body when the mirror is in closed position.

2,461,422
HELICOPTER ENGINE SUSPENSION
Robert W. Jenny, East Paterson, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application July 8, 1944, Serial No. 544,119
14 Claims. (Cl. 244—55)



1. In a helicopter, the combination of a fuselage provided with a pair of main spars constituting a structural part of the fuselage, an engine for driving the helicopter disposed with its nose section uppermost and located between the main spars, a pair of rotor drive shafts and journals therefor, one supported from each of the main spars, links connecting the inner ends of the drive shafts with the engine shaft, an open work skeleton mount for supporting the engine in position between and suspended on the main spars, said frame including a horizontally disposed mounting ring encircling and demountably secured to the nose section of the engine, a horizontally extending four-sided frame rectangular in plan in which the nose section is substantially centered, a post at each corner of the frame rigidly connected adjacent ends of the sides of the frame, bolts passing through the posts for supporting the posts from the main spars, and said frame also including diagonal braces connecting the mounting ring and frame and coacting therewith to provide a rugged internally braced mount capable of supporting the helicopter driving engine from the structural parts already in the fuselage, substantially without vibration.

2,461,423
PROJECTION APPARATUS FOR TRAINING MECHANISMS
Reynold B. Johnson, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application September 8, 1944, Serial No. 553,167. Divided and this application December 29, 1945, Serial No. 637,992
6 Claims. (Cl. 35—25)

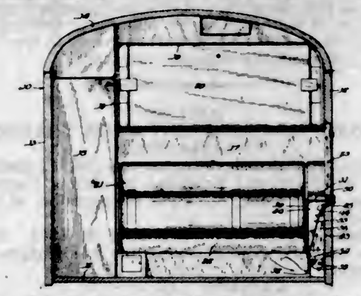


6. Punching instrumentalities of the character described comprising a hollow casing having a lens mounted at one end thereof, there being a relatively small axial bore extending through said lens and substantially concentric with the axis of the casing, a needle-like punch slidably disposed in said aperture and movable from a retracted position wherein one end thereof is positioned adjacent said lens to an advanced position wherein said end is projected to a point remote from the lens to penetrate a paper medium and create an aperture therein, means for reciprocating said punch, and means for projecting light through said lens for concentration by the latter upon the aperture created in the paper medium by said punch.

2,461,424
VEHICLE HEATING ARRANGEMENT
Basil E. Jones, Flossmoor, and Joseph R. Stanley, Chicago, Ill., assignors to The Pullman Company, Chicago, Ill., a corporation of Illinois
Application March 25, 1946, Serial No. 656,821
7 Claims. (Cl. 237—40)

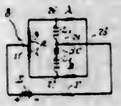
1. In a railway vehicle having a side wall, a room in the vehicle having a floor, a window for the room located in said side wall, a heating system for the room including a source of heat comprising a heating pipe coil disposed adjacent to said floor next to the side wall, a radiant heating panel spaced from the side wall beneath said window and enclosing said heating pipe coil, a radiant panel heating chamber behind said panel, a hot air flue behind said chamber having a base portion substantially full width of the space between the radiant panel and side wall and extending upwardly to a restricted outlet adjoining the window, a partition separating said heating

chamber and air flue, a plate member defining the rear wall of said flue, an opening to the hot air flue beneath said heating pipe coil to create a circulation of air over the coil, through the flue, and issuing from the outlet under said window, said panel heating chamber being heated from the hot air flue by means of a communicating opening therebetween, adjustable means controlling said opening for regulating the circula-



tion of hot air into said chamber, and a floor heating chamber including an air outlet grille substantially flush with the radiant panel and an air inlet opening beneath the grille for the admission of air circulating over said heating pipe coil and returned to the room through said grille, said hot air flue, panel heating chamber and floor heating chamber all being heated from said source of heat.

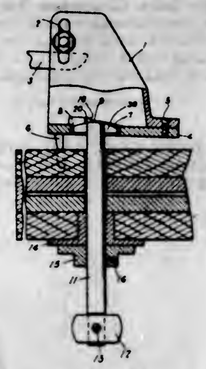
2,461,425
ELECTRICAL MEASURING SYSTEM
Frederick G. Kelly, West Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 25, 1946, Serial No. 643,283
18 Claims. (Cl. 177—351)



1. In a meter system comprising a ratiometer having two energizable coils: the combination of an electrical bridge comprising two parallel branches adapted for connection across a current source, an arm connected across said branches and comprising said coils in series, means included in said bridge for varying the potential drop across said arm, and means connected from a point in said arm between said coils to a junction of said branches for causing the currents in said coils to vary oppositely in response to variations in the potential drop across said arm.

2,461,426
SAFETY STRIKE PLATE AND RELEASE BAR
Vernon Merton King, Bakersfield, Calif.
Application February 10, 1947, Serial No. 727,677
2 Claims. (Cl. 292—340)

1. In a safety latching device for a refrigerator, a keeper, a latching plate attached to the keeper, lugs on one side of the plate adapted to extend into the wall of a refrigerator, said plate having a slot, inclined surfaces and raised flat surfaces on opposite sides of the slot, a bar passing through the plate and having at one end thereof a key adapted to ride on the inclined surfaces and rest on the raised flat surfaces to hold the plate against the refrigerator wall, a washer of rustless metal positioned in the wall of the refrigerator and encircling the bar, a washer of non-rust-

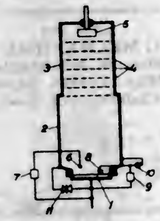


ing metal attached to the bar and engaging the first mentioned washer and a handle fixed to the bar.

2,461,427
TENSION ABSORBER
Lincoln Kneebone, Dundee, Ill.
Application March 9, 1946, Serial No. 653,379
1 Claim. (Cl. 173—322)

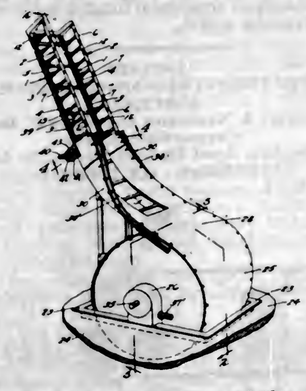
In combination with an electrical connection having cooperating male and female members and conduits leading therefrom, a tension absorber comprising a substantially linear flat strip of flexible insulating material, a hook at one end of the strip engaging the conduit leading from one of the members, said hook having a bight substantially equal to the diameter of the last mentioned conduit, a circular opening at the other end of the strip with the edges of the opening engaging the conduit leading from the other member, said opening having a diameter substantially equal to the diameter of the conduit leading from the other member, a slot extending from the opening to the marginal edge of the strip, the edges of said slot being spaced apart a distance less than the diameter of the last mentioned conduit, said strip being flexed longitudinally with said hook and the edges of the opening engaging said conduits and the resiliency of said strip causing said hook and the edges of the opening frictionally to grip said conduits by virtue of the resiliency of the material urging the strip to return to its original linear shape.

2,461,428
IGNITION DEVICE FOR IONIC VALVES
Uno Lamm, Ludvika, Sweden, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden, a corporation of Sweden
Application April 10, 1947, Serial No. 740,655
In Sweden April 11, 1946
8 Claims. (Cl. 250—27.5)



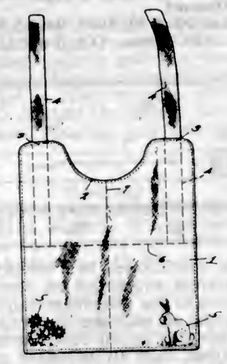
1. In ionic valves having an arcing cathode, an instantaneously acting igniter permanently adjacent to said cathode, a conductor insulated from said cathode and in contact with the ionized plasma occupying a current path of said valve, means, controlled by a potential difference between said conductor and said cathode, for forcing a current through said igniter, and means preventing a flow of current from the cathode to said conductor.

2,461,429
CONTINUOUSLY EXTENSIBLE, RETRACTABLE, AND COLLAPSIBLE STRUCTURE
Karl O. Larson, Minneapolis, Minn.
Application January 2, 1947, Serial No. 719,778
29 Claims. (Cl. 228—41)



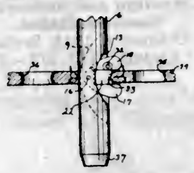
1. In an elongated structure of the class described, an elongated main member comprising a longitudinally-aligned plurality of rigid sections hinged together for movements on axes extending transversely of the structure, an elongated truss member generally parallel to the main member and comprising a longitudinally-aligned plurality of rigid sections, adjacent truss member sections being connected by joints permitting limited swivelling and universal swinging movements therebetween, said truss member sections being connected to adjacent main member sections by joints permitting limited pivotal movements on axes extending longitudinally and transversely of the structure, the centers of universal swinging movements of the joints between adjacent truss member sections being located in and movable in planes extending transversely of the structure and including the axes of joints between adjacent main member sections, the said joints between the truss member sections and main member sections allowing swinging movements of the truss member sections from operative truss-forming positions to inoperative collapsing positions wherein the centers of universal movements between truss member sections are aligned with hinge axes of main member sections.

2,461,430
COMBINATION GREETING CARD AND BIB
Theresa Gertrude Mack, Pennsauken, N. J.
Application July 10, 1945, Serial No. 604,152
1 Claim. (Cl. 2—49)



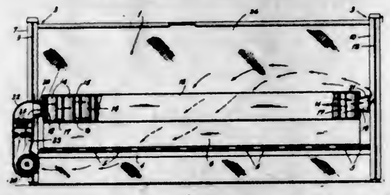
A combination greeting card and bib comprising a one piece rectangular fabric body including superposed folds made along lines respectively extending transversely and longitudinally of the body, there being a neck receiving recess formed in one end edge of the body and concealed by the folds, straps extending from said end edge at opposite sides of the recess and disposed within the folds, and means bonding said folds and straps comprising a soluble filler impregnated through all the folds and straps.

2,461,431
CHAMFERING TOOL
Theodore F. Millheam, Beloit, Wis.
Application October 8, 1945, Serial No. 620,954
4 Claims. (Cl. 77—73.5)

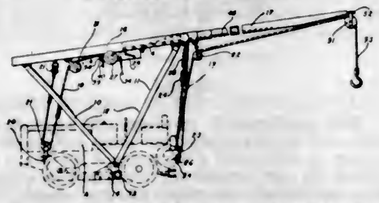


1. The combination in a chamfering tool of a rigid unitary body shaped for snug reception and rotation in a hole of a work piece having a free end and an end shaped for reception in a rotary and longitudinal movable driving means, said body having a slot extending longitudinally thereof intermediate its ends, a single cutter mounted in said slot having a first portion shaped to rest wholly within the slot for entry of said portion with the body into the hole to an initial position and a second portion projecting from said slot in said initial position to engage a face of the work

piece as the tool is moved farther into the hole from said first position, means for pivotally supporting the cutter for rotation on the body on an axis transverse to the body as the body is moved farther through the hole with said second portion engaging the side of the work piece to bring the first portion out of the slot to a position in which said portions straddle the edge of the hole, said cutter including a blade shaped to progressively cut the material of the work piece as the cutter rotates about said transverse axis.

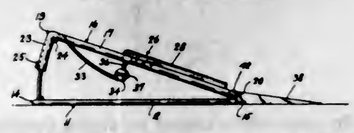
2,461,432
AIR CONDITIONING DEVICE FOR BEDS
Orville Mitchell, Dallas, Tex., assignor to John E. Mitchell Company, Dallas, Tex., a corporation of Missouri
Application May 22, 1944, Serial No. 536,741
10 Claims. (Cl. 5—284)

10. An air conditioned bed comprising a bedstead, a mattress supported on the bedstead in spaced relation to the floor on which the bedstead rests and having air passages therethrough, an air inlet at one end and an air outlet at the other end of said mattress, said air passages communicating with said inlet and said outlet, means providing walls carried by the bedstead in surrounding relation to the mattress and extending from the floor to a distance above the top surface of the mattress, a conduit communicating the space below the mattress and the mattress inlet, a blower in the conduit for drawing air from the space below the mattress and forcing it into the mattress inlet and through the passages in the mattress and out the outlet thereof, and means in the conduit for maintaining the temperature of the air forced therethrough at a substantially uniform temperature different from that of the surrounding atmosphere.

2,461,433
TELESCOPING TRACTOR BOOM
George B. Moulton and Arthur C. Moulton, Newfield, Maine
Application October 1, 1945, Serial No. 619,594
3 Claims. (Cl. 212—8)



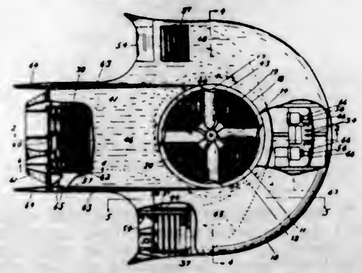
1. A boom of the character described for carriage upon a tractor, comprising fore and aft truss frames swingingly rising from said tractor, telescopically interfitted sections forming an extensible boom and having one section thereof fixed to the frames, a loading rope movably carried by such sections, means for moving one of the sections with respect to the other of said boom, the last mentioned means comprising a rack formed on the lower surface of the last mentioned section, and a gear mounted in a gear box coacting with said rack, said gear box being mounted on the section fixed to said frames, and means for swinging the frames to selected positions on the tractor.

2,461,434
FOLDING MECHANICAL PILLOW
Eunice Moyers, Washington, D. C.
Application May 24, 1944, Serial No. 537,118
3 Claims. (Cl. 5—71)



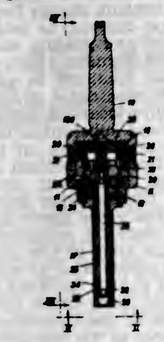
1. An adjustable supporting device for use in beds, comprising a base, a frame hinged at its forward end to the forward end of the base to be inclined angularly with respect thereto, means for adjustably supporting the frame on the base, a head rest having an open center and an open end toward the hinge connection between the frame and base, a forwardly and downwardly curved V-shaped bracket connected with the back end of the frame and extending forwardly toward the hinge connection between the frame and base, a ball-and-socket pivotal connection between the forward end of the bracket and the back of the head rest, the socket member of said connection being carried by the bracket, and an upstanding arm fixed to the ball member of said connection and to the head rest, and means adapted to hold the ball against accidental turning movement with relation to the socket.

2,461,435
FLUID PROPELLED AND CONTROLLED AIRCRAFT
Charles A. Neumann and Hugo H. Baca, Corpus Christi, Tex.
Application April 19, 1945, Serial No. 589,184
7 Claims. (Cl. 244—12)



1. An aircraft of the character described having a substantially vertical power well; a pair of propellers mounted in the upper and lower portions of the well and rotatable in opposite directions to create the air stream for propelling the craft; directional control means for the air stream in the bottom portion of the well; means connected and arranged to divert portions of the air stream laterally and to discharge them rearwardly on opposite sides of the craft; and adjustable control means connected to direct the discharge of the diverted streams in such manner as to control the lateral stability of the craft.

2,461,436
CUTTING TOOL
Arthur Offen, South Nutfield, England, assignor to Offen & Company Limited, South Nutfield, England, a British company
Application September 10, 1945, Serial No. 615,317
In Great Britain November 17, 1944
4 Claims. (Cl. 77—58)



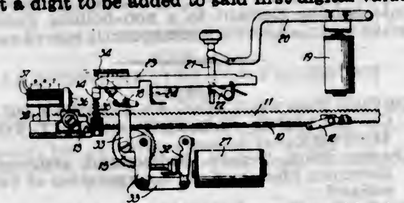
1. A boring-tool comprising the combination of a tubular cutter-bar having a transverse slot at its outer end to accommodate within it a substantially radially projecting and adjustable cutter and terminating at its inner end in a screw-threaded recess, locking-means for the cutter comprising an axially movable sleeve located within the cutter-bar with its outer end presented to the slot in which the cutter is received to be operatively engaged at its outer end with the cutter, a clamping-nut threaded into said recess to engage the inner end of the sleeve, an endwise movable setting-rod extending longitudinally within the sleeve to engage the cutter and a micrometer-head in axial alignment with and in screw-threaded engagement with the clamping-nut, a part of said micrometer-head engaging the inner end of the setting-rod to move it at least in a direction towards the cutter.

2,461,437
MANUFACTURE OF NITRILES
Peter Oxley, Thomas David Robson, Adolf Koebner, and Wallace Frank Short, Nottingham, England, assignors to Boots Pure Drug Company Limited, Nottingham, England, a company of Great Britain
No Drawing. Application October 22, 1945, Serial No. 623,880. In Great Britain November 6, 1944
4 Claims. (Cl. 260—465)

1. A process for the production of nitriles of the general formula $R.SO_2.C_6H_4.CN$ from substituted benzoic acids of the general formula $R.SO_2.C_6H_4.COOH$, where R is a lower alkyl group, which comprises the step of heating the acid with a sulphonamide at atmospheric pressure and to a temperature from about 220° C. to about 240° C. for a period not exceeding about two hours.

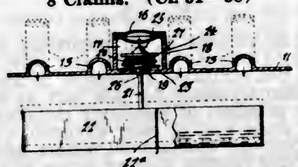
2,461,438
RECORD CONTROLLED ACCOUNTING MACHINE
Ralph E. Page, West Orange, and Horace S. Beattie, East Orange, N. J., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 15, 1944, Serial No. 526,632
6 Claims. (Cl. 235—61.6)

1. In an apparatus of the class described, a set of relay magnets energized to represent a digital entry therein, contacts controlled by said magnets, an adding network arranged in accordance with the table of addition, means controlled by said contacts for adjusting said network in accordance with the digital value entered in said set of relay magnets, means settable to represent a digit to be added to said first digital value,



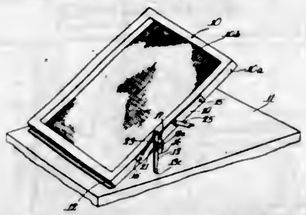
means controlled thereby for clearing said set of relay magnets, further separate means concurrently controlled thereby and including said adjusted network for selectively energizing the magnets of said set of relay magnets in accordance with the units digit of the sum of the two digits, and means for retaining said selected magnets energized.

2,461,439
ALARM DEVICE FOR MILKING MACHINES
Albert G. Perkins, Warsaw, N. Y.
Application June 23, 1944, Serial No. 541,681
8 Claims. (Cl. 31—58)



1. A device of the character described, comprising a body having a chamber formed therein and a valve-controlled port at one end thereof, a vacuum-operated alarm device fitted in said chamber, a stem extending through said port for movement axially thereof and having valve portions at its upper end in operative relation to and between said alarm device and said port, a spring applied to said stem for normally urging it in a direction to bring one of its valve portions into valve-closing relation with the alarm device and its other valve portion into valve-opening relation with said chamber-port, and a receptacle applied to the lower end of said stem and having a drain passage therein.

2,461,440
HOLDING DEVICE
Wesley Petty, Effingham, Ill.
Application July 19, 1945, Serial No. 605,889
13 Claims. (Cl. 248—195)



1. A mechanism for releasably holding one member in a set position relative to a second

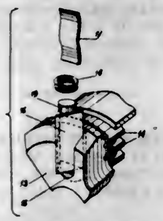
member which is biased toward said one member, comprising a holding element pivotally supported for gravity pull actuation to a holding position in response to relative movement of said members apart, and means responsive to said relative movement followed by partial relative movement of said members toward each other for rotating said holding element to a non-holding position when said members are subsequently moved apart.

2,461,441

DEVICE FOR SECURING AN ELEMENT OF AN OSCILLATING ELECTRIC CIRCUIT TO A SUPPORT

Charles Piton, Geneva, Switzerland, assignor to Hermann Thorens S. A., a corporation of Switzerland

Application November 19, 1946, Serial No. 710,786
In Switzerland August 19, 1944
6 Claims. (Cl. 174—138)



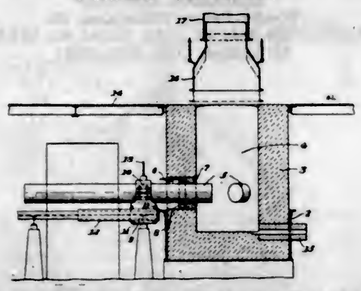
3. In an element of an oscillating electrical circuit, said element having a part provided with at least two elongated grooves of dovetail cross section and a support for said part, at least two securing members of insulating material of triangular cross section, each mounted with play in a groove for longitudinal sliding movement, a connecting member connecting one end of each securing member to said support, and a cambered blade spring located in each groove between the securing members therein and the bottom of the groove between the securing members therein and the bottom of the groove to press the securing member against the lateral faces of the groove in a manner to prevent movement of said members in said grooves in directions perpendicularly to the axis of sliding.

2,461,442

PROCESS OF MAKING FERRO-ALLOYS

Lawrence G. Pritz, North Canton, Ohio, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio, a corporation of Ohio

Application November 25, 1944, Serial No. 565,111
2 Claims. (Cl. 75—11)



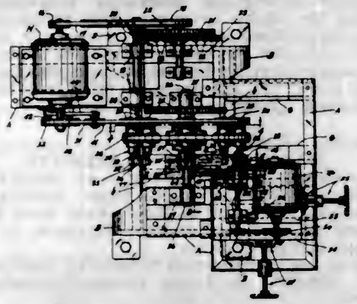
1. The process of making ferro-alloys of iron and an alloying metal in an electric furnace having a chamber and electrodes extending laterally into the chamber and terminating at a substantially common level therein, which comprises making up a charge in loose pervious condition and consisting of the constituent materials in admixture, charging the furnace therewith, initially raising a portion of the charge to reaction temperature and thereafter providing substantially the entire heating energy for the process by supplying electric current to said laterally extending electrodes and passing said electric current through the furnace charge, maintaining the reaction zone localized in and around the inner ends of the electrodes whereby the ferro-alloy is formed in a localized zone and gases are evolved, but without substantial volatilization of the alloying metal, drawing off the ferro-alloy in molten state from the bottom of the furnace chamber without supplying any substantial amount of heat thereto from any other source, passing the evolved gases upwardly through the overlying charge material, supplying fresh charge material above the level of the reaction zone as the operation proceeds and at all times maintaining a layer of charge material in the furnace above the reaction zone, which layer completely covers those parts of the electrodes lying within the vertical confines of the reaction zone and extends uninterruptedly over the area defined by the vertical projection of those confines.

2,461,443

PIPE BOWL TURNING MACHINE

Julius L. Rettke and Edmund H. Otto, Washington, Mo., assignors to Missouri Meerschaum Company, Washington, Mo., a corporation of Missouri

Application October 6, 1944, Serial No. 557,509
8 Claims. (Cl. 144—47)



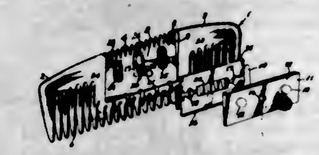
1. A pipe bowl turning machine including a motor, a rotary disc driven thereby through an interposed train of speed reduction gearing, a circular series of rotatable spindles journaled on the disc, means for driving a selected number of said spindles at a high velocity, said means including a belt engageable with pulleys rigid with said spindles, mechanism adapted to maintain said belt taut and simultaneously clear of the pulley of each spindle upon reaching a particular point, rotary cutter mechanism including a pair of spaced circular saws independently driven at a high rate of speed by a second motor, means whereby the cutter mechanism together with its source of power may be properly positioned relative to said spindles, pivotally mounted and resiliently supported burnishing apparatus, means for adjusting its position relative to said spindles, and mechanism activated by cams formed on one gear of said speed reduction gearing adapted to eject the finished bowls from the machine.

2,461,444

HAIRCUTTING COMB

Sanford E. A. Sanders, Los Angeles, Calif., assignor to Sta-Neet Corporation, a corporation of California

Application June 8, 1946, Serial No. 675,375
5 Claims. (Cl. 30—31)



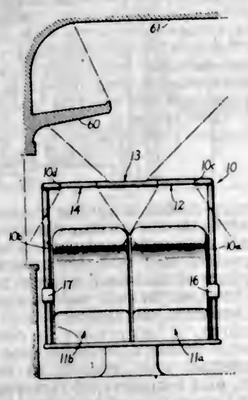
1. A hair trimmer and comb comprising a comb having teeth and having a razor blade recess extending across said teeth, said recess having end walls extending parallel to the length of said teeth, a blade holder slidably fitting in said recess between said walls, and means for adjusting said blade holder in said recess lengthwise of said teeth to vary the cutting relation of the blade with said teeth.

2,461,445

LIGHTING APPARATUS

Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware

Application September 20, 1944, Serial No. 554,870
12 Claims. (Cl. 240—7.1)



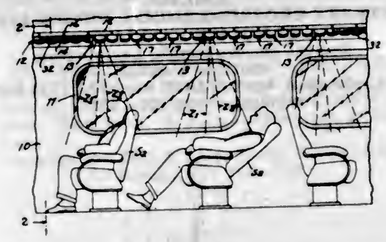
1. In lighting apparatus, in combination, a pair of frame members extending upwardly from the arms of a pair of railroad car seats in alignment with the backs of said seats, thence extending forwardly and then inwardly toward each other, three lighting fixtures mounted between the upper ends of said frame members, each of said lighting fixtures including a rigid frame construction with end brackets and with parallel longitudinal members which provide a space for an illuminator and also including a reflector positioned either above or below the space for said illuminator with the side opposite said reflector being adapted to transmit light rays, two of said lighting fixtures having the rays of light therefrom directed downwardly upon the seats positioned therebeneath, individual switch means operable by the occupant of a seat for controlling the operation of each of said last-mentioned fixtures, the third fixture having the light rays therefrom directed upwardly to illuminate the upper portions of the car, and switch means operable by a member of the train crew for controlling the operation of said last-mentioned fixture.

2,461,446

LIGHTING FIXTURE FOR PASSENGER VEHICLES

Lindsley Schepmoes, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware

Application September 23, 1944, Serial No. 555,519
9 Claims. (Cl. 240—7.1)



7. In railway car construction, the combination of: a plurality of parallel horizontal rail members each secured at one end to the car wall and projecting outwardly therefrom with the space between each rail member and the next being substantially less than the width of the rail members so as to form a baggage rack; each of said rail members including, an elongated inverted channel member having a top flat wall and downwardly depending side walls, and a cover member snugly embracing the side walls of the channel member and extending across the bottom thereof, and one of said rail members having an opening in its cover member; a longitudinal rail member extending parallel to the said car wall and along the ends of said parallel rail members opposite to said car wall and attached to said parallel rail members; and lighting fixture means mounted within the rail member having an opening therein and comprising, a downwardly concave elongated reflector, and a trough-like lens member positioned beneath said reflector and providing space for an elongated illuminator tube.

2,461,447

YIELDING DRIVE

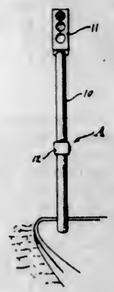
William M. Siesel, Morrisville, Pa.; Josephine M. Siesel executrix of said William M. Siesel, deceased

Application June 30, 1943, Serial No. 492,973
1 Claim. (Cl. 64—29)

In a torque limiting device having a driving member and a driven member rotatably mounted with respect to each other, the combination of a

cup-shaped member with an aperture in the bottom of the cup, a drum shaped member seated in said cup and engageable through said aperture and having cam projections on its periphery, a closure plate for said cup, a plurality of bolts extending through the interior of said cup and arranged and adapted to secure said closure plate to the cup, a spring having end portions engaged between interior portions of the cup and intermediate portions of said bolt members, said intermediate portions providing abutments in the cup, and said spring being normally disposed with its projection engaging surface approximately along a geometrical chord of the rotational path of said projections.

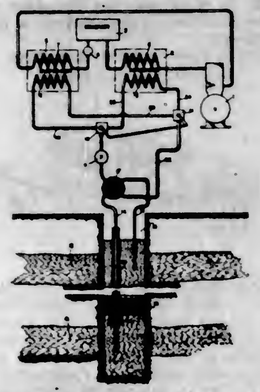
2,461,448
STREET CROSSING SIGNAL DEVICE FOR BLIND PEDESTRIANS
Everett Manley Smith, Leamington, Ontario, Canada
Application April 2, 1947, Serial No. 738,898
9 Claims. (Cl. 177—337)



1. A device for transmitting signals by sense of touch comprising a casing adapted to be mounted within human reach, signal means external of said casing adapted to be sensed by the touch, means for urging said signal means to a predetermined normal position, means internal of said casing for actuating said signal means from said normal position to at least one other predetermined position, each of said predetermined positions of said signal means being related to a predetermined signal whereby said predetermined signals can be transmitted by touching said signal means.

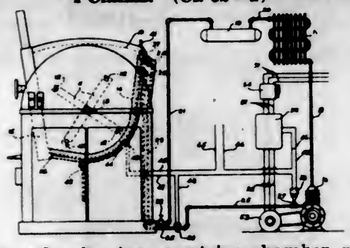
2,461,449
HEAT PUMP USING DEEP WELL FOR A HEAT SOURCE
Marvin M. Smith, Muncie, Ind., and Emory N. Kemler, Birmingham, Ala., assignors to Muncie Gear Works, Inc., Muncie, Ind., a corporation of Indiana
Application October 14, 1946, Serial No. 703,264
7 Claims. (Cl. 62—129)

1. A water circulating system comprising a well bore extending into a subterranean water stratum and having upper and lower sections containing water of different temperatures, a water circuit leading from and returning to said well bore and including a conduit which extends into the lower of said sections and a second conduit which terminates in the upper of said sections, insulating means carried by and surrounding that portion of the first conduit passing through the upper of said sections, a pump, and means connecting said conduits and said pump arranged to take water



through one conduit and return such water through the other conduit.

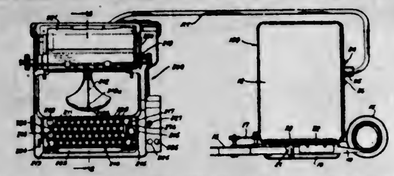
2,461,450
REFRIGERATING MEANS FOR DOUGH MIXERS
Merlin A. Sticelber, Kansas City, Mo., assigner to Quik-Seal, Inc., a corporation of Missouri
Application March 24, 1945, Serial No. 584,677
4 Claims. (Cl. 62—1)



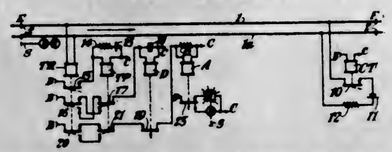
1. In a dough mixer, a mixing chamber, rotatable beater arms in said mixing chamber for contacting dough with a wall of said chamber, and means for cooling said wall comprising a jacket on the outer face of said wall, a liquid heat transfer medium confined in said jacket, a cooling coil within said jacket in engagement with said heat transfer medium, a compressor, a condenser, a receiver, conduit means connecting said coil, compressor, condenser and receiver in series in a closed circuit, and temperature responsive means controlling the operation of said compressor, having a temperature responsive controlling element extending into said jacket, said temperature responsive element being located in said liquid heat transfer medium remote from said wall and being exposed only thereto, said heat transfer medium being principally in heat transfer relation to said coil and wall.

2,461,451
SIGNAL-CONTROLLED PRINTING APPARATUS
Henry L. Tholstrup, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 19, 1945, Serial No. 589,112
3 Claims. (Cl. 197—20)

2. In data printing apparatus, the combination of signal producing means operable to successively produce signals representing character data according to a predetermined code system; translating means responsive to the signal producing means and operable to establish circuit flow paths corresponding, respectively, to the character signals produced; printing means comprising means for holding a copy sheet in printing position, a plurality of type members operable, when actuated, to print corresponding characters on a copy sheet, a plurality of electrically responsive character actuators adapted to be energized by the establishing of corresponding circuit flow paths by said translating means and effective when so energized to actuate corresponding type members, and case shifting mechanism operable to adjust said printing means to first and second case positions; control means adjustable to operative and to non-operative conditions and effective when in its operative condition to effect continuing operation of said signal producing means and effective when in its non-operative condition to stop operation of said signal producing means; an electrically responsive control device operable when energized to adjust the control means to its non-operative condition; and selective contact means adjustable in response to said case shifting mechanism and effective when the latter occupies said first case position to electrically connect one of said circuit flow paths which corresponds to a predetermined character signal to its corresponding character actuator for energizing the latter and said contact means being effective when said case shifting mechanism occupies said second case position to electrically connect said one circuit flow path to said control device for energizing the latter.

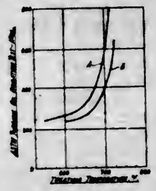


2,461,452
CODE DETECTING MEANS
Howard A. Thompson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 15, 1947, Serial No. 760,985
15 Claims. (Cl. 246—34)



1. In a coded track circuit system of signaling for a section of railway track having means for supplying coded energy to the track rails at one end of said section and having a code following track relay receiving energy from the track rails at the opposite end of said section, said code following track relay having contacts which are operated to a first position when said relay is energized and to a second position when said relay is deenergized, the combination with said track relay of: an auxiliary relay energized when said track relay contacts are in said first position and having contacts operable to a first position or second position according as said auxiliary relay is or is not energized, said auxiliary relay operating its contacts slightly out of step with its energization, two slow releasing controlled relays each having contacts closed in a first position when energized, an energizing circuit for a first of said two relays including in series contacts of said track and auxiliary relays and closed when said contacts are in corresponding positions, an energizing circuit for the second of said two relays including in series contacts of said track and auxiliary relays and closed when the contacts of said auxiliary relay are out of correspondence with the contacts of said track relay, a first position contact of one of said two controlled relays interposed in the energizing circuit of the other of said two controlled relays, and traffic governing means for said section controlled by said other controlled relay.

2,461,453
MANUFACTURE OF LUBRICATING OIL
Fred C. Toetticher, Fishkill, and John R. Coley, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 4, 1945, Serial No. 592,054
4 Claims. (Cl. 196—147)

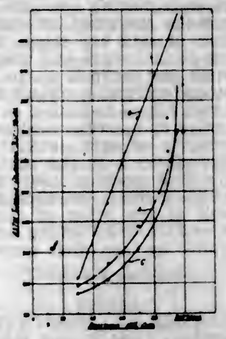


1. In the manufacture of turbine oils of superior emulsion resistant and oxidation stability properties the process that comprises first subjecting a lubricating distillate oil to treatments involving solvent refining and acid treating and neutralizing to thereby produce a product having emulsion resistant properties adapted for turbine oil, and then contacting the solvent-refined and acid-treated and neutralized oil with activated clay in a quantity amounting to not less than about 10% by weight of the oil treated at a temperature of 650–750° F. with a contact time of about ½–1 hour to thereby effect reactions involving an increase in aromaticity and formation of structures which inhibit oxidation and causing increased oxidation stability without impairing the emulsion resistant property and produce a finished product having both the emulsion resistant and oxidation stability properties adapted for turbine oil.

2,461,454
MANUFACTURE OF LUBRICATING OIL
Fred C. Toettcher, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application May 4, 1945, Serial No. 592,055
2 Claims. (Cl. 196—147)

1. The method of improving the oxidation stability of lubricating oil of the pale oil type that comprises separating from the lubricating oil a minor fraction constituting the higher boiling portion thereof, treating the minor fraction with activated clay at a temperature upwards of 600° F. and not in excess of about 750° F. with a reaction time of the order of ½–2 hours to thereby effect reactions involving an increase in aromaticity and formation of structures which inhibit

oxidation, distilling off lower boiling constituents from the treated fraction to thereby concentrate the oxidation inhibiting constituents and blend-

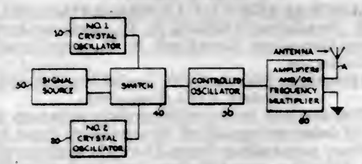


ing the resultant stripped product with the untreated major portion of the lubricating oil to produce a blended product of increased oxidation stability.

2,461,455
MANUFACTURE OF LUBRICATING OIL
Fred C. Toettcher, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 4, 1945, Serial No. 592,056
2 Claims. (Cl. 196—147)

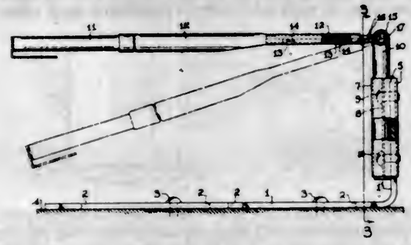
1. In the manufacture of lubricating oil of superior oxidation stability the process that comprises subjecting a distillate lubricating oil to treatment with a solvent selected from the group consisting of acetone and furfural to thereby form a raffinate fraction and an extract fraction characterized in being more susceptible of improvement in oxidation stability by catalytic treatment than the raffinate, treating the extract fraction with activated clay at a temperature of upwards of 600° F. and not in excess of 750° F. with a contact time of the order of ½–2 hours to thereby effect conversion into constituents which inhibit oxidation and blending resultant products of conversion containing the inhibiting constituents with distillate lubricating oil to thereby increase the oxidation stability thereof.

2,461,456
FREQUENCY SHIFT KEYING
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 11, 1944, Serial No. 521,907
15 Claims. (Cl. 250—8)



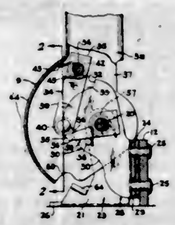
6. In a frequency shift telegraphy system, an oscillator of controllable frequency operating to generate oscillations of a first frequency, an oscillator operating at a second and substantially fixed frequency, an electron discharge tube coupling the last mentioned oscillator to the first mentioned oscillator, for entraining the first oscillator by the second oscillator, a source of currents representing two signalling conditions, and connections from said source to said tube to control the coupling through the tube from the second oscillator to the first oscillator in accordance with currents from said source.

2,461,457
DRAPERY CRANE
Henry Weber, Cleveland, Ohio, assignor of one-fourth to Harry A. Hildebrand, Brunswick, Ohio
Application April 16, 1947, Serial No. 741,871
5 Claims. (Cl. 211—105.1)



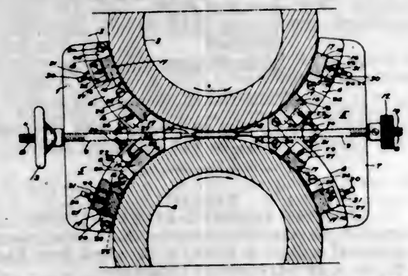
1. A drapery crane comprising a bracket having a relatively right-angular end extension, a resilient member of channel cross-section welded adjacent one edge to the end extension and having an inner concave portion forming a bearing intermediate its edges, a rod rotatably mounted at one end in the bearing and having an opposed bearing on a face of the end extension, means for releasably securing the rod in the channel and to permit the turning of the rod to a selective rotative position, a pin mounted in the other end of the rod, and a cantilever drapery carrier pivotally mounted at one end on the pin to turn in a plane at right angles to the plane of rotative movement of the rod.

2,461,458
HANDLE CONTROL FOR SUCTION CLEANERS AND THE LIKE
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application September 23, 1947, Serial No. 775,615
25 Claims. (Cl. 306—13)



1. In combination, an ambulatory tool, an operating handle therefor, means for pivotally securing said handle to said tool, said last mentioned means including means for permitting movement of the handle with respect to said tool through a tool operating range and a non-operating range, means for automatically and positively locking said handle at one extreme of said operating range against return into the operating range, and means automatically operable to release said locking means upon movement of said handle into said non-operating range.

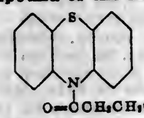
2,461,459
ROLL GRINDER AND POLISHER
William Henry Wilkes, Florence, N. J., assignor to Wm. R. Thropp & Sons Co., Trenton, N. J., a corporation of New Jersey
Application August 6, 1946, Serial No. 688,789
10 Claims. (Cl. 51—252)



1. In a portable grinding or polishing device for rolls, a pair of carriers adapted to be positioned at respectively opposite sides of the bite of a pair of rolls and having arcuate support portions arranged substantially to conform to the curvature of the rolls, and means associated with said carriers and arranged to extend between said rolls to support the carriers relative to the rolls.

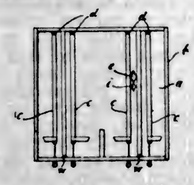
2,461,460
N-ACYLPHENOTHIAZINES
Philip S. Winnek and Herman Eldridge Faith, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo., a corporation of Delaware
No Drawing. Application December 22, 1945, Serial No. 637,121
4 Claims. (Cl. 260—243)

1. The compound of the formula



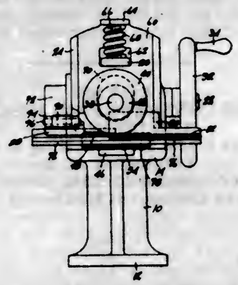
2. The process for producing n-carboxyacylphenothiazines which comprises reacting phenothiazine with a dicarboxylic acid anhydride.

2,461,461
FLOATING BODY GAME APPARATUS
Ralph Dawson Young, Morden, England
Application September 18, 1945, Serial No. 617,086
In Great Britain October 25, 1944
5 Claims. (Cl. 273—138)



1. Game apparatus comprising a vessel containing liquid, a primary floating body of thin flat form with means at one end to be engaged by a manually actuated boat-hook or the like enabling the body to be drawn across the liquid, and having an upstanding portion at the other end of the primary floating body sufficiently high to accentuate surface tension at said other end to attract a second floating body, and one or more secondary floating bodies for adherence to the first by surface tension.

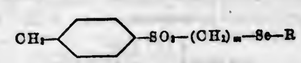
2,461,462
LEATHER SKIVER
Otto E. Zahn, Penn Township, St. Joseph County, Ind.
Application April 30, 1948, Serial No. 24,219
10 Claims. (Cl. 12—17)



1. A leather skiver comprising a frame, a work feed roll rotatable on said frame, a guide shiftable vertically on said frame, spring means urging said guide upwardly; a carrier slidable on said guide in a path below said feed roll and transverse of the axis of said feed roll, actuating means for rotating said roll and advancing said carrier simultaneously and at the same linear speed, and a skiving blade carried by said frame adjacent and above the path of said carrier with its cutting edge transverse of said path and adjacent to said feed roll.

2,461,463
TOLUENESULFONATES
Alfred W. Anish, Vestal, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,495
3 Claims. (Cl. 260—456)

1. A toluenesulfonate having the following general formula:

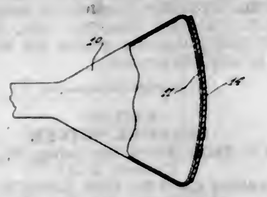


wherein R represents a member selected from the class consisting of benzene and naphthalene series, and *m* represents a positive integer ranging from 2 to 3.

2,461,464
FILTER FOR FLUORESCENT SCREENS
Robert Aronstein, Brooklyn, N. Y.
Application November 14, 1947, Serial No. 785,903
2 Claims. (Cl. 250—164)

1. In a reproducing device of the type including a fluorescent screen upon which there is formed a light image the spectrum of which includes light in the yellow-orange region, means

for enhancing definition of said image comprising a sheet of transparent material interposed in the normal path of viewing of said screen and having substantially uniformly distributed col-



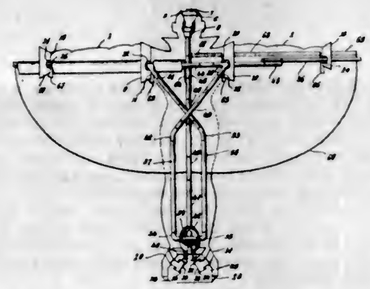
oring of a hue which selectively discriminates against light in the yellow-orange region of the spectrum of the light transmitted through said sheet.

2,461,465

FRAME CONSTRUCTION FOR KITES AND LIKE TOYS

Helga Marie Chu and Hing F. Chu, Larchmont, N. Y.

Application November 14, 1947, Serial No. 785,992
12 Claims. (Cl. 244—153)



1. An aerial toy comprising a cross-shaped minor airfoil having front and rear surfaces, a supporting frame, and a major airfoil, said frame being disposed against the minor airfoil on the rear surface thereof and having upper and lower end portions secured to the minor airfoil, said major airfoil being substantially semicircular in contour and having its straight edge portion secured to the upper end portion of the frame, and said major airfoil being located between the frame and the minor airfoil.

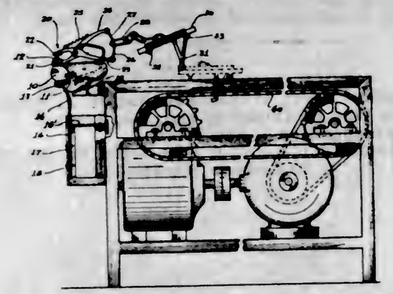
2,461,466

SKINNING MACHINE

Frederic J. Coad, Des Moines, Iowa; Gwendolyn Coad, administratrix of said Frederic J. Coad, deceased, assignor, by mesne assignments, to Swift & Company, Chicago, Ill., a corporation of Illinois

Application July 18, 1944, Serial No. 545,474
6 Claims. (Cl. 17—21)

1. A machine for pulling skin from a meat cut surrounding a bone having enlarged ends such as the humerus bone of a shoulder cut and the femur bone of a ham cut, comprising means to engage the bone of said cut at one of the enlarged ends of the bone, a clamping means adapted to be fixedly secured to the skin, pneumatically driven means to pull the clamping means away from said engaging means in a direction to pull the skin from the cut progressively from one end to



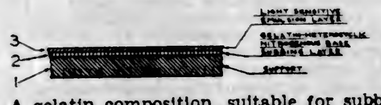
the other, and means to connect the pneumatically driven means to the clamping means.

2,461,467

GELATIN SUBBING COMPOSITION

Russell P. Easton, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application November 8, 1945, Serial No. 627,450
3 Claims. (Cl. 106—135)



1. A gelatin composition, suitable for subbing a photographic cellulose derivative film base, consisting of a small amount of water, a volatile organic solvent for said film base incapable of dissolving gelatin, and as a dispersing agent for the gelatin a hydrogenated heterocyclic nitrogenous base selected from the class consisting of N-methylmorpholine, pyrroline, pyrrolidine, piperidine, N-methylpiperidine, and 2-methylpiperidine.

2,461,468

SCOURING PAD

Nils Oskar Ellström, Aneby, Sweden, assignor, by mesne assignments, to Getram Company, Inc., New York, N. Y., a corporation of New York

Application December 26, 1945, Seri No. 637,234
In Sweden January 11, 1944
1 Claim. (Cl. 15—209)

A scouring pad, comprising a tubular knitted metallic fabric member, each end of said tubular member being rolled back annularly upon itself toward the central portion of said member so as to form two annular rolls or bodies joined by an intermediate piece of said tubular member, said annular bodies being angularly displaced relatively to one another, said intermediate piece of tubular member thereby forming an approximately helically twisted central portion and substantially flattened web-like portions flaring from said central portion and joining it to said annular bodies, one of said annular bodies being forced over the other annular body to the opposite side thereof, whereby the web-

like portion joining said firstnamed annular body to said central portion envelops the outer circumference of said second annular body, said second annular body being thereby retained between said web-like portion and said firstnamed annular body, and spot welds securing said annular bodies to one another along the inner circumference of said firstnamed annular body.

2,461,469

PHOTOGRAPHIC PROCESS FOR CONVERTING BLACK-AND-WHITE OR MONOCHROME PICTURES INTO MULTICOLOR PICTURES

Richard M. Haff, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original application August 31, 1944, Serial No. 552,209. Divided and this application May 18, 1946, Serial No. 670,849
10 Claims. (Cl. 95—2)

1. The process of producing subtractively colored photographic prints which comprises photographing a monochrome image onto a photographic light-sensitive silver-halide emulsion, developing the exposed emulsion to a negative, coloring certain portions of the negative which are to appear in color in said subtractively colored print with a dispersion comprising:

	Grams
15–35% aqueous solution of complex sodium borophosphate	50–100
Water soluble organic dye	1–10

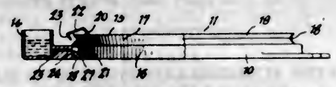
said water soluble organic dye in said dispersion being of a color, complementary to that which is to represent the corresponding colored portion in said print and coloring other portions of said negative with a dispersion as aforesaid in which the water soluble organic dye is of a color different from that of said first dispersion and complementary to that which is to represent the corresponding colored portion of said print, printing the resulting colored negative onto a photographic, multi-layer, light-sensitive emulsion, the layers of which are selectively sensitized to the red, green, and blue regions of the spectrum, each layer containing a color former capable of yielding a dye image complementary in color to that for which it is sensitized and developing the exposed layers by color forming development into a subtractively colored print.

2,461,470

SPINNING RING AND TRAVELER

Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York

Application December 3, 1945, Serial No. 632,319
4 Claims. (Cl. 57—120)



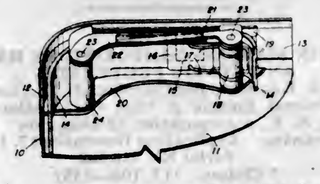
1. A device of the character described, comprising a spinning ring having a lower bearing face at substantially right angles to the ring-axis and an inner bearing face extending upwardly and outwardly from the inner edge of the lower bearing face in oblique fashion to the horizontal, and a traveler of substantially V-shape mounted on said ring and having the legs thereof terminating in oppositely-bent feet, one of the traveler legs and its foot, during the operation of the traveler, engaging flatwise and coextensively along the inner and lower bearing faces of the ring, respectively, in contiguous fashion, and the complementary traveler-leg and its foot being clear of the top portion of the ring and with the vertex of the traveler positioned outwardly of said inner bearing face.

2,461,471

LATERAL FILM EDGE PRESSURE SPRING

Carl H. Jacobson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application October 1, 1947, Serial No. 777,280
10 Claims. (Cl. 88—17)



1. In a continuous strip advancing device, retractable strip edge guide means comprising a pair of flat, elongated guide members, pivotally mounted respectively at points adjacent to and spaced along the path of strip advancement with each member extending toward the pivot of the other member, so as to swing across the plane of said strip between an operative strip edge engaging position and an inoperative retracted position; one of said members having a slot intermediate said pivots and the other member extending through said slot; the sides of the slot being aligned with the edges of said other member when the two members are in operative position, and flexing in opposite directions relative to said other member upon movement of said members about their pivots to retracted position.

2,461,472

GELATIN SUBBING COMPOSITIONS CONTAINING A MIXTURE OF FORMAMIDE AND GLYCEROL-α-CHLOROHYDRIN

Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 17, 1946, Serial No. 716,880
5 Claims. (Cl. 106—135)

1. A gelatin composition suitable for the subbing of a photographic film support, which comprises from 0.5% to 1.5% of gelatin dispersed in an organic solvent for said support by means of from 5 to 20% of a mixture of formamide and glycerol-α-chlorohydrin in the ratio ranging from 1:1 to 1:2 respectively.

2,461,473

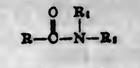
GELATIN SUBBING COMPOSITIONS HAVING ANTISTATIC PROPERTIES

Frank J. Kaszuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 17, 1946, Serial No. 716,881
7 Claims. (Cl. 106—135)

1. An anti-static gelatin composition suitable for the subbing of a photographic film support, which comprises a gelatin subbing composition containing from 0.5 to 1.5% of gelatin, from 1.33 to 15% of water, from 78 to 95.4% of a solvent

for said support, and 0.5 to 10% of an aliphatic amide of the following general formula:



wherein R is a member selected from the class consisting of hydrogen and an alkyl group of not more than 3 carbon atoms, R_1 is a member selected from the class consisting of hydrogen, an alkyl group of not more than 2 carbon atoms, and an alkylol group of not more than 2 carbon atoms, and R_2 is a member selected from the class consisting of hydrogen and an alkyl group of the same value as R_1.

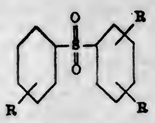
2,461,474

GELATIN SUBBING COMPOSITIONS HAVING ANTISTATIC PROPERTIES

Frank J. Kazsuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 17, 1946, Serial No. 716,882
7 Claims. (Cl. 106—135)

1. An anti-static gelatin composition suitable for the subbing of a photographic film support, which comprises a gelatin subbing composition containing from 0.5 to 1.5% of gelatin, from 1.33 to 15% of water, from 78 to 95.4% of a solvent for said support, and from 0.5 to 10% of a diphenylsulfone of the following general formula:



wherein R represents a member selected from the class consisting of hydrogen and an aliphatic radical of not more than 3 carbon atoms.

2,461,475

GELATIN SUBBING COMPOSITIONS CONTAINING ASCORBIC ACID (VITAMIN C)

Frank J. Kazsuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1946, Serial No. 717,095
5 Claims. (Cl. 106—135)

1. A gelatin composition suitable for subbing a photographic film support, which comprises from 0.5% to 1.5% of gelatin dispersed in from 94.5% to 98.5% of a solvent for said support by means of from 0.05% to 1.0% of ascorbic acid.

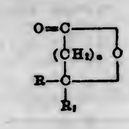
2,461,476

GELATIN SUBBING COMPOSITIONS CONTAINING LACTONES OR HYDROXY LACTONES

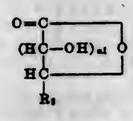
Frank J. Kazsuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1946, Serial No. 717,096
8 Claims. (Cl. 106—135)

1. A gelatin composition suitable for the subbing of a photographic film support, which comprises from 0.5% to 1.5% of gelatin dispersed in from 94.5% to 98.5% of a solvent for said support by means of from 0.05% to 1.0% of a compound selected from the class consisting of those of the following formulae:

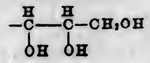


and



wherein R is a member of the group consisting of H, CH_3, and C_2H_5, R_1 is a member of the class consisting of H and CH_3, R_2 is a member of the group consisting of H,

and



n represents a numeral from 2 to 4, and n_1 represents a numeral from 2 to 3.

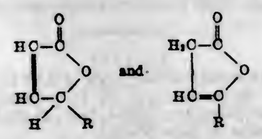
2,461,477

GELATIN SUBBING COMPOSITIONS CONTAINING AN UNSATURATED LACTONE

Frank J. Kazsuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 18, 1946, Serial No. 717,097
8 Claims. (Cl. 106—135)

1. A gelatin composition suitable for the subbing of a photographic film support, which comprises from 0.5% to 1.5% of gelatin dispersed in from 94.5% to 98.5% of a solvent for said support by means of from 0.05% to 1.0% of an unsaturated lactone selected from the class consisting of those of the following formulae:



wherein R is a member selected from the class consisting of hydrogen and methyl group.

2,461,478

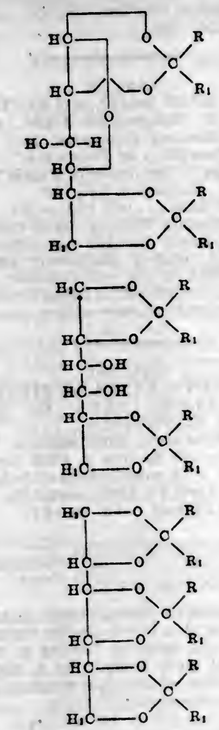
GELATIN SUBBING COMPOSITIONS HAVING ANTISTATIC PROPERTIES

Frank J. Kazsuba, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

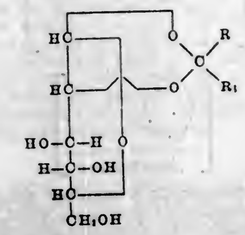
No Drawing. Application December 18, 1946, Serial No. 717,098
7 Claims. (Cl. 106—135)

1. An anti-static gelatin composition suitable for the subbing of a photographic film support, which comprises a gelatin subbing composition containing a member of the group consisting of

ketals and acetals of hexoses and hexitols of the following general formulae:



and



wherein R is a member selected from the class consisting of hydrogen and an alkyl group of 1 to 2 carbon atoms, and R_1 is an alkyl group of 1 to 3 carbon atoms.

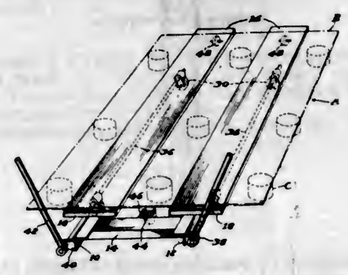
2,461,479

TEMPORARY SUPPORT FOR USE IN LOADING PALLETS OR THE LIKE

Alexander W. Moffat, Boston, Mass., assignor to Norman L. Cahners, doing business as Materials Handling Laboratories, Boston, Mass.

Application December 23, 1946, Serial No. 718,039
8 Claims. (Cl. 280—44)

1. A device for temporarily augmenting the compressive strength of a pallet or the like during operations of positioning and rigidifying a load of individual units thereon comprising a U-shaped frame, the legs of said U having parallelly extending top surfaces of substantial area, a series of rollers extending downwardly beneath each leg of said frame, said rollers being pivotally mounted on said frame for movement in vertical planes parallel to the base of said U from



positions relatively remote from said surfaces for supporting said frame with said surfaces at a predetermined level, furnishing support beneath spans of the platform of a pallet positioned over said device, to positions relatively adjacent said surfaces for permitting said surfaces to be lowered away from said platform and said device to be withdrawn from beneath said pallet on completion of a loading operation.

2,461,480

METHOD OF PREPARING LIGHT FILTER FOILS

Verne H. Reckmeyer, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application May 11, 1945, Serial No. 593,329
10 Claims. (Cl. 18—57)

1. The method of making a photographic light filter foil which comprises coating an aqueous solution of an organic film-forming material selected from the class consisting of gelatin, hydroxyethyl cellulose, polyvinyl alcohol, polyvinyl acetaldehyde acetal resins, and partially hydrolyzed polyvinyl acetate resins on a flat vitreous support resistant to hydrogen chloride, the coating side of said support having a smooth surface which has been treated with a composition comprising an organo-silicon halide in vapor form, causing the coated material to set and dry, and thereafter removing the dried foil from said support.

2,461,481

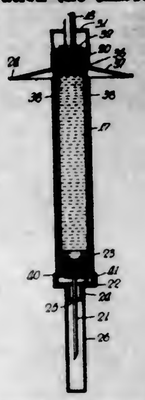
HYPODERMIC SYRINGE

Zbislaw M. Roehr, New York, N. Y., assignor to The Roberts Manufacturing Company, New York, N. Y., a partnership

Application May 26, 1944, Serial No. 537,378
3 Claims. (Cl. 128—218)

1. A surgical syringe comprising a barrel having a hypodermic needle bearing cap upon one end thereof, a plunger rod through the other end thereof, a cartridge in the barrel interposed between the plunger and the cap, said cartridge having a rubber plug normally spaced from said cap, the inner end of the needle being normally

embedded in said rubber plug, whereby in the initial plunger operation the embedded needle end



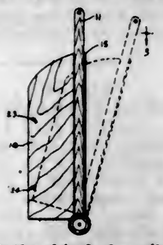
will penetrate through the entire thickness of the rubber plug.

2,461,482

COLLAPSIBLE WHEELED CONTAINER

Victor P. Schaus, Jackson Heights, N. Y., assignor to Howe Folding Furniture, Inc., New York, N. Y., a corporation

Application July 28, 1945, Serial No. 607,531
3 Claims. (Cl. 280—36)



1. A device of the kind described comprising a pair of support members interconnected at the top by a bar adapted to serve as a handle each support member carrying an axle, and wheels supported on said axles respectively, a back panel for a closure mounted between said support members, a cross piece extending across the front of said panel in a plane parallel and adjacent to said back panel, and a two-part panel member hingedly supported at its lower end on said cross piece, the two parts of said member being hingedly connected and consisting of a relatively short bottom portion adjacent said back panel and a longer front portion hingedly related to said shorter portion along its edge remote from its connection to said back panel, a pair of side panel members hingedly secured to said support members respectively said members being of a width substantially equal to the length of the shorter portion of said two-part member, said two-part portion being adapted when in folded, inoperative position to lie in a unitary plane parallel and adjacent to said back panel and when unfolded to coact with said back and side panels to form a closure, said side panels being movable from a folded position in which they overlie said folded two-part member to a position in which they form the sides of said closure, and means carried by said side members for engaging the said portions of said two-part member respectively to control the position thereof when the device is unfolded, thus forming a closure the side members of which are automatically moved to open operative position by the unfolding of said two-part portion.

2,461,483

OIL BASE DRILLING FLUID

Edward S. Self, Bakersfield, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 7, 1944, Serial No. 525,439
7 Claims. (Cl. 252—8.5)

1. A non-aqueous drilling fluid comprising a mineral oil, a finely divided solid material suspended therein, and a stabilizing agent in an amount sufficient to prevent substantial separation of said solid material formed by the reaction of an alkali metal silicate with a soap forming fatty acid.

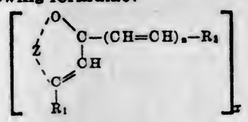
2,461,484

PYRYLIUM DYE SALTS AS FILTER AND ANTIHALATION DYES IN PHOTOGRAPHIC MATERIALS

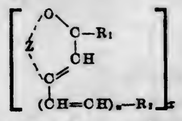
Thomas R. Thompson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application April 17, 1945, Serial No. 588,850
9 Claims. (Cl. 95—9)

1. A light sensitive photographic element comprising a base and a silver-halide emulsion carried thereby, said element having a water-permeable colloidal layer containing a dispersion of a pyrylium dye salt of the class consisting of those of the following formulae:



and



wherein R_1 represents a member selected from the class consisting of hydrogen, alkyl, and aromatic groups, R_2 is an aromatic radical, Z represents the atoms necessary to complete a pyrylium ring structure, X represents an acid radical, and n represents a member selected from the class consisting of 0, 1 and 2.

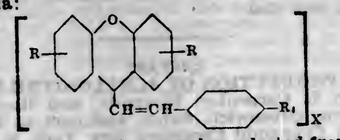
2,461,485

XANTHYLIUM DYE SALTS AS FILTER AND ANTIHALATION DYES IN PHOTOGRAPHIC MATERIALS

Thomas R. Thompson, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application June 21, 1945, Serial No. 600,692
7 Claims. (Cl. 95—9)

1. A light sensitive photographic element comprising a base and a silver-halide emulsion carried thereby, said element having a non-gelatin water-permeable colloidal layer containing a dispersion of a xanthylium dye salt having the formula:



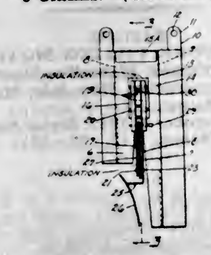
wherein R represents a member selected from the class consisting of hydrogen and hydroxy groups, R_1 is a member selected from the class consisting of alkoxy, alkylamino and dialkylamino groups, and X represents an acid radical.

2,461,486

COIN ACTUATED ELECTRICAL SWITCH

Harold B. Vroom, Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

Application October 11, 1946, Serial No. 702,675
6 Claims. (Cl. 194—9)



1. A coin actuatable electric switch comprising a downwardly extending coin passageway, electric circuit closing means comprising a movable member having a contact surface adapted to be moved into circuit closing position by the weight of a coin, a movable insulating member normally covering said surface and adapted to be moved away from surface by the weight of a coin, and means on said members extending into said passageway for causing sequential operation of said members by a coin dropped through said passageway.

2,461,487

HOLDER FOR THERMIONIC VALVES AND LIKE ELECTRICAL DEVICES AND MEANS FOR SECURING IT TO SUPPORTS

George Wagstaff, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.

Application February 28, 1945, Serial No. 580,252
In Great Britain March 20, 1944
3 Claims. (Cl. 173—339)

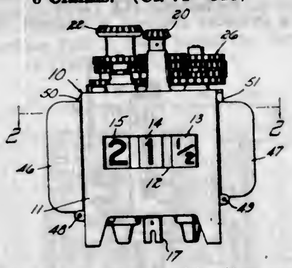
1. In combination with an electrical socket body for thermionic valves and like electrical devices which socket body is provided at one end with a flanged rim and a plurality of circumferentially spaced peripherally opening recesses extending below said rim and terminating short of an opposite end of said body; a holder for securing said body in an apertured support comprising a radially expandable split resilient annulus adapted to be expanded and slipped over an end of the socket body and provided with inwardly extending radial projections adapted to extend into the peripheral recesses in said body, and a sinusoidal ring adapted to surround said body and be supported by said annulus between it and a support on which said socket is mounted.

2,461,488

PRICE WHEEL SETTING MECHANISM

Otto Wild, Jr., West Hartford, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut

Application November 15, 1946, Serial No. 709,957
8 Claims. (Cl. 74—348)



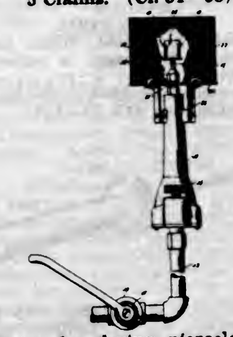
1. In a variator, the combination comprising a rotatable shaft, a gear longitudinally slidable but non-rotatably mounted on said shaft, a longitudinally movable lever arm arranged to slide said gear longitudinally on the shaft, a plurality of spaced number wheels, a pinion for driving one of said wheels in line with a pinion for driving the second of said wheels, a rack member extending between said pinions and having teeth in mesh therewith, and means for slidably holding said rack member in non-pivoting position, said rack member having an opening through which is received said lever arm, whereby the longitudinal position of said gear is indicated by said number wheels.

2,461,489

CRYSTAL DRIER

John M. Wolfskill, Erie, Pa., assignor to Bliley Electric Company, Erie, Pa., a corporation of Pennsylvania

Application November 17, 1944, Serial No. 563,966
5 Claims. (Cl. 34—58)



1. A device for drying piezoelectric crystals after washing, which comprises, a high speed mo-

tor having a shaft extending vertically upward-

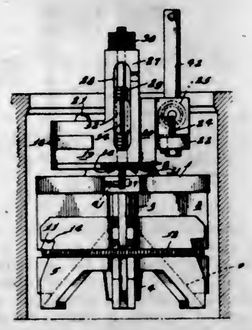
sion in a liquid medium, said particles having a

recess extending from end to end of each of the rails, and a slot extending from said recess to the

tor having a shaft extending vertically upwardly therefrom, a crystal carrier mounted on said shaft, said crystal carrier having upwardly extending wire loops forming a recess for receiving said crystal to provide substantially unobstructed paths for liquid thrown from the surfaces of said crystal by centrifugal force, said loops being positioned to hold said crystal with its major surfaces substantially in vertical planes and with the axis of said shaft passing through said crystal.

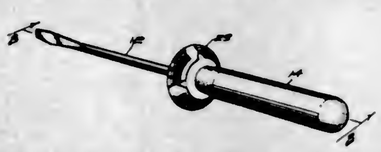
2,461,490
CYLINDER RIDGE REAMER
Herbert A. Berkman, Chicago, Ill., assignor to Zim Manufacturing Company, a corporation of Illinois
Application May 13, 1948, Serial No. 26,857
6 Claims. (Cl. 77—2)

1. In a cylinder reamer, a support, means to



secure said support in an engine cylinder at a substantial distance from a ridge to be reamed, a member mounted on said support for rotary movements about the axis of the cylinder, a carrier for a cutting tool movable up and down on said member parallel with said axis, a screw on said member connected with the device to raise and lower it, a horizontal star wheel fixed on said screw near said support, a vertical star wheel on said member meshing with the first star wheel and adapted to turn the same, and a radial ledge on said support in the path of said vertical star wheel to turn the same through one step during each revolution of said member.

2,461,491
TORQUE TOOL
Ralph E. Booth, Mansfield, Mass., assignor to Apco Mossberg Company, a corporation of Massachusetts
Application August 27, 1946, Serial No. 693,206
3 Claims. (Cl. 73—139)

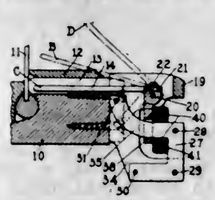


1. A torque tool comprising two relatively rotatable members, elastic resilient means resisting said relative rotation and serving to return said members to normal after relative rotation therefrom, an embracing dial carried by one of said members, a plurality of like scales at different locations on said dial and a plurality of pointers comprising one for each scale fixed to said other member and each movable over a scale as relative rotation of said members occurs whereby a reading may be had at any one of a plurality of different locations circularly about said dial.

2,461,492
PRODUCTION OF ACRYLONITRILE
Erwin L. Carpenter, Riverside, and Harold S. Davis, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 19, 1946, Serial No. 655,610
2 Claims. (Cl. 260—465.9)

1. A method of producing acrylonitrile which includes feeding ethylene cyanohydrin in liquid phase to a dehydrating zone heated to a temperature range of from 160° C. to 275° C., said zone containing an alkali forming metal salt of an organic acid as an ethylene cyanohydrin dehydration catalyst, removing acrylonitrile and water from said zone, and recovering the acrylonitrile.

2,461,493
LOOM FORK FILLING MOTION
George E. Clentimack, Plainville, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 4, 1947, Serial No. 777,981
14 Claims. (Cl. 139—375)



1. A filling fork structure for a loom including, in combination: a fork tine, and means including periodically active interacting magnetic field producing means for actuating said tine.

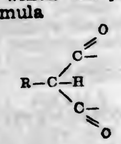
2,461,494
METHOD AND COMPOSITION FOR FLAW DETECTION
Taber de Forest, Chicago, Ill., assignor, by mesne assignments, to Robert C. Switzer, South Euclid, Ohio, and Joseph L. Switzer
No Drawing. Application May 7, 1945, Serial No. 592,531
13 Claims. (Cl. 175—183)

1. A composition of matter for detecting flaws in metallic bodies comprising a liquid suspending medium, finely divided ferromagnetic particles suspended in said liquid, a fluorescent substance insoluble in said liquid adhered to the surfaces of said ferromagnetic particles, and a non-fluorescent organic material dissolved in said liquid capable of selectively quenching any liquid fluorescence in said suspending medium.

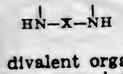
5. A method for detecting flaws in a metallic article comprising creating a magnetic flux in the portion of the article comprising the test field, applying to the test field finely divided ferromagnetic particles in the form of a suspension in a liquid medium, said particles having a fluorescent substance insoluble in said liquid adhered thereto, rinsing said test field with a liquid miscible with said liquid medium, selectively quenching fluorescence of any of said liquids with a non-fluorescent organic dyestuff dissolved in said rinsing liquid, said rinsing being carried out so as to remove from said test field ferromagnetic particles not adhered thereto, and subjecting the test field to fluorescigenous radiation to render vividly apparent the location in the test field of ferromagnetic particles adhered thereto.

2,461,495
POLYAMIDES
Don E. Floyd, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application September 8, 1945, Serial No. 615,245
11 Claims. (Cl. 260—78)

1. A resinous polyamide having a unit length of at least 8, in which the polyfunctional acyl group has the formula

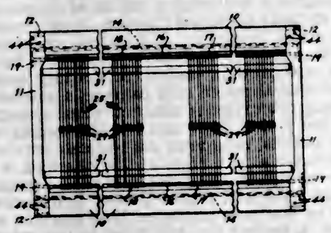


in which R is an aliphatic hydrocarbon substituent containing from 6 to 16 carbon atoms, and in which the polyfunctional amino group has the formula



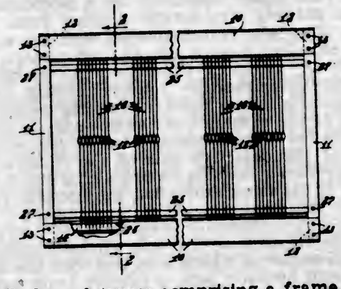
in which X is a divalent organic radical which separates the amino groups by a chain at least 3 atoms in length, said chain being selected from the group consisting of carbon chains and carbon chains interrupted solely by nitrogen, the free valences on the carbonyls of the acyl group being attached to free valences of the nitrogens of the polyamines.

2,461,496
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 24, 1946, Serial No. 643,107
7 Claims. (Cl. 139—92)



1. In loom harness comprising a frame having top and bottom rails, side struts connecting said rails at their ends, and heddles supported in the frame, the means for supporting the heddles in the frame comprising the provision, adjacent the inner edges of the top and bottom rails, of a recess extending from end to end of each of the rails, and a slot extending from said recess to the inner edge of the rail, a heddle supporting bar carried by each rail, said heddle supporting bar being provided with a central web portion and enlarged bead portions along its top and bottom edge, one of said enlarged portions of said bar being positioned in the recess of the rail and the web portion thereof extending through the slot, each of the heddles being provided with a bifurcated end portion complemental to and engaging the other of said enlarged portions of the heddle supporting bar.

2,461,497
LOOM HARNESS
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application July 3, 1946, Serial No. 681,244
6 Claims. (Cl. 139—92)



1. In loom harness comprising a frame having top and bottom rails, side struts connecting said rails at their ends, and heddles integrally made of thin flat strips of metal, the means for supporting the heddles in the frame comprising the provision, adjacent the inner edges of the top and bottom rails, of a recess extending from end to end in each of the rails, and a slot extending from said recess to the inner edge of the rail, each heddle being provided at each end with a head portion normally positioned within the recess and an adjacent neck portion extending through the slot in the rail of the frame, each of the heddles also being provided near its end portions with slots, and auxiliary stabilizing bars extending from end to end of the frame and passing through said slots in the heddles thereby to maintain the head portions of the heddles against turning and thus becoming detached from the rails.

2,461,498
PREPARATION OF SYMMETRICAL TRIAMINOBENZENE COMPOUNDS
John Krueger, Chicago, Ill., assignor to The Edwal Laboratories, Inc., Chicago, Ill.
No Drawing. Application December 8, 1943, Serial No. 513,464
7 Claims. (Cl. 260—580)

1. In a method of preparing symmetrical triaminobenzene compounds, the steps which comprise reacting a mixture including tin, an excess of substantially concentrated hydrochloric acid, and a symmetrical trinitrobenzene compound selected from the group consisting of trinitrobenzene, trinitrobenzoic acid, and trinitrotoluene, the reaction being carried out, in the main, at a temperature between about 60 degrees C. and about 80 degrees C.

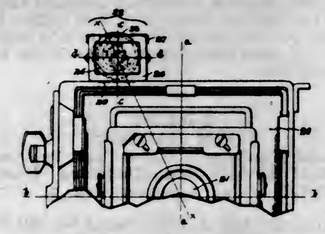
2,461,499

tion to said frame; and controllable connections

charge stroke and to open the contacts when the

2,461,504
ELECTRIC TRANSMITTER FOR DRIVING

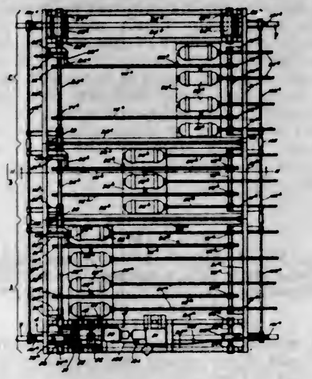
2,461,499
VIEW FINDER FOR PHOTOGRAPHIC CAMERAS
Claude B. McCathron, Rochester, N. Y., assignor to Graflex, Inc., Rochester, N. Y., a corporation of Delaware
Application November 16, 1946, Serial No. 710,287
5 Claims. (Cl. 88—1.5)



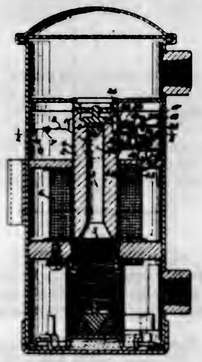
1. A view finder assembly for a photographic camera entirely structurally distinct from and, in use, physically non-connected with the mount of the objective camera lens of such camera, said view finder assembly comprising an elongated, substantially-cylindrical housing having means for attaching it in a fixed, unvarying position to the top of the camera body at one side of a vertical, central line extending through the vertical center of the objective lens of the camera, the said view-finder housing having at the end thereof that is the front end when the housing is secured in functioning position upon the top of the camera body, a stationary negative lens, and having at its opposite or rear end an axial opening, the axial center of which is in line with the axial line of said negative lens, a tubular knob having a cylindrical wall overlapping and received in a sleeve-like relation for rotative adjustment upon said rear end of the said housing and having an outer end wall extending normal to said cylindrical wall and provided with a substantially central viewing opening, the end of the said housing whereon is rotatably received said tubular knob having a slotted opening provided with parallel side walls that are parallel to a line that intersects, when the view finder is in functioning position, an inclined line intersecting the longitudinal axis of said view finder and the longitudinal axis of the objective lens, a lens block having parallel side walls received for guided sliding lengthwise movement in said slotted opening, a positive lens remote from said negative lens and received in said lens block having parallel side edges received against and guided by the side walls of said slotted opening, and cooperating interengaging formations upon said lens block and said tubular knob for moving said lens block along said slotted opening by turning movement of said tubular knob.

2,461,500
APPARATUS FOR CONSTRUCTING VIBRATION-COMPACTED CONCRETE SLABS
Arthur E. Miller and George K. Viall, Milwaukee, and Rudolph F. Lindow, Wauwatosa, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 4, 1944, Serial No. 557,162
10 Claims. (Cl. 94—48)

1. In apparatus for constructing vibration-compacted concrete slabs: a frame provided with power driven means for advancing it intermittently over a slab bed; vibrating means including elements disposable upon the bed in spaced relation to said frame; and controllable connections between said power driven means and the vibrating means whereby said elements may be moved over the bed toward the frame.



2,461,501
ELECTROMAGNETIC PUMP
Donald L. Miller, Pine City, N. Y., assignor to Bendix Aviation Corporation, a corporation of Delaware
Application March 7, 1947, Serial No. 733,210
2 Claims. (Cl. 103—53)



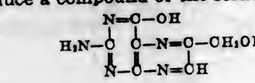
1. In an electromagnetic pump a cylinder of non-magnetic material, a piston of magnetic material slidably mounted thereon, spring means for moving the piston in a direction to eject fluid from the cylinder, said piston having a fluid passage therethrough, means preventing backward flow of fluid through said passage, a solenoid surrounding the cylinder adapted when energized to draw the piston back against the action of said spring means, magnetic pole pieces surrounding the cylinder at the ends of the solenoid, a cylindrical casing of magnetic material surrounding and connecting the pole pieces, a bracket fixed to one of the pole pieces, a fixed contact on said bracket, a second bracket fixed to the interior of the casing, a lever pivoted on the second bracket, a movable contact mounted on one end of the lever in position to cooperate with the fixed contact, a lost motion mechanical connection between the other end of the lever and the piston arranged to swing the lever to close the contacts when the piston approaches the end of its discharge stroke and to open the contacts when the piston approaches the end of its charging stroke, and means including said contacts for energizing the solenoid.

2,461,502
CYANOETHYL ETHERS OF GALACTOMANNAN AND GLUCOMANNAN GUMS
Owen A. Moe, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application April 25, 1946, Serial No. 664,986
8 Claims. (Cl. 260—209)

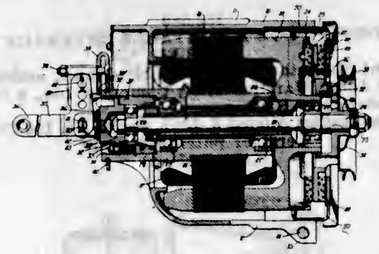
5. A process of making a cyanoethyl ether of a gum selected from the group consisting of galactomannan and glucomannan gums, which comprises condensing said gum with an acrylonitrile.

2,461,503
PROCESS FOR THE MANUFACTURE OF 2-AMINO-6-HYDROXY -8- (HYDROXYMETHYL) PTERIDINE
Hans Spiegelberg and Gérald Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application January 24, 1948, Serial No. 4,219. In Switzerland February 3, 1947
1 Claim. (Cl. 260—251)

Process for the manufacture of 2-amino-6-hydroxy-8-(hydroxymethyl)-pteridine, comprising heating dihydroxy-acetone with di-amino-5-nitroso-6-hydroxy-pyrimidine in alkaline solution to produce a compound of the formula



2,461,504
ELECTRIC TRANSMITTER FOR DRIVING SEWING MACHINES AND THE LIKE
Edgar P. Turner, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application November 3, 1947, Serial No. 783,791
12 Claims. (Cl. 172—36)



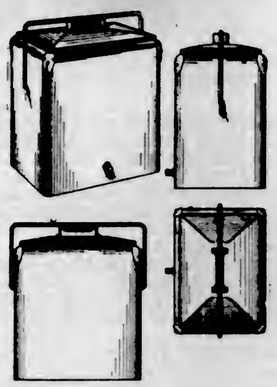
1. An electric power transmitter comprising a hollow cylindrical frame with a tubular portion extending into said frame from one end thereof, a stationary motor-element mounted on said tubular portion, a rotary motor-element disposed externally of said stationary element and mounted on a tubular motor shaft journaled in said tubular frame portion, a driven shaft extending through the tubular motor shaft, a driven clutch-element fixed to one end of said driven shaft, and mechanism operatively connected to the other end of said driven shaft for shifting said shaft endwise.

152,586

DESIGNS

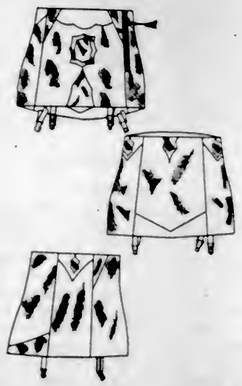
FEBRUARY 8, 1949

152,580
DESIGN FOR A PORTABLE BEVERAGE COOLER
Grant M. Acton, Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc., a corporation of Kansas
Application August 6, 1947, Serial No. 140,714
Term of patent 14 years
(Cl. D67—4)



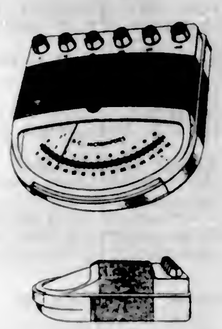
The ornamental design for a portable beverage cooler, substantially as shown.

152,581
DESIGN FOR A GIRDLE
Pierre Amyot, Quebec, Quebec, Canada
Application April 14, 1947, Serial No. 138,393
Term of patent 14 years
(Cl. D20—2)



The ornamental design for a girdle, as shown.

152,582
DESIGN FOR A MEASURING INSTRUMENT CASE
Gilbert Banever, New Haven, Conn., assignor to General Electric Company, a corporation of New York
Application December 26, 1947, Serial No. 142,360
Term of patent 14 years
(Cl. D26—5)

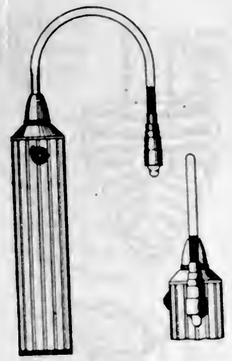


The ornamental design for a measuring instrument case, as shown.

152,583
DESIGN FOR LEATHER OR SIMILAR ARTICLE OF MANUFACTURE
Fred H. Becker and Lester F. Peabody, Girard, Ohio, assignors to The Ohio Leather Company, Girard, Ohio, a corporation of Ohio
Application March 3, 1948, Serial No. 144,886
Term of patent 14 years
(Cl. D87—3)

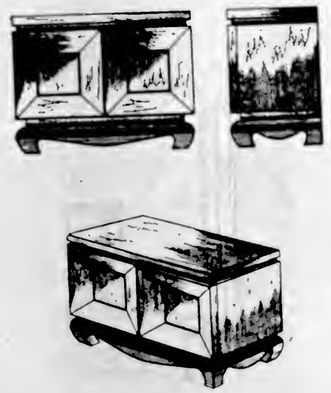
The ornamental design for leather or similar article of manufacture, as shown.

152,584
DESIGN FOR A FLASHLIGHT
Rodger F. Becker, Kalamazoo, Mich.
Application September 3, 1946, Serial No. 133,033
Term of patent 14 years
(Cl. D48—24)



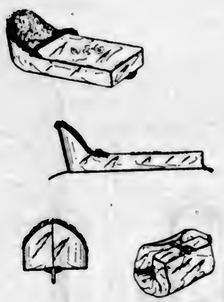
The ornamental design for a flashlight, substantially as shown.

152,585
DESIGN FOR A CABINET OR SIMILAR ARTICLE
Seth Ben-Ari, Millburn, N. J.
Application May 23, 1947, Serial No. 139,234
Term of patent 7 years
(Cl. D33—19)



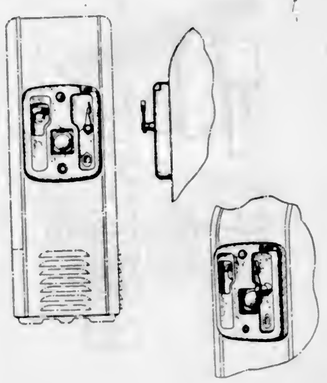
The ornamental design for a cabinet or similar article, as shown and described.

152,586
DESIGN FOR A BABY BUNTING
Application April 18, 1947, Serial No. 138,468
Esther Brande, Garden City, N. Y.
Term of patent 3½ years
(Cl. D92—2)



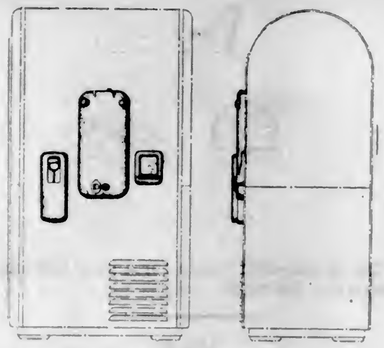
The ornamental design for a baby bunting, as shown and described.

152,587
DESIGN FOR A FACE PLATE FOR A DISPENSING MACHINE
Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application September 11, 1946, Serial No. 133,244
Term of patent 14 years
(Cl. D52—3)



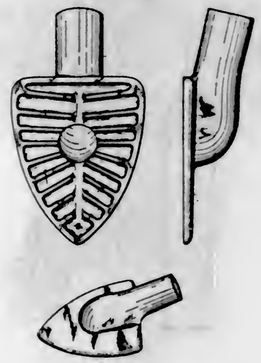
The ornamental design for a face plate for a dispensing machine, as shown and described.

152,588
DESIGN FOR A DISPENSING MACHINE
Alan D. Brundage, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application September 11, 1946, Serial No. 133,245
Term of patent 14 years
(Cl. D52—3)



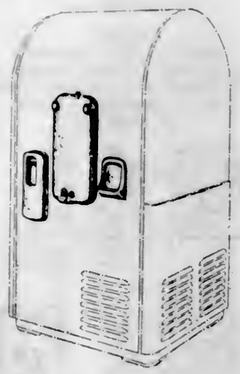
The ornamental design for a dispensing machine, as shown and described.

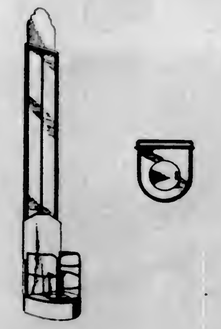
152,589
DESIGN FOR A NOZZLE ATTACHMENT FOR VACUUM CLEANERS
William F. Burri, Portland, Oreg.
Application June 3, 1948, Serial No. 146,743
Term of patent 14 years
(Cl. D37—1)



The ornamental design for a nozzle attachment for vacuum cleaners, as shown.

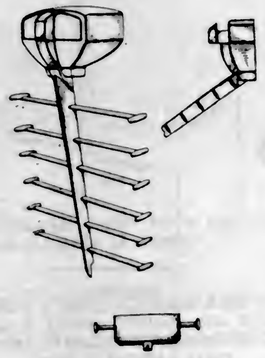
152,590
DESIGN FOR A CARNIVAL WEIGHT-LIFTING AMUSEMENT DEVICE OR THE LIKE
Phillip Campbell, Whittier, and Edward George Fox, Sr., Long Beach, Calif.
Application September 23, 1946, Serial No. 133,522
Term of patent 14 years
(Cl. D34—5)





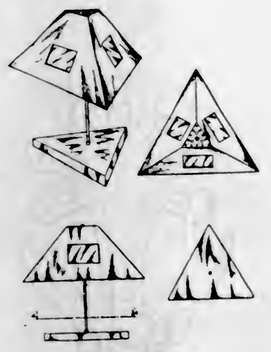
The ornamental design for a carnival weight-lifting amusement device or the like, as shown.

152,591
DESIGN FOR A TIE RACK
Herman Martin Canner, Detroit, Mich.
Application April 11, 1947, Serial No. 138,309
Term of patent 3½ years
(Cl. D33—8)



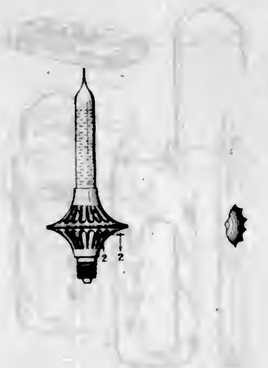
The ornamental design for a tie rack, substantially as shown.

152,592
DESIGN FOR A DECORATIVE DISPLAY LAMP OR THE LIKE
Hugh M. Carey, Glendale, Calif.
Application March 17, 1947, Serial No. 137,688
Term of patent 3½ years
(Cl. D48—20)



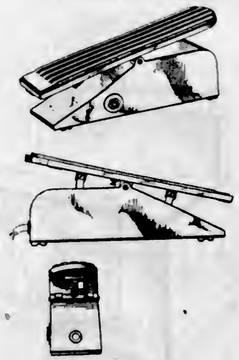
The ornamental design for a decorative display lamp or the like, substantially as shown.

152,593
DESIGN FOR A BUBBLING CANDLE LAMP
Junior K. Castell, Peru, Ind., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application February 21, 1948, Serial No. 144,658
Term of patent 14 years
(Cl. D48—20)



The ornamental design for a bubbling candle lamp, substantially as shown.

152,594
DESIGN FOR A PEDAL CONTROL DEVICE
Ernest C. Caudill, Kansas City, Kans.
Application June 18, 1947, Serial No. 139,781
Term of patent 3½ years
(Cl. D26—13)

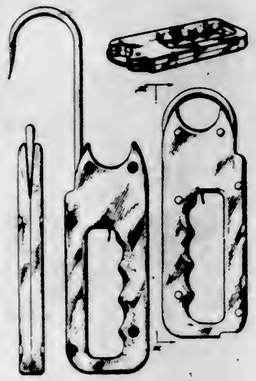


The ornamental design for a pedal control device, substantially as shown.

152,598—Continued

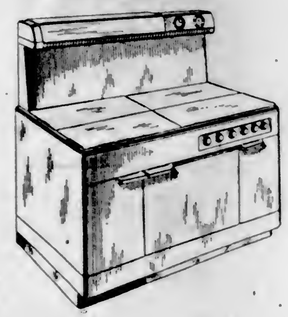
152,600

152,595
DESIGN FOR A SAFETY FISH GAFF
Harold Cederblad, San Francisco, Calif.
Application November 6, 1946, Serial No. 134,548
Term of patent 14 years
(Cl. D31—4)



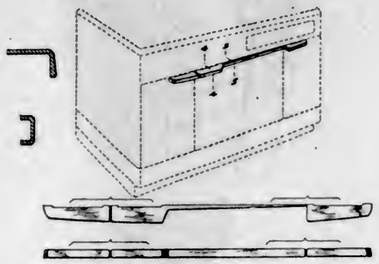
The ornamental design for a safety fish gaff, substantially as shown.

152,596
DESIGN FOR A COOKING RANGE
Laird F. Covey, Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass., a corporation of Massachusetts
Application February 6, 1948, Serial No. 144,334
Term of patent 14 years
(Cl. D81—4)



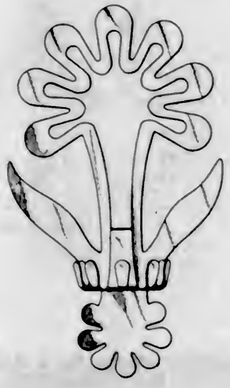
The ornamental design for a cooking range, as shown and described.

152,597
DESIGN FOR A COOKING RANGE HANDLE UNIT
Laird F. Covey, Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass., a corporation of Massachusetts
Application February 6, 1948, Serial No. 144,336
Term of patent 14 years
(Cl. D81—25)

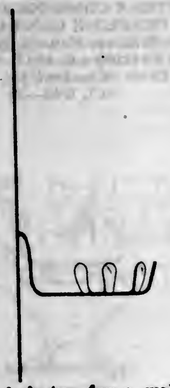


The ornamental design for a cooking range handle unit, as shown and described.

152,598
DESIGN FOR A WALL BRACKET OR THE LIKE
Peter J. Cronen, Minneapolis, Minn.
Application May 27, 1946, Serial No. 130,107
Term of patent 7 years
(Cl. D33—3)



152,598—Continued

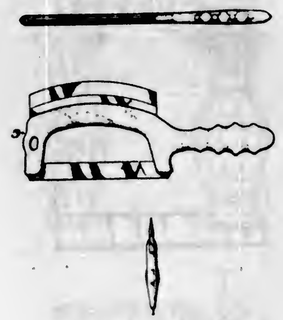


The ornamental design for a wall bracket or the like, substantially as shown.

152,599
DESIGN FOR A WALL BRACKET OR THE LIKE
Peter J. Cronen, Minneapolis, Minn.
Application May 27, 1946, Serial No. 130,108
Term of patent 7 years
(Cl. D33—3)

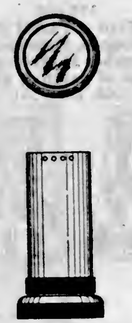
The ornamental design for a wall bracket or the like, substantially as shown.

152,600
DESIGN FOR A COMBINATION SAW AND CLEAVER
Paul F. Danielsen, San Marino, Calif.
Application February 10, 1948, Serial No. 144,384
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a combination saw and cleaver, as shown.

152,601
DESIGN FOR A COMBINATION SALT AND PEPPER SHAKER
Marian S. Dillon, Youngstown, Ohio
Application August 15, 1946, Serial No. 132,553
Term of patent 3½ years
(Cl. D44—22)



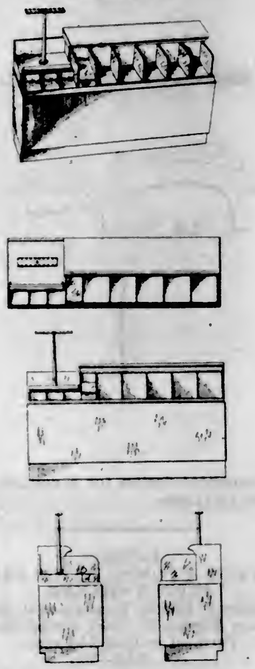
The ornamental design for a combination salt and pepper shaker, as shown.

152,602
DESIGN FOR BABY PANTIES

152,604
DESIGN FOR A CONTAINER FABRIC AND

152,606
DESIGN FOR A PERFUME BOTTLE

152,602
DESIGN FOR A DISPLAY FIXTURE
Edwin C. Dimling, Flushing, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York
Application July 27, 1946, Serial No. 132,012
Term of patent 14 years
(Cl. D60—9)



The ornamental design for a display fixture, substantially as shown.

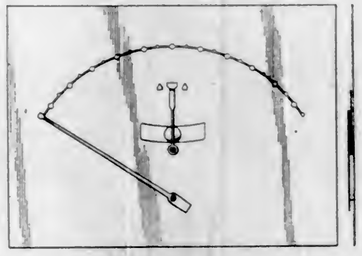
152,603
DESIGN FOR A PLAITED SKIRT
Ernest Donath, Brookline, Mass.
Application September 14, 1948, Serial No. 148,581
Term of patent 7 years
(Cl. D2—26)

The ornamental design for a plaited skirt, as shown.

152,604
DESIGN FOR A COMBINED EARRING AND PERFUME CONTAINER
Pasquale William Fanelli, Brooklyn, N. Y.
Application February 6, 1948, Serial No. 144,332
Term of patent 3½ years
(Cl. D45—9)

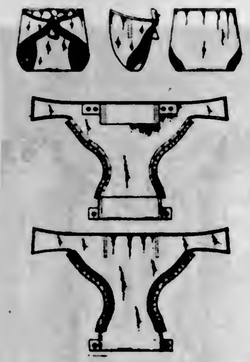
The ornamental design for a combined earring and perfume container, substantially as shown.

152,605
DESIGN FOR AN INSTRUMENT PANEL
Wendell S. Fletcher, South Pasadena, Calif.
Application January 25, 1946, Serial No. 125,967
Term of patent 14 years
(Cl. D52—1)



The ornamental design for an instrument panel, as shown.

152,606
DESIGN FOR BABY PANTIES
Esther Foreman, Evansville, Ind.
Application February 4, 1948, Serial No. 144,272
Term of patent 3½ years
(Cl. D3—17)

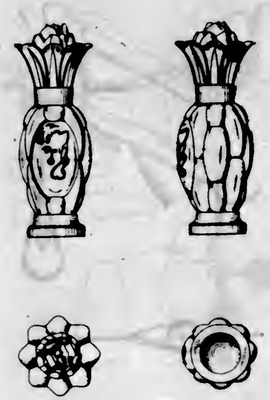


The ornamental design for baby panties, substantially as shown.

152,607
DESIGN FOR A SANDING BLOCK
Louis Gerlinger, Salem, Oreg.
Application August 11, 1948, Serial No. 148,050
Term of patent 3½ years
(Cl. D37—1)

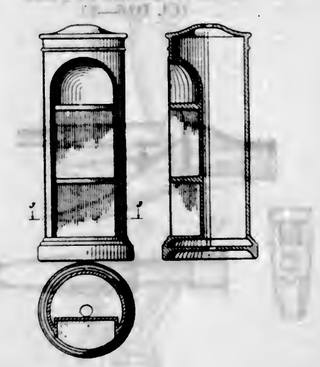
The ornamental design for a sanding block, as shown.

152,608
DESIGN FOR A PERFUME BOTTLE
Dorothy Gibson, New York, N. Y., assignor to Dorothy Gibson Perfumes Corp., New York, N. Y., a corporation of New York
Application September 3, 1947, Serial No. 141,180
Term of patent 3½ years
(Cl. D58—9)



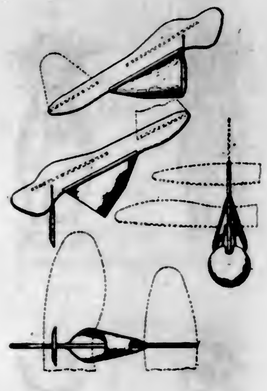
The ornamental design for a perfume bottle, as shown.

152,609
DESIGN FOR A LAMP BASE
Harry Gogolick, Brooklyn, and Elliott Meyer, New York, N. Y.
Application July 29, 1946, Serial No. 132,082
Term of patent 3½ years
(Cl. D48—20)



The ornamental design for a lamp base, as shown.

152,610
DESIGN FOR A TOY AIRPLANE
Edward H. Green, Chicago, Ill.
Application August 9, 1946, Serial No. 132,395
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy airplane, substantially as shown and described.

152,611
DESIGN FOR A COMBINED NOZZLE AND CONTROL HANDLE FOR DRY CHEMICAL FIRE EXTINGUISHER
Arthur B. Guise and Theodore W. Johnson, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
Application September 19, 1947, Serial No. 141,483
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a combined nozzle and control handle for dry chemical fire extinguisher, as shown.

152,612
DESIGN FOR A PORTABLE HAND FIRE EXTINGUISHER
Arthur B. Guise and Theodore W. Johnson, Marinette, Wis., assignors to Ansul Chemical Company, Marinette, Wis., a corporation of Wisconsin
Application September 19, 1947, Serial No. 141,484
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable hand fire extinguisher, as shown.

152,613
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Eugene Irving Hanson, New York, N. Y.
Application January 28, 1948, Serial No. 144,116
Term of patent 3½ years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

152,614
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Eugene Irving Hanson, New York, N. Y.
Application January 28, 1948, Serial No. 144,117
Term of patent 3½ years
(Cl. D92—1)

The ornamental design for a textile fabric or similar article, as shown and described.

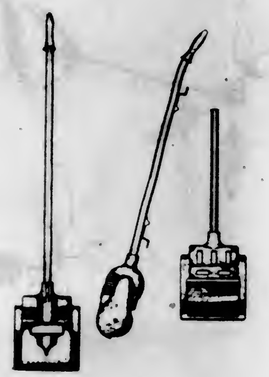
152,615
DESIGN FOR A WEATHER VANE
Otis D. Harbert, Covina, Calif.
Application November 13, 1946, Serial No. 134,764
Term of patent 14 years
(Cl. D52—9)

The ornamental design for a weather vane, substantially as shown and described.

152,616
DESIGN FOR A FLOOR WAXER
Emmett C. Hartley, Euclid, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1947, Serial No. 139,785
Term of patent 14 years
(Cl. D9—2)

The ornamental design for a floor waxer, as shown and described.

152,617
DESIGN FOR A FLOOR POLISHING MACHINE
William E. Holt, Oakland, Calif.
Application June 11, 1947, Serial No. 139,568
Term of patent 14 years
(Cl. D9—2)

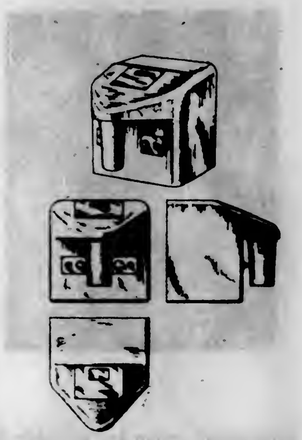


The ornamental design for a floor polishing machine, as shown.

152,618
DESIGN FOR A SOAP HOLDER
Everett L. Kibler, Pittsburgh, Pa.
Application July 31, 1946, Serial No. 132,131
Term of patent 14 years
(Cl. D4—8)

The ornamental design for a soap holder, as shown.

152,619
DESIGN FOR A MOISTURE METER
Charles N. Kimball, Johnson County, Kans., William R. Lewis, Clay County, Mo., and Herman A. Streeker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo., a corporation of Missouri
Application May 17, 1947, Serial No. 139,098
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a moisture meter, substantially as shown.

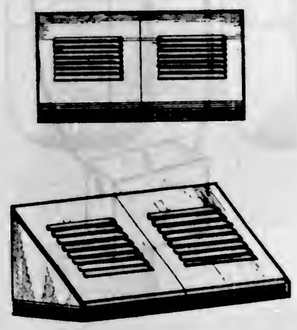
152,620
DESIGN FOR A FINGER RING
Felix P. Kinsley, St. Louis, Mo.
Application June 25, 1948, Serial No. 147,206
Term of patent 14 years
(Cl. D45—10)

The ornamental design for a finger ring, as shown.

152,621
DESIGN FOR AN APPLIANCE BRACKET
Herbert J. Kline, Jackson, Mich., assignor, by mesne assignments, to National Die Casting Company, Chicago, Ill., a corporation of Illinois
Application June 28, 1946, Serial No. 131,129
Term of patent 14 years
(Cl. D44—29)

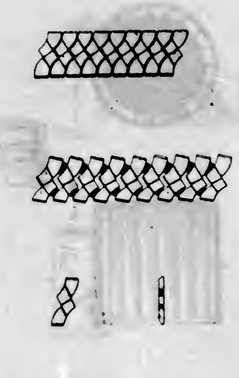
The ornamental design for an appliance bracket, as shown.

152,622
DESIGN FOR AN AWNING
Daniel D. Kobbe, Houston, Tex., assignor to Aluminum Arts, Inc., Houston, Tex., a corporation of Texas
Application January 3, 1947, Serial No. 135,924
Term of patent 14 years
(Cl. D21—6)



The ornamental design for an awning, as shown.

152,623
DESIGN FOR AN EXPANSIBLE CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Arthur W. Koppell, Upper Nyack, N. Y., assignor to Jay Kel Inc., New York, N. Y., a corporation of New York
Application August 19, 1948, Serial No. 148,184
Term of patent 3½ years
(Cl. D45—4)



The ornamental design for an expansible chain for a bracelet or similar article, as shown.

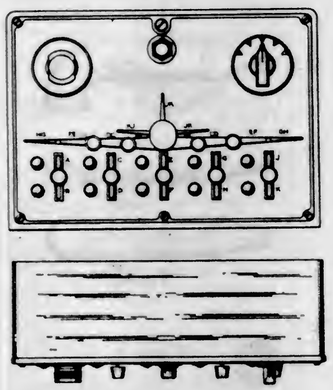
152,624
DESIGN FOR A COMBINED CIGARETTE HOLDER AND ASH RECEIVER
Henry Krohnengold, Bronx, N. Y.
Application September 10, 1946, Serial No. 133,232
Term of patent 7 years
(Cl. D85—8)

The ornamental design for a combined cigarette holder and ash receiver, as shown.

152,625
DESIGN FOR A CONTAINER CAP
Joel Kreeman, Whitestone, N. Y., assignor to Victor Industries Corporation, a corporation of New York
Application September 18, 1947, Serial No. 141,466
Term of patent 14 years
(Cl. D58—26)

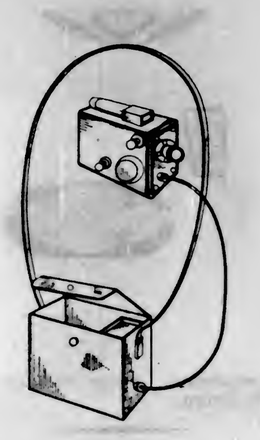
The ornamental design for a container cap, substantially as shown and described.

152,626
DESIGN FOR A PANEL FOR AN ELECTRONIC TIMER OR SIMILAR ARTICLE
John William Lauricella, Passaic, N. J.
Application November 7, 1946, Serial No. 134,572
Term of patent 14 years
(Cl. D26—1)



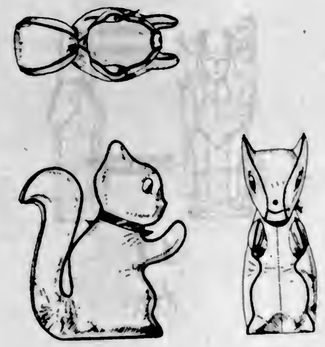
The ornamental design for a panel for an electronic timer or similar article, as shown and described.

152,627
DESIGN FOR A COMBINATION PORTABLE ELECTRIC MOTION-PICTURE CAMERA AND BATTERY CASE
Constantin P. Lant, New York, N. Y.
Application December 14, 1946, Serial No. 135,525
Term of patent 7 years
(Cl. D61—1)



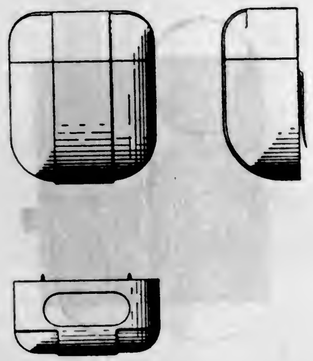
The ornamental design for a combination portable electric motion-picture camera and battery case, as shown.

152,628
DESIGN FOR A TOY ANIMAL FIGURE
Morris C. Levich, New York, N. Y.
Application May 1, 1948, Serial No. 144,127
Term of patent 14 years
(Cl. D34—2)



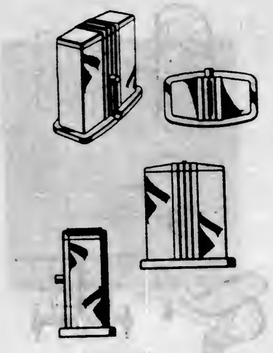
The ornamental design for a toy animal figure, substantially as shown.

152,629
DESIGN FOR A PIN-UP ASH RECEIVER
Henry W. Louis, Cleveland, Ohio
Application November 6, 1946, Serial No. 134,563
Term of patent 3½ years
(Cl. D65—2)



The ornamental design for a pin-up ash receiver, as shown.

152,630
DESIGN FOR A NEEDLE DISPENSER
Patrick T. Marinack, Glendale, and Isaac Preston Dooley, Burbank, Calif.
Application July 8, 1946, Serial No. 131,364
Term of patent 3½ years
(Cl. D58—12)

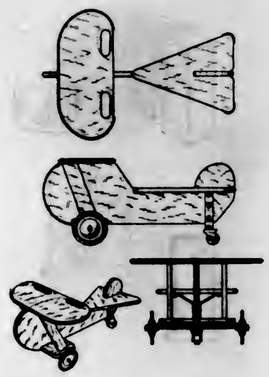


The ornamental design for a needle dispenser, substantially as shown and described.

152,631
DESIGN FOR A HEATER PLUG
Augustine H. Massey, Stratford, Conn.
Application March 27, 1947, Serial No. 137,955
Term of patent 3½ years
(Cl. D26—1)

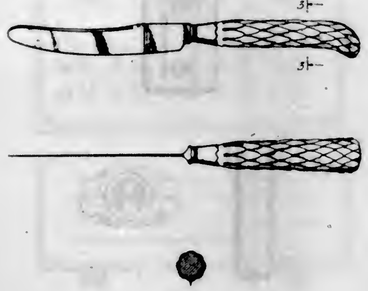
The ornamental design for a heater plug, substantially as shown.

152,632
DESIGN FOR A TOY
Nellson K. Masten, Seattle, Wash.
Application May 12, 1947, Serial No. 133,979
Term of patent 14 years
(Cl. D34—15)



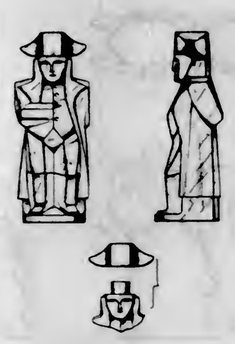
The ornamental design for a toy, as shown and described.

152,633
DESIGN FOR A KNIFE
Syrie Maugham, New York, N. Y.
Application December 13, 1947, Serial No. 143,126
Term of patent 3½ years
(Cl. D22—3)



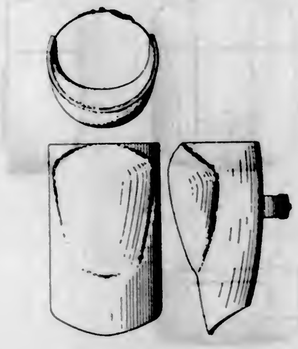
The ornamental design for a knife, as shown.

152,634
DESIGN FOR A BOTTLE
Jean Bourges Mayfield, New York, N. Y., assignor to Joseph S. Lindemann, New York, N. Y.
Application November 25, 1946, Serial No. 135,069
Term of patent 14 years
(Cl. D52—9)



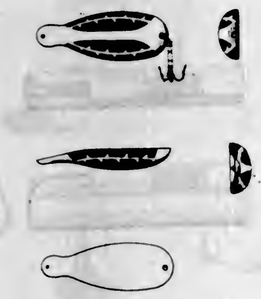
The ornamental design for a bottle, substantially as shown.

152,635
DESIGN FOR A KNEE PAD
Bert Mechur and Walter Riedler, New York, N. Y.
Application July 26, 1947, Serial No. 140,552
Term of patent 14 years
(Cl. D8—26)



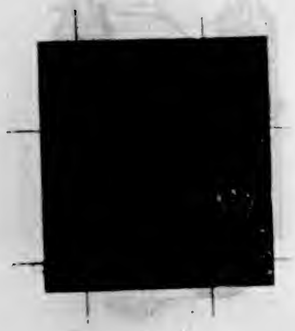
The ornamental design for a knee pad, as shown.

152,636
DESIGN FOR A FISHING LURE
Thomas W. Messick, Matteon, Ill.
Application June 5, 1947, Serial No. 139,461
Term of patent 3½ years
(Cl. D31—4)



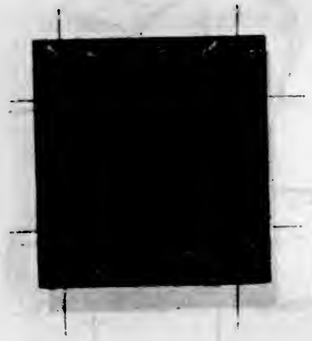
The ornamental design for a fishing lure, substantially as shown and described.

152,637
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application February 28, 1948, Serial No. 144,805
Term of patent 3½ years
(Cl. D92—1)



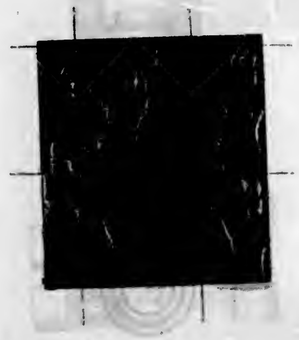
The ornamental design for a textile fabric, substantially as shown and described.

152,638
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application February 28, 1948, Serial No. 144,806
Term of patent 3½ years
(Cl. D92—1)



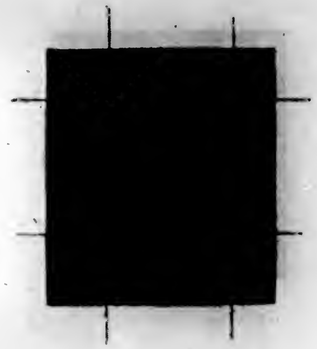
The ornamental design for a textile fabric, substantially as shown and described.

152,639
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application February 28, 1948, Serial No. 144,807
Term of patent 3½ years
(Cl. D92—1)



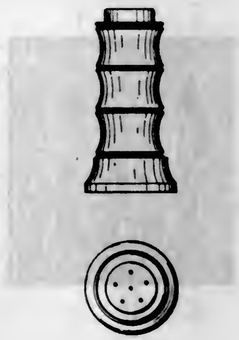
The ornamental design for a textile fabric, substantially as shown and described.

152,640
DESIGN FOR A TEXTILE FABRIC
Walter Mitschke, North Bergen, N. J., assignor to Classic Weaving Corporation, North Bergen, N. J.
Application February 28, 1948, Serial No. 144,868
Term of patent 3½ years
(Cl. D92—1)



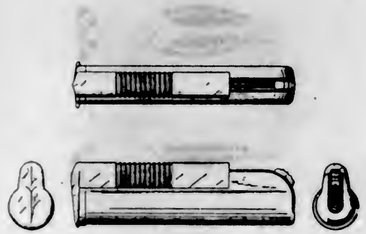
The ornamental design for a textile fabric, substantially as shown and described.

152,641
DESIGN FOR A CONDIMENT SHAKER
Henry E. Musselman and William H. Buck, Kalamazoo, Mich.
Application June 5, 1947, Serial No. 139,468
Term of patent 7 years
(Cl. D44—22)



The ornamental design for a condiment shaker, as shown.

152,642
DESIGN FOR A LIGHTING DEVICE
Jerome Nathan, New York, N. Y., and James C. Haberman, Springfield, Mass.
Application April 5, 1947, Serial No. 138,170
Term of patent 3½ years
(Cl. D48—37)



The ornamental design for a lighting device, as shown.

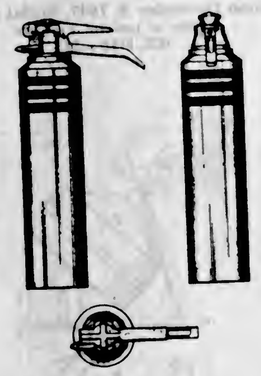
152,643
DESIGN FOR A LADY'S STOCKING
William Nebel, Charlotte, N. C.
Application December 24, 1947, Serial No. 143,232
Term of patent 14 years
(Cl. D47—7)

The ornamental design for a lady's stocking, substantially as shown and described.

152,644
DESIGN FOR A LADY'S STOCKING
William Nebel, Charlotte, N. C.
Application December 24, 1947, Serial No. 143,233
Term of patent 14 years
(Cl. D47—7)

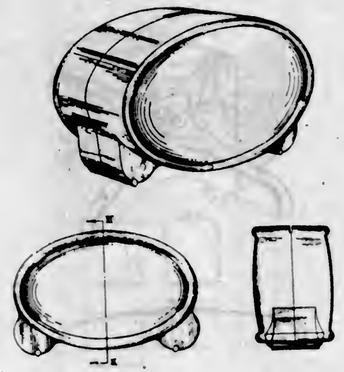
The ornamental design for a lady's stocking, substantially as shown and described.

152,645
DESIGN FOR A FIRE EXTINGUISHER
Ignatius Nurkiewicz, Brooklyn, N. Y., assignor to Step-Fire Inc., a corporation of New York
Application February 19, 1948, Serial No. 144,602
Term of patent 14 years
(Cl. D16—2)



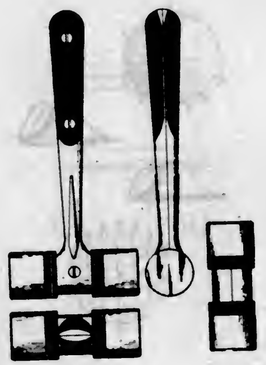
The ornamental design for a fire extinguisher, substantially as shown.

152,646
DESIGN FOR A COIN BANK
Thomas E. Orr, Lakewood, Ohio
Application May 9, 1947, Serial No. 138,933
Term of patent 14 years
(Cl. D34—11)



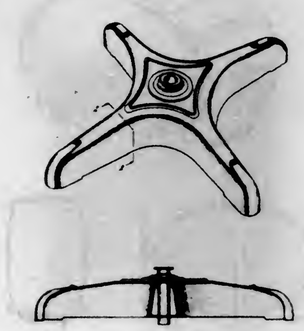
The ornamental design for a coin bank, substantially as shown.

152,647
DESIGN FOR A MALLET
George Pavlinetz, Carteret, N. J.
Application December 11, 1947, Serial No. 143,099
Term of patent 3½ years
(Cl. D93—4)



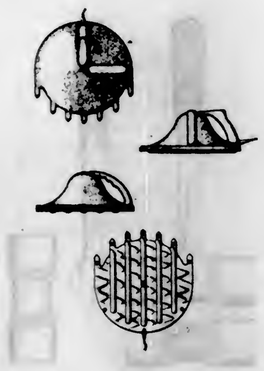
The ornamental design for a mallet, as shown.

152,648
DESIGN FOR A BASE OR PEDESTAL FOR CHAIRS
Henry A. Puncheon, Sturgis, Mich., assignor to Harter Corporation, Sturgis, Mich., a corporation of Michigan
Application January 16, 1947, Serial No. 136,185
Term of patent 14 years
(Cl. D15—2)



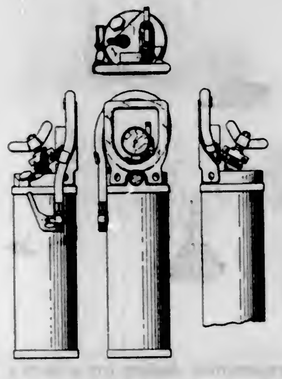
The ornamental design for a base or pedestal for chairs, as shown.

152,649
DESIGN FOR A ROTARY HEDGE CLIPPER
Rodney W. Perdew, Los Angeles, Calif.
Application July 16, 1947, Serial No. 140,209
Term of patent 14 years
(Cl. D22—4)



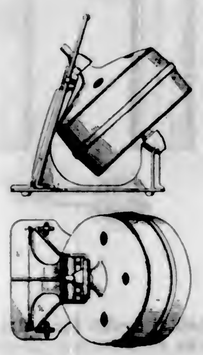
The ornamental design for a rotary hedge clipper, as shown.

152,650
DESIGN FOR A FIRE EXTINGUISHER
Albert Brown Phister, Fort Thomas, Ky., assignor to The Phister Mfg. Co., Cincinnati, Ohio, a corporation of Delaware
Application December 30, 1947, Serial No. 143,451
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a fire extinguisher, substantially as shown.

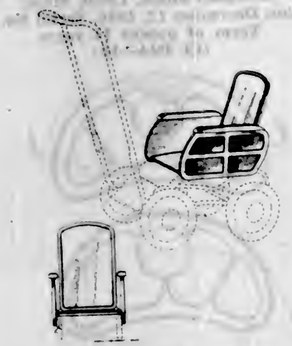
152,651
DESIGN FOR A SEWER CLEANING MACHINE
Joseph J. Rausch, Berwyn, Ill., assignor to Howard T. O'Brien, doing business as O'Brien Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 6, 1947, Serial No. 143,012
Term of patent 7 years
(Cl. D49—1)



152,651—Continued

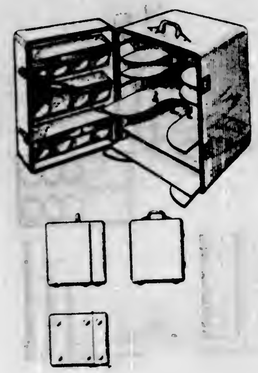
The ornamental design for a sewer cleaning machine, substantially as shown.

152,652
DESIGN FOR A STROLLER BODY
Frederick T. Regan, Brookville, Mass., assignor to Hedstrom-Union Company, Fitchburg, Mass., a corporation of Massachusetts
Application April 22, 1948, Serial No. 145,893
Term of patent 14 years
(Cl. D14—14)



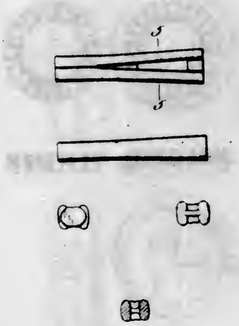
The ornamental design for a stroller body, as shown and described.

152,653
DESIGN FOR A LADY'S HAT AND SHOE CASE
Nina D. Rinehart, Seattle, Wash.
Application November 5, 1946, Serial No. 134,528
Term of patent 14 years
(Cl. D87—5)



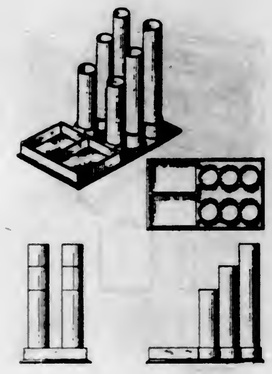
The ornamental design for a lady's hat and shoe case, as shown and described.

152,654
DESIGN FOR A HANDLE FOR A BRUSH OR SIMILAR ARTICLE
Anthony Rodriquez, Westfield, Mass.
Application January 8, 1947, Serial No. 135,999
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a handle for a brush or similar article, as shown.

152,655
DESIGN FOR A FLORIST'S WIRE HOLDER
Hubert S. Rossell, Redwood City, Calif.
Application November 1, 1946, Serial No. 134,422
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a florist's wire holder, substantially as shown.

152,656
DESIGN FOR AN ASH TRAY
Arnold J. Schwisow, Hopkins, Minn.
Application May 9, 1946, Serial No. 129,500
Term of patent 7 years
(Cl. D85—2)

The ornamental design for an ash tray, as shown.

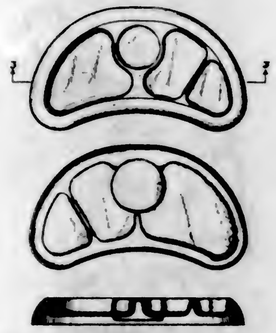
152,657
DESIGN FOR A FISH LURE
Stephan J. Simon, Detroit, Mich.
Application March 23, 1948, Serial No. 145,280
Term of patent 14 years
(Cl. D31—4)

The ornamental design for a fish lure, as shown.

152,658
DESIGN FOR A WRIST WATCH BAND
Morris Sklar, Brooklyn, N. Y.
Application January 17, 1948, Serial No. 143,856
Term of patent 3½ years
(Cl. D45—4)

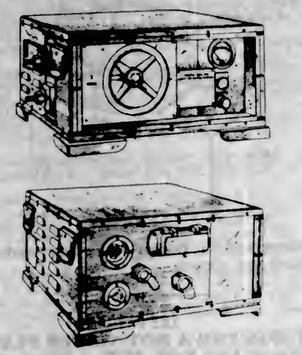
The ornamental design for a wrist watch band, as shown.

152,659
DESIGN FOR A BABY'S FOOD TRAY OR ARTICLE OF ANALOGOUS NATURE
Abraham Sloan, Lynn, Mass.
Application December 12, 1946, Serial No. 135,451
Term of patent 14 years
(Cl. D44—10)



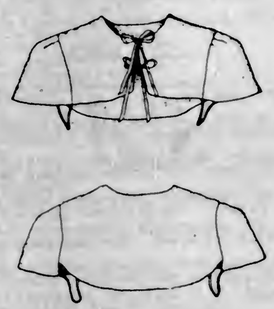
The ornamental design for a baby's food tray or article of analogous nature, substantially as shown.

152,660
DESIGN FOR AN ELECTRICAL HEATING AND WELDING TRANSFORMER
Harry B. Smith, Westfield, and George A. Dolan, East Orange, N. J.
Application July 1, 1947, Serial No. 140,052
Term of patent 14 years
(Cl. D26—15)



The ornamental design for an electrical heating and welding transformer, as shown.

152,661
DESIGN FOR A BED JACKET
Margot E. Smith, Minneapolis, Minn., assignor to Kickernick, Inc., Minneapolis, Minn., a corporation of Minnesota
Application April 19, 1947, Serial No. 138,496
Term of patent 7 years
(Cl. D3—3)

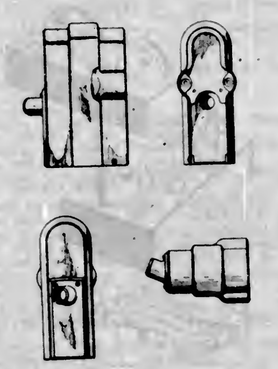


The ornamental design for a bed jacket, as shown.

152,662
DESIGN FOR AN OWL FIGURINE
Ralph C. Smith, Valparaiso, Ind.
Application April 6, 1946, Serial No. 128,351
Term of patent 14 years
(Cl. D29—23)

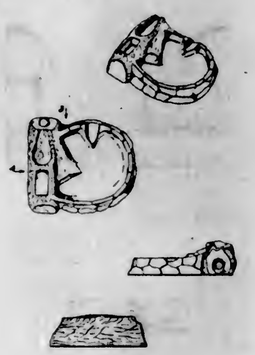
The ornamental design for an owl figurine, as shown.

152,663
DESIGN FOR A VEHICLE SIGNAL CASING
Mike Steigel, Rapides Parish, near Alexandria, La.
Application January 9, 1948, Serial No. 143,604
Term of patent 7 years
(Cl. D72—1)



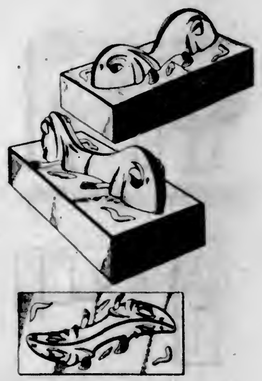
The ornamental design for a vehicle signal casing, as shown.

152,664
DESIGN FOR AN ASH TRAY
Norman K. Tschirley, Los Angeles, Calif.
Application May 12, 1948, Serial No. 146,311
Term of patent 3½ years
(Cl. D85—2)



The ornamental design for an ash tray, as shown.

152,665
DESIGN FOR A TISSUE SHEET DISPENSER
Alexander C. H. Weiss, Chicago, Ill.
Application July 31, 1946, Serial No. 132,157
Term of patent 7 years
(Cl. D58—12)

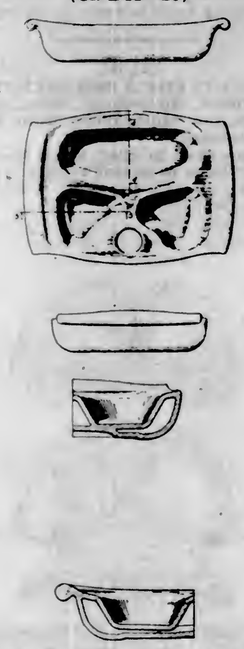


The ornamental design for a tissue sheet dispenser, as shown.

152,666
DESIGN FOR A BUS CART OR SIMILAR ARTICLE
William E. Williams, Milwaukee, Wis.
Application April 10, 1948, Serial No. 145,639
Term of patent 14 years
(Cl. D14—3)

The ornamental design for a bus cart or similar article, as shown.

152,667
DESIGN FOR A HOT-WATER PLATE
Eva S. Zeisel, New York, N. Y., assignor to China & Glass Distributors, Inc., New York, N. Y., a corporation of New York
Application April 18, 1947, Serial No. 138,470
Term of patent 7 years
(Cl. D44—10)



The ornamental design for a hot-water plate, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Aeppler, C. W., doing business as Wisconsin Honey Farm, Oconomowoc, Wis. Comb and extracted honey. Serial No. 533,250, Feb. 8. Class 46.

Affiliated Products, Inc.: *See*—
Whitehall Pharmacal Company.

Akron Truss Co., Inc., The, Cuyahoga Falls, Ohio. Surgical trusses and pads therefor. Serial No. 500,041, published Feb. 8. Class 44.

Algemeene Kunstzijde Unie, N. V., Arnhem, Netherlands. Knitted, netted and textile fabrics in the piece. Serial No. 524,040, Feb. 8. Class 42.

Alrose Chemical Co., Inc., Cranston, R. I. Chemical compositions. Serial No. 548,704, Feb. 8. Class 6.

American Cable and Radio Corporation, New York, N. Y. Receipt transmission and delivery of communications by radio, telephony, telegraphy, etc. Serial No. 549,040, Feb. 8. Class 55.

American Yarn and Processing Company, Mount Holly, N. C. Cotton yarn. Serial No. 561,178, Feb. 8. Class 43.

Argosy Pictures Corporation, Culver City, Calif. Motion picture photoplays. Serial No. 532,093, Feb. 8. Class 26.

Arlin Products, Incorporated, Detroit, Mich. Electric gauging mechanisms for determining physical dimensions. Serial No. 504,023, Feb. 8. Class 26.

Armstrong Paint & Varnish Works, Chicago, Ill. Ready mixed barn paints. Serial No. 538,077, Feb. 8. Class 16.

Atlantic Refining Company, The, Philadelphia, Pa. Petroleum waxes. Serial No. 532,265, Feb. 8. Class 15.

Auto Truck Equipment Company, Pittsburgh, Pa. Equipment for automotive trucks and busses, etc. Serial No. 542,505, Feb. 8. Class 19.

Auto Truck Equipment Company, Pittsburgh, Pa. Equipment for automotive trucks and busses, etc. Serial No. 542,508, Feb. 8. Class 19.

Auto City Plating Co., Detroit, Mich. Electro-plating with copper, nickel, and chrome and other metals. Serial No. 537,783, Feb. 8. Class 55.

Ayrshire Collieries Corporation, Wilmington, Del., and Indianapolis, Ind. Coal. Serial No. 547,689, Feb. 8. Class 1.

Baker, H. W. Linen Company, New York, N. Y. Bath towels. Serial No. 549,860, Feb. 8. Class 42.

Bash, John M., doing business as Phillips Chemical Company, Chicago, Ill. Cleaning compounds and solvents. Serial No. 506,154, Feb. 8. Class 4.

Becker, Alexander, doing business as British Wool Company, London Knitting Company and British Knitwear Company, Wembley, England. Yarn and thread. Serial No. 558,775, Feb. 8. Class 43.

Ben-Hur Products, Inc., New York, N. Y. Hair rollers. Serial No. 541,913, Feb. 8. Class 40.

Blair of Virginia: *See*—
Morton Manufacturing Corporation.

Blue Seal Extract Company. Grape beverage base or extract. Serial No. 547,968, Feb. 8. Class 45.

Bow Corporation, The, Boston, Mass. Finger holder for manicuring purposes. Serial No. 543,877, Feb. 8. Class 44.

Bowles, Frances Porcher, trustee of the estate of E. P. Porcher, Cocoa, Fla., assignor to Adrienne R. Earnhardt, Daytona Beach, Fla. Fresh citrus fruits. Serial No. 531,458, Feb. 8. Class 46.

Brevit Shoes Limited, Leicester, England. Shoes. Serial No. 522,916, Feb. 8. Class 39.

British Knitwear Company: *See*—
Becker, Alexander.

British Wool Company: *See*—
Becker, Alexander.

Brockway Company, The, Naugatuck, Conn. Pipe fittings. Serial No. 516,951, Feb. 8. Class 13.

Bruning, Charles Company, Inc., New York, N. Y. Sensitized photographic paper. Serial No. 530,165, Feb. 8. Class 26.

Buettner, T. & Co., Inc., Chicago, Ill. Needles; crochet hooks and knitting needles, etc. Serial No. 537,548, Feb. 8. Class 40.

Burlington Mills Corporation, Greensboro, N. C. Piece goods. Serial No. 555,151, Feb. 8. Class 42.

Calorie Stove Corporation, Philadelphia, Pa. Temperature regulating apparatus. Serial No. 526,690, Feb. 8. Class 26.

Carr, Adams & Collier Company, Dubuque, Iowa. Garage doors. Serial No. 545,580, Feb. 8. Class 12.

Carry-Cab Corporation, New York, N. Y. Baby carriages. Serial No. 541,087, Feb. 8. Class 19.

Celanese Corporation of America, New York, N. Y. Envelopes, envelope windows, papery material, etc. Serial No. 505,556, Feb. 8. Class 37.

Century Publication, Chicago, Ill. Periodical magazine. Serial No. 521,798, Feb. 8. Class 38.

Chase Bag Company, New York, N. Y. Twine. Serial No. 558,468, Feb. 8. Class 7.

Cincinnati Clock & Instrument Co., Cincinnati, Ohio. Cameras and film spools. Serial No. 531,648, Feb. 8. Class 26.

Cleveland-Cliffs Iron Company, The, Cleveland, Ohio. Coal. Serial No. 547,234, Feb. 8. Class 1.

Coe Laboratories, Inc., Chicago, Ill. Dental publications. Serial No. 544,673, Feb. 8. Class 38.

Columbus McKinnon Chain Corporation, The, Tonawanda, N. Y. Tire-chains. Serial No. 510,424, Feb. 8. Class 13.

Columbus Show Case Co., The, Columbus, Ohio. Store furniture. Serial No. 534,415, Feb. 8. Class 32.

Conn, C. G., Ltd., Elkhart, Ind. Musical, various sound-emitting and precussion instruments, parts thereof and attachments therefor. Serial No. 529,528, Feb. 8. Class 36.

Continental Candy Company, New Hyde Park, N. Y. Candy. Serial No. 522,921, Feb. 8. Class 46.

Continental Furniture Company, The, High Point, N. C. Bedroom furniture. Serial No. 545,849, Feb. 8. Class 32.

Continental Paint & Varnish Co., Chicago, Ill. Paint enamel in liquid and paste form. Serial No. 539,659, Feb. 8. Class 16.

Continental Sales Corporation, Indianapolis, Ind. Bath cabinets. Serial No. 523,770, Feb. 8. Class 44.

Cook Chemical Company, Kansas City, Mo. Weed killer and insecticide. Serial No. 509,973, Feb. 8. Class 6.

Creamette Company, The, Minneapolis, Minn. Spaghetti sauce. Serial No. 543,899, Feb. 8. Class 46.

Davis, Charles H., trustee for H. V., C. W., Jr., H. L., M. E., and J. F. Loufek, now J. F. Kimport, beneficiaries of the donor, C. W. Loufek, doing business as Hygeno Litter Company, Minneapolis, Minn. Poultry litter. Serial No. 532,260, Feb. 8. Class 1.

Davis, Latta O., Noblesville, Ind. Combination screen and ventilator storm sash. Serial No. 541,651, Feb. 8. Class 12.

Derby Sportswear, Inc., New York, N. Y. Misses' and junior misses' suits, outer skirts, jackets, etc. Serial No. 518,207, Feb. 8. Class 39.

Ditto, Incorporated, Chicago, Ill. Partially printed business forms. Serial No. 544,065, Feb. 8. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Water soluble colored indelible pencils. Serial No. 547,521, Feb. 8. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 547,522, Feb. 8. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial Nos. 547,525–6, Feb. 8. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils and penholders. Serial No. 547,527, Feb. 8. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 547,528, Feb. 8. Class 37.

Double Seal Ring Company, Fort Worth, Tex. Metallic and non-metallic piston rings and rod packing. Serial No. 515,944, Feb. 8. Class 35.

Drake Paint Company, Chicago, Ill. Liquid resinous paint. Serial No. 539,675, Feb. 8. Class 16.

Drexel Furniture Company, Drexel, N. C. Bedroom, dining room, and living room furniture. Serial No. 534,883, Feb. 8. Class 32.

Dutch Mill Candy Co., Chicago, Ill. Candies. Serial No. 506,740, Feb. 8. Class 46.

Earnhardt, Adrienne R.: *See*—
Bowles, Frances P.

Eberle Tanning Company, Westfield, Pa. Sole leather. Serial No. 546,831–3, Feb. 8. Class 1.

Eberle Tanning Company, Westfield, Pa. Sole leather. Serial No. 546,835, Feb. 8. Class 1.

Eberle Tanning Company, Westfield, Pa. Sole leather. Serial No. 546,837, Feb. 8. Class 1.

Elco Tool and Screw Corporation, Rockford, Ill. Catalogs and house organs. Serial No. 533,554, Feb. 8. Class 38.

Electric Eye Equipment Corporation, Danville, Ill. Electronically timed telegraph key with automatic keying relay and monitor. Serial No. 545,359, Feb. 8. Class 21.

Ellison Louvre Company, Inc., Marietta, Ohio. Metal ventilators. Serial No. 530,748, Feb. 8. Class 12.

Elsworth, J. & J. W., Co., New York, N. Y. Oysters in their natural state. Serial No. 543,582, Feb. 8. Class 46.

Essential Products, Inc., Chicago, Ill. Non-woven cloth. Serial No. 556,787, Feb. 8. Class 42.

Everlast Pen Corporation, New York, N. Y. Fountain pens, ball pens, and mechanical pencils. Serial No. 528,711, Feb. 8. Class 37.

Farley, C. J., & Company, Grand Rapids, Mich. Infants' and toddlers' dresses, slips, sweaters, etc. Serial No. 521,804, Feb. 8. Class 39.

Faultless Rubber Company, The, Ashland, Ohio. Baby hotwater bottles, breast pumps, bulb syringes, etc. Serial No. 532,128, Feb. 8. Class 44.

Fine Foods, Inc., Seattle, Wash. Canned vegetables. Serial No. 540,658, Feb. 8. Class 46.
Floridin Company, Warren, Pa. Fuller's earth. Serial No. 546,844, Feb. 8. Class 1.
Formulette Company, Inc., New York, N. Y. Baby kits. Serial No. 517,631, Feb. 8. Class 50.
Frank Tea & Spice Company, The, Cincinnati, Ohio. Prepared mustard. Serial No. 524,696, Feb. 8. Class 46.
Frick Company, Inc., Waynesboro, Pa. Electric, commercial, refrigerating equipment. Serial No. 542,306, Feb. 8. Class 31.
Fulton Specialty Co., Elizabeth, N. J. Stamp pads and rubber stamp ink. Serial No. 538,299, Feb. 8. Class 11.
Gaupel, Roland J., doing business as Roland J. Gaupel Company, Los Angeles, Calif. Folding tables in the nature of furniture. Serial No. 534,268, Feb. 8. Class 32.
Gaupel, Roland J., Company: *See*—
Gaupel, Roland J.
Glidden Company, The, Cleveland, Ohio. Polymerized rosin. Serial No. 546,697, Feb. 8. Class 1.
Goldfield, Victor, doing business as Westward Ho Sportswear, Los Angeles, Calif. Girls' and ladies' dresses, slacks, outer shorts, etc. Serial No. 522,343, Feb. 8. Class 39.
Goldman Fabrics, Inc., New York, N. Y. Printed fabrics. Serial No. 557,354, Feb. 8. Class 42.
Goodall-Sanford, Inc., Sanford, Maine. Fabrics of mohair, cotton, rayon, and aluminum foil, and/or combinations thereof. Serial No. 561,823, Feb. 8. Class 42.
Gottesman & Company, Incorporated, New York, N. Y. Wood pulp. Serial No. 547,849, Feb. 8. Class 1.
Great American Tea Company, The, New York, N. Y. Tea. Serial No. 545,371, Feb. 8. Class 46.
Green Contracting and Engineering Company, Inc., Wichita, Kans. Making applications of plastic coatings. Serial No. 542,309, Feb. 8. Class 55.
Grossman, A., New York, N. Y. Envelopes for greeting cards. Serial No. 511,147, Feb. 8. Class 37.
Guerin Mills Inc., Woonsocket, R. I. Worsted piece goods. Serial No. 537,311, Feb. 8. Class 42.
Gummed Products Company, The, Troy, Ohio. Adhesive gummed paper in sheets. Serial No. 533,738, Feb. 8. Class 37.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 521,882, Feb. 8. Class 19.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 524,981, Feb. 8. Class 19.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 524,985, Feb. 8. Class 19.
Harwill, Inc., St. Charles, Mich. Power boats and row boats. Serial No. 522,807, Feb. 8. Class 19.
Helm Specialty Company, Middletown, Ohio. Hand-operated fish scalers. Serial No. 506,315, Feb. 8. Class 23.
Hercules Powder Company, Wilmington, Del. Blasting caps. Serial No. 549,398, Feb. 8. Class 9.
Hercules Powder Company, Wilmington, Del. Smokeless powder. Serial No. 552,322, Feb. 8. Class 9.
Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. Serial No. 475,114, Feb. 8. Class 6.
Hill, Thomson, & Co. Limited, Edinburgh, Scotland. Blended Scotch whisky. Serial No. 547,118, Feb. 8. Class 49.
Hill, Thomson, & Co. Limited, Edinburgh, Scotland. Blended Scotch whisky. Serial No. 547,120, Feb. 8. Class 49.
Hirsch, O. B., Co., Inc., New York, N. Y. Machetes. Serial No. 546,448, Feb. 8. Class 28.
Hopkins, Alice B., Columbia, S. C. Girls' dresses. Serial No. 534,021, Feb. 8. Class 39.
Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. Serial No. 536,606, Feb. 8. Class 6.
House Beautiful Curtains, Inc., New York, N. Y. Shower curtains. Serial No. 516,284, Feb. 8. Class 42.
Hygeno Litter Company: *See*—
Davis, Charles H., trustee.
Industrial Tape Corporation, New Brunswick, N. J. Normally tacky and pressure-sensitive adhesive tapes. Serial No. 493,124, Feb. 8. Class 5.
Imporiginals, Inc., New Rochelle, N. Y. Boys' and girls' suits, jackets, slacks, etc. Serial No. 522,323, Feb. 8. Class 39.
International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies, telephones and telephone supplies. Serial No. 491,329, Feb. 8. Class 21.
International Harvester Company, Chicago, Ill. Cotton pickers, cotton harvesters, and parts thereof. Serial No. 494,978, Feb. 8. Class 23.
International Rustproof Corporation, Cleveland, Ohio. Detergent in liquid form. Serial No. 540,074, Feb. 8. Class 4.
Jacoby-Bender, Inc., New York, N. Y. Men's expansion bracelets and links therefor. Serial No. 518,005, Feb. 8. Class 28.
Janisch Roofing Company: *See*—
Janisch, Walter C.
Janisch, Walter C., doing business as Janisch Roofing Company, Janesville, Wis. Specially prepared loose fill thermal insulation. Serial No. 537,456, Feb. 8. Class 12.
Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Lightweight metallic structural shapes and joist hangers. Serial No. 528,479, Feb. 8. Class 12.
Kalybabs Gust, Kirkland, Wash. Marine boats. Serial No. 486,306, Feb. 8. Class 19.
Kentucky Looms, Inc., The, Louisville, Ky. Scarf headpiece. Serial No. 489,073, Feb. 8. Class 39.
Kimport, Julia F., beneficiary: *See*—
Davis, Charles H., trustee.
Korée, Jean U., New York, N. Y. Medicinal preparation containing penicillin. Serial No. 540,757, Feb. 8. Class 6.
Lancome, S. A., Paris, France. All kinds of beauty creams and oils. Serial No. 522,146, Feb. 8. Class 6.
Lang Jewelry Company, Providence, R. I. Sterling silver costume jewelry. Serial No. 520,044, Feb. 8. Class 28.
Leas & McVitty, Inc., Philadelphia, Pa. Tanned leather in the piece. Serial No. 547,131, Feb. 8. Class 1.
Legge, Walter G., Company, Inc., New York, N. Y. Liquid non-slip polish. Serial No. 532,142, Feb. 8. Class 16.
Lincoln Laboratories, Incorporated, Decatur, Ill. Medicinal preparation. Serial No. 511,335, Feb. 8. Class 6.
Lindsay Company, The, St. Paul, Minn. Water softening apparatus. Serial No. 541,311, Feb. 8. Class 31.
London Knitting Company: *See*—
Becker, Alexander.
Loufek, Charles W., Jr., beneficiary: *See*—
Davis, Charles H., trustee.
Loufek, Helen L., beneficiary: *See*—
Davis, Charles H., trustee.
Loufek, Henriette V., beneficiary: *See*—
Davis, Charles H., trustee.
Loufek, Julia F., beneficiary: *See*—
Davis, Charles H., trustee.
Loufek, Matthew E., beneficiary: *See*—
Davis, Charles H., trustee.
Lyon, Incorporated, Detroit, Mich. Ornamental trim for automobile wheels. Serial No. 546,715, Feb. 8. Class 19.
Malleable Iron Fittings Company, Branford, Conn. Pipe fittings, highway guard rail fittings, end fittings, etc. Serial No. 534,298, Feb. 8. Class 13.
Mann Chemical Company: *See*—
Mann, Irwin.
Mann, Irwin, doing business as Mann Chemical Company, Detroit, Mich. Ointment. Serial No. 514,053, Feb. 8. Class 6.
Master Lock Company, Milwaukee, Wis. Locks. Serial No. 511,632, Feb. 8. Class 25.
Master Vintners Wine Co.: *See*—
Vineyards, Cella.
McBride & Hall, Orange, Calif. Hair rinse and conditioner. Serial No. 525,314, Feb. 8. Class 6.
McGinty Cigar Company: *See*—
McGinty, Joseph B.
McGinty, Joseph B., doing business as McGinty Cigar Company, Minneapolis, Minn. Cigars. Serial No. 507,647, Feb. 8. Class 17.
McGraw-Hill Publishing Company, Inc., New York, N. Y. House organ. Serial No. 552,997, Feb. 8. Class 38.
Merlino, D. & Sons: *See*—
Merlino, Domenico.
Merlino, Domenico, doing business as D. Merlino & Sons, Oakland, Calif. Alimentary paste products. Serial No. 535,731, Feb. 8. Class 46.
Merrimac Mills Company, Methuen, Mass. Textile fabrics in the piece. Serial No. 530,754, Feb. 8. Class 42.
Mexico Refractories Company, Mexico, Mo. Crushed fire brick aggregate. Serial No. 541,858, Feb. 8. Class 12.
Mexico Refractories Company, Mexico, Mo. Refractory coating material. Serial No. 542,036, Feb. 8. Class 12.
Mexico Refractories Company, Mexico, Mo. Insulating fire brick. Serial No. 544,587, Feb. 8. Class 12.
Mid-States Gummed Paper Co., Chicago, Ill. Transparent gelatine paper. Serial No. 543,011, Feb. 8. Class 37.
Mid-States Gummed Paper Co., Chicago, Ill. Gummed tape. Serial No. 543,367, Feb. 8. Class 5.
Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. Serial No. 527,677, Feb. 8. Class 16.
Min Sun Trading Company, Chicago, Ill. Chow mein noodles, soy sauce, bamboo shoots, etc. Serial No. 514,616, Feb. 8. Class 46.
Molinari, David A., San Francisco, Calif. Perfume, toilet water, cologne, etc. Serial No. 534,308, Feb. 8. Class 6.
Monet, Henri: *See*—
Hieber, William S.
Morton Manufacturing Corporation, doing business as Blair of Virginia, Lynchburg, Va. Cosmetics. Serial No. 504,921, Feb. 8. Class 6.
Myerson Tooth Corporation, Cambridge, Mass. Acrylic denture material. Serial No. 542,778, Feb. 8. Class 44.
National Chemical & Manufacturing Company, Chicago, Ill. Plastic paints. Serial No. 526,703, Feb. 8. Class 16.
National Cylinder Gas Company, Chicago, Ill. Welding and cutting apparatus, and components thereof. Serial No. 546,413, Feb. 8. Class 34.

National Distillers Products Corporation, New York, N. Y. Whiskey. Serial No. 546,509, Feb. 8. Class 49.
National Safety Council, Chicago, Ill. Various educational publications. Serial No. 523,791, Feb. 8. Class 38.
National Starch Products Inc., New York, N. Y. Glue. Serial No. 542,480, Feb. 8. Class 5.
Natural Cosmetics Laborstories, Inc., Cleveland, Ohio. Cosmetic products. Serial No. 536,276, Feb. 8. Class 6.
New York Feather Co., Brooklyn, N. Y. Pillows. Serial No. 548,601, Feb. 8. Class 32.
Norcross, Inc., New York, N. Y. Greeting card, printed greeting folders, calendars, etc. Serial No. 522,061, Feb. 8. Class 38.
Nu-Enamel Corporation, Chicago, Ill. Liquid paint enamel. Serial No. 512,130, Feb. 8. Class 16.
Ohio Galvanizing & Manufacturing Company, The, Niles, Ohio. Ice cans. Serial No. 540,099, Feb. 8. Class 31.
Ol Mammy Company, Enfield, N. C. Raw peanuts. Serial No. 537,075, Feb. 8. Class 46.
Opinion Research Corporation, Princeton, N. J. Magazine. Serial No. 549,572, Feb. 8. Class 38.
Ostrowitz, Sidney, doing business as Standard Confections Co., Brooklyn, N. Y. Candy. Serial No. 548,098, Feb. 8. Class 46.
Pakula and Company, Chicago, Ill. Jewelry. Serial No. 529,924, Feb. 8. Class 28.
Palace Corporation, Flint, Mich. House trailers. Serial No. 539,430, Feb. 8. Class 19.
Palmer Candy Company: *See*—
Palmer, W. B.
Palmer, W. B., Estate, doing business as Palmer Candy Company, Sioux City, Iowa. Candy. Serial No. 540,103, Feb. 8. Class 46.
Patrick Sales Co.: *See*—
Pohlmann, Lillie M.
Pedigree Fabrics, Inc., New York, N. Y. Woven fabric. Serial No. 520,296, Feb. 8. Class 42.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Cleaning composition. Serial Nos. 521,400–1, Feb. 8. Class 4.
Pepperell Manufacturing Company, Boston, Mass. Cotton piece goods. Serial No. 556,470, Feb. 8. Class 42.
Phillips Chemical Company: *See*—
Bash, John M.
Phillips Manufacturing Company, Chicago, Ill. Power spray washers for metal cleaning. Serial No. 506,195, Feb. 8. Class 23.
Pilot Distributing Company, Battle Creek, Mich. Filing spindles. Serial No. 545,532, Feb. 8. Class 37.
Pittsburgh Plate Glass Company, Pittsburgh, Pa. Canvas sealer, masking liquid and polish cleaner, etc. Serial No. 518,559, Feb. 8. Class 16.
Pohlmann, Lillie M., San Francisco, Calif., doing business as Patrick Sales Co. Eyeglass cleaner. Serial No. 547,656, Feb. 8. Class 4.
Ponemah Mills, Taftville, Conn. Rayon piece goods. Serial No. 530,958, Feb. 8. Class 42.
Porcher, E. P., Estate of: *See*—
Bowles, Frances P.
Port, Paul S., Cincinnati, Ohio. Accounting, bookkeeping, audit and tax service. Serial No. 531,708, Feb. 8. Class 55.
Quaker Rubber Corporation, Philadelphia, Pa. Transmission belting. Serial No. 554,601, Feb. 8. Class 35.
Quaker Rubber Corporation, Philadelphia, Pa. Transmission belting. Serial No. 554,606, Feb. 8. Class 35.
Quvas Products Inc., West Orange, N. J. Electrical measuring instruments. Serial No. 510,402, Feb. 8. Class 26.
Redhurd Corporation, Terre Hante, Ind. Pure concentrated whole eggs and yolks. Serial No. 545,392, Feb. 8. Class 46.
Reeder, Oliver, & Son, Incorporated, Baltimore, Md. Antifouling composition in the nature of a paint. Serial No. 546,512, Feb. 8. Class 16.
Rosenberg Furs, Charleroi, Pa. Fur garment storage. Serial No. 502,078, Feb. 8. Class 55.
Roesiger, H. P., & Co., Inc., New York, N. Y. Coal tar dyestuffs. Serial No. 559,736, Feb. 8. Class 6.
Ruberoid Co., The, New York, N. Y., and Round Brook, N. J. Asphalt composition roofing shingles. Serial No. 547,776, Feb. 8. Class 12.
Sanitek Products Company, assignor to Sanitex Products, Inc., Los Angeles, Calif. Floor wax. Serial No. 502,769, Feb. 8. Class 16.
Sanitex Products, Inc., assignee: *See*—
Sanitek Products Company.
Sapolin Co. Inc., New York, N. Y., now by change of name Sapolin Paints Inc. Ready mixed paint. Serial No. 519,035, Feb. 8. Class 16.
Sapolin Paints Inc.: *See*—
Sapolin Co. Inc.
Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece made of rayon. Serial No. 553,412, Feb. 8. Class 42.
Sears, Roebuck and Co., Chicago, Ill. Photographic chemicals. Serial No. 544,776, Feb. 8. Class 6.
Shankel Mill Company, Incorporated, Bristol, Va. Wheat flour. Serial No. 534,382, Feb. 8. Class 46.
Silvain, André, Roubaix (Nord), France. Corsets, girdles, brassières, etc. Serial No. 543,538, Feb. 8. Class 39.
Societe Anonyme des Anciens Etablissements Martin Freres, Paris, France. Wood-wind musical instruments. Serial No. 504,265, Feb. 8. Class 26.
Southern Dairies, Inc., Washington, D. C. Printed periodical publications. Serial No. 536,964, Feb. 8. Class 38.
Southern Wood Preserving Company, Eastpoint, Ga. Chemically treated wood poles and posts. Serial No. 544,472, Feb. 8. Class 12.
Standard Confections Co.: *See*—
Ostrowitz, Sidney.
Stanley, John T., Company, Inc., New York, N. Y. Powdered car washes, non-alkaline auto washes, prepolishing cleansers, etc. Serial No. 546,330, Feb. 8. Class 4.
Sta-Tite Snath Company, Shelbyville, Ind. Scythe snaths. Serial No. 542,677, Feb. 8. Class 23.
Stetson Paint & Varnish Company, Chicago, Ill. Utility paint. Serial No. 539,771, Feb. 8. Class 16.
Stetson Paint & Varnish Company, Chicago, Ill. Liquid paint enamel. Serial No. 539,773, Feb. 8. Class 16.
Stetson Paint & Varnish Company, Chicago, Ill. Liquid coating composition. Serial No. 539,777, Feb. 8. Class 16.
Stetson Paint & Varnish Company, Chicago, Ill. Paint and paint enamel. Serial No. 539,785, Feb. 8. Class 16.
Sundsy Creek Coal Company, The, Columbus, Ohio. Coal. Serial No. 534,938, Feb. 8. Class 1.
Swank, Inc., Attleboro, Mass. Wallets or billfolds. Serial No. 535,769, Feb. 8. Class 3.
T-Top Company, Salem, Mass. Removable tops. Serial No. 491,141, Feb. 8. Class 32.
Teich, Curt, & Company, Chicago, Ill. Multi-colored post cards or pictorial illustrations. Serial No. 527,113, Feb. 8. Class 38.
Tide Publishing Company, Inc., New York, N. Y. Periodical publication. Serial No. 521,223, Feb. 8. Class 38.
Timken-Detroit Axle Company, The, Detroit, Mich. Vehicle axles and parts thereof. Serial No. 477,724, Feb. 8. Class 19.
Triangle Chemical Company, Macon, Ga. Soapless cleanser. Serial No. 556,932, Feb. 8. Class 4.
Trico Products Corporation, Buffalo, N. Y. Fluid operated automobile accessories. Serial No. 521,040, Feb. 8. Class 19.
Two Steeples Limited, Wigston Magna, England. Yarns of wool, worsted or hair. Serial No. 561,698, Feb. 8. Class 43.
Ullmann, Bernhard, Co. Inc., Long Island City, N. Y. Art needlework yarns. Serial No. 560,667, Feb. 8. Class 43.
Union Wire Rope Corporation, Kansas City, Mo. Slings formed of wire rope or cable. Serial No. 559,190, Feb. 8. Class 7.
United Aircraft Products, Inc., Dayton, Ohio. Automatic cut-off valves. Serial No. 479,501, Feb. 8. Class 13.
United Co-operatives, Inc., Alliance, Ohio. Asphaltic roll roofing, thick butt strip shingles and hexagonal shingles. Serial No. 535,908, Feb. 8. Class 12.
United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Heat conducting adhesive cement. Serial No. 504,947, Feb. 8. Class 5.
United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Heat conducting adhesive cement. Serial No. 504,949, Feb. 8. Class 5.
United States Rubber Company, New York, N. Y. Solvent solutions. Serial No. 514,314, Feb. 8. Class 16.
United States Rubber Company, New York, N. Y. Wide elastic fabric. Serial No. 522,048, Feb. 8. Class 42.
Valley Paper Company, Holyoke, Mass. Writing, typewriter and printing paper. Serial No. 527,650, Feb. 8. Class 37.
Vineyards, Cella, doing business as Master Vintners Wine Co., Reedley, Calif. Wines. Serial No. 548,135, Feb. 8. Class 47.
Washington, Martha, Ice Cream Corporation, Bloomfield, N. J. Ice cream. Serial No. 519,824, Feb. 8. Class 46.
Welcome Wagon Service Company, Inc., Memphis, Tenn., and New York, N. Y. Advertising service. Serial No. 538,326, Feb. 8. Class 55.
Western Electrochemical Company, Los Angeles, Calif. Agricultural mineral. Serial No. 555,976, Feb. 8. Class 10.
Westward Ho Sportswear: *See*—
Goldfield, Victor.
Whitehall Pharmacal Company, assignor to Affiliated Products, Inc., New York, N. Y., now by change of name Whitehall Pharmacal Company. Counter-irritant salve or rub. Serial No. 537,640, Feb. 8. Class 6.
Willi. Forster & Co., St. Gall, Switzerland. Laces, and embroideries. Serial No. 534,102, Feb. 8. Class 42.
Winkenweder & Ladd, Inc., Chicago, Ill. Water solvent, dehydrating agent, rust inhibitor, corrosion inhibitor, etc. Serial No. 529,328, Feb. 8. Class 6.
Wisconsin Honey Farm: *See*—
Aeppler, C. W.
Wol Drug Company, Milwaukee, Wis. Cosmetic preparations. Serial No. 517,028, Feb. 8. Class 6.
Wood, John, Manufacturing Company, Inc., Conshohocken and Philadelphia, Pa., and Chicago, Ill. Range boilers, gas water heaters, expansion tanks, etc. Serial No. 549,401, Feb. 8. Class 34.
Wyeth Incorporated, Philadelphia, Pa. Allergens, antibiotics, vitamin B-complex, etc. Serial No. 536,208, Feb. 8. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abercrombie & Fitch Company, New York, N. Y. Dart boards, beach equipment. 506,448, Feb. 8; Serial No. 530,045, published Oct. 5, 1948. Class 22.
Acme Steel Company, Chicago, Ill. Stretchers and sealers. 241,287, Apr. 24, 1928. Republished Feb. 8. Class 23.
Acme White Lead & Color Works, Detroit, Mich. Varnishes. 253,557, renewed Feb. 26, 1949. O. G. Feb. 8. Class 16.
Adair, John T., doing business as Adair's Drug Stores, to The Lucile Company, Lexington, Ky. Medical preparation. 246,297, renewed Sept. 4, 1948. O. G. Feb. 8. Class 6.
Adair's Drug Stores: *See*—
Adair, John T.
Adco, Inc., Sedalia, Mo. Product for deodorising and perfuming interior spaces. 506,397, Feb. 8; Serial No. 510,635, published Oct. 26, 1948. Class 6.
Addressograph-Multigraph Corporation: *See*—
Speedaumatic Company, The.
Aeschbach, F., and S. A., Aarau, Switzerland. Machines for bakeries and confectioneries. 231,276, renewed Aug. 16, 1947. O. G. Feb. 8. Class 23.
A-Jus-Tee Co.: *See*—
Reifman, Leo.
Aldan Rubber Company: *See*—
Schwarzwaelder Company.
Alexander Marketing Company, San Benito, Tex. Fresh vegetables. 369,290, July 18, 1939. Republished Feb. 8. Class 46.
Allen, Mary L., Newark, N. J. Hair and scalp cream preparations. 442,066, Feb. 8; Serial No. 522,298, published Nov. 2, 1948. Class 6.
Almay, Inc., New York, N. Y. Face powder, lipstick, rouge, etc. 442,037, Feb. 8; Serial No. 515,355, published Sept. 21, 1948. Class 6.
Aluminum Company of America, Pittsburgh, Pa. Caps and closure seals. 245,388, renewed Aug. 14, 1948. O. G. Feb. 8. Class 50.
Alves, David S., Richmond, Calif. Bowling game. 442,003, Feb. 8; Serial No. 502,551, published June 17, 1947. Class 22.
Ame Cosmetic Company: *See*—
Ame, Frank.
Ame, Frank, doing business as Ame Cosmetic Company, New Haven, Conn. Hair lotion, hair tonic, shampoo, etc. 506,541, Feb. 8; Serial No. 543,049, published Sept. 28, 1948. Class 6.
American Brake Shoe Company, New York, N. Y. Car wheels, brake shoes, brake shoe keys, etc. 506,411, Feb. 8; Serial No. 520,667, published Oct. 5, 1948. Class 19.
American Nickeloid Company, to American Nickeloid Company, Peru, Ill. Chromium-coated sheets and chromium-coated rolls of sheet metal. 248,980, renewed Nov. 6, 1948. O. G. Feb. 8. Class 14.
American Seating Company, Grand Rapids, Mich. Classroom furniture. 431,491, July 22, 1947. Republished Feb. 8. Class 32.
American Seating Company, Grand Rapids, Mich. Classroom chairs. 433,321, Oct. 7, 1947. Republished Feb. 8. Class 32.
American Smelting and Refining Company: *See*—
Baltimore Copper Smelting and Rolling Company.
American Viscose Corporation: *See*—
Viscose Company, The.
Amorskin, Inc.: *See*—
Zang, Perry N.
Amphac Laboratories, Inc., Everett, Wash. Medicinal preparation. 506,571, Feb. 8; Serial No. 549,106, published Nov. 2, 1948. Class 6.
Amplex Manufacturing Company, Detroit, assignor, by mesne assignments, to Chrysler Corporation, Highland Park, Mich. Automobiles and their structural parts. 247,898, renewed Oct. 9, 1948. O. G. Feb. 8. Class 19.
Arisona Citrus Growers: *See*—
Arisona Citrus Growers' Co.
Arisona Citrus Growers, Phoenix, Aris. Fresh citrus fruits. 250,623–4, Dec. 11, 1928. Republished Feb. 8. Class 46.
Arisona Citrus Growers' Co., by Arisona Citrus Growers, Phoenix, Aris. Fresh citrus fruits. 170,516, July 17, 1923. Republished Feb. 8. Class 46.
Armand Company, The, Des Moines, Iowa. Cologne. 442,026, Feb. 8; Serial No. 512,227, published Nov. 2, 1948. Class 6.
Arnold, Dean A., doing business as Dean Arnold Co., to Bourjois, Inc., New York, N. Y. Dandruff massage shampoo. 419,676, Feb. 26, 1946. New certificate. O. G. Feb. 8. Class 6.
Arnold, Dean Co.: *See*—
Arnold, Dean A.
Arnold, S. M., Inc., St. Louis, Mo. Sponges. 506,547, Feb. 8; Serial No. 543,406, published Oct. 26, 1948. Class 1.
Art Metal Construction Company: *See*—
Postindex Company, Inc.

Associated Merchandising Corporation, New York, N. Y. Assorted candies. 506,501, Feb. 8; Serial No. 536,661, published Oct. 19, 1948. Class 46.
Atlantic Mills, Providence, R. I., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen piece goods. 155,199, May 23, 1922. Republished Feb. 8. Class 42.
Atlantic Mills, The, Olneyville, R. I., and Stottville, N. Y., by A. D. Juilliard & Co., Inc., New York, N. Y. Woolen textile fabrics in the piece. 281,232, Mar. 10, 1931. Republished Feb. 8. Class 42.
Atlas Powder Company, Wilmington, Del. Emulsifying, dispersing, solubilising, and wetting agents. 506,552, Feb. 8; Serial No. 543,872, published Sept. 21, 1948. Class 6.
Averill, Floyd N., Jr., doing business as Santiseptic Company, Portland, Oreg. Mouth wash, and a lotion for the skin. 506,567, Feb. 8; Serial No. 548,561, published Oct. 26, 1948. Class 6.
Avon Products, Inc., New York, N. Y. Cosmetic sets. 442,014, Feb. 8; Serial No. 509,557, published Oct. 5, 1948. Class 6.
B-L Electric Maufacturig Company, assignor to The Benwood-Linze Company, St. Louis, Mo. Syringe which is provided with a float. 442,062, Feb. 8; Serial No. 521,427, published Oct. 12, 1948. Class 28.
Baldwin Locomotive Works, The: *See*—
Standard Steel Works Company.
Ballou, B. A., & Co., Incorporated, Providence, R. I. Jewelry. 317,247, Sept. 18, 1934. Republished Feb. 8. Class 28.
Bally & Tweedy Association: *See*—
Tweedy, James K.
Baltimore Copper Smelting and Rolling Company, Baltimore, Md., to American Smelting and Refining Company, New York, N. Y. Copper manufactures. 32,595, renewed Mar. 14, 1949. O. G. Feb. 8. Classes 13 and 14.
Bank of America National Trust and Savings Association, San Francisco, Calif. Check books. 402,500, July 27, 1943. Republished Feb. 8. Class 37.
Beam Manufacturing Company: *See*—
Solar Corporation.
Beckwith Company, The, Reedley, by Planada Packers, Planada, Calif. Preserved fruits. 161,918, Nov. 28, 1922. Republished Feb. 8. Class 46.
Beeflet Sandwich Shops, Inc.: *See*—
Spranso, Richard.
Belgard-Spero: *See*—
House of Vision-Belgard-Spero Inc., The.
Bendix Aviation Corporation: *See*—
Eclipse Machine Company.
Benoit, Constant, by Permatex Company, Inc., New York, N. Y. Ready-mixed adhesive shellac. 93,418, Sept. 16, 1918. Republished Feb. 8. Class 16.
Benrus Watch Company, Inc., New York, N. Y. Watches and attached bracelets. 435,471, Dec. 30, 1947. Republished Feb. 8. Class 27.
Benwood-Linze Company: *See*—
B-L Electric Manufacturing Company.
Berghoff Brewing Corporation, Fort Wayne, Ind. Malt beverage. 304,472, July 11, 1933. Republished Feb. 8. Class 48.
Berghoff Brewing Corporation, Fort Wayne, Ind. Malt beverages. 312,693, May 8, 1934. Republished Feb. 8. Class 48.
Berghoff Brewing Corporation, Fort Wayne, Ind. Malt beverages. 393,963, Mar. 10, 1942. Republished Feb. 8. Class 48.
Berner, Robert L., Company, Chicago, Ill. Wax covered fresh parsnips. 506,407, Feb. 8; Serial No. 518,272, published Oct. 19, 1948. Class 46.
Birmingham Paper Company, Birmingham, Ala. Writing paper, drawing paper, tablets, and composition books. 228,077, May 24, 1927. Republished Feb. 8. Class 37.
Birmingham Paper Company, Birmingham, Ala. School tablets, pads, blank books, etc. 353,542, Jan. 11, 1938. Republished Feb. 8. Class 37.
Bissell Varnish Company, The, Bridgeport, Conn. Varnishes. 506,488, Feb. 8; Serial No. 535,295, published Oct. 19, 1948. Class 16.
Blake, Elisabeth V. W., Wilmington, Del. Hair tonic, face cream, talcum powder, etc. 506,562, Feb. 8; Serial No. 545,812, published Sept. 28, 1948. Class 6.
Block, H & L: *See*—
Block, Charles A.
Block, H. & L., Ltd.
Block, Charles A., doing business as H & L Block, by H & L Block, San Francisco, Calif. Jackets. 401,986, June 22, 1943. Republished Feb. 8. Class 39.
Block, H. & L., Ltd., by H & L Block, San Francisco, Calif. Coats and leather coats, leather vests, leather breeches, etc. 298,355, Oct. 25, 1932. Republished Feb. 8. Class 39.
Block, H. & L., Ltd., by H & L Block, San Francisco, Calif. Coats and leather coats, leather jackets, leather vests, etc. 298,726, Nov. 1, 1932. Republished Feb. 8. Class 39.

Block, H & L, Ltd., by H & L Block, San Francisco, Calif. Outer shirts. 386,725, Apr. 22, 1941. Republished Feb. 8. Class 39.
Blue Ribbon Paint Company, Wheeling, W. Va. Varnishes. 506,518, Feb. 8; Serial No. 540,369, published Oct. 19, 1948. Class 16.
Bo-Kay Perfume Co., Inc., New York, N. Y. Talcum powder, face powder, and medicated powder. 506,556, Feb. 8; Serial No. 544,969, published Sept. 28, 1948. Class 6.
Bonat & Bonat, Inc.: *See*—
Bonat, Samuel, & Bro.
Bonat, Samuel, & Bro., by Bonat & Bonat, Inc., New York, N. Y. Strips used in permanent waving of the hair. 238,224, Jan. 31, 1928. Republished Feb. 8. Class 44.
Bonat, Samuel, & Bro., by Bonat & Bonat, Inc., New York, N. Y. Steam pads. 238,225, Jan. 31, 1928. Republished Feb. 8. Class 44.
Bostwick Laboratories, Inc., Bridgeport, Conn. Insecticides. 506,569, Feb. 8; Serial No. 548,786, published Oct. 26, 1948. Class 6.
Botany Mills, Inc.: *See*—
Botany Worsted Mills.
Working, K. C., Chemical Co.
Botany Worsted Mills, Passaic, N. J., now by change of name Botany Mills, Inc. Wool detergent. 442,021, Feb. 8; Serial No. 511,262, published Sept. 2, 1947. Class 4.
Boteler, L., trustee: *See*—
Working, K. C., Chemical Co.
Bourjois, Inc.: *See*—
Arnold, Dean A.
Bowler, Richard W., Bellingham, Wash. Waterproof auto top dressing. 248,515, renewed Oct. 23, 1948. O. G. Feb. 8. Class 4.
Brach, E. J., & Sons: *See*—
McDowell, Pyle, & Co.
Brach, E. J., & Sons, Chicago, Ill. Candy. 146,956, Sept. 27, 1921. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 214,857, July 6, 1926. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 269,426, Apr. 8, 1930. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 285,444, July 28, 1931. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 397,672, Sept. 15, 1942. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 424,603, Oct. 15, 1946. Republished Feb. 8. Class 46.
Brach, E. J., & Sons, Chicago, Ill. Candy. 428,388, Mar. 25, 1947. Republished Feb. 8. Class 46.
Breuss, W. F., West New York, N. J. Table cloths, bed spreads, doilies, etc. 435,274, Dec. 16, 1947. Republished Feb. 8. Class 42.
Briardale Co.: *See*—
Spartan Grocers, Inc.
Bridgewater Woolen Company, Woodstock, Vt. Woolen fabrics in the piece. 358,919, July 26, 1938. Republished Feb. 8. Class 42.
Briggs & Stratton Corporation, Milwaukee, Wis. Key code charts. 331,781, Jan. 21, 1936. Republished Feb. 8. Class 38.
Broquinda Corporation, The, St. Petersburg, Fla. Refrigerated trucks, refrigerated semi-trailer trucks, refrigerated trailer trucks, etc. 506,414, Feb. 8; Serial No. 521,175, published Oct. 5, 1948. Class 19.
Brotman Associates, Inc., San Francisco, Calif. Canned chocolate milk. 506,532, Feb. 8; Serial No. 541,806, published Oct. 19, 1948. Class 46.
Brown, James F., doing business as The Roly Poly Co., Cincinnati, Ohio, to Hollywood Brands, Inc., Centralia, Ill. Barley, rice, canned beans, etc. 289,288, renewed Feb. 28, 1948. O. G. Feb. 8. Class 46.
Brownback, Lillian H., doing business as Qui Sait Company, Lindeld, Pa. Perfume. 442,052, Feb. 8; Serial No. 517,235, published Oct. 5, 1948. Class 6.
Brownstein-Louis Company, Los Angeles, Calif. Watch, rule, and slide pockets for men's overalls and men's other outer garments. 254,790, renewed Apr. 2, 1949. O. G. Feb. 8. Class 39.
Bruce, E. L., Co., Memphis, Tenn. Combination hand tool including a steel wool pad. 506,491, Feb. 8; Serial No. 535,471, published Oct. 5, 1948. Class 29.
Buckeye Brewing Co., The: *See*—
Buckeye Producing Co., The.
Buckeye Producing Co., The, by The Buckeye Brewing Co., Toledo, Ohio. Malt sirup. 282,606, Sept. 13, 1927. Republished Feb. 8. Class 48.
Budreau, J. L., & Co.: *See*—
Budreau, Joseph L.
Budreau, J. L., & Company: *See*—
Budreau, Joseph L.
Budreau, Joseph L., doing business as J. L. Budreau & Co., Savannah, Ga., by J. L. Budreau & Company, Presque Isle, Maine. Fresh vegetables. 240,150, Mar. 20, 1928. Republished Feb. 8. Class 46.
Buffalo Fire Appliance Corporation, Dayton, Ohio. Complete and parts of vehicular and portable hand mechanical fire extinguishers; fire ladders and straps therefor; motor driven vehicular fire fighting apparatus. 347,901, July 13, 1937. Republished Feb. 8. Class 23.
Bullen Chemical Company, The: *See*—
Bullen, J. Warren.
Bullen Chemical Company, Inc., The: *See*—
Bullen, J. Warren.
Bullen, J. Warren, by The Bullen Chemical Company, Inc., Folcroft, Pa. Disinfectant. 128,948, Jan. 20, 1920. Republished Feb. 8. Class 6.
Bullen, J. Warren, doing business as The Bullen Chemical Company, by The Bullen Chemical Company, Inc., Folcroft, Pa. Cleanser. 296,324, Aug. 2, 1932. Republished Feb. 8. Class 4.
Bullen, J. Warren, doing business as The Bullen Chemical Company, by The Bullen Chemical Company, Inc., Folcroft, Pa. Disinfectant and insecticide. 300,192, Jan. 10, 1933. Republished Feb. 8. Class 6.
Bullen, J. Warren, doing business as The Bullen Chemical Company, by The Bullen Chemical Company, Inc., Folcroft, Pa. Insecticide and disinfectant. 304,514, July 11, 1933. Republished Feb. 8. Class 6.
Bullen, J. Warren, doing business as The Bullen Chemical Company, by The Bullen Chemical Company, Inc., Folcroft, Pa. Wall coating or paint. 324,466, May 21, 1935. Republished Feb. 8. Class 16.
Bullen, J. Warren, doing business as The Bullen Chemical Co., by The Bullen Chemical Company, Inc., Folcroft, Pa. Liquid compounds. 414,197, May 20, 1945. Republished Feb. 8. Class 6.
Bullen, J. Warren, doing business as The Bullen Chemical Co., by The Bullen Chemical Company, Inc., Folcroft, Pa. Liquid compounds, soaps, and powders. 414,636, June 19, 1945. Republished Feb. 8. Class 4.
Bulova Watch Company, Inc., by Westfield Watch Company, Inc., New York, N. Y. Watches and watch cases. 235,481, Nov. 22, 1927. Republished Feb. 8. Class 27.
Burdick Corporation, The, Milton, Wis. Therapeutic appliances. 506,403, Feb. 8; Serial No. 514,752, published Nov. 2, 1948. Class 44.
Burdsal, A., Company, The, Indianapolis, Ind. Floor enamel and porch paint. 506,425, Feb. 8; Serial No. 526,602, published Oct. 19, 1948. Class 16.
Burlington Mills Corporation: *See*—
Concordia-Gallia Corp.
Stirn, L. & E.
Stirn, L. & E., Inc.
Burroughs Adding Machine Company, Detroit, Mich. Inking ribbons. 506,433, Feb. 8; Serial No. 527,469, published Oct. 26, 1948. Class 11.
Butler, Edgar M., doing business as Butler Engineering Co., New Orleans, La. Self-energising and/or power induced energising electrolytic water correction devices. 442,035, Feb. 8; Serial No. 514,518, published Oct. 26, 1948. Class 21.
Butler Engineering Co.: *See*—
Butler, Edgar M.
California Fruit Growers Exchange: *See*—
Exchange Orange Products Company, The.
Campus Jewelry Products, Inc., Providence, R. I. Jewelry. 442,076, Feb. 8; Serial No. 524,948, published Nov. 2, 1948. Class 28.
Capt. Post Horse Radish & Pickle Co., Inc.: *See*—
Mints, Jack.
Carbide and Carbon Chemicals Corporation, New York, N. Y. Chemical preparation. 442,019, Feb. 8; Serial No. 510,935, published Oct. 19, 1948. Class 6.
Carbutone Manufacturing Co.: *See*—
Ogint, Adam.
Carity, David: *See*—
Carity Hosiery Company.
Carity Hosiery Company, by David Carity, Philadelphia, Pa. Women's hose. 377,495, May 7, 1940. Republished Feb. 8. Class 39.
Cashmere Fruit Growers Union, Cashmere, Wash. Fresh apples. 176,535, Nov. 27, 1923. Republished Feb. 8. Class 46.
Cashmere Fruit Growers Union, Cashmere, Wash. Fresh apples. 183,945, May 13, 1924. Republished Feb. 8. Class 46.
Celanese Corporation of America, New York, N. Y. Chemicals. 506,533, Feb. 8; Serial No. 541,810, published Sept. 21, 1948. Class 6.
Celotex Corporation, The, Chicago, Ill. Saturated felt base roofing and siding products. 406,114, Mar. 14, 1944. Republished Feb. 8. Class 12.
Celotex Corporation, The, Chicago, Ill. Siding. 419,962, Mar. 19, 1946. Republished Feb. 8. Class 12.
Central Scientific Company, Chicago, Ill. Reagents and volumetric solutions. 442,067, Feb. 8; Serial No. 523,077, published Nov. 2, 1948. Class 6.
Chicago Paints, Inc., Chicago, Ill. Paint enamel. 506,509, Feb. 8; Serial No. 538,362, published Oct. 19, 1948. Class 16.
Chicago Upholsterers Supply Co., by Chicago Upholstery Supply Co., Chicago, Ill. Upholstery, pillow and mattress springs, and spring units. 374,783, Jan. 23, 1940. Republished Feb. 8. Class 32.
Chick Bed Company, Cedar Rapids, Iowa. Diatomaceous earth. 506,475, Feb. 8; Serial No. 533,442, published Nov. 2, 1948. Class 1.
Chrysler Corporation, assignee by mesne assignments: *See*—
Amplex Manufacturing Company.
Clamp Nail Company, Chicago, Ill. Miter joint fasteners. 338,443, Sept. 8, 1936. Republished Feb. 8. Class 13.
Clayton, Benjamin: *See*—
Vodol Company.

Cleveland Liner & Manufacturing Company, The, Cleveland, Ohio. Processed or coated cloth. 246,693, renewed Sept. 11, 1948. O. G. Feb. 8. Class 42.

Clover Leaf Paint & Varnish Corporation, Long Island City, N. Y. Varnishes, japans, ready-mixed paints, etc. 506,479, Feb. 8; Serial No. 534,243, published Oct. 19, 1948. Class 16.

Clover Splint Coal Company, to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Coal. 251,028, renewed Dec. 25, 1948. O. G. Feb. 8. Class 1.

Coachella Valley Citrus Association: *See*—
Coachella Valley Grapefruit Association.

Coachella Valley Grapefruit Association, Thermal, by Coachella Valley Citrus Association, Mecca, Calif. Fresh grapefruit. 225,088, Mar. 8, 1927. Republished Feb. 8. Class 46.

Coast-A-Way Toys, Petersburg, Ohio. Toy wagons and wheeled vehicles used on toy roller coasters and tracks therefor. 442,025, Feb. 8; Serial No. 512,159, published Oct. 12, 1948. Class 22.

Cohen, Weenen & Co., Limited, London, England. Smoking tobacco. 248,771, renewed Oct. 30, 1948. O. G. Feb. 8. Class 17.

Coleman, George D., Aberdeen, Miss. Preparations for the hair and scalp. 506,573, Feb. 8; Serial No. 549,421, published Sept. 14, 1948. Class 6.

Colgate-Palmolive-Peet Company: *See*—
Palmolive-Peet Company, The.

Colibri Lighters Limited, London, England. Lighter fuel. 442,064, Feb. 8; Serial No. 521,722, published Sept. 28, 1948. Class 6.

Colorado Chemical Company, Denver, Colo. Medicated cream-like substance. 506,471, Feb. 8; Serial No. 532,911, published Sept. 28, 1948. Class 6.

Colostom-Ease, Inc., Pittsburgh, Pa. Colostomy irrigators and colostomy protectors. 506,519, Feb. 8; Serial No. 540,388, published Oct. 26, 1948. Class 44.

Concordia-Gallia Corp., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 418,028, Nov. 27, 1945. Republished Feb. 8. Class 42.

Concordia-Gallia Corp., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 430,014, June 3, 1947. Republished Feb. 8. Class 42.

Consolidated Chemical Industries, Inc.: *See*—
Pacific Bone Coal & Fertilizing Company.

Consolidated Cosmetics, assignor to Consolidated Cosmetics, Chicago, Ill. Perfume, cologne, deodorant, etc. 506,538, Feb. 8; Serial No. 542,536, published Nov. 2, 1948. Class 6.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 239,327, Feb. 28, 1928. Republished Feb. 8. Class 39.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 239,572, Mar. 6, 1928. Republished Feb. 8. Class 39.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. 240,165, Mar. 20, 1928. Republished Feb. 8. Class 39.

Consolidated Seed Co. (not Inc.): *See*—
Ostberg, John H.

Continental Paint & Varnish Co., Chicago, Ill. Paint in paste and liquid form. 506,513, Feb. 8; Serial No. 539,276, published Oct. 19, 1948. Class 16.

Continental Products, Inc., Chicago, Ill. Pneumatic tire tubes. 417,341, Oct. 23, 1945. Republished Feb. 8. Class 35.

Corn Products Refining Company: *See*—
National Starch Co.

Correct Craft, Inc., Pinecastle and Titusville, Fla., assignee of W. C. Meloon, doing business as Pinecastle Boat and Construction Company. Marine runabouts and cruisers. 506,406, Feb. 8; Serial No. 517,651, published Oct. 5, 1948. Class 19.

Coutinho, Henri, doing business as The Sintos Co., New York, N. Y. Cough syrup. 506,570, Feb. 8; Serial No. 548,805, published Sept. 14, 1948. Class 6.

Cow, P. B., & Co. Limited, London, England. Douche devices, tubular rubber sleeves with conical projections, and hot water bottles. 506,497, Feb. 8; Serial No. 535,820, published Nov. 2, 1948. Class 44.

Crawford Manufacturing Co., Inc., Richmond, Va. Covers for vehicle seats. 163,045, Jan. 2, 1923. Republished Feb. 8. Class 19.

Crescent Insulated Wire & Cable Co., Inc., Trenton, N. J. Rubber-sheathed portable electric cord. 248,787, renewed Oct. 30, 1948. O. G. Feb. 8. Class 21.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,542–4, Feb. 8; Serial Nos. 543,100–2, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,545, Feb. 8; Serial No. 543,121, published Oct. 19, 1948. Class 42.

Crown Controls Company, Inc.: *See*—
Dicke, Carl H.

Crown Products Corporation, San Francisco and Los Angeles, Calif., by Lady's Choice Foods, Los Angeles, Calif. Orange marmalade, honey, sandwich spread, etc. 370,788, Sept. 5, 1939. Republished Feb. 8. Class 46.

Crown Products Corporation, San Francisco and Los Angeles, Calif., by Lady's Choice Foods, Los Angeles, Calif. Vinegar, jams, jellies, fruit preserves, etc. 378,088, May 28, 1940. Republished Feb. 8. Class 46.

Crownover, John M., Tulsa, Okla. Clasps or pins. 442,045, Feb. 3; Serial No. 516,538, published Oct. 26, 1948. Class 28.

Cubbison Cracker Co.: *See*—
Cubbison, Harry G.

Cubbison Cracker Company: *See*—
Cubbison, Harry G.

Cubbison, Harry G., doing business as Cubbison Cracker Co., to Cubbison Cracker Company, Los Angeles, Calif. Toast. 250,962, renewed Dec. 18, 1948. O. G. Feb. 8. Class 46.

Curlex Company, Incorporated, Philadelphia, Pa. Toilet preparations. 506,572, Feb. 8; Serial No. 549,131, published Oct. 26, 1948. Class 6.

Curtis-Martin Newspapers, Inc., Philadelphia, Pa., to The Hearst Corporation, New York, N. Y. Cartoons. 254,337, renewed Mar. 19, 1949. O. G. Feb. 8. Class 38.

Cuthrell Company, Incorporated, The, to B. Marvin Cuthrell, doing business as Cuthrell's Inc., Norfolk, Va. Bicycles. 248,698, renewed Oct. 30, 1948. O. G. Feb. 8. Class 19.

Cuthrell, Marvin B.: *See*—
Cuthrell Company, Incorporated, The.

Cuthrell's Inc.: *See*—
Cuthrell Company, Incorporated, The.

Cutler-Magner Company: *See*—
Smoked Products Company.

Daggett & Ramsdell, assignor to Daggett & Ramsdell, Inc., New York, N. Y. Face powder; preparations for treating the skin: toilet, cleansing, vanishing, and cold creams, etc. 506,568, Feb. 8; Serial No. 548,719, published Oct. 26, 1948. Class 6.

Daggett & Ramsdell, Inc.: *See*—
Daggett & Ramsdell.

Dan-Dee Pretzel and Potato Chip Company, The, Cleveland, Ohio. Pretzels, potato chips, pop corn, etc. 506,446, Feb. 8; Serial No. 529,606, published Oct. 19, 1948. Class 46.

Daumit, Kay, Inc., assignor to Kathryn, Inc., Chicago, Ill. Cologne. 442,008, Feb. 8; Serial No. 506,739, published Oct. 26, 1948. Class 6.

Davis, A., & Sons, Inc., New York, N. Y. Women's and misses' coats and suits. 347,483, June 29, 1937. Republished Feb. 8. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Misses' coats, suits, capes, etc. 391,680, Nov. 18, 1941. Republished Feb. 8. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Women's, ladies', and misses' coats, suits, and jackets. 394,474, Apr. 7, 1942. Republished Feb. 8. Class 39.

Davis, Alonzo E., Montgomery, Ala. Furniture polish. 442,011, Feb. 8; Serial No. 507,574, published Oct. 19, 1948. Class 16.

Davis & Thompson Company to Davis & Thompson, West Allis, Wis. Continuous rotary metal-drilling machines. 249,532, renewed Nov. 13, 1948. O. G. Feb. 8. Class 23.

De Bernardi, D. F., & Co., Inc., San Francisco, Calif. Olive oil. 238,733, Feb. 14, 1928. Republished Feb. 8. Class 46.

De Kalb Agricultural Association, by De Kalb Agricultural Association, Inc., De Kalb, Ill. Seed corn. 337,915, Aug. 25, 1936. Republished Feb. 8. Class 1.

De Kalb Agricultural Association, Inc.: *See*—
De Kalb Agricultural Association.

De Long & Prevost, Inc., Worcester, Mass. Dental specialties. 506,537, Feb. 8; Serial No. 542,245, published Oct. 26, 1948. Class 44.

Denver Fire Clay Company, The, Denver, Colo. Prepared clay. 239,739, Mar. 13, 1928. Republished Feb. 8. Class 1.

Denver Fire Clay Company, The, Denver, Colo. Refractory cement or mortar. 239,740, Mar. 13, 1928. Republished Feb. 8. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Fire brick and fire clay tile and high-temperature cement or mortar. 240,656, Apr. 3, 1928. Republished Feb. 8. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Fire brick and fire-clay tile. 240,711–12, Apr. 3, 1928. Republished Feb. 8. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Chrome neutral high temperature bonding mortar. 356,821, May 10, 1938. Republished Feb. 8. Class 12.

Detergents, Inc., Columbus, Ohio. Detergents. 506,398, Feb. 8; Serial No. 511,799, published Oct. 19, 1948. Class 4.

Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. 506,585, Feb. 8; Serial No. 561,893, published Nov. 2, 1948. Class 4.

Dicke, Carl H., doing business as Pioneer Heat Regulator Company, Bloomfield, N. J., to Crown Controls Company Inc., New Bremen, Ohio. Thermostats. 251,516, renewed Jan. 8, 1949. O. G. Feb. 8. Class 26.

Dickey Manufacturing Company, The, Toledo, Ohio. Venetian blinds. 506,503, Feb. 8; Serial No. 536,772, published Oct. 19, 1948. Class 32.

Di-Noc Company, The: *See*—
Di-Noc Manufacturing Company, The.

Di-Noc Manufacturing Company, The, by The Di-Noc Company, Cleveland, Ohio. Decorative coated paper. 392,920, Jan. 20, 1942. Republished Feb. 8. Class 37.

Disler, Mahlon M., doing business as The Disler Products Co., Canton, Ohio. Preparation for aiding in whipping cream. 506,504, Feb. 8; Serial No. 537,021, published Oct. 19, 1948. Class 46.

Disler Products Co., The: *See*—
Disler, Mahlon M.

Diversey Corporation, The, Chicago, Ill. Disinfectant, bactericide, and deodorizer in solid form, etc. 506,417, Feb. 8; Serial No. 522,739, published Oct. 26, 1948. Class 6.

Diversey Corporation, The, Chicago, Ill. Wood floor seal and finish in the nature of varnish, wood floor seal, water emulsion floor wax, etc. 506,462, Feb. 8; Serial No. 531,780, published Oct. 19, 1948. Class 16.

Doherty, Frank J.: *See*—
Kelly & Doherty.

Doherty Hosiery Co.: *See*—
Kelly & Doherty.

Dominant, Incorporated, Attleboro, Mass. Watch attachments and bracelets. 442,017, Feb. 8; Serial No. 510,663, published Nov. 2, 1948. Class 28.

Dormeyer Corporation, Chicago, Ill. Electric food mixers, juicers, and choppers. 506,387, Feb. 8; Serial No. 490,107, published Oct. 19, 1948. Class 21.

Dow Chemical Company, The, by The Dow Chemical Company, Midland, Mich. Polymerised styrene. 362,877, Dec. 6, 1938. Republished Feb. 8. Class 1.

Dow Chemical Company, The, Midland, Mich. Package containing a galvanically active metal anode encased in an electrolytically conductive backfill composition. 506,515, Feb. 8; Serial No. 540,055, published Oct. 26, 1948. Class 21.

Dritz-Traum Company, Inc., by Heirloom Needlework Guild, Inc., New York, N. Y. Wool yarn. 349,815–16, Sept. 7, 1937. Republished Feb. 8. Class 43.

Drits-Traum Company, Inc., by Heirloom Needlework Guild, Inc., New York, N. Y. Partly finished needlepoint tapestries. 357,385, June 7, 1938. Republished Feb. 8. Class 40.

Dry Goods Alliance, Inc.: *See*—
Syndicate-Alliance Trading Co., Inc.

Du Pont, E. I., de Nemours and Company: *See*—
Grasselli Chemical Company, The.
Hazard Powder Company, The.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Vinyl polymers. 506,548, Feb. 8; Serial No. 543,576, published Oct. 26, 1948. Class 1.

Dynamic Electronics-New York, Inc., New York, N. Y. Television receivers. 506,596, Feb. 8; Serial No. 535,943. Class 21.

Dynamic Electronics-New York, Inc., assignor to Hotelevision Inc., New York, N. Y. Television receivers. 506,597, Feb. 8; Serial No. 535,944. Class 21.

Eastern Carbon Black Company, by United Carbon Company, Inc. (Maryland), Charleston, W. Va. Carbon black. 215,466, July 20, 1926. Republished Feb. 8. Class 1.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. 344,671, Mar. 30, 1937. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Papeteries. 351,352, Oct. 26, 1937. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Typewriter paper. 366,102, Mar. 28, 1939. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Typewriter paper. 368,891–3, July 4, 1939. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Typewriter paper. 370,206, Aug. 22, 1939. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. 375,122, Feb. 5, 1940. Republished Feb. 8. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Writing paper and envelopes. 416,750, Sept. 25, 1945. Republished Feb. 8. Class 37.

Eclipse Machine Company, by Bendix Aviation Corporation, Elmira Heights, N. Y. Drives or transmission mechanism. 141,349, Apr. 19, 1921. Republished Feb. 8. Class 23.

Eclipse Sleep Products Inc.: *See*—
Eclipse Sleep Products, Inc.
United States Cabinet Bed Co.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 378,578, June 11, 1940. Republished Feb. 8. Class 32.

Eclipse Sleep Products, Inc., by Eclipse Sleep Products Inc., Brooklyn, N. Y. Studios, lounges, and chairs. 379,648, July 16, 1940. Republished Feb. 8. Class 32.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 385,212, Feb. 18, 1941. Republished Feb. 8. Class 32.

Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 403,067, Aug. 31, 1943. Republished Feb. 8. Class 32.

Edroy Products Company: *See*—
Herbert, Edward J.

Ehrman, Samuel, & Co., Inc., New York, N. Y. Laces in the piece. 506,593, Feb. 8; Serial No. 533,150. Class 42.

Elara Products, Inc., Richmond, Va. Headache tablets. 442,000, Feb. 8; Serial No. 501,247, published Jan. 14, 1947. Class 6.

Electro Manufacturing Corporation, Chicago, Ill. Electric bed lamps. 506,445, Feb. 8; Serial No. 528,916, published Nov. 2, 1948. Class 21.

Elmore & Stahl, Pharr, Tex. Fresh vegetables. 506,496, Feb. 8; Serial No. 535,693, published Oct. 19, 1948. Class 46.

Enterprise Aluminum Company, The, Massillon, Ohio. Coffeepots. 251,161, renewed Jan. 1, 1949. O. G. Feb. 8. Class 13.

Ero Manufacturing Company, Chicago, Ill. Metal budge sets including bridge chairs and bridge tables, etc. 442,028, Feb. 8; Serial No. 512,771, published May 18, 1937. Class 32.

Ero Manufacturing Company, Chicago, Ill. Metal furniture. 442,049, Feb. 8; Serial No. 517,188, published Feb. 17, 1948. Class 32.

Eschenbrenner, Nicholas J.: *See*—
Lewis-Mears Company, Inc.

Escondido Orange Association, Escondido, Calif. Fresh citrus fruit. 375,336, Feb. 13, 1940. Republished Feb. 8. Class 46.

Essex Rubber Company, Trenton, N. J. Insoles, composition soles, and rubber soles and heels. 245,140, renewed Aug. 7, 1948. O. G. Feb. 8. Class 39.

Etablissements Noilly Prat & Cie, Societe Anonyme: *See*—
Noilly Prat & Cie.

Euclid Avenue Orange Association, Upland, Calif. Fresh citrus fruits. 415,300, Aug. 7, 1945. Republished Feb. 8. Class 46.

Evangeline Refining Company, to Evangeline Refining Company, Inc., Evangeline, La. Motor fuel oils. 397,329, Sept. 1, 1942. New certificate. O. G. Feb. 8. Class 15.

Evangeline Refining Company, Inc.: *See*—
Evangeline Refining Company.

Exchange Orange Products Company, The, Ontario, Calif., assignor to California Fruit Growers Exchange, to California Fruit Growers Exchange, Los Angeles, Calif. Citrus pectin. 255,215, renewed Apr. 16, 1949. O. G. Feb. 8. Class 46.

Fabrique de Ressorts Emile Geiser, successeur de Charles Robert, Societe Anonyme: *See*—
Geiser, Emile, successeur de Charles Robert.

Farrel-Birmingham Company, Incorporated: *See*—
Farrel Foundry & Machine Company.

Farrel Foundry & Machine Company, by Farrel-Birmingham Company, Incorporated, Ansonia, Conn. Hydraulic rubber presses, hose-making machines, rubber calenders, etc. 131,749, May 25, 1920. Republished Feb. 8. Class 23.

Fazio Bros., Fresno, Calif. Fresh cantaloupes. 506,485, Feb. 8; Serial No. 535,013, published Oct. 19, 1948. Class 46.

Feature Ring Co., Inc., New York, N. Y. Mountings for jewelry. 506,514, Feb. 8; Serial No. 539,866, published Nov. 2, 1948. Class 28.

Feedwaters, Inc.: *See*—
Liverpool Borax Co., Ltd., The.

Fendrich, H., to H. Fendrich, Inc., Evansville, Ind. Cigars. 72,271, re-renewed Jan. 12, 1949. O. G. Feb. 8. Class 17.

Fendrich, H., Inc.: *See*—
Fendrich, H.

Fernandez, Frank C., Tucson, Ariz. Frozen confection. 251,444, Jan. 8, 1929. Amended. O. G. Feb. 8. Class 46.

Ferry-Morse Seed Co., San Francisco, Calif. Mixed lawn seed. 434,952, Dec. 9, 1947. Republished Feb. 8. Class 1.

Filene's, Wm., Sons Company, Boston, Mass. Men's, boys', women's, misses', and girls' outer wearing apparel, etc. 255,049, renewed Apr. 9, 1949. O. G. Feb. 8. Class 39.

Fischer Baking Company, Newark, N. J. Bread. 254,524, renewed Mar. 26, 1949. O. G. Feb. 8. Class 46.

Florida Chemical Industries, Inc., Ocala, Fla. Preparation for use in the elimination of worms in animals and poultry. 409,843, Oct. 24, 1944. Republished Feb. 8. Class 6.

Florida Chemical Industries, Inc., Ocala, Fla. Preparation for the prevention and treatment of screwworm infestation in livestock. 412,115, Feb. 20, 1945. Republished Feb. 8. Class 6.

Food Trade Publishing Company, The, by The National Provisioner, Inc., Chicago, Ill. Periodical publication. 139,981, Mar. 1, 1921. Republished Feb. 8. Class 38.

Formfit Company, The, Chicago, Ill. Brassières and foundation garments. 332,385, Feb. 11, 1936. Republished Feb. 8. Class 39.

Formfit Company, The, Chicago, Ill. Girdles and foundation garments. 373,067, Nov. 21, 1939. Republished Feb. 8. Class 39.

Franco-Italian Packing Company, Terminal Island, Calif. Canned tuna fish. 273,125, July 22, 1930. Republished Feb. 8. Class 46.

Franklin Research Company, Philadelphia, Pa. Printing paper. 435,647, Jan. 6, 1948. Republished Feb. 8. Class 37.

Frederick Laboratory, The, to F. N. Garand, Jr., doing business as The Frederick Laboratory, Toledo, Ohio. Unguent or salve. 66,365, re-renewed Nov. 26, 1947. O. G. Feb. 8. Class 6.

Friedman, J., & Co., Inc., New York, N. Y. Men's and young men's coats, vests and trousers. 237,980, Jan. 24, 1928. Republished Feb. 8. Class 39.

Friedman, J., & Co., Inc., New York, N. Y. Men's and young men's clothing. 360,086, Sept. 6, 1938. Republished Feb. 8. Class 39.

Fritzsche Tire & Reliner Company, Chicago, Ill. Composition rubber and fabric automobile mat pads. 506,588, Feb. 8; Serial No. 523,257. Class 19.

Fuller, W. P., & Co., San Francisco, Calif. Sheet and plate glass, wire ribbed glass, wire corrugated glass, etc. 250,662, renewed Dec. 11, 1948. O. G. Feb. 8. Class 33.

Fuller, W. P., & Co., San Francisco, Calif. Sheet and plate glass, wire ribbed glass, wire corrugated glass, etc. 250,669, renewed Dec. 11, 1948. O. G. Feb. 8. Class 33.

G-M Laboratories, Inc., Chicago, Ill. Exposure meters. 441,995, Feb. 8; Serial No. 497,021, published Apr. 1, 1947. Class 26.

Garand, Frederick N., Jr.: *See*—
Frederick Laboratory, The.

Garden Grove Mutual Orange Assn., by Garden Grove Orange Co-Operative, Inc., Garden Grove, Calif. Fresh citrus fruit. 390,375, Sept. 23, 1941. Republished Feb. 8. Class 46.

Garden Grove Mutual Orange Assn., by Garden Grove Orange Co-Operative, Inc., Garden Grove, Calif. Fresh citrus fruit. 392,067, Dec. 9, 1941. Republished Feb. 8. Class 46.

Garden Grove Orange Co-Operative, Inc.: *See*—
Garden Grove Mutual Orange Assn.

Gardner, Mary, executrix of C. J. Moffett, St. Louis, Mo., by C. J. Moffett Medicine Company, Columbus, Ga. Teething-powder. 68,118, Mar. 10, 1908. Republished Feb. 8. Class 6.

Gastwirth, Louis, & Co.: *See*—
Gem Clothing Co.

Gastwirth, Louis, & Co., Inc., assignee: *See*—
Gem Clothing Co.

Gavilan Citrus Association: *See*—
Holden, Arthur S.

Geiser, Emile, successeur de Charles Robert, to Fabrique de Ressorts Emile Geiser, successeur de Charles Robert, Societe Anonyme, La Chaux-de-Fonds, Switzerland. Watch and clock springs, hairsprings, and hands, clocks and watches and parts thereof, etc. 249,251, renewed Nov. 13, 1948. O. G. Feb. 8. Class 27.

Gem Clothing Co., to Louis Gastwirth & Co., New York, N. Y., assignor to Louis Gastwirth & Co., Inc. Boys' clothing. 242,588, renewed May 29, 1948. O. G. Feb. 8. Class 39.

General Dry Batteries, Inc., Cleveland, to General Dry Batteries, Inc., Lakewood, Ohio. Electric batteries. 251,778, renewed Jan. 15, 1949. O. G. Feb. 8. Class 21.

General Dyestuff Corporation, New York, N. Y. Detergents. 506,402, Feb. 8; Serial No. 514,028, published Nov. 2, 1948. Class 4.

General Dyestuff Corporation, New York, N. Y. Dyes and dyestuffs. 506,438, Feb. 8; Serial No. 528,268, published Nov. 2, 1948. Class 6.

General Research & Development Co., Fenton, Mich. Instruments for controlling the functioning of internal combustion engines. 442,050, Feb. 8; Serial No. 517,189, published Sept. 28, 1948. Class 26.

Gerson & Goodman, by Gerson-Goodman Company, Inc., Philadelphia, Pa. Men's dress and negligee shirts. 138,625, Jan. 4, 1921. Republished Feb. 8. Class 39.

Gerson-Goodman Company, Inc.: *See*—
Gerson & Goodman.

Gerson & Kaplan Garment Manufacturers, Inc.: *See*—
Kearns Brothers, Inc.

Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic fire sprinkler apparatus. 422,209, July 9, 1946. Republished Feb. 8. Class 13.

Globe Tool & Engineering Company, The, Dayton, Ohio. Electric motors. 506,453, Feb. 8; Serial No. 530,815, published Oct. 26, 1948. Class 21.

Gloria Fay: *See*—
Respondek, John E.

Gobelin Company, Inc., The: *See*—
Russell & Co., Inc.

Goetz, M. K., Brewing Company, St. Joseph, Mo. Non-alcoholic cereal malt beverages. 244,967, July 31, 1928. Republished Feb. 8. Class 48.

Goldmark, Adolph, & Sons: *See*—
Rosenstein Brothers Inc.

Golfcraft, Inc., Chicago, Ill. Golf clubs and golf balls. 441,999, Feb. 8; Serial No. 499,705, published Oct. 5, 1948. Class 22.

Good Housekeeping Co., by Hearst Magazines Inc., New York, N. Y. Magazine or periodical. 46,028, Sept. 5, 1906. Republished Feb. 8. Class 38.

Graham Paige Motors Corporation, assignor to Kaiser-Fraser Corporation, Willow Run, Mich. Passenger automobile. 442,006, Feb. 8; Serial No. 505,577, published Oct. 5, 1948. Class 19.

Grasselli Chemical Company, The, Cleveland, Ohio, by E. I. du Pont de Nemours and Company, Wilmington, Del. Accelerators for rubber vulcanization. 237,349, Jan. 10, 1928. Republished Feb. 8. Class 6.

Great Lakes Furnace and Insulating Corporation, Buffalo, N. Y. Hot air furnace covering jacket. 375,661, Feb. 27, 1940. Republished Feb. 8. Class 34.

Griscom-Russell Company, The, New York, N. Y. Pipes and tubing of copper, aluminum, iron, etc. 255,506, renewed Apr. 23, 1949. O. G. Feb. 8. Class 34.

Guillevic, Georges L., Paris, France. Preparation used in the treatment of neuralgia and as a febrifuge. 248,272, renewed Oct. 16, 1948. O. G. Feb. 8. Class 6.

Gump, S. & G., Company, San Francisco, Calif. Bracelets, brooches, earrings, etc. 506,525, Feb. 8; Serial No. 541,293, published Nov. 2, 1948. Class 28.

Haas, Baruch & Co., Los Angeles, Calif. Coffee. 506,526, Feb. 8; Serial No. 541,296, published Oct. 19, 1948. Class 46.

Haas-Miller Corporation, Philadelphia, Pa. Hygroscopic chemical agent. 351,158, Oct. 19, 1937. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Textile weighting chemicals. 357,132, May 24, 1938. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Compound used for fulling and scouring woolen and worsted goods, and general textile scouring. 378,574, June 11, 1940. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Sodium mannuronate. 387,779, May 27, 1941. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Compound used for softening, filling and weighting of cotton fabrics in the finishing operation. 388,119, June 10, 1941. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Softening and hygroscopic agent. 418,938, Jan. 15, 1946. Republished Feb. 8. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Liquid detergent. 422,759, Aug. 13, 1946. Republished Feb. 8. Class 4.

Haas-Miller Corporation, Philadelphia, Pa. Dispersed synthetic rubber. 424,742, Oct. 22, 1946. Republished Feb. 8. Class 6.

Hammond Iron Works, Warren, Pa. Metal tanks and combination metal and concrete tanks. 442,042, Feb. 8; Serial No. 515,833, published Nov. 2, 1948. Class 2.

Harris Research Laboratories, Washington, D. C. Wool tops. 506,523, Feb. 8; Serial No. 540,996, published Sept. 21, 1948. Class 1.

Harvey-Whipple, Incorporated, Springfield, Ill. Electric device. 351,285, Oct. 26, 1937. Republished Feb. 8. Class 21.

Haskins Brothers & Company, Sioux City, Iowa, and Omaha, Nebr., to Haskins Brothers & Company, Sioux City, Iowa. Soap. 254,780, renewed Apr. 2, 1949. O. G. Feb. 8. Class 4.

Hastings, Charles E., doing business as Hastings Instrument Company, Hampton, Va. Radio transmitters and receivers. 442,038, Feb. 8; Serial No. 515,423, published Oct. 19, 1948. Class 26.

Hastings Instrument Company: *See*—
Hastings, Charles E.

Hattenhauer, Elzada M., doing business as Modern Educational Publishers, Chicago, Ill. Educational games. 506,474, Feb. 8; Serial No. 533,019, published Oct. 12, 1948. Class 22.

Haynes, Robert H., executor: *See*—
Swan, Mabel M.

Hazard Powder Company, The, Hazardville, Conn., by E. I. du Pont de Nemours and Company, Wilmington, Del. Explosive powder. 67,233, Jan. 28, 1908. Republished Feb. 8. Class 6.

Hearn Department Stores, Inc.: *See*—
Hearn, Jas. A., & Son.

Hearn, Jas. A., & Son, to Hearn Department Stores, Inc., New York, N. Y. Reversible fiber rugs. 251,258, renewed Jan. 1, 1949. O. G. Feb. 8. Class 42.

Hearst Corporation, The: *See*—
Curtis-Martin Newspapers, Inc.
King Features Syndicate, Inc.

Hearst Magazines Inc.: *See*—
Good Housekeeping Co.

Heath Spring and Notion Company, Limited, The, Redditch, England. Arm bands of coiled wire. 246,713, renewed Sept. 11, 1948. O. G. Feb. 8. Class 39.

Heberlein & Co., A. G., Wattwil, Switzerland. Cotton fabrics. 242,652, renewed May 29, 1948. O. G. Feb. 8. Class 42.

Hecht Company, The, Washington, D. C. Boys' suits and overcoats. 251,441, Jan. 8, 1929. Republished Feb. 8. Class 39.

Hecht Company, The, Washington, D. C. Boys' clothing. 267,747, Feb. 25, 1930. Republished Feb. 8. Class 39.

Hecht Company, The, Washington, D. C. Women's apparel. 298,483, Oct. 25, 1932. Republished Feb. 8. Class 39.

Hecht Company, The, Washington, D. C. Men's and boys' dress, negligee and work shirts. 318,345, Oct. 23, 1934. Republished Feb. 8. Class 39.

Hecht Company, The, Washington, D. C. Boys' suits. 339,471, Oct. 6, 1936. Republished Feb. 8. Class 39.

Hecht Company, The, Washington, D. C. Sheets and pillow cases. 350,132, Sept. 14, 1937. Republished Feb. 8. Class 42.

Heil Co., The, Milwaukee, Wis. Storage tanks. 506,507, Feb. 8; Serial No. 537,690, published Nov. 2, 1948. Class 2.

Heintz, Merkle & Company, by P. Herold & Sons, Philadelphia, Pa. Mayonnaise, mince-meat and salted peanuts. 147,621, Oct. 25, 1921. Republished Feb. 8. Class 46.

Heirloom Needlework Guild, Inc.: *See*—
Drits-Traum Company, Inc.

Heller, Henry B., Corp., St. Louis, Mo. Soapless cleaner. 432,645, Sept. 9, 1947. Republished Feb. 8. Class 4.

Hembal-Clauss Co., The, Fremont, Ohio, and New York, N. Y. Meat, vegetable, and food choppers; pruners, tinner, jeweler, rubber, and automobile snips, etc. 244,418, July 17, 1928. Republished Feb. 8. Class 23.

Hennafoam Co., The, New York, N. Y. Shampoo in cream form. 506,498, Feb. 8; Serial No. 535,959, published Oct. 26, 1948. Class 6.

Henry Engineering Company: *See*—
Henry, G. A.

Henry, G. A., doing business as Henry Engineering Company, Burbank, Calif. Accessories for miniature toy model airplanes. 506,412, Feb. 8; Serial No. 520,701, published Oct. 5, 1948. Class 22.

Herbert, Edward J., doing business as Edroy Products Company, New York, N. Y. Camera attachments. 442,010, Feb. 8; Serial No. 507,314, published Oct. 26, 1948. Class 26.

Herold, P., & Sons: *See*—
Heintz, Merkle & Company.

Herrmann, A. S., Inc., by Herrmann & Jacobs Corp., New York, N. Y. Table linens, towels, sheets, etc. 242,765, June 5, 1928. Republished Feb. 8. Class 42.

Herrmann & Jacobs Corp.: *See*—
Herrmann, A. S., Inc.

Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. 506,561, Feb. 8; Serial No. 545,741, published Oct. 26, 1948. Class 4.

Highgrove Fruit Association, Highgrove, Calif. Fresh fruits. 242,520, May 29, 1928. Republished Feb. 8. Class 46.

Hijos De N. Lopes Caro, Barcelona, Spain. Perfumes and hair dye. 442,053, Feb. 8; Serial No. 517,351, published Oct. 26, 1948. Class 6.

Hill Packing Company, Topeka, Kans. Dog food. 506,492, Feb. 8; Serial No. 535,528, published Oct. 19, 1948. Class 46.

Hillside Citrus Co., Inc., by C. M. Zilen, doing business as Zilen Citrus Company, Riverside, Calif. Fresh citrus fruits. 392,553, Dec. 30, 1941. Republished Feb. 8. Class 46.

Hillside Packing Association, The, Lindsay, Calif. Fresh oranges. 245,265, Aug. 7, 1928. Republished Feb. 8. Class 46.

Hillside Packing Association, The, Lindsay, Calif. Fresh citrus fruit. 338,026, Aug. 25, 1936. Republished Feb. 8. Class 46.

Hillside Packing Association, Lindsay, Calif. Fresh citrus fruit. 339,417, Oct. 6, 1936. Republished Feb. 8. Class 46.

Holden, Arthur S., doing business as Gavilan Citrus Association, to Gavilan Citrus Association, Arlington, Calif. Fresh citrus fruits. 255,524, renewed Apr. 23, 1949. O. G. Feb. 8. Class 46.

Hollywood Brands, Inc.: *See*—
Brown, James F.

Holyoke Belting Company, Holyoke, Mass. Leather belting. 506,480, Feb. 8; Serial No. 534,286, published Nov. 2, 1948. Class 35.

Home Drug Company: *See*—
Walgreen Co.

Hoover Company, The, North Canton, Ohio. Electric motors. 506,590, Feb. 8; Serial No. 527,121. Class 21.

Horwits, Vincent, Co. Inc.: *See*—
Horwits, Vincent, Company, Inc.

Horwits, Vincent, Company, Inc., to Vincent Horwits Co. Inc., New York, N. Y. Men's, women's, and children's slippers. 253,630, renewed Mar. 5, 1949. O. G. Feb. 8. Class 39.

Hotelevision Inc.: *See*—
Dynamic Electronics-New York, Inc.

House of Vision: *See*—
House of Vision-Belgard-Spero Inc., The.

House of Vision-Belgard-Spero Inc., The, also doing business as House of Vision, and Belgard-Spero, Chicago, Ill. Contact lenses. 442,009, Feb. 8; Serial No. 507,127, published Apr. 6, 1948. Class 26.

Howard, Laurel H., doing business as Laurel Wister, to H. W. Reeves, Los Angeles, Calif. Face cream. 254,711, renewed Mar. 26, 1949. O. G. Feb. 8. Class 6.

Howard, Laurel H., doing business as Laurel Wister, to H. W. Reeves, Los Angeles, Calif. Face creams, skin lotions, face powder, etc. 254,712, renewed Mar. 26, 1949. O. G. Feb. 8. Class 6.

Howe-Lewis, Inc.: *See*—
Studio Cosmetic Company.

Hubner, Harvey W., also doing business as Independent Iron Works, Los Angeles, Calif. Bar bells, dumbbells, leg-development weights, etc. 442,079, Feb. 8; Serial No. 525,599, published Oct. 5, 1948. Class 22.

Hudnut, Richard, New York, N. Y. Cologne. 506,465–6, Feb. 8; Serial Nos. 532,225–6, published Sept. 14, 1948. Class 6.

Hudson Motor Car Company, Detroit, Mich. Automobiles. 110,022, May 2, 1916. Republished Feb. 8. Class 19.

Hudson Motor Car Company, Detroit, Mich. Automobiles. 111,825, Aug. 8, 1916. Republished Feb. 8. Class 19.

Hudson Motor Car Company, Detroit, Mich. Gasoline passenger automobiles. 271,819, June 17, 1930. Republished Feb. 8. Class 19.

Hudson Motor Car Company, Detroit, Mich. Automobile structural parts. 283,898, June 9, 1931. Republished Feb. 8. Class 19.

Hudson Motor Car Company, Detroit, Mich. Lubricating oils and greases. 311,852, Apr. 10, 1934. Republished Feb. 8. Class 15.

Hudson Motor Car Company, Detroit, Mich. Passenger automobiles. 360,457, Sept. 20, 1938. Republished Feb. 8. Class 19.

Humbert, Alfred, & Son, Philadelphia, Pa. Wedding rings. 227,181, May 3, 1927. Republished Feb. 8. Class 28.

Hygienic Productions Inc., Wilmington, Ohio. Pharmaceutical preparations. 506,566, Feb. 8; Serial No. 548,259, published Nov. 2, 1948. Class 6.

Ideal Novelty & Toy Co., Hollis, N. Y. Dolls. 506,493, Feb. 8; Serial No. 535,630, published Oct. 5, 1948. Class 22.

Illinois Canning Co., The: *See*—
Illinois Canning Co.

Illinois Canning Co., by The Illinois Canning Co., Hoopeston, Ill. Canned corn. 23,464, Aug. 8, 1893. Republished Feb. 8. Class 46.

Illinois Canning Co., by The Illinois Canning Co., Hoopeston, Ill. Canned corn. 23,481, Aug. 15, 1893. Republished Feb. 8. Class 46.

Illinois Condenser Co., Chicago, Ill. Non-ceramic electrical condensers. 442,081, Feb. 8; Serial No. 525,850, published Oct. 26, 1948. Class 21.

Independent Iron Works: *See*—
Hubner, Harvey W.

Ingber, Herbert S., doing business as The Transglo Company, Little Neck, New York, and Corona, New York, N. Y. Semi-liquid wallpaper wax. 442,023, Feb. 8; Serial No. 511,615, published Oct. 19, 1948. Class 16.

Inland Rubber Corporation, Chicago, Ill. Tire and tube repair kits. 506,460, Feb. 8; Serial No. 531,602, published Oct. 26, 1948. Class 35.

Interlake Chemical Corporation of Delaware: *See*—
Lubricant Laboratories Inc.

International Handkerchief Mfg. Co., The: *See*—
International Manufacturing Co., The.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 291,657, Feb. 23, 1932. Republished Feb. 8. Class 39.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 324,218, May 14, 1935. Republished Feb. 8. Class 39.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 327,608, Sept. 3, 1935. Republished Feb. 8. Class 39.

International Manufacturing Co., The, by The International Handkerchief Mfg. Co., New York, N. Y. Handkerchiefs. 70,885–6, Oct. 13, 1908. Republished Feb. 8. Class 39.

Italian Swiss Colony, San Francisco, Calif. Wines. 432,454, Sept. 2, 1947. Republished Feb. 8. Class 47.

Jabel Ring Manufacturing Co., Newark, N. J. Finger rings, finger ring settings, brooches, etc. 506,536, Feb. 8; Serial No. 542,140, published Nov. 2, 1948. Class 28.

Jack Bros. and McBurney, Inc., Brawley, Calif. Fresh vegetables and melons. 390,508, Sept. 23, 1941. Republished Feb. 8. Class 46.

Jaeger Watch Company, Inc., New York, N. Y. Watches and clocks. 506,527, Feb. 8; Serial No. 541,301, published Oct. 26, 1948. Class 27.

Jaeger Watch Company, Inc., New York, N. Y. Clocks. 506,528, Feb. 8; Serial No. 541,302, published Oct. 26, 1948. Class 27.

Jay Electric Co., Detroit, Mich. Rear view mirrors. 442,054, Feb. 8; Serial No. 518,355, published Oct. 5, 1948. Class 19.

Jefferson Island Salt Company, assignee of Jefferson Island Salt Company by Jefferson Island Salt Company, Louisville, Ky. Salt dissolvers. 434,167, Nov. 11, 1947. Republished Feb. 8. Class 23.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Face cream. 506,452, Feb. 8; Serial No. 530,613, published Sept. 28, 1948. Class 6.

Jergens, Andrew, Company, The, Cincinnati, Ohio. Cologne. 506,481, Feb. 8; Serial No. 534,535, published Oct. 26, 1948. Class 6.

Jewel Paint & Varnish Co., Chicago, Ill. Paint enamels and varnishes. 257,873, June 18, 1929. Republished Feb. 8. Class 16.

Judith Basin Mills, Inc.: *See*—
Montana Flour Mills Company.

Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills.

Kaiser-Fraser Corporation: *See*—
Graham Paige Motors Corporation.

Kalich, M. L., & Co.: *See*—
Kalich, Mitchel L.

Kalich, Mitchel L., doing business as M. L. Kalich & Company, to M. L. Kalich & Co., Watsonville, Calif. Fresh fruits. 243,231, renewed June 12, 1948. O. G. Feb. 8. Class 46.

Kathryn, Inc.: *See*—
Daumit, Kay, Inc.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Vacuum cleaners. 230,297, July 19, 1927. Republished Feb. 8. Class 23.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Cotton bed sheets, linen bed sheets, cotton pillow cases, etc. 230,343, July 19, 1927. Republished Feb. 8. Class 42.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Washing machines. 230,531, July 26, 1927. Republished Feb. 8. Class 24.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Batteries, radio receiving sets and parts therefor. 231,001, Aug. 9, 1927. Republished Feb. 8. Class 21.

Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Lawn seed. 236,179, Dec. 6, 1927. Republished Feb. 8. Class 1.

Kay Manufacturing Corporation, Brooklyn, N. Y. Inner spring units for upholstered cushions and mattresses. 344,406, Mar. 23, 1937. Republished Feb. 8. Class 32.

Kearns Brothers, Inc., Pinckneyville, Ill., by Gerson & Kaplan Garment Manufacturers, Inc., Houston, Tex. Women's dresses. 299,865, Dec. 27, 1932. Republished Feb. 8. Class 39.

Kekell Company: *See*—
Kelley, Elmer T.

Kelley, Elmer T., doing business as Kekell Company, Louisville, Ky. Athletic foot remedy. 442,044, Feb. 8; Serial No. 516,419, published Mar. 9, 1948. Class 6.

Kelly & Doherty, by F. J. Doherty, doing business as Doherty Hosiery Co., New York, N. Y. Hosiery. 344,744, Apr. 6, 1937. Republished Feb. 8. Class 39.

Kelsey-Hayes Wheel Company: *See*—
Lathan Company, Inc.

Kendall Company, The, Boston, Mass. Athletic supporters. 506,520, Feb. 8; Serial No. 540,829, published Oct. 19, 1948. Class 44.

Kerr Ice Cream Company, The, Cincinnati, Ohio. Ice cream. 441,989, Feb. 8; Serial No. 442,196, published Oct. 19, 1948. Class 46.

Keystone Laboratories, Inc., Memphis, Tenn. Preparation to be taken for relieving discomfort of gastric flatulence. 506,553, Feb. 8; Serial No. 543,938, published Oct. 5, 1948. Class 6.

Keystone Varnish Company, Brooklyn, N. Y. Flat wall finishes, enamels, and varnishes. 72,686. re-renewed Feb. 9, 1949. O. G. Feb. 8. Class 16.

Kilgore Manufacturing Company, The, Westerville, Ohio. Ammunition. 196,278, Mar. 17, 1925. Republished Feb. 8. Class 9.

Kilgore Manufacturing Company, The, Westerville, Ohio. Toys. 238,278, Jan. 31, 1928. Republished Feb. 8. Class 22.

Kilgore Manufacturing Company, The, Westerville, Ohio. Paper caps. 285,869, Aug. 11, 1931. Republished Feb. 8. Class 9.

Kilgore Manufacturing Company, The, Westerville, Ohio. Toy firearms. 352,547, Dec. 7, 1937. Republished Feb. 8. Class 22.

King Features Syndicate, Inc., to The Hearst Corporation, New York, N. Y. Newspaper cartoons. 256,098, renewed May 7, 1949. O. G. Feb. 8. Class 38.

Kingsley Fabrics, Inc.: *See*—
Stein, S., & Co.

Kirk, C. F., Company, New York, N. Y. Solution of anesthetics in vegetable oil. 442,020, Feb. 8; Serial No. 511,164, published Sept. 21, 1948. Class 6.

Kramer, J., Company, Commission Merchants, Inc., The, New York, N. Y., by Ripy Bros. Distillers Incorporated, Lawrenceburg, Ky. Whiskey and other potable distilled liquors. 309,450, Jan. 16, 1934. Republished Feb. 8. Class 49.

Kreisler, Jacques, Manufacturing Corporation, North Bergen, N. J. Key chains. 442,033, Feb. 8; Serial No. 514,202, published Oct. 26, 1948. Class 28.

Krim-Ko Corporation, Chicago, Ill. Chocolate flavor syrup. 442,075, Feb. 8; Serial No. 524,802, published Oct. 19, 1948. Class 46.

Krolik Corporation, The: *See*—
Nat. Tex. Dist. Corp.
National Textile Dist. Corp.

La Brea Securities Co., doing business as Rosemary Packing Company, Los Angeles and Santa Maria, Calif. Fresh vegetables. 394,793, Apr. 28, 1942. Republished Feb. 8. Class 46.

Lacquer & Chemical Corporation, Brooklyn, N. Y. Varnish and pyroxylin lacquers, paint enamels, paint and varnish thinning liquids, etc. 506,393, Feb. 8; Serial No. 508,048, published Oct. 19, 1948. Class 16.

Lady's Choice Foods: *See*—
Crown Products Corporation.

La Marche, Austin W., Chicago, Ill. Electric current converter. 506,559, Feb. 8; Serial No. 545,377, published Nov. 2, 1948. Class 21.

Lambert Pharmacal Company, St. Louis, Mo. Saponaceous paste. 239,895, Mar. 13, 1928. Republished Feb. 8. Class 4.

Lambert Pharmacal Company, St. Louis, Mo. Medicinal, antiseptic, and deodorant compound, tooth powder, toothpaste. 240,162, Mar. 20, 1928. Republished Feb. 8. Class 6.

Lambert Pharmacal Company, St. Louis, Mo. Cigarettes. 240,953, Apr. 10, 1928. Republished Feb. 8. Class 17.

Lambert Pharmacal Company, St. Louis, Mo. Medicated preparation for treatment of the hair and scalp and the removal of dandruff. 244,676, July 24, 1928. Republished Feb. 8. Class 6.

Lamoraga Specialties: *See*—
Tibbetts, Louise S.

Lanair Chemical Corporation, Chicago, Ill. Oil sludge emulsifier. 417,457, Oct. 30, 1945. Republished Feb. 8. Class 15.

Lanselle Parfumeur S. A. R. L., Paris, France. Perfumes, toilet waters, rouge, etc. 506,395, Feb. 8; Serial No. 509,222, published Nov. 2, 1948. Class 6.

La Porte Corporation, The, Chicago, Ill., and La Porte, Ind. Toy velocipedes. 442,007, Feb. 8; Serial No. 506,039, published Oct. 5, 1948. Class 22.

Lathan Company, Inc., San Francisco, Calif., by Kelsey-Hayes Wheel Company, Detroit, Mich. Booster units. 432,214, Aug. 26, 1947. Republished Feb. 8. Class 23.

Lee, Frank H., Company, The, Danbury, Conn. Men's and boys' felt and straw hats. 337,345, Aug. 4, 1936. Republished Feb. 8. Class 39.

Lee, Frank H., Company, The, Danbury, Conn. Men's and women's felt and straw hats. 337,786, Aug. 18, 1936. Republished Feb. 8. Class 39.

Lee, Frank H., Company, The, Danbury, Conn. Men's and boys' felt and straw hats. 343,454, Feb. 23, 1937. Republished Feb. 8. Class 39.

Lee, Frank H., Company, The, Danbury, Conn. Men's and boys' fur felt hats. 433,386, Oct. 14, 1947. Republished Feb. 8. Class 39.

Lee, Frank H., Company, The, Danbury, Conn. Men's hats. 433,493, Oct. 14, 1947. Republished Feb. 8. Class 39.

Leggett & Platt, Inc., Carthage, Mo. Bed-springs. 506,602, Feb. 8; Serial No. 543,817. Class 32.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes. 434,379, Nov. 18, 1947. Republished Feb. 8. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Perfumes, colognes, toilet waters, etc. 506,450, Feb. 8; Serial No. 530,209, published Oct. 26, 1948. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet water, face powder, etc. 252,215, renewed Jan. 29, 1949. O. G. Feb. 8. Class 6.

Lentheric, Incorporated, New York, N. Y. Toilet soap. 253,209, renewed Feb. 19, 1949. O. G. Feb. 8. Class 4.

Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. 506,584, Feb. 8; Serial No. 560,906, published Oct. 26, 1948. Class 4.

Lewis Bolt & Nut Company: *See*—
Staples & Seefeld.

Lewis Bolt & Nut Company, Minneapolis, Minn. Guard rail cables, posts, offsets, etc. 372,811, Nov. 14, 1939. Republished Feb. 8. Class 12.

Lewis-Mears Company, Inc., by Nicholas J. Eschenbrenner, New York, N. Y. Butter. 238,540, Feb. 7, 1928. Republished Feb. 8. Class 46.

Liebovits, S., & Sons, Inc., to Publix Shirt Corporation, New York, N. Y. Men's, women's, youths', and boys' sport jackets and coats and weatherproof jackets and coats. 249,408, renewed Nov. 13, 1948. O. G. Feb. 8. Class 39.

Lightolier, Incorporated, New York, N. Y. Electric lamps, electric lighting fixtures. 506,472, Feb. 8; Serial No. 532,942, published Oct. 26, 1948. Class 21.

Linton & Scott, New York, N. Y., by Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 156,748, July 11, 1922. Republished Feb. 8. Class 37.

Liverpool Borax Co., Ltd., The, Liverpool, England, by Feedwaters, Inc., New York, N. Y. Preparation for removing scale, corrosion, and grease from boilers. 68,586, Apr. 21, 1908. Republished Feb. 8. Class 6.

Locke Stove Company, Kansas City, Mo. Heating stoves. 381,488, Sept. 24, 1940. Republished Feb. 8. Class 34.

Loeser, Julius, & Co., Inc., Chicago, Ill. Scotch type whiskey. 368,238, June 13, 1939. Republished Feb. 8. Class 49.

London Gramophone Corporation, The, New York, N. Y. Electric phonographs. 506,400–1, Feb. 8; Serial Nos. 512,843–4, published Oct. 19, 1948. Class 21.

Lorain Products Corporation, Lorain, Ohio. Electrical static frequency converters. 506,508, Feb. 8; Serial No. 537,910, published Nov. 2, 1948. Class 21.

Los Angeles Nut House, Los Angeles, Calif. Peanut butter. 370,922, Sept. 12, 1939. Republished Feb. 8. Class 46.

Lubricant Laboratories Inc., Everett and Boston, Mass., by Interlake Chemical Corporation of Delaware, Cleveland, Ohio. Molding compound. 258,749, July 16, 1929. Republished Feb. 8. Class 1.

Lucile Company, The: *See*—
Adair, John T.

Lynch, W. J., Paint & Varnish Co., Inc., East Providence, R. I. Paints and varnishes. 442,022, Feb. 8; Serial No. 511,485, published Oct. 19, 1948. Class 16.

Magor Car Corporation, New York, N. Y. All types of railroad cars. 506,408, Feb. 8; Serial No. 519,878, published Oct. 5, 1948. Class 19.

Maico Company, Incorporated, The, Minneapolis, Minn. Flexible output conductors for audio amplifiers worn on the human body. 506,473, Feb. 8; Serial No. 532,946, published Nov. 2, 1948. Class 44.

Mallinckrodt Chemical Works, St. Louis, Mo. Photographic developer. 506,416, Feb. 8; Serial No. 522,522, published July 6, 1948. Class 6.

Mallon Chemical Corp., New York, N. Y. Liquid preparation for relief of pain, etc. 433,260, Sept. 30, 1947. Republished Feb. 8. Class 6.

Mallory Manufacturing Company, Chapin, Iowa. Wagon boxes having unloading mechanism. 442,030, Feb. 8; Serial No. 513,434, published Oct. 5, 1948. Class 19.

Mallory, P. R., & Co., Inc.: *See*—
Mallory, P. R., & Co. Incorporated.

Mallory, P. R., & Co. Incorporated, by P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrode material. 281,177, Mar. 10, 1931. Republished Feb. 8. Class 14.

Mallory, P. R., Co., Incorporated, by P. R. Mallory & Co., Indianapolis, Ind. Alloys. 327,547, Aug. 27, 1935. Republished Feb. 8. Class 14.

Manning, Maxwell & Moore, Incorporated, New York, N. Y. Combination instrument consisting of a two stage pressure regulator, pressure electric switch, and dual edgewise pressure gauge. 442,015, Feb. 8; Serial No. 509,857, published Oct. 5, 1948. Class 26.

Markel Electric Products, Inc., Buffalo, N. Y. Electric air heaters. 506,449, Feb. 8; Serial No. 530,089, published Oct. 26, 1948. Class 21.

Markel Electric Products, Inc., Buffalo, N. Y. Wall-attached and ceiling-attached electric light fixtures and electric air heaters. 506,469, Feb. 8; Serial No. 532,617, published Nov. 2, 1948. Class 21.

Marshall, Calvin C., Hendersonville, N. C., by Plough, Inc., Memphis, Tenn. Medicinal compound for the treatment of colds, grippe, pleurisy, etc. 324,597, May 21, 1935. Republished Feb. 8. Class 6.

Massachusetts Mattress Company, Boston, Mass. Bedding. 442,069, Feb. 8; Serial No. 523,902, published Oct. 19, 1948. Class 32.

May Department Stores Company, The: *See*—
Kaufmann Department Stores, Inc.

May Department Stores Company, The, New York, N. Y., and St. Louis, Mo. Creams, liquids, pastes, powders, and solid substances, etc. 233,650, Oct. 4, 1927. Republished Feb. 8. Class 6.

May Department Stores Company, The, New York, N. Y., and St. Louis, Mo. Leather shoes. 234,129, Oct. 18, 1927. Republished Feb. 8. Class 39.

Mayfair Industries, Inc., Chicago, Ill. Insecticide. 506,565, Feb. 8; Serial No. 547,861, published Oct. 26, 1948. Class 6.

McCormick & Co., Incorporated, Baltimore, Md. Liquid-insecticide-spraying compositions. 237,373, Jan. 10, 1928. Republished Feb. 8. Class 6.

McDaniel, G. O., Edcouch, Tex. Fresh citrus fruits, fresh vegetables, canned citrus juices, etc. 410,804, Dec. 19, 1944. Republished Feb. 8. Class 46.

McDaniel, G. O., Edcouch, Tex. Fresh citrus fruits and fresh vegetables. 410,805, Dec. 19, 1944. Republished Feb. 8. Class 46.

McDaniel, G. O., Edcouch, Tex.. Fresh citrus fruits, fresh vegetables. 411,130, Jan. 2, 1945. Republished Feb. 8. Class 46.

McDowell, Pyle, & Co., Inc., Baltimore, Md., by E. J. Brach & Sons, Chicago, Ill. Candies. 130,804, May 4, 1920. Republished Feb. 8. Class 46.

McGrath, H. J., Company, The, Baltimore, Md. Canned fruits, vegetables, soups, etc. 378,130, May 28, 1940. Republished Feb. 8. Class 46.

McKinley Litho Supply Company Inc., Cincinnati, Ohio. Lithographic supply products. 442,024, Feb. 8; Serial No. 512,011, published Oct. 26, 1948. Class 6.

McLaughlin, W. F., & Company, Chicago, Ill. Coffee. 65,709, Oct. 15, 1907. Republished Feb. 8. Class 46.

McQuay-Norris Manufacturing Co., St. Louis, Mo. Piston rings, piston ring expanders, and bearing shims. 506,478, Feb. 8; Serial No. 534,169, published Oct. 26, 1948. Class 35.

Mead Cycle Company, Chicago, Ill. Bicycles. 506,422–3, Feb. 8; Serial No. 525,363–4, published Oct. 5, 1948. Class 19.

Mead Johnson & Company, Evansville, Ind. Pharmaceutical preparation. 506,404, Feb. 8; Serial No. 516,615, published Sept. 28, 1948. Class 6.

Medicine Chest, The: *See*—
Nicholas, George L.

Medicine For Children, Incorporated, San Francisco, Calif. Nose drops, antipyretic tablets, vapor inhalant, etc. 506,486, Feb. 8; Serial No. 535,061, published Sept. 14, 1948. Class 6.

Medley Distilling Company, Owensboro, Ky. Whiskey. 506,604, Feb. 8; Serial No. 522,732. Class 49.

Meloon, W. C.: *See*—
Correct Craft, Inc.

Merkin, M. J., Paint Co., Inc., New York, N. Y. White paint enamel. 506,512, Feb. 8; Serial No. 539,069, published Oct. 19, 1948. Class 16.

Mesta Machine Company, West Homestead and Pittsburgh, to Mesta Machine Company, West Homestead, Pa. Rolling-mill rolls. 249,708–9, renewed Nov. 20, 1948. O. G. Feb. 8. Class 23.

Meyer, Joseph H., Bros., Brooklyn, N. Y. Necklaces, bracelets, finger rings, etc. 506,399, Feb. 8; Serial No. 511,892, published Nov. 2, 1948. Class 28.

Michigan Chemical Corporation, St. Louis, Mich. Chemical fire extinguishing composition. 442,039, Feb. 8; Serial No. 515,506, published Oct. 5, 1948. Class 6.

Michigan Chemical Corporation, St. Louis, Mich. Insecticides, chemicals, and chemical compositions. 506,521, Feb. 8; Serial No. 540,850, published Nov. 2, 1948. Class 6.

Michigan Chrome & Chemical Company, Detroit, Mich. Plastic protective coatings. 442,040, Feb. 8; Serial No. 515,577, published Oct. 19, 1948. Class 16.

Mid-City Wholesale Grocers, Inc., Chicago, Ill. Canned fruits, canned vegetables, canned fish, etc. 372,074, Oct. 24, 1939. Republished Feb. 8. Class 46.

Mid City Wholesale Grocers, Inc., Chicago, Ill. Canned vegetables, canned fruits, canned pumpkin, etc. 387,361, May 13, 1941. Republished Feb. 8. Class 46.

Mid City Wholesale Grocers, Inc., Chicago, Ill. Canned fruits, canned berries, canned vegetables, etc. 403,587, Oct. 5, 1943. Republished Feb. 8. Class 46.

Mid-Continent Airlines, Inc., Kansas City, Mo. Operation of airlines and the transportation of passengers, freight, and mail in the conduct of such services. 506,605, Feb. 8; Serial No. 535,253. Class 55.

Minerva Motors, Antwerp, to Societe Nouvelle Minerva, S. A., Liege, Belgium. Transmission apparatus and explosion-motors. 149,702, renewed Dec. 20, 1941. O. G. Feb. 8. Class 23.

Minerva Motors, Antwerp, to Societe Nouvelle Minerva, S. A., Liege, Belgium. Automobiles and chassis for automobiles, bicycles, and aeroplanes. 149,703, renewed Dec. 20, 1941. O. G. Feb. 8. Class 19.

Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure responsive control apparatus. 506,539, Feb. 8; Serial No. 542,626, published Oct. 19, 1948. Class 26.

Mints, Jack, doing business as Capt. Post Horse Radish & Pickle Co., Inc., New York, N. Y. Horse-radish. 252,362, Feb. 5, 1929. Corrected. O. G. Feb. 8. Class 46.

Minwax Company, Inc., New York, N. Y. Wax finish. 506,389, Feb. 8; Serial No. 496,454, published Oct. 19, 1948. Class 16.

Modern Educational Publishers: *See*—
Hattenhauer, Elzada M.

Modesto Fruit Exchange, Modesto, Calif. Fresh deciduous fruits. 224,870, Mar. 8, 1927. Republished Feb. 8. Class 46.

Moffett, C. J.: *See*—
Gardner, Mary.

Moffett, C. J., Medicine Company: *See*—
Gardner, Mary.

Montana Flour Mills Company, doing business as Judith Basin Mills, Inc., Great Falls, Mont. Wheat flour. 506,451, Feb. 8; Serial No. 530,547, published Oct. 19, 1948. Class 46.

Moon-Glow Garment Co., by Morse & Morse, Inc., Los Angeles, Calif. Men's, women's, boys', and girls' clothing. 387,155, May 6, 1941. Republished Feb. 8. Class 39.

Moorman Manufacturing Company, Quincy, Ill. Minerals for cattle, sheep, horses, etc. 506,394, Feb. 8; Serial No. 508,542, published Oct. 26, 1948. Class 6.

Morris Paint & Varnish Co., St. Louis, Mo. Ready-mixed paint. 442,031, Feb. 8; Serial No. 513,577, published Oct. 19, 1948. Class 16.

Morris Rosenberg Co.: *See*—
Rosenberg, Morris.

Morse, Leopold, Company, Boston, Mass. Men's overcoats. 367,787, May 30, 1939. Republished Feb. 8. Class 39.

Morse, Leopold, Company, Boston, Mass. Men's topcoats. 368,000, June 6, 1939. Republished Feb. 8. Class 39.

Morse & Morse, by Morse & Morse, Inc., Los Angeles, Calif. Ladies' underwear. 394,329, Mar. 31, 1942. Republished Feb. 8. Class 39.

Morse & Morse, Inc.: *See*—
Moon-Glow Garment Co.
Morse & Morse.

Movado Watch Agency, Inc., New York, N. Y. Watches. 407,090, May 16, 1944. Republished Feb. 8. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 506,409, Feb. 8; Serial No. 520,518, published Oct. 26, 1948. Class 27.

Movado Watch Agency, Inc., New York, N. Y. Watches. 506,410, Feb. 8; Serial No. 520,564, published Oct. 26, 1948. Class 27.

Murphy Laboratories, Inc., Clifton Heights, Pa. Soap. 506,574, Feb. 8; Serial No. 549,827, published Oct. 26, 1948. Class 4.

Mutchler, E. J., Sinton, Tex. Fresh vegetables. 425,756, Dec. 3, 1946. Republished Feb. 8. Class 46.

Mutton Hollow Fire Brick Company, The, Woodbridge, N. J. Bricks. 243,766, renewed June 26, 1948. O. G. Feb. 8. Class 12.

Myers, K. E.: *See*—
Rikimaru Bros. and Company.

Naamloose Vennootschap Amsterdamsche Superfosfaatfabriek, Utretch, Netherlands. Fertilizers. 292,830, Mar. 29, 1932. Republished Feb. 8. Class 10.

Naamloose Vennootschap Amsterdamsche Superfosfaatfabriek, Utretch, Netherlands. Fertilizers. 297,281, Sept. 6, 1932. Republished Feb. 8. Class 10.

Naamlooze Vennootschap Vereenigde Chemische Fabrieken, Utrecht, Netherlands. Manure. 298,720, Nov. 1, 1932. Republished Feb. 8. Class 10.

Naden, J. H., Sales Co.: *See*—
Naden, James H.

Naden, James H., doing business as J. H. Naden Sales Co., Denver, Colo. Cement base paint. 442,047, Feb. 8; Serial No. 516,910, published Oct. 19, 1948. Class 16.

Napier Company, The, Meriden, Conn. Toilet powder cakes, rouge, lipsticks, etc. 506,522, Feb. 8; Serial No. 540,852, published Oct. 26, 1948. Class 6.

Nash Inc., Jersey City, N. J. Bill folds, pocket books, purses, and wallets. 436,060, Jan. 20, 1948. Republished Feb. 8. Class 3.

Nathanson, Joseph G., Natick, R. I. Textile treatment chemicals. 506,442, Feb. 8; Serial No. 528,501, published Nov. 9, 1948. Class 6.

National Biscuit Company: *See*—
Savory Baking Company.

National Carbon Company, Inc., New York, N. Y. Carbon and graphite construction materials and structural elements. 442,077, Feb. 8; Serial No. 525,370, published Aug. 24, 1948. Class 12.

National Drug Company, The, Philadelphia, Pa. Tablet containing digitoxin. 435,664, Jan. 6, 1948. Republished Feb. 8. Class 6.

National Fruit Canning Co.: *See*—
Wenatchee Packing Corporation.

National Fruit Canning Co., by National Fruit Canning Co., Seattle, Wash. Canned fruits. 249,330, Nov. 18, 1928. Republished Feb. 8. Class 46.

National Fruit Canning Co., Seattle, Wash. Canned fruits. 319,629, Dec. 4, 1934. Republished Feb. 8. Class 46.

National Fruit Canning Co., Seattle, Wash. Canned fruits. 319,896, Dec. 11, 1934. Republished Feb. 8. Class 46.

National Motor Bearing Company, Inc., Redwood City, Calif. Grease and oil retainers of the friction type. 506,892, Feb. 8; Serial No. 505,610, published Nov. 2, 1948. Class 35.

National Provisioner, Inc., The: *See*—
Food Trade Publishing Company, The.

National Provisioner, Inc., The, Chicago, Ill. Periodical publication. 247,261, Sept. 26, 1928. Republished Feb. 8. Class 38.

National Starch Co., Jersey City, N. J., and Oswego, N. Y., to Corn Products Refining Company, New York, N. Y. Laundry starch. 71,599, re-renewed Dec. 1, 1948. O. G. Feb. 8. Class 6.

National Textile Dist. Corp., New York, N. Y., to The Krolik Corporation, Detroit, Mich. Men's and boys' outer wear. 252,384, renewed Feb. 5, 1949. O. G. Feb. 8. Class 39.

Nat. Tex. Dist. Corp., New York, N. Y., to The Krolik Corporation, Detroit, Mich. Textile blankets, sheets, pillowcases, etc. 252,691, renewed Feb. 12, 1949. O. G. Feb. 8. Class 42.

National Textile Dist. Corp., New York, N. Y., to The Krolik Corporation, Detroit, Mich. Athletic shirts. 254,065, renewed Mar. 12, 1949. O. G. Feb. 8. Class 39.

Nedick's Inc.: *See*—
Nedick's Stores, Inc.

Nedick's Inc., New York, N. Y. Pressed comminuted meat product intended primarily for sandwiches. 328,707–8, Oct. 1, 1935. Republished Feb. 8. Class 46.

Nedick's Stores, Inc., by Nedick's Inc., New York, N. Y. Orange juice beverage. 342,017–18, Dec. 29, 1936. Republished Feb. 8. Class 45.

Nedick's Stores, Inc., by Nedick's Inc., New York, N. Y. Orange juice beverage, orange concentrate and syrup for mixing orange juice beverage. 415,760, Aug. 14, 1945. Republished Feb. 8. Class 45.

Nedick's Stores, Inc., by Nedick's Inc., New York, N. Y. Meat products, bakery products. 418,088, Dec. 4, 1945. Republished Feb. 8. Class 46.

Nedick's Stores, Inc., now by change of name to Nedick's Inc., by Nedick's Inc., New York, N. Y. Meat products, bakery products. 419,057, Feb. 5, 1946. Republished Feb. 8. Class 46.

Nettleton, A. E., Company, Syracuse, N. Y. Men's and boys' shoes. 82,711, July 18, 1911. Republished Feb. 8. Class 39.

Nettleton, A. E., Company, Syracuse, N. Y. Men's and boys' shoes. 286,418, Aug. 25, 1931. Republished Feb. 8. Class 39.

Nettleton, A. E., Company, Syracuse, N. Y. Ladies', men's, and boys' shoes. 362,784, Nov. 29, 1938. Republished Feb. 8. Class 39.

Netsky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Ladies' sportswear outer garments. 371,501, Sept. 26, 1939. Republished Feb. 8. Class 39.

Netsky, William, doing business as Susquehanna Waist Company, Philadelphia, Pa. Dress shields. 389,049, July 22, 1941. Republished Feb. 8. Class 40.

New Haven Clock and Watch Company, The, New Haven, Conn. Clocks, watches, and parts thereof. 506,418, Feb. 8; Serial No. 523,474, published Oct. 26, 1948. Class 27.

Newell & Errecart, Stockton, Calif. Emollient for use as a teat conditioner and as a soothing and cooling dressing for chapped teats, cuts and skin abrasions. 442,051, Feb. 8; Serial No. 517,195, published Sept. 9, 1947. Class 6.

New Home Sewing Machine Company, The, New York, N. Y., to The New Home Sewing Machine Company, Rockford, Ill. Sewing machines. 216,809, renewed Aug. 24, 1946. O. G. Feb. 8. Class 23.

Newport Industries, Inc., Pensacola, Fla. Pine oil. 506,554, Feb. 8; Serial No. 543,978, published Sept. 28, 1948. Class 6.

Nicholas, George L., doing business as The Medicine Chest, Indianapolis, Ind. Laxatives. 442,070, Feb. 8; Serial No. 523,979, published Nov. 2, 1948. Class 6.

Nobilitt-Sparks Industries, Inc., Columbus, Ind. Automobile heaters. 506,447, Feb. 8; Serial No. 529,811, published Oct. 12, 1948. Class 19.

Noilly Prat & Cie., assignors to Etablissements Noilly Prat & Cie., Society Anonyme, to Etablissements Noilly Prat & Cie. Societe Anonyme, Marseille, France. Vermouth. 251,851, renewed Jan. 15, 1949. O. G. Feb. 8. Class 49.

North & Judd Manufacturing Company, New Britain, Conn. Buckles, belt buckles, fob pendants, etc. 237,054, Jan. 3, 1928. Republished Feb. 8. Class 28.

North Billerica Co., North Billerica, Mass. Piece goods. 147,658, Oct. 25, 1921. Republished Feb. 8. Class 42.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 214,277, June 15, 1926. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Folded paper towels. 235,728, Nov. 22, 1927. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 261,341, Sept. 17, 1929. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 262,563, Oct. 15, 1929. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 304,775, July 18, 1933. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 305,106, Aug. 1, 1933. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 311,720, Apr. 3, 1934. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 321,388, Jan. 29, 1935. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 337,930, Aug. 25, 1936. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper napkins. 338,734, Sept. 15, 1936. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. 342,603, Jan. 19, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet (tissue) paper. 344,660–2, Mar. 30, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 345,716, May 4, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper napkins. 345,717, May 4, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 347,346, June 22, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 347,347, June 22, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 347,919, July 13, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 347,920, July 13, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper towels. 348,168, July 20, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 350,290, Sept. 21, 1937. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Dispensing cabinets. 363,891, Jan. 10, 1939. Republished Feb. 8. Class 2.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 367,495, May 16, 1939. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 367,646–7, May 23, 1939. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Facial tissue. 368,699, June 27, 1939. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. 376,522, Mar. 26, 1940. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Bathroom tissue. 378,475, June 11, 1940. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper products. 421,794, June 18, 1946. Republished Feb. 8. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper products. 423,741, Sept. 10, 1946. Republished Feb. 8. Class 37.

Northrup, King & Co., Minneapolis, Minn., and Berkeley, Calif. Grass seeds. 506,415, Feb. 8; Serial No. 522,499, published Oct. 26, 1948. Class 1.

Northrup, King & Co., Minneapolis, Minn. Alfalfa seed. 506,439, Feb. 8; Serial No. 528,307, published Nov. 2, 1948. Class 1.

Norwich Pharmacal Company, The, Norwich, N. Y. Shaving cream. 252,066, renewed Jan. 22, 1949. O. G. Feb. 8. Class 4.

O'Brien Corporation, The, South Bend, Ind., by change of name from O'Brien Varnish Corporation. Paint enamels, paint enamel undercoats, ready mixed interior paints, etc. 506,405, Feb. 8; Serial No. 517,281, published Oct. 19, 1948. Class 16.

O'Brien Varnish Corporation: *See*—
O'Brien Corporation, The.

Oceanic Sales Company, Seattle, Wash. Canned salmon. 249,771, Nov. 20, 1928. Republished Feb. 8. Class 46.

Od Peacock Sultan Company, St. Louis, Mo. Medicinal preparation. 506,469, Feb. 8; Serial No. 535,343, published Sept. 28, 1948. Class 6.

Ogint, Adam, doing business as Carbutone Manufacturing Co., Hollywood, Calif. Chemical preparation. 442,063, Feb. 8; Serial No. 521,677, published Oct. 5, 1948. Class 6.

O'Hearn Manufacturing Company, Gardner, Mass. Living room, bedroom, and other types of household chairs. 506,502, Feb. 8; Serial No. 536,710, published Oct. 19, 1948. Class 32.

Ohio Electric Mfg. Company, The, Cleveland, Ohio. Lifting magnets. 506,530, Feb. 8; Serial No. 541,697, published Oct. 26, 1948. Class 21.

Ojai Orange Association, Ojai, Calif. Fresh citrus fruits. 506,540, Feb. 8; Serial No. 542,642, published Oct. 19, 1948. Class 46.

Okonite Company, The, Passaic, N. J. Electric cable. 506,494, Feb. 8; Serial No. 535,591, published Nov. 2, 1948. Class 21.

Oneida Ltd., Sherrill and Oneida, N. Y. Sterling silver flat tableware. 506,560, Feb. 8; Serial No. 545,387, published Oct. 26, 1948. Class 28.

O'Neill, Bessie G., doing business as Southwest Chemical Co., Eagle Rock, Calif. Poisoned raisin and barley mixture. 397,577, Sept. 8, 1942. Republished Feb. 8. Class 6.

Osborn Paper Company, Marion, Ind. Paper tablets. 110,219, May 9, 1916. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Paper tablets. 110,322, May 16, 1916. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Tablets, composition books and notebooks. 114,273, Dec. 5, 1916. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Writing tablets, composition books, student notebooks, etc. 121,938, June 11, 1918. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Writing and printing papers and writing tablets. 132,769, June 29, 1920. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Writing tablets, mailing envelopes, papeteries, etc. 134,424, Aug. 31, 1920. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Writing tablets, writing and printing paper, mailing and correspondence envelopes, etc. 166,137, Mar. 27, 1923. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Writing tablets, school tablets, composition books, etc. 180,690, Mar. 4, 1924. Republished Feb. 8. Class 37.

Osborn Paper Company, Marion, Ind. Paper bags. 206,408, Dec. 1, 1925. Republished Feb. 8. Class 2.

Osborn Paper Company, Marion, Ind. Writing tablets, school tablets, composition books, student notebooks, etc. 226,935, Apr. 26, 1927. Republished Feb. 8. Class 37.

Oshkosh Brewing Company, Oshkosh, Wis. Beer. 357,495, June 7, 1938. Republished Feb. 8. Class 48.

Ostberg, Ivan: *See*—
Ostberg, John H.

Ostberg, John H., doing business as Consolidated Seed Co. (not Inc.), to I. Ostberg, doing business as Ostberg Seed Co. (not Inc.), Chicago, Ill. Lawn-grass seed. 252,131, renewed Jan. 22, 1949. O. G. Feb. 8. Class 1.

Ostberg Seed Co. (not Inc.): *See*—
Ostberg, John H.

Pacific Bone Coal & Fertilising Company, to Consolidated Chemical Industries, Inc., San Francisco, Calif. Steamed bone meal. 255,536, renewed Apr. 23, 1949. O. G. Feb. 8. Class 46.

Pacific Guano Company, Berkeley, Calif. Insecticides. 506,536, Feb. 8; Serial No. 541,957, published Oct. 26, 1948. Class 6.

Pacific Trading Co., Inc., San Francisco, Calif. Canned vegetables. 249,322, renewed Nov. 13, 1948. O. G. Feb. 8. Class 46.

Pacific Trading Co., Inc., San Francisco, Calif. Canned fish. 250,061, renewed Nov. 27, 1948. O. G. Feb. 8. Class 46.

Page Milk Co., The, Merrill, Wis. Evaporated milk. 506,592, Feb. 8; Serial No. 532,485. Class 46.

Page Milling Company, The, Luray, Va. Wheat flour, self-rising flour, corn meal, etc. 250,913, renewed Dec. 18, 1948. O. G. Feb. 8. Class 46.

Page Milling Company, Luray, Va. Plain and self-rising flours. 251,058, renewed Dec. 25, 1948. O. G. Feb. 8. Class 46.

Pakula and Company, Chicago, Ill. Jewelry. 442,029. Feb. 8; Serial No. 513,190, published Oct. 26, 1948. Class 28.

Palmolive-Peet Company, The, Chicago, Ill., now by change of name Colgate-Palmolive-Peet Company, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap. 256,069, renewed May 7, 1949. O. G. Feb. 8. Class 4.

Paraffine Companies, Inc., The: *See*—
Paraffine Paint Co., The.

Paraffine Companies, Inc., The, San Francisco, Calif. Composition for coating roofs. 178,196, Jan. 8, 1924. Republished Feb. 8. Class 12.

Paraffine Companies, Inc., The, San Francisco, Calif. Paint enamels. 206,946, Dec. 15, 1925. Republished Feb. 8. Class 16.

Paraffine Companies, Inc., The, San Francisco, Calif. Plastic cement. 248,211, Oct. 16, 1928. Republished Feb. 8. Class 12.

Paraffine Company, Inc., The: *See*—
Plant Rubber & Asbestos Works.

Paraffine Paint Co., The, by The Paraffine Companies, Inc., San Francisco, Calif. Waterproof material. 69,554, June 23, 1908. Republished Feb. 8. Class 12.

Paraffine Paint Co., The, to The Paraffine Companies, Inc., San Francisco, Calif. Asphalt-base paints. 73,396, re-renewed Apr. 13, 1949. O. G. Feb. 8. Class 16.

Paraffine Paint Company, The, by The Paraffine Companies, Inc., San Francisco, Calif. Refined asphalt. 81,479, Apr. 11, 1911. Republished Feb. 8. Class 12.

Paramount Pest Control Service, Oakland, Calif. Insecticides, rodenticides and fungicides. 442,041, Feb. 8; Serial No. 515,631, published Nov. 2, 1948. Class 6.

Parrish, Robert E., Fort Worth, Tex. Preparation for the treatment of bovine keratics. 416,764, Sept. 25, 1945. Republished Feb. 8. Class 6.

Pastene & Co., Inc.: *See*—
Pastene, P. & Co. Inc.

Pastene, P. & Co. Inc., Boston, Mass., by Pastene & Co., Inc., New York, N. Y. Olive oil. 241,362, Apr. 24, 1928. Republished Feb. 8. Class 46.

Patek Brothers, Inc., Milwaukee, Wis. Paint sold in liquid form. 506,463, Feb. 8; Serial No. 531,827, published Oct. 19, 1948. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Paint enamel. 506,464, Feb. 8; Serial No. 531,828, published Oct. 19, 1948. Class 16.

Patek Brothers, Inc., Milwaukee, Wis. Paint sold in paste form. 506,470, Feb. 8; Serial No. 532,867, published Oct. 19, 1948. Class 16.

Patent Cereals Co., The, Geneva, N. Y. Paint cleaner and preparation for cleaning painted, varnished, and enameled surfaces, etc. 254,267, renewed Mar. 19, 1949. O. G. Feb. 8. Class 4.

Peck & Peck, New York, N. Y. Hosiery. 187,321, July 29, 1924. Republished Feb. 8. Class 39.

Peck & Peck, New York, N. Y. Hosiery. 212,780, May 11, 1926. Republished Feb. 8. Class 39.

Peck & Peck, New York, N. Y. Hosiery. 248,015, Oct. 16, 1928. Republished Feb. 8. Class 39.

Peek, Frean & Co., Limited, London, England. Biscuits. 71,902, re-renewed Dec. 22, 1948. O. G. Feb. 8. Class 46.

Peerless Carbon Black Company, The: *See*—
Peerless Carbon Black Company, Limited.

Peerless Carbon Black Company, Limited, to The Peerless Carbon Black Company, Pittsburgh, Pa. Carbon-blacks. 31,818, re-renewed July 19, 1948. O. G. Feb. 8. Classes 1, 11 and 16.

PerfeKtum Products Co.: *See*—
Popper & Klein, Inc.

Permatex Company, Inc.: *See*—
Benoit, Constant.

Perry, Adelaide R., by S. A. Perry, Buffalo, N. Y. Remedy for neuralgia, sick and bilious headache. 129,047, Jan. 20, 1920. Republished Feb. 8. Class 6.

Perry, Sue A.: *See*—
Perry, Adelaide R.

Peter, Arthur & Co., to Wintersmith Chemical Company, Louisville, Ky. Pills, tonics, ointments, etc. 32,800, re-renewed May 2, 1949. O. G. Feb. 8. Class 6.

Petersen Manufacturing Co.: *See*—
Petersen, William.

Petersen Manufacturing Company, Inc.: *See*—
Petersen, William.

Petersen, William, doing business as Petersen Manufacturing Co., by Petersen Manufacturing Company, Inc., De Witt, Nebr. Wrenches. 381,733, Oct. 1, 1940. Republished Feb. 8. Class 23.

Pfaffman Company, The: *See*—
Pfaffman Egg Noodle Company, The.

Pfaffman Egg Noodle Company, The, to The Pfaffman Company, Cleveland, Ohio. Alimentary paste products. 249,310, renewed Nov. 13, 1948. O. G. Feb. 8. Class 46.

Phi Psi Fraternity, Wolfeboro, N. H. Fraternity pins, finger rings, and lapel buttons. 506,550, Feb. 8; Serial No. 543,738, published Nov. 2, 1948. Class 28.

Phi Theta Pi Fraternity, Des Moines, Iowa. Fraternity pins, finger rings, and lapel buttons. 506,551, Feb. 8; Serial No. 543,739, published Nov. 2, 1948. Class 28.

Philippine Desiccated Coconut Corp., New York, N. Y. Desiccated coconut. 188,145, Aug. 19, 1924. Republished Feb. 8. Class 46.

Phillips' Patents Limited, London, England. Soles and heels. 249,044, renewed Nov. 6, 1948. O. G. Feb. 8. Class 39.

Pick Manufacturing Company, by Pick Manufacturing Company, West Bend, Wis. Oil filters. 378,666, June 11, 1940. Republished Feb. 8. Class 31.

Pinecastle Boat and Construction Company: *See*—
Correct Craft, Inc.

Pine Tree Milking Machine Co., Chicago, Ill. Milking machines and parts thereof. 506,424, Feb. 8; Serial No. 526,553, published Sept. 7, 1948. Class 23.

Pinex Company, The, Fort Wayne, Ind. Cough balsam. 394,959, May 5, 1942. Republished Feb. 8. Class 6.

Pinex Company, The, Fort Wayne, Ind. Cough syrup, chest rub, laxative, etc. 423,766, Sept. 10, 1946. Republished Feb. 8. Class 6.

Pinto, Edgar, executor: *See*—
Swan, Mabel M.

Pioneer Heat Regulator Company: *See*—
Dicke, Carl H.

Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Live poultry. 387,198, May 6, 1941. Republished Feb. 8. Class 46.

Pioneer Hi-Bred Corn Company, Des Moines, Iowa. Hybrid seed corn. 434,971, Dec. 9, 1947. Republished Feb. 8. Class 1.

Pittsburgh Consolidation Coal Company: *See*—
Clover Splint Coal Company.

Pittsburgh-Corning Corporation, Pittsburgh, Pa. Cellular structural material. 398,771, Nov. 24, 1942. Republished Feb. 8. Class 12.

Planada Packers: *See*—
Beckwith Company, The.

Plant Rubber & Asbestos Works, by The Paraffine Company, Inc., San Francisco, Calif. Packings made of asbestos, rubber, flax, etc. 313,280, May 22, 1934. Republished Feb. 8. Class 35.

Plibrico Jointless Firebrick Company, Chicago, Ill. High temperature cement. 269,699, Apr. 15, 1930. Republished Feb. 8. Class 12.

Plibrico Jointless Firebrick Company, Chicago, Ill. Refractory cement. 344,616, Mar. 30, 1937. Republished Feb. 8. Class 12.

Plough, Inc.: *See*—
Marshall, Calvin C.

Plunkett-Jarrell Grocer Co., Little Rock, Ark. Tea, ground cinnamon, orange flavoring extract, etc. 86,761, May 28, 1912. Republished Feb. 8. Class 46.

Ponemah Mills, Taftville, Conn. Rayon fabric goods in the piece. 441,992, Feb. 8; Serial No. 485,365, published Sept. 23, 1947. Class 42.

Poor & Company: *See*—
Rail Joint Company, The.

Popper & Klein, Inc., also doing business under the name PerfeKtum Products Co., New York, N. Y. Hypodermic syringes, hypodermic needles, hypodermic syringe filters, etc. 441,994, Feb. 8; Serial No. 494,630, published Oct. 26, 1948. Class 44.

Porte Manufacturing Co. Inc., doing business as Joray Mfg. Co., Brooklyn, N. Y. Brake fluid. 442,071, Feb. 8; Serial No. 524,151, published Sept. 28, 1948. Class 6.

Postindex Company, Inc., by Art Metal Construction Company, Jamestown, N. Y. File cabinets. 243,630, June 26, 1928. Republished Feb. 8. Class 32.

Poultry Producers of Central California: *See*—
Poultry Producers of Central California, Inc.

Poultry Producers of Central California, Inc., by Poultry Producers of Central California, San Francisco, Calif. Eggs. 146,334, Sept. 6, 1921. Republished Feb. 8. Class 46.

Poythress, Wm. P. & Company, Inc., Richmond, Va. Pharmaceutical preparation. 399,438, Jan. 5, 1943. Republished Feb. 8. Class 6.

Progressive Chemical Co.: *See*—
Reese, G. Byron.

Publix Shirt Corporation: *See*—
Liebovitz, S., & Sons, Inc.

Purocaine, Inc., Philadelphia, Pa. Liquid and solid chemical compounds and compositions. 441,993, Feb. 8; Serial No. 492,788, published Nov. 2, 1948. Class 6.

Qui Sait Company: *See*—
Brownback, Lillian H.

Rabell, Miriam E. Waterbury, Conn. Tampons. 506,495, Feb. 8; Serial No. 535,623, published Nov. 2, 1948. Class 44.

Radiron Corporation, Miamisburg, Ohio. Electric toasters. 442,057, Feb. 8; Serial No. 519,694, published Nov. 2, 1948. Class 21.

Rador Company, Balboa, Calif. Radio controlled operators. 506,563, Feb. 8; Serial No. 546,325, published Oct. 26, 1948. Class 21.

Rail Joint Company, The, assignor to Poor & Company, by Poor & Company, Chicago, Ill. Railway track joints. 347,282, June 22, 1937. Republished Feb. 8. Class 14.

Raybestos-Manhattan, Inc., Passaic, N. J. Rubber pipe-coupler rings, rubber sheet-packing, rubber pump-valves, etc. 506,461, Feb. 8; Serial No. 531,619, published May 11, 1948. Class 35.

Raybestos-Manhattan, Inc., Passaic, N. J. Brake linings and brake blocks. 506,594, Feb. 8; Serial No. 533,379. Class 35.

Redlands Mutual Orange Association: *See*—
Redlands Mutual Orange Company.

Redlands Mutual Orange Company, by Redlands Mutual Orange Association, Redlands, Calif. Fresh oranges. 125,940, July 15, 1919. Republished Feb. 8. Class 46.

Reese, G. Byron, doing business as Progressive Chemical Co., Minneapolis, Minn. Liquid chemical boiler scale remover, liquid brine solvent and metal cleaning paste. 441,991, Feb. 8; Serial No. 482,892, published Nov. 2, 1948. Class 6.

Reeves, Helen W.: *See*—
Howard, Laurel H.

Reifman, Leo, doing business as A-Jus-Tee Co., Jackson Heights, N. Y. Golf tees. 442,048, Feb. 8; Serial No. 516,999, published Oct. 12, 1948. Class 22.

Reliance Machine & Stamping Works, Inc., New Orleans, La., by Reliance Machine & Stamping Works, Inc., Dallas, Tex. Grease-gun filler necks, grease-cup fittings, grease guns and pumps, etc. 234,666, Nov. 1, 1927. Republished Feb. 8. Class 23.

Reliance Manufacturing Company, Chicago, Ill. Men's and boys' work shirts and men's athletic union suits of textile material. 256,104, renewed May 7, 1949. O. G. Feb. 8. Class 39.

Respondek, John E., doing business as Gloria Fay, Detroit, Mich. Hand lotions or creams. 506,490, Feb. 8; Serial No. 535,350, published Oct. 26, 1948. Class 6.

Rheem Manufacturing Company, Emeryville, Calif., by Rheem Manufacturing Company, New York, N. Y. Steel drums and tanks. 264,137, Nov. 19, 1929. Republished Feb. 8. Class 2.

Rhodes Pharmacal Co., Inc., Cleveland, Ohio. Preparation containing vitamin B1, tricalcium phosphate, calcium glycerophosphate, etc. 506,390, Feb. 8; Serial No. 500,826, published Oct. 25, 1948. Class 6.

Rich-Land Canning Corporation, Friesland, Wis. Canned peas and canned corn. 435,717, Jan. 6, 1948. Republished Feb. 8. Class 46.

Rikimaru Bros. and Company, Los Angeles, by K. E. Myers, Exeter, Calif. Fresh vegetables, fresh deciduous fruits, fresh cantaloupes, etc. 379,719, July 23, 1940. Republished Feb. 8. Class 46.

Ripy Bros. Distillers Incorporated: *See*—
Kramer, J. Company, Commission Merchants Inc., The.

Robbins, Anatole: *See*—
Robbins, Anatole, Inc.

Robbins, Anatole, Inc., doing business as Anatole Robbins, Los Angeles, Calif. Make-up preparation for the face, perfume, cologne, etc. 506,419, Feb. 8; Serial No. 524,283, published Oct. 26, 1948. Class 6.

Robbins, Anatole, Inc., doing business as Anatole Robbins, Los Angeles, Calif. Liquid make-up preparation for the face. 506,420, Feb. 8; Serial No. 524,284, published Nov. 2, 1948. Class 6.

Roberts Paint Corp., New York, N. Y. Ready mixed paints, paste paints, wood stains, etc. 442,046, Feb. 8; Serial No. 516,574, published Oct. 19, 1948. Class 16.

Robeson Process Company, New York, N. Y. Liquid composition of matter employed as a treating and tanning agent. 506,529, Feb. 8; Serial No. 541,462, published Oct. 26, 1948. Class 6.

Rock Island Register Company, Rock Island, Ill. Shoes and receiving boxes for hot-air furnaces. 256,304, May 14, 1929. Republished Feb. 8. Class 34.

Rockwell Manufacturing Company, Pittsburgh, Pa. Sanding kits. 506,595, Feb. 8; Serial No. 534,352. Class 4.

Roerig, J. B., and Company, Chicago, Ill. Medicinal preparation containing mineral oil. 506,456, Feb. 8; Serial No. 531,154, published Sept. 21, 1948. Class 6.

Rohm & Haas Company, Philadelphia, Pa. Resin suspensions or dispersions. 435,557, Dec. 30, 1947. Republished Feb. 8. Class 6.

Roly Poly Co., The: *See*—
Brown, James F.

Ronuk, Limited, Portslade, England. Steelwool and steel shavings. 506,583. Feb. 8; Serial No. 559,182, published Oct. 19, 1948. Class 4.

Rosemary Packing Company: *See*—
La Brea Securities Co.

Rosenberg Bros. & Co., San Francisco, Calif. Almonds. 415,848, Aug. 21, 1945. Republished Feb. 8. Class 46.

Rosenberg, Morris, by Morris Rosenberg Co., Los Angeles, Calif. Nuts. 342,908, Feb. 2, 1937. Republished Feb. 8. Class 46.

Rosenstein Brothers Inc., by Adolph Goldmark & Sons, Corp., New York, N. Y. Dried, pickled or otherwise preserved fish. 67,195, Jan. 21, 1908. Republished Feb. 8. Class 46.

Ross Packing Co., Selah, Wash. Dried fruits. 506,457, Feb. 8; Serial No. 531,247, published Oct. 19, 1948. Class 46.

Rothwell-Gatrell Fruit Co. Inc., Martinsburg, W. Va. Fresh apples. 506,524, Feb. 8; Serial No. 541,184, published Oct. 19, 1948. Class 46.

Royal Metal Manufacturing Company, Chicago, Ill. Metal furniture. 506,413, Feb. 8; Serial No. 521,029, published Oct. 26, 1948. Class 32.

Royal Souders, Inc., Dayton, Ohio. Household drugs. 506,391, Feb. 8; Serial No. 504,516, published Nov. 2, 1948. Class 6.

Russell & Co., Inc., to The Gobelin Company, Inc., Cambridge, Mass. Candy. 255,528, renewed Apr. 23, 1949. O. G. Feb. 8. Class 46.

S. M. Laboratories: *See*—
S. M. Laboratories Company.

S. M. Laboratories Company by J. Wm. Sheets, doing business under the name of S. M. Laboratories, Seattle, Wash. Vaginal suppositories. 376,215, Mar. 12, 1940. Republished Feb. 8. Class 6.

Sandhaus, Abe, New York, N. Y. Woven fabrics in the piece. 506,534, Feb. 8; Serial No. 541,887, published Oct. 19, 1948. Class 42.

Sanitor Manufacturing Co.: *See*—
Sanitor Manufacturing Co., Not Inc.

Sanitor Manufacturing Co., Not Inc., by J. C. Thomasma, doing business as Sanitor Manufacturing Co., Chicago, Ill. Paper toilet seat covers. 323,729, Apr. 30, 1935. Republished Feb. 8. Class 37.

Santa Paula Orange Association, Santa Paula, Calif. Fresh citrus fruits. 343,167–70, Feb. 9, 1937. Republished Feb. 8. Class 46.

Santa Paula Orange Association, Santa Paula, Calif. Fresh citrus fruits. 343,542, Feb. 23, 1937. Republished Feb. 8. Class 46.

Santiseptic Company: *See*—
Averill, Floyd N., Jr.

Saunders, Neil F., Detroit, Mich. Electro-therapy apparatus and parts thereof. 442,058, Feb. 8; Serial No. 519,834, published Oct. 26, 1948. Class 44.

Savory Baking Company, Newark, N. J., to National Biscuit Company, New York, N. Y. Tarts and coffee rings. 249,932, renewed Nov. 27, 1948. O. G. Feb. 8. Class 46.

Sawyer Tanning Company: *See*—
Sawyer Tanning Company, The.

Sawyer Tanning Company, The, to Sawyer Tanning Company, Napa, Calif. Shoe-upper leather, glove leather, and coat leather. 254,150, renewed Mar. 12, 1949. O. G. Feb. 8. Class 1.

Schenley Laboratories, Inc., New York, N. Y. Hydrolyzed polysaccharide. 506,396, Feb. 8; Serial No. 509,250, published Nov. 2, 1948. Class 6.

Schenley Laboratories, Inc., New York, N. Y. Penicillin vaginal suppositories. 506,564. Feb. 8; Serial No. 547,663, published Oct. 26, 1948. Class 6.

Schlitz Brewing Company (1933): *See*—
Schlitz, Joe., Brewing Company.

Schlitz, Jos. Brewing Company, by Jos. Schlitz Brewing Company (1933), Milwaukee, Wis. Lager beer. 90,587, Mar. 4, 1913. Republished Feb. 8. Class 48.

Schmidt, George A., Company, by Schmidt Soap Products, Inc., Chicago, Ill. Creams and cosmetic preparations, skin powders, lotions, etc. 68,119, Mar. 10, 1908. Republished Feb. 8. Class 6.

Schmidt Soap Products, Inc.: *See*—
Schmidt, George A.

Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, princess slips, bloomers, etc. 366,320, Apr. 11, 1939. Republished Feb. 8. Class 39.

Scholler Brothers, Inc., Philadelphia, Pa. Chemicals for control of chlorination. 506,421, Feb. 8; Serial No. 524,487, published Sept. 14, 1948. Class 6.

Schumacher, H. H., Alhambra, Calif. Honey. 399,937, Feb. 9, 1943. Republished Feb. 8. Class 46.

Schumacher, H. H., Alhambra, Calif. Honey. 409,021, Sept. 12, 1944. Republished Feb. 8. Class 46.

Schumacher Wall Board Corporation, Wilmington, Del., Seattle, Wash., and Los Angeles, Calif., by The Paraffine Companies, Inc., San Francisco, Calif. Plaster board. 236,475, Dec. 13, 1927. Republished Feb. 8. Class 12.

Schumacher Wall Board Corporation, Los Angeles, by The Paraffine Companies, Inc., San Francisco, Calif. Construction material. 248,241, Oct. 16, 1928. Republished Feb. 8. Class 12.

Schwarzwaelder Company, by Aldan Rubber Company, Philadelphia, Pa. Waterproof fabrics. 261,821, Sept. 24, 1929. Republished Feb. 8. Class 42.

Schweitzer, Peter J., Inc., New York, N. Y. Cigarette paper. 435,279, Dec. 16, 1947. Republished Feb. 8. Class 37.

Scovill Manufacturing Company, Racine, Wis., and Waterbury, Conn. Therapeutic vibrators. 506,546, Feb. 8; Serial No. 543,364, published Oct. 26, 1948. Class 44.

Seajoy Company Limited, Putney, London, England. Medicinal preparation for the prevention of sea-sickness. 506,443, Feb. 8; Serial No. 528,517, published Oct. 26, 1948. Class 6.

Seamless Rubber Company, The, New Haven, Conn. Nursing bottles. 506,599, Feb. 8; Serial No. 542,886. Class 44.

Sears Bros. & Co.: *See*—
Sears Bros. & Company.

Sears Bros. & Company, Brawley, Calif., by Sears Bros. & Co., Natsonville, Calif. Fresh vegetables. 275,764, Sept. 30, 1930. Republished Feb. 8. Class 46.

Seeman Brothers, Inc., New York, N. Y. Canned salmon. 506,499, Feb. 8; Serial No. 536,298, published Oct. 19, 1948. Class 46.

Semon Bache & Company, New York, N. Y. Sheet glass, window glass, and plate glass. 230,697, Aug. 2, 1927. Republished Feb. 8. Class 33.

Serene & Reeves: *See*—
Trigon Corporation, The.

Sewall & Son, Inc., Auburn, Maine. Strips of composite material from which insoles may be cut. 396,455–6, July 21, 1942. Republished Feb. 8. Class 50.

Shapiro, Harry, New York, N. Y. Insecticidal shampoo. 431,849, Aug. 12, 1947. Republished Feb. 8. Class 6.

Sharpe & Dohme, Incorporated, Philadelphia, Pa. Biological Immunogenic preparation. 506,555, Feb. 8; Serial No. 544,122, published July 27, 1948. Class 6.

Shaw, John E., Los Angeles, Calif. Drills, bits and reamers. 394,463, Apr. 7, 1942. Republished Feb. 8. Class 23.

Sheets, J. Wm.: *See*—
S. M. Laboratories Company.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides, fungicides, herbicides, etc. 442,073, Feb. 8; Serial No. 524,730, published Nov. 2, 1948. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Putty, caulking compound, crack fillers, etc. 442,074, Feb. 8; Serial No. 524,732, published Sept. 28, 1948. Class 12.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 506,558, Feb. 8; Serial No. 545,293, published Sept. 21, 1948. Class 6.

Shotwell Mfg. Co., The, Chicago, Ill. Candy bars. 442,016, Feb. 8; Serial No. 510,117, published Oct. 26, 1948. Class 46.

Simplex Manufacturing Company: *See*—
Stephenson, William B.

Sintos Co., The: *See*—
Coutinho, Henri.

Sipe, James B., and Company, Pittsburgh, Pa. Varnish and clear varnish sealer. 506,458, Feb. 8; Serial No. 531,382, published Oct. 19, 1948. Class 16.

Sipe, James B., and Company, Pittsburgh, Pa. Mixture of paint oils. 506,459, Feb. 8; Serial No. 531,383, published Oct. 19, 1948. Class 16.

Skandia Furniture Company of Rockford, Illinois, The, Rockford, to Superior Sleeprite Corporation, Chicago, Ill. Desks, secretaries, chests of drawers, etc. 243,133, renewed June 12, 1948. O. G. Feb. 8. Class 32.

Skinner, William, Manufacturing Co., Holyoke, by William Skinner & Sons, Holyoke, Mass., and New York, N. Y. Silk and satin piece goods. 46,210, Sept. 12, 1905. Republished Feb. 8. Class 42.

Skinner, William, & Sons: *See*—
Skinner, William, Manufacturing Co.

Skinner, William, & Sons, New York, N. Y., and Holyoke, Mass. Silk and silk and cotton fabrics in the piece. 154,388, Apr. 11, 1922. Republished Feb. 8. Class 42.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk piece goods and crepe piece goods. 353,034, Dec. 21, 1937. Republished Feb. 8. Class 42.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Silk, rayon and cotton piece goods. 384,813, Apr. 28, 1942. Republished Feb. 8. Class 42.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Piece goods. 387,065, Apr. 29, 1941. Republished Feb. 8. Class 42.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Sport jackets, jockey caps, aviators jumpers, etc. 387,383, May 13, 1941. Republished Feb. 8. Class 39.

Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Piece goods. 389,720, Aug. 19, 1941. Republished Feb. 8. Class 42.

Smith, A. O., Corporation, Milwaukee, Wis. Containers for the storage of liquids and gas. 506,436, Feb. 8; Serial No. 527,760, published Nov. 2, 1948. Class 2.

Smith, Arthur E., Los Angeles, Calif. Local anesthetizing nerve blocking tablets, etc. 506,430, Feb. 8; Serial No. 527,216, published Sept. 21, 1948. Class 6.

Smith, Franklin E., South Dartmouth, Mass. Flax fiber. 442,036, Feb. 8; Serial No. 515,200, published Oct. 26, 1948. Class 1.

Smith, James P., & Company, by James P. Smith & Company, Inc., New York, N. Y. Olives and paprika. 201,927, Aug. 11, 1925. Republished Feb. 8. Class 46.

Smith, James P., & Company, by James P. Smith & Company, Inc., New York, N. Y. Imported French castile soap. 206,138, Nov. 24, 1925. Republished Feb. 8. Class 4.

Smith, James P., & Company, Inc.: *See*—
Smith, James P., & Company.

Smithwick, Jack K., Shreveport, La. Artificial fish bait. 506,437, Feb. 8; Serial No. 528,123, published Oct. 5, 1948. Class 22.

Smoked Products Company, Cincinnati, Ohio, by Cutler-Magner Company, Duluth, Minn. Salt. 206,585, Dec. 8, 1925. Republished Feb. 8. Class 46.

Smythson, Frank, Limited, London, England. Diaries. 264,591, Nov. 26, 1929. Republished Feb. 8. Class 37.

Societe Anonyme Les Dentifrices Du Docteur Pierre, to Societe Anonyme Parfums Forvil & Dentifrices Du Docteur Pierre Reunis, Nanterre, France. Perfume, toilet water, face powder, etc. 252,417, renewed Feb. 5, 1949. O. G. Feb. 8. Class 6.

Societe Anonyme Parfums Forvil & Dentifrices Du Docteur Pierre Reunis: *See*—
Societe Anonyme Les Dentifrices Du Docteur Pierre.

Societe Francaise De L'Everite, La Plaine St.-Denis, by Societes Reunies Everite-Sitube Produits en Amiante, Ciment et en Beton, Paris, France. Slates, tile, plates, etc. 224,568–70, Mar. 1, 1927. Republished Feb. 8. Class 12.

Societe Nouvelle Minerva, S. A.: *See*—
Minerva Motors.

Societes Reunies Everite-Sitube Produits en Amiante, Ciment et en Beton: *See*—
Societe Francaise De L'Everite.

Solar Corporation, doing business as Beam Manufacturing Company, Milwaukee, Wis., and Webster City, Iowa, Motor scooters. 506,441, Feb. 8; Serial No. 528,381, published Oct. 12, 1948. Class 19.

Southwest Chemical Co.: *See*—
O'Neill, Bessie G.

Spartan Grocers, Inc., Los Angeles, Calif., by Briardale Co., San Francisco, Calif. Food-flavoring extracts, vinegar, olive oil, pickles, etc. 256,959, May 28, 1929. Republished Feb. 8. Class 46.

Speedaumat Addressing Machinery, Incorporated: *See*—
Speedaumatic Company, The.

Speedaumat Manufacturing Company, assignee: *See*—
Speedaumatic Company, The.

Speedaumatic Company, The, Chicago, Ill., now by change of name Speedaumat Addressing Machinery, Incorporated, assignor to Speedaumat Manufacturing Company to Addressograph-Multigraph Corporation, Cleveland, Ohio. Printing plates, embossing machines, addressing machines, etc. 253,798, renewed Mar. 5, 1949. O. G. Feb. 8. Classes 23 and 50.

Speer Carbon Company, St. Marys, Pa. Articles and products for electrical purposes. 506,482, Feb. 8; Serial No. 534,563, published Nov. 2, 1948. Class 21.

Sperry Corporation, The: *See*—
Sperry Gyroscope Company, Inc.

Sperry Gyroscope Company, Inc., Brooklyn, N. Y., now by merger The Sperry Corporation. Electric high frequency testing and measuring apparatus. 441,960, Feb. 8; Serial No. 471,138, published Feb. 27, 1945. Class 26.

Sport Products Inc., Cincinnati, Ohio. Athletic equipment. 442,001, Feb. 8; Serial No. 501,417, published Oct. 5, 1948. Class 22.

Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 506,454, Feb. 8; Serial No. 530,977, published Oct. 5, 1948. Class 22.

Sportspacer Corporation, The, New York, N. Y. Baseballs, softballs, footballs, etc. 435,987, Jan. 20, 1948. Republished Feb. 8. Class 22.

Spranso, Richard, doing business as Beefet Sandwich Shop, assignor to Beefet Sandwich Shops, Inc., Chicago, Ill. Meat sandwiches. 442,072, Feb. 8; Serial No. 524,426, published Oct. 26, 1948. Class 46.

Springs Cotton Mills, The, Lancaster, S. C. Sheets, pillow cases, and cotton and rayon textile fabrics. 506,579, Feb. 8; Serial No. 554,621, published Oct. 19, 1948. Class 42.

Springs Cotton Mills, The, Lancaster, S. C. Sheets, pillow cases, and cotton and rayon textile fabrics. 506,580–1, Feb. 8; Serial Nos. 554,623–4, published Oct. 19, 1948. Class 42.

Spyco Smelting & Refining Company, Minneapolis, Minn. Precious metal alloy for dental use. 316,569, Aug. 28, 1934. Republished Feb. 8. Class 44.

Squibb, E. R. & Sons, New York, N. Y. Sterile aqueous solution. 252,240, renewed Jan. 29, 1949. O. G. Feb. 8. Class 6.

Stamin Lewis Corp., Brooklyn, N. Y. Crib pads and mattresses. 506,600–1, Feb. 8; Serial Nos. 542,889–90. Class 32.

Stahl-Meyer, Inc., New York, N. Y. Smoked and pickled meats. 442,061, Feb. 8; Serial No. 521,368, published Oct. 26, 1948. Class 46.

Stamford Tool & Die Corporation, Stamford, Conn. Automatic fish hook. 506,444, Feb. 8; Serial No. 528,893, published Oct. 12, 1948. Class 22.

Standard Accident Insurance Company, Detroit, Mich. Booklets. 250,769, renewed Dec. 18, 1948. O. G. Feb. 8. Class 38.

Standard Carbon Company, Monroe, La., by United Carbon Company, Inc., (Maryland), Charleston, W. Va. Carbon black. 178,187, Jan. 8, 1924. Republished Feb. 8. Class 16.

Standard Steel Works Company, Burnham, by The Baldwin Locomotive Works, Eddystone, Pa. Railway wheels and tires. 347,933, July 13, 1937. Republished Feb. 8. Class 19.

Standard Transformer Corporation, Chicago, Ill. Fixed and variable transformers, reactors, transmitters, etc. 506,500, Feb. 8; Serial No. 536,458, published Oct. 26, 1948. Class 21.

Stanford Seed Company, Inc., The, Buffalo, N. Y. Seeds. 506,510, Feb. 8; Serial No. 538,568, published Oct. 26, 1948. Class 1.

Stanley Fruit Company, Phoenix, Ariz. Fresh lettuce, fresh carrots and fresh cantaloupes. 506,455, Feb. 8; Serial No. 531,050, published Oct. 19, 1948. Class 46.

Stanley Manufacturing Co., Inc., The, Denver, Colo. Covering for bed pads, mattresses, and bedding, made of fabric. 506,575, Feb. 8; Serial No. 549,852, published Oct. 19, 1948. Class 42.

Staples & Seefeld, Milwaukee, Wis., by Lewis Bolt & Nut Company, Minneapolis, Minn. Attaching members for vehicle non-skid tread members. 138,128, Dec. 14, 1920. Republished Feb. 8. Class 13.

Star Jewelry Co., Inc., New York, N. Y. Costume jewelry. 442,056, Feb. 8; Serial No. 519,232, published Oct. 26, 1948. Class 28.

State Welding Works, Inc., New York, N. Y. Automobile radiator guards, collapsible step for vehicles, and automobile luggage carriers. 442,065, Feb. 8; Serial No. 521,938, published Oct. 12, 1948. Class 19.

Staver, Edward F., doing business as Staver Mfg. Co., Jackson Heights, N. Y. Holders for retaining electron emission tubes. 506,476, Feb. 8; Serial No. 534,063, published Nov. 2, 1948. Class 21.

Staver, Edward F., doing business as Staver Mfg. Co., Jackson Heights, N. Y. Shields for use on electron emission tubes. 506,477, Feb. 8; Serial No. 534,064, published Nov. 2, 1948. Class 21.

Staver Mfg. Co.: *See*—
Staver, Edward F.

Sta-Warm Electric Company, The, Ravenna, Ohio. Electrically heated apparatus. 506,516, Feb. 8; Serial No. 540,332, published Nov. 2, 1948. Class 21.

Stein, S., & Co., to S. Stein & Co., Inc., New York, N. Y. Woolen goods in the piece. 252,622, renewed Feb. 12, 1949. O. G. Feb. 8. Class 42.

Stein, S., & Co., to S. Stein & Co., Inc., New York, N. Y. Woolen goods in the piece. 253,068, renewed Feb. 19, 1949. O. G. Feb. 8. Class 42.

Stein, S., & Co., to Kingsley Fabrics, Inc., New York, N. Y. Woolen goods in the piece. 253,311, renewed Feb. 26, 1949. O. G. Feb. 8. Class 42.

Stein, S., & Co., Inc.: *See*—
Stein, S., & Co.

Stephenson, William B., doing business as Simplex Manufacturing Company, Fond du Lac, Wis. Draft controls. 350,287, Sept. 21, 1937. Republished Feb. 8. Class 34.

Stevens, J. P., & Co., Inc., New York, N. Y. Woolen and worsted piece goods. 442,080, Feb. 8; Serial No. 525,701, published Oct. 19, 1948. Class 42.

Stevens & Thompson Paper Co.: *See*—
Linton & Scott.

Stevens & Thompson Paper Co., Greenwich, N. Y. Trays. 200,293, June 30, 1925. Republished Feb. 8. Class 2.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 339,239, Sept. 29, 1936. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 339,610, Oct. 13, 1936. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 340,732, Nov. 17, 1936. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 347,607, June 29, 1937. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 354,947, Mar. 1, 1938. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Paper trays. 363,178, Dec. 13, 1938. Republished Feb. 8. Class 2.

Stevens & Thompson Paper Co., Greenwich, N. Y. Paper towels. 366,592, Apr. 18, 1939. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Paper towels. 377,151, Apr. 23, 1940. Republished Feb. 8. Class 37.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet tissue and towels. 398,389, Oct. 27, 1942. Republished Feb. 8. Class 37.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Artificial silk in the piece. 169,627, June 26, 1923. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods. 224,740, Mar. 1, 1927. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Artificial silk piece goods. 255,880, Apr. 30, 1929. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods. 257,752, June 18, 1929. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods, cotton piece goods, silk and cotton mixed piece goods, etc. 258,153, June 25, 1929. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods, cotton piece goods, silk and cotton mixed piece goods, etc. 261,386, Sept. 17, 1929. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Chiffon and silk piece goods. 270,616, May 13, 1930. Republished Feb. 8. Class 42.

Stirn, L. & E., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods, artificial silk piece goods, and piece goods composed of various mixtures of silk, cotton, and artificial silk. 283,133, May 19, 1931. Republished Feb. 8. Class 42.

Stirn, L. & E., Inc., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Silk, satin, rayon, and cotton fabrics and mixtures thereof, in the piece. 375,119, Feb. 6, 1940. Republished Feb. 8. Class 42.

Stirn, L. & E., Inc., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 403,538–9, Sept. 28, 1943. Republished Feb. 8. Class 42.

Stirn, L. & E., Inc., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Dress fabrics in the piece. 403,701, Oct. 12, 1943. Republished Feb. 8. Class 42.

Stirn, L. & E., Inc., New York, N. Y., by Burlington Mills Corporation, Greensboro, N. C. Textile fabrics in the piece. 404,271–2, Nov. 16, 1943. Republished Feb. 8. Class 42.

Stone, L. R., Company, Inc., Los Angeles, Calif. Nougat candy. 506,598, Feb. 8; Serial No. 537,484. Class 46.

Studio Cosmetic Company, assignor to Howe-Lewis, Inc., Los Angeles, Calif. Nail polish remover. 442,002, Feb. 8; Serial No. 502,470, published Jan. 21, 1947. Class 6.

Sturgeon, Blanche M., Santa Barbara, Calif. Dolls. 441,998, Feb. 8; Serial No. 499,582, published Oct. 5, 1948. Class 22.

Sun Glass Industries, Newark, N. J. Sun glasses. 441,996, Feb. 8; Serial No. 497,063, published Oct. 5, 1948. Class 26.

Superior Sleeprite Corporation: *See*—
Skandia Furniture Company of Rockford Illinois, The.

Supreme Olive Oil Corporation, San Fernando, Calif. Canned fruits, ripe olives, olive oil, etc. 358,266, July 5, 1938. Republished Feb. 8. Class 46.

Supreme Olive Oil Corporation, San Fernando, Calif. Olive oil. 367,283, May 5, 1939. Republished Feb. 8. Class 46.

Susquehanna Waist Company: *See*—
Netsky, William.

Susquehanna Waist Company, by William Netsky, trading as Susquenhanna Waist Company, Philadelphia, Pa. Ladies' blouses and dresses. 321,165, Jan. 22, 1935. Republished Feb. 8. Class 39.

Susquehanna Waist Company, by William Netsky, trading as Susquenhanna Waist Company, Philadelphia, Pa. Ladies' blouses and dresses. 334,511, May 5, 1936. Republished Feb. 8. Class 39.

Swan, Mabel M., by Estate of Mabel M. Swan, deceased, Brookline, Mass., by R. H. Haynes and E. Pinto, executors. Almanac. 386,276, Apr. 1, 1941. Republished Feb. 8. Class 38.

Swan, Mabel M., Estate of: *See*—
Swan, Mabel M.

Switchcraft, Inc., Chicago, Ill. Electrical goods. 506,591, Feb. 8; Serial No. 527,328. Class 21.

Symar Packing Corporation, Los Angeles, Calif. Canned olives, fruits, and vegetables. 387,016, Apr. 29, 1941. Republished Feb. 8. Class 46.

Sylmar Packing Corporation, Los Angeles, Calif. Canned fruits, canned vegetables, and olives. 388,386, June 24, 1941. Republished Feb. 8. Class 46.

Syndicate, Alliance Trading Co., Inc., by Dry Goods Alliance, Inc., New York, N. Y. Electric refrigerators. 350,591, Sept. 28, 1937. Republished Feb. 8. Class 31.

Table Rock Laboratories, Inc., Greenville, S. C. Tablets. 506,431, Feb. 8; Serial No. 527,317, published Sept. 28, 1948. Class 6.

Table Rock Laboratories, Inc., Greenville, S. C. Tablet for the treatment of vitamin deficiencies. 506,432, Feb. 8; Serial No. 527,430, published Sept. 14, 1948. Class 6.

Tacón, Luis E., New York, N. Y. Playing cards. 442,027, Feb. 8; Serial No. 512,543, published Oct. 5, 1948. Class 22.

"Take-Along" Travel Chair Company, Thomasville, Ga. Chairs and folding chairs, cots, stools, etc. 506,511, Feb. 8; Serial No. 538,572, published Oct. 5, 1948. Class 32.

Taylor, H. P., Jr., by H. P. Taylor, Jr., Inc., Richmond, Va. Canned fruits and vegetables. 66,059, Nov. 5, 1907. Republished Feb. 8. Class 46.

Taylor, H. P., Jr., Inc.: *See*—
Taylor, H. P., Jr.

Taylor, H. P., Jr., Inc., Richmond, Va. Canned vegetables. 335,581, June 9, 1936. Republished Feb. 8. Class 46.

Teague-McKevett Association, Santa Paula, Calif. Fresh citrus fruit. 371,663, Oct. 3, 1939. Republished Feb. 8. Class 46.

Teague-McKevett Association, Santa Paula, Calif. Fresh citrus fruit. 398,038, Oct. 6, 1942. Republished Feb. 8. Class 46.

Terminal Grain Company, Fort Worth, Tex. Seed grains. 506,434, Feb. 8; Serial No. 527,622, published Oct. 26, 1948. Class 1.

Thomasma, John C.: *See*—
Sanitor Manufacturing Co., not Inc.

Thompson Company, The, Cedar Rapids, Iowa. Toys. 442,005, Feb. 8; Serial No. 505,322, published Oct. 5, 1948. Class 22.

Thompson-Hayward Chemical Company, Kansas City, Mo. Vitamin food supplement for livestock. 506,549, Feb. 8; Serial No. 543,669, published Sept. 21, 1948. Class 6.

Tibbetts, Louise S., doing business as Lamoraga Specialties, Moraga, Calif. Face creams, astringents, skin fresheners, etc. 442,060, Feb. 8; Serial No. 521,159, published Nov. 2, 1948. Class 6.

Titan Valve and Manufacturing Company, The, Cleveland, Ohio. Thermostatic controls. 483,631, Oct. 21, 1947. Republished Feb. 8. Class 26.

Transglo Company, The: *See*—
Ingber, Herbert S.

Traux-Traer Coal Company, Chicago, Ill. Coal. 378,134, May 28, 1940. Republished Feb. 8. Class 1.

Traux-Traer Coal Company, Chicago, Ill. Coal. 380,644, Aug. 27, 1940. Republished Feb. 8. Class 1.

Trifari, Krussman & Fishel, Inc., New York, N. Y. Jewelry. 506,467, Feb. 8; Serial No. 532,383, published Nov. 2, 1948. Class 28.

Trigon Corporation, The, assignee of Serene & Reeves, Santa Monica, Calif. Combination toys. 506,388, Feb. 8; Serial No. 491,130, published Oct. 5, 1948. Class 22.

Triner, Joseph, Corporation, Chicago, Ill. Pineapple juice as beverage or beverage ingredient. 343,701, Mar. 2, 1937. Republished Feb. 8. Class 45.

Tritico, Frank M., doing business as Tritico Mattress Factory, Lake Charles, La. Mattresses. 442,043, Feb. 8; Serial No. 515,917, published Oct. 12, 1948. Class 32.

Tritico Mattress Factory: *See*—
Tritico, Frank M.

Troy Sunshade Company, The, Troy, Ohio. Metal chairs, stools, benches, etc. 506,427–8, Feb. 8; Serial No. 526,670–1, published Oct. 26, 1948. Class 32.

Troy Sunshade Company, The, Troy, Ohio. Metal chairs, stools, benches, etc. 506,429, Feb. 8; Serial No. 526,684, published Oct. 26, 1948. Class 32.

Truhu Fabrics Corporation: *See*—
Truhu Silk Corporation.

Truhu Silk Corporation, by Truhu Fabrics Corporation, New York, N. Y. Silk, artificial silk, silk and artificial silk, etc., piece goods. 345,517, Apr. 27, 1937. Republished Feb. 8. Class 42.

Truhu Silk Corporation, by Truhu Fabrics Corporation, New York, N. Y. Women's and misses' hats, coats, dresses, etc. 345,934, May 11, 1937. Republished Feb. 8. Class 39.

Tweedy, James K., by Bally & Tweedy Association, Downey, Calif. Citrus fruits. 97,291, May 26, 1941. Republished Feb. 8. Class 46.

Twin Disc Clutch Company, Racine, Wis. Clutches. 240,524, renewed Mar. 27, 1948. O. G. Feb. 8. Class 23.

Ultra-Penn Refining Company, Bruin, Pa. Lubricating oil, lubricating grease, gasoline, etc. 292,319, Mar. 15, 1932. Republished Feb. 8. Class 15.

Union Allumettiere S. A.: *See*—
Union Allumettiere Societe Anonyme.

Union Allumettiere Societe Anonyme to Union Allumettiere S. A., Brussels, Belgium. Matches. 155,545, renewed May 30, 1942. O. G. Feb. 8. Class 9.

Union Bag & Paper Company, The, to Union Bag & Paper Corporation, New York, N. Y. Paper bags. 71,217, renewed Nov. 10, 1948. O. G. Feb. 8. Class 2.

Union Bag & Paper Corporation: *See*—
Union Bag & Paper Company, The.

United Carbon Company, by United Carbon Company, Inc. (Maryland), Charleston, W. Va. Carbon black. 249,072, Nov. 8, 1928. Republished Feb. 8. Class 16.

United Carbon Company, Inc.: *See*—
Standard Carbon Company.
United Carbon Company.

United Carbon Company, Inc. (Maryland): *See*—
Eastern Carbon Black Company.
United Oil & Natural Gas Products Corporation, The.

United-Carr Fastener Corporation, Cambridge, Mass. Various component parts of electrical and radio apparatus. 441,997, Feb. 8; Serial No. 497,900, published Oct. 26, 1948. Class 21.

United Oil & Natural Gas Products Corporation, The, Monroe, La., by United Carbon Company, Inc. (Maryland), Charleston, W. Va. Hydrocarbon black. 170,445, July 17, 1923. Republished Feb. 8. Class 16.

United Oil & Natural Gas Products Corporation, The, Monroe, La., by United Carbon Company, Inc. (Maryland), Charleston, W. Va. Hydrocarbon black. 192,125, Nov. 25, 1924. Republished Feb. 8. Class 6.

United Paper Company, Atlanta, Ga., by United Paper Company, Tampa, Fla. Fruit and vegetable wrappers. 155,106, May 16, 1922. Republished Feb. 8. Class 37.

United Paper Company, Atlanta, Ga., by United Paper Company, Tampa, Fla. Wrapping paper. 219,403, Oct. 19, 1926. Republished Feb. 8. Class 37.

United Paper Company, Tampa, Fla. Toilet paper, paper towels, paper facial tissue, etc. 380,488, Aug. 20, 1940. Republished Feb. 8. Class 37.

United Paper Company, Tampa, Fla. Waxed paper, waxed innerwrap and wrapping papers, etc. 418,783, Jan. 8, 1946. Republished Feb. 8. Class 37.

United Paper Company, Tampa, Fla. Waxed paper, waxed inner wrap and wrapping papers, waxed bread wraps, etc. 420,382, Apr. 9, 1946. Republished Feb. 8. Class 37.

United States Cabinet Bed Co., by Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 374,829, Jan. 23, 1940. Republished Feb. 8. Class 32.

United States Cabinet Bed Co., by Eclipse Sleep Products Inc., Brooklyn, N. Y. Mattresses. 376,664, Apr. 2, 1940. Republished Feb. 8. Class 32.

United States Envelope Company, Springfield, Mass. Mailing envelopes. 239,305, Feb. 28, 1928. Republished Feb. 8. Class 37.

U. S. Line Company: *See*—
United States Whip Company.

United States Rubber Company, New York, N. Y. Thermoplastic resins. 506,426, Feb. 8; Serial No. 526,644, published Nov. 2, 1948. Class 1.

United States Whip Company, doing business as U. S. Line Company, Westfield, Mass. Fishing lines. 227,073, Apr. 26, 1927. Republished Feb. 8. Class 22.

Van Chemical Company: *See*—
Van Allsburg, Ernest E.

Van Allsburg, Ernest E., doing business as Van Chemical Company, Detroit, Mich. Soap, cleaning compounds, compounds for removing stains. 442,068, Feb. 8; Serial No. 523,680, published Oct. 26, 1948. Class 4.

Van Ameringen-Haebler, Inc., New York, N. Y. Perfumes and essential oils. 506,506, Feb. 8; Serial No. 537,378, published Sept. 28, 1948. Class 6.

Vinton Coal & Coke Company, Vintondale, Pa. Coal and coke. 506,531, Feb. 8; Serial No. 541,749, published Oct. 26, 1948. Class 1.

Viscose Company, The, Marcus Hook, to American Viscose Corporation, Philadelphia, Pa. Rayon yarn. 249,970, renewed Nov. 27, 1949. O. G. Feb. 8. Class 43.

Vitaminerals, Inc., Los Angeles, Calif. Analgesic balm, anesthetic ointment, etc. 506,435, Feb. 8; Serial No. 527,630, published Sept. 14, 1948. Class 6.
Vodine Company: *See*—
Vodol Company.
Vodol Company, Chicago, Ill., now by change of name, Vodine Company, assignor to Benjamin Clayton, San Marino, Calif. Solidified iodine ointment. 442,032, Feb. 8; Serial No. 513,859, published Nov. 2, 1948. Class 6.
Voigt Milling Company, Grand Rapids, Mich. All kinds of flour. 83,375, Sept. 5, 1911. Republished Feb. 8. Class 46.
Waconia Sorghum Company, Cedar Rapids, Iowa. Sorghum sirup. 506,468, Feb. 8; Serial No. 532,530, published Oct. 19, 1948. Class 46.
Walgreen Co., by Home Drug Company, Chicago, Ill. Non-alcoholic, maltless beverages. 311,819, Mar. 20, 1934. Republished Feb. 8. Class 45.
Wall & Ochs, Incorporated, Philadelphia, Pa. Spectacles, eyeglass, eyeglass mountings, etc. 251,461, renewed Jan. 8, 1949. O. G. Feb. 8. Class 26.
Wall & Ochs, Incorporated, Philadelphia, Pa. Spectacles. 252,435, renewed Feb. 5, 1949. O. G. Feb. 8. Class 26.
Wallace & Tiernan Co., Inc., Newark, N. J. Laundry bleaching material: 237,527, Jan. 10, 1928. Republished Feb. 8. Class 6.
Wallace & Tiernan Products, Incorporated, Belleville, N. J. Pharmaceutical. 506,517, Feb. 8; Serial No. 540,844, published Sept. 21, 1948. Class 6.
Wallerstein Company, Inc., New York, N. Y. Enzyme preparation. 506,582, Feb. 8; Serial No. 557,878, published Oct. 12, 1948. Class 6.
Wanamaker, John, New York, New York, N. Y. Golf balls. 111,915, Aug. 8, 1916. Republished Feb. 8. Class 22.
Wanamaker, John, New York, New York, N. Y. Dress goods in the piece, flannels in the piece, white goods in the piece, etc. 112,146, Aug. 22, 1916. Republished Feb. 8. Classes 42 and 39.
Wanamaker, John, New York, New York, N. Y. Soap. 144,967, July 19, 1921. Republished Feb. 8. Class 4.
Wanamaker, John, New York, New York, N. Y. Candles. 165,803, Mar. 20, 1923. Republished Feb. 8. Class 46.
Wanamaker, John, New York, New York, N. Y. Men's leather gloves. 170,439, July 17, 1923. Republished Feb. 8. Class 39.
Wanamaker, John, New York, New York, N. Y. Sheets and pillow cases. 221,327, Nov. 30, 1926. Republished Feb. 8. Class 42.
Wanamaker, John, New York, New York, N. Y. Reproductions of antique furniture. 228,555, June 7, 1927. Republished Feb. 8. Class 32.
Wanamaker, John, New York, New York, N. Y. Modern and antique home furnishings. 228,756, June 7, 1927. Republished Feb. 8. Class 32.
Wanamaker, John, New York, New York, N. Y. Women's and men's gloves. 790,019, July 26, 1910. Republished Feb. 8. Class 39.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Baby coaches. 506,557, Feb. 8; Serial No. 545,202, published Oct. 19, 1948. Class 19.
Ward, M. L., Co.: *See*—
Ward, Martha L.
Ward, M. L., Company: *See*—
Ward, Martha L.
Ward, M. L., Mfg. Company: *See*—
Ward, Martha L.
Ward, M. L., Manufacturing Company: *See*—
Ward, Martha L.
Ward, Martha L., doing business as M. L. Ward Mfg. Company, also known as M. L. Ward Manufacturing Company, M. L. Ward Company and M. L. Ward Co., Philadelphia, Pa. Educational toy. 442,078, Feb. 8; Serial No. 525,512, published Sept. 28, 1948. Class 22.
Warner Drug Co., by The Warner Drug Co., Inc., Nashville, Tenn. Remedy for rheumatism and gout. 69,823, July 7, 1908. Republished Feb. 8. Class 6.
Warner Drug Co., Inc., The: *See*—
Warner Drug Co.
Warren Axe and Tool Company, Warren, Pa. Axes. 68,487, Apr. 14, 1908. Republished Feb. 8. Class 23.
Warren Axe and Tool Company, Warren, Pa. Axes. 70,454, Sept. 1, 1908. Republished Feb. 8. Class 23.
Warren, S. D., Company, Boston, Mass. Paper. 434,564, Nov. 25, 1947. Republished Feb. 8. Class 37.
Watson, Charles H., doing business as Watson Industries, Laguna Beach, Calif. Device comprising a base with guiding feathers used in playing an outdoor sport game. 442,018, Feb. 8; Serial No. 510,818, published Oct. 5, 1948. Class 22.
Watson Industries: *See*—
Watson, Charles H.
Webster Electric Company, Racine, Wis. Audio frequency amplifiers, audio frequency transformers, choke coils, etc. 506,505, Feb. 8; Serial No. 537,260, published Oct. 26, 1948. Class 21.
Webster, F. S., Company, Cambridge, Mass. Carbon paper. 506,576, Feb. 8; Serial No. 552,196, published Oct. 26, 1948. Class 11.
Weiner, Martin Corp., New York, N. Y. Rayon piece-goods. 435,280, Dec. 16, 1947. Republished Feb. 8. Class 42.
Wenatchee Packing Corporation, Wenatchee and Seattle, by National Fruit Canning Co., Seattle, Wash. Canned fruits. 236,233, Dec. 6, 1927. Republished Feb. 8. Class 46.
Werk, M., Company, The, St. Bernard, Ohio. Cleaning compound. 506,577–8, Feb. 8; Serial Nos. 552,297–8, published Oct. 19, 1948.
Wester Bros., to H. Wester, doing business as Wester Bros., New York, N. Y. Pocket-knives, scissors, and razors. 72,465, re-renewed Jan. 26, 1949. O. G. Feb. 8. Class 23.
Wester, Herbert: *See*—
Wester Bros.
Westerfield Pharmacal Co. Inc., Dayton, Ohio. Chemical test sets for detecting pregnancy. 506,589, Feb. 8; Serial No. 523,447. Class 44.
Western United Distributors, San Francisco, Calif. Brandy. 430,949, July 1, 1947. Republished Feb. 8. Class 49.
Westfield Watch Company, Inc.: *See*—
Bulova Watch Company, Inc.
Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.
Westinghouse Electric Corporation, East Pittsburgh, Pa. Magnetic motor controls. 506,440, Feb. 8; Serial No. 528,325, published Oct. 19, 1948. Class 21.
Westinghouse Electric & Manufacturing Company, to Westinghouse Electric Corporation, East Pittsburgh, Pa. Contact rectifiers. 249,615, renewed Nov. 20, 1948. O. G. Feb. 8. Class 21.
White Pine Sash Company, Spokane, Wash. Door and window frames and sash. 255,435, renewed Apr. 23, 1949. O. G. Feb. 8. Class 12.
Whitney-Eckstein Seed Co., to Whitney Seed Co., Inc., Buffalo, N. Y. Lawn-grass and field seeds. 250,234–5, renewed Dec. 4, 1948. O. G. Feb. 8. Class 1.
Whitney-Eckstein Seed Co., to Whitney Seed Co., Inc., Buffalo, N. Y. Lawn grass and field seeds. 251,965, renewed Jan. 22, 1949. O. G. Feb. 8. Class 1.
Whitney-Eckstein Seed Co., to Whitney Seed Co., Inc., Buffalo, N. Y. Lawn-grass and field seeds. 254,072, renewed Mar. 12, 1949. O. G. Feb. 8. Class 1.
Whitney Seed Co., Inc.: *See*—
Whitney-Eckstein Seed Co.
Wilser, Charles P., doing business as Wilser Mfg. Co., Kansas City, Mo. Intercommunicating systems of telephonic type. 506,603, Feb. 8; Serial No. 504,956. Class 21.
Wilser Mfg. Co.: *See*—
Wilser, Charles P.
Wilson-Jones Company, Chicago, Ill. Machine posting trays, racks, etc. 442,084, Feb. 8; Serial No. 514,237, published Oct. 26, 1948. Class 32.
Windsor-Lloyd Products, Inc., Wilmington, Del. Hydraulic shock absorber fluid and hydraulic brake fluid. 506,483, Feb. 8; Serial No. 534,702, published Sept. 28, 1948. Class 6.
Windsor-Lloyd Products, Inc., Wilmington, Del. Windshield wipers for automobiles and trucks. 506,484, Feb. 8; Serial No. 534,703, published Oct. 12, 1948. Class 19.
Winsor & Newton, Limited, Wealdstone, Harrow, Middlesex, England. Colors, paint pigments (cake and moist tube), and color liquids in bottles. 442,059, Feb. 8; Serial No. 520,847, published Oct. 19, 1948. Class 16.
Winstan, E. S., Co., New York, N. Y. Necklaces and religious ornaments. 442,055, Feb. 8; Serial No. 518,576, published Oct. 26, 1948. Class 28.
Wintersmith Chemical Company: *See*—
Peter, Arthur, & Co.
Wismar Mfg. Co., by Wismar Manufacturing Company, Inc., Los Angeles, Calif. Men's and boys' sport shirts, dress shirts, swim and play trunks, etc. 393,217, Jan. 27, 1942. Republished Feb. 8. Class 39.
Wismar Manufacturing Company, Inc.: *See*—
Wismar Mfg. Co.
Wister, Laurel: *See*—
Howard, Laurel H.
Wood, E. B.: *See*—
Wood Fruit Company, Inc.
Wood Fruit Company, Inc., to E. B. Wood, Atwater, Calif. Fresh deciduous fruits. 249,808–9, renewed Nov. 20, 1948. O. G. Feb. 8. Class 46.
Wooster Brush Company, The, Wooster, Ohio. Paintbrushes. 222,638–40, Jan. 4, 1927. Republished Feb. 8. Class 29.
Wooster Brush Company, The, Wooster, Ohio. Paintbrushes. 222,685, Jan. 4, 1927. Republished Feb. 8. Class 29.
Working, K. C., Chemical Co., Los Angeles, Calif., L. Boteler trustee in bankruptcy of said K. C. Working Chemical Co., assignor to Botany Mills, Inc., Passaic, N. J. Synthetic detergent. 442,013, Feb. 8; Serial No. 509,257, published Sept. 2, 1947. Class 4.
Wyeth Incorporated, Philadelphia, Pa. Pre-cooked cereal with papaya. 506,487, Feb. 8; Serial No. 535,209, published Oct. 19, 1948. Class 46.
Yuma Mesa Fruit Growers Association, Yuma, Ariz. Fresh citrus fruits. 254,517, renewed Mar. 26, 1949. O. G. Feb. 8. Class 46.
Zang, Perry N., assignor to Amorskin, Inc., Freeport, N. Y. Extract obtained from certain animal tissue combined with extracts of skin tissue obtained from certain species of reptiles. 442,004, Feb. 8; Serial No. 502,676, published Nov. 2, 1948. Class 6.
Zendman, I., Inc., New York, N. Y. Laces in the piece. 396,147, June 30, 1942. Republished Feb. 8. Class 42.
Zilen, Charles M.: *See*—
Hillside Citrus Co., Inc.

Zilen, Charles M., doing business as Zilen Citrus Company, Riverside, Calif. Fresh citrus fruits. 418,991, Jan. 15, 1946. Republished Feb. 8. Class 46.
Zilen, Charles M., doing business as Zilen Citrus Company, Riverside, Calif. Fresh citrus fruits. 419,650, Feb. 26, 1946. Republished Feb. 8. Class 46.
Zilen Citrus Company: *See*—
Hillside Citrus Co., Inc.
Zilen, Charles M.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbon black. Eastern Carbon Black Company. 215,460, July 20, 1926. Republished Feb. 8.
Carbon-blacks. Peerless Carbon Black Company, Limited. 31,818, re-renewed July 19, 1948. O. G. Feb. 8.
Clay. Prepared. The Denver Fire Clay Company. 239,739, Mar. 13, 1928. Republished Feb. 8.
Coal. Clover Splint Coal Company. 251,028, renewed Dec. 25, 1948. O. G. Feb. 8.
Coal. Traux-Traer Coal Company. 378,134, May 28, 1940. Republished Feb. 8.
Coal. Traux-Traer Coal Company. 380,644, Aug. 27, 1940. Republished Feb. 8.
Coal and coke. Vinton Coal & Coke Company. 506,531, Feb. 8; Serial No. 541,749, published Oct. 26, 1948.
Earth, Diatomaceous. Chick Bed Company. 506,475, Feb. 8; Serial No. 533,442, published Nov. 2, 1948.
Flax fiber. F. E. Smith. 442,036, Feb. 8; Serial No. 515,200, published Oct. 26, 1948.
Leather, Shoe-upper, glove leather, and coat leather. The Sawyer Tanning Company. 254,150, renewed Mar. 12, 1949. O. G. Feb. 8.
Molding compound. Lubricant Laboratories Inc. 258,749, July 16, 1929. Republished Feb. 8.
Resins, Thermoplastic. United States Rubber Company. 506,426, Feb. 8; Serial No. 526,644, published Nov. 2, 1948.
Seed, Alfalfa. Northrup, King & Co. 506,439, Feb. 8; Serial No. 528,307, published Nov. 2, 1948.
Seed corn. De Kalb Agricultural Association. 337,915, Aug. 25, 1936. Republished Feb. 8.
Seed corn, Hybrid. Pioneer Hi-Bred Corn Company. 434,971, Dec. 9, 1947. Republished Feb. 8.
Seed grains. Terminal Grain Company. 506,434, Feb. 8; Serial No. 527,622, published Oct. 26, 1948.
Seed, Lawn. Kaufmann Department Stores, Inc. 236,179, Dec. 6, 1927. Republished Feb. 8.
Seed, Lawn-grass. J. H. Ostberg. 252,131, renewed Jan. 22, 1949. O. G. Feb. 8.
Seed, Mixed lawn. Ferry-Morse Seed Co. 434,952, Dec. 9, 1947. Republished Feb. 8.
Seeds. The Stanford Seed Company, Inc. 506,510, Feb. 8; Serial No. 538,568, published Oct. 26, 1948.
Seeds, Grass. Northrup, King & Co. 506,415, Feb. 8; Serial No. 522,499, published Oct. 26, 1948.
Seeds, Lawn-grass and field. Whitney-Eckstein Seed Co. 250,234–5, renewed Dec. 4, 1948. O. G. Feb. 8.
Seeds, Lawn grass and field. Whitney-Eckstein Seed Co. 251,965, renewed Jan. 22, 1949. O. G. Feb. 8.
Seeds, Lawn-grass and field. Whitney-Eckstein Seed Co. 254,072, renewed Mar. 12, 1949. O. G. Feb. 8.
Sponges. S. M. Arnold, Inc. 506,547, Feb. 8; Serial No. 543,406, published Oct. 26, 1948.
Styrene, Polymerized. The Dow Chemical Company. 362,877, Dec. 6, 1938. Republished Feb. 8.
Vinyl polymers. E. I. du Pont de Nemours and Company. 506,548, Feb. 8; Serial No. 543,576, published Oct. 26, 1948.
Wool tops. Harris Research Laboratories. 506,523, Feb. 8; Serial No. 540,996, published Sept. 21, 1948.

CLASS 2

Cabinets, Dispensing. Northern Paper Mills. 363,891, Jan. 10, 1939. Republished Feb. 8.
Bags, Paper. Osborn Paper Company. 206,408, Dec. 1, 1925. Republished Feb. 8.
Bags, Paper. The Union Bag & Paper Company. 71,217, re-renewed Nov. 10, 1948. O. G. Feb. 8.
Containers for the storage of liquids and gas. A. O. Smith Corporation. 506,436, Feb. 8; Serial No. 527,760, published Nov. 2, 1948.
Drums and tanks, Steel. Rheem Manufacturing Company. 264,137, Nov. 19, 1929. Republished Feb. 8.
Tanks and combination metal and concrete tanks, Metal. Hammond Iron Works. 442,042, Feb. 8; Serial No. 515,833, published Nov. 2, 1948.
Tanks, Storage. The Heil Co. 506,507, Feb. 8; Serial No. 537,690, published Nov. 2, 1948.
Trays. Stevens & Thompson Paper Co. 200,293, June 30, 1925. Republished Feb. 8.
Trays, Paper. Stevens & Thompson Paper Co. 363,178, Dec. 13, 1938. Republished Feb. 8.

CLASS 3

Billfolds, pocket books, purses, and wallets. Nash Inc. 436,060, Jan. 20, 1948. Republished Feb. 8.

CLASS 4

Cleaner and preparation for cleaning painted, varnished, and enameled surfaces, etc., Paint. The Patent Cereals Co. 254,267, renewed Mar. 19, 1949. O. G. Feb. 8.
Cleaner, Soapless. Henry B. Heller Corp. 432,645, Sept. 9, 1947. Republished Feb. 8.
Cleaner, Sudsing cleanser, and detergent. The Hewitt Soap Company, Inc. 506,561, Feb. 8; Serial No. 545,741, published Oct. 26, 1948.
Cleaning compound. The M. Werk Company. 506,577–8, Feb. 8; Serial Nos. 552,297–8, published Oct. 19, 1948.
Cleanser. J. W. Bullen. 296,324, Aug. 2, 1932. Republished Feb. 8.
Detergent, Inorganic. Diamond Alkali Company. 506,585, Feb. 8; Serial No. 561,893, published Nov. 2, 1948.
Detergent, Liquid. Haas-Miller Corporation. 422,759, Aug. 13, 1946. Republished Feb. 8.
Detergent, Synthetic. K. C. Working Chemical Co. 442,013, Feb. 8; Serial No. 509,257, published Sept. 2, 1947.
Detergent, Wool. Botany Worsted Mills. 442,021, Feb. 8; Serial No. 511,262, published Sept. 2, 1947.
Detergents. Detergents, Inc. 506,398, Feb. 8; Serial No. 511,799, published Oct. 19, 1948.
Detergents. General Dyestuff Corporation. 506,402, Feb. 8; Serial No. 514,028, published Nov. 2, 1948.
Dressing, Waterproof auto top. R. W. Bowler. 248,515, renewed Oct. 23, 1948. O. G. Feb. 8.
Liquid compounds, soaps, and powders. J. W. Bullen. 414,636, June 19, 1945. Republished Feb. 8.
Paste, Saponaceous. Lambert Pharmacal Company. 239,895, Mar. 13, 1928. Republished Feb. 8.
Sanding kits. Rockwell Manufacturing Company. 506,595, Feb. 8; Serial No. 534,352.
Shaving cream. The Norwich Pharmacal Company. 252,066, renewed Jan. 22, 1949. O. G. Feb. 8.
Soap. Haskins Brothers & Company. 254,780, renewed Apr. 2, 1949. O. G. Feb. 8.
Soap. Murphy Laboratories, Inc. 506,574, Feb. 8; Serial No. 549,827, published Oct. 26, 1948.
Soap. The Palmolive-Peet Company. 256,069, renewed May 7, 1949. O. G. Feb. 8.
Soap. J. Wanamaker. 144,967, July 19, 1921. Republished Feb. 8.
Soap, cleaning compounds, compounds for removing stains. E. E. Van Allsburg. 442,068, Feb. 8; Serial No. 523,630, published Oct. 26, 1948.
Soap, Imported French castile. James P. Smith & Company. 206,138, Nov. 24, 1925. Republished Feb. 8.
Soap, Toilet. Lentheric, Incorporated. 253,209, renewed Feb. 19, 1949. O. G. Feb. 8.
Soaps, Toilet. Les Parfums de Dana, Inc. 506,564, Feb. 8; Serial No. 560,906, published Oct. 26, 1948.
Steelwool and steel shavings. Ronuk, Limited. 506,583, Feb. 8; Serial No. 559,182, published Oct. 19, 1948.

CLASS 6

Accelerators for rubber vulcanization. The Grasselli Chemical Company. 237,349, Jan. 10, 1928. Republished Feb. 8.
Agent, Softening and hygroscopic. Haas-Miller Corporation. 418,938, Jan. 15, 1946. Republished Feb. 8.
Analgesic balm, anethetic ointment, etc. Vitaminerals, Inc. 506,435, Feb. 8; Serial No. 527,630, published Sept. 14, 1948.
Anesthetizing, nerve blocking tablets, etc., Local. A. E. Smith. 506,430, Feb. 8; Serial No. 527,216, published Sept. 21, 1948.
Aqueous solution, Sterile. E. R. Squibb & Sons. 252,240, renewed Jan. 29, 1949. O. G. Feb. 8.
Biological immunogenic preparation. Sharpe & Dohme, Incorporated. 506,555, Feb. 8; Serial No. 544,122, published July 27, 1948.
Bleaching material, Laundry. Wallace & Tiernan Co., Inc. 237,527, Jan. 10, 1928. Republished Feb. 8.
Brake fluid. Porte Manufacturing Co. Inc. 442,071, Feb. 8; Serial No. 524,151, published Sept. 28, 1948.
Chemical agent, Hygroscopic. Haas-Miller Corporation. 351,158, Oct. 19, 1937. Republished Feb. 8.

Chemical compounds and compositions, Liquid and solid. Purecaine, Inc. 441,993, Feb. 8; Serial No. 492,788, published Nov. 2, 1948.
Chemical fire extinguishing composition. Michigan Chemical Corporation. 442,039, Feb. 8; Serial No. 515,506, published Oct. 4, 1948.
Chemical preparation. Carbide and Carbon Chemicals Corporation. 442,019, Feb. 8; Serial No. 510,935, published Oct. 19, 1948.
Chemical preparation. A. Ogint. 442,063, Feb. 8; Serial No. 521,677, published Oct. 5, 1948.
Chemicals. Celanese Corporation of America. 506,533, Feb. 8; Serial No. 541,810, published Sept. 21, 1948.
Chemicals for control of chlorination. Scholler Brothers, Inc. 506,421, Feb. 8; Serial No. 524,487, published Sept. 14, 1948.
Chemicals, Textile treatment. J. G. Nathanson. 506,442, Feb. 8; Serial No. 528,501, published Nov. 9, 1948.
Cologne. The Armand Company. 442,026, Feb. 8; Serial No. 512,227, published Nov. 2, 1948.
Cologne. Kay Daumit, Inc. 442,008, Feb. 8; Serial No. 506,739, published Oct. 26, 1948.
Cologne. R. Hudnut. 506,465–6, Feb. 8; Serial Nos. 532,225–6, published Sept. 14, 1948.
Cologne. The Andrew Jergens Company. 506,481, Feb. 8; Serial No. 534,535, published Oct. 26, 1948.
Compound used for fulling and scouring woolen and worsted goods, and general textile scouring. Haas-Miller Corporation. 378,574, June 11, 1940. Republished Feb. 8.
Compound used for softening, filling and weighting of cotton fabrics in the finishing operation. Haas-Miller Corporation. 388,119, June 10, 1941. Republished Feb. 8.
Cosmetic sets. Avon Products, Inc. 442,014, Feb. 8; Serial No. 509,557, published Oct. 5, 1948.
Cough balsam. The Pinex Company. 394,959, May 5, 1942. Republished Feb. 8.
Cough syrup. H. Coutinho. 506,570, Feb. 8; Serial No. 548,805, published Sept. 14, 1948.
Cough syrup, chest rub, laxative, etc. The Pinex Company. 423,766, Sept. 10, 1946. Republished Feb. 8.
Cream, Face. The Andrew Jergens Company. 506,452, Feb. 8; Serial No. 530,613, published Sept. 28, 1948.
Cream-like substance, Medicated. Colorado Chemical Company. 506,471, Feb. 8; Serial No. 532,911, published Sept. 28, 1948.
Creams and cosmetic preparations, skin powders, lotions, etc. George A. Schmidt Company. 68,119, Mar. 10, 1908. Republished Feb. 8.
Creams, Face, astringents, skin fresheners, etc. L. S. Tibbetts. 442,060, Feb. 8; Serial No. 521,159, published Nov. 2, 1948.
Creams, liquids, pastes, powders, and solid substances, etc. The May Department Stores Company. 233,550, Oct. 4, 1927. Republished Feb. 8.
Disinfectant. J. W. Bullen. 128,948, Jan. 20, 1920. Republished Feb. 8.
Disinfectant and insecticide. J. W. Bullen. 300,192, Jan. 10, 1933. Republished Feb. 8.
Disinfectant, bactericide and deodorizer in solid form, etc. The Diversey Corporation. 506,417, Feb. 8; Serial No. 522,739, published Oct. 26, 1948.
Dispersed synthetic rubber. Haas-Miller Corporation. 424,742, Oct. 22, 1940. Republished Feb. 8.
Drugs, Household. Royal Souders, Inc. 506,391, Feb. 8; Serial No. 504,516, published Nov. 2, 1948.
Dyes and dyestuffs. General Dyestuff Corporation. 506,438, Feb. 8; Serial No. 528,268, published Nov. 2, 1948.
Emollient for use as a teat conditioner and as a soothing and cooling dressing for chapped teats, cuts and skin abrasions. Newell & Errecart. 442,051, Feb. 8; Serial No. 517,195, published Sept. 9, 1947.
Emulsifying, dispersing, solubilizing, and wetting agents. Atlas Powder Company. 506,552, Feb. 8; Serial No. 543,872, published Sept. 21, 1948.
Enzyme preparation. Wallerstein Company, Inc. 506,582, Feb. 8; Serial No. 557,878, published Oct. 12, 1948.
Explosive powder. The Hazard Powder Company. 67,233, Jan. 28, 1908. Republished Feb. 8.
Extract obtained from certain animal tissue combined with extracts of skin tissue obtained from certain species of reptiles. P. N. Zang. 442,004, Feb. 8; Serial No. 502,676, published Nov. 2, 1948.
Face cream. L. H. Howard. 254,711, renewed Mar. 26, 1949. O. G. Feb. 8.
Face creams, skin lotions, face powder, etc. L. H. Howard. 254,712, renewed Mar. 26, 1949. O. G. Feb. 8.
Face powder, lipstick, rouge, etc. Almay, Inc. 442,037, Feb. 8; Serial No. 515,355, published Sept. 21, 1948.
Face powder; preparations for treating the skin; toilet, cleansing, vanishing, and cold creams, etc. Daggett & Ramsdell. 506,568, Feb. 8; Serial No. 548,719, published Oct. 26, 1948.
Foot remedy, Athletic. E. T. Kelley. 442,044, Feb. 8; Serial No. 516,419, published Mar. 9, 1948.
Fuel, Lighter. Colibri Lighters Limited. 442,064, Feb. 8; Serial No. 521,722, published Sept. 28, 1948.
Hair and scalp cream preparations. M. L. Allen. 442,066, Feb. 8; Serial No. 522,298, published Nov. 2, 1948.
Hair tonic, face cream, talcum powder, etc. E. V. W. Blake. 506,562, Feb. 8; Serial No. 545,812, published Sept. 28, 1948.
Hydrocarbon black. The United Oil & Natural Gas Products Corporation. 192,125, Nov. 25, 1934. Republished Feb. 8.
Hydrolysed polysaccharide. Schenley Laboratories, Inc. 506,396, Feb. 8; Serial No. 509,250, published Nov. 2, 1948.
Insecticide. Mayfair Industries, Inc. 506,565, Feb. 8; Serial No. 547,861, published Oct. 26, 1948.
Insecticide and disinfectant. J. W. Bullen. 304,514, July 11, 1933. Republished Feb. 8.
Insecticides. Bostwick Laboratories, Inc. 506,569, Feb. 8; Serial No. 543,786, published Oct. 26, 1948.
Insecticides. Pacific Guano Company. 506,535, Feb. 8; Serial No. 541,957, published Oct. 26, 1948.
Insecticides and fungicides. The Sherwin-Williams Company. 506,558, Feb. 8; Serial No. 545,293, published Sept. 21, 1948.
Insecticides, chemicals, and chemical compositions. Michigan Chemical Corporation. 506,521, Feb. 8; Serial No. 540,850, published Nov. 2, 1948.
Insecticides, fungicides, herbicides, etc. The Sherwin-Williams Company. 442,073, Feb. 8; Serial No. 524,730, published Nov. 2, 1948.
Insecticides, rodenticides and fungicides. Paramount Pest Control Service. 442,041, Feb. 8; Serial No. 515,631, published Nov. 2, 1948.
Laxatives. G. L. Nicholas. 442,070, Feb. 8; Serial No. 523,979, published Nov. 2, 1948.
Liquid composition of matter employed as a treating and tanning agent. Robeson Process Company. 506,529, Feb. 8; Serial No. 541,462, published Oct. 26, 1948.
Liquid compounds. J. W. Bullen. 414,197, May 29, 1945. Republished Feb. 8.
Liquid-insecticide-spraying compositions. McCormick & Co., Incorporated. 237,373, Jan. 10, 1928. Republished Feb. 8.
Liquid preparation for relief of pain, etc. Mallon Chemical Corp. 433,260, Sept. 30, 1947. Republished Feb. 8.
Lithographic supply products. McKinley Litho Supply Company Inc. 442,024, Feb. 8; Serial No. 512,011, published Oct. 26, 1948.
Lotion, Hair, hair tonic, shampoo, etc. F. Ame. 506,541, Feb. 8; Serial No. 543,049, published Sept. 28, 1948.
Lotions or creams, Hand. J. E. Respondek. 506,490, Feb. 8; Serial No. 535,350, published Oct. 26, 1948.
Make-up preparation for the face, Liquid. Robbins, Anatole, Inc. 506,420, Feb. 8; Serial No. 524,284, published Nov. 2, 1948.
Make-up preparation for the face, perfume, cologne, etc. Robbins, Anatole, Inc. 506,419, Feb. 8; Serial No. 524,283, published Oct. 26, 1948.
Medical preparation. J. T. Adair. 246,297, renewed Sept. 4, 1948. O. G. Feb. 8.
Medicated preparation for treatment of the hair and scalp and the removal of dandruff. Lambert Pharmacal Company. 244,676, July 24, 1928. Republished Feb. 8.
Medicinal, antiseptic, and deodorant compound, tooth powder, tooth paste, etc. Lambert Pharmacal Company. 240,162, Mar. 20, 1928. Republished Feb. 8.
Medicinal compound for the treatment of colds, grippe, pleurisy, etc. C. C. Marshall. 324,597, May 21, 1935. Republished Feb. 8.
Medicinal preparation. Amphac Laboratories, Inc. 506,571, Feb. 8; Serial No. 549,106, published Nov. 2, 1948.
Medicinal preparations. Od Peacock Sultan Company. 506,489, Feb. 8; Serial No. 535,343, published Sept. 28, 1948.
Medicinal preparation containing mineral oil. J. B. Roerig and Company. 506,456, Feb. 8; Serial No. 531,154, published Sept. 21, 1948.
Medicinal preparation for the prevention of sea-sickness. Seajoy Company Limited. 506,443, Feb. 8; Serial No. 528,517, published Oct. 26, 1948.
Minerals for cattle, sheep, horses, etc. Moorman Manufacturing Company. 506,394, Feb. 8; Serial No. 508,542, published Oct. 26, 1948.
Mouth wash, and a lotion for the skin. F. N. Averill, Jr. 506,567, Feb. 8; Serial No. 548,561, published Oct. 26, 1948.
Nose drops, antipyretic tablets, vapor inhalant, etc. Medicine For Children, Incorporated. 506,486, Feb. 8; Serial No. 535,061, published Sept. 14, 1948.
Oil, Pine. Newport Industries, Inc. 506,554, Feb. 8; Serial No. 543,978, published Sept. 28, 1948.
Ointment, Solidified iodine. Vodol Company. 442,032, Feb. 8; Serial No. 513,859, published Nov. 2, 1948.
Perfume. L. H. Brownback. 442,052, Feb. 8; Serial No. 517,235, published Oct. 5, 1948.
Perfume, cologne, deodorant, etc. Consolidated Cosmetics. 506,538, Feb. 8; Serial No. 542,536, published Nov. 2, 1948.
Perfume, toilet water, face powder, etc. Societe Anonyme Les Dentifrices Du Docteur Pierre. 252,417, renewed Feb. 5, 1949. O. G. Feb. 8.
Perfumes. Lucien Lelong, Inc. 434,879, Nov. 18, 1947. Republished Feb. 8.
Perfumes and essential oils. Van Ameringen-Haebler, Inc. 506,506, Feb. 8; Serial No. 537,378, published Sept. 28, 1948.
Perfumes and hair dye. Hijos De N. Lopez Caro. 442,053, Feb. 8; Serial No. 517,351, published Oct. 26, 1948.

Perfumes, colognes, toilet waters, etc. Lucien Lelong, Inc. 506,450, Feb. 8; Serial No. 530,209, published Oct. 26, 1948.
Perfumes, toilet water, face powder, etc. Lentheric, Incorporated. 252,215, renewed Jan. 29, 1949. O. G. Feb. 8.
Perfumes, toilet waters, rouge, etc. Lanselle Parfumeur S. A. E. L. 506,395, Feb. 8; Serial No. 509,222, published Nov. 2, 1948.
Pharmaceutical. Wallace & Tiernan Products, Incorporated. 506,517, Feb. 8; Serial No. 540,344, published Sept. 21, 1948.
Pharmaceutical preparation. Mead Johnson & Company. 506,404, Feb. 8; Serial No. 516,615, published Sept. 28, 1948.
Pharmaceutical preparation. Wm. P. Poythress & Company, Inc. 399,438, Jan. 5, 1943. Republished Feb. 8.
Pharmaceutical preparations. Hygienic Productions Inc. 506,566, Feb. 8; Serial No. 548,259, published Nov. 2, 1948.
Photographic developer. Mallinckrodt Chemical Works. 506,416, Feb. 8; Serial No. 522,522, published July 6, 1948.
Pills, tonics, ointments, etc. Arthur Peter & Co. 32,800, re-renewed May 2, 1949. O. G. Feb. 8.
Poisoned raisin and barley mixture. B. G. O'Neill. 397,577, Sept. 8, 1942. Republished Feb. 8.
Powder cakes, Toilet, rouge, lipsticks, etc. The Napier Company. 506,522, Feb. 8; Serial No. 540,852, published Oct. 26, 1948.
Preparation containing vitamin B1, tricalcium phosphate, calcium glycerophosphate, etc. Rhodes Pharmacal Co., Inc. 506,390, Feb. 8; Serial No. 500,826, published Oct. 25, 1948.
Preparation for removing scale, corrosion, and grease from boilers. The Liverpool Borax Co., Ltd. 68,586, Apr. 21, 1908. Republished Feb. 8.
Preparations for the hair and scalp. G. D. Coleman. 506,573, Feb. 8; Serial No. 549,421, published Sept. 14, 1948.
Preparation for the prevention and treatment of screw-worm infestation in livestock. Florida Chemical Industries, Inc. 412,115, Feb. 20, 1945. Republished Feb. 8.
Preparation for the treatment of bovine keratitis. R. E. Parrish. 416,764, Sept. 25, 1945.
Preparation for use in the elimination of worms in animals and poultry. Florida Chemical Industries, Inc. 409,843, Oct. 24, 1944. Republished Feb. 8.
Preparation to be taken for relieving discomfort of gastric flatulence. Ketone Laboratories, Inc. 506,553, Feb. 8; Serial No. 543,938, published Oct. 5, 1948.
Preparation used in the treatment of neuralgia and as a febrifuge. G. L. Guillevic. 248,272, renewed Oct. 16, 1948. O. G. Feb. 8.
Product for deodorising and perfuming interior spaces. Adco, Inc. 506,397, Feb. 8; Serial No. 510,635, published Oct. 26, 1948.
Reagents and volumetric solutions. Central Scientific Company. 442,067, Feb. 8; Serial No. 523,077, published Nov. 2, 1948.
Remedy for neuralgia, sick and bilious headache. A. R. Perry. 129,047, Jan. 20, 1920. Republished Feb. 8.
Remedy for rheumatism and gout. Warner Drug Co. 69,823, July 7, 1908. Republished Feb. 8.
Remover, Nail polish. Studio Cosmetic Company. 442,002, Feb. 8; Serial No. 502,470, published Jan. 21, 1947.
Resin suspensions or dispersions. Rohm & Haas Company. 435,557, Dec. 30, 1947. Republished Feb. 8.
Scale remover, Liquid chemical boiler, liquid brine solvent and metal cleaning paste. G. B. Reese. 441,991, Feb. 8; Serial No. 482,892, published Nov. 2, 1948.
Shampoo, Dandruff massage. D. A. Arnold. 419,676, Feb. 26, 1946. New certificate. O. G. Feb. 8.
Shampoo in cream form. The Hennafoam Co. 506,498, Feb. 8; Serial No. 535,959, published Oct. 26, 1948.
Shampoo, Insecticidal. H. Shapiro. 431,849, Aug. 12, 1947. Republished Feb. 8.
Shock absorber fluid and hydraulic brake fluid, Hydraulic. Windsor-Lloyd Products, Inc. 506,483, Feb. 8; Serial No. 534,702, published Sept. 28, 1948.
Sodium mannuronate. Haas-Miller Corporation. 387,779, May 27, 1941. Republished Feb. 8.
Solution of anesthetics in vegetable oil. C. F. Kirk Company. 442,020, Feb. 8; Serial No. 511,164, published Sept. 21, 1948.
Starch, Laundry. National Starch Co. 71,599, re-renewed Dec. 1, 1948. O. G. Feb. 8.
Suppositories, Penicillin vaginal. Schenley Laboratories, Inc. 506,564, Feb. 8; Serial No. 547,663, published Oct. 26, 1948.
Suppositories, Vaginal. S. M. Laboratories Company. 376,215, Mar. 12, 1940. Republished Feb. 8.
Tablet containing digitoxin. The National Drug Company. 435,664, Jan. 6, 1948. Republished Feb. 8.
Tablet for the treatment of vitamin deficiencies. Table Rock Laboratories, Inc. 506,432, Feb. 8; Serial No. 527,430, published Sept. 14, 1948.
Tablets. Table Rock Laboratories, Inc. 506,431, Feb. 8; Serial No. 527,317, published Sept. 28, 1948.
Tablets, Headache. Elars Products, Inc. 442,000, Feb. 8; Serial No. 501,247, published Jan. 14, 1947.
Talcum powder, face powder and medicated powder. Bo-Kay Perfume Co., Inc. 506,556, Feb. 8; Serial No. 544,969, published Sept. 28, 1948.
Teething-powder. M. Gardner. 68,118, Mar. 10, 1908. Republished Feb. 8.
Toilet preparations. Curley Company, Incorporated. 506,572, Feb. 8; Serial No. 549,131, published Oct. 26, 1948.
Unguent or salve. The Frederick Laboratory. 66,365, renewed Nov. 26, 1947. O. G. Feb. 8.
Vitamin food supplement for livestock. Thompson-Hayward Chemical Company. 506,549, Feb. 8; Serial No. 543,669, published Sept. 21, 1948.
Weighting chemicals, Textile. Haas-Miller Corporation. 357,132, May 24, 1938. Republished Feb. 8.

CLASS 9

Ammunition. The Kilgore Manufacturing Company. 196,278, Mar. 17, 1925. Republished Feb. 8.
Caps, Paper. The Kilgore Manufacturing Company. 285,869, Aug. 11, 1931. Republished Feb. 8.
Matches. Union Allumettiere Societe Anonyme. 155,545, renewed May 30, 1942. O. G. Feb. 8.

CLASS 10

Fertilizers. Naamloose Vennootschap Amsterdamsche Superfosfaatfabriek. 292,830, Mar. 29, 1932. Republished Feb. 8.
Fertilizers. Naamloose Vennootschap Amsterdamsche Superfosfaatfabriek. 297,281, Sept. 6, 1932. Republished Feb. 8.
Manure. Naamloose Vennootschap Vereenigde Chemische Fabrieken. 298,720, Nov. 1, 1932. Republished Feb. 8.

CLASS 11

Carbon-blacks. [illegible]less Carbon Black Company, Limited. 31,818, re-rene[illegible] July 19, 1948. O. G. Feb. 8.
Carbon paper. F[illegible] Webster Company. 506,576, Feb. 8; Serial No. 552,196, published Oct. 26, 1948.
Inking ribbons. Burroughs Adding Machine Company. 506,433, Feb. 8; Serial No. 527,469, published Oct. 26, 1948.

CLASS 12

Asphalt, Refined. The Paraffine Paint Company. 81,479, Apr. 11, 1911. Republished Feb. 8.
Brick, Fire, and fire-clay tile. The Denver Fire Clay Company. 240,711–12, Apr. 3, 1928. Republished Feb. 8.
Brick, Fire, and fire clay tile and high-temperature cement or mortar. The Denver Fire Clay Company. 240,656, Apr. 3, 1928. Republished Feb. 8.
Bricks. The Mutton Hollow Fire Brick Company. 243,766, renewed June 26, 1948. O. G. Feb. 8.
Cement, High temperature. Plibrico Jointless Firebrick Company. 269,699, Apr. 15, 1930. Republished Feb. 8.
Cement or mortar, Refractory. The Denver Fire Clay Company. 239,740, Mar. 13, 1928. Republished Feb. 8.
Cement, Plastic. The Paraffine Companies, Inc. 248,211, Oct. 16, 1928. Republished Feb. 8.
Cement, Refractory. Plibrico Jointless Firebrick Company. 344,616, Mar. 30, 1937. Republished Feb. 8.
Composition for coating roofs. The Paraffine Companies, Inc. 178,196, Jan. 8, 1924. Republished Feb. 8.
Construction material. Schumacher Wall Board Corporation. 248,241, Oct. 16, 1928. Republished Feb. 8.
Construction materials and structural elements, Carbon and graphite. National Carbon Company, Inc. 442,077, Feb. 8; Serial No. 525,370, published Aug. 24, 1948.
Frames and sash, Door and window. White Pine Sash Company. 255,435, renewed Apr. 23, 1949. O. G. Feb. 8.
Mortar, Chrome neutral high temperature bonding. The Denver Fire Clay Company. 356,821, May 10, 1938. Republished Feb. 8.
Plaster board. Schumacher Wall Board Corporation. 236,475, Dec. 13, 1927. Republished Feb. 8.
Putty, caulking compound, crack fillers, etc. The Sherwin-Williams Company. 442,074, Feb. 8; Serial No. 524,732, published Sept. 28, 1948.
Rail cables, posts, offsets, etc., Guard. Lewis Bolt & Nut Company. 372,811, Nov. 14, 1939. Republished Feb. 8.
Roofing and siding products, Saturated felt base. The Celotex Corporation. 406,114, Mar. 14, 1944. Republished Feb. 8.
Siding. The Celotex Corporation. 419,962, Mar. 19, 1946. Republished Feb. 8.
Slates, tile, plates, etc. Societe Francaise De L'Everite. 224,568–70, Mar. 1, 1927. Republished Feb. 8.
Structural material, Cellular. Pittsburgh-Corning Corporation. 398,771, Nov. 24, 1942. Republished Feb. 8.
Waterproof material. The Paraffine Paint Co. 69,554, June 23, 1908. Republished Feb. 8.

CLASS 13

Attaching members for vehicle non-skid tread members. Staples & Seefeld. 138,128, Dec. 14, 1920. Republished Feb. 8.
Coffeepots. The Enterprise Aluminum Company. 251,161, renewed Jan. 1, 1949. O. G. Feb. 8.
Copper manufactures. Baltimore Copper Smelting and Rolling Company. 32,595, re-renewed Mar. 14, 1949. O. G. Feb. 8.
Fasteners, Miter joint. Clamp Nail Company. 338,443, Sept. 8, 1936. Republished Feb. 8.
Sprinkler apparatus, Automatic fire. Globe Automatic Sprinkle Company. 422,209, July 9, 1946. Republished Feb. 8.

CLASS 14

Alloys. P. R. Mallory Co., Incorporated. 327,547, Aug. 27, 1935. Republished Feb. 8.
Chromium-coated sheets and chromium-coated rolls of sheet metal. American Nickeloid Company. 248,980, renewed Nov. 6, 1948. O. G. Feb. 8.
Copper manufactures. Baltmore Copper Smelting and Rolling Company. 32,595, re-renewed Mar. 14, 1949. O. G. Feb. 8.
Electrode material. P. R. Mallory & Co. Incorporated. 281,177, Mar. 10, 1931. Republished Feb. 8.
Track joints, Railway. The Rail Joint Company. 347,282, June 22, 1937. Republished Feb. 8.

CLASS 15

Oil, lubricating grease, gasoline, etc., Lubricating. Ultra-Penn Refining Company. 292,319, Mar. 15, 1932. Republished Feb. 8.
Oil sludge emulsifier. Lansir Chemical Corporation. 417,457, Oct. 30, 1945. Republished Feb. 8.
Oils and greases, Lubricating. Hudson Motor Car Company. 311,852, Apr. 10, 1934. Republished Feb. 8.
Oils, Motor fuel. Evangeline Refining Company. 397,329, Sept. 1, 1942. New certificate. O. G. Feb. 8.

CLASS 16

Carbon black. Standard Carbon Company. 178,187, Jan. 8, 1924. Republished Feb. 8.
Carbon black. United Carbon Company. 249,072, Nov. 6, 1928. Republished Feb. 8.
Carbon-blacks. Peerless Carbon Black Company, Limited. 31,816, re-renewed July 19, 1948. O. G. Feb. 8.
Coating or paint, Wall. J. W. Bullen. 324,496, May 24, 1935. Republished Feb. 8.
Coatings, Plastic protective. Michigan Chrome & Chemical Company. 442,040, Feb. 8; Serial No. 515,577, published Oct. 19, 1948.
Colors, paint pigments (cake and moist tube), and color liquids in bottles. Winsor & Newton, Limited. 442,059, Feb. 8; Serial No. 520,847, published Oct. 19, 1948.
Enamel, Floor, and porch paint. The A. Burdsal Company. 506,425, Feb. 8; Serial No. 526,602, published Oct. 19, 1948.
Finishes, Flat wall, enamels, and varnishes. Keystone Varnish Company. 72,686, re-renewed Feb. 9, 1949. O. G. Feb. 8.
Hydrocarbon black. The United Oil & Natural Gas Products Corporation. 170,445, July 17, 1923. Republished Feb. 8.
Mixture of paint oils. James B. Sipe and Company. 506,459, Feb. 8; Serial No. 531,383, published Oct. 19, 1948.
Paint. Patek Brothers, Inc. 506,463, Feb. 8; Serial No. 531,827, published Oct. 19, 1948.
Paint. Patek Brothers, Inc. 506,470, Feb. 8; Serial No. 532,867, published Oct. 19, 1948.
Paint, Cement base. J. H. Naden. 442,047, Feb. 8; Serial No. 516,910, published Oct. 19, 1948.
Paint enamel. Chicago Paints, Inc. 506,509, Feb. 8; Serial No. 538,362, published Oct. 19, 1948.
Paint enamel. Patek Brothers, Inc. 506,464, Feb. 8; Serial No. 531,828, published Oct. 19, 1948.
Paint enamel, White. M. J. Merkin Paint Co., Inc. 506,512, Feb. 8; Serial No. 539,069, published Oct. 19, 1948.
Paint enamels. The Paraffine Companies, Inc. 206,946, Dec. 15, 1925. Republished Feb. 8.
Paint enamels and varnishes. Jewel Paint & Varnish Co. 257,873, June 18, 1929. Republished Feb. 8.
Paint enamels, paint enamel undercoats, ready mixed interior paints, etc. The O'Brien Corporation. 506,405, Feb. 8; Serial No. 517,281, published Oct. 19, 1948.
Paint in paste and liquid form. Continental Paint & Varnish Co. 506,513, Feb. 8; Serial No. 539,276, published Oct. 19, 1948.
Paint, Ready-mixed. Morris Paint & Varnish Co. 442,031, Feb. 8; Serial No. 513,577, published Oct. 19, 1948.
Paints and varnishes. W. J. Lynch Paint & Varnish Co., Inc. 442,022, Feb. 8; Serial No. 511,485, published Oct. 19, 1948.
Paints, Asphalt-base. The Paraffine Paint Co. 73,396, re-renewed Apr. 13, 1949. O. G. Feb. 8.
Paints, Ready mixed, paste paints, wood stains, etc. Roberts Paint Corp. 442,046, Feb. 8; Serial No. 516,574, published Oct. 19, 1948.
Polish, Furniture. A. E. Davis. 442,011, Feb. 8; Serial No. 507,574, published Oct. 19, 1948.
Seal and finish in the nature of varnish, wood floor seal, water emulsion floor wax, etc., Wood floor. The Diversey Corporation. 506,462, Feb. 8; Serial No. 531,780, published Oct. 19, 1948.
Shellac, Ready-mixed adhesive. C. Benoit. 93,418, Sept. 16, 1913. Republished Feb. 8.
Varnish and clear varnish sealer. James B. Sipe and Company. 506,458, Feb. 8; Serial No. 531,382, published Oct. 19, 1948.
Varnish and pyroxylin lacquers, paint enamels, paint and varnish thinning liquids, etc. Lacquer & Chemical Corporation. 506,393, Feb. 8; Serial No. 508,048, published Oct. 19, 1948.
Varnishes. Acme White Lead & Color Works. 253,357, renewed Feb. 26, 1949. O. G. Feb. 8.
Varnishes. The Bissell Varnish Company. 506,488, Feb. 8; Serial No. 535,295, published Oct. 19, 1948.
Varnishes. Blue Ribbon Paint Company. 506,518, Feb. 8; Serial No. 540,369, published Oct. 19, 1948.
Varnishes, japans, ready-mixed paints, etc. Clover Leaf Paint & Varnish Corporation. 506,479, Feb. 8; Serial No. 534,243, published Oct. 19, 1948.
Wax finish. Minwax Company, Inc. 506,389, Feb. 8; Serial No. 496,454, published Oct. 19, 1948.
Wax, Semi-liquid wallpaper. H. S. Ingber. 442,023, Feb. 8; Serial No. 511,615, published Oct. 19, 1948.

CLASS 17

Cigarettes. Lambert Pharmacal Company. 240,953, Apr. 10, 1928. Republished Feb. 8.
Cigars. H. Fendrich. 72,271, re-renewed Jan. 12, 1949. O. G. Feb. 8.
Tobacco, Smoking. Cohen, Weenen & Co., Limited. 248,771, renewed Oct. 30, 1948. O. G. Feb. 8.

CLASS 19

Automobile heaters. Noblitt-Sparks Industries, Inc. 506,447, Feb. 8; Serial No. 529,811, published Oct. 12, 1948.
Automobile mat pads, Composition rubber and fabric. Fritzsche Tire & Reliner Company. 506,588, Feb. 8; Serial No. 523,257.
Automobile radiator guards, collapsible step for vehicles, and automobile luggage carriers. State Welding Works, Inc. 442,065, Feb. 8; Serial No. 521,938, published Oct. 12, 1948.
Automobile structural parts. Hudson Motor Car Company. 283,898, June 9, 1931. Republished Feb. 8.
Automobiles. Hudson Motor Car Company. 110,022, May 2, 1916. Republished Feb. 8.
Automobiles. Hudson Motor Car Company. 111,825, Aug. 8, 1916. Republished Feb. 8.
Automobiles and chassis for automobiles, bicycles, and aeroplanes. Minerva Motors. 149,703, renewed Dec. 20, 1941. O. G. Feb. 8.
Automobiles and their structural parts. Amplex Manufacturing Company. 247,898, renewed Oct. 9, 1948. O. G. Feb. 8.
Automobiles, Gasoline passenger. Hudson Motor Car Company. 271,819, June 17, 1930. Republished Feb. 8.
Automobile, Passenger. Graham Paige Motors Corporation. 442,006, Feb. 8; Serial No. 505,577, published Oct. 5, 1948.
Automobiles, Passenger. Hudson Motor Car Company. 360,457, Sept. 20, 1938. Republished Feb. 8.
Bicycles. The Cuthrell Company, Incorporated. 248,698, renewed Oct. 30, 1948. O. G. Feb. 8.
Bicycles. Mead Cycle Company. 506,422–3, Feb. 8; Serial No. 525,363–4, published Oct. 5, 1948.
Car wheels, brake shoes, brake shoe keys, etc. American Brake Shoe Company. 506,411, Feb. 8; Serial No. 520,667, published Oct. 5, 1948.
Coaches, Baby. John Wanamaker, Philadelphia. 506,557, Feb. 8; Serial No. 545,202, published Oct. 19, 1948.
Covers for vehicle seats. Crawford Manufacturing Co., Inc. 163,045, Jan. 2, 1923. Republished Feb. 8.
Marine runabouts and cruisers. Correct Craft, Inc. 506,406, Feb. 8; Serial No. 517,651, published Oct. 5, 1948.
Mirrors, Rear view. Jay Electric Co. 442,054, Feb. 8; Serial No. 518,355, published Oct. 5, 1948.
Motor scooters. Solar Corporation. 506,441, Feb. 8; Serial No. 528,381, published Oct. 12, 1948.
Railroad cars, All types of. Magor Car Corporation. 506,408, Feb. 8; Serial No. 519,878, published Oct. 5, 1948.
Railway wheels and tires. Standard Steel Works Company. 347,933, July 13, 1937. Republished Feb. 8.
Trucks, Refrigerated, refrigerated semi-trailer trucks, refrigerated trailer trucks, etc. The Broquinda Corporation. 506,414, Feb. 8; Serial No. 521,175, published Oct. 5, 1948.
Wagon boxes having unloading mechanism. Mallory Manufacturing Company. 442,030, Feb. 8; Serial No. 513,434, published Oct. 5, 1948.
Windshield wipers for automobiles and trucks. Windsor-Lloyd Products, Inc. 506,484, Feb. 8; Serial No. 534,703, published Oct. 12, 1948.

CLASS 21

Air heaters, Electric. Markel Electric Products, Inc. 506,449, Feb. 8; Serial No. 530,089, published Oct. 26, 1948.
Amplifiers, Audio frequency, audio frequency transformers, choke coils, etc. Webster Electric Company. 506,505, Feb. 8; Serial No. 537,260, published Oct. 26, 1948.
Articles and products for electrical purposes. Speer Carbon Company. 506,482, Feb. 8; Serial No. 534,563, published Nov. 2, 1948.
Batteries, Electric. General Dry Batteries, Inc. 251,778, renewed Jan. 15, 1949. O. G. Feb. 8.
Batteries, radio receiving sets and parts therefor. Kaufmann Department Stores, Inc. 231,001, Aug. 9, 1927. Republished Feb. 8.
Cable, Electric. The Okonite Company. 506,494, Feb. 8; Serial No. 535,591, published Nov. 2, 1948.

Component parts of electrical and radio apparatus, Various. United-Carr Fastener Corporation. 441,997, Feb. 8; Serial No. 497,900, published Oct. 26, 1948.
Condensers, Non-ceramic electrical. Illinois Condenser Co. 442,081, Feb. 8; Serial No. 525,850, published Oct. 26, 1948.
Converter, Electric current. A. W. La Marche. 506,559, Feb. 8; Serial No. 545,377, published Nov. 2, 1948.
Converters, Electrical static frequency. Lorain Products Corporation. 506,508, Feb. 8; Serial No. 537,910, published Nov. 2, 1948.
Electric cord, Rubber-sheathed portable. Crescent Insulated Wire & Cable Co., Inc. 248,787, renewed Oct. 30, 1948. O. G. Feb. 8.
Electric device. Harvey-Whipple, Incorporated. 351,285, Oct. 26, 1937. Republished Feb. 8.
Electrical goods. Switchcraft, Inc. 506,591, Feb. 8; Serial No. 527,328.
Electrolytic water correction devices, Self-energising and/or power induced energizing. E. M. Butler. 442,035, Feb. 8; Serial No. 514,518, published Oct. 26, 1948.
Heated apparatus, Electrically. The Sta-Warm Electric Company. 506,516, Feb. 8; Serial No. 540,332, published Nov. 2.
Holders for retaining electron emission tubes. E. F. Staver. 506,476, Feb. 8; Serial No. 534,063, published Nov. 2, 1948.
Intercommunicating systems of telephonic type. C. P. Wilser. 506,603, Feb. 8; Serial No. 504,956.
Lamps, Electric bed. Electro Manufacturing Corporation. 506,445, Feb. 8; Serial No. 528,916, published Nov. 2, 1948.
Lamps, electric lighting fixtures, Electric. Lightolier, Incorporated. 506,472, Feb. 8; Serial No. 532,942, published Oct. 26, 1948.
Light fixtures and electric air heaters, Wall-attached and ceiling-attached electric. Markel Electric Products, Inc. 506,469, Feb. 8; Serial No. 532,617, published Nov. 2, 1948.
Magnets, Lifting. The Ohio Electric Mfg. Company. 506,530, Feb. 8; Serial No. 541,697, published Oct. 26, 1948.
Mixers, Electric food, juicers, and choppers. Dormeyer Corporation. 506,387, Feb. 8; Serial No. 490,107, published Oct. 19, 1948.
Motor controls, Magnetic. Westinghouse Electric Corporation. 506,440, Feb. 8; Serial No. 528,325, published Oct. 19, 1948.
Motors, Electric. The Globe Tool & Engineering Company. 506,453, Feb. 8; Serial No. 530,815, published Oct. 26, 1948.
Motors, Electric. The Hoover Company. 506,590, Feb. 8; Serial No. 527,121.
Package containing a galvanically active metal anode encased in an electrolytically conductive backfill composition. The Dow Chemical Company. 506,515, Feb. 8; Serial No. 540,055, published Oct. 26, 1948.
Phonographs, Electric. The London Gramophone Corporation. 506,400–01, Feb. 8; Serial Nos. 512,843–4, published Oct. 19, 1948.
Phonographs, Electric. The London Gramophone Corporation. 506,401, Feb. 8; Serial No. 512,844, published Oct. 19, 1948.
Radio controlled operators. Rador Company. 506,563, Feb. 8; Serial No. 546,325, published Oct. 26, 1948.
Rectifiers, Contact. Westinghouse Electric & Manufacturing Company. 249,615, renewed Nov. 20, 1948. O. G. Feb. 8.
Shields for use on electron emission tubes. E. F. Staver. 506,477, Feb. 8; Serial No. 534,064, published Nov. 2, 1948.
Television receivers. Dynamic Electronics-New York, Inc. 506,596, Feb. 8; Serial No. 535,943.
Television receivers. Dynamic Electronics-New York, Inc. 506,597, Feb. 8; Serial No. 535,944.
Toasters, Electric. Radiron Corporation. 442,057, Feb. 8; Serial No. 519,694, published Nov. 2, 1948.
Transformers, reactors, transmitters, etc., Fixed and variable. Standard Transformer Corporation. 506,500, Feb. 8; Serial No. 536,458, published Oct. 26, 1948.

CLASS 22

Accessories for miniature toy model airplanes. G. A. Henry. 506,412, Feb. 8; Serial No. 520,701, published Oct. 5, 1948.
Athletic equipment. Sport Products Inc. 442,001, Feb. 8; Serial No. 501,417, published Oct. 5, 1948.
Bar bells, dumbbells, leg-development weights, etc. H. W. Hubner. 442,079, Feb. 8; Serial No. 525,599, published Oct. 5, 1948.
Baseballs, softballs, footballs, etc. The Sportspacer Corporation. 435,987, Jan. 20, 1948. Republished Feb. 8.
Dart boards, beach equipment. Abercrombie & Fitch Company. 506,448, Feb. 8; Serial No. 530,045, published Oct. 5, 1948.
Device comprising a base with guiding feathers used in playing an outdoor sport game. C. H. Watson. 442,018, Feb. 8; Serial No. 510,818, published Oct. 5, 1948.
Dolls. Ideal Novelty & Toy Co. 506,493, Feb. 8; Serial No. 535,530, published Oct. 5, 1948.
Dolls. B. M. Sturgeon. 441,998, Feb. 8; Serial No. 499,582, published Oct. 5, 1948.
Fish bait, Artificial. J. K. Smithwick. 506,437, Feb. 8; Serial No. 528,123, published Oct. 5, 1948.
Fish hook, Automatic. Stamford Tool & Die Corporation. 506,444, Feb. 8; Serial No. 528,893, published Oct. 12, 1948.
Fishing lines. United States Whip Company. 227,073, Apr. 26, 1927. Republished Feb. 8.
Game, Bowling. D. S. Alves. 442,003, Feb. 8; Serial No. 502,551, published June 17, 1947.
Games, Educational. E. M. Hattenhauer. 506,474, Feb. 8; Serial No. 533,019, published Oct. 12, 1948.
Golf clubs. Sport Products, Inc. 506,454, Feb. 8; Serial No. 530,977, published Oct. 5, 1948.
Golf balls. John Wanamaker, New York. 111,915, Aug. 8, 1916. Republished Feb. 8.
Golf clubs and golf balls. Golfcraft, Inc. 441,999, Feb. 8; Serial No. 499,705, published Oct. 5, 1948.
Golf tees. L. Reifman. 442,048, Feb. 8; Serial No. 516,999, published Oct. 12, 1948.
Playing cards. L. E. Tacon. 442,027, Feb. 8; Serial No. 512,543, published Oct. 5, 1948.
Toy, Educational. M. L. Ward. 442,078, Feb. 8; Serial No. 525,512, published Sept. 28, 1948.
Toy firearms. The Kilgore Manufacturing Company. 352,547, Dec. 7, 1937. Republished Feb. 8.
Toy velocipedes. The La Porte Corporation. 442,007, Feb. 8; Serial No. 506,039, published Oct. 5, 1948.
Toy wagons and wheeled vehicles used on toy roller coasters and tracks therefor. Coast-A-Way Toys. 442,025, Feb. 8; Serial No. 512,159, published Oct. 12, 1948.
Toys. The Kilgore Manufacturing Company. 238,278, Jan. 31, 1928. Republished Feb. 8.
Toys. The Thompson Company. 442,005, Feb. 8; Serial No. 505,322, published Oct. 5, 1948.
Toys, Combination. The Trigon Corporation. 506,388, Feb. 8; Serial No. 491,130, published Oct. 5, 1948.
Toys, Rubber and rubber-like molded and partially molded. Auburn Rubber Corporation. 442,012, Feb. 8; Serial No. 508,885, published Oct. 5, 1948.

CLASS 23

Axes. Warren Axe and Tool Company. 68,487, Apr. 14, 1908. Republished Feb. 8.
Axes. Warren Axe and Tool Company. 70,454, Sept. 1, 1908. Republished Feb. 8.
Booster units. Lathan Company, Inc. 432,214, Aug. 26, 1947. Republished Feb. 8.
Choppers, Meat, vegetable, and food; pruners, tinner, jeweler, rubber, and automobile snips, etc. The Henkel-Clauss Co. 244,413, July 17, 1928. Republished Feb. 8.
Clutches. Twin Disc Clutch Company. 240,524, renewed Mar. 27, 1948. O. G. Feb. 8.
Complete and parts of vehicular and portable hand mechanical fire extinguishers; fire ladders and straps therefor; motor driven vehicular fire fighting apparatus, etc. Buffalo Fire Appliance Corporation. 347,901, July 13, 1937. Republished Feb. 8.
Drills, bits and reamers. J. E. Shaw. 394,463, Apr. 7, 1942. Republished Feb. 8.
Drives or transmission mechanism. Eclipse Machine Company. 141,349, Apr. 19, 1921. Republished Feb. 8.
Grease-gun filler necks, grease-cup fittings, grease guns and pumps, etc. Reliance Machine & Stamping Works, Inc. 234,666, Nov. 1, 1927. Republished Feb. 8.
Machines for bakeries and confectioneries. F. Aeschbach. 231,276, renewed Aug. 16, 1947. O. G. Feb. 8.
Metal-drilling machines, Continuous rotary. Davis & Thompson Company. 249,532, renewed Nov. 13, 1948. O. G. Feb. 8.
Milking machines and parts thereof. Pine Tree Milking Machine Co. 506,424, Feb. 8; Serial No. 526,553, published Sept. 7, 1948.
Pocket-knives, scissors, and razors. Wester Bros. 72,465, re-renewed Jan. 26, 1949. O. G. Feb. 8.
Presses, Hydraulic rubber, hose-making machines, rubber calendars, etc. Farrel Foundry & Machine Company. 131,749, May 25, 1920. Republished Feb. 8.
Printing plates, embossing machines, addressing machines, etc. The Speedaumatic Company. 253,798, renewed Mar. 5, 1949. O. G. Feb. 8.
Rolling-mill rolls. Mesta Machine Company. 249,708–9, renewed Nov. 20, 1948. O. G. Feb. 8.
Salt dissolvers. Jefferson Island Salt Company. 434,167, Nov. 11, 1947. Republished Feb. 8.
Sewing machines. The New Home Sewing Machine Company. 216,809, renewed Aug. 24, 1946. O. G. Feb. 8.
Stretchers and sealers. Acme Steel Company. 241,287, Apr. 24, 1928. Republished Feb. 8.
Transmission apparatus and explosion-motors. Minerva Motors. 149,702, renewed Dec. 20, 1941. O. G. Feb. 8.
Vacuum cleaners. Kaufmann Department Stores, Inc. 230,297, July 19, 1927. Republished Feb. 8.
Wrenches. W. Petersen. 381,733, Oct. 1, 1940. Republished Feb. 8.

CLASS 24

Washing machines. Kaufmann Department Stores, Inc. 230,531, July 26, 1927. Republished Feb. 8.

CLASS 26

Camera attachments. E. J. Herbert. 442,010, Feb. 8; Serial No. 507,314, published Oct. 26, 1948.
Control apparatus, Pressure responsive. Minneapolis-Honeywell Regulator Company. 506,539, Feb. 8; Serial No. 542,626, published Oct. 19, 1948.
Instrument consisting of a two stage pressure regulator, pressure electric switch and dual edgewise pressure gauge, Combination. Manning, Maxwell & Moore, Incorporated. 442,015, Feb. 8; Serial No. 509,857, published Oct. 5, 1948.
Instruments for controlling the functioning of internal combustion engines. General Research & Development Co. 442,050, Feb. 8; Serial No. 517,189, published Sept. 28, 1948.
Lenses, Contact. The House of Vision-Belgard-Spero Inc. 442,009, Feb. 8; Serial No. 507,127, published Apr. 6, 1948.
Meters, Exposure. G-M Laboratories, Inc. 441,995, Feb. 8; Serial No. 497,021, published Apr. 1, 1947.
Radio transmitters and receivers. C. E. Hastings. 442,038, Feb. 8; Serial No. 515,423, published Oct. 19, 1948.
Spectacles. Wall & Ochs, Incorporated. 252,435, renewed Feb. 5, 1949. O. G. Feb. 8.
Spectacles, eyeglasses, eyeglass mountings, etc. Wall & Ochs, Incorporated. 251,461, renewed Jan. 8, 1949. O. G. Feb. 8.
Sun glasses. Sun Glass Industries. 441,996, Feb. 8; Serial No. 497,053, published Oct. 5, 1948.
Syringe which is provided with a float. B-L Electric Manufacturing Company. 442,062, Feb. 8; Serial No. 521,427, published Oct. 12, 1948.
Testing and measuring apparatus, Electric high frequency. Sperry Gyroscope Company, Inc. 441,990, Feb. 8; Serial No. 471,138, published Feb. 27, 1945.
Thermostatic controls. The Titan Valve and Manufacturing Company. 433,631, Oct. 21, 1947. Republished Feb. 8.
Thermostats. C. H. Dicke. 251,516, renewed Jan. 8, 1949. O. G. Feb. 8.

CLASS 27

Clocks. Jaeger Watch Company, Inc. 506,528, Feb. 8; Serial No. 541,302, published Oct. 26, 1948.
Clocks, watches, and parts thereof. The New Haven Clock and Watch Company. 506,418, Feb. 8; Serial No. 523,474, published Oct. 26, 1948.
Watch and clock springs, hairsprings, and hand clocks and watches and parts thereof, etc. E. Geiser. 249,251, renewed Nov. 13, 1948. O. G. Feb. 8.
Watches. Movado Watch Agency, Inc. 407,090, May 16, 1944. Republished Feb. 8.
Watches. Movado Watch Agency, Inc. 506,409, Feb. 8; Serial No. 520,518, published Oct. 26, 1948.
Watches. Movado Watch Agency, Inc. 506,410, Feb. 8; Serial No. 520,564, published Oct. 26, 1948.
Watches and attached bracelets. Benrus Watch Company, Inc.
Watches and clocks. Jaeger Watch Company, Inc. 435,471, Dec. 30, 1947. Republished Feb. 8.
Watches and clocks. Jaeger Watch Company, Inc. 506,527, Feb. 8; Serial No. 541,301, published Oct. 26, 1948.
Watches and watch cases. Bulova Watch Company, Inc. 235,481, Nov. 22, 1927. Republished Feb. 8.

CLASS 28

Bracelets, brooches, earrings, etc. S. & G. Gump Company. 506,525, Feb. 8; Serial No. 541,293, published Nov. 2, 1948.
Buckles, belt buckles, fob pendants, etc. North & Judd Manufacturing Company. 237,054, Jan. 3, 1928. Republished Feb. 8.
Chains, Key. Jacques Kreisler Manufacturing Corporation. 442,033, Feb. 8; Serial No. 514,202, published Oct. 26, 1948.
Clasps or pins. J. M. Crownover. 442,045, Feb. 8; Serial No. 516,538, published Oct. 26, 1948.
Jewelry. B. A. Ballou & Co. Incorporated. 317,247, Sept. 18, 1934. Republished Feb. 8.
Jewelry. Campus Jewelry Products, Inc. 442,076, Feb. 8; Serial No. 524,948, published Nov. 2, 1948.
Jewelry. Patula and Company. 442,029, Feb. 8; Serial No. 513,199, published Oct. 26, 1948.
Jewelry. Trifari, Krussman & Fishel, Inc. 506,467, Feb. 8; Serial No. 532,383, published Nov. 2, 1948.
Jewelry, Costume. Star Jewelry Co., Inc. 442,056, Feb. 8; Serial No. 519,232, published Oct. 26, 1948.
Mountings for jewelry. Feature Ring Co., Inc. 506,514, Feb. 8; Serial No. 539,866, published Nov. 2, 1948.
Necklaces and religious ornaments. E. S. Winstan Co. 442,055, Feb. 8; Serial No. 518,576, published Oct. 26, 1948.
Necklaces, bracelets, finger rings. Joseph H. Meyer Bros. 506,399, Feb. 8; Serial No. 511,892, published Nov. 2, 1948.
Pins, Fraternity, finger rings, and lapel buttons. Phi Psi Fraternity. 506,550, Feb. 8; Serial No. 543,738, published Nov. 2, 1948.
Pins, Fraternity, finger rings, and lapel buttons. Phi Theta Pi Fraternity. 506,551, Feb. 8; Serial No. 543,739, published Nov. 2, 1948.
Rings, Finger, finger ring settings, brooches, etc. Jabel Ring Manufacturing Co. 506,536, Feb. 8; Serial No. 542,140, published Nov. 2, 1948.
Rings, Wedding. Alfred Humbert & Son. 227,181, May 3, 1927. Republished Feb. 8.
Tableware, Sterling silver flat. Oneida Ltd. 506,560, Feb. 8; Serial No. 545,387, published Oct. 26, 1948.
Watch attachments and bracelets. Dominant, Incorporated. 442,017, Feb. 8; Serial No. 510,663, published Nov. 2, 1948.

CLASS 29

Paintbrushes. The Wooster Brush Company. 222,638–40, Jan. 4, 1927. Republished Feb. 8.
Paintbrushes. The Wooster Brush Company. 222,685, Jan. 4, 1927. Republished Feb. 8.
Tool including a steel wool pad, Combination hand. E. L. Bruce Co. 506,491, Feb. 8; Serial No. 535,471, published Oct. 5, 1948.

CLASS 31

Filters, Oil. Pick Manufacturing Company. 378,666, June 11, 1940. Republished Feb. 8.
Refrigerators, Electric. Syndicate-Alliance Trading Co., Inc. 350,591, Sept. 28, 1937. Republished Feb. 8.

CLASS 32

Bed-springs. Leggett & Platt, Inc. 506,602, Feb. 8; Serial No. 543,817.
Bedding. Massachusetts Mattress Company. 442,069, Feb. 8; Serial No. 523,902, published Oct. 19, 1948.
Bridge sets including bridge chair and bridge tables, etc., Metal. Ero Manufacturing Company. 442,028, Feb. 8; Serial No. 512,771, published May 13, 1937.
Cabinets, File. Postindex Company, Inc. 243,630, June 26, 1928. Republished Feb. 8.
Chairs and folding chairs, cots, stools, etc. "Take-Along" Travel Chair Company. 506,511, Feb. 8; Serial No. 538,572, published Oct. 6, 1948.
Chairs, Classroom. American Seating Company. 433,321, Oct. 7, 1947. Republished Feb. 8.
Chairs, Living room, bedroom, and other types of household. O'Hearn Manufacturing Company. 506,502, Feb. 8; Serial No. 536,710, published Oct. 19, 1948.
Chairs, stools, benches, etc., Metal. The Troy Sunshade Company. 506,427–8, Feb. 8; Serial Nos. 526,670–1, published Oct. 26, 1948.
Chairs, stools, benches, etc., Metal. The Troy Sunshade Company. 506,429, Feb. 8; Serial No. 526,684, published Oct. 26, 1948.
Desks, secretaries, chests of drawers, etc. The Skandia Furniture Company of Rockford Illinois. 243,133, renewed June 12, 1948. O. G. Feb. 8.
Furnishings, Modern and antique home. John Wanamaker New York. 228,756, June 7, 1927. Republished Feb. 8.
Furniture, Classroom. American Seating Company. 431,491, July 22, 1947. Republished Feb. 8.
Furniture, Metal. Ero Manufacturing Company. 442,049, Feb. 8; Serial No. 517,188, published Feb. 17, 1948.
Furniture, Metal. Royal Metal Manufacturing Company. 506,413, Feb. 8; Serial No. 521,029, published Oct. 26, 1948.
Inner spring units for upholstered cushions and mattresses. Kay Manufacturing Corporation. 344,406, Mar. 23, 1937. published Feb. 8.
Mattresses. Eclipse Sleep Products Inc. 378,578, June 11, 1940. Republished Feb. 8.
Mattresses. Eclipse Sleep Products Inc. 385,212, Feb. 18, 1941. Republished Feb. 8.
Mattresses. Eclipse Sleep Products Inc. 403,067, Aug. 31, 1943. Republished Feb. 8.
Mattresses. F. M. Tritico. 442,043, Feb. 8; Serial No. 515,917, published Oct. 12, 1948.
Mattresses. United States Cabinet Bed Co. 374,829, Jan. 23, 1940. Republished Feb. 8.
Mattresses. United States Cabinet Bed Co. 376,664, Apr. 2, 1940. Republished Feb. 8.
Pads and mattresses, Crib. Staffin Lewis Corp. 506,600–01, Feb. 8; Serial Nos. 542,889–90.
Reproductions of antique furniture. John Wanamaker New York. 228,555, June 7, 1927. Republished Feb. 8.
Studios, lounges, and chairs. Eclipse Sleep Products, Inc. 379,648, July 16, 1940. Republished Feb. 8.
Trays, racks, etc., Machine posting. Wilson-Jones Company. 442,034, Feb. 8; Serial No. 514,237, published Oct. 26, 1948.
Upholstery, pillow and mattress springs, and spring units. Chicago Upholsterers Supply Co. 374,783, Jan. 23, 1940. Republished Feb. 8.
Venetian blinds. The Dickey Manufacturing Company. 506,503, Feb. 8; Serial No. 536,772, published Oct. 19, 1948.

CLASS 33

Glass, Sheet and plate, wire ribbed glass, wire corrugated glass, etc. W. P. Fuller & Co. 250,662, renewed Dec. 11, 1948. O. G. Feb. 8.
Glass, Sheet and plate, wire ribbed glass, wire corrugated glass, etc. W. P. Fuller & Co. 250,669, renewed Dec. 11, 1948. O. G. Feb. 8.
Sheet glass, window glass and plate glass. Semon Bache & Company. 230,097, Aug. 2, 1927. Republished Feb. 8.

CLASS 34

Draft controls. W. B. Stephenson. 350,287, Sept. 21, 1937. Republished Feb. 8.
Furnace covering jacket, Hot air. Great Lakes Furnace and Insulating Corporation. 375,661, Feb. 27, 1940. Republished Feb. 8.
Pipes and tubing of copper, aluminum, iron, etc. The Griscom-Russell Company. 255,506, renewed Apr. 23, 1949. O. G. Feb. 8.
Shoes and receiving boxes for hot-air furnaces. Rock Island Register Company. 256,304, May 14, 1929. Republished Feb. 8.
Stoves, Heating. Locke Stove Company. 381,488, Sept. 24, 1940. Republished Feb. 8.

CLASS 35

Belting, Leather. Holyoke Belting Company. 506,480, Feb. 8; Serial No. 534,286, published Nov. 2, 1948.
Brake linings and brake blocks. Raybestos-Manhattan, Inc. 506,594, Feb 8; Serial No. 533,379.
Grease and oil retainers of the friction type. National Motor Bearing Company, Inc. 506,592, Feb. 8; Serial No. 505,610, published Nov. 2, 1948.
Packings made of asbestos, rubber, flax, etc. Plant Rubber & Asbestos Works. 313,280, May 22, 1934. Republished Feb. 8.
Piston rings, piston ring expanders, and bearing shims. McQuay-Norris Manufacturing Co. 506,478, Feb. 8; Serial No. 534,169, published Oct. 26, 1948.
Rubber pipe-coupler rings, rubber sheet-packing, rubber pump-valves, etc. Raybestos-Manhattan, Inc. 506,461, Feb. 8; Serial No. 531,619, published May 11, 1948.
Tire and tube repair kits. Inland Rubber Corporation. 506,460, Feb. 8; Serial No. 531,602, published Oct. 26, 1948.
Tubes, Pneumatic tire. Continental Products, Inc. 417,341, Oct. 23, 1945. Republished Feb. 8.

CLASS 37

Check books. Bank of America National Trust and Savings Association. 402,500, July 27, 1943. Republished Feb. 8.
Diaries. Frank Smythson, Limited. 264,591, Nov. 26, 1929. Republished Feb. 8.
Envelopes, Mailing. United States Envelope Company. 239,305, Feb. 28, 1928. Republished Feb. 8.
Facial tissue. Norther Paper Mills. 368,699, June 27, 1939. Republished Feb. 8.
Paper, S. D. Warren Company. 434,564, Nov. 25, 1947. Republished Feb. 8.
Paper, Cigarette. Peter J. Schweitzer, Inc. 435,279, Dec. 16, 1947. Republished Feb. 8.
Paper, Decorative coated. The Di-Noc Manufacturing Company. 392,920, Jan. 20, 1942. Republished Feb. 8.
Paper napkins. Northern Paper Mills. 338,734, Sept. 15, 1936. Republished Feb. 8.
Paper napkins. Northern Paper Mills. 345,717, May 4, 1937. Republished Feb. 8.
Paper, Printing. Franklin Research Company. 435,647, Jan. 6, 1948. Republished Feb. 8.
Paper products. Northern Paper Mills. 421,794, June 18, 1946. Republished Feb. 8.
Paper products. Northern Paper Mills. 423,741, Sept. 10, 1946. Republished Feb. 8.
Paper tablets. Osborn Paper Company. 110,219, May 9, 1916. Republished Feb. 8.
Paper tablets. Osborn Paper Company. 110,322, May 16, 1916. Republished Feb. 8.
Paper towels. Northern Paper Mills. 261,341, Sept. 17, 1929. Republished Feb. 8.
Paper towels. Northern Paper Mills. 345,716, May 4, 1937. Republished Feb. 8.
Paper towels. Northern Paper Mills. 347,346, June 22, 1937. Republished Feb. 8.
Paper towels. Northern Paper Mills. 347,919, July 13, 1937. Republished Feb. 8.
Paper towels. Northern Paper Mills. 348,168, July 20, 1937. Republished Feb. 8.
Paper towels. Stevens & Thompson Paper Co. 366,592, Apr. 18, 1939. Republished Feb. 8.
Paper towels. Stevens & Thompson Paper Co. 377,151, Apr. 23, 1940. Republished Feb. 8.
Paper towels, Folded. Northern Paper Mills. 235,728, Nov. 22, 1927. Republished Feb. 8.
Paper, Toilet. Linton & Scott. 156,748, July 11, 1922. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 214,277, June 15, 1926. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 262,563, Oct. 15, 1929. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 304,775, July 18, 1933. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 305,106, Aug. 1, 1933. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 311,720, Apr. 3, 1934. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 321,388, Jan. 29, 1935. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 347,920, July 13, 1937. Republished Feb. 8.
Paper, Toilet. Northern Paper Mills. 350,290, Sept. 21, 1937. Republished Feb. 8.
Paper, Toilet. Stevens & Thompson Paper Co. 339,239, Sept. 29, 1936. Republished Feb. 8.
Paper, Toilet. Stevens & Thompson Paper Co. 339,610, Oct. 13, 1936. Republished Feb. 8.
Paper, Toilet. Stevens & Thompson Paper Co. 340,732 Nov. 17, 1936. Republished Feb. 8.
Paper, Toilet. Stevens & Thompson Paper Co. 347,607, June 29, 1937. Republished Feb. 8.
Paper, Toilet. Stevens & Thompson Paper Co. 354,947, Mar. 1, 1938. Republished Feb. 8.
Paper, Toilet, paper towels, paper facial tissue, etc. United Paper Company. 380,488, Aug. 20, 1940. Republished Feb. 8.
Paper toilet seat covers. Sanitor Manufacturing Co., Not Inc. 323,729, Apr. 30, 1935. Republished Feb. 8.
Paper, Toilet tissue. Northern Paper Mills. 337,930, Aug. 25, 1936. Republished Feb. 8.
Paper, Toilet (tissue). Northern Paper Mills. 342,603, Jan. 19, 1937. Republished Feb. 8.
Paper, Toilet (tissue). Northern Paper Mills. 344,660–2, Mar. 30, 1937. Republished Feb. 8.
Paper, Toilet tissue. Northern Paper Mills. 347,347, June 22, 1937. Republished Feb. 8.
Paper, Toilet tissue. Northern Paper Mills. 367,495, May 16, 1939. Republished Feb. 8.
Paper, Toilet tissue. Northern Paper Mills. 367,646–7, May 23, 1939. Republished Feb. 8.
Paper, Toilet tissue. Northern Paper Mills. 376,522, Mar. 26, 1940. Republished Feb. 8.
Paper, Typewriter. Eaton Paper Corporation. 366,102, Mar. 28, 1939. Republished Feb. 8.
Paper, Typewriter. Eaton Paper Corporation. 368,891–3, July 4, 1939. Republished Feb. 8.
Paper, Typewriter. Eaton Paper Corporation. 370,206, Aug. 22, 1939. Republished Feb. 8.
Paper, waxed innerwrap and wrapping papers, etc., Waxed. United Paper Company. 418,783, Jan. 8, 1946. Republished Feb. 8.
Paper, waxed inner wrap and wrapping papers, waxed bread wraps, etc., Waxed. United Paper Company. 420,382, Apr. 9, 1946. Republished Feb. 8.
Paper, Wrapping. United Paper Company. 219,403, Oct. 19, 1926. Republished Feb. 8.
Paper, Writing, and envelopes. Eaton Paper Corporation. 416,750, Sept. 25, 1945. Republished Feb. 8.
Papers, Writing and printing, and writing tablets. Osborn Paper Company. 132,769, June 29, 1920. Republished Feb. 8.
Paper, Writing, drawing paper, tablets and composition books. Birmingham Paper Company. 228,077, May 24, 1927. Republished Feb. 8.
Papeteries. Eaton Paper Corporation. 351,352, Oct. 26, 1937. Republished Feb. 8.
Stationery. Eaton Paper Corporation. 344,671, Mar. 30, 1937. Republished Feb. 8.
Stationery. Eaton Paper Corporation. 375,122, Feb. 5, 1940. Republished Feb. 8.
Tablets, composition books and notebooks. Osborn Paper Company. 114,273, Dec. 5, 1916. Republished Feb. 8.
Tablets, School pads, blank books, etc. Birmingham Paper Company. 353,542, Jan. 11, 1938. Republished Feb. 8.
Tablets, Writing, composition books, student notebooks, etc. Osborn Paper Company. 121,038, June 11, 1918. Republished Feb. 8.
Tablets, Writing, mailing envelopes, papeteries, etc. Osborn Paper Company. 134,424, Aug. 31, 1920. Republished Feb. 8.
Tablets, Writing, school tablets, composition books, etc. Osborn Paper Company. 180,690, Mar. 4, 1924. Republished Feb. 8.
Tablets, Writing, school tablets, composition books, student notebooks, etc. Osborn Paper Company. 226,935, Apr. 26, 1927. Republished Feb. 8.
Tablets, Writing, writing and printing paper, mailing and correspondence envelopes, etc. Osborn Paper Company. 166,137, Mar. 27, 1923. Republished Feb. 8.
Tissue and towels, Toilet. Stevens & Thompson Paper Co. 398,389, Oct. 27, 1942. Republished Feb. 8.
Tissue, Bathroom. Northern Paper Mills. 378,475, June 11, 1940. Republished Feb. 8.
Wrappers, Fruit and vegetable. United Paper Company. 155,106, May 16, 1922. Republished Feb. 8.

CLASS 38

Almanac. Estate of Mabel M. Swan. 386,276, Apr. 1, 1941. Republished Feb. 8.
Booklets, Standard Accident Insurance Company. 250,769, renewed Dec. 18, 1928. O. G. Feb. 8.
Cartoons. Curtis-Martin Newspapers, Inc. 254,337, renewed Mar. 19, 1949. O. G. Feb. 8.
Charts, Key code. Briggs & Stratton Corporation. 331,781, Jan. 21, 1936. Republished Feb. 8.
Magazine or periodical. Good Housekeeping Co. 46,028, Sept. 6, 1905. Republished Feb. 8.
Newspaper cartoons. King Features Syndicate, Inc. 256,098, renewed May 7, 1949. O. G. Feb. 8.
Publication, Periodical. The Food Trade Publishing Company. 139,981, Mar. 1, 1921. Republished Feb. 8.
Publication, Periodical. The National Provisioner, Inc. 247,261, Sept. 25, 1928. Republished Feb. 8.

CLASS 39

Apparel, Women's. The Hecht Company. 298,483, Oct. 25, 1932. Republished Feb. 8.

Arm bands of coiled wire. The Heath Spring and Notion Company, Limited. 246,713, renewed Sept. 11, 1948. O. G. Feb. 8.
Blouses and dresses, Ladies'. Susquehanna Waist Company. 321,165, Jan. 22, 1935. Republished Feb. 8.
Blouses and dresses, Ladies'. Susquehanna Waist Company. 334,511, May 5, 1936. Republished Feb. 8.
Brassières and foundation garments. The Formfit Company. 332,385, Feb. 11, 1936. Republished Feb. 8.
Chemises, princess slips, bloomers, etc., Ladies'. I. Schneierson & Sons, Inc. 366,320, Apr. 11, 1939. Republished Feb. 8.
Clothing, Boys'. Gem Clothing Co. 242,588, renewed May 29, 1948. O. G. Feb. 8.
Clothing, Boys'. The Hecht Company. 267,747, Feb. 25, 1930. Republished Feb. 8.
Clothing, Men's and young men's. J. Friedman & Co., Inc. 360,086, Sept. 6, 1938. Republished Feb. 8.
Clothing, Men's, women's, boys' and girls'. Moon-Glow Garment Co. 387,155, May 6, 1941. Republished Feb. 8.
Coats and leather coats, leather jackets, leather vests, etc. H. & L. Block, Ltd. 298,726, Nov. 1, 1932. Republished Feb. 8.
Coats and leather coats, leather vests, leather breeches, etc. H. & L. Block, Ltd. 298,355, Oct. 25, 1932. Republished Feb. 8.
Coats and suits, Women's and misses'. A. Davis & Sons, Inc. 347,483, June 29, 1937. Republished Feb. 8.
Coats, suits, and jackets, Women's, ladies', and misses'. A. Davis & Sons, Inc. 394,474, Apr. 7, 1942. Republished Feb. 8.
Coats, suits, capes, etc., Misses'. A. Davis & Sons, Inc. 391,680, Nov. 18, 1941. Republished Feb. 8.
Coats, vests, and trousers, Men's and young men's. J. Friedman & Co., Inc. 237,980, Jan. 24, 1928. Republished Feb. 8.
Dress goods in the piece, flannels, white goods in the piece, etc. John Wanamaker New York. 112,146, Aug. 22, 1916. Republished Feb. 8.
Dresses, Women's. Kearns Brothers, Inc. 299,865, Dec. 27, 1932. Republished Feb. 8.
Girdles and foundation garments. The Formfit Company. 373,067, Nov. 21, 1939. Republished Feb. 8.
Gloves, Men's leather. John Wanamaker New York. 170,439, July 17, 1923. Republished Feb. 8.
Gloves, Women's and men's. John Wanamaker New York. 79,019, July 26, 1910. Republished Feb. 8.
Handkerchiefs. The International Handkerchief Mfg. Co. 291,657, Feb. 23, 1932. Republished Feb. 8.
Handkerchiefs. The International Handkerchief Mfg. Co. 324,218, May 14, 1935. Republished Feb. 8.
Handkerchiefs. The International Handkerchief Mfg. Co. 327,608, Sept. 3, 1935. Republished Feb. 8.
Handkerchiefs. The International Manufacturing Co. 70,885–6, Oct. 13, 1908. Republished Feb. 8.
Hats, Ladies' and misses'. Consolidated Millinery Company. 239,327, Feb. 28, 1928. Republished Feb. 8.
Hats, Ladies' and misses'. Consolidated Millinery Company. 239,572, Mar. 6, 1928. Republished Feb. 8.
Hats, Ladies' and misses'. Consolidated Millinery Company. 240,165, Mar. 20, 1928. Republished Feb. 8.
Hats, Men's. The Frank H. Lee Company. 433,493, Oct. 14, 1947. Republished Feb. 8.
Hats, Men's and boys' felt and straw. The Frank H. Lee Company. 337,345, Aug. 4, 1936. Republished Feb. 8.
Hats, Men's and boys' felt and straw. The Frank H. Lee Company. 343,454, Feb. 23, 1937. Republished Feb. 8.
Hats, Men's and boys' fur felt. The Frank H. Lee Company. 433,386, Oct. 14, 1947. Republished Feb. 8.
Hats, Men's and women's felt and straw. The Frank H. Lee Company. 337,786, Aug. 18, 1936. Republished Feb. 8.
Hats, coats, dresses, etc., Women's and misses'. Truhu Silk Corporation. 345,934, May 11, 1937. Republished Feb. 8.
Hose, Women's. Carity Hosiery Company. 377,495, May 7, 1940. Republished Feb. 8.
Hosiery. Kelly & Doherty. 344,744, Apr. 6, 1937. Republished Feb. 8.
Hosiery. Peck & Peck. 187,321, July 29, 1924. Republished Feb. 8.
Hosiery. Peck & Peck. 212,780, May 11, 1926. Republished Feb. 8.
Hosiery. Peck & Peck. 248,015, Oct. 16, 1928. Republished Feb. 8.
Insoles, composition soles, and rubber soles and heels. Essex Rubber Company. 245,140, renewed Aug. 7, 1948. O. G. Feb. 8.
Jackets. C. A. Block. 401,986, June 22, 1943. Republished Feb. 8.
Jackets and coats and weatherproof jackets and coats, Men's, women's, youths', and boys' sport. S. Liebovitz & Sons, Inc. 249,408, renewed Nov. 13, 1948. O. G. Feb. 8.
Jackets, Sport, jockey caps, aviators' jumpers, etc. William Skinner & Sons. 387,383, May 13, 1941. Republished Feb. 8.
Outer wear, Men's and boys'. National Textile Dist. Corp. 252,384, renewed Feb. 5, 1949. O. G. Feb. 8.
Overcoats, Men's. Leopold Morse Company. 367,787, May 30, 1939. Republished Feb. 8.
Shirts and men's athletic union suits of textile material, Men's and boys' work. Reliance Manufacturing Company. 256,104, renewed May 7, 1949. O. G. Feb. 8.
Shirts, Athletic. National Textile Dist. Corp. 254,065, renewed Mar. 12, 1949. O. G. Feb. 8.
Shirts, dress shirts, swim and play trunks, etc., Men's and boys' sport. Wismar Mfg. Co. 393,217, Jan. 27, 1942. Republished Feb. 8.
Shirts, Men's and boys' dress, negligee, and work. The Hecht Company. 318,345, Oct. 23, 1934. Republished Feb. 8.
Shirts, Men's dress and negligee. Gerson & Goodman. 138,625, Jan. 4, 1921. Republished Feb. 8.
Shirts, Outer. H & L Block Ltd. 386,725, Apr. 22, 1941. Republished Feb. 8.
Shoes, Ladies', men's, and boys'. A. E. Nettleton. 362,784, Nov. 29, 1938. Republished Feb. 8.
Shoes, Leather. The May Department Stores Company. 234,129, Oct. 18, 1927. Republished Feb. 8.
Shoes, Men's and boys'. A. E. Nettleton Company. 82,711, July 18, 1911. Republished Feb. 8.
Shoes, Men's and boys'. A. E. Nettleton Company. 286,413, Aug. 25, 1931. Republished Feb. 8.
Slippers, Men's, women's, and children's. Vincent Horwitz Company, Inc. 253,630, renewed Mar. 5, 1949. O. G. Feb. 8.
Soles and heels. Phillips' Patents Limited. 249,044, renewed Nov. 6, 1948. O. G. Feb. 8.
Sportswear outer garments, Ladies'. W. Netsky. 371,501, Sept. 26, 1939. Republished Feb. 8.
Suits and overcoats, Boys'. The Hecht Company. 251,441, Jan. 8, 1929. Republished Feb. 8.
Suits, Boys. The Hecht Company. 339,471, Oct. 6, 1936. Republished Feb. 8.
Topcoats, Men's. Leopold Morse Company. 368,000, June 6, 1939. Republished Feb. 8.
Underwear, Ladies'. Morse & Morse. 394,329, Mar. 31, 1942. Republished Feb. 8.
Watch, rule, and side pockets for men's overalls and men's other outer garments. Brownstein-Louis Company. 254,790, renewed Apr. 2, 1949. O. G. Feb. 8.
Wearing apparel, etc., Men's, boys', women's, misses', and girls' outer. Wm. Filene's Sons Company. 255,049, renewed Apr. 9, 1949. O. G. Feb. 8.

CLASS 40

Shields, Dress. W. Netsky. 389,049, July 22, 1941. Republished Feb. 8.
Tapestries, Partly finished needle-point. Dritz-Traum Company, Inc. 357,385, June 7, 1938. Republished Feb. 8.

CLASS 42

Blankets, Textile, sheets, pillowcases, etc. Nat. Tex. Dist. Corp. 252,691, renewed Feb. 12, 1949. O. G. Feb. 8.
Cloth, Processed or coated. The Cleveland Liner & Manufacturing Company. 246,693, renewed Sept. 11, 1948. O. G. Feb. 8.
Covering for bed pads, mattresses, and bedding, made of fabric. The Stanley Manufacturing Co., Inc. 506,575, Feb. 8; Serial No. 549,852, published Oct. 19, 1948.
Fabrics and mixtures thereof, in the piece, Silk, satin, rayon, and cotton. L. & E. Stirn, Inc. 375,119, Feb. 6, 1940. Republished Feb. 8.
Fabrics, Cotton. Heberlein & Co. 242,652, renewed May 29, 1948. O. G. Feb. 8.
Fabrics in the piece. Crompton Company. 506,542–4, Feb. 8; Serial Nos. 543,100–2, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,545, Feb. 8; Serial No. 543,121, published Oct. 19, 1948.
Fabrics in the piece, Dress. L. & E. Stirn, Inc. 403,701, Oct. 12, 1943. Republished Feb. 8.
Fabrics in the piece, Silk, and silk and cotton. William Skinner & Sons. 154,388, Apr. 11, 1922. Republished Feb. 8.
Fabrics in the piece, Woolen. Bridgewater Woolen Company. 358,919, July 26, 1938. Republished Feb. 8.
Fabrics in the piece, Woven. A. Sandhaus. 506,534, Feb. 8; Serial No. 541,887, published Oct. 19, 1948.
Fabrics, Waterproof. Schwarzwaelder Company. 261,821, Sept. 24, 1929. Republished Feb. 8.
Goods in the piece, Dress, flannels, white goods in the piece, etc. John Wanamaker New York. 112,146, Aug. 22, 1916. Republished Feb. 8.
Goods in the piece, Rayon fabric. Ponemah Mills. 441,992, Feb. 8; Serial No. 485,365, published Sept. 23, 1947.
Goods in the piece, Woolen. S. Stein & Co. 252,622, renewed Feb. 12, 1949. O. G. Feb. 8.
Goods in the piece, Woolen. S. Stein & Co. 253,068, renewed Feb. 19, 1949. O. G. Feb. 8.
Goods in the piece, Woolen. S. Stein & Co. 253,311, renewed Feb. 26, 1949. O. G. Feb. 8.
Laces in the piece. Samuel Ehrman & Co., Inc. 506,593, Feb. 8; Serial No. 533,150.
Laces in the piece. I. Zendman, Inc. 396,147, June 30, 1942. Republished Feb. 8.
Piece goods. North Billerica Co. 147,658, Oct. 25, 1921. Republished Feb. 8.
Piece goods. William Skinner & Sons. 387,065, Apr. 29, 1941. Republished Feb. 8.

Piece goods. William Skinner & Sons. 389,720, Aug. 19, 1941. Republished Feb. 8.
Piece goods, Artificial silk. L. & E. Stirn. 255,880, Apr. 30, 1929. Republished Feb. 8.
Piece goods, Chiffon and silk. L. & E. Stirn. 270,616, May 13, 1930. Republished Feb. 8.
Piece-goods, Rayon. Martin Weiner Corp. 435,280, Dec. 16, 1947. Republished Feb. 8.
Piece goods, Silk. L. & E. Stirn. 224,740, Mar. 1, 1927. Republished Feb. 8.
Piece goods, Silk. L. & E. Stirn. 257,752, June 18, 1929. Republished Feb. 8.
Piece goods, Silk, and crepe piece goods. William Skinner & Sons. 353,034, Dec. 21, 1937. Republished Feb. 8.
Piece goods, Silk and satin. William Skinner Manufacturing Co. 46,210, Sept. 12, 1905. Republished Feb. 8.
Piece goods, Silk, artificial silk piece goods, and piece goods composed of various mixtures of silk, cotton, and artificial silk. L. & E. Stirn. 283,133, May 19, 1931. Republished Feb. 8.
Piece goods, Silk, artificial silk, silk and artificial silk, etc. Truhu Silk Corporation. 345,517, Apr. 27, 1937. Republished Feb. 8.
Piece goods, Silk, cotton piece goods, silk and cotton mixed piece goods, etc. L. & E. Stirn. 258,153, June 25, 1929. Republished Feb. 8.
Piece goods, Silk, cotton piece goods, silk and cotton mixed piece goods, etc. L. & E. Stirn. 261,386, Sept. 17, 1929. Republished Feb. 8.
Piece goods, Silk, rayon, and cotton. William Skinner & Sons. 384,813, Apr. 28, 1942. Republished Feb. 8.
Piece goods, Woolen. Atlantic Mills. 155,199, May 23, 1922. Republished Feb. 8.
Piece goods, Woolen and worsted. J. P. Stevens & Co., Inc. 442,080, Feb. 8; Serial No. 525,701, published Oct. 19, 1948.
Rugs, Reversible fiber. Jas. A. Hearn & Son. 251,258, renewed Jan. 1, 1949. O. G. Feb. 8.
Sheets and pillow cases. The Hecht Company. 350,132, Sept. 14, 1937. Republished Feb. 8.
Sheets and pillow cases. John Wanamaker New York. 221,327, Nov. 30, 1926. Republished Feb. 8.
Sheets, Cotton bed, linen bed sheets, cotton pillow cases, etc. Kaufmann Department Stores, Inc. 230,343, July 19, 1927. Republished Feb. 8.
Sheets, pillow cases, and cotton and rayon textile fabrics. The Springs Cotton Mills. 506,579, Feb. 8; Serial No. 554,621, published Oct. 19, 1948.
Sheets, pillow cases, and cotton and rayon textile fabrics. The Springs Cotton Mills. 506,580–1, Feb. 8; Serial Nos. 554,623–4, published Oct. 19, 1948.
Silk in the piece, Artificial. L. & E. Stirn. 169,627, June 26, 1923. Republished Feb. 8.
Table cloths, bed spreads, doilies, etc. W. F. Breuss. 435,274, Dec. 16, 1947. Republished Feb. 8.
Table linens, towels, sheets, etc. A. S. Herrmann, Inc. 242,766, June 5, 1928. Republished Feb. 8.
Textile fabrics in the piece. Concordia-Gallia Corp. 418,028, Nov. 27, 1945. Republished Feb. 8.
Textile fabrics in the piece. Concordia-Gallia Corp. 430,014, June 3, 1947. Republished Feb. 8.
Textile fabrics in the piece. L. & E. Stirn, Inc. 403,538–9, Sept. 28, 1943. Republished Feb. 8.
Textile fabrics in the piece. L. & E. Stirn, Inc. 404,271–2, Nov. 16, 1943. Republished Feb. 8.
Textile fabrics in the piece, Woolen. The Atlantic Mills. 281,232, Mar. 10, 1931. Republished Feb. 8.

CLASS 43

Yarn, Rayon. The Viscose Company. 249,970, renewed Nov. 27, 1948. O. G. Feb. 8.
Yarn, Wool. Dritz-Traum Company, Inc. 349,815–16, Sept. 7, 1937. Republished Feb. 8.

CLASS 44

Alloy for dential use, Precious metal. Spyco Smelting & Refining Company. 316,569, Aug. 28, 1934. Republished Feb. 8.
Chemical test sets for detecting pregnancy. Westerfield Pharmacal Co. Inc. 506,589, Feb. 8; Serial No. 523,447.
Conductors for audio amplifiers worn on the human body, Flexible output. The Maico Company, Incorporated. 506,473, Feb. 8; Serial No. 532,946, published Nov. 2, 1948.
Dental specialties. De Long & Prevost, Inc. 506,537, Feb. 8; Serial No. 542,245, published Oct. 26, 1948.
Douche devices, tubular rubber sleeves with conical projections, and hot water bottles. P. B. Cow & Co. Limited. 506,497, Feb. 8; Serial No. 535,820, published Nov. 2, 1948.
Electro-therapy apparatus and parts thereof. N. F. Saunders. 442,058, Feb. 8; Serial No. 519,834, published Oct. 26, 1948.
Irrigators, Colostomy, and colostomy protectors. Colostom-Ease, Inc. 506,519, Feb. 8; Serial No. 540,388, published Oct. 26, 1948.
Hypodermic syringes, hypodermic needles, hypodermic syringe filters, etc. Popper & Klein, Inc. 441,994, Feb. 8; Serial No. 494,630, published Oct. 26, 1948.
Nursing bottles. The Seamless Rubber Company. 506,599, Feb. 8; Serial No. 542,886.
Steam pads. Samuel Bonat & Bro. 238,225, Jan. 31, 1928. Republished Feb. 8.
Strips used in permanent waving of the hair. Samuel Bonat & Bro. 238,224, Jan. 31, 1928. Republished Feb. 8.
Supporters, Athletic. The Kendall Company. 506,520, Feb. 8; Serial No. 540,829, published Oct. 19, 1948.
Tampons. M. E. Rabell. 506,495, Feb. 8; Serial No. 535,623, published Nov. 2, 1948.
Therapeutic appliances. The Burdick Corporation. 506,403, Feb. 8; Serial No. 514,752, published Nov. 2, 1948.
Vibrators, Therapeutic. Scovill Manufacturing Company. 506,546, Feb. 8; Serial No. 543,364, published Oct. 26, 1948.

CLASS 45

Beverage or beverage ingredient, Pineapple juice as. Joseph Triner Corporation. 343,701, Mar. 2, 1937. Republished Feb. 8.
Beverage, Orange juice. Nedick's Stores, Inc. 342,017–18, Dec. 29, 1936. Republished Feb. 8.
Beverage, Orange juice, orange concentrate and syrup for mixing orange juice beverage. Nedick's Stores, Inc. 415,760, Aug. 14, 1945. Republished Feb. 8.
Beverages, Non-alcoholic, maltless. Walgreen Co. 311,319, Mar. 20, 1934. Republished Feb. 8.

CLASS 46

Alimentary paste products. The Pfaffman Egg Noodle Company. 249,310, renewed Nov. 13, 1948. O. G. Feb. 8.
Almonds. Rosenberg Bros. & Co. 415,848, Aug. 21, 1945. Republished Feb. 8.
Apples, Fresh. Cashmere Fruit Growers Union. 176,535, Nov. 27, 1923. Republished Feb. 8.
Apples, Fresh. Cashmere Fruit Growers Union. 183,945, May 13, 1924. Republished Feb. 8.
Apples, Fresh. Rothwell-Gatrell Fruit Co. Inc. 506,524, Feb. 8; Serial No. 541,184, published Oct. 19, 1948.
Barley, rice, canned beans, etc. J. F. Brown. 239,288, renewed Feb. 28, 1948. O. G. Feb. 8.
Biscuits. Peek, Frean & Co., Limited. 71,902, re-renewed Dec. 22, 1948. O. G. Feb. 8.
Bread. Fischer Baking Company. 254,524, renewed Mar. 26, 1949. O. G. Feb. 8.
Butter. Lewis-Mears Company, Inc. 238,540, Feb. 7, 1928. Republished Feb. 8.
Candies. McDowell, Pyle & Co., Inc. 130,804, May 4, 1920. Republished Feb. 8.
Candies. J. Wanamaker. 165,863, Mar. 20, 1923. Republished Feb. 8.
Candies, Assorted. Associated Merchandising Corporation. 506,501, Feb. 8; Serial No. 536,661, published Oct. 19, 1948.
Candy. E. J. Brach & Sons. 146,956, Sept. 27, 1921. Republished Feb. 8.
Candy. E. J. Brach & Sons. 214,857, July 6, 1926. Republished Feb. 8.
Candy. E. J. Brach & Sons. 269,426, Apr. 8, 1930. Republished Feb. 8.
Candy. E. J. Brach & Sons. 285,444, July 28, 1931. Republished Feb. 8.
Candy. E. J. Brach & Sons. 397,672, Sept. 15, 1942. Republished Feb. 8.
Candy. E. J. Brach & Sons. 424,603, Oct. 15, 1946. Republished Feb. 8.
Candy. E. J. Brach & Sons. 428,388, Mar. 25, 1947. Republished Feb. 8.
Candy, Russell & Co., Inc. 255,528, renewed Apr. 23, 1949. O. G. Feb. 8.
Candy bars. The Shotwell Mfg. Co. 442,016, Feb. 8; Serial No. 510,117, published Oct. 26, 1948.
Candy, Nougat. L. R. Stone Company, Inc. 506,598, Feb. 8; Serial No. 537,484.
Canned chocolate milk. Brotman Associates, Inc. 506,532, Feb. 8; Serial No. 541,805, published Oct. 19, 1948.
Canned corn. Illinois Canning Co. 23,464, Aug. 8, 1893. Republished Feb. 8.
Canned corn. Illinois Canning Co. 23,481, Aug. 15, 1893. Republished Feb. 8.
Canned fish. Pacific Trading Co., Inc. 250,061, renewed Nov. 27, 1948. O. G. Feb. 8.
Canned fruits. National Fruit Canning Co. 249,330, Nov. 13, 1928. Republished Feb. 8.
Canned fruits. National Fruit Canning Co. 319,629, Dec. 4, 1934. Republished Feb. 8.
Canned fruits. National Fruit Canning Co. 319,896, Dec. 11, 1934. Republished Feb. 8.
Canned fruits. Wenatchee Packing Corporation. 236,233, Dec. 6, 1927. Republished Feb. 8.
Canned fruits and vegetables. H. P. Taylor, Jr. 66,059, Nov. 5, 1907. Republished Feb. 8.
Canned fruits, canned berries, canned vegetables, etc. Mid City Wholesale Grocers, Inc. 403,587, Oct. 5, 1943. Republished Feb. 8.
Canned fruits, canned vegetables and olives. Sylmar Packing Corporation. 388,386, Jnne 24, 1941. Republished Feb. 8.
Canned fruits, canned vegetables, canned fish, etc. Mid-City Wholesale Grocers, Inc. 372,074, Oct. 24, 1939. Republished Feb. 8.

Canned fruits, ripe olives, olive oil, etc. Supreme Olive Oil Corporation. 358,266, July 5, 1938. Republished Feb. 8.
Canned fruits, vegetables, soups, etc. The H. J. McGrath Company. 378,130, May 28, 1940. Republished Feb. 8.
Canned olives, fruits and vegetables. Symar Packing Corporation. 387,016, Apr. 29, 1941. Republished Feb. 8.
Canned peas and canned corn. Rich-Land Canning Corporation. 435,717, Jan. 6, 1948. Republished Feb. 8.
Canned salmon. Oceanic Sales Company. 249,771, Nov. 20, 1928. Republished Feb. 8.
Canned salmon. Seeman Brothers, Inc. 506,499, Feb. 8; Serial No. 536,298, published Oct. 19, 1948.
Canned tuna fish. Franco-Italian Packing Company. 273,125, July 22, 1930. Republished Feb. 8.
Canned vegetables. Pacific Trading Co., Inc. 249,322, renewed Nov. 13, 1948. O. G. Feb. 8.
Canned vegetables. H. P. Taylor, Jr., Inc. 335,581, June 9, 1936. Republished Feb. 8.
Canned vegetables, canned fruits, canned pumpkin, etc. Mid City Wholesale Grocers, Inc. 387,361, May 13, 1941. Republished Feb. 8.
Cantaloupes, Fresh. Fasio Bros. 506,485, Feb. 8; Serial No. 535,013, published Oct. 19, 1948.
Cereal with papaya, Pre-cooked. Wyeth Incorporated. 506,487, Feb. 8; Serial No. 535,209, published Oct. 19, 1948.
Coconut, Desiccated. Philippine Desiccated Coconut Corp. 188,145, Aug. 19, 1924. Republished Feb. 8.
Coffee. Haas, Baruch & Co. 506,526, Feb. 8; Serial No. 541,296, published Oct. 19, 1948.
Coffee. W. F. McLaughlin & Company. 65,709, Oct. 15, 1907. Republished Feb. 8.
Dog food. Hill Packing Company. 506,492, Feb. 8; Serial No. 535,528, published Oct. 19, 1948.
Eggs. Poultry Producers of Central California, Inc. 146,334, Sept. 6, 1921. Republished Feb. 8.
Fish, Dried, pickled or otherwise preserved. Rosenstein Brothers Inc. 67,195, Jan. 21, 1908. Republished Feb. 8.
Flour, All kinds of. Voigt Milling Company. 83,375, Sept. 5, 1911. Republished Feb. 8.
Flour, Wheat. Montana Flour Mills Company. 506,451, Feb. 8; Serial No. 530,547, published Oct. 19, 1948.
Flour, Wheat, self-rising flour, corn meal, etc. The Page Milling Company. 250,913, renewed Dec. 18, 1948. O. G. Feb. 8.
Flours, Plain and self-rising. Page Milling Company. 251,058, renewed Dec. 25, 1948. O. G. Feb. 8.
Food-flavoring extracts, vinegar, olive oil, pickles, etc. Spartan Grocers, Inc. 256,959, May 28, 1929. Republished Feb. 8.
Frozen confection. F. C. Fernandez. 251,444, Jan. 8, 1929. Amended. O. G. Feb. 8.
Fruit, Fresh citrus. Escondido Orange Association. 375,336, Feb. 13, 1940. Republished Feb. 8.
Fruit, Fresh citrus. Garden Grove Mutual Orange Assn. 390,375, Sept. 23, 1941. Republished Feb. 8.
Fruit, Fresh citrus. Garden Grove Mutual Orange Assn. 392,067, Dec. 9, 1941. Republished Feb. 8.
Fruit, Fresh citrus. The Hillside Packing Association. 338,026, Aug. 25, 1936. Republished Feb. 8.
Fruit, Fresh citrus. Hillside Packing Association. 339,417, Oct. 6, 1936. Republished Feb. 8.
Fruit, Fresh citrus. Teague-Mckevett Association. 371,663, Oct. 3, 1939. Republished Feb. 8.
Fruit, Fresh citrus. Teague-McKevett Association. 398,038, Oct. 6, 1942. Republished Feb. 8.
Fruits, Citrus. J. K. Tweedy. 97,291, May 26, 1941. Republished Feb. 8.
Fruits, Dried. Ross Packing Co. 506,457, Feb. 8; Serial No. 531,247, published Oct. 19, 1948.
Fruits, Fresh. Highgrove Fruit Association. 242,520, May 29, 1928. Republished Feb. 8.
Fruits, Fresh. M. L. Kalich. 243,231, renewed June 12, 1948. O. G. Feb. 8.
Fruits, Fresh citrus. Arizona Citrus Growers' Co. 170,516, July 17, 1923. Republished Feb. 8.
Fruits, Fresh citrus. Arizona Citrus Growers. 250,623–4, Dec. 11, 1928. Republished Feb. 8.
Fruits, Fresh citrus. Euclid Avenue Orange Association. 415,300, Aug. 7, 1945. Republished Feb. 8.
Fruits, Fresh citrus. Hillside Citrus Co., Inc. 392,553, Dec. 30, 1941. Republished Feb. 8.
Fruits, Fresh citrus. A. S. Holden. 255,524, renewed Apr. 23, 1949. O. G. Feb. 8.
Fruits, Fresh citrus. Olai Orange Association. 506,540, Feb. 8; Serial No. 542,642, published Oct. 19, 1948.
Fruits, Fresh citrus. Santa Paula Orange Association. 343,167–70, Feb. 9, 1937. Republished Feb. 8.
Fruits, Fresh citrus. Santa Paula Orange Association. 343,542, Feb. 23, 1937. Republished Feb. 8.
Fruits, Fresh citrus. Yuma Mesa Fruit Growers Association. 254,517, renewed Mar. 26, 1949. O. G. Feb. 8.
Fruits, Fresh citrus. C. M. Zilen. 418,991, Jan. 15, 1946. Republished Feb. 8.
Fruits, Fresh citrus. C. M. Zilen. 419,650, Feb. 26, 1946. Republished Feb. 8.
Fruits, Fresh citrus, and fresh vegetables. G. O. McDaniel. 410,805, Dec. 19, 1944. Republished Feb. 8.
Fruits, Fresh citrus, fresh vegetables. G. O. McDaniel. 411,130, Jan. 2, 1945. Republished Feb. 8.
Fruits, Fresh citrus, fresh vegetables, canned citrus juices, etc. G. O. McDaniel. 410,804, Dec. 19, 1944. Republished Feb. 8.
Fruits, Fresh deciduous. Modesto Fruit Exchange. 224,870, Mar. 8, 1927. Republished Feb. 8.
Fruits, Fresh deciduous. Wood Fruit Company, Inc. 249,808–9, renewed Nov. 20, 1948. O. G. Feb. 8.
Fruits, Preserved. The Beckwith Company. 161,918, Nov. 28, 1922. Republished Feb. 8.
Grapefruit, Fresh. Coachella Valley Grapefruit Association. 225,088, Mar. 8, 1927. Republished Feb. 8.
Honey. H. H. Schumacher. 399,937, Feb. 9, 1943. Republished Feb. 8.
Honey. H. H. Schumacher. 409,021, Sept. 12, 1944. Republished Feb. 8.
Horse-radish. J. Mints. 252,362, Feb. 5, 1929. Corrected. O. G. Feb. 8.
Ice cream. The Kerr Ice Cream Company. 441,989, Feb. 8; Serial No. 442,196, published Oct. 19, 1948.
Lettuce, fresh carrots and fresh cantaloupes, Fresh. Stanley Fruit Company. 506,455, Feb. 8; Serial No. 531,050, published Oct. 19, 1948.
Marmalade, Orange, honey, sandwich spread, etc. Crown Products Corporation. 370,788, Sept. 5, 1939. Republished Feb. 8.
Mayonnaise, mince-meat and salted peanuts. Heints, Merkle & Company. 147,621, Oct. 25, 1921. Republished Feb. 8.
Meal used as a feed for stock and poultry, Steamed bone. Pacific Bone Coal & Fertilizing Company. 255,536, renewed Apr. 23, 1949. O. G. Feb. 8.
Meat product intended primarily for sandwiches, Pressed comminuted. Nedick's Inc. 328,707–8, Oct. 1, 1935. Republished Feb. 8.
Meat products, bakery products. Nedick's Stores, Inc. 418,088, Dec. 4, 1945. Republished Feb. 8.
Meat products, bakery products. Nedick's Stores, Inc. 419,057, Feb. 5, 1946. Republished Feb. 8.
Meat sandwiches. R. Sprabao. 442,072, Feb. 8; Serial No. 524,426, published Oct. 26, 1948.
Meats, Smoked and pickled. Stahl-Meyer, Inc. 442,061, Feb. 8; Serial No. 521,368, published Oct. 26, 1948.
Milk, Evaporated. The Page Milk Co. 506,592, Feb. 8; Serial No. 532,485.
Nuts. M. Rosenberg. 342,908, Feb. 2, 1937. Republished Feb. 8.
Olive oil. D. F. De Bernardi & Co., Inc. 238,733, Feb. 14, 1928. Republished Feb. 8.
Olive oil. P. Pastene & Co. Inc. 241,362, Apr. 24, 1928. Republished Feb. 8.
Olive oil. Supreme Olive Oil Corporation. 367,283, May 5, 1939. Republished Feb. 8.
Olives and paprika. James P. Smith & Company. 201,927, Aug. 11, 1925. Republished Feb. 8.
Oranges, Fresh. The Hillside Packing Association. 245,265, Aug. 7, 1928. Republished Feb. 8.
Oranges, Fresh. Redlands Mutual Orange Company. 125,940, July 15, 1919. Republished Feb. 8.
Parsnips, Wax covered fresh. Robert L. Berner Company. 506,407, Feb. 8; Serial No. 518,272, published Oct. 19, 1948.
Peanut butter. Los Angeles Nut House. 370,922, Sept. 12, 1939. Republished Feb. 8.
Pectin, Citrus. The Exchange Orange Products Company. 255,215, renewed Apr. 16, 1949. O. G. Feb. 8.
Poultry, Live. Pioneer Hi-Bred Corn Company. 387,198, May 6, 1941. Republished Feb. 8.
Preparation for aiding in whipping cream. M. M. Disler. 506,504, Feb. 8; Serial No. 537,021, published Oct. 19, 1948.
Pretzels, potato chips, pop corn, etc. The Dan-Dee Pretzel and Potato Chip Company. 506,446, Feb. 8; Serial No. 529,606, published Oct. 19, 1948.
Salt. Smoked Products Company. 206,585, Dec. 8, 1925. Republished Feb. 8.
Sirup, Sorghum. Waconia Sorghum Company. 506,468, Feb. 8; Serial No. 532,530, published Oct. 19, 1948.
Syrup, Chocolate flavor. Krim-Ko Corporation. 442,075, Feb. 8; Serial No. 524,802, published Oct. 19, 1948.
Tarts and coffee rings. Savory Baking Company. 249,932, renewed Nov. 27, 1948. O. G. Feb. 8.
Tea, ground cinnamon, orange flavoring extract, etc. Plunkett-Jarrell Grocer Co. 86,761, May 28, 1912. Republished Feb. 8.
Toast. H. G. Cubbison. 250,962, renewed Dec. 18, 1948. O. G. Feb. 8.
Vegetables and melons, Fresh. Jack Bros. and McBurney, Inc. 390,508, Sept. 23, 1941. Republished Feb. 8.
Vegetables, Fresh. Alexander Marketing Company. 369,290, July 18, 1939. Republished Feb. 8.
Vegetables, Fresh. J. L. Budreau. 240,150, Mar. 20, 1928. Republished Feb. 8.
Vegetables, Fresh. Elmore & Stahl. 506,496, Feb. 8; Serial No. 535,693, published Oct. 19, 1948.
Vegetables, Fresh. La Brea Securities Co. 394,793, Apr. 28, 1942. Republished Feb. 8.
Vegetables, Fresh. E. J. Mutchler. 425,756, Dec. 3, 1946. Republished Feb. 8.
Vegetables, Fresh. Sears Bros. & Company. 275,764, Sept. 30, 1930. Republished Feb. 8.
Vegetables, fresh deciduous fruits, fresh cantaloupes, etc., Fresh. Rikimaru Bros. and Company. 379,719, July 23, 1940. Republished Feb. 8.
Vinegar, jams, jellies, fruit preserves, etc. Crown Products Corporation. 378,088, May 28, 1940. Republished Feb. 8.

CLASS 47

Wines. Italian Swiss Colony. 432,454, Sept. 2, 1947. Republished Feb. 8.

CLASS 48

Beer. Oshkosh Brewing Company. 357,495, June 7, 1938. Republished Feb. 8.
Beer, Lager. Jos. Schlitz Brewing Company. 90,587, Mar. 4, 1913. Republished Feb. 8.
Beverages, Nonalcoholic, cereal malt. M. K. Goetz Brewing Company. 244,967, July 31, 1928. Republished Feb. 8.
Malt beverage. Berghoff Brewing Corporation. 304,472, July 11, 1933. Republished Feb. 8.
Malt beverages. Berghoff Brewing Corporation. 312,693, May 8, 1934. Republished Feb. 8.
Malt beverages. Berghoff Brewing Corporation. 393,963, Mar. 10, 1942. Republished Feb. 8.
Malt sirup. The Buckeye Producing Co. 232,606, Sept. 13, 1927. Republished Feb. 8.

CLASS 49

Brandy. Western United Distributors. 430,949, July 1, 1947. Republished Feb. 8.
Vermouth. Noilly Prat & Cie. 251,851, renewed Jan. 15, 1949. O. G. Feb. 8.
Whiskey. Medley Distilling Company. 506,604, Feb. 8; Serial No. 522,732.
Whiskey and other potable distilled liquors. The J. Kramer Company, Commission Merchants, Inc. 309,450, Jan. 16, 1934. Republished Feb. 8.
Whiskey, Scotch type. Julius Loeser & Co., Inc. 368,238, June 13, 1939. Republished Feb. 8.

CLASS 50

Caps and closure seals. Aluminum Company of America. 245,388, renewed Aug. 14, 1948. O. G. Feb. 8.
Printing plates, embossing machines, addressing machines, etc. The Speedaumatic Company. 253,798, renewed Mar. 5, 1949. O. G. Feb. 8.
Strips of composite material from which insoles may be cut. Sewall & Son, Inc. 396,455–6, July 21, 1942. Republished Feb. 8.

CLASS 55

Operation of airlines and the transportation of passengers, freight, and mail in the conduct of such services. Mid-Continent Airlines, Inc. 506,605, Feb. 8; Serial No. 535,253.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Andrews, Norman F., Moline, Ill., and R. L. Dort, Davenport, Iowa, assignors to Deere & Company, Moline, Ill. Corn harvester. Re. 23,083, Feb. 8.

Deere & Company, assignee: *See*—
Andrews, Norman F., and Dort.

Dort, Russell L.: *See*—
Andrews, Norman F., and Dort.

LIST OF DESIGN PATENTEES

Acton, Grant M., Arkansas City, Kans., assignor to Acton Manufacturing Company, Inc. Portable beverage cooler. 152,580, Feb. 8.

Acton Manufacturing Company, Inc., assignee: *See*—
Acton, Grant M.

Aluminum Arts, Inc., assignee: *See*—
Kobbe, Daniel D.

Amyot, Pierre, Quebec, Quebec, Canada. Girdle. 152,581, Feb. 8.

Ansul Chemical Company, assignee: *See*—
Guise, Arthur B., and Johnson.

Banever, Gilbert, New Haven, Conn., assignor to General Electric Company. Measuring instrument case. 152,582, Feb. 8.

Becker, Fred H., and L. F. Peabody, assignors to The Ohio Leather Company, Girard, Ohio. Leather or similar article of manufacture. 152,583, Feb. 8.

Becker, Rodger F., Kalamazoo, Mich. Flashlight. 152,584, Feb. 8.

Ben-Ari, Seth, Millburn, N. J. Cabinet or similar article. 152,585, Feb. 8.

Boston Stove Foundry Company, assignee: *See*—
Covey, Larid F.

Brande, Esther, Garden City, N. Y. Baby bunting. 152,586, Feb. 8.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Face plate for a dispensing machine. 152,587, Feb. 8.

Brundage, Alan D., assignor to F. L. Jacobs Co., Detroit, Mich. Dispensing machine. 152,588, Feb. 8.

Buck, William H.: *See*—
Musselman, Henry E., and Buck.

Burri, William F., Portland, Oreg. Nozzle attachment for vacuum cleaners. 152,589, Feb. 8.

Campbell, Phillip, Whittier, and E. G. Fox, Sr., Long Beach, Calif. Carnival weight-lifting amusement device or the like. 152,590, Feb. 8.

Canner, Herman M., Detroit, Mich. Tie rack. 152,591, Feb. 8.

Carey, Hugh M., Glendale, Calif. Decorative display lamp or the like. 152,592, Feb. 8.

Castell, Junior K., Peru, Ind., assignor to Noma Electric Corporation, New York, N. Y. Bubbling candle lamp. 152,593, Feb. 8.

Caudill, Ernest C., Kansas City, Kans. Pedal control device. 152,594, Feb. 8.

Cederblad, Harold, San Francisco, Calif. Safety fish gaff. 152,595, Feb. 8.

China & Glass Distributors, Inc., assignee: *See*—
Zeisel, Eva A.

Classic Weaving Corporation, assignee: *See*—
Mitschke, Walter.

Cluett, Peabody & Co., Inc., assignee: *See*—
Dimling, Edwin C.

Covey, Laird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Cooking range. 152,596, Feb. 8.

Covey, Laird F., Stamford, Conn., assignor to Boston Stove Foundry Company, Reading, Mass. Cooking range handle unit. 152,597, Feb. 8.

Cronen, Peter J., Minneapolis, Minn. Wall bracket or the like. 152,598, Feb. 8.

Cronen, Peter J., Minneapolis, Minn. Wall bracket or the like. 152,599, Feb. 8.

Danielson, Paul F., San Marino. Combination saw and cleaver. 152,600, Feb. 8.

Dillon, Marian S., Youngstown, Ohio. Combination salt and pepper shaker. 152,601, Feb. 8.

Dimling, Edwin C., Flushing, assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Display fixture. 152,602, Feb. 8.

Dolan, George A.: *See*—
Smith, Harry B., and Dolan.

Donath, Ernest, Brookline, Mass. Plaited skirt. 152,603, Feb. 8.

Dooley, Isaac P.: *See*—
Marinack, Patrick T.

Fanelli, Pasquale W., Brooklyn, N. Y. Combined earring and perfume container. 152,604, Feb. 8.

Fletcher, Wendell S., South Pasadena, Calif. Instrument panel. 152,605, Feb. 8.

Foreman, Esther, Evansville, Ind. Baby panties. 152,606, Feb. 8.

Fox, Edward G., Sr.: *See*—
Campbell, Phillip, and Fox.

General Electric Company, assignee: *See*—
Banever, Gilbert.

Gerlinger, Louis, Salem, Oreg. Sanding blocks. 152,607, Feb. 8.

Gibson, Dorothy, assignor to Dorothy Gibson Perfumes Corp., New York, N. Y. Perfume bottle. 152,608, Feb. 8.

Gibson, Dorothy, Perfumes Corp., assignee: *See*—
Gibson, Dorothy.

Gogolick, Harry, Brooklyn, and E. Meyer, New York, N. Y. Lamp base. 152,609, Feb. 8.

Green, Edward H., Chicago, Ill. Toy airplane. 152,610, Feb. 8.

Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Combined nozzle and control handle for dry chemical fire extinguisher. 152,611, Feb. 8.

Guise, Arthur B., and T. W. Johnson, assignors to Ansul Chemical Company, Marinette, Wis. Portable hand fire extinguisher. 152,612, Feb. 8.

Haberman, James C.: *See*—
Nathan, Jerome, and Haberman.

Hanson, Eugene I., New York, N. Y. Textile fabric or similar article. 152,613, Feb. 8.

Hanson, Eugene I., New York, N. Y. Textile fabric or similar article. 152,614, Feb. 8.

Harbert, Otis D., Covina, Calif. Weather vane. 152,615, Feb. 8.

Harter Corporation, assignee: *See*—
Penchoen, Henry A.

Hartley, Emmett C., Euclid, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Floor waxer. 152,616, Feb. 8.

Hedstrom-Union Company, assignee: *See*—
Regan, Frederick T.

Holt, William E., Oakland, Calif. Floor polishing machine. 152,617, Feb. 8.

Jacobs, F. L., Co., assignee: *See*—
Brundage, Alan D.

Jay Kel Inc., assignee: *See*—
Koppell, Arthur W.

Johnson, Theodore W.: *See*—
Guise, Arthur B., and Johnson.

Kibler, Everett L., Pittsburgh, Pa. Soap holder. 152,618, Feb. 8.

Kickernick, Inc., assignee: *See*—
Smith, Margot E.

Kimball, Charles N., Johnson County, Kans., W. R. Lewis, Clay County, Mo., and H. A. Strecker, Wyandotte County, Kans., assignors to C. J. Patterson Company, Kansas City, Mo. Moisture meter. 152,619, Feb. 8.

Kinsley, Felix P., St. Louis, Mo. Finger ring. 152,620, Feb. 8.

Kline, Herbert J., Jackson, Mich., assignor, by mesne assignments, to National Die Casting Company, Chicago, Ill. Appliance bracket. 152,621, Feb. 8.

Kobbe, Daniel D., assignor to Aluminum Arts, Inc., Houston, Tex. Awning. 152,622, Feb. 8.

Koppell, Arthur W., Upper Nyack, assignor to Jay Kel Inc., New York, N. Y. Expansible chain for a bracelet or similar article. 152,623, Feb. 8.
Krohnengold, Henry, Bronx, N. Y. Combined cigarette holder and ash receiver. 152,624, Feb. 8.
Kronman, Joel, Whitestone, N. Y., assignor to Victor Industries Corporation. Container cap. 152,625, Feb. 8.
Lauricella, John W., Passaic, N. J. Panel for an electronic timer or similar article. 152,626, Feb. 8.
Lent, Constantin P., New York, N. Y. Combination portable electric motion-picture camera and battery case. 152,627, Feb. 8.
Levich, Morris C., New York, N. Y. Toy animal figure. 152,628, Feb. 8.
Lewis, William R.: *See*—
Kimball, Charles N., Lewis, and Strecker.
Lindemann, Joseph S., assignee: *See*—
Mayfield, Jean B.
Louis, Henry W., Cleveland, Ohio. Pin-up ash receiver. 152,629, Feb. 8.
Marinack, Patrick T., Glendale, and I. P. Dooley, Burbank, Calif. Needle dispenser. 152,630, Feb. 8.
Massey, Augustine H., Stratford, Conn. Heater plug. 152,631, Feb. 8.
Masten, Neilson K., Seattle, Wash. Toy. 152,632, Feb. 8.
Maugham, Syrie, New York, N. Y. Knife. 152,633, Feb. 8.
Mayfield, Jean B., assignor to J. S. Lindemann, New York, N. Y. Bottle. 152,634, Feb. 8.
Mechur, Bert, and W. Riedler, New York, N. Y. Knee pad. 152,635, Feb. 8.
Messick, Thomas W., Mattoon, Ill. Fishing lure. 152,636, Feb. 8.
Meyer, Elliott: *See*—
Gogolick, Harry, and Meyer.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,637, Feb. 8.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,638, Feb. 8.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,639, Feb. 8.
Mitschke, Walter, assignor to Classic Weaving Corporation, North Bergen, N. J. Textile fabric. 152,640, Feb. 8.
Musselman, Henry E., and W. H. Buck, Kalamazoo, Mich. Condiment shaker. 152,641, Feb. 8.
Nathan, Jerome, New York, N. Y., and J. C. Haberman, Springfield, Mass. Lighting device. 152,642, Feb. 8.
National Die Casting Company, assignee: *See*—
Kline, Herbert J.
Nebel, William, Charlotte, N. C. Lady's stocking. 152,643, Feb. 8.
Nebel, William, Charlotte, N. C. Lady's stocking. 152,644, Feb. 8.
Noma Electric Corporation, assignee: *See*—
Castell, Junior K.
Nurkiewicz, Ignatius, Brooklyn, N. Y., assignor to Stop-Fire Inc. Fire extinguisher. 152,645, Feb. 8.
O'Brien, Howard T., assignee: *See*—
Rausch, Joseph J.
O'Brien Manufacturing Co., assignee: *See*—
Rausch, Joseph J.
Ohio Leather Company, The, assignee: *See*—
Becker, Fred H., and Peabody.
Orr, Thomas E., Lakewood, Ohio. Coin bank. 152,646, Feb. 8.
Patterson, C. J., Company, assignee: *See*—
Kimball, Charles N., Lewis, and Strecker.
Pavlinetz, George, Carteret, N. J. Mallet. 152,647, Feb. 8.
Peabody, Lester F.: *See*—
Becker, Fred H., and Peabody.
Pencheen, Henry A., assignor to Harter Corporation, Sturgis, Mich. Base or pedestal for chairs. 152,648, Feb. 8.
Perdew, Rodney W., Los Angeles, Calif. Rotary hedge clipper. 152,649, Feb. 8.
Phister, Albert B., Fort Thomas, Ky., assignor to The Phister Mfg. Co., Cincinnati, Ohio. Fire extinguisher. 152,650, Feb. 8.
Phister Mfg. Co., The, assignee: *See*—
Phister, Albert B.
Rausch, Joseph J., Berwyn, assignor to H. T. O'Brien, doing business as O'Brien Manufacturing Co., Chicago, Ill. Sewer cleaning machine. 152,651, Feb. 8.
Regan, Frederick T., Brookville, assignor to Hedstrom-Union Company, Fitchburg, Mass. Stroller body. 152,652, Feb. 8.
Riedler, Walter: *See*—
Mechur, Bert, and Riedler.
Rinehart, Nina D., Seattle, Wash. Lady's hat and shoe case. 152,653, Feb. 8.
Rodriques, Anthony, Westfield, Mass. Handle for a brush or similar article. 152,654, Feb. 8.
Rossell, Hubert S., Redwood City, Calif. Florist's wire holder. 152,655, Feb. 8.
Schwisow, Arnold J., Hopkins, Minn. Ash tray. 152,656, Feb. 8.
Sherwin-Williams Company, The, assignee: *See*—
Hartley, Emmett C.
Simon, Stephan J., Detroit, Mich. Fish lure. 152,657, Feb. 8.
Sklar, Morris, Brooklyn, N. Y. Wrist watch band. 152,658, Feb. 8.
Sloan, Abraham, Lynn, Mass. Baby's food tray or article of analogous nature. 152,659, Feb. 8.
Smith, Harry B., Westfield, and G. A. Dolan, East Orange, N. J. Electrical heating and welding transformer. 152,660, Feb. 8.
Smith, Margot E., assignor to Kickernick, Inc., Minneapolis, Minn. Bed jacket. 152,661, Feb. 8.
Smith, Ralph C., Valparaiso, Ind. Owl figurine. 152,662, Feb. 8.
Steigel, Mike, Rapides Parish, near Alexandria, La. Vehicle signal casing. 152,663, Feb. 8.
Stop-Fire Inc., assignee: *See*—
Nurkiewicz, Ignatius.
Strecker, Herman A.: *See*—
Kimball, Charles N., Lewis, and Strecker.
Tschirley, Norman K., Los Angeles, Calif. Ash tray. 152,664, Feb. 8.
Victor Industries Corporation, assignee: *See*—
Kronman, Joel.
Weiss, Alexander C. H., Chicago, Ill. Tissue sheet dispenser. 152,665, Feb. 8.
Williams, William E., Milwaukee, Wis. Bus cart or similar article. 152,666, Feb. 8.
Zeisel, Eva S., assignor to China & Glass Distributors, Inc., New York, N. Y. Hot-water plate. 152,667, Feb. 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackerman, Dolletta M., Los Angeles, Calif. Posture system. 2,461,102, Feb. 8.
Adair, Frank M., Berwyn, A. J. Brunner, Congress Park, and B. M. A. Trebes, Berwyn, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for molding. 2,460,964, Feb. 8.
Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Phase modulation system. 2,460,965, Feb. 8.
Adler, Robert, Chicago, Ill., assignor to Zenith Radio Corporation. Communication system. 2,460,966, Feb. 8.
Af Kleen, Nils E., Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Refrigeration. 2,461,262, Feb. 8.
Agency Electric Co., assignee: *See*—
Walsh, Philip J.
Agriculture, the United States of America as represented by the Secretary of, assignee: *See*—
Fraenkel-Conrat, Heinz L., and Olcott.
Leviton, Abraham.
McKinney, Leonard L.
Aktiebolaget Separator, assignee: *See*—
Lindgren, Hans O.
Aktiebolaget Separator-Nobel, assignee: *See*—
Holm, Curt F., and Engel.
Aktiengesellschaft Brown, Boveri & Cie, assignee: *See*—
Seippel, Claude.
Alco Valve Company, assignee: *See*—
Dube, John E.
Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of titanium nitride. 2,461,018, Feb. 8.
Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of zirconium nitride. 2,461,019, Feb. 8.
Alexander, Peter P., assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of tantalum nitride. 2,461,020, Feb. 8.
Allen, John S., Montgomery, Ala. Collapsible handle for containers. 2,460,915, Feb. 8.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Pearson.
Allied Laboratories, Inc., assignee: *See*—
Winnek, Philip S., and Faith.
Allington, George H., assignor to The Weiman Company, Rockford, Ill. Engine shipping case. 2,460,797, Feb. 8.
Allmänna Svenska Elektriska Aktiebolaget, assignee: *See*—
Lamm, Uno.
Alloy Cast Steel Company, The, assignee: *See*—
Welch, Cline H.
American Anode Inc., assignee: *See*—
Miller, Donald J.
American Can Company, assignee: *See*—
Wobbe, Delbert E., and Pilinik.
American Chain & Cable Company, Inc., assignee: *See*—
Peterson, Vincent C. J., and Wilson.
American Chemical Paint Company, assignee: *See*—
Miles, Donald L.
American Cyanamid Company, assignee: *See*—
Carpenter, Erwin L., and Davis.
American Home Products Corporation, assignee: *See*—
Maynard, Ernest W., and Di Giacomo.
American Instrument Co., Inc., assignee: *See*—
Lovins, Gerald H.
American Pipe and Construction Co., assignee: *See*—
White, Harold L.
American Safety Razor Corporation, assignee: *See*—
Landwehr, Richard F.
American Steel Foundries, assignee: *See*—
Hess, Reiza J.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Bletso, Bruce N., and Thompson.
Brickman, Alan E.
American Telephone and Telegraph Company, assignee: *See*—
Jackman, Walter P.
American Viscose Corporation, assignee: *See*—
Eisen, John B.
Furness, William H.
Pearson, Frank G.
Smith, Robert A., and Chaya.
Taylor, Robert J.
Amis, Lewis A., Dallas, Tex. Label holder. 2,461,103, Feb. 8.
Amundson, Roald H., Milwaukee, assignor to Line Material Company, South Milwaukee, Wis. High-voltage circuit interrupter. 2,460,967, Feb. 8.
Anderson, Edwin J., Aurora, Ill. Vegetable peeling machine including travelling screw driven cutters. 2,461,249, Feb. 8.
Anlah, Alfred W., Vestal, assignor to General Aniline & Film Corporation, New York, N. Y. Toluenesulfonates. 2,461,463, Feb. 8.
Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Oscillator-amplifier radio circuits. 2,461,306, Feb. 8.
Antalek, John J., assignor to The Rauland Corporation, Chicago, Ill. Modulating system. 2,461,307, Feb. 8.
Apco Mossberg Company, assignee: *See*—
Booth, Ralph E.
Appel, Andrew L., St. Louis, Mo. Tremolo producing device. 2,460,868, Feb. 8.
Appling, William L., Uvalde, Tex. Photographic film and screen holder. 2,461,405, Feb. 8.
Armco Steel Corporation, assignee: *See*—
Clingan, Irvine C.
Armour and Company, assignee: *See*—
Josh, George, Harriman, and Hopkins.
Laird, Elmer R.
Ralston, Anderson W., and Corley.
Arnold, Alex W., La Crosse, Wis. Apparatus for treating material with a gas. 2,461,154, Feb. 8.
Aronstein, Robert, Brooklyn, N. Y. Filter for fluorescent screens. 2,461,464, Feb. 8.
Arrow-Hart & Hegeman Electric Company, The, assignee: *See*—
Bentley, Robert H.
Atlas Powder Company, assignee: *See*—
Carl, Marvin H.
Attapulgus Clay Company, assignee: *See*—
La Lande, William A., Jr.
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of water gas. 2,461,021, Feb. 8.
Austenal Laboratories, Incorporated, assignee: *See*—
Erdle, Reiner W., and Schaar.
Babcock, Dale F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Vacuum distillation of trimethylamine from dimethylamine. 2,461,191, Feb. 8.
Baca, Hugo H.: *See*—
Neumann, Charles A., and Baca.
Bailey, Francis M., Scotia, N. Y., assignor to General Electric Company. Electric discharge device and system. 2,461,250, Feb. 8.
Baker, Edward A., assignee: *See*—
Newman, Robert J., and Freund.
Ball, Charles O., Maumee, and F. D. Scott, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Container. 2,461,251, Feb. 8.
Baltimore Paper Company, assignee: *See*—
Kilinski, Stanley.
Banbury, Fernley H., Woodmont, D. A. Comes, Woodbridge, and C. F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y. Reclaiming scrap vulcanized rubber. 2,461,192, Feb. 8.
Banbury, Fernley H., Woodmont, D. A. Comes, Woodbridge, and C. F. Schnuck, New Haven, Conn., assignors to Lancaster Processes, Inc., New York, N. Y. Treating waste material containing rubber. 2,461,193, Feb. 8.
Barbison Corporation, The, assignee: *See*—
Gourdon, Dorine.
Barnack, Henry C., West Springfield, Mass. Variable power and speed transmission. 2,461,022, Feb. 8.
Barnby, Herbert A.: *See*—
Hohl, John, Belnap, Jr., and Barnby.
Barnes, Carl E., Belvidere, N. J., and W. O. Ney, Jr., Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Photographic silver halide emulsions. 2,461,023, Feb. 8.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Method and apparatus for detecting flaws. 2,461,252, Feb. 8.
Barnes, Walter C., Lake Bluff, and H. W. Keevil, Evanston, Ill. Flaw detection apparatus. 2,461,253, Feb. 8.
Barry, Arthur J., assignor to The Dow Chemical Company, Midland, Mich. Production of organopolysiloxane resins with the aid of aluminum alkoxide. 2,460,799, Feb. 8.
Bascom, Frances: *See*—
Vanderbilt, Byron, and Bascom.
Bassett, Merton O., Schenectady, N. Y., assignor to General Electric Company. Radiation filter. 2,461,254, Feb. 8.
Batchelder, Laurence, Cambridge, assignor, by mesne assignments, to Submarine Signal Company, Boston, Mass. Fractional frequency generator. 2,460,800, Feb. 8.

Bates, John R., Swarthmore, assignor to Sun Oil Company, Philadelphia, Pa. Catalysis. 2,461,104, Feb. 8.

Baumeier, William L., Eggertsville, N. Y. Clothesline prop. 2,460,916, Feb. 8.

Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Coupling device. 2,461,024, Feb. 8.

Baxter, William C.: *See*—
De Puy, Charles T., and Baxter.

Beard, John H., Ruston, La. Animal poke. 2,461,255, Feb. 8.

Beattie, Horace S.: *See*—
Page, Ralph E., and Beattie.

Beck, Frederick R., Houston, Tex. Fixture accommodating and hanger stud. 2,461,025, Feb. 8.

Beckwith, Warren, assignee: *See*—
Eicholtz, Frank E.

Beetle, Walter K., Jr., Hewlett, N. Y., assignor to Dayton Aircraft Products Sales, Inc., Dayton, Ohio. Control unit for airplanes. 2,461,194, Feb. 8.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Dubuar, Arthur S.
Ellwood, Walter B.
Shann, Oscar A.
Southworth, George C.

Belnap, Robert K., Jr.: *See*—
Hohl, John, Belnap, Jr., and Barnby.

Bemis Bro. Bag Company, assignee: *See*—
Scruggs, Thomas M.

Bender, Lloyd F.: *See*—
Stanke, Frank W., and Bender.

Bendix Aviation Corporation, assignee: *See*—
Miller, Donald L.
Naylor, William E.
Weatherly, Morgan G.

Bennett, John G., D. B. Foster, C. D. Greaves, and G. C. Phillpotts, London, and M. Pirani and W. J. Kramers, Kingston-on-Thames, assignors to C. D. Patents Limited, London, England. Production of shaped and carbonized articles from coal. 2,461,365, Feb. 8.

Bentley, Robert H., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Electric wire terminal. 2,461,135. Feb. 8.

Beretta, John W., San Antonio, Tex. Safety booth. 2,460,917, Feb. 8.

Berkman, Herbert A., Chicago, Ill., assignor to Zim Manufacturing Company. Cylinder ridge reamer. 2,461,490, Feb. 8.

Bernstein, Jack: *See*—
Lott, William A., Bernstein, and Sterns.

Bert, Léonce M. Procofieff, and V. Blinoff, Paris, assignors to Societe Anonyme dite: Societe d'Innovations Chimiques dite: Sinnova ou Sadic Meaux-Beauval, France. Obtainment of aliphatic sulfonic acids and esters thereof. 2,460,968, Feb. 8.

Bilyeu, Gerald J., assignor to The Foxboro Company, Foxboro, Mass. Differentiator. 2,461,026, Feb. 8.

Birk, Paul M., Kenmore, and F. I. Steele, Snyder, N. Y., assignors to Curtiss-Wright Corporation. Sway brace instalation. 2,461,406, Feb. 8.

Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Hindered settling classification. 2,460,801, Feb. 8.

Bitzer, Edmund C., Golden, assignor to Colorado Iron Works Company, Denver, Colo. Starting a fine heavy media separation plant. 2,460,802, Feb. 8.

Black, Samuel A., Chicago, Ill. Portable oarlock. 2,461,256, Feb. 8.

Blaw-Knox Company, assignee: *See*—
Feldmeier, Frank.

Bletso, Bruce N., East Cleveland, and W. Thompson, Cleveland Heights, Ohio, assignors to The American Steel and Wire Company of New Jersey. Rotary screening drum for nail cleaning apparatus. 2,461,366, Feb. 8.

Bliley Electric Company, assignee: *See*—
Wolfskill, John M.

Blinoff, Vsevolod: *See*—
Bert, Léonce, Procofieff, and Blinoff.

Blinoff, Vsevolod, Paris, assignor to Societe Anonyme d'Innovations Chimiques dite: Sinnova ou Sadic, Meaux-Beauval, France. Producing higher molecular alcohols. 2,460,969. Feb. 8.

Bloch, Rudolf, Jerusalem, K. Goldschmid, Tel Aviv, I. Schnerb, and P. Goldschmidt, Jerusalem, Palestine. Bleaching of cellulosic matter. 2,461,105, Feb. 8.

Blum, Hoemer L., assignor to Bowser, Inc., Fort Wayne, Ind. Remote-control apparatus 2,461,407, Feb. 8.

Bodger, Walter K., South Glastonbury, assignor to United Aircraft Corporation, East Hartford, Conn. Generator mounting. 2,461,195, Feb. 8.

Bodine, Albert G., Jr., Burbank, Calif. Method of and apparatus for cutting and the like. 2,460,918, Feb. 8.

Bodine, Albert G., Jr., Burbank, Calif. Method of and apparatus for cutting materials. 2,460,919, Feb. 8.

Bodmer, Ernest, Geneva, Switzerland. Change-speed transmission for automatic lathes. 2,461,027, Feb. 8.

Bolley, Herschel C., Clawson, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Electric switch. 2,461,028, Feb. 8.

Bombach, Paul H., assignee: *See*—
Kriz, Joseph J., Jr.

Bonk, Theodore H., Tampa, Fla. Collapsible or folding infant's auto seat. 2,461,367, Feb. 8.

Bonner, William A., H. Woods, and C. D. Hurd, Evanston, Ill., assignors to Corn Products Refining Company, New York, N. Y. Disubstituted desoxyalditols and their preparation. 2,460,803, Feb. 8.

Booth, Ralph E., Mansfield, Mass., assignor to Apco Mossberg Company. Torque tool. 2,461,491, Feb. 8.

Boots Pure Drug Company Limited, assignee: *See*—
Oxley, Peter, Robson, Koebner, and Short.

Bornquist, George W., Oak Park, Ill. Control valve. 2,461,136, Feb. 8.

Bostitch, Inc., assignee: *See*—
Lindstrom, Charles M.

Boucher, Charles P., Fostoria, Ohio, and F. A. Kuhl, Ridgewood, N. J., assignors, by mesne assignments, to National Inventions Corporation. Luminescent tube system and apparatus. 2,461,029, Feb. 8.

Bowser, Inc., assignee: *See*—
Blum, Hoemer L.

Braden, Rene A., Princeton, N. J., assignor to Radio Corporation of America. Antenna. 2,460,869, Feb. 8.

Bradley, William E., Swarthmore, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Magnetic transducing apparatus utilising a helical sound trace. 2,461,368, Feb. 8.

Brandon, George M., Tallahasse, Fla. Cushion vehicle wheel. 2,461,257, Feb. 8.

Brandt, Henry E., North St. Paul, Minn. Plunger structure. 2,461,106, Feb. 8.

Brentnall, Samuel R., Washington, D. C. Anzillary control surface for high-speed aircraft. 2,460,804, Feb. 8.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Making torpedo nets. 2,461,030, Feb. 8.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Terminal fitting. 2,461,031, Feb. 8.

Bridges, John C., assignor to E. C. Eiselein, Dallas, Tex. Supporting device. 2,460,970, Feb. 8.

Bridges, John C., assignor to E. C. Eiselein, Dallas, Tex. Supporting device. 2,460,971, Feb. 8.

Brinker, Arthur J., Lexington, Nebr. Self-feeding conveyer. 2,460,920, Feb. 8.

Britton, Charles E.: *See*—
Young, David W., and Britton.

Britton, Edgar C., H. C. White, and C. L. Moyle, assignors to The Dow Chemical Company, Midland, Mich. Polymerization of organo-polysiloxanes with acid-activated bleaching earth. 2,460,805, Feb. 8.

Broido, Jacques J., Joinville-le-Pont, and J. Weissbrodt, Paris, France. Camera objective mounting. 2,461,357, Feb. 8.

Brooker, Leslie G. S., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic emulsions sensitised with N,N-alkylenecyanine dyes. 2,461,137, Feb. 8.

Brooks, Cuyler W., Brooklyn, N. Y. Automatic transmission mechanism. 2,461,258, Feb. 8.

Brosseau, Ray, Kew Gardens, N. Y. Mechanical pencil. 2,461,406, Feb. 8.

Brown, Adrian A., Lake Geneva, Wis. Machine for assorting eggs according to weight. 2,461,308, Feb. 8.

Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Ignition system. 2,461,196, Feb. 8.

Bruckhauser, William K., Brookline, Mass., assignor to International Paper Company, New York, N. Y. Box. 2,460,870, Feb. 8.

Brunner, Anton J.: *See*—
Adair, Frank M., Brunner, and Trebes.

Buchanan, Frank, Guntersville, Ala. Lug strap hanger. 2,461,138, Feb. 8.

Bucyrus-Erie Company, assignee: *See*—
Davidson, Trevor O.

Bunce, Stanley C.: *See*—
Ximenes, Manuel R., Ferguson, and Bunce.

Bureau, Arthur A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Cable reel with adjustable drum port. 2,460,972, Feb. 8.

Busch Precision Camera Corporation, assignee: *See*—
Little, Alfred E.

Bush, Vannevar, East Jaffrey, N. H. Thermal apparatus for compressing gases. 2,461,032, Feb. 8.

Bush, William M.: *See*—
Stephenson, Richard G., and Bush.

C. D. Patents Limited, assignee: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.

Cahners, Norman L., assignee: *See*—
Moffat, Alexander W.

Calcarulo, Dominick L., Falls City, Nebr. Film supporting frame. 2,460,871, Feb. 8.

Caldwell, Carlyle G., Forest Hills, assignor to National Starch Products Inc., New York, N. Y. Starch ester derivatives and making same. 2,461,139, Feb. 8.

Calfee, John D., and J. H. Pearson, Manhasset, N. Y., assignors to Allied Chemical & Dye Corporation. Low-temperature, hydrogen fluoride catalyzed polymerization of conjugated diolefins. 2,460,973, Feb. 8.

California Research Corporation, assignee: *See*—
Hetherington, Charles R.
Smith, Vaughn R., and Stevens.

Cameron, Millard E., Allen Park, Mich. Polishing attachment for electric sweepers. 2,461,369, Feb. 8.

Camp, Elsa Q.: *See*—
Viles, Prentiss S., and Camp.

Camp, Ford E.: *See*—
Wagner, Arthur E., and Camp.

Canady, Don, assignor to Dayton Acme Company, Cincinnati, Ohio. Weight controlled reel drive. 2,461,033, Feb. 8.

Candy, Albert M., La Grange, assignor, by mesne assignments to National Cylinder Gas Company, Chicago, Ill. Magnetic control system. 2,460,921, Feb. 8.

Candy, Albert M., La Grange, assignor, by mesne assignments to National Cylinder Gas Company, Chicago, Ill. Magnetic core with variable air gap. 2,460,922, Feb. 8.

Capstaff, John G., assignor to Eastman Kodak Company, Rochester, N. Y. Double shutter heat protection for motion-picture projectors. 2,461,140, Feb. 8.

Carbide and Carbon Chemicals Corporation, assignee: *See*—
Young, Frank G.

Carl, Marvin H., St. Louis, Mo., assignor to Atlas Powder Company, Wilmington, Del. Apparatus for the top separation of nitrotoluene. 2,461,141, Feb. 8.

Carosella, Michael C., Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Preparation of molybdenum compounds. 2,460,974, Feb. 8.

Carosella, Michael C., Niagara Falls, N. Y., assignor to United States Vanadium Corporation. Recovery of molybdenum compounds. 2,460,975, Feb. 8.

Carpenter, Erwin L., Riverside, and H. S. Davis, Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of acrylonitrile. 2,461,492, Feb. 8.

Carpenter, Russell, Three Rivers, Quebec, Canada. Steam joint. 2,460,872, Feb. 8.

Carper, Stanley M., Sheffield County, Conn. Shears. 2,461,370, Feb. 8.

Carter, Herbert G., Dayton, Ohio. Direction finder. 2,460,806, Feb. 8.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of beta-trichlorethane. 2,461,142, Feb. 8.

Castle, James B., Oakland, assignor to Reconstruction Finance Corporation, San Francisco, Calif. Press brake drive. 2,461,034, Feb. 8.

Cedar, Julius, New York, N. Y. Bracelet clasp. 2,461,309, Feb. 8.

Celanese Corporation of America, assignee: *See*—
Croft, Cyril M., and Hindle.

Chain Belt Company, assignee: *See*—
Miller, Arthur E., Viall, and Lindow.

Chambers, Joseph A., Memphis, Tenn. Dispensing machine. 2,461,197, Feb. 8.

Chanowitz, Harry, Chicago, assignor to D. T. Siegel, Wheaton, Ill. Welding apparatus. 2,460,807, Feb. 8.

Chaya, John S.: *See*—
Smith, Robert A., and Chaya.

Chiger, Arthur, assignor to Times Facsimile Corporation, New York, N. Y. Clamping device for electron tubes and the like. 2,461,198, Feb. 8.

Christensen, Donald W., assignor to Young Radiator Company, Racine, Wis. Unit heater construction. 2,461,409, Feb. 8.

Christopherson, Raymond, assignor to National Cabinet Company, Long Beach, Calif. Progressive drawer support. 2,460,923, Feb. 8.

Chrysler Corporation, assignee: *See*—
Neeson, Charles R.

Chu, Helga M. and H F. Larchmont, N. Y. Frame construction for kites and like toys. 2,461,465, Feb. 8.

Chu, Eling F.: *See*—
Chu, Helga M., and Chu.

Church, John W., Mount Lebanon, assignor to Falk & Company, Carnegie, Pa. Making plastic polystyrene. 2,460,976, Feb. 8.

Church, Walter L., Houston, Tex. Safety joint. 2,461,107, Jan. 8.

Ciarfello, Anthony F., Albany, N. Y. Closure. 2,461,259, Feb. 8.

Ciba Pharmaceutical Products, Inc., assignee: *See*—
Hartmann, Max, and Isler.

Cilley, Putnam, Sharon, assignor to The Foxboro Company, Foxboro, Mass. Apparatus for measuring humidity. 2,461,310, Feb. 8.

Clark Equipment Company, assignee: *See*—
Lapsley, Robert.
Lapsley, Robert, and Mills.
Philip, William J., and Parmentier.

Clark, Richard U., Belmont, Mass., assignor to The Magnavox Company, Fort Wayne, Ind. Porous electrode for electrolytic cells. 2,461,410, Feb. 8.

Clentimack, George E., Plainville, assignor to Draper Corporation, Hopedale, Mass. Loom fork filling motion. 2,461,493, Feb. 8.

Cleveland Graphite Bronze Company, The, assignee: *See*—
Schaefer, Ralph A., and Mohler.

Clewell, Dayton H., and D. C. Pfeiffer, Dallas, Tex. Vacuum gauge. 2,460,873, Feb. 8.

Clifford, Harry W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging apparatus for checking the relative alignment of reference planes of spaced articles. 2,461,143, Feb. 8.

Clingan, Irvine C., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Electrolytic stainless steel polishing. 2,461,035, Feb. 8.

Clingan, Irvine C., Baltimore, Md., assignor, by mesne assignments, to Armco Steel Corporation. Stainless steel polishing. 2,461,036, Feb. 8.

Cloutier, Davila, assignee: *See*—
Plante, Alfred J.

Coad, Frederic J., Des Moines, Iowa, G. Coad, administratrix of said F. J. Coad, deceased, assignor, by mesne assignments, to Swift & Company, Chicago, Ill. Spinning machine. 2,461,466, Feb. 8.

Coad, Gwendolyn, admistratrix: *See*—
Coad, Frederic J.

Coast Wire Company: *See*—
Schulze, Kurt E.

Coberly, Clarence J., Jr., San Marino, assignor, by mesne assignments, to Kobe, Inc., Huntington Park, Calif. Making tool handles. 2,460,874, Feb. 8.

Coffing, Frederick W., Danville, Ill. Combination tool and handle. 2,461,108, Feb. 8.

Coldwell, Thomas: *See*—
Flynn, Theodore P., and Coldwell.

Cole, Eldon B., Tulsa, Okla., assignor to Sinclair Refining Company, New York, N. Y. Distillation of aqueous alcohol extracts of mahogany sulfonates. 2,461,371, Feb. 8.

Coley, John R.: *See*—
Toettcher, Fred C., and Coley.

Collins, Fred V., Des Plaines, assignor to W. F. Stahl, Kenilworth, Ill. Tube forming device. 2,461,372, Feb. 8.

Colorado Iron Works Company, assignee: *See*—
Bitzer, Edmund C.

Comes, Donald A.: *See*—
Banbury, Fernley H., Comes and Schnuck.

Compagnie de Products Chimques et Electrometallurgiques Alais, Froges et Camargue, assignee: *See*—
Fréjacques, Jean L. M.

Continental Oil Company, assignee: *See*—
Sander, Hans C.

Convert, Henri, Lyon, France. Two-stroke motor. 2,461,199, Feb. 8.

Cook, Ernest E.: *See*—
Simer, Jerome, and Cook.

Cook, John C., Afton, Wyo., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Electrical storage device. 2,461,144, Feb. 8.

Cooper, Benjamin, Netcong, and A. F. Hohmann, Teaneck, N. J.; said Hohmann, assignor to said Cooper. Torque amplifier and revolution accumulator. 2,460,808, Feb. 8.

Corley, Hoyt M.: *See*—
Ralston, Anderson W., and Corley.

Corn Products Refining Company, assignee: *See*—
Bonner, William A. and Hurd.

Courtaulds Limited, assignee: *See*—
Wormell, Robert L. and Millidge, and Knight.

Cox, Clarence M., Belgrade, Mont. One-man posthole digger. 2,461,373, Feb. 8.

Crabtree, Kay, Crabtree Mills, Quebec, Canada. Manufacture of paper. 2,461,109, Feb. 8.

Crane Co., assignee: *See*—
Stone, Carl R.

Craver, William C., Winston-Salem, N. C. Wall bracket hanger. 2,461,145, Feb. 8.

Cress, William C., Chicago, assignor to Whiting Corporation, Harvey, Ill. Refractory lining composition. 2,461,146, Feb. 8.

Croft, Cyril M., and W. H. Hindle, Cumberland, Md., assignors to Celanese Corporation of America. Combined dyeing and creping process for organic derivative of cellulose fabrics. 2,460,875, Feb. 8.

Crook Paper Box Company, assignee: *See*—
Lisle, Wade H.

Crumble, James H., Brooklyn, N. Y. Fluid power machine. 2,461,037, Feb. 8.

Cummings, Parker E., Sr., Honolulu, Territory of Hawaii. Carburetor. 2,461,411, Feb. 8.

Curtiss-Wright Corporation, assignee: *See*—
Birk, P. M., and Steele.
Donner, Verne P.
Jenny, Robert W.
Sheets, Jack H., and Cushman.
Wright, Ben W.

Cushing, Paul J., Piedmont, and P. M. Enright, assignors to Hydraulic Dredging Company, Ltd., Oakland, Calif. Control system for hydraulic dredges. 2,461,311, Feb. 8.

Cushman, Maurice E.: *See*—
Sheets, Jack H., and Cushman.

Cusic, John W., assignor to G. D. Searle & Co., Skokie, Ill. Chemical compositions and the preparation thereof. 2,461,038, Feb. 8.

Custer, Harry W., Center Line, Mich. Receptacle supporting rack. 2,461,374, Feb. 8.

Cutler-Hammer, Inc., assignee: *See*—
Elliot, William H.

Dager, Albert, assignor of one-half to E. Shaheen, Los Angeles, Calif. Sheet receiving and aligning bin. 2,460,876, Feb. 8.

Dahlem, J. Gordon, assignor to The Wayne Pump Company, Fort Wayne, Ind. Hose fitting mechanism. 2,461,312, Feb. 8.

Dally, Roy, Racine, Wis., assignor to R. H. Wendt, Chicago, Ill. Stock supported peasheater. 2,460,924, Feb. 8.

Damschroder, Rudolph E., and M. E. Kauffman, assignors to Eastman Kodak Company, Rochester, N. Y. Preparing gelatin. 2,460,909, Feb. 8.

Davidson, Emma T.: *See*—
Davis, Vesta K., and Davidson.

Davidson, Trevor O., Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Self-aligning conical roller. 2,460,810, Feb. 8.

Davies, Elwyn P., Alameda, and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Preparing pelleted iron-oxide type catalysts. 2,460,811, Feb. 8.

Davies, Elwyn P., Alameda, and F. T. Eggertsen, Oakland, assignors to Shell Development Company, San Francisco, Calif. Dehydrogenation process. 2,461,147, Feb. 8.

Davis, Charles S., Pittsburgh, Pa. Valve operating mechanism. 2,461,313, Feb. 8.

Davis, Edward P., and H. Heltzer, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Carbon powder method of making glass beads. 2,460,977, Feb. 8.

Davis, Harold S.: *See*—
Carpenter, Erwin L., and Davis.

Davis, Vesta K., and E. T. Davidson, Winona, Minn. Coin slide. 2,461,314, Feb. 8.

Davis, Walter J., assignee: *See*—
Zimmerman, Charles F.

Dawley, Henry A., Kansas City, Mo. Floating caliper gauge. 2,461,146, Feb. 8.

Dayton Acme Company, assignee: *See*—
Canady, Don.

Dayton Aircraft Products Sales, Inc., assignee: *See*—
Beetle, Walter K., Jr.

Deal, Carl H., Jr.: *See*—
Shiras, Russell N., Nixon and Deal, Jr.

Debrie, Andre V. L. C., Paris, France. Developing spool for films. 2,461,039, Feb. 8.

Decker, William H., Melrose Highlands, Mass., assignor, by mesne assignments, to Technical Specialties Company. White writing ink. 2,460,926, Feb. 8.

Deere & Company, assignee: *See*—
Stuetzel, Harold M.

De Forest, Taber, Chicago, Ill., assignor, by mesne assignments, to R. C. Switzer, South Euclid, Ohio, and J. L. Switzer. Method and composition for flaw detection. 2,461,494, Feb. 8.

Dehmel, Richard C., Summit, N. J. Control apparatus. 2,460,877, Feb. 8.

De Laval Separator Company, The, assignee: *See*—
Strezynski, George J.

De Martini, Ralph S., San Leandro, Calif. Semiautomatic jig. 2,460,812, Feb. 8.

De Puy, Charles T., Brighton, and W. C. Baxter, assignors to Trimble Nurseryland Furniture, Inc., Rochester, N. Y. Infant's folding bath stand and dressing table. 2,461,260, Feb. 8.

Derman, Harry, Great Neck, N. Y. Garment hanging screen. 2,460,978, Feb. 8.

Detroit Lubricator Company, assignee. *See*—
Landon, Walter S.

De Virgilis, Richard, Detroit, Mich. Illuminated mirror. 2,461,315, Feb. 8.

Dewey and Almy Chemical Company, assignee: *See*—
Habib, Bunie E., and Greenlie.

Dexter Folder Company, assignee: *See*—
Holms, Walter.

Di Battista, Bernard L.: *See*—
Di Battista, Charles and B. L.

Di Battista, Charles and B. L., Cranford, N. J. Coating composition. 2,460,878, Feb. 8.

Dickinson, Arthur H., Greenwich, Conn., assignor to International Business Machines Corporation, New York, N. Y. Accounting apparatus. 2,461,412, Feb. 8.

Di Geronimo, Armand, Ozone Park, N. Y. Bottle cap remover. 2,461,040, Feb. 8.

Di Giacomo, Louis P.: *See*—
Maynard, Ernest W., and Di Giacomo.

Di Lorenzo, John, assignor of three-tenths to L. Di Lorenzo, Jeannette, Pa. Window fixture. 2,461,316, Feb. 8.

Di Lorenzo, Louis, assignee: *See*—
Di Lorenzo, John.

Dirand, Louis J., New York, N. Y., assignor of one-half to I. F. Mills. Massaging roller. 2,461,413, Feb. 8.

Dohn, Charles W., Glendale, N. Y. Platenless typewriter. 2,460,813, Feb. 8.

Donaldson, John R., Ventura, Calif. Plug valve. 2,461,041, Feb. 8.

Donner, Verne P., East Aurora, N. Y., assignor to Curtiss-Wright Corporation. Fitting for transparent tubes. 2,461,414, Feb. 8.

Douglas, H. A., Mfg. Co., assignee: *See*—
Baumgardner, Earl J.
Bolley, Herschel C.

Dow Chemical Company, The, assignee: *See*—
Barry, Arthur J.
Britton, Edgar C., White, and Moyle.

Draper Corporation, assignee: *See*—
Clantimack, George E.

Dreher, Godfrey L., Minneapolis, Minn. Bottle carrier. 2,461,317, Feb. 8.

Dreisbach, Charles A., Yonkers, N. Y. Scouring apparatus. 2,460,926, Feb. 8.

Drisko, John W., Schenectady, N. Y., assignor to General Electric Company. Overload protection device for power transmission apparatus. 2,461,261, Feb. 8.

Dubuar, Arthur S., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic line voltage compensator and impulse repeater for signaling systems. 2,461,200, Feb. 8.

Dube, John E., St. Louis County, assignor to Alco Valve Company, Maplewood, Mo. Pressure-regulating valve. 2,461,415, Feb. 8.

Duerr, Carl F., Jr., Gates Mills, assignor, by mesne assignments of thirty one-hundredths to E. R. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. E. Kiefer, and ten one-hundredths to J. E. Tompkins, all of Cleveland, Ohio. Pump lubricating means. 2,460,814, Feb. 8.

Dunkel, Otto H., Detroit, Mich. Ski-scooter. 2,460,815, Feb. 8.

Du Pont, E. I., de Nemours & Company, assignee: *See*—
Babcock, Dale F.
Cass, Oliver W.
Mortensen, Carl W.
Vinton, William H.
Wilson, Charles E., Jr.

Eastman Kodak Company, assignee: *See*—
Brooker, Leslie G. S.
Capstaff, John G.
Damschroeder, Rudolph E., and Kauffman.
Gardner, Thomas S.
Hale, Thomas A.
Hutchison, Miller R., Jr.
Luboshez, Benjamin R.
Morey, Leon P.
Peterson, Charles W.
Schade, Willy.
Schubert, Alvin E., and Hints.
Wolff, Frederick J., Jr.

Easton, Russell P., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing composition. 2,461,467, Feb. 8.

Edison, Thomas A., Incorporated, assignee: *See*—
Kelly, Frederick G.

Edwal Laboratories, Inc., The, assignee: *See*—
Krueger, John

Effiblos, Kosmas, New Orleans, La. Food refrigerating apparatus. 2,461,375, Feb. 8.

Eggertsen, Frank T.: *See*—
Davies, Elwyn P., and Eggertsen.

Eicholtz, Frank E., San Diego, Calif., assignor to Warren Beckwith. Bow drawing and releasing device. 2,461,042, Feb. 8.

Eiselein, Ellen C., assignee: *See*—
Bridges, John C.

Eisen, John B., Springfield, Pa., assignor to American Viscose Corporation, Wilmington, Del. Conditioning cellulose ester filaments. 2,461,042, Feb. 8.

Electric Storage Battery Company, The, assignee: *See*—
Riggs, Harold C.

Elliot, William H., Shorewood, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Speed control for electric motors. 2,460,927, Feb. 8.

Ellis, Robert P., York, Pa. Flexible and/or elastic self-locking band. 2,461,201, Feb. 8.

Ellström, Nils O., Aneby, Sweden, assignor, by mesne assignments, to Getram Company, Inc., New York, N. Y. Scouring pad. 2,461,468, Feb. 8.

Ellwood, Walter B., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Magnetic testing device. 2,461,202, Feb. 8.

Ely, Robert, San Diego, Calif. Mud or splash shield for vehicles. 2,461,044, Feb. 8.

Engel, Bruno K.: *See*—
Holm, Curt F., and Engel.

Enright, Paul M.: *See*—
Cushing, Paul J., and Enright.

Enthone, Inc., assignee: *See*—
Meyer, Walter R.

Erdle, Reimer W., and C. H. Schaar, assignors to Austenal Laboratories, Incorporated, Chicago, Ill., Pattern material, pattern, and method. 2,461,416, Feb. 8.

Ericson, Joseph E., Kensington, Conn. Garment hanger. 2,461,149, Feb. 8.

Esser, David, assignee: *See*—
Rostoker, Louis.

Eureka Williams Corporation, assignee: *See*—
Sheppard, William L.

Evans, Isaac A., Muncie, Ind. Slip cover for seat cushions. 2,460,928, Feb. 8.

Evans, Ralph C., Syracuse, N. Y. Hand truck. 2,461,208, Feb. 8.

Evans, Ralph L., assignee: *See*—
Winkel, Fred M.

Fairbairn, George C., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Automatic sampling device. 2,461,045, Feb. 8.

Falth, Herman E.: *See*—
Wiunek, Philip S., and Falth.

Falk & Company, assignee: *See*—
Church, John W.

Fallone, Daniel, Astoria, N. Y. Curtain support. 2,461,417, Feb. 8.

Faulk, Donald P., Waltham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electronic timing system. 2,460,816, Feb. 8.

Federal-Mogul Corporation, assignee: *See*—
Le Brasse, Gordon J., and Francis.

Feldmeier, Frank, assignor to Blaw-Knox Company, Pittsburgh, Pa. Sheet stretching mechanism. 2,461,376, Feb. 8.

Ferguson, John H.: *See*—
Ximenes, Manuel R., Ferguson, and Bunce.

Fischman, Martin, Brooklyn, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Pulse generator. 2,461,110, Feb. 8.

Fisher, Sidney O., Schenectady, N. Y., assignor to General Electric Company. Alloy suitable for use at high temperatures. 2,460,817, Feb. 8.

Fitz Gerald, Alan S., Wynnewood, Pa. Magnetic amplifier system. 2,461,046, Feb. 8.

Flinspach, John H.: *See*—
Flinspach, Mack L., and J. H.

Flinspach, Mack L. and J. H., Compton, Calif. Soil moisture indicator. 2,461,111, Feb. 8.

Flowers, Henry F., Findlay, Ohio. Braking mechanism for rail vehicles. 2,461,263, Feb. 8.

Floyd, Don E., Minneapolis, Minn., assignor to General Mills, Inc. Polyamides. 2,461,495, Feb. 8.

Flynn, Theodore F., Portland, Oreg., and T. Coldwell, Vancouver, Wash., dedicated to the free use of the People in the Territory of the United States. Endless track. 2,461,150, Feb. 8.

Foerste, William, Pelham Manor, N. Y. Controlling the operation of a plurality of gaseous discharge lamps. 2,460,979, Feb. 8.

Folli, Arthur J., Chicago, Ill. Electric clothes drier. 2,461,318, Feb. 8.

Fontaine, Jack, Cleveland, assignor of thirty-two one-half one-hundredths to L. Rapaport, Shaker Heights, Ohio. Cable stitch knitting. 2,461,204, Feb. 8.

Ford, Eugene A., Bedford, assignor to International Business Machines Corporation, New York, N. Y. Sorter pocket and chute blade construction. 2,461,418, Feb. 8.

Forgett, Valmore J., Ridgefield, N. J. Apparatus for developing photographic paper strips. 2,461,419, Feb. 8.

Forsythe, James A.: *See*—
Forsythe, William M., and J. A.

Forsythe, William M., and J. A. Forsythe, Dubach, La. Rope clamp. 2,461,206, Feb. 8.

Fortino, Frank A., Newark, N. J. Soap dabber. 2,461,319, Feb. 8.

Foster, David B.: *See*—
Bennett, John G., Foster, Greaves, Philpotts, Pirani, and Kramers.

Foster, Frank A., Melrose Park, assignor to The Goss Printing Press Company, Chicago, Ill. Stereotype plate casting box. 2,461,151, Feb. 8.

Foster, Thomas W. F., Temple City, assignor to The Permanente Metals Corporation, Oakland, Calif. Skimming device. 2,461,112, Feb. 8.

Foster Wheeler Corporation, assignee: *See*—
Rover, Richard H.

Fouse, Charles N., and W. H. A. Krieg, assignors to Kraftinator Products Limited, Preston, Ontario, Canada. Crankcase ventilator valve. 2,461,206, Feb. 8.

Fox, William P., Columbia, S. C. Pressing iron and stand. 2,461,264, Feb. 8.

Foxboro Company, The, assignee: *See*—
Bilyeu, Gerald L.
Cilley, Putnam.

Fraenkel-Conrat, Heinz L., and H. S. Olcott, Berkeley, Calif., assignors to the United States of America as represented by the Secretary of Agriculture. Preparation of isocyanate derivatives of proteins. 2,460,980, Feb. 8.

Francis, Harold E.: *See*—
Le Brasse, Gordon J., and Francis.

Francisco, William H.: *See*—
Hill, Henry C., and Francisco.

Francisco, William H., Jr., Bloomfield, N. J., E. C. Steiner, Dallas, Tex., and H. C. Hill, Pasadena, Calif., assignors to Wright Aeronautical Corporation. Pipe connection. 2,460,981, Feb. 8.

Frank, Frederick C.: *See*—
Marisic, Milton M., Schmitt, and Frank.

Free Sewing Machine Co., assignee: *See*—
Ivandick, Matthew G.

Freedman, Benjamin D., Winthrop, and S. Freedman, Brighton, Mass. Footpad. 2,461,047, Feb. 8.

Freedman, Samuel: *See*—
Freedman, Benjamin D., and Samuel.

Fréjacques, Jean L. M., assignor to Compagnie de Produits Chimiques et Electrometallurgiques Alais, Froges et Camarque, Paris, France. Separating aqueous azeotropic mixtures. 2,461,048, Feb. 8.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Electric switch. 2,460,818, Feb. 8.

Frese, Joseph F., assignor to The Monitor Controller Company, Baltimore, Md. Electric switch. 2,460,819, Feb. 8.

Freund, Dagobert S.: *See*—
Newman, Robert N., and Freund.

Friedman, Arthur H., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Fluid treatment equipment. 2,461,118, Feb. 8.

Frohring, Paul R.: *See*—
Tabor, Joseph M., Seibert, and Frohring.

Frowine, Von K., Kalamazoo, Mich. Mandibular cast positioner. 2,461,207, Feb. 8.

Fuller Manufacturing Company, assignee: *See*—
Trail, Herbert H.

Furness, William H, Haddonfield, N. J., assignor to American Viscose Corporation, Wilmington, Del. Drying and conditioning of yarns. 2,460,879, Feb. 8.

Gamble, Robert J., Milwaukee, Wis. Bicycle pedal. 2,461,049, Feb. 8.

Gardner, Thomas S., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose esters of amino acids. 2,461,152, Feb. 8.

Gates, Herbert H., Shrewsbury, Mass. Protected transformer circuit for high-voltage tubes. 2,461,265, Feb. 8.

Gay, Godwin R. F., Marblehead, Mass. Timing device. 2,461,266, Feb. 8.

Gaylor, Peter J., assignee: *See*—
Givens, Melvin.

Geiser, Harvey E., Mentor, and J. C. Geiser, Jr., Cleveland, Ohio. Universal attachment stand. 2,460,880, Feb. 8.

Geiser, John C., Jr.: *See*—
Geiser, Harvey E. and J. C., Jr.

General Aniline & Film Corporation, assignee: *See*—
Anish, Alfred W.
Barnes, Carl E., and Ney, Jr.
Easton, Russell P.
Haff, Richard M.
Jacobson, Carl H.
Kassuba, Frank J.
Beckmeyer, Verne H.
Thompson, Thomas E.

General Biochemicals, Inc., assignee: *See*—
Tabor, Joseph M., Seibert, and Frohring.

General Electric Company, assignee: *See*—
Bailey, Francis M.
Bassett, Merton O.
Drisko, John W.
Fisher, Sidney O.
Herskind, Carl C.
Jordan, John P.
Kline, Hasley W.
Ordas, Arthur F.
Stephenson, Hugh M.
Watson, Robert P.

General Fireproofing Company, The, assignee: *See*—
Purnell, Edward A.

General Mills, Inc., assignee: *See*—
Floyd, Don E.
Moe, Owen A.

General Motors Corporation, assignee: *See*—
Brown, William E.

General Paint Corporation, assignee: *See*—
Kraner, Warren A.

Getram Company, Inc., assignee: *See*—
Ellström, Nils O.

Gibson, Joseph A., Kimball, Nebr. Loose-leaf binder. 2,461,050, Feb. 8.

Gilpin, Garth G., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Extruded frame member. 2,460,982, Feb. 8.

Gilson, Clair A., Stuart, Fla. Rotary internal-combustion engine. 2,461,377, Feb. 8.

Girouard, Hervé A., Montreal, Quebec, Canada. Steam and hot-water boiler. 2,461,051, Feb. 8.

Givens, Melvin, Montclair, assignor to P. J. Gaylor and F. Laifer, both of Newark, N. J. Tire chain holder. 2,461,267, Feb. 8.

Goforth, Lula, Denver, Colo. Abdominal bandage. 2,461,208, Feb. 8.

Goldberg, Abraham G., Chestnut Hill, Mass. License plate mounting for vehicles. 2,461,114, Feb. 8.

Goldfield, Edwin R., University Heights, assignor to Picker X-Ray Corporation, Waite Manufacturing Division, Inc., Cleveland, Ohio. Four-way cable contact. 2,461,268, Feb. 8.

Goldsby, Arthur R., Beacon, assignor to Texaco Development Corporation, New York, N. Y. Manufacturing high antiknock synthesis gasoline. 2,461,153, Feb. 8.

Goldschmid, Kurt: *See*—
Bloch, Rudolf, Goldschmid, Schaerb, and Goldschmidt.

Goff, Milton R., Rochester, N. Y., assignor to the United States of America, as represented by the Secretary of War. Rocket holding device. 2,460,929, Feb. 8.

Gombosh, John, Pittsburgh, Pa. Casting. 2,461,052, Feb. 8.

Gookin, Sylvester L., Quincy, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastener attaching machine. 2,460,930, Feb. 8.

Goserud, Chester O., St. Paul, Minn. Door closer. 2,460,881, Feb. 8.

Goss Printing Press Company, The, assignee: *See*—
Foster, Frank A.

Gourdon, Dorine, assignor to The Barbizon Corporation, New York, N. Y. Lady's garment. 2,460,882, Feb. 8.

Grafex, Inc., assignee: *See*—
McCathron, Claude B.

Grampp, Harold J., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Waterproof shipping container. 2,461,209, Feb. 8.

Granat, Elie, Paris, France. Alternating current synchronous transmission. 2,461,053, Feb. 8.

Gray, William L., Wichita, Kans. Aircraft structural limit indicator. 2,461,210, Feb. 8.

Greaves, Charles D.: *See*—
Bennett, John G., Foster, Greaves, Philipotts, Pirani, and Kramers.

Green, Beulah M., San Francisco, Calif. Plant label mount. 2,461,054, Feb. 8.

Green, Lee B., Lakewood, Ohio. Broaching apparatus and method. 2,461,320, Feb. 8.

Greene, William A., Oxford, Mass. Drawbar construction for tractors. 2,461,269, Feb. 8.

Greenlie, David G.: *See*—
Habib, Emile E., and Greenlie.

Greitzer, Meyer, Los Angeles, Calif. Chair. 2,461,055, Feb. 8.

Gretsch, Fred., Manufacturing Company, The, assignee: *See*—
Gretsch, William W.

Gretsch, William W., Forest Hills, assignor to The Fred. Gretsch Manufacturing Company, Brooklyn, N. Y. Ocarina. 2,460,931, Feb. 8.

Grose, Frederick J., Cricklewood, London, assignor to S. Smith & Sons (England) Limited, London, England. Control device for multiple linearly movable members. 2,461,378, Feb. 8.

Gudgeon, H.: *See*—
Isaacs, E., and Gudgeon.

Guillemin, Ernst A., Wellesley, Mass., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Production of electric pulses. 2,461,321, Feb. 8.

Guth, Stern & Co., Inc., assignee: *See*—
Lippincott, Joshua G.

Guthrie, James M., Allison Park, assignor of one-fourth to J. S. Lear, Pittsburgh, Pa. Dispensing container. 2,461,211, Feb. 8.

Habib, Emile E., Arlington, and D. G. Greenlie, Wayland, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Balloon mold. 2,461,270, Feb. 8.

Habib, Emile E., Belmont, and D. G. Greenlie, Wayland, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacturing balloons. 2,461,271, Feb. 8.

Haddock, Norman H., and C. Wood, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Yellow azo dyestuffs. 2,460,932, Feb. 8.

Haff, Richard M., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Photographic process for converting black-and-white or monochrome pictures into multicolor pictures. 2,461,469, Feb. 8.

Hagopian, Vahan, New York, N. Y. Making containers. 2,460,820, Feb. 8.

Hale, Thomas A., assignor to Eastman Kodak Company, Rochester, N. Y. Benzilic acid soldering flux. 2,461,154, Feb. 8.

Hale, Thomas A., assignor to Eastman Kodak Company, Rochester, N. Y. Naphthoic acid soldering flux. 2,461,155, Feb. 8.

Hamilton, Lawrence E., Holly Hill, Fla. Binocular shutter mechanism. 2,461,379, Feb. 8.

Hamren, Joseph O., Minneapolis, Minn. Oscillating vane rotary pump. 2,460,821, Feb. 8.

Hanchett, George D., Jr., Millburn, N. J., assignor to Radio Corporation of America. Saving power. 2,460,883, Feb. 8.

Hanna, William T., Cincinnati, Ohio. Device for controlling the swing of trailer vehicles. 2,461,212, Feb. 8.

Hansen, Christine, Racine, Wis. Match book, vest pocket size. 2,461,380, Feb. 8.

Hanson, Edward S., Jr., Racine, Wis. Cam-actuated plier wrench with wedge adjustment. 2,461,272, Feb. 8.

Hanson-Van Winkle-Munning Company, assignee: *See*—
Friedman, Arthur H.

Harriman, Louis A.: *See*—
Josh, George, Harriman, and Hopkins.

Hart, Fred V., Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Leveling machine. 2,460,933, Feb. 8.

Hartford National Bank and Trust Company, assignee, trustee: *See*—
Ruhwandl, Dominicus G. S.

Hartmann, Max, Riehen, and H. Isler, Bottmingen, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Imidasolines and making same. 2,461,156, Feb. 8.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furan. 2,460,822, Feb. 8.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furans. 2,460,823, Feb. 8.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furans. 2,460,824, Feb. 8.

Hartough, Howard D., Pitman, N. J., and A. I. Kosak, Columbus, Ohio, assignors to Socony-Vacuum Oil Company, Incorporated. Acylating furan. 2,460,825, Feb. 8.

Hathaway, Claude M., Denver, Colo. Recording apparatus. 2,461,322, Feb. 8.

Haselton, George, Leicester, England, assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting machine. 2,460,934, Feb. 8.

Haseltine Research, Inc., assignee: *See*—
Fischman, Martin.
Loughlin, Bernard D.

Heaston, John W., Huntington Beach, Calif. Crankpin replacement bearing construction. 2,461,273, Feb. 8.

Heintz, Ralph M., assignor to Jack & Heintz Precision Industries, Inc., Cleveland, Ohio. Carburetor float mechanism. 2,461,274, Feb. 8.

Helbush, Herman H., assignee: *See*—
Wallace, Frank C.

Heltser, Harry: *See*—
Davis, Edward P., and Heltser.

Henderson, Scott W., assignor to V. P. Williams, doing business as C. I. Togstad Company, Kokomo, Ind. Leg and sleeve stretcher. 2,461,381, Feb. 8.

Henningsen, Emanuel J., Grand Rapids, Mich. Boat trailer combination. 2,460,935, Feb. 8.

Hercules Powder Company, assignee: *See*—
Grampp, Harold J.
Lorand, Eugene J.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler. 2,461,470, Feb. 8.

Herr Manufacturing Company, Inc., assignee: *See*—
Herr, Harvey E.

Hershberger, William D., Haddonfield, N. J., assignor to Radio Corporation of America. Distance measuring device. 2,461,213, Feb. 8.

Herskind, Carl C., Niskayuna, N. Y., assignor to General Electric Company. Pool-type electric discharge device. 2,461,275, Feb. 8.

Hess, Frederic O., Germantown, Pa., assignor to Selas Corporation of America. Airplane heater with altitude controlled combustion air feed. 2,460,983, Feb. 8.

Hess, Reiza J., assignor to American Steel Foundries, Chicago, Ill. Connecting rod and plunger connection. 2,461,056, Feb. 8.

Hetherington, Charles R., Bronxville, N. Y., assignor to California Research Corporation, San Francisco, Calif. Manufacture of soap-thickened compositions and apparatus therefor. 2,461,276, Feb. 8.

Heyne, Clarence A.: *See*—
Jackson, Albert S., and Heyne.

Higgins, James W.: *See*—
Piskur, Michael M., and Higgins.

Hilderbrand, Harry A.: *See*—
Weber, Henry.

Hill, Henry C.: *See*—
Francisco, William H., Jr., Steiner, and Hill.

Hill, Henry C., Montclair, and W. H. Francisco, Bloomfield, N. J., assignors to Wright Aeronautical Corporation. Pipe connection. 2,460,984, Feb. 8.

Hille, Guenther H., Lake, assignor to Ladish Co., Cudahy, Wis. Induction heater for use with pipe bending apparatus. 2,461,323, Feb. 8.

Hindle, Walter H.: *See*—
Croft, Cyril M., and Hindle.

Hintz, Harvey P.: *See*—
Schubert, Alvin E., and Hintz.

Hirschman, Arthur, Miami Beach, Fla. Skate. 2,461,057, Feb. 8.

Hjort, Carl I. F., Djursholm, and O. V. E. Jansa, Nockeby, Sweden. Mixing a plastic mass in a liquid. 2,460,884, Feb. 8.

Hlavaty, Rudolf F., assignee: *See*—
Truhlar, John, and Pantsios.

Hoenshell, Millard W., Kansas City, Mo. Gas burner construction. 2,461,420, Feb. 8.

Hoffmann-La Roche Inc., assignee: *See*—
Spiegelberg, Hans, and Bey-Bellet.

Hohl, John, R. K. Belnap, Jr., and H. A. Barnby, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Article conveying mechanism. 2,461,277, Feb. 8.

Hohmann, Albert F.: *See*—
Cooper, Benjamin, and Hohmann.

Holaday, Horace A., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y.: dedicator to the people of the United States. Standardization of therapeutic curare preparations. 2,461,278, Feb. 8.

Holcomb, Harry E.: *See*—
Modigliani, Piero, and Holcomb.

Holden, Lawrence T., Boston, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Shelf for electrical apparatus. 2,461,157, Feb. 8.

Holland Furnace Company, assignee: *See*—
Wilson, Robert.

Hollingsworth, Lowell M., Cambridge, and L. D. Smullin, Arlington, Mass., assignors, by mesne assignments, to the United States of America as represented by the Secretary of War. Radio protective device. 2,461,158, Feb. 8.

Holm, Curt F., Angby, and B. K. Engel, Nockeby, assignors to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Dewaxing oils. 2,461,116, Feb. 8.

Holms, Walter, assignor to Dexter Folder Company, Pearl River, N. Y. Folding machine. 2,461,214, Feb. 8.

Hooser, Hartman D., Big Springs, Tex., and W. Vomacka, U. S. Navy. Hole cutting device. 2,460,826, Feb. 8.

Hoover Company, The, assignee: *See*—
White, Harry B.

Hopkins, Erwin W.: *See*—
Josh, George, Harriman, and Hopkins.

Hoppe, Edgar B., assignor to St. Regis Paper Company, New York, N. Y. Multiply pasted end bag with sealed inner ply. 2,460,885, Feb. 8.

Hoppe, Edgar B., assignor to St. Regis Paper Company, Multiply pasted end bag. 2,460,886, Feb. 8.

Houston Corporation, The, assignee: *See*—
Houston, Herbert W.

Houston, Herbert W., Sherman Oaks, assignor to The Houston Corporation, Los Angeles, Calif. Camera dolly. 2,461,058, Feb. 8.

Howe Folding Furniture, Inc., assignee: *See*—
Schaus, Victor P.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Hydraulic circuit. 2,461,279, Feb. 8.

Huelster, Otto J., assignor to Scovill Manufacturing Company, Waterbury, Conn. Plastic button. 2,461,324, Feb. 8.

Hunter, George T. R., St. Louis, Mo. Railroad car truck bolster suspension. 2,461,382, Feb. 8.

Hurd, Charles D.: *See*—
Bonner, William A., and Hurd.

Hutchison, Miller R., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Pulldown mechanism for motion-picture projectors. 2,461,159, Feb. 8.

Hydraulic Dredging Company, assignee: *See*—
Cushing, Paul J., and Enright.

I. T. E. Circuit Breaker Company, assignee: *See*—
Scott, William M., Jr.

Imperial Chemical Industries Limited, assignee: *See*—
Haddock, Norman H., and Wood.
Isaacs, E., and Gudgeon.

International Business Machines Corporation, assignee: *See*—
Dickinson, Arthur H.
Ford, Eugene A.
Johnson, Reynold B.
Page, Ralph E., and Beattie.
Tholstrup, Henry L.

International Paper Company, assignee: *See*—
Bruckhauser, William K.

Isaacs, Elias, and H. Gudgeon, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Copolymers of alpha-acetaminoacrylates. 2,461,383, Feb. 8.

Isbell, William T., Herculaneum, Mo., assignor to St. Joseph Lead Company, New York, N. Y. Refining of lead. 2,461,280, Feb. 8.

Isler, Hans: *See*—
Hartmann, Max, and Isler.

Isley, Frank C., Washington, D. C. Testing radio echo equipment. 2,460,827, Feb. 8.

Ivandick, Matthew G., assignor to Free Sewing Machine Co., Rockford, Ill. Sewing machine. 2,460,828, Feb. 8.

Ivanovic, Nicholas, Philadelphia, Pa. Vibration insulating device. 2,460,829, Feb. 8.

Iversen, Norman H., Birmingham, Mich., assignor to Production Broaching Corporation. Chuck. 2,461,059, Feb. 8.

Jack & Heintz Precision Industries, Inc., assignee: *See*—Heintz, Ralph M.

Jackman, Walter P., Boonton, N. J., assignor to American Telephone and Telegraph Company. Portable coin collector for telephone systems. 2,460,936, Feb. 8.

Jackson, Albert S., Wood River, and C. A. Heyne, Alton, Ill., assignors to Owens-Illinois Glass Company. Machine for applying surface decorations to bottles and jars. 2,461,281, Feb. 8.

Jackson, James W., Toronto, Ontario, Canada. Tool for reconditioning valves. 2,460,985, Feb. 8.

Jacobson, Carl H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Lateral film edge pressure spring. 2,461,471, Feb. 8.

Jacobus, Winifred, New York, N. Y. Vanity case and the like. 2,461,421, Feb. 8.

Jansa, Oscar V. E.: *See*—
Hjort, Carl I. F.

Janser, Lorin H.: *See*—
Urschel, Bertis H., and Janser.

Jeffrey, Florence H. C., executrix: *See*—
Jeffrey, Robert K.

Jeffrey Manufacturing Company, The, assignee: *See*—
Jeffrey, Robert K.
Todd, Francis C.

Jeffrey, Robert K., deceased, by F. H. C. Jeffrey, executrix, Bexley, Ohio, assignor, by mesne assignments, to The Jeffrey Manufacturing Company. Hydraulic system for controlling the operation of rotary hydraulic motors. 2,461,116, Feb. 8.

Jenny, Robert W., East Paterson, N. J., assignor to Curtiss-Wright Corporation. Helicopter engine suspension. 2,461,422, Feb. 8.

Jerome, Arthur L.: *See*—
Johnston, Allan T., and Jerome.

Jobst, Conrad, assignor, by mesne assignments, to Owens-Illinois Glass Company, Toledo, Ohio. Injector mechanism for molding machines. 2,461,282, Feb. 8.

Johns-Manville Corporation, assignee: *See*—
Koehne, Frank J.
Modigliani, Piero, and Holcomb.
Ximenez, Manuel R., Ferguson, and Bunce.

Johnson, George, assignee: *See*—
Spicer, Manford, Jr.

Johnson, Reynold B., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Projection apparatus for training mechanisms. 2,461,423, Feb. 8.

Johnston, Allan T., Mount Lebanon, and A. L. Jerome, Edgewood, assignors to The Union Switch & Signal Company, Swissvale, Pa. Polarized control apparatus. 2,461,060, Feb. 8.

Jones, Basil E., Flossmoor, and J. E. Stanley, assignors to The Pullman Company, Chicago, Ill. Vehicle heating arrangement. 2,461,424, Feb. 8.

Jones, Theodore C., Louisville, Ky. Electrolytic water purifier. 2,461,325, Feb. 8.

Jordan, John P., Scotia, N. Y., assignor to General Electric Company. High-frequency heating regulator. 2,461,283, Feb. 8.

Josh, George, Crown Point, Ind., and L. A. Harriman, Chicago, and E. W. Hopkins, Hinsdale, assignors to Armour and Company, Chicago, Ill. Drying eggs. 2,460,986, Feb. 8.

Joyce, Maurice, Port Washington, N. Y. Toilet seat cover. 2,461,160, Feb. 8.

Judge, Samuel J., Rochester, N. Y. Wire clip combining scarf and coat. 2,461,216, Feb. 8.

Kallmann, Heinz E., New York, N. Y., assignor, by mesne assignments, to the United States of America as represented by the Secretary of the Navy. Equalized delay line. 2,461,061, Feb. 8.

Kane, Catherine B., Greenwich, Conn. Sanitary mattress. 2,461,062, Feb. 8.

Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Mixing and separating apparatus. 2,460,987, Feb. 8.

Kantor, James, and E. Marovits, assignors to The Liquid Carbonic Corporation, Chicago, Ill. Filler valve for container filling machines. 2,461,326, Feb. 8.

Karson, Samuel, Cleveland, Ohio. Guard rail for perambulators. 2,461,063, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing a mixture of formamide and glycerol-α-chlorohydrin. 2,461,472, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,473, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,474, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing ascorbic acid (vitamin C). 2,461,475, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing lactones or hydroxy lactones. 2,461,476, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions containing an unsaturated lactone. 2,461,477, Feb. 8.

Kaszuba, Frank J., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Gelatin subbing compositions having antistatic properties. 2,461,478, Feb. 8.

Kauffman, Marie E.: *See*—
Damschroeder, Rudolph E., and Kauffman.

Kaufman, Ralph G., New York, N. Y. Pipe smoker's dibbler. 2,460,937, Feb. 8.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,461,496, Feb. 8.

Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,461,497, Feb. 8.

Keevil, Henry W.: *See*—
Barnes, Walter C., and Keevil.

Kellogg, M. W., Company, The, assignee: *See*—
Trumpler, Paul R.

Kelly, Edwin R. L., Neuse, N. C. Tractor-mounted timber sawing apparatus. 2,461,384, Feb. 8.

Kelly, Frederick G., assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electrical measuring system. 2,461,425, Feb. 8.

Kemler, Emory N.: *See*—
Smith, Marvin M., and Kemler.

Kemmet, Reinhold, Everett, Wash. Lock bolt. 2,461,284, Feb. 8.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacturing motor fuel. 2,461,064, Feb. 8.

Kemp, Lebbeus C., Jr., Scarsdale, assignor to The Texas Company, New York, N. Y. Manufacturing motor fuel. 2,461,065, Feb. 8.

Kent, Henry J., Toronto, Ontario, Canada. Shock absorber. 2,461,066, Feb. 8.

Kiefer, William R., assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.

Kilinski, Stanley, Brooklyn, N. Y., assignor to Baltimore Paper Company, Kansas City, Mo. String closure affixing machine. 2,461,327, Feb. 8.

King, James T., Burbank, Calif. Razor blade sharpener. 2,461,161, Feb. 8.

King, Vernon M., Bakersfield, Calif. Safety strike plate and release bar. 2,461,426, Feb. 8.

Kleber, Samuel L., assignor to Kleber Trunk & Bag Company, Pittsburgh, Pa. Wardrobe case for men's suits and women's dresses on hangers. 2,461,216, Feb. 8.

Kleber Trunk & Bag Company, assignee: *See*—
Kleber, Samuel L.

Kleen Refrigerator, Inc., assignee: *See*—
Af Kleen, Nils E.

Kleintop, Harold E., Parkesburg, Pa. Motion-picture titler. 2,461,285, Feb. 8.

Kline, Halsey W., Schenectady, N. Y., assignor to General Electric Company. Radio-frequency bridge. 2,461,286, Feb. 8.

Knam, Francis E., assignor, by mesne assignments, of thirty one-hundredths to E. E. Roemer, thirty-five one-hundredths to L. E. Roemer, twenty-five one-hundredths to W. R. Kiefer, and ten one-hundredths to J. E. Tompkins, Cleveland, Ohio. Multiconductor electric harness. 2,460,830, Feb. 8.

Kneebone, Lincoln, Dundee, Ill. Tension absorber. 2,461,427, Feb. 8.

Knight, Claude L.: *See*—
Wormell, Robert L., Millidge, and Knight.

Kobe, Inc., assignee: *See*—
Coberly, Clarence J., Jr.

Koebner, Adolf: *See*—
Oxley, Peter, Robson, Koebner, and Short.

Koehne, Frank J., Martinsville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Method and apparatus for cleaning asbestos. 2,460,938, Feb. 8.

Koinzan, Walter J., Elgin, Nebr. Oil filter. 2,460,888, Feb. 8.

Koopman, Kenneth H., Kenmore, N. Y., assignor to Union Carbide & Carbon Corporation. Welding flux. 2,460,988, Feb. 8.

Kosak, Alvin I.: *See*—
Hartough, Howard D., and Kosak.

Kovacs, George J., Walled Lake, Mich. Method and apparatus for molding. 2,460,831, Feb. 8.

Kralinator Prducts Limitied, assignee: *See*—
Fouse, Charles N., and Krieg.

Kramers, William J.: *See*—
Bennett, John G., Foster, Greaves, Philipotts, Pirani, and Kramers.

Kraner, Warren A., assignor to General Paint Corporation, San Francisco, Calif. Pipe-cleaning machine. 2,460,989, Feb. 8.

Krats, John A., Yonkers, N. Y., and H. G. Thoma, Rutherford, N. J., assignors to The Linde Air Products Company. Automatic electric fusion welding apparatus and process. 2,460,990, Feb. 8.

Krieg, Walter H. A.: *See*—
Fouse, Charles N., and Krieg.

Kris, Joseph J., Jr., assignor of one-half to P. H. Bombach, Chicago, Ill. Egg breaker. 2,460,887, Feb. 8.

Krieger, John, assignor to The Edwal Laboratories, Inc., Chicago, Ill. Preparation of symmetrical triaminobensene compounds. 2,461,498, Feb. 8.

Kuhl, Frederick A.: *See*—
Boucher, Charles P., and Kuhl.

Ladish Co., assignee: *See*—
Hille, Guenther H.

La Follette, John W., Denver, Colo. Apparatus for resoling rubber boots and the like. 2,460,832, Feb. 8.

Lagreid, Magnus, and J. H. McGuire, Minneapolis, Minn. Packing retainer for journal boxes. 2,461,287, Feb. 8.

Laifer, Fred, assignee: *See*—
Givens, Melvin.

Laird, Elmer R., assignor to Armour and Company, Chicago, Ill. Can washing machine. 2,461,162, Feb. 8.

La Lande, William A., Jr., Upper Darby, assignor to Attapulgus Clay Company, Philadelphia, Pa. Production of invert sugar. 2,461,163, Feb. 8.

Lamb, Lucy A., Cleveland Heights, Ohio. Hose coupling. 2,460,833, Feb. 8.

Lamm, Uno, Ludvika, assignor to Allmänna Svenska Elektriska Aktiebolaget, Vasteras, Sweden. Ignition device for ionic valves. 2,461,428, Feb. 8.

Lancaster Processes, Inc., assignee: *See*—
Banbury, Fernley H., Comes, and Schnuck.

Landis & Gyr, A. G., assignee: *See*—
Pudelko, Richard, and Moos.

Landon, Walter S., assignor to Detroit Lubricator Company, Detroit, Mich. Controlling means and system. 2,461,328, Feb. 8.

Landwehr, Richard F., Laurelton, Long Island, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 2,461,329, Feb. 8.

Landwehr, Richard F., Laurelton, Long Island, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Lighter. 2,461,330, Feb. 8.

Lapsley, Robert, Berrien Springs, assignor to Clark Equipment Company, Buchanan, Mich. Transmission control system. 2,461,218, Feb. 8.

Lapsley, Robert, Berrien Springs, and B. L. Mills, assignors to Clark Equipment Company, Buchanan, Mich. One-way brake for torque converters. 2,461,217, Feb. 8.

Larsen, Earl I., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Ejector type welding electrode holder. 2,460,889, Feb. 8.

Larson, Karl O., Minneapolis, Minn. Continuously extensible, retractable, and collapsible structure. 2,461,429, Feb. 8.

Lasky, Carl O., Plainville, Conn. Work-holding means. 2,460,890, Feb. 8.

Lear, John S., assignee: *See*—
Guthrie, James M.

Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Atomized metal. 2,460,991, Feb. 8.

Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Atomising metal. 2,460,992, Feb. 8.

Le Brasse, Gordon J., Ann Arbor, and H. E. Francis, assignors to Federal-Mogul Corporation, Detroit, Mich. Apparatus for atomising metal. 2,460,993, Feb. 8.

Leesemann, Charles J. G., Baytown, Tex., assignor, by mesne assignments, to Standard Oil Development Company, Elizabeth, N. J. Dehydrogenation of hydrocarbons in the presence of a gaseous diluent. 2,461,331, Feb. 8.

Leonard, John T., Evanston, Ill. Lubricant compressor. 2,461,332, Feb. 8.

Leviton, Abraham, Washington, D. C., assignor to the United States of America as represented by the Secretary of Agriculture. Separation of proteins from milk products. 2,460,891, Feb. 8.

Lew, Harold, Brooklyn, N. Y. Knockdown sheet metal cabinet. 2,461,219, Feb. 8.

Lewis, Farral F. Houma, La. Wear indicating attachment for drilling-bits. 2,461,164, Feb. 8.

Lewis, Richard O., Los Angeles, Calif. Liquid fertilizer apparatus. 2,461,067, Feb. 8.

Libby, McNeill & Libby, assignee: *See*—
Stanton, Earl G.

Lindow, Rudolph F.: *See*—
Miller, Arthur E., Vivall, and Lindow.

Lindstrom, Charles M., East Greenwich, R. I., assignor, by mesne assignments, to Bostitch, Inc. Magazine for fastener applying. 2,461,165, Feb. 8.

Linde Air Products Company, The, assignee: *See*—
Krats, John A., and Thoma.

Lindgren, Hans O., Appelviken, assignor to Aktiebolaget Separator, Stockholm, Sweden. Producing butter by cooling cream of high concentration. 2,461,117, Feb. 8.

Line Material Company, assignee: *See*—
Amundson, Roald H.

Lippincott, Joshua G., Scarsdale, N. Y., assignor to Guth, Stern & Co., Inc. Flashlight torch. 2,461,118, Feb. 8.

Liquid Carbonic Corporation, The, assignee: *See*—
Kantor, James, and Marovitz.

Lisle, Wade H., Kansas City, assignor to Crook Paper Box Company, North Kansas City, Mo. Box shaping machine. 2,460,892, Feb. 8.

Litchfield Manufacturing Company, assignee: *See*—
Packer, Gordon W.

Little, Alfred E., assignor to Busch Precision Camera Corporation, Chicago, Ill. Photographic film pack adapter. 2,460,994, Feb. 8.

Livermon, Carl R., Roxobel, N. C. Aircraft landing gear. 2,461,288, Feb. 8.

Lockwood, Lee, Des Moines, Iowa. Downdraft stove. 2,461,068, Feb. 8.

Logston, Robert, assignee: *See*—
Mozingo, Guy K.

Logue, Leland H., Denver, Colo., assignor, by mesne assignments, to Mining Process and Patent Company. Settling method and apparatus. 2,460,834, Feb. 8.

Logue, Regina K., Philadelphia, Pa. Article of furniture. 2,461,385, Feb. 8.

Lorand, Eugene J., assignor to Hercules Powder Company, Wilmington, Del. Separation of polyhydric alcohols. 2,461,220, Feb. 8.

Lott, William A., Maplewood, J. Bernstein, and B. Sterns, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Bis-glycolic acid amides of 2,6-diamino-pyridines, and preparing them. 2,461,119, Feb. 8.

Loughlin, Bernard D., Bayside, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Signal generator. 2,461,120, Feb. 8.

Lovins, Gerald H., Silver Spring, Md., assignor, by mesne assignments, to American Instrument Co., Inc. Level device employing a light reflecting liquid surface as a horisontal reference surface. 2,460,836, Feb. 8.

Luboshez, Benjamin E., assignor to Eastman Kodak Company, Rochester, N. Y. Instrument for testing the accuracy of the angle between two prism faces. 2,461,166, Feb. 8.

Ludwig, Walter, assignor to L. A. Young Spring & Wire Corporation, Detroit, Mich. Making yokes for garment hangers. 2,460,939, Feb. 8.

Luts, Samuel G., Washington, D. C. Electrical insulation testing apparatus. 2,460,835, Feb. 8.

Maccaferri, Mario, Rye, N. Y. Clothespin. 2,461,333, Feb. 8.

MacCutcheon, Edward M., Jr., Arlington, Va., D. F. Windenburg, Chevy Chase, Md., and S. K. Smith, Seattle, Wash. Arresting the cracking of the plates of welded ships. 2,460,893, Feb. 8.

Machine Tool Works Oerlikon Administration Company, assignee: *See*—
Weiss, Albert.

Mack, Theresa G., Pennsauken, N. J. Combination greeting card and bib. 2,461,430, Feb. 8.

Maeser, Mieth, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Method of and apparatus for treating shoes with steam and hot air. 2,460,940, Feb. 8.

Magnavox Company, The, assignee: *See*—
Clark, Richard U.

Magnesium Elektron Limited, assignee: *See*—
Murphy, Alfred J., and Payne.

Major, Ralph M., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Liquid treating unit. 2,461,334, Feb. 8.

Malhiot, Clarence J., Oak Park, assignor to F. B. Redington Co, Chicago, Ill. Conveyer and transfer mechanism. 2,461,167, Feb. 8.

Mallory, P. R., & Co., Inc., assignee: *See*—
Larsen, Earl I.
Peck, Gordon V.

Malone, Homer E., assignor to Perfex Corporation, Milwaukee, Wis. Snap switch. 2,460,837, Feb. 8.

Mancuso, Joseph P., Jamesburg, N. J. Developing tank for 35 mm. film. 2,461,289, Feb. 8.

Margolin, Meyer, Elgin, Ill. Shoe outsole. 2,460,838, Feb. 8.

Margulies, Lazar, New York, N. Y. Pencil holder. 2,461,221, Feb. 8.

Marisic, Milton M., Woodbury, and A. C. Schmitt, Wenonah, N. J., and F. C. Frank, Philadelphia, Pa., assignors to Socony-Vacuum Oil Company, Incorporated. Simultaneous catalytic cracking and desulfurization of hydrocarbons. 2,461,069, Feb. 8.

Markem Machine Company, assignee: *See*—
Putnam, David F., and Robbins.

Markham, Thomas A., Dallas, assignor of forty-nine per cent to J. J. Smith, Garland, Tex. Fluid pump. 2,461,121, Feb. 8.

Marovitz, Edward: *See*—
Kantor, James, and Marovitz.

Marriott, Robert H., London, and W. W. Myddleton, New Malden, England. Reaction of stillboestrol with camphor. 2,460,941, Feb. 8.

Marshall, Angela, Adel, Iowa. Collapsible headrest. 2,460,942, Feb. 8.

Marshall Field & Company, assignee: *See*—
Medbery, E. W.

Martinovich, Nicholas, Berlin Center, Ohio. Automatic manure conveyer. 2,460,894, Feb. 8.

Materials Handling Laboratories, assignee: *See*—
Moffat, Alexander W.

Matheny, David, New Brighton, Pa. Golf cup. 2,461,386, Feb. 8.

Maynard, Ernest W., Brooklyn, N. Y., and L. P. Di Giacomo, Jersey City, N. J., assignors to American Home Products Corporation, New York, N. Y. Bottle chute. 2,461,290, Feb. 8.

McCarthy, Thomas O., United States Navy. Radio direction finder. 2,460,798, Feb. 8.

McCathron, Claude B., assignor to Graflex, Inc., Rochester, N. Y. View finder for photographic cameras. 2,461,499, Feb. 8.

McDermott, Carl, Freehold, N. J. Rotor brake and spinner lever. 2,460,839, Feb. 8.

McDonough, Everett G., assignee: *See*—
Winkel, Fred M.

McGuire, John H.: *See*—
Lagreid, Magnus, and McGuire.

McIlvaine, Oran T., St. Charles, Ill. Resonant spark plug. 2,461,168, Feb. 8.

McKee, Harry H., assignor to Swift & Company, Chicago, Ill. Manufacture of dried meat. 2,461,291, Feb. 8.

McKinney, Leonard L., Peoria, Ill., assignor to The United States of America as represented by the Secretary of Agriculture. Process to produce a stabilized protein-formaldehyde dispersion. 2,461,070, Feb. 8.

McQuitty, Roy M., Richmond Heights, Mo. Aim indicator. 2,461,122, Feb. 8.

Mead Specialties Company, Inc., assignee: *See*—
Mead, Theodore E.

Mead, Theodore E., Wilmette, Ill., assignor to Mead Specialties Company, Inc. Work holder. 2,461,292,

Meany, Thomas E., Chicago, Ill. Joint protector. 2,460,895, Feb. 8.

Medbery, Edward W., Arlington Heights, assignor to Marshall Field & Company, Chicago, Ill. Cloth roll attachment for lace looms. 2,461,387, Feb. 8.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Accumulator injection system. 2,461,222, Feb. 8.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Arrangement for fuel injection in a free-piston unit. 2,461,223, Feb. 8.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Overstroke control for free-piston units. 2,461,224, Feb. 8.

Meitzler, Donald E., Manchester, assignor to United Aircraft Corporation, East Hartford, Conn. Constant stroke mechanism for free-piston compressors. 2,461,225, Feb. 8.

Meltzer, Jack, New York, N. Y. Making slip lasted welt shoes. 2,461,226, Feb. 8.

Metal Hydrides Incorporated, assignee: *See*—
Alexander, Peter R.

Metal and Thermit Corporation, assignee: *See*—
Rollason, Ernest C.

Mettenleiter, Michael W., New York, N. Y. Handbag holder or the like. 2,461,071, Feb. 8.

Mewherter, Frank W., and E. E. Smith, Raeford, N. C. Skipperproof meat case. 2,461,227, Feb. 8.

Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Composition for blackening copper and copper alloy surfaces. 2,460,896, Feb. 8.

Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Rendering aluminum and aluminum alloy surfaces corrosion resistant. 2,460,897, Feb. 8.

Meyer, Walter R., Hamden, assignor, by mesne assignments, to Enthone, Inc., New Haven, Conn. Process and composition for coloring copper and copper alloy surfaces. 2,460,898, Feb. 8.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Organometallic compound. 2,461,335, Feb. 8.

Mikeska, Louis A., Westfield, N. J., assignor to Standard Oil Development Company. Manufacture of glutaric acid. 2,461,336, Feb. 8.

Miles, Donald L., Detroit, Mich., assignor to American Chemical Paint Company, Ambler, Pa. Method of and material for preparing stanciferous surfaces for electroplating. 2,461,228, Feb. 8.

Miller, Arthur E., and G. K. Viall, Milwaukee, and R. F. Lindow, Wauwatosa, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for constructing vibration-compacted concrete slabs. 2,461,500, Feb. 8.

Miller, Clarence W., Chicago, Ill. Combination safety chair and table. 2,461,123, Feb. 8.

Miller, Donald J., assignor to American Anode Inc., Akron, Ohio. Meteorological balloon or similar article and making the same. 2,461,072, Feb. 8.

Miller, Donald L., Pine City, N. Y., assignor to Bendix Aviation Corporation, Electromagnetic pump. 2,461,501, Feb. 8.

Miller, Edith M.: *See*—
Miller, Swift.

Miller, Edwin A., Fairfield, Conn. Power transmission belt. 2,461,169, Feb. 8.

Miller, Raymond J., Detroit, Mich. Ignition circuit. 2,461,293, Feb. 8.

Miller, Swift, Milwaukee, Wis.; E. M. Miller, executrix of said S. Miller, deceased, assignor, by decree of distribution to E. M. Miller. Fuse-plug type circuit breaker. 2,461,338, Feb. 8.

Millheam, Theodore F., Beloit, Wis. Chamfering tool. 2,461,431, Feb. 8.

Millidge, Alfred F.: *See*—
Wormell, R. L., and Millidge, and Knight.

Mills, Burton L.: *See*—
Lapsley, Robert and Mills.

Mills, Irwin F., assignee: *See*—
Dirand, Louis J.

Minco Products Corp., assignee: *See*—
Minkow, Robert.

Mining Process and Patent Company, assignee: *See*—
Logue, Leland H.

Minkow, Robert, assignor to Minco Products Corp., New York, N. Y. Gluing machine. 2,461,388, Feb. 8.

Minnesota Mining & Manufacturing Company, assignee: *See*—
Davis, Edward P., and Heltzer.
Taylor, Nelson W., and Murray.

Miskimen, Carl W., Seattle, Wash. Pipe joint. 2,461,337, Feb. 8.

Missouri Meerschaum Company, assignee: *See*—
Rettke, Julius L., and Otto.

Mitchell, David T., Decatur, Ill. Laboratory circulating evaporator. 2,461,389, Feb. 8.

Mitchell, John E., Company, assignee: *See*—
Mitchell, Orville.

Mitchell, Orville, assignor to John E. Mitchell Company, Dallas, Tex. Air conditioning device for beds. 2,461,432, Feb. 8.

Mockabee, John W., United States Army, Washington, D. C. Handle lock for hinged handle utensils. 2,460,840, Feb. 8.

Modigliani, Piero, Manhasset, N. Y., and H. E. Holcomb, Stratford, Conn., assignors to Johns-Manville Corporation, New York, N. Y. Mat formation. 2,460,899, Feb. 8.

Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Cyanoethyl ethers of galactomannan and glucomannan gums. 2,461,502, Feb. 8.

Moffat, Alexander W., assignor to N. L. Cahners, doing business as Materials Handling Laboratories, Boston, Mass. Temporary support for use in loading pallets or the like. 2,461,479, Feb. 8.

Mohler, James B.: *See*—
Schaefer, Ralph A., and Mohler.

Monitor Controller Company, The, assignee: *See*—
Freese, Joseph F.

Montague, Esther P., Arlington, Va. Umbrella pocket and umbrella. 2,461,390, Feb. 8.

Moos, Paul: *See*—
Pudelko, Richard, and Moos.

Morey, Leon P., assignor to Eastman Kodak Company, Rochester, N. Y. Centering support. 2,461,171, Feb. 8.

Morey, William L., Melrose, and R. A. Taylor, Newburyport, Mass. Projection and plotting device. 2,460,841, Feb. 8.

Morretta, Jack J., Scarsdale, N. Y. Tricurler. 2,461,170, Feb. 8.

Morris, Rupert C., Berkeley, J. L. Van Winkle, San Lorenzo, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Unsaturated thioethers of cyclic sulfones. 2,461,339, Feb. 8.

Morris, Rupert C., Berkeley, and J. L. Van Winkle, San Lorenzo, assignors to Shell Development Company, San Francisco, Calif. Polyalkylated cyclic sulfone halohydrins. 2,461,340, Feb. 8.

Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Secondary sulfolanyl amines. 2,461,341, Feb. 8.

Mortenson, Carl W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl alcohol plasticized with an amine adduct of butadiene cyclic sulfone. 2,460,995, Feb. 8.

Mostek, Jerome L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Production of 3-chloro methacrylonitrile. 2,460,996, Feb. 8.

Moulton, Arthur C.: *See*—
Moulton, George B., and A. C.

Moulton, George B., and A. C. Moulton, Newfield, Maine. Telescoping tractor boom. 2,461,433, Feb. 8.

Moulton, Reginald F., Canton, Ohio. Mechanism applicable to rotary pumps, motors, etc. 2,461,073, Feb. 8.

Mount Hope Machinery Company, assignee: *See*—
Robertson, John D.

Moyers, Eunice, Washington, D. C. Folding mechanical pillow. 2,461,434, Feb. 8.

Moyle, Clarence L.: *See*—
Britton, Edgar C., White, and Moyle.

Mosingo, Guy K., assignor of twenty-five per cent to O. T. Olden and twenty-five per cent to R. Logston, Ashtabula, Ohio. Hose coupling. 2,461,074, Feb. 8.

Muncie Gear Works, Inc., assignee: *See*—
Smith, Marvin M., and Kemler.

Murphy, Alfred J., Petts Wood, and R. J. M. Payne, New Malden, assignors to Magnesium Elektron Limited, London, England. Producing magnesium base alloys. 2,461,229, Feb. 8.

Murphy, Edward B., Linden, N. J., and S. Segal, New York, N. Y., assignors to Wilson-Jones Company, Chicago, Ill. Paper trimmer. 2,460,842, Feb. 8.

Murray, Robert C.: *See*—
Taylor, Nelson W., and Murray.

Mussy, Elisabeth D., San Francisco, Calif. Taper holder and snuffer. 2,461,124, Feb. 8.

Myddleton, William W.: *See*—
Marriott, Robert H., and Myddleton.

Myers, Donald C., Dallas, Tex. Clothes hanger assembly. 2,460,997, Feb. 8.

Nathan, Ellis, assignor to Pennsylvania Pump & Compressor Company, Easton, Pa. Seal for gas compressors. 2,461,294, Feb. 8.

National Cabinet Company, assignee: *See*—
Christopherson, Raymond.

National Cylinder Gas Company, assignee: *See*—
Candy, Albert M.

National Inventions Corporation, assignee: *See*—
Boucher, Charles P., and Kuhl.

National Starch Products Inc., assignee: *See*—
Caldwell, Carlyle G.

Navy, United States of America as represented by the Secretary of the, assignee: *See*—
Guillemin, Ernst A.
Kallmann, Heinz E.
Stephenson, Richard G., and Bush.

Naylor, William E., Ridgefield Park, assignor to Bendix Aviation Corporation, Teterboro, N. J. Pressure responsive indicating device. 2,461,075, Feb. 8.

Neeson, Charles R., Oakwood, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Oil pressure safety control. 2,461,076, Feb. 8.

Nelson, Harley E., Park Ridge, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc. Method of coating paper. 2,460,998, Feb. 8.

Nelson, William W., Belmont, Mass. Neck straightening device for musical instruments. 2,460,943, Feb. 8.

Nergaard, Leon S., Princeton, N. J., assignor to Radio Corporation of America. Electron discharge device utilizing cavity resonators. 2,461,125, Feb. 8.

Newbold, William H., Langhorne, assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Wide-band superheterodyne receiver. 2,460,900, Feb. 8.

Newman, Joseph M., Toronto, Ontario, Canada. Vegetable and fruit shredding device. 2,460,901, Feb. 8.

Newman, Robert J., Enfield, and D. S. Freund, assignors of one-third to E. A. Baker, London, England. Labelling machine. 2,461,295, Feb. 8.

Newmann, Charles A., and H. H. Baca, Corpus Christi, Tex. Fluid propelled and controlled aircraft. 2,461,435, Feb. 8.

New York Air Brake Company, The, assignee: *See*—
Huber, Matthew W.

Ney, William O., Jr.: *See*—
Barnes, Carl E., and Ney, Jr.

Nicholson, Frank H., Penn Township, Allegheny County, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded signaling system. 2,461,077, Feb. 8.

Nighthart, George E., Lewistown, Pa. Bicycle holding fixture. 2,460,944, Feb. 8.

Nighthart, George E., Lewistown, Pa. Bicycle servicing fixture. 2,460,945, Feb. 8.

Nilson, James H., Wilmette, and V. C. Westberg, assignors to Sun Electric Corporation, Chicago, Ill. Tachometer generating apparatus. 2,460,999, Feb. 8.

Nixon, Alan C.: *See*—
Shiras, Russell N., Nixon, and Deal, Jr.

Obert, Maximillian J., North Merchantville, N. J., assignor to Radio Corporation of America. Deflecting coil. 2,461,230, Feb. 8.

Obreiter, Joseph W., Jr., Glen Ridge, N. J. Removal of liquid refrigerant from the supply line to a compressor. 2,461,342, Feb. 8.

Odor, Ralph K., Edmond, assignor to The Vornado Trust, Oklahoma City, Okla. Propeller. 2,460,902, Feb. 8.

Offen, Arthur, assignor to Offen & Company Limited, South Nutfield, England. Cutting tool. 2,461,436, Feb. 8.

Offen & Company, Limited, assignee: *See*—
Offen, Arthur.

Ogorzaly, Henry J., Summit, N. J., and A. Voorhies, Jr., Baton Rouge, La., assignors to Standard Oil Development Company. Contacting gaseous fluids and solid particles. 2,461,343, Feb. 8.

Ohio Crankshaft Company, The, assignee: *See*—
Somes, Howard E.

Ohio Ferror-Alloys Corporation, assignee: *See*—
Prits, Lawrence G.

Olcott, Harold S.: *See*—
Fraenkel-Conrat, Heinz L., and Olcott.

Olden, Orville T., assignee: *See*—
Mosingo, Guy K.

Olson, Harry F., Princeton, N. J., assignor to Radio Corporation of America. Signal transmission and receiving apparatus. 2,461,344, Feb. 8.

Oppenheim, Ralph, Brooklyn, N. Y. Winding machine. 2,461,231, Feb. 8.

Ordas, Arthur F., Huntertown, Ind., assignor to General Electric Company. Dynamoelectric machine core member. 2,461,296, Feb. 8.

Osterhaus, Joseph F., Independence, Iowa. Drive transmission for garden tractors. 2,461,391, Feb. 8.

Otto, Edmund H.: *See*—
Rettke, Julius L., and Otto.

Ours, Statoon R., U. S. Navy. Airplane flight safety device. 2,460,843, Feb. 8.

Overturf, William K., San Diego, Calif. Resettable circuit breaker. 2,461,126, Feb. 8.

Owens-Illinois Glass Company, assignee: *See*—
Ball, Charles O., and Scott.
Hohl, John, Belnap, and Barnby.
Jackson, Albert S., and Heyne.
Jobst, Conrad.

Oxley, Peter, T. D. Robson, A. Koebner, and W. F. Short, assignors to Boots Pure Drug Company Limited, Nottingham, England. Manufacture of nitriles. 2,461,437, Feb. 8.

Packer, Gordon W., assignor to Litchfield Manufacturing Company, Litchfield, Mich. Playground slide. 2,461,345, Feb. 8.

Packwood, George H., Jr., St. Louis, Mo. Dispenser support. 2,461,000, Feb. 8.

Paddle Pumps, Inc., assignee: *See*—
Simer, Jerome, and Cook.

Page, Herbert E., Alhambra, Calif. Clothes washing and extracting machine. 2,461,078, Feb. 8.

Page, Ralph E., West Orange, and H. S. Beattie, East Orange, N. J., assignors to International Business Machines Corporation New York, N. Y. Record controlled accounting machine. 2,461,438, Feb. 8.

Palen, Peter H., Paterson, N. J., assignor to Wright Aeronautical Corporation. Torque meter. 2,461,001, Feb. 8.

Pantsios, Anthan A.: *See*—
Truhlar, John, and Pantsios.

Paper Patents Company, assignee: *See*—
Weyenberg, John T.

Parmentier, Charles W.: *See*—
Philp, William J., and Parmentier.

Parr, Josephus O., Jr., assignor to O. S. Petty, San Antonio, Tex. Seismic surveying. 2,461,173, Feb. 8.

Parry, Edward C., Ferndale, Wash. Automatic vent. 2,461,392, Feb. 8.

Patelhold Patenlverwertungs-& Elektro-Holding A.-G., assignee: *See*—
Steinmann, Willy.

Patterson, John A., Beverly, N. J., assignor to Standard Oil Development Company. Separation of hydrocarbons. 2,461,346, Feb. 8.

Paxton, William A., Detroit, Mich. Flush type latching device. 2,461,393, Feb. 8.

Payne, Ronald J. M.: *See*—
Murphy, Alfred J., and Payne.

Pearson, Frank G., Delaware County, Pa., assignor to American Viscose Corporation, Wilmington, Del. Acrylonirtile-vinylidene chlorofluoride copolymers. 2,460,844, Feb. 8.

Pearson, John H.: *See*—
Calfee, John D., and Pearson.

Peck, Gordon V., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Motor starting capacitor assembly. 2,460,903, Feb. 8.

Pelzer, Harry L., Steger, Ill., assignor to Sinclair Refining Company, New York, N. Y. Pyrolytic conversion of hydrocarbons. 2,461,172, Feb. 8.

Pennsylvania Pump & Compressor Company, assignee: *See*—
Nathan, Ellis.

Pentecost, Horace T., Renton, near Seattle, Wash. Helicopter adapted to be attached to a pilot. 2,461,347, Feb. 8.

Pentecost, Horace T., Renton, near Seattle, Wash. Helicopter of the coaxial wing type. 2,461,348, Feb. 8.

People in the Territory of the United States, dedicated to the free use of the, assignee: *See*—
Flynn, Theodore P., and Coldwell.
Holaday, Horace A.

Perfex Corporation, assignee: *See*—
Malone, Homer E.

Perkins, Albert G., Warsaw, N. Y. Alarm device for milking machines. 2,461,439, Feb. 8.

Permanente Metals Corporation, The, assignee: *See*—
Foster, Thomas W. F.

Peterman, Harry A. B., Chicago, Ill. Auto vacuum cleaner. 2,461,174, Feb. 8.

Peterson, Charles W., assignor to Eastman Kodak Company, Rochester, N. Y. Panoraming tripod head. 2,461,175, Feb. 8.

Peterson, Vincent C. J., York, and H. M. Wilson, Bear Creek, Pa., assignors to American Chain & Cable Company, Inc., Bridgeport, Conn. Wire rope splice. 2,461,079, Feb. 8.

Pettibone Mulliken Corporation, assignee: *See*—
Piper, Walter F.

Petty, Olive S., assignee: *See*—
Parr, Josephus O., Jr.

Petty, Wesley, Effingham, Ill. Holding device. 2,461,440, Feb. 8.

Pfeiffer, David C.: *See*—
Clewell, Dayton H., and Pfeiffer.

Philco Corporation, assignee: *See*—
Bradley, William E.
Newbold, William H.

Phillpotts, George C.: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.

Philp, William J., Battle Creek, Mich., and C. W. Parmentier, Philadelphia, Pa.; said Philp assignor to Clark Equipment Company, Buchanan, Mich. Pallet. 2,461,297, Feb. 8.

Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee: *See*—
Goldfield, Edwin R.

Pickley, Leonard B., North Hollywood, Calif. Composite photography. 2,461,127, Feb. 8.

Pilnik, Walter F.: *See*—
Wobbe, Delbert E., and Pilnik.

Piper, Walter F., Chicago, Ill., assignor, by mesne assignments, to Pettibone Mulliken Corporation. Mulling apparatus. 2,461,176, Feb. 8.

Pirani, Marcello: *See*—
Bennett, John G., Foster, Greaves, Phillpotts, Pirani, and Kramers.

Piskur, Michael M., and J. W. Higgins, assignors to Swift & Company, Chicago, Ill. Antioxidant for fats. 2,461,080, Feb. 8.

Piton, Charles, Geneva, Switzerland, assignor to Hermann Thorens S. A. Device for securing an element of an oscillating electric circuit to a support. 2,461,441, Feb. 8.

Plante, Alfred J., assignor of one-half to D. Cloutier, Augusta, Maine. Hoist clamp. 2,461,394, Feb. 8.

Plas-Tk-Bits, Inc., assignee: *See*—
Wagner, Arthur E., and Camp.

Power Jet (Research and Development) Ltd., assignee: *See*—
Whitehead, Leslie T.

Prestien, Clyde G., Berea, Ohio. Manicure case. 2,461,177, Feb. 8.

Prits, Lawrence G., North Canton, assignor to Ohio Ferro-Alloys Corporation, Canton, Ohio. Making ferro-alloys. 2,461,442, Feb. 8.

Procofieff, Michel: *See*—
Bert, Léonce, Procofieff, and Blinoff.

Production Broaching Corporation, assignee: *See*—
Iversen, Norman H.

Psikal, Emil, Dorchester, Nebr. Air cleaner. 2,461,395, Feb. 8.

Pudelko, Richard, and P. Moos, assignors to Landis & Gyr, A. G., Zug, Switzerland. Multiple tariff counter for measuring instruments. 2,461,081, Feb. 8.

Pullman Company, The, assignee: *See*—
Jones, Basil E., and Stanley.

Pulsifer, Henry H., Kitchener, Ontario, Canada. Playing steel. 2,461,232, Feb. 8.

Purnell, Edward A., assignor to The General Fireproofing Company, Youngstown, Ohio. Furniture. 2,461,082, Feb. 8.

Putnam, David F., and C. F. Robbins, assignors to Markem Machine Company, Keene, N. H. Machine for marking cylindrical articles. 2,461,233, Feb. 8.

Quik-Seal, Inc., assignee: *See*—
Sticelber, Merlin A.

Radio Corporation of America, assignee: *See*—
Braden, Rene A.
Hanchett, George D., Jr.
Hershberger, William D.
Nergaard, Leon S.
Obert, Maximillian J.
Olson, Harry F.
Schroeder, Alfred C.
Usselman, George L.
Zappacosta, Amedeo D.

Radtke, Albert A., New York, N. Y. Adjustable clamp. 2,461,234, Feb. 8.

Ralston, Anderson W., and H. M. Corley, assignors to Armour and Company, Chicago, Ill. Compounds modified by abietic nitriles. 2,461,349, Feb. 8.

Raney, Murray, Chattanooga, Tenn. Producing finely divided metals. 2,461,396, Feb. 8.

Rank, Richard L., St. Louis, Mo. Clip. 2,461,083, Feb. 8.

Rapaport, Leonard, assignee: *See*—
Fontaine, Jack.

Rauland Corporation, The, assignee: *See*—
Antalek, John J.

Raymond, Thomas E., assignor to Simplex Engineering Company, Zanesville, Ohio. Fluid pressure energy translating device. 2,461,235, Feb. 8.

Raytheon Manufacturing Company, assignee: *See*—
Faulk, Donald P.

Reckmeyer, Verne H., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Preparing light filter foils. 2,461,480, Feb. 8.

Reconstruction Finance Corporation, assignee: *See*—
Castle, James B.

Redington, F. B., Co, assignee: *See*—
Malhiot, Clarence J.

Reich, George A., Cleveland, Ohio. Roller skate. 2,461,128, Feb. 8.

Reinke, Fred A., Cleveland, Ohio. Hat and tie holder. 2,461,178, Feb. 8.

Rempel, Dietrich G., Akron, assignor to The Sun Rubber Company, Barberton, Ohio. Form for building hollow articles. 2,460,845, Feb. 8.

Rettke, Julius L., and E. H. Otto, assignors to Missouri Meerschaum Company, Washington, Mo. Pipe bowl turning machine. 2,461,443, Feb. 8.

Rey-Bellet, Gerald: *See*—
Spiegelberg, Hans, and Rey-Bellet.

Reyburn, John R., Fairfield, Conn. Fishing reel. 2,460,904, Feb. 8.

Reynolds, John W., Albion, Mich. Hanger. 2,460,946, Feb. 8.

Riggs, Harold C., Langhorne Manor, Pa., assignor to The Electric Storage Battery Company. Quick-change battery support. 2,461,002, Feb. 8.

Robbins, Charles F.: *See*—
Putnam, David F., and Robbins.

Roberts Manufacturing Company, The, assignee: *See*—
Roehr, Zbislaw M.

Robertson, John D., assignor to Mount Hope Machinery Company, Taunton, Mass. Weft-straightening apparatus. 2,461,084, Feb. 8.

Robson, Thomas D.: *See*—
Oxley, Peter, Robson, Koebner, and Short.

Roe, Ernest, assignee: *See*—
Schulze, Kurt E.

Roehr, Zbislaw M., assignor to The Roberts Manufacturing Company, New York, N. Y. Hypodermic syringe. 2,461,481, Feb. 8.

Roemer, Louise E., assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.

Roemer, Ralph R., assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.

Rogalla, Robert G., Racine, Wis. Trouser hanger. 2,461,179, Feb. 8.

Rollason, Ernest C. Waltham Abbey, England, assignor to Metal and Thermit Corporation, New York, N. Y. Coated weld rod. 2,461,180, Feb. 8.

Rosenberg, Paul, Brookline, Mass., assignor, by mesne assignments, to the United States of America, as represented by the Secretary of War. Reflecting device. 2,461,181, Feb. 8.

Rosenqvist, Sven O., Rotebro, Sweden, assignor to Svenska Jästfabriks Aktiebolaget. Production of yeast. 2,460,947, Feb. 8.

Ross, Kenneth B., Chicago, Ill. Permeability tuned transformer. 2,461,397, Feb. 8.

Rostoker, Louis, assignor to D. Esser, Toronto, Ontario, Canada. Switch mechanism for signal lights and the like. 2,461,236, Feb. 8.

Rover, Richard H., Roselle, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Insulating blanket. 2,460,848, Feb. 8.

Roy, Louis P., Montreal, Quebec, Canada. Replacement door handle. 2,461,085, Feb. 8.

Ruhwandl, Dominicus G. S., Eindhoven, Netherlands, assignor to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Rectifier discharge tube and sealing the anode leadin. 2,461,237, Feb. 8.

Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Schepmoes, Lindsley.

St. Joseph Lead Company, assignee: *See*—
Isbell, William T.

St. Regis Paper Company, assignee: *See*—
Hoppe, Edgar B.

Sander, Hans C., Denver, Colo., assignor to Continental Oil Company, Ponca City, Okla. Pump piston. 2,460,948, Feb. 8.

Sanders, Sanford E. A., Los Angeles, Calif., assignor to Sta-Neet Corporation, Haircutting comb. 2,461,444, Feb. 8.

Sands, Henry F., Cranston, R. I. Portable door fastener. 2,461,398, Feb. 8.

Saunders, Fred B., Tarpon Springs, Fla. Garment hanger. 2,460,905, Feb. 8.

Schaar, Charles H.: *See*—
Erdle, Reiner W., and Schaar.

Schade, Willy, assignor to Eastman Kodak Company, Rochester, N. Y. Four component photographic objective having the first two cemented surfaces convex to the front. 2,461,182, Feb. 8.

Schaefer, Frederic, Pittsburgh, Pa. Brake beam. 2,461,183, Feb. 8.

Schaevitz, Herman, Collingswood, N. J. Resonant differential transformer. 2,461,238, Feb. 8.

Schaffer, Ralph A., East Cleveland, and J. B. Mohler, Euclid, assignors to The Cleveland Graphite Bronze Company, Cleveland, Ohio. Electrodeposition of lead-antimony-tin alloys. 2,461,350, Feb. 8.

Schaus, Victor P., Jackson Heights, assignor to Howe Folding Furniture, Inc., New York, N. Y. Collapsible wheeled containers. 2,461,482, Feb. 8.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Lighting apparatus. 2,461,445, Feb. 8.

Schepmoes, Lindsley, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Lighting fixture for passenger vehicles. 2,461,446, Feb. 8.

Schmied, Joseph M., Chicago, Ill. Pressure pump. 2,460,949, Feb. 8.

Schmiedeberg, Frederick W., Portland, Oreg. Package holder. 2,460,906, Feb. 8.

Schmitt, Arthur C.: *See*—
Marisic, Milton M., Schmitt, and Frank.

Schnerb, Isaac: *See*—
Bloch, Rudolf, Goldschmid, Schnerb, and Goldschmidt.

Schnuck, Carl F.: *See*—
Banbury, Fernley H., Comes, and Schunck.

Schroeder, Alfred C., Feasterville, Pa., assignor to Radio Corporation of America. Cathode-coupled wide-band amplifier. 2,460,907, Feb. 8.

Schubert, Alvin E., and H. P. Hintz, assignors to Eastman Kodak Company, Rochester, N. Y. Record handling and copying apparatus. 2,461,186, Feb. 8.

Schulze, Kurt E., assignor to E. Roe, doing business as Coast Wire Company, San Francisco, Calif. Wire tying machine. 2,460,846, Feb. 8.

Schumacher, Edward G., Buffalo, N. Y. Diving board. 2,461,086, Feb. 8.

Schuster, John, Jr., Narberth, Pa., assignor to United Aircraft Corporation, East Hartford, Conn. Cooling turbine rotors. 2,461,239, Feb. 8.

Schwars, Harold W., Mercedes, Tex. Implement balance control link spring. 2,460,847, Feb. 8.

Schwinn, Frank W., Chicago, Ill. Truss rod bracket. 2,461,003, Feb. 8.

Scott, Franklin D.: *See*—
Ball, Charles O., and Scott.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Valve mechanism. 2,460,908, Feb. 8.

Scovill Manufacturing Company, assignee: *See*—
Huelster, Otto J.

Scruggs, Thomas M., Richmond Heights, assignor to Bemis Bros. Bag Company, St. Louis, Mo. Open-mesh fabric selvage. 2,461,240, Feb. 8.

Searle, G. D., & Co., assignee: *See*—
Cusic, John W.

Segal, Samuel: *See*—
Murphy, Edward B., and Segal.

Segal, Samuel, New York, N. Y., assignor to Wilson-Jones Company, Chicago, Ill. Notebook loose-leaf binder. 2,460,850, Feb. 8.

Selbert, Howard F.: *See*—
Tabor, Joseph M., Selbert, and Frohring.

Seippel, Claude, Ennetbaden, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Gas turbine installation. 2,461,186, Feb. 8.

Selas Corporation of America, assignee: *See*—
Hess, Frederic O.

Self, Edward S., Bakersfield, assignor to Shell Development Company, San Francisco, Calif. Oil base drilling fluid. 2,461,483, Feb. 8.

Sell, Richard G., and L. E. Thompson, London, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating electric current rectifier of the dry surface contact type. 2,461,087, Feb. 8.

Sena, Jurg A., Milwaukee, Wis., assignor to the United States of America as represented by the Secretary of War. Constant speed rotor for turbines. 2,460,849, Feb. 8.

Servel, Inc., assignee: *See*—
Major, Ralph M.
Wallace, Hugh.

Shaffer, Morton J., New York, N. Y. Bellows type envelope having all edges of mouth reinforced. 2,460,909, Feb. 8.

Shaheen, Elias, assignee: *See*—
Dager, Albert.

Shakespeare Company, assignee: *See*—
Shakespeare, William, Jr.

Shakespeare, William, Jr., assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,460,950, Feb. 8.

Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone alarm system. 2,461,241, Feb. 8.

Sheets, Jack H., and M. E. Cushman, Verona, N. J., assignors to Curtiss-Wright Corporation. Propeller hub and associated blades. 2,460,910, Feb. 8.

Shell Development Company, assignee: *See*—
Davies, Elwyn P., and Eggertsen.
Morris, Rupert C., and Snider.
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Shokal.
Self, Edward S.
Shiras, Russell N., Nixon, and Deal, Jr.

Sheppard, William L., Farmington, Mich., assignor to Eureka Williams Corporation. Bag coupling for suction cleaners. 2,460,851, Feb. 8.

Shiras, Russell N., Oakland, A. C. Nixon, Berkeley, and C. H. Deal, Jr., Alameda, assignors to Shell Development Company, San Francisco, Calif. Isomerization of cycloparaffin of nonhydroaromatic structure. 2,460,852, Feb. 8.

Shokal, Edward C.: *See*—
Morris, Rupert C., Van Winkle, and Shokal.

Short, Wallace F.: *See*—
Oxley, Peter, Robson, Koebner, and Short.

Shortt, Charles R., Stamford Township, Niagara Falls, Ontario, Canada. Magnetic toy train. 2,461,088, Feb. 8.

Shuff, Horace M., Tampa, Fla. Bending machine abutment guide. 2,460,951, Feb. 8.

Shullaw, Sherman E., Peoria, Ill. Clutch lever attachment. 2,460,911, Feb. 8.

Siegel, David T., assignee: *See*—
Chanovitz, Harry.

Siesel, Josephine M., executrix: *See*—
Siesel, William M.

Siesel, William M., Morrisville, Pa.; J. M. Seisel, executrix of said W. M. Siesel, deceased. Yielding drive. 2,461,447, Feb. 8.

Silverman, Leslie, Westwood, Mass. Flowmeter. 2,461,351, Feb. 8.

Simer, Jerome, and E. E. Cook, assignors to Paddle Pumps, Inc., Minneapolis, Minn. Rotary pump with elastic rotor sealing rib. 2,460,952, Feb. 8.

Simplex Engineering Company, assignee: *See*—
Raymond, Thomas E.

Sinclair Refining Company, assignee: *See*—
Cole, Eldon B.
Mostek, Jerome L.
Pelzer, Harry L.
Splittgerber, George H.
Teter, John W., and Stookey.

Singer Manufacturing Company, The, assignee: *See*—
Turner, Edgar P.

Siple, Paul A., United States Army, Arlington, Va. Waterproof fastening device. 2,460,853, Feb. 8.

Smidth, Leonard, New York, N. Y. Forming granulated synthetic resin compositions. 2,461,089, Feb. 8.

Smith, Edward E.: *See*—
Mewherter, Frank W., and Smith.

Smith, Everett M., Leamington, Ontario, Canada. Street crossing signal device for blind pedestrians. 2,461,448, Feb. 8.

Smith, Jack J., assignee: *See*—
Markham, Thomas A.

Smith, Marvin M., Muncie, Ind., and E. N. Kemler, Birmingham, Ala., assignors to Muncie Gear Works, Inc., Muncie, Ind. Heat pump using deep well for a heat source. 2,461,449, Feb. 8.

Smith, Robert A., Ridley Park, and J. S. Chaya, Springfield, Pa., assignors to American Viscose Corporation, Wilmington, Del. Method and apparatus for slashing yarns. 2,461,090, Feb. 8.

Smith, S., & Sons (England) Limited, assignee: *See*—
Grose, Frederick J.

Smith, Sidney K.: *See*—
MacCutcheon, Edward M., Jr., Windenburg, and Smith.

Smith, Vaughn R., El Cerrito, and D. E. Stevens, Fairfax, assignors to California Research Corporation, San Francisco, Calif. Water-in-oil emulsion paints containing a leafing pigment. 2,461,352, Feb. 8.

Smith, William L., Bremerton, Wash. Shaft taper gauge. 2,460,854, Feb. 8.

Smullin, Louis D.: *See*—
Hollingsworth, Lowell M., and Smullin.

Snider, Alva V.: *See*—
Morris, Rupert C., and Snider.

Societe Anonyme d'Innovations Chimiques dite: Sinnova ou Sadic, assignee: *See*—
Bilnoff, Vsevolod.

Societe Anonyme dite: Societe d'Innovations Chimiques dite: Sinnova ou Sadic, assignee: *See*—
Bert, Léonce, Procofieff, and Bilnoff.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Hartough, Howard D., and Kosak.
Marisic, Milton M., Schmitt, and Frank.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Treatment of hydrocarbon resins and products thereof. 2,461,004, Feb. 8.

Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Rotor construction for turbines. 2,461,242, Feb. 8.

Soderberg, Carl R., Weston, Mass., assignor to United Aircraft Corporation, East Hartford, Conn. Diaphragm seal for turbines. 2,461,243, Feb. 8.

Somes, Howard E., Detroit, Mich., assignor, by mesne assignments, to The Ohio Crankshaft Company, Cleveland, Ohio. Electromagnetic induction heat-treating apparatus. 2,460,855, Feb. 8.

Southworth, George C., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Ultrahigh frequency transmission. 2,461,005, Feb. 8.

Sowers, Ivan P., Los Angeles, Calif. Trouser presser. 2,461,006, Feb. 8.

Spicer, Manford, Jr., Kansas City, Mo., assignor of twenty-five per cent to G. Johnson, Kansas City, Kans. Cover holder for pressing machines. 2,460,953, Feb. 8.

Spiegelberg, Hans, and G. Rey-Bellet, Basel, Switzerland, assignors to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of 2-amino-6-hydroxy-8-(hydroxymethyl) pteridine. 2,461,503, Feb. 8.

Splittgerber, George H., Whiting, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining turpentine. 2,461,007, Feb. 8.

Squibb & Sons, E. R., assignee: *See*—
Holaday, Horace A.
Lott, William A., Bernstein, and Sterns.

Stahl, William F., assignee: *See*—
Collins, Fred V.

Standard Oil Development Company, assignee: *See*—
Leeseemann, Charles J. G.
Mikeska, Louis A.
Ogorzaly, Henry J., and Voorhies, Jr.
Patterson, John A.
Vanderbilt, Byron M., and Bascom.
Vlies, Prentiss S., and Camp.
Young, David M., and Britton.

Standard Railway Equipment Manufacturing Company, assignee: *See*—
Gilpin, Garth G.
Thompson, Alfred L.

Sta-Neet Corporation, assignee: *See*—
Sanders, Sanford E. A.

Stanke, Frank W., Milwaukee, and L. F. Bender, assignors to The Universal Milking Machine Company, Waukesha, Wis. Suspension hanger. 2,460,856, Feb. 8.

Stanley, Joseph R.: *See*—
Jones, Basil E., and Stanley.

Stanton, Earl G., Glencoe, Ill., assignor to Libby, McNeill & Libby. Advertising device for containers. 2,461,244, Feb. 8.

Stearns Magnetic Mfg. Co., assignee: *See*—
Stearns, Roswell H.

Stearns, Roswell H., Wauwatosa, assignor to Stearns Magnetic Mfg. Co., Milwaukee, Wis. Magnetic separator. 2,461,008, Feb. 8.

Steel Heddle Manufacturing Company, assignee: *See*—
Kaufmann, John J.

Steele, P. I.: *See*—
Birk, Paul M., and Steele.

Stein, Hall & Co., Inc., assignee: *See*—
Nelson, Harley E.

Steiner, Edward C.: *See*—
Francisco, William H., Jr., Steiner, and Hill.

Steinmann, Willy, Zurich-Wipkingen, assignor to Patelhold Patentverwertungs-& Elektro-Holding A.-G., Glarus, Switzerland. Direction finding apparatus. 2,461,187, Feb. 8.

Stelzer, Madelon J.: *See*—
Stelzer, William and M. J.

Stelzer, William and M. J., Summit, N. J. Garden cart. 2,461,353, Feb. 8.

Stephenson, Hugh M., Fort Wayne, Ind., assignor to General Electric Company. Combination coupling and overload cam operated device. 2,461,298, Feb. 8.

Stephenson, Richard G., and W. M. Bush, Poquonock Bridge, Conn., assignors to the United States of America as represented by the Secretary of the Navy. Transformer network. 2,461,091, Feb. 8.

Sterling, George H., Minneapolis, Minn. Oar protector. 2,461,092, Feb. 8.

Sterns, Barbara: *See*—
Lott, William A., Bernstein, and Sterns.

Stevens, Don E.: *See*—
Smith, Vaughn R., and Stevens.

Sticelber, Merlin A., Kansas City, Mo., assignor to Quik-Seal, Inc. Refrigerating means for dough mixers. 2,461,450, Feb. 8.

Stone, Carl R., assignor to Crane Co., Chicago, Ill. Fastening means for direct lift waste fittings or the like. 2,461,354, Feb. 8.

Stoner, Forrest H., Dixon, Mo. Self-propelled tree felling and log cutting saw rig. 2,461,188, Feb. 8.

Stookey, Robert H.: *See*—
Teter, John W., and Stookey.

Strausser, Herbert, New York, N. Y. Confectionery. 2,461,399, Feb. 8.

Streszynski, George J., Chicago, Ill., assignor to The De Laval Separator Company, New York, N. Y. Centrifuge for the separation of serum from cheese constituents. 2,461,129, Feb. 8.

Stromberg-Carlson Company, assignee: *See*—
Vincent, Andrew W.

Stuart, Joseph II, Wilmington, Del., assignor, by mesne assignments, to the United States of America as represented by the Secretary of War. Cutting machine. 2,460,954, Feb. 8.

Stueland, Harold M., East Moline, assignor to Deere & Company, Moline, Ill. Shovel loader. 2,461,093, Feb. 8.

Sturbelle, Lucien C., New York, N. Y. Preparation of magnesium from its ores. 2,461,009, Feb. 8.

Submarine Signal Company, assignee: *See*—
Batchelder, Laurence.

Sullivan, Clarence E., Atlanta, Ga. Tire deflation switch. 2,461,299, Feb. 8.

Sun Electric Corporation, assignee: *See*—
Nilson, James H., and Westberg.

Sun Oil Company, assignee: *See*—
Bates, John R.

Sun Rubber Company, The, assignee: *See*—
Rempel, Dietrich G.

Supple, Gilbert, Waban, Mass. Transversely rigid, longitudinally flexible, internal sole element for footwear. 2,461,355, Feb. 8.

Sus, Anton, Jr.: *See*—
Sus, Joseph E. and Anton, Jr.

Sus, Joseph E. and Anton, Jr., Racine, Wis. Automatic fish pole holder. 2,461,356, Feb. 8.

Svenska Jästfabriks Aktiebolaget, assignee: *See*—
Rosenqvist, Sven O.

Sweat, Max L., Salt Lake City, Utah. Operating table. 2,460,857, Feb. 8.

Swift & Company, assignee: *See*—
Coad, Frederic J.
McKee, Harry H.
Piskur, Michael M., and Higgins.

Switzer, Joseph L., assignee: *See*—
de Forest, Taber.

Switzer, Robert C., assignee: *See*—
de Forest, Taber.

Szaj, Casimir C., Hales Corners, Wis. Rosary unit. 2,461,130, Feb. 8.

Tabor, Joseph M., East Islip, N. Y., H. F. Selbert, Mason, Mich., and P. R. Frohring, Bainbridge, assignors to General Biochemicals Inc., Chagrin Falls, Ohio. Conditioning a hard soap for solvent extraction. 2,461,300, Feb. 8.

Tawney, Pliny O., Passaic, N. J., assignor to United States Rubber Company, New York, N. Y. Polymerizable chemicals. 2,461,301, Feb. 8.

Taylor, Nelson W., White Bear Lake, and R. C. Murray, Bald Eagle Lake, assignors to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Carbon powder method of making glass beads. 2,461,011, Feb. 8.

Taylor, Robert A.: *See*—
Morey, William L., and Taylor.

Taylor, Robert J., Claymont, assignor to American Viscose Corporation, Wilmington, Del. Making lightweight filamentous structures. 2,461,094, Feb. 8.

Technical Specialties Company, assignee: *See*—
Decker, William E.

Teter, John W., Chicago, Ill., and R. H. Stookey, Whiting, Ind., assignors to Sinclair Refining Company, New York, N. Y. Recovery of ammonia. 2461,010, Feb. 8.

Texaco Development Corporation, assignee: *See*—
Goldsby, Arthur R.

Texas Company, The, assignee: *See*—
Atwell, Harold V.
Fairbairn, George C.
Kemp, Lebbeus C., Jr.
Toettcher, Fred C., and Coley.

Thiel, Leo S., Des Plaines, Ill. Mop cleaner and holder. 2,461,189, Feb. 8.

Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Signal-controlled printing apparatus. 2,461,451, Feb. 8.

Thoma, Henry G.: *See*—
Kratz, John A., and Thoma.

Thomas, Theodore R., Wilkes-Barre, Pa. Tackless display holder. 2,461,400, Feb. 8.

Thompson, Alfred L., Munster, Ind., assignor to Standard Railway Equipment Manufacturing Company, Chicago, Ill. Assembly for supporting refrigerant containers in refrigerator cars. 2,461,012, Feb. 8.

Thompson, Howard A., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Code detecting means. 2,461,452, Feb. 8.

Thompson, Leslie E.: *See*—
Sell, Richard G., and Thompson.

Thompson, Ransom S., East Hampton, assignor to United Aircraft Corporation, East Hartford, Conn. Mounting of collector and free-piston gas generators. 2,461,245, Feb. 8.

Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Pyrylium dye salts as filter and antihalation dyes in photographic materials. 2,461,484, Feb. 8.
Thompson, Thomas R., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Xanthylium dye salts as filter and antihalation dyes in photographic materials. 2,461,485, Feb. 8.
Thompson, William: *See*—
Bletso, Bruce N., and Thompson.
Thoreau, Hermann S. A., assignee: *See*—
Piton, Charles.
Thropp, Wm. R., & Sons Co., assignee: *See*—
Wilkes, William H.
Thulin, Ivan V., Upper Darby, Pa. Chuck. 2,460,858, Feb. 8.
Times Facsimile Corporation, assignee: *See*—
Chiger, Arthur.
Todd, Francis C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Electrical circuit. 2,461,131, Feb. 8.
Todd, Paul H., Kalamazoo, Mich. Inhaler. 2,460,955, Feb. 8.
Toettcher, Fred C., Fishkill, assignor to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,454, Feb. 8.
Toettcher, Fred C., Fishkill, assignor to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,455, Feb. 8.
Toettcher, Fred C., Fishkill, and J. R. Coley, Beacon, assignors to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,461,453, Feb. 8.
Togstad, C. I., Company, assignee: *See*—
Henderson, Scott W.
Tompkins, J. Everette, assignee: *See*—
Duerr, Carl F., Jr.
Knam, Francis E.
Trail, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Combined friction and jaw clutch. 2,460,956, Feb. 8.
Trebes, Bruno M. A.: *See*—
Adair, Frank M., Brunner and Trebes.
Trimble Nurseryland Furniture, Inc., assignee: *See*—
De Puy, Charles T., and Baxter.
Trombley, Roy, Presque Isle, Maine. Hoisting device. 2,461,401, Feb. 8.
Truhlar, John, Clarendon Hills, and A. A. Pantsios, Chicago, assignors to R. F. Hlavaty, Cicero, Ill. Flameproofing. 2,461,302, Feb. 8.
Trumpler, Paul R., Westfield, assignor, to The M. W. Kellogg Company, Jersey City, N. J. Gas separation including impurity removing steps. 2,460,859, Feb. 8.
Truxell, Andrew J., Washington, D. C. Attaching means for watches. 2,461,095, Feb. 8.
Turner, Edgar P., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Electrical transmitter for driving sewing machines and the like. 2,461,504, Feb. 8.
Union Carbide & Carbon Corporation, assignee: *See*—
Koopman, Kenneth H.
Union Switch & Signal Company, The, assignee: *See*—
Johnston, Allan T., and Jerome.
Nicholson, Frank H.
Sell, Richard G., and Thompson.
Thompson, Howard A.
United Aircraft Corporation, assignee: *See*—
Bodger, Walter K.
Meitzler, Donald E.
Schuster, John, Jr.
Soderberg, Carl R.
Thompson, Ransom S.
United-Carr Fastener Corporation, assignee: *See*—
Wagstaff, George.
United Gas Improvement Company, The, assignee: *See*—
Soday, Frank J.
United Shoe Machinery Corporation, assignee: *See*—
Gookin, Sylvester L.
Hart, Fred V.
Haselton, George.
Maeser, Mieth.
United States Rubber Company, assignee: *See*—
Tawney, Pliny O.
United States Vanadium Corporation, assignee: *See*—
Carosella, Michael C.
Universal Milking Machine Company, The, assignee: *See*—
Stanke, Frank W., and Bender.
Universal Oil Products Company, assignee: *See*—
Kanhofer, Elmer R.
Urschel, Bertis H., and L. H. Janser, assignors to Urschel Engineering Company, Bowling Green, Ohio. Fluid pressure unit. 2,461,132, Feb. 8.
Urschel Engineering Company, assignee: *See*—
Urschel, Bertis H., and Janser.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency shift keying. 2,461,456, Feb. 8.
Vanderbilt, Byron M., Westfield, N. J., and F. Bascom, Staten Island, N. Y., assignor to Standard Oil Development Company. Diolefin polymerisation in the presence of ammonium soap emulsifier. 2,461,358, Feb. 8.
Van Winkle, John L.: *See*—
Morris, Rupert C., and Van Winkle.
Morris, Rupert C., Van Winkle, and Shokal.
Veeder-Root Incorporated, assignee: *See*—
Vroom, Harold B.
Wild, Otto, Jr.
Viall, George K.: *See*—
Miller, Arthur E., Viall and Lindow.
Victor Products, (Wallsend) Limited, assignee: *See*—
Winn, William.
Viles, Prentiss S., and E. Q. Camp, Goose Creek, Tex., assignors to Standard Oil Development Company. Inhibiting acidic corrosion in wells. 2,461,359, Feb. 8.
Vincent, Andrew W., assignor to Stromberg-Carlson Company, Rochester, N. Y. Relay. 2,461,360, Feb. 8.
Vinton, William H., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Arylmethylmercapto aldehydes. 2,461,013, Feb. 8.
Volpigno, Americo, Providence, R. I. Electronic circuit breaker. 2,460,860, Feb. 8.
Vomacka, William: *See*—
Hooser, Hartman D., and Vomacka.
Voorhies, Alexis, Jr.: *See*—
Ogorsaly, Henry J., and Voorhies, Jr.
Vornado Trust, The, assignee: *See*—
Odar, Ralph K.
Vroom, Harold B., assignor to Veeder-Root Incorporated, Hartford, Conn. Coin actuated electrical switch. 2,461,486, Feb. 8.
Wagner, Arthur E., and F. E. Camp, assignors to Plas-Tk-Bits, Inc., Meadville, Pa. Bridle bit. 2,460,912, Feb. 8.
Wagner, Hans P., Akron, Ohio. Self-sealing gasoline tank. 2,461,096, Feb. 8.
Wagstaff, George, Long-Eaton, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for thermionic valves and like electrical devices and securing it to supports. 2,461,487, Feb. 8.
Wallace, Frank C., assignor to H. H. Heibush, Los Angeles, Calif. Nut anchor. 2,461,097, Feb. 8.
Wallace, Hugh, Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator latch. 2,461,361, Feb. 8.
Walsh, Philip J., assignor to Agency Electric Co., San Francisco, Calif. Electric power system. 2,461,133, Feb. 8.
Walters, Harold G., United States Army, Richmond, Ind. Liquid sprayer. 2,460,861, Feb. 8.
War, United States of America as represented by the Secretary of, assignee: *See*—
Cook, John C.
Goff, Milton R.
Holden, Lawrence T.
Hollingsworth, Lowell M., and Smullin.
Rosenberg, Paul.
Senn, Jurg A.
Stuart, Joseph, II.
Wasson, Zack B., Dallas, Tex. Ship fender. 2,460,913, Feb. 8.
Watson, Robert P., Schenectady, N. Y., assignor to General Electric Company. Grid structure for electric discharge devices. 2,461,303, Feb. 8.
Wayne Pump Company, The, assignee: *See*—
Dahlem, J., and Gordon.
Weatherly, Morgan G., Mount Upton, assignor to Bendix Aviation Corporation, New York, N. Y. Ignition apparatus. 2,461,098, Feb. 8.
Weber, Henry, Cleveland, assignor of one-fourth to H. A. Hildebrand, Brunswick, Ohio. Drapery crane. 2,461,457, Feb. 8.
Weiman Company, The, assignee: *See*—
Allington, George H.
Weiss, Albert, Zurich, assignor to Machine Tool Works Oerlikon Administration Company, Zurich-Oerlikon, Switzerland. Ejector for firearms. 2,460,862, Feb. 8.
Weiss, Herbert K., Camp Davis, N. C. Fire control. 2,460,863, Feb. 8.
Weissbrodt, Jean: *See*—
Broido, Jacques J., and Weissbrodt.
Welch, Cline H., assignor to The Alloy Cast Steel Company, Marion, Ohio. Metal-casting mold. 2,461,099, Feb. 8.
Welsh, Matilda D., Ladue, Mo. Canopy frame. 2,461,014, Feb. 8.
Wendt, Robert H., assignee: *See*—
Dally, Roy.
Westberg, Vernon C.: *See*—
Nilson, James H., and Westberg.
Western Electric Company, Incorporated, assignee: *See*—
Adair, Frank M., Brunner, and Trebes.
Bureau, Arthur A.
Clifford, Harry W.
Weyenberg, John T., Kimberly, assignor to Paper Patents Company, Neenah, Wis. Web severing method and apparatus. 2,461,246, Feb. 8.
White, Halbert C.: *See*—
Britton, Edgar C., White, and Moyle.
White, Harold L., San Marino, Calif., assignor to American Pipe and Construction Co. Adapter joint for pipes. 2,461,100, Feb. 8.
White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Handle control for suction cleaners and the like. 2,461,458, Feb. 8.
Whitehead, Leslie T., Farnborough, assignor to Power Jets (Research and Development) Ltd., London, England. Rotor for multistage axial flow compressors and turbines. 2,461,402, Feb. 8.

Whiteley, Fred H., Kansas City, Kans. Motion-picture projecting system. 2,460,864, Feb. 8.
Whitfield, Joseph E., Hamilton, Ohio. Housing joint. 2,460,957, Feb. 8.
Whiting Corporation, assignee: *See*—
Cress, William C.
Wilcox, John E., Jr., Los Angeles, Calif. Photographic synchronizer tester. 2,461,493, Feb. 8.
Wild, Otto, Jr., West Hartford, assignor to Veeder-Root Incorporated, Hartford, Conn. Price wheel setting mechanism. 2,461,488, Feb. 8.
Wilkes, William H., Florence, assignor to Wm. R. Thropp & Sons Co., Trenton, N. J. Roll grinder and polisher. 2,461,459, Feb. 8.
Williams, Vera P., assignee: *See*—
Henderson, Scott W.
Williams, Walter R., Jonesboro, Ark. Camper's box having removable table-closure and pivoted table-top-extension leaves. 2,460,958, Feb. 8.
Wills, Reuben P., Macon, Ga. Airplane kite. 2,460,959, Feb. 8.
Wilson, Charles E., Jr., Denver, Colo., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trichloromethyl diarylmethanes. 2,460,865, Feb. 8.
Wilson, Donald G., assignor to The Wilson Manufacturing Company, Stratford, Conn. Quick-acting securing means for water-tight doors. 2,460,961, Feb. 8.
Wilson, Harold M.: *See*—
Peterson, Vincent C. J., and Wilson.
Wilson, John H., Bay Shore, N. Y. Control valve. 2,461,304, Feb. 8.
Wilson-Jones Company, assignee: *See*—
Murphy, Edward B., and Segal.
Segal, Samuel.
Wilson Manufacturing Company, The, assignee: *See*—
Wilson, Donald G.
Wilson, Robert, assignor to Holland Furnace Company, Holland, Mich. Draft control damper. 2,460,960, Feb. 8.
Windenburg, Dwight F.: *See*—
MacCutcheon, Edward M., Jr., Windenburg, and Smith.
Winkel, Fred M., Phillipsburg, Pa., assignor to R. L. Evans, New York, and E. G. McDonough, Yonkers, N. Y. Hair-waving unit. 2,461,101, Feb. 8.
Winn, William, Monkseaton, England, assignor to Victor Products (Wallsend), Limited. Rotary bit for drilling coal and rock. 2,461,305, Feb. 8.
Winnek, Philip S., and H. E. Faith, Indianapolis, Ind., assignors to Allied Laboratories, Inc., Kansas City, Mo. N-acylphenothiazines. 2,461,460, Feb. 8.
Withrow, Andrew H., Cincinnati, Ohio. Can opener and reshaper. 2,461,015, Feb. 8.
Wobbe, Delbert E., Maywood, and W. F. Pilinik, Harvey, Ill., assignors to American Can Company, New York, N. Y. Can body solder fluxing mechanism. 2,460,866, Feb. 8.
Wolff, Frederick J., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable mount for optical elements. 2,461,100, Feb. 8.
Wolfskill, John M., assignor to Briley Electric Company, Erie, Pa. Crystal drier. 2,461,489, Feb. 8.
Wood, Clifford: *See*—
Haddock, Norman H., and Wood.
Wormell, Robert L., and A. F. Millidge, Coventry, and C. L. Knight, Kenilworth, assignors to Courtaulds Limited, London, England. Extraction of protein from seeds. 2,461,404, Feb. 8.
Wormull, George, Bergenfield, N. J. Utility cover. 2,461,247, Feb. 8.
Wright Aeronautical Corporation, assignee: *See*—
Francisco, William H., Jr., Steiner, and Hill.
Hill, Henry C., and Francisco.
Palen, Peter H.
Wright, Alva T., Fort Worth, Tex. Vehicle chocking device. 2,461,248, Feb. 8.
Wright, Ben W., Boonton, N. J., assignor to Curtiss-Wright Corporation. Welding guide. 2,460,914, Feb. 8.
Ximenes, Manuel R., Fanwood, J. H. Ferguson, Somerville, and S. C. Bunce, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Plastic insulation and manufacture. 2,460,962, Feb. 8.
Young, David W., Roselle, and C. E. Britton, Elizabeth, N. J., assignors to Standard Oil Development Company. Preparation of 2-3 methyl butadiene 1-3. 2,461,362, Feb. 8.
Young, Frank G., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of enol acetates. 2,461,016, Feb. 8.
Young, Frank G., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of enol acetates. 2,461,017, Feb. 8.
Young, Irvin L., Chicago, Ill. Casing closure. 2,460,963, Feb. 8.
Young, L. A., Spring & Wire Corporation, assignee: *See*—
Ludwig, Walter.
Young Radiator Company, assignee: *See*—
Christensen, Donald W.
Young, Ralph D., Morden, England. Floating body game apparatus. 2,461,461, Feb. 8.
Zahn, Otto E., Penn Township, St. Joseph County, Ind. Leather skiver. 2,461,462, Feb. 8.
Zappacosta, Amedeo D., Havertown, Pa., assignor to Radio Corporation of America. Electronic frequency modulator. 2,461,364, Feb. 8.
Zenith Radio Corporation, assignee: *See*—
Adler, Robert.
Zim Manufacturing Company, assignee: *See*—
Berkman, Herbert A.
Zimmerman, Charles F., Braddock Heights, assignor of one-half to W. J. Davis, Frederick, Md. Valve closure. 2,460,867, Feb. 8.
Zommer, William P., Lake Zurich, Ill. Dispenser with measuring chamber of adjustably variable capacity. 2,461,363, Feb. 8.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Corn harvester. Andrews, Norman F., and R. L. Dort, assignors to Deere & Company. Re. 23,083, Feb. 8.

LIST OF DESIGN INVENTIONS

Ash receiver, Pin-up. H. W. Louis. 152,629, Feb. 8.
Ash tray. A. J. Schwisow. 152,656, Feb. 8.
Ash tray. N. K. Tschirley. 152,664, Feb. 8.
Awning. D. D. Kobbe. 152,622, Feb. 8.
Baby bunting. E. Brande. 152,586, Feb. 8.
Band, Wrist watch. M. Sklar. 152,658, Feb. 8.
Bank, Coin. T. E. Orr. 152,646, Feb. 8.
Base, Lamp. H. Gogolick and E. Meyer. 152,609, Feb. 8.
Base or pedestal for chairs. H. A. Penchoen. 152,648, Feb. 8.
Beverage cooler, Portable. G. M. Acton. 152,580, Feb. 8.
Block, Sanding. L. Gerlinger. 152,607, Feb. 8.
Bottle. J. B. Mayfield. 152,634, Feb. 8.
Bottle, Perfume. D. Gibson. 152,608, Feb. 8.
Bracket, Appliance. H. J. Kline. 152,621, Feb. 8.
Bracket or the like, Wall. P. J. Cronen. 152,598–9, Feb. 8.
Bus cart or similar article. W. E. Williams. 152,666, Feb. 8.
Cabinet or similar article. S. Ben-Ari. 152,585, Feb. 8.
Cap, Container. J. Kronman. 152,625, Feb. 8.
Case, Combination portable electric motion-picture camera and battery. C. P. Lent. 152,627, Feb. 8.
Case, Lady's hat and shoe. N. D. Rinehart. 152,653, Feb. 8.
Case, Measuring instrument. G. Banever. 152,582, Feb. 8.
Casing, Vehicle signal. M. Steigel. 152,663, Feb. 8.
Chain for a bracelet or similar article, Expansible. A. W. Koppell. 152,623, Feb. 8.
Cigarette holder and ash receiver, Combined. H. Krohnengold. 152,624, Feb. 8.
Cleaning machine, Sewer. J. J. Rausch. 152,651, Feb. 8.
Control device, Pedal. E. C. Caudill. 152,594, Feb. 8.
Dispenser, Needle. P. T. Marinack and I. P. Dooley. 152,630, Feb. 8.
Dispenser, Tissue sheet. A. C. H. Weiss. 152,665, Feb. 8.
Dispensing machine. A. D. Brundage. 152,588, Feb. 8.
Display fixture. E. C. Dimling. 152,602, Feb. 8.
Display lamp or the like, Decorative. H. M. Carey. 152,592, Feb. 8.
Earring and perfume container, Combined. P. W. Fanelli. 152,604, Feb. 8.
Face plate for a dispensing machine. A. D. Brundage. 152,587, Feb. 8.
Figurine, Owl. R. C. Smith. 152,662, Feb. 8.
Fish gaff, Safety. H. Cederblad. 152,595, Feb. 8.
Fish lure. S. J. Simon. 152,657, Feb. 8.
Fishing lure. T. W. Messick. 152,636, Feb. 8.
Fire extinguisher. I. Nurkiewicz. 152,645, Feb. 8.
Fire extinguisher. A. B. Phister. 152,650, Feb. 8.
Fire extinguisher, Portable hand. A. B. Guise and T. W. Johnson. 152,612, Feb. 8.
Flashlight. R. F. Becker. 152,584, Feb. 8.
Girdle. P. Amyot. 152,581, Feb. 8.
Handle for a brush or similar article. A. Rodriques. 152,654, Feb. 8.
Handle unit, Cooking range. L. F. Covey. 152,597, Feb. 8.
Hedge clipper, Rotary. R. W. Perdew. 152,649, Feb. 8.
Holder, Florist's wire. H. S. Rossell. 152,655, Feb. 8.
Holder, Soap. E. L. Kibler. 152,613, Feb. 8.
Jacket, Bed. M. E. Smith. 152,661, Feb. 8.
Knife. S. Maugham. 152,633, Feb. 8.
Lamp, Bubbling candle. J. K. Castell. 152,593, Feb. 8.
Leather or similar article of manufacture. F. H. Becker and L. F. Peabody. 152,583, Feb. 8.
Lighting device. J. Nathan and J. C. Haberman. 152,642, Feb. 8.
Mallet. G. Pavlinets. 152,647, Feb. 8.
Meter, Moisture. C. N. Kimball, W. R. Lewis, and H. A. Strecker. 152,619, Feb. 8.
Nozzle and control handle for dry chemical fire extinguisher, Combined. A. B. Guise and T. W. Johnson. 152,611, Feb. 8.
Nozzle attachment for vacuum cleaners. W. F. Burri. 152,589, Feb. 8.
Pad, Knee. B. Mechur and W. Riedler. 152,635, Feb. 8.
Panel for an electronic timer or similar article. J. W. Lauricella. 152,626, Feb. 8.
Panel, Instrument. W. S. Fletcher. 152,605, Feb. 8.
Panties, Baby. E. Foreman. 152,606, Feb. 8.
Plate, Hot-water. E. S. Zelsel. 152,667, Feb. 8.
Plug, Heater. A. H. Massey. 152,631, Feb. 8.
Polishing machine, Floor. W. E. Holt. 152,617, Feb. 8.
Rack, Tie. H. M. Canner. 152,591, Feb. 8.
Range, Cooking. L. F. Covey. 152,596, Feb. 8.
Ring, Finger. F. P. Kinsley. 152,620, Feb. 8.
Saw and cleaver, Combination. P. F. Danielson. 152,600, Feb. 8.
Shaker, Combination salt and pepper. M. S. Dillon. 152,601, Feb. 8.
Shaker, Condiment. H. E. Musselman and W. H. Buck. 152,641, Feb. 8.
Skirt, Plaited. E. Donath. 152,603, Feb. 8.
Stocking, Lady's. W. Nebel. 152,643–4, Feb. 8.
Stroller body. F. T. Regan. 152,652, Feb. 8.
Textile fabric. W. Mitschke. 152,637–40, Feb. 8.
Textile fabric or similar article. E. I. Hanson. 152,613–14, Feb. 8.
Toy. N. K. Masten. 152,632, Feb. 8.
Toy airplane. E. H. Green. 152,610, Feb. 8.
Toy animal figure. M. C. Levich. 152,628, Feb. 8.
Transformer, Electrical heating and welding. H. B. Smith and G. A. Dolan. 152,660, Feb. 8.
Tray or article of analogous nature, Baby's food. A. Sloan. 152,659, Feb. 8.
Waxer, Floor. E. C. Hartley. 152,616, Feb. 8.
Weather vane. O. D. Harbert. 152,615, Feb. 8.
Weight-lifting amusement device or the like, Carnival. P. Campbell and E. G. Fox, Sr. 152,590, Feb. 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorber, Tension. L. Kneebone. 2,461,427, Feb. 8.
Accounting apparatus. A. H. Dickinson. 2,461,412, Feb. 8.
Accounting machine, Record controlled. R. E. Page and H. S. Beattie. 2,461,438, Feb. 8.
Accumulator injection system. D. E. Meitsler. 2,461,222, Feb. 8.
Acrylonitrile, Production of. E. L. Carpenter and H. S. Davis. 2,461,492, Feb. 8.
Acrylonitrile-vinylidene chlorofluoride copolymers. F. G. Pearson. 2,460,844, Feb. 8.
Acylating furan. H. D. Hartough and A. I. Kosak. 2,460,822, Feb. 8.
Acylating furan. H. D. Hartough and A. I. Kosak. 2,460,825, Feb. 8.
Acylating furans. H. D. Hartough and A. I. Kosak. 2,460,823–4, Feb. 8.
Adapter, Photographic film pack. A. E. Little. 2,460,994, Feb. 8.
Adjustable clamp. A. A. Radtke. 2,461,234, Feb. 8.
Advertising device for containers. E. G. Stanton. 2,461,244, Feb. 8.
Aim indicator. R. M. McQuitty. 2,461,122, Feb. 8.
Air cleaner. E. Palkal. 2,461,395, Feb. 8.
Air conditioning device for beds O. Mitchell. 2,461,432, Feb. 8.
Aircraft, Fluid propelled and controlled. C. A. Neumann and H. H. Baca. 2,461,435, Feb. 8.
Aircraft landing gear. C. R. Livermon. 2,461,288, Feb. 8.
Aircraft structural limit indicator. W. L. Gray. 2,461,210, Feb. 8.
Alarm device for milking machines. A. G. Perkins. Feb. 8.
Alarm system, Telephone. O. A. Shann. 2,461,241, Feb. 8.
Alcohol plasticized with an amine adduct of butadiene cyclic sulfone, Polyvinyl. C. W. Mortenson. 2,460,995, Feb. 8.
Aliphatic sulfonic acids and esters thereof, Obtainable of. L. Bert, M. Procofieff, and V. Blinoff. 2,460,968, Feb. 8.
Alloy suitable for use at high temperatures. S. O. Fisher. 2,460,817, Feb. 8.
Alternating current synchronous transmission. E. Granat. 2,461,053, Feb. 8.
Aluminum and aluminum alloy surfaces corrosion resistant, Rendering. W. R. Meyer. 2,460,897, Feb. 8.
Ammonia, Recovery of. J. W. Teter and R. H. Stookey. 2,461,010, Feb. 8.
Amplifier and revolution accumulator, Torque. B. Cooper and A. F. Hohmann. 2,460,808, Feb. 8.
Amplifier, Cathode-coupled wide-band. A. C. Schroeder. 2,460,907, Feb. 8.
Amplifier system, Magnetic. A. S. FitsGerald. 2,461,046, Feb. 8.
Anchor, Nut. F. C. Wallace. 2,461,097, Feb. 8.
Animal poke. J. H. Beard. 2,461,255, Feb. 8
Antenna R. A. Braden. 2,460,869, Feb. 8.
Antioxidant for fats. M. M. Piskur and J. W. Higgins. 2,461,080, Feb. 8.
Apparatus for atomizing metal. G. J. LeBrasse and H. E. Francis. 2,460,993, Feb. 8.
Apparatus for constructing vibration-compacted concrete slabs. A. E. Miller, G. K. Viall, and R. F. Lindow. 2,461,500, Feb. 8.
Apparatus for developing photographic paper strips. V. J. Forgett. 2,461,419, Feb. 8.
Apparatus for measuring humidity. P. Cilley. 2,461,310, Feb. 8.
Apparatus for molding. F. M. Adair, A. J. Brunner, and B. M. A. Trebes. 2,460,964, Feb. 8.
Apparatus for resoling rubber boots and the like J. W. La Follette. 2,460,832, Feb. 8.
Apparatus for the top separation of nitrotoluene. M. H. Carl. 2,461,141, Feb. 8.
Apparatus for treating material with a gas. A. W. Arnold. 2,461,134, Feb. 8.
Aqueous alcohol extracts of mahogany sulfonates, Distillation of. E. B. Cole. 2,461,371, Feb. 8.
Aqueous azeotropic mixtures, Separating. J. L. M. Frèjacques. 2,461,048, Feb. 8.
Arrangement for fuel injection in a free-piston unit. D. E. Meitsler. 2,461,223, Feb. 8.
Arresting the cracking of the plates of welded ships. E. M. MacCutcheon, Jr., D. F. Windenburg, and S. K. Smith. 2,460,893, Feb. 8.
Article conveying mechanism. J. Hohl, R. K. Belnap, Jr., and H. A. Barnby. 2,461,277, Feb. 8.
Article of furniture. R. E. Logue. 2,461,385, Feb. 8.
Arylmethylmercapto aldehydes. W. H. Vinton. 2,461,013, Feb. 8.
Assembly for supporting refrigerant containers in refrigerator cars. A. L. Thompson. 2,461,012, Feb. 8.
Attaching means for watches. A. J. Truxell. 2,461,095, Feb. 8.
Auto vacuum cleaner. H. A. R. Peterman. 2,461,274, Feb. 8.
Automatic fish pole holder. J. E. Sus and A. Sus, Jr. 2,461,356, Feb. 8.
Bag: *See*—
Multiply pasted end bag.
Bag with sealed inner ply, Multiply pasted end. E. B. Hoppe. 2,460,885, Feb. 8.
Balloon mold. E. E. Habib and D. G. Greenlie. 2,461,270, Feb. 8.
Balloon or similar article and making the same, Meteorological. D. J. Miller. 2,461,072, Feb. 8.
Balloons, Manufacturing. E. E. Habib and D. G. Greenlie. 2,461,271, Feb. 8.
Band, Flexible and/or elastic self-locking. R. P. Ellis. 2,461,201, Feb. 8.
Bandage, Abdominal. L. Goforth. 2,461,208, Feb. 8.
Bath stand and dressing table, Infant's folding. C. T. De Puy and W. C. Baxter. 2,461,260, Feb. 8.
Beam, Brake. F. Schaefer. 2,461,183, Feb. 8.
Beta-trichloroethane, Production of. O. W. Cass. 2,461,142, Feb. 8.
Bin, Sheet receiving and aligning. A. Dager. 2,460,876, Feb. 8.
Binder, Loose-leaf. J. A. Gibson. 2,461,050, Feb. 8.
Binder, Notebook loose-leaf. S. Segal. 2,460,850, Feb. 8.
Binocular shutter mechanism. L. E. Hamilton. 2,461,379, Feb. 8.
Bis-glycolic acid amides of 2,6-diamino-pyridines, and preparing them. W. A. Lott, J. Bernstein, and B. Sterns. 2,461,119, Feb. 8.
Bit: *See*—
Bridle bit.
Bit for drilling coal and rock, Rotary. W. Winn. 2,461,305, Feb. 8.
Blade construction, Sorter pocket and chute. E. A. Ford. 2,461,418, Feb. 8.
Blanket, Insulating. R. H. Rover. 2,460,848, Feb. 8.
Board: *See*—
Diving board.
Boiler: *See*—
Steam and hot water boiler.
Bolster suspension, Railroad car truck. G. T. R. Hunter. 2,461,382, Feb 8.
Bolt, Lock. R. Kemmet. 2,461,284, Feb. 8.
Booth, Safety. J. W. Beretta. 2,460,917, Feb. 8.
Bottle carrier. G. L. Dreher. 2,461,317, Feb. 8.
Box: *See*—
Stereotype plate casting box.
Box. W. K. Bruckhauser. 2,460,870, Feb. 8.
Box having removable table-closure and pivoted table-top-extension leaves, Campers'. W. R. Williams. 2,460,958, Feb. 8.
Brace installation, Sway. P. M. Birk and F. I. Steele. 2,461,406, Feb. 8.
Bracket: *See*—
Truss rod bracket.
Brake and spinner lever, Rotor. C. McDermott. 2,460,839, Feb. 8.
Brake drive, Press. J. B. Castle. 2,461,034, Feb. 8.
Brake for torque converters, One-way. R. Lapsley and B. L. Mills. 2,461,217, Feb. 8.
Braking mechanism for rail vehicles. H. F. Flowers. 2,461,263, Feb. 8.
Bridge, Radio-frequency. H. W. Kline. 2,461,286, Feb. 8.
Bridle bit. A. E. Wagner and F. E. Camp. 2,460,912, Feb. 8.
Broaching apparatus and method. L. B. Green. 2,461,320, Feb. 8.
Burner construction, Gas. M. W. Hoenshell. 2,461,420, Feb. 8.
Butter by cooling cream of high concentration, Producing. H. O. Lindgren. 2,461,117, Feb. 8.
Button, Plastic. O. J. Huelster. 2,461,324, Feb. 8.
Cabinet: *See*—
Knockdown sheet metal cabinet.
Cable contact, Four-way. E. R. Goldfield. 2,461,268, Feb. 8.
Cable stitch knitting. J. Fontaine. 2,461,204, Feb. 8.
Camera objective mounting. J. J. Broido and J. Weissbrodt. 2,461,357, Feb. 8.

Canopy frame. M. D. Welsh. 2,461,014, Feb. 8.
Capacitor assembly, Motor starting. G. V. Peck. 2,460,908, Feb. 8.
Carbon powder method of making glass beads. E. P. Davis and H. Heltzer. 2,460,977, Feb. 8.
Carbon powder method of making glass beads. N. W. Taylor and R. C. Murray. 2,461,011, Feb. 8.
Carburetor. P. M. Cummings, Sr. 2,461,411, Feb. 8.
Carburetor float mechanism. R. M. Heintz. 2,461,274, Feb. 8.
Card and bib, Combination greeting. T. G. Mack. 2,461,430, Feb. 8.
Carrier: *See*—
Bottle carrier.
Cart, Garden. W. and M. J. Steiner. 2,461,353, Feb. 8.
Case: *See*—
Engine shipping case. Shipperproof meat case.
Manicure case.
Case and the like, Vanity. W. Jacobus. 2,461,421, Feb. 8.
Case for men's suits and women's dresses on hangers, Wardrobe. S. L. Kleber. 2,461,216, Feb. 8.
Cast positioner, Mandibular. V. K. Frowine. 2,461,207, Feb. 8.
Casting. J. Gombosh. 2,461,052, Feb. 8.
Catalysis. J. R. Bates. 2,461,104, Feb. 8.
Catalytic cracking and desulfurization of hydrocarbons, Simultaneous. M. M. Marisic, A. C. Schmitt, and F. C. Frank. 2,461,069, Feb. 8.
Cellulose ester filaments, Conditioning. J. B. Eisen. 2,461,043, Feb. 8.
Cellulosic matter, Bleaching of. R. Bloch, K. Goldschmid, I. Schnerb, and P. Goldschmidt. 2,461,105, Feb. 8.
Centering support. L. P. Morey. 2,461,171, Feb. 8.
Centrifuge for the separation of serum from cheese constituents. G. J. Streszynski. 2,461,129, Feb. 8.
Chair, M. Greitzer. 2,461,055, Feb. 8.
Chair and table, Combination safety. C. W. Miller. 2,461,123, Feb. 8.
Chamfering tool. T. F. Millheam. 2,461,431, Feb. 8.
Chemical compositions and the preparation thereof. J. W. Cusic. 2,461,038, Feb. 8.
Chuck. N. H. Iversen. 2,461,059, Feb. 8.
Chuck. I. V. Thulin. 2,460,858, Feb. 8.
Chute, Bottle. E. W. Maynard and L. P. Di Giacomo. 2,461,290, Feb. 8.
Circuit: *See*—
Electrical circuit. Ignition circuit.
Hydraulic circuit.
Circuit breaker, Electronic. A. Volpigno. 2,460,860, Feb. 8.
Circuit breaker, Fuse-plug type. S. Miller. 2,461,338, Feb. 8.
Circuit breaker, Resettable. W. K. Overturf. 2,461,126, Feb. 8.
Circuit for high-voltage tubes, Protected transformer. H. H. Gates. 2,461,265, Feb. 8.
Circuit interrupter, High-voltage. R. H. Amundson. 2,460,967, Feb. 8.
Clamp: *See*—
Adjustable clamp. Rope clamp.
Hoist clamp.
Clamping device for electron tubes and the like. A. Chiger. 2,461,198, Feb. 8.
Clasp, Bracelet. J. Cedar. 2,461,309, Feb. 8.
Cleaner: *See*—
Air cleaner. Auto vacuum cleaner.
Cleaner and holder, Mop. L. S. Thiel. 2,461,189, Feb. 8.
Cleaning asbestos, Method and apparatus for. F. J. Koehne. 2,460,938, Feb. 8.
Clip. E. L. Rank. 2,461,083, Feb. 8.
Clip combining scarf and coat, Wire. S. J. Judge. 2,461,215, Feb. 8.
Closure. A. F. Ciarfello. 2,461,259, Feb. 8.
Closure, Casing. I. L. Young. 2,460,963, Feb. 8.
Closure, Valve. C. F. Zimmerman. 2,460,867, Feb. 8.
Cloth roll attachment for lace looms. E. W. Medbery. 2,461,387, Feb. 8.
Clothespin. M. Maccaferri. 2,461,333, Feb. 8.
Clutch: *See*—
Combined friction and jaw clutch.
Coating composition. C. and B. L. Di Battista. 2,460,878, Feb. 8.
Code detecting means. H. A. Thompson. 2,461,452, Feb. 8.
Coil, Deflecting. M. J. Obert. 2,461,230, Feb. 8.
Coin actuated electrical switch. H. B. Vroom. 2,461,486, Feb. 8.
Coin collector for telephone systems, Portable. W. P. Jackman. 2,460,936, Feb. 8.
Coin slide. V. K. Davis and E. T. Davidson. 2,461,314, Feb. 8.
Collapsible or folding infant's auto seat. T. H. Bonk. 2,461,367, Feb. 8.
Comb, Haircutting. S. E. A. Sanders. 2,461,444, Feb. 8.
Combined friction and jaw clutch. H. H. Trail. 2,460,956, Feb. 8.
Communication system. R. Adler. 2,460,906, Feb. 8.
Compensator and impulse repeater for signaling systems, Automatic line voltage. A. S. Dubuar. 2,461,200, Feb. 8.
Composition for blackening copper and copper alloy surfaces. W. E. Meyer. 2,460,865, Feb. 8.
Compounds modified by abietic nitriles. A. W. Ralston and H. M. Corley. 2,461,349, Feb. 8.
Compressor, Lubricant. J. T. Leonard. 2,461,332, Feb. 8.
Conditioning a hard soap for solvent extraction. J. M. Tabor, H. F. Seibert, and P. E. Frohring. 2,461,300, Feb. 8.
Confectionery. H. Strausser. 2,461,399, Feb. 8.
Conical roller, Self-aligning. T. O. Davidson. 2,460,810, Feb. 8.
Construction for tractors, Drawbar. W. A. Greene. 2,461,269, Feb. 8.
Contacting gaseous fluids and solid particles. H. J. Ogorzaly and A. Voorhies, Jr. 2,461,342, Feb. 8.
Container: *See*—
Dispensing container.
Waterproof shipping container.
Container. C. O. Ball and F. D. Scott. 2,461,251, Feb. 8.
Containers, Collapsible wheeled. V. P. Schaus. 2,461,482, Feb. 1.
Containers, Making. V. Hagopian. 2,460,820, Feb. 8.
Control apparatus. R. C. Dehmel. 2,460,877, Feb. 8.
Control apparatus, Polarized. A. T. Johnston and A. L. Jerome. 2,461,060, Feb. 8.
Control device for multiple linearly movable members. F. J. Grose. 2,461,378, Feb. 8.
Control for free-piston units, Overstroke. D. E. Meitzler. 2,461,224, Feb. 8.
Control surface for high-speed aircraft, Auxiliary. S. B. Brentnall. 2,460,804, Feb. 8.
Control system for hydraulic dredges. P. J. Cushing and P. M. Enright. 2,461,311, Feb. 8.
Control system, Magnetic. A. M. Candy. 2,460,921, Feb. 8.
Control system, Transmission. R. Lapsley. 2,461,218, Feb. 8.
Control unit for airplanes. W. K. Beetle, Jr. 2,461,194, Feb. 8.
Control valve. G. W. Bornquist. 2,461,136, Feb. 8.
Control valves. J. H. Wilson. 2,461,304, Feb. 8.
Controlling means and system. W. S. Landon. 2,461,328, Feb. 8.
Controlling the operation of a plurality of gaseous discharge lamps. W. Foerste. 2,460,979, Feb. 8.
Conversion of hydrocarbons, Pyrolytic. H. L. Pelser. 2,461,172, Feb. 8.
Conveyer and transfer mechanism. C. J. Malhiot. 2,461,167, Feb. 8.
Conveyer, Automatic manure. N. Martinovich. 2,460,894, Feb. 8.
Conveyer, Self-feeding. A. J. Brinker. 2,460,920, Feb. 8.
Copolymers of alpha-acetaminoacrylates. E. Isaacs and H. Gudgeon. 2,461,383, Feb. 8.
Core with variable air gap, Magnetic. A. M. Candy. 2,460,922, Feb. 8.
Counter for measuring instruments, Multiple tariff. E. Pudelko and P. Moos. 2,461,081, Feb. 8.
Coupling: *See*—
Hose coupling.
Coupling and overload cam operated device, Combination. H. M. Stephenson. 2,461,298, Feb. 8.
Coupling device. E. J. Baumgardner. 2,461,024, Feb. 8.
Coupling for suction cleaners, Bag. W. L. Sheppard. 2,460,851, Feb. 8.
Cover: *See*—
Toilet seat cover. Utility cover.
Cover for seat cushions, Slip. I. A. Evans. 2,460,928, Feb. 8.
Crane, Drapery. H. Weber. 2,461,457, Feb. 8.
Crankcase ventilator valve. C. N. Fouse and W. H. A. Krieg. 2,461,206, Feb. 8.
Crankpin replacement bearing construction. J. W. Heaston. 2,461,273, Feb. 8.
Crystal drier. J. M. Wolfskill. 2,461,489, Feb. 8.
Curtain support. D. Fallone. 2,461,417, Feb. 8.
Cushion vehicle wheel. G. M. Brandon. 2,461,257, Feb. 8.
Cutting and the like, Method of and apparatus for. A. G. Bodine, Jr. 2,460,918, Feb. 8.
Cutting device, Hole. H. D. Hooser and W. Vomacka. 2,460,826, Feb. 8.
Cutting machine. J. Stuart, II. 2,460,954, Feb. 8.
Cutting materials, Method of and apparatus for. A. G. Bodine, Jr. 2,460,919, Feb. 8.
Cutting tool. A. Offen. 2,461,431, Feb. 8.
Cyanoethyl ethers of galactomannan and glucomannan gums. O. A. Moe. 2,461,502, Feb. 8.
Cycloparaffin of nonhydroaromatic structure, Isomerization of. R. N. Shiras, A. C. Nixon, and C. H. Deal, Jr. 2,460,852, Feb. 8.
Damper, Draft control. R. Wilson. 2,460,960, Feb. 8.
Dehydrogenation process. E. P. Davies and F. T. Eggertsen. 2,461,147, Feb. 8.
Delay line, Equalized. H. E. Kallmann. 2,461,061, Feb. 8.
Desoxyalditols and their preparation, Disubstituted. W. A. Bonner and C. D. Hurd. 2,460,863, Feb. 8.
Detecting flaws, Method and apparatus for. W. C. Barnes and H. W. Keevil. 2,461,252, Feb. 8.
Device for controlling the swing of trailer vehicles. W. T. Hanna. 2,461,212, Feb. 8.
Device for securing an element of an oscillating electric circuit to a support. C. Piton. 2,461,441, Feb. 8.
Dibbler, Pipe smoker's. R. G. Kaufman. 2,460,937, Feb. 8.
Differentiator. G. I. Bilyeu. 2,461,026, Feb. 8.
Digger, One-man posthole. C. M. Cox. 2,461,373, Feb 8.

Dielefin polymerization in the presence of ammonium soap emulsifier. B. M. Vanderbilt and F. Bascom. 2,461,358, Feb. 8.
Direction finder. H. G. Carter. 2,460,806, Feb. 8.
Direction finder, Radio. T. O. McCarthy. 2,460,798, Feb. 8.
Direction finding apparatus. W. Steinmann. 2,461,187, Feb. 8.
Discharge device and system, Electric. F. M. Bailey. 2,461,250, Feb. 8.
Discharge device, Pool-type electric. C. C. Herskind. 2,461,275, Feb. 8.
Discharge device utilizing cavity resonators, Electron. L. S. Nergaard. 2,461,125, Feb. 8.
Dispenser support. G. H. Packwood, Jr. 2,461,000, Feb. 8.
Dispenser with measuring chamber of adjustably variable capacity. W. P. Zommer. 2,461,363, Feb. 8.
Dispensing container. J. M. Guthrie. 2,461,211, Feb. 8.
Dispensing machine. J. A. Chambers. 2,461,197, Feb 8.
Diving board. E. G. Schumacher. 2,461,066, Feb. 8.
Dolly, Camera. H. W. Houston. 2,461,058, Feb. 8.
Door closer. C. O. Gosserud. 2,460,881, Feb. 8.
Drawing and releasing device, Bow. F. E. Eichoits. 2,461,042, Feb. 8.
Drier: *See*—
Crystal drier. Electric clothes drier.
Drum for nail cleaning apparatus, Rotary screening. B N. Bletso and W. Thompson. 2,461,366, Feb. 8.
Drying and conditioning of yarns. W. H. Furness. 2,460,879, Feb. 8.
Drying eggs. G. Josh, L. A. Harriman, and E. W. Hopkins. 2,460,986, Feb. 8.
Dyeing and creping process for organic derivative of cellulose fabrics, Combined. C. M. Croft and W. H. Hindle. 2,460,875, Feb. 8.
Dyestuffs, Yellow azo. N. H. Haddock and C. Wood. 2,460,932, Feb. 8.
Egg breaker. J. J. Kris, Jr. 2,460,887, Feb. 8.
Elector for firearms. A. Weiss. 2,460,862, Feb. 8.
Elector type welding electrode holder. E. I. Larsen. 2,460,889, Feb. 8.
Electrical circuit. F. C. Todd. 2,461,131, Feb. 8.
Electric clothes drier. A. J. Folli. 2,461,315, Feb. 8.
Electric switch. H. C. Bolley. 2,461,026, Feb. 8.
Electric switch. J. F. Frese. 2,460,818–19, Feb. 8.
Electrode for electrolytic cells, Porous. R. U. Clark. 2,461,410, Feb. 8.
Electrodeposition of lead-antimony-tin alloys. R. A. Schaefer and J. B. Mohler. 2,461,350, Feb. 8.
Electromagnetic pump. D. L. Miller. 2,461,501, Feb. 8.
Emulsions sensitized with N,N-alkylenecyanine dyes, Photographic. L. G. S. Brooker. 2,461,137, Feb. 8.
Engine: *See*—
Rotary internal-combustion engine.
Engine shipping case. G. H. Allington. 2,460,797, Feb. 8.
Engine suspension, Helicopter. R. W. Jenny. 2,461,422, Feb. 8.
Enol acetates, Production of. F. G. Young. 2,461,016–17, Feb. 6.
Envelope having all edges of mouth reinforced, Bellows type. M. J. Shaffer. 2,460,909, Feb. 8.
Esters of amino acids, Cellulose. T. S. Gardner. 2,461,152, Feb. 8.
Evaporator, Laboratory circulating. D. T. Mitchell. 2,461,389, Feb. 8.
Extensible, retractable, and collapsible structure, Continuously. K. O. Larson. 2,461,429, Feb. 8.
Fabric selvage, Open-mesh. T. M. Scruggs. 2,461,240, Feb. 8.
Fastener: *See*—
Portable door fastener.
Fastener attaching machine. S. L. Gookin. 2,460,930, Feb. 8.
Fastening device, Waterproof. P. A. Siple. 2,460,853, Feb. 8.
Fastening means for direct lift waste fittings or the like. C. R. Stone. 2,461,354, Feb. 8.
Fender, Ship. Z. B. Wasson. 2,460,913, Feb. 8.
Ferro-alloys, Making. L. G. Pritz. 2,461,442, Feb. 8.
Fertilizer apparatus, Liquid. R. O. Lewis. 2,461,067, Feb. 8.
Filamentous structures, Making lightweight. R. J. Taylor. 2,461,094, Feb. 8.
Film supporting frame. D. L. Caldarulo. 2,460,871, Feb. 8.
Filter: *See*—
Oil filter. Radiation filter.
Filter foils, Preparing light. V. H. Reckmeyer. 2,461,480, Feb. 8.
Filter for fluorescent screens. B. Aronstein. 2,461,464, Feb. 8.
Fire control. H. K. Weiss. 2,460,863, Feb. 8.
Fishing reel. J. R. Reyburn. 2,460,904, Feb. 8.
Fishing reel. W. Shakespeare, Jr. 2,460,950, Feb. 8.
Fitting for transparent tubes. V. P. Donner. 2,461,414, Feb. 8.
Fitting, Terminal. A. E. Brickman. 2,461,031, Feb. 8.
Fixture accommodating and hanger stud. F. R. Beck. 2,461,025, Feb. 8.
Fixture, Bicycle holding. G. E. Nighthart. 2,460,944, Feb. 8.
Fixture, Bicycle servicing. G. E. Nighthart. 2,460,945, Feb. 8.
Fixture for passenger vehicles, Lighting. L. Scheymoes. 2,461,446, Feb. 8.
Fixture, Window. J. Di Lorenzo. 2,461,316, Feb. 8.
Flameproofing. J. Truhlar and A. A. Pantsios. 2,461,302, Feb. 8.
Flaw detection apparatus. W. C. Barnes and H. W. Keevil. 2,461,253, Feb. 8.
Flaw detection, Method and composition for. T. de Forest. 2,461,404, Feb. 8.
Floating caliper gauge. H. A. Dawley. 2,461,148, Feb. 8.
Flowmeter. L. Silverman. 2,461,351, Feb. 8.
Fluid pressure energy translating device. T. E. Raymond. 2,461,235, Feb. 8.
Fluid pump. T. A. Markham. 2,461,121, Feb. 8.
Fluid treatment equipment. A. H. Friedman. 2,461,113, Feb. 8.
Fluxing mechanism, Can body solder. D. E. Wobbe and W. F. Pillnik. 2,460,866, Feb. 8.
Folding machine. W. Holmes. 2,461,214, Feb. 8.
Footpad. B. D. and S. Freedman. 2,461,047, Feb. 8.
Form for building hollow articles. D. G. Rempel. 2,460,845, Feb. 8.
Four component photographic objective having the first two cemented surfaces convex to the front. W. Schade. 2,461,182, Feb. 8.
Fractional frequency generator. L. Batchelder. 2,460,800, Feb. 8.
Frame: *See*—
Canopy frame. Film supporting frame.
Frame construction for kites and like toys. H. M. and H. F. Chu. 2,461,465, Feb. 8.
Frame member, Extruded. G. G. Gilpin. 2,460,982, Feb. 8.
Furniture. E. A. Purnell. 2,461,082, Feb. 8
Game apparatus, Floating body. R. D. Young. 2,461,461, Feb. 8.
Garment hanger. J. E. Ericson. 2,461,149, Feb. 8.
Garment hanger. F. B. Saunders. 2,460,905, Feb. 8.
Garment hanging screen. H. Derman. 2,460,978, Feb. 8.
Garment, Lady's. D. Gourdon. 2,460,882, Feb. 8.
Gas separation including impurity removing steps. P. E. Trumpler. 2,460,859, Feb. 8.
Gas turbine installation. C. Seippel. 2,461,186, Feb. 8.
Gasoline, Manufacturing high antiknock synthesis. A. R. Goldsby. 2,461,153, Feb. 8.
Gauge: *See*—
Floating caliper gauge. Vacuum gauge.
Shaft taper gauge.
Gauging apparatus for checking the relative alignment of reference planes of spaced articles. H. W. Clifford. 2,461,143, Feb. 8.
Gear: *See*—
Aircraft landing gear.
Gelatin, Preparing. R. E. Damschroder and M. E. Kauffman. 2,460,809, Feb. 8.
Gelatin subbing composition. B. P. Easton. 2,461,467, Feb. 8.
Gelatin subbing compositions containing a mixture of formamide and glycerol-a-chlorohydrin. F. J. Kaszuba. 2,461,472, Feb. 8.
Gelatin subbing compositions containing an unsaturated lactone. F. J. Kaszuba. 2,461,477, Feb. 8.
Gelatin subbing compositions containing ascorbic acid (vitamin C). F. J. Kaszuba. 2,461,475, Feb. 8.
Gelatin subbing compositions containing lactones or hydroxy lactones. F. J. Kaszuba. 2,461,476, Feb. 8.
Gelatin subbing compositions having antistatic properties. F. J. Kaszuba. 2,461,473–4, Feb. 8.
Gelatin subbing compositions having antistatic properties. F. J. Kaszuba. 2,461,478, Feb. 8.
Generating apparatus, Tachometer. J. H. Nilson and V. C. Westberg. 2,460,999, Feb. 8.
Generator: *See*—
Fractional frequency generator. Pulse generator.
Signal generator.
Generator mounting. W. K. Bodger. 2,461,195, Feb. 8.
Gluing machine. R. Minkow. 2,461,388, Feb. 8.
Glutaric acid, Manufacture of. L. A. Mikeska. 2,461,336, Feb. 8.
Golf cup. D. Matheny. 2,461,386, Feb. 8.
Grid structure for electric discharge devices. R. P. Watson. 2,461,303, Feb. 8.
Grinder and polisher, Roll. W. H. Wilkes. 2,461,459, Feb. 8.
Guide, Bending machine abutment. H. M. Shuff. 2,460,951, Feb. 8.
Guide, Welding. B. W. Wright. 2,460,914, Feb. 8.
Hair-waving unit. F. M. Winkel. 2,461,101, Feb. 8.
Handle: *See*—
Replacement door handle.
Handle control for suction cleaners and the like. H. B. White. 2,461,458, Feb. 8.
Handle for containers, Collapsible. J. S. Allen. 2,460,915, Feb. 8.
Handles, Making tool. C. J. Coberly, Jr. 2,460,874, Feb. 8.
Hanger: *See*—
Garment hanger. Trouser hanger.
Lug strap hanger. Wall bracket hanger.
Suspension hanger.
Hanger. J. W. Reynolds. 2,460,946, Feb. 8.
Hanger assembly, Clothes. D. C. Myers. 2,460,997, Feb. 8.
Harness, Loom. J. J. Kaufmann. 2,461,496–7, Feb. 8.

Harness, Multiconductor electric. F. E. Knam. 2,460,830, Feb. 8.
Hat and tie holder. F. A. Reinke. 2,461,172, Feb. 8.
Headrest, Collapsible. A. Marshall. 2,460,942, Feb. 8.
Heat protection for motion-picture projectors, Double shutter. J. G. Capstaff. 2,461,140, Feb. 8.
Heat-treating apparatus, Electromagnetic induction. H. E. Somes. 2,460,855, Feb. 8.
Heater construction, Unit. D. W. Christensen. 2,461,409, Feb. 8.
Heater for use with pipe bending apparatus, Induction. G. H. Hille. 2,461,323, Feb. 8.
Heater with altitude controlled combustion air feed, Airplane. F. O. Hess. 2,460,983, Feb. 8.
Helicopter adapted to be attached to a pilot. H. T. Pentecost. 2,461,347, Feb. 8.
Helicopter of the coaxial wing type. H. T. Pentecost. 2,461,348, Feb. 8.
High-frequency heating regulator. J. P. Jordan. 2,461,283, Feb. 8.
Hindered settling classification. E. C. Bitzer. 2,460,801, Feb. 8.
Hoist clamp. A. J. Plante. 2,461,394, Feb. 8.
Hoisting device. R. Trombley. 2,461,401, Feb. 8.
Holder: *See*—
Automatic fish pole holder.
Ejector type welding electrode holder.
Hat and tie holder.
Label holder.
Packing holder.
Pencil holder.
Photographic film and screen holder.
Tackless display holder.
Tire chain holder.
Work holder.
Holder and snuffer, Taper. E. D. Muzzy. 2,461,124, Feb. 8.
Holder for pressing machines, Cover. M. Spicer, Jr. 2,460,953, Feb. 8.
Holder for thermionic valves and like electrical devices and securing it to supports. G. Wagstaff. 2,461,487, Feb. 8.
Holder or the like, Handbag. M. W. Mettenleiter. 2,461,071, Feb. 8.
Holding device. W. Petty. 2,461,440, Feb. 8.
Hose coupling. L. A. Lamb. 2,460,833, Feb. 8.
Hose coupling. G. K. Mozingo. 2,461,074, Feb. 8.
Hose fitting mechanism. J. G. Dahlem. 2,461,312, Feb. 8.
Housing joint. J. E. Whitfield. 2,460,957, Feb. 8.
Hub and associated blades, Propeller. J. H. Sheets and M. E. Cushman. 2,460,910, Feb. 8.
Hydraulic circuit. M. W. Huber. 2,461,279, Feb. 8.
Hydraulic system for controlling the operation of rotary hydraulic motors. R. K. Jeffrey. 2,461,116, Feb. 8.
Hydrocarbon resins and products thereof, Treatment of. F. J. Soday. 2,461,004, Feb. 8.
Hydrocarbons in the presence of a gaseous diluent, Dehydrogenation of. C. J. G. Leesemann. 2,461,331, Feb. 8.
Hydrocarbons, Separation of. J. A. Patterson. 2,461,346, Feb. 8.
Ignition apparatus. M. G. Weatherly. 2,461,098, Feb. 8.
Ignition circuit. R. J. Miller. 2,461,293, Feb. 8.
Ignition device for ionic valves. U. Lamm. 2,461,428, Feb. 8.
Ignition system. W. E. Brown. 2,461,196, Feb. 8.
Imidazolines and making same. M. Hartmann and H. Isler. 2,461,156, Feb. 8.
Implement balance control link spring. H. W. Schwarz. 2,460,847, Feb. 8.
Indicating device, Pressure responsive. W. E. Naylor. 2,461,075, Feb. 8.
Indicator: *See*—
Aim indicator.
Aircraft structural limit indicator.
Soil moisture indicator.
Inhaler. P. H. Todd. 2,460,955, Feb. 8.
Inhibiting acidic corrosion in wells. P. S. Viles and E. Q. Camp. 2,461,359, Feb. 8.
Ink, White writing. W. E. Decker. 2,460,925, Feb. 8.
Instrument for testing the accuracy of the angle between two prism faces. B. E. Luboshez. 2,461,166, Feb. 8.
Insulating device, Vibration. N. Ivanovic. 2,460,820, Feb. 8.
Insulation and manufacture, Plastic. M. R. Ximenez, J. H. Ferguson, and S. C. Bunce. 2,460,962, Feb. 8.
Iron and stand, Pressing. W. P. Fox. 2,461,264, Feb. 8.
Iron-oxide type catalysts, Preparing pelleted. E. P. Davies and F. T. Eggertsen. 2,460,811, Feb. 8.
Isocyanate derivatives of proteins, Preparation of. H. L. Fraenkel-Conrat and H. S. Olcott. 2,460,980, Feb. 8.
Jig, Semiautomatic. R. S. De Martini. 2,460,812, Feb. 8.
Joint: *See*—
Housing joint.
Pipe joint.
Safety joint.
Steam joint.
Joint for pipes, Adapter. H. L. White. 2,461,100, Feb. 8.
Joint protector. T. E. Meany. 2,460,895, Feb. 8.
Kite, Airplane. R. P. Willis. 2,460,959, Feb. 8.
Knockdown sheet metal cabinet. H. Lew. 2,461,219, Feb. 8.
Label holder. L. A. Amis. 2,461,103, Feb. 8.
Labelling machine. R. J. Newman and D. S. Freund. 2,461,295, Feb. 8.
Latch: *See*—
Refrigerator latch.
Latching device, Flush type. W. A. Paxton. 2,461,393, Feb. 8.
Lateral film edge pressure spring. C. H. Jacobson. 2,461,471, Feb. 8.
Lead, Refining of. W. T. Isbell. 2,461,280, Feb. 8.
Level device employing a light reflecting liquid surface as a horizontal reference surface. G. H. Lovins. 2,460,836, Feb. 8.
Leveling machine. F. V. Hart. 2,460,933, Feb. 8.
Lever attachment, Clutch. S. E. Shullaw. 2,460,911, Feb. 8.
Lighter. R. F. Landwehr. 2,461,329–30, Feb. 8.
Lighting apparatus. L. Schepmoes. 2,461,445, Feb. 8.
Lining composition, Refractory. W. C. Cress. 2,461,146, Feb. 8.
Liquid treating unit. R. M. Major. 2,461,334, Feb. 8.
Loader, Shovel. H. M. Stueland. 2,461,093, Feb. 8.
Lock for hinged handle utensils, Handle. J. W. Mockabee. 2,460,840, Feb. 8.
Loom fork filling motion. G. E. Cleatimack. 2,461,493, Feb. 8.
Lubricating means, Pump. C. F. Duerr, Jr. 2,460,814, Feb. 8.
Lug strap hanger. F. Buchanan. 2,461,138, Feb. 8.
Machine core member, Dynamoelectric. A. F. Ordas. 2,461,296, Feb. 8.
Machine for applying surface decorations to bottles and jars. A. S. Jackson and C. A. Heyne. 2,461,281, Feb. 8.
Machine for assorting eggs according to weight. A. A. Brown. 2,461,308, Feb. 8.
Machine for marking cylindrical articles. D. F. Putnam and C. F. Robbins. 2,461,233, Feb. 8.
Magazine for fastener applying implements. C. M. Lindstrom. 2,461,165, Feb. 8.
Magnesium base alloys, Producing. A. J. Murphy, P. Wood, and R. J. M. Payne. 2,461,229, Feb. 8.
Magnesium from its ores, Preparation of. L. C. Sturbelle. 2,461,009, Feb. 8.
Magnetic separator. R. H. Stearns. 2,461,008, Feb. 8.
Magnetic transducing apparatus utilizing a helical sound trace. W. E. Bradley. 2,461,368, Feb. 8.
Manicure case. C. G. Prestien. 2,461,177, Feb. 8.
Massaging roller. L. J. Dirand. 2,461,413, Feb. 8.
Mat formation. P. Modigliani and H. E. Holcomb. 2,460,899, Feb. 8.
Match book, vest pocket size. C. Hansen. 2,461,380, Feb. 8.
Mattress, Sanitary. C. B. Kane. 2,461,062, Feb. 8.
Measuring device, Distance. W. D. Hershberger. 2,461,213, Feb. 8.
Measuring system, Electrical. F. G. Kelly. 2,461,425, Feb. 8.
Meat, Manufacture of dried. H. H. McKee. 2,461,291, Feb. 8.
Mechanism applicable to rotary pumps, motors, etc. R. F. Moulton. 2,461,073, Feb. 8.
Mechanism for free-piston compressors, Constant stroke. D. E. Meitzler. 2,461,225, Feb. 8.
Mechanism for molding machines, Injector. C. Jobst. 2,461,282, Feb. 8.
Mechanism for motion-picture projectors, Pulldown. M. R. Hutchison, Jr. 2,461,159, Feb. 8.
Mechanism for signal lights and the like, Switch. L. Rostoker. 2,461,236, Feb. 8.
Metal, Atomized. G. J. Le Brasse and H. E. Francis. 2,460,991, Feb. 8.
Metal, Atomizing. G. J. Le Brasse and H. E. Francis. 2,460,992, Feb. 8.
Metal-casting mold. C. H. Welch. 2,461,099, Feb. 8.
Metals, Producing finely divided. M. Raney. 2,461,396, Feb. 8.
Meter: *See*—
Torque meter.
Mirror, Illuminated. R. De Virgilis. 2,461,315, Feb. 8.
Mixing and separating apparatus. E. R. Kanhofer. 2,460,987, Feb. 8.
Modulating system. J. J. Antalek. 2,461,307, Feb. 8.
Modulator, Electronic frequency. A. D. Zappacosta. 2,461,364, Feb. 8.
Mold: *See*—
Balloon mold.
Metal-casting mold.
Molding, Method and apparatus for. G. J. Kovacs. 2,460,831, Feb. 8.
Molecular alcohols, Producing higher. V. Blinoff. 2,460,969, Feb. 8.
Molybdenum compounds, Preparation of. M. C. Carosella. 2,460,974, Feb. 8.
Molybdenum compounds, Recovery of. M. C. Carosella. 2,460,975, Feb. 8.
Motion-picture titler. H. E. Kleintop. 2,461,285, Feb. 8.
Motor: *See*—
Two-stroke motor.
Motor fuel, Manufacturing. L. C. Kemp, Jr. 2,461,064–5, Feb. 8.
Mount for optical elements, Adjustable. F. J. Wolff, Jr. 2,461,190, Feb. 8.
Mount, Plant label. B. M. Green. 2,461,054, Feb. 8.
Mounting: *See*—
Camera objective mounting.
Generator mounting.
Mounting for vehicles, License plate. A. G. Goldberg. 2,461,114, Feb. 8.
Mounting of collector and free-piston gas generators. R. S. Thompson. 2,461,245, Feb. 8.
Mulling apparatus. W. F. Piper. 2,461,176, Feb. 8.
Multiply pasted end bag. E. B. Hoppe. 2,460,886, Feb. 8.

N-acylphenothiazines. P. S. Winnek and H. E. Faith. 2,461,460, Feb. 8.
Neck straightening device for musical instruments. W. W. Nelson. 2,460,943, Feb. 8.
Network, Transformer. R. G. Stephenson and W. M. Bush. 2,461,091, Feb. 8.
Nitriles, Manufacture of. P. Oxley, T. D. Robson, A. Koebner, and W. F. Short. 2,461,437, Feb. 8.
Oarlock, Portable. S. A. Black. 2,461,256, Feb. 8.
Oar protector. G. H. Sterling. 2,461,092, Feb. 8.
Ocarina. W. W. Gretsch. 2,460,931, Feb. 8.
Oil base drilling fluid. E. S. Self. 2,461,483, Feb. 8.
Oil filter. W. J. Kolnsan. 2,460,888, Feb. 8.
Oil, Manufacture of lubricating. F. C. Toettcher. 2,461,454–6, Feb. 8.
Oil, Manufacture of lubricating. F. C. Toettcher and J. R. Coley. 2,461,453, Feb. 8.
Oils, Dewaxing. C. F. Holm and B. K. Engel. 2,461,115, Feb. 8.
Opener and reshaper, Can. A. H. Withrow. 2,461,015, Feb. 8.
Operating mechanism, Valve. C. S. Davis. 2,461,313, Feb. 8.
Operating table. M. L. Sweat. 2,460,857, Feb. 8.
Organometallic compound. L. A. Mikeska. 2,461,335, Feb. 8.
Oscillating vane rotary pump. J. O. Hamren. 2,460,821, Feb. 8.
Overload protection device for power transmission apparatus. J. W. Drisko. 2,461,261, Feb. 8.
Package holder. F. W. Schmiedeberg. 2,460,906, Feb. 8.
Pad: *See*—
Scouring pad.
Paints containing a leafing pigment, Water-in-oil emulsion. V. R. Smith and D. E. Stevens. 2,461,352, Feb. 8.
Pallet. W. J. Philp and C. W. Parmentier. 2,461,297, Feb. 8.
Paper, Coating. H. E. Nelson. 2,460,998, Feb. 8.
Paper, Manufacture of. K. Crabtree. 2,461,109, Feb. 8.
Pattern material, pattern and method. R. W. Erdle and C. H. Schaar. 2,461,416, Feb. 8.
Peashooter, Stock supported. R. Daily. 2,460,924, Feb. 8.
Pedal, Bicycle. R. J. Gamble. 2,461,049, Feb. 8.
Peeling machine including travelling screw driven cutters, Vegetable. E. J. Anderson. 2,461,249, Feb. 8.
Pencil holder. L. Margulies. 2,461,221, Feb. 8.
Pencil, Mechanical. R. Brosseau. 2,461,408, Feb. 8.
Phase modulation system. R. Adler. 2,460,965, Feb. 8.
Photographic film and screen holder. W. L. Appling. 2,461,405, Feb. 8.
Photographic process for converting black-and-white or monochrome pictures into multicolor pictures. R. M. Haff. 2,461,469, Feb. 8.
Photography, Composite. L. B. Pickley. 2,461,127, Feb. 8.
Pillow, Folding mechanical. E. Moyers. 2,461,434, Feb. 8.
Pipe bowl turning machine. J. L. Rettke and E. H. Otto. 2,461,443, Feb. 8.
Pipe-cleaning machine. W. A. Kraner. 2,460,989, Feb. 8.
Pipe connection. W. H. Francisco, Jr., E. C. Steiner, and H. C. Hill. 2,460,981, Feb. 8.
Pipe connection. H. C. Hill and W. H. Francisco. 2,460,984, Feb. 8.
Pipe joint. C. W. Miskimen. 2,461,337, Feb. 8.
Piston, Pump. H. C. Sander. 2,460,948, Feb. 8.
Plastic mass in a liquid, Mixing a. C. I. F. Hjort and O. V. E. Jansa. 2,460,884, Feb. 8.
Plate and release bar, Safety strike. V. M. King. 2,461,426, Feb. 8.
Plates of welded ships, Arresting the cracking of the. F. M. MacCutcheon, Jr., D. F. Windenburg, and S. K. Smith. 2,460,893, Feb. 8.
Playground slide. G. W. Packer. 2,461,345, Feb. 8.
Playing steel. H. H. Pulsifer. 2,461,232, Feb. 8.
Plug: *See*—
Resonant spark plug.
Plug valve. J. R. Donaldson. 2,461,041, Feb. 8.
Plunger structure. H. E. Brandt. 2,461,106, Feb. 8.
Polishing attachment for electric sweepers. M. E. Cameron. 2,461,369, Feb. 8.
Polyalkylated cyclic sulfone halohydrins. R. C. Morris and J. L. Van Winkle. 2,461,340, Feb. 8.
Polyamides. D. E. Floyd. 2,461,495, Feb. 8.
Polyhydric alcohols, Separation of. E. J. Lorand. 2,461,220, Feb. 8.
Polymerizable chemicals. P. O. Tawney. 2,461,301, Feb. 8.
Polymerisation of conjugated diolefins, Low-temperature, hydrogen fluoride catalyzed. J. D. Calfee and J. H. Pearson. 2,460,973, Feb. 8.
Polymerization of organo-polysiloxanes with acid-activated bleaching earth. E. C. Britton, H. C. White, and C. L. Moyle. 2,460,805, Feb. 8.
Polystyrene, Making plastic. J. W. Church. 2,460,976, Feb. 8.
Portable door fastener. H. F. Sands. 2,461,398, Feb. 8.
Posture system. D. M. Ackerman. 2,461,102, Feb. 8.
Power and speed transmission, Variable. H. C. Barnack. 2,461,022, Feb. 8.
Power machine, Fluid. J. H. Crumble. 2,461,037, Feb. 8.
Power system, Electric. P. J. Walsh. 2,461,133, Feb. 8.
Presser, Trouser. I. P. Sowers. 2,461,006, Feb. 8.
Pressure pump. J. M. Schmied. 2,460,949, Feb. 8.
Pressure-regulating valve. J. E. Dube. 2,461,415, Feb. 8.
Pressure unit, Fluid. B. H. Urschel and L. H. Janser. 2,461,132, Feb. 8.
Printing apparatus, Signal-controlled. H. L. Tholstrup. 2,461,451, Feb. 8.
Process and composition for coloring copper and copper alloy surfaces. W. R. Meyer. 2,460,898, Feb. 8.
Process to produce a stabilized protein-formaldehyde dispersion. L. L. McKinney. 2,461,070, Feb. 8.
Progressive drawer support. R. Christopherson. 2,460,923, Feb. 8.
Projecting system, Motion-picture. F. H. Whiteley. 2,460,864, Feb. 8.
Projection and plotting device. W. L. Morey and R. A. Taylor. 2,460,841, Feb. 8.
Projection apparatus for training mechanisms. R. B. Johnson. 2,461,423, Feb. 8.
Prop, Clothesline. W. L. Baumeier. 2,460,916, Feb. 8.
Propeller. R. K. Odor. 2,460,902, Feb. 8.
Protector: *See*—
Joint protector.
Oar protector.
Protein from seeds, Extraction of. R. L. Wormell, A. F. Millidge, and C. L. Knight. 2,461,404, Feb. 8.
Proteins from milk products, Separation of. A. Leviton. 2,460,891, Feb. 8.
Pulse generator. M. Fischman. 2,461,110, Feb. 8.
Pulses, Production of electric. E. A. Guillemin. 2,461,321, Feb. 8.
Pump: *See*—
Electromagnetic pump.
Fluid pump.
Oscillating vane rotary pump.
Pressure pump.
Pump using deep well for a heat source, Heat. M. M. Smith and E. N. Kemler. 2,461,449, Feb. 8.
Pump with elastic rotor sealing rib, Rotary. J. Simer and E. E. Cook. 2,460,952, Feb. 8.
Pyrylium dye salts as filter and antihalation dyes in photographic materials. T. R. Thompson. 2,461,484, Feb. 8.
Quick-change battery support. H. C. Riggs. 2,461,002, Feb. 8.
Rack: *See*—
Receptacle supporting rack.
Radiation filter. M. O. Bassett. 2,461,254, Feb. 8.
Radio circuits, Oscillator-amplifier. J. J. Antalek. 2,461,306, Feb. 8.
Radio echo equipment, Testing. F. C. Isely. 2,460,827, Feb. 8.
Radio protective device. L. M. Hollingsworth and L. D. Smullin. 2,461,158, Feb. 8.
Rail for perambulators, Guard. S. Karson. 2,461,063, Feb. 8.
Reamer, Cylinder ridge. H. A. Berkman. 2,461,490, Feb. 8.
Receiver, Wide-band superheterodyne. W. H. Newbold. 2,460,900, Feb. 8.
Receptacle supporting rack. H. W. Custer. 2,461,374, Feb. 8.
Record handling and copying apparatus. A. E. Schubert and H. P. Hintz. 2,461,185, Feb. 8.
Recording apparatus. C. M. Hathaway. 2,461,322, Feb. 8.
Rectifier of the dry surface contact type, Alternating electric current. R. G. Sell and L. E. Thompson. 2,461,087, Feb. 8.
Reel: *See*—
Fishing reel.
Reel drive, Weight controlled. D. Canady. 2,461,033, Feb. 8.
Reel with adjustable drum port, Cable. A. A. Bureau. 2,460,972, Feb. 8.
Reflecting device. P. Rosenberg. 2,461,181, Feb. 8.
Refrigerant from the supply line to a compressor, Removal of liquid. J. W. Obreiter, Jr. 2,461,342, Feb. 8.
Refrigerating apparatus, Food. K. Eftihios. 2,461,375, Feb. 8.
Refrigerating means for dough mixers. M. A. Sticelber. 2,461,450, Feb. 8.
Refrigeration. N. E. af Kleen. 2,461,262, Feb. 8.
Refrigerator latch. H. Wallace. 2,461,361, Feb. 8.
Regulator: *See*—
High-frequency heating regulator.
Relay. A. W. Vincent. 2,461,360, Feb. 8.
Remote-control apparatus. H. L. Blum. 2,461,407, Feb. 8.
Remover, Bottle cap. A. Di Geronimo. 2,461,040, Feb. 8.
Replacement door handle. L. P. Roy. 2,461,085, Feb. 8.
Resin compositions, Forming granulated synthetic. L. Smidth. 2,461,089, Feb. 8.
Resins with the aid of aluminum alkoxide, Production of organopolysiloxane. A. J. Barry. 2,460,799, Feb. 8.
Resonant spark plug. O. T. McIlvaine. 2,461,168, Feb. 8.
Retainer for journal boxes, Packing. M. Lagreid and J. H. McGuire. 2,461,287, Feb. 8.
Ring and traveler, Spinning. H. E. Herr. 2,461,470, Feb. 8.
Rocket holding device. M. R. Goff. 2,460,929, Feb. 8.
Rod and plunger connection, Connecting. R. J. Hess. 2,461,056, Feb. 8.
Rope clamp. W. M. and J. A. Forsythe. 2,461,205, Feb. 8.
Rope splice, Wire. V. C. J. Peterson and H. M. Wilson. 2,461,079, Feb. 8.
Rosary unit. C. C. Szaj. 2,461,130, Feb. 8.
Rotary internal-combustion engine. C. A. Gilson. 2,461,377, Feb. 8.

Rotor construction for turbines. C. R. Soderberg. 2,461,242, Feb. 8.
Rotor for multistage axial flow compressors and turbines. L. T. Whitehead. 2,461,402, Feb. 8.
Rotor for turbines, Constant speed. J. A. Senn. 2,460,840, Feb. 8.
Rotors, Cooling turbine. J. Schuster, Jr. 2,461,239, Feb. 8.
Rubber, Reclaiming scrap vulcanized. F. H. Banbury, D. A. Comes, and C. F. Schnuck. 2,461,192, Feb. 8.
Safety control, Oil pressure. C. R. Neeson. 2,461,076, Feb. 8.
Safety device, Airplane flight. S. R. Ours. 2,460,843, Feb. 8.
Safety joint. W. L. Church. 2,461,107, Feb. 8.
Sampling device, Automatic. G. C. Fairbairn. 2,461,045, Feb. 8.
Saving power. G. D. Hanchett, Jr. 2,460,883, Feb. 8.
Scouring apparatus. C. A. Dreisbach. 2,460,926, Feb. 8.
Scouring pad. N. O. Ellström. 2,461,468, Feb. 8.
Screen: *See*—
Garment hanging screen.
Seal for gas compressors. E. Nathan. 2,461,294, Feb. 8.
Seal for turbines, Diaphragm. C. R. Soderberg. 2,461,243, Feb. 8.
Seat: *See*—
Collapsible or folding infant's auto seat.
Securing means for water-tight doors, Quick-acting. D. G. Wilson. 2,460,961, Feb. 8.
Seismic surveying. J. O. Parr, Jr. 2,461,173, Feb. 8.
Self-sealing gasoline tank. H. P. Wagner. 2,461,096, Feb. 8.
Separator: *See*—
Magnetic separator.
Settling method and apparatus. L. H. Logue. 2,460,834, Feb. 8.
Sewing machine. M. G. Ivandick. 2,460,828, Feb. 8.
Shaft taper gauge. W. L. Smith. 2,460,854, Feb. 8.
Shaped and carbonised articles from coal, Production of. J. G. Bennett, D. B. Foster, C. D. Greaves, G. C. Phillpotts, M. Pirani, and W. J. Kramers. 2,461,365, Feb. 8.
Shaping machine, Box. W. H. Lisle. 2,460,892, Feb. 8.
Sharpener, Razor blade. J. T. King. 2,461,161, Feb. 8.
Shears. S. M. Carper. 2,461,870, Feb. 8.
Sheet stretching mechanism. F. Feldmeier. 2,461,376, Feb. 8.
Shelf for electrical apparatus. L. T. Holden. 2,461,157, Feb. 8.
Shield for vehicles, Mud or splash. R. Ely. 2,461,044, Feb. 8.
Shift keying, Frequency. G. L. Usselman. 2,461,456, Feb. 8.
Shock absorber. H. J. Kent. 2,461,066, Feb. 8.
Shoe outsole. M. Margolin. 2,460,838, Feb. 8.
Shoes, Making slip lasted welt. J. Meltzer. 2,461,226, Feb. 8.
Shredding device, Vegetable and fruit. J. M. Newman. 2,460,901, Feb. 8.
Signal device for blind pedestrians, Street crossing. E. M. Smith. 2,461,448, Feb. 8.
Signal generator. B. D. Loughlin. 2,461,120, Feb. 8.
Signaling system, Coded. F. H. Nicholson. 2,461,077, Feb. 8.
Silver halide emulsions, Photographic. C. E. Barnes and W. O. Ney, Jr. 2,461,023, Feb. 8.
Skate. A. Hirschman. 2,461,057, Feb. 8.
Skate, Roller. G. A. Reich. 2,461,128, Feb. 8.
Ski-scooter. O. H. Dunkel. 2,460,815, Feb. 8.
Skimming device. T. W. F. Foster. 2,461,112, Feb. 8.
Skipperproof meat case. F. W. Mewherter and E. E. Smith. 2,461,227, Feb. 8.
Skiver, Leather. O. E. Zahn. 2,461,462, Feb. 8.
Slashing yarns, Method and apparatus for. R. A. Smith and J. S. Chaya. 2,461,090, Feb. 8.
Snap switch. H. E. Malone. 2,460,837, Feb. 8.
Soap dabber. F. A. Fortino. 2,461,319, Feb. 8.
Soap-thickened compositions and apparatus therefor, Manufacture of. C. R. Hetherington. 2,461,276, Feb. 8.
Soil moisture indicator. M. L. and J. H. Flinspach. 2,461,111, Feb. 8.
Soldering flux, Bensilic acid. T. A. Hale. 2,461,154, Feb. 8.
Soldering flux, Naphthoic acid. T. A. Hale. 2,461,155, Feb. 8.
Sole element for footwear, Transversely rigid, longitudinally flexible, internal. G. Supple. 2,461,355, Feb. 8.
Speed control for electric motors. W. H. Elliot. 2,460,927, Feb. 8.
Spinning machine. F. J. Coad. 2,461,466, Feb. 8.
Splitting machine. G. Haselton. 2,460,934, Feb. 8.
Spool for films, Developing. A. V. L. C. Debrie. 2,461,039, Feb. 8.
Sprayer, Liquid. H. G. Walters. 2,460,861, Feb. 8.
Spring: *See*—
Implement balance control link spring.
Lateral film edge pressure spring.
Stand: *See*—
Universal attachment stand.
Starch ester derivatives and making same. C. G. Caldwell. 2,461,130, Feb. 8.
Starting a fine heavy media separation plant. E. C. Bitser. 2,460,802, Feb. 8.
Steam and hot water boiler. H. A. Girouard. 2,461,061, Feb. 8.
Steam joint. R. Carpenter. 2,460,872, Feb. 8.
Steel polishing, Electrolytic stainless. I. C. Clingan. 2,461,035, Feb. 8.
Steel polishing, Stainless. I. C. Clingan. 2,461,036, Feb. 8.
Stereotype plate casting box. F. A. Foster. 2,461,151, Feb. 8.
Stilboestrol with camphor, Reaction of. R. H. Marriott and W. W. Myddleton. 2,460,941, Feb. 8.
Storage device, Electrical. J. C. Cook. 2,461,144, Feb. 8.
Stove, Downdraft. L. Lockwood. 2,461,066, Feb. 8.
Stretcher, Leg and sleeve. S. W. Henderson. 2,461,381, Feb. 8.
String closure affixing machine. S. Kilinski. 2,461,327, Feb. 8.
Sugar, Production of invert. W. A. La Lande, Jr. 2,461,163, Feb. 8.
Sulfolanyl amines, Secondary. R. C. Morris and A. V. Snider. 2,461,341, Feb. 8.
Support: *See*—
Centering support.
Curtain support.
Dispenser support.
Progressive drawer support.
Quick-change battery support.
Support for use in loading pallets or the like, Temporary. A. W. Moffat. 2,461,479, Feb. 8.
Supporting device. J. C. Bridges. 2,460,970–1, Feb. 8.
Suspension hanger. F. W. Stanke and L. F. Bender. 2,460,856, Feb. 8.
Switch: *See*—
Coin actuated electrical switch.
Electric switch.
Snap switch.
Tire deflation switch.
Syringe, Hypodermic. Z. M. Roehr. 2,461,481, Feb. 8.
Table: *See*—
Operating table.
Tackless display holder. T. E. Thomas. 2,461,400, Feb. 8.
Tank: *See*—
Self-sealing gasoline tank.
Tank for 35 mm. film, Developing. J. P. Mancuso. 2,461,289, Feb. 8.
Tantalum nitride, Production of. P. P. Alexander. 2,461,020, Feb. 8.
Tester, Photographic synchroniser. J. E. Wilcox, Jr. 2,461,403, Feb. 8.
Testing apparatus, Electrical insulation. S. G. Luts. 2,460,835, Feb. 8.
Testing device, Magnetic. W. B. Ellwood. 2,461,202, Feb. 8.
Therapeutic curare preparations, Standardization of. H. A. Holaday. 2,461,278, Feb. 8.
Thermal apparatus for compressing gases. V. Bush. 2,461,032, Feb. 8.
Thioethers of cyclic sulfones, Unsaturated. R. C. Morris, J. L. Van Winkle, and E. C. Shokal. 2,461,339, Feb. 8.
3-chloro methacrylonitrile, Production of. J. L. Mostek. 2,460,996, Feb. 8.
Timber sawing apparatus, Tractor-mounted. E. R. L. Kelly. 2,461,384, Feb. 8.
Timing device. G. R. F. Gay. 2,461,266, Feb. 8.
Timing system, Electronic. D. P. Faulk. 2,460,816, Feb. 8.
Tire chain holder. M. Givens. 2,461,267, Feb. 8.
Tire deflation switch. C. E. Sullivan. 2,461,299, Feb. 8.
Titanium nitride, Production of. P. P. Alexander. 2,461,018, Feb. 8.
Toilet seat cover. M. Joyce. 2,461,160, Feb. 8.
Toluenesulfonates. A. W. Anish. 2,461,463, Feb. 8.
Tool: *See*—
Chamfering tool.
Cutting tool.
Torque tool.
Tool and handle, Combination. F. W. Coffing. 2,461,108, Feb. 8.
Tool for reconditioning valves. J. W. Jackson. 2,460,985, Feb. 8.
Torch, Flashlight. J. G. Lippincott. 2,461,118, Feb. 8.
Torpedo nets, Making. A. E. Brickman. 2,461,030, Feb. 8.
Torque meter. P. H. Palen. 2,461,001, Feb. 8.
Torque tool. R. E. Booth. 2,461,491, Feb. 8.
Toy train, Magnetic. C. R. Shortt. 2,461,068, Feb. 8.
Track, Endless. T. P. Flynn and T. Coldwell. 2,461,150, Feb. 8.
Tractor boom, Telescoping. G. B. and A. C. Moulton. 2,461,433, Feb. 8.
Trailer combination, Boat. E. J. Henningsen. 2,460,935, Feb. 8.
Transformer, Permeability tuned. K. B. Ross. 2,461,397, Feb. 8.
Transformer, Resonant differential. H. Schaevitz. 2,461,238, Feb. 8.

Transmission and receiving apparatus, Signal. H. F. Olson. 2,461,344, Feb. 8.
Transmission belt, Power. E. A. Miller. 2,461,169, Feb. 8.
Transmission for automatic lathes, Change-speed. E. Bodmer. 2,461,027, Feb. 8.
Transmission for garden tractors, Drive. J. F. Osterhaus. 2,461,861, Feb. 8.
Transmission mechanism, Automatic. C. W. Brooks. 2,461,258, Feb. 8.
Transmission, Ultra high frequency. G. C. Southworth. 2,461,005, Feb. 8.
Transmitter for driving sewing machines and the like, Electric. E. P. Turner. 2,461,504, Feb. 8.
Treating shoes with steam and hot air, Method of and apparatus for. M. Maeser. 2,460,940, Feb. 8.
Treating waste material containing rubber. F. H. Banbury, D. A. Comes, and C. F. Schnuck. 2,461,193, Feb. 8.
Tree felling and log cutting saw rig, Self-propelled. F. H. Stoner. 2,461,188, Feb. 8.
Tremolo producing device. A. L. Appel. 2,460,868, Feb. 8.
Triamino-benzene compounds, Preparation of symmetrical. J. Krueger. 2,461,498, Feb. 8.
Trichloromethyl diarylmethanes, Manufacture of. C. E. Wilson, Jr. 2,460,865, Feb. 8.
Tricurler. J. J. Morretta. 2,461,170, Feb. 8.
Trimmer, Paper. E. B. Murphy and S. Segal. 2,460,842, Feb. 8.
Tripod head, Panoraming. C. W. Peterson. 2,461,175, Feb. 8.
Trouser hanger. R. G. Rogalla. 2,461,179, Feb. 8.
Truck, Hand. R. C. Evans. 2,461,203, Feb. 8.
Truss rod bracket. F. W. Schwinn. 2,461,003, Feb. 8.
Tube and sealing the anode leadin, Rectifier discharge. D. G. S. Rubwandi. 2,461,237, Feb. 8.
Tube forming device. F. V. Collins. 2,461,372, Feb. 8.
Tube system and apparatus, Luminescent. C. P. Boucher and F. A. Kubl. 2,461,029, Feb. 8.
Turpentine, Refining. G. H. Spiittgerber. 2,461,007, Feb. 8.
2-amino-6-hydroxy-8-(hydroxymethyl) pteridine, Manufacture of. H. Spiegelberg and G. Rey-Bellet. 2,461,503, Feb. 8.
Twostroke motor. H. Convert. 2,461,199, Feb. 8.
2-3 methyl butadiene 1-3, Preparation of. D. W. Young and C. E. Britton. 2,461,362, Feb. 8.
Tying machine, Wire. K. E. Schulse. 2,460,846, Feb. 8.
Typewriter, Platenless. C. W. Dobn. 2,460,813, Feb. 8.
Umbrella pocket and umbrella. E. P. Montague. 2,461,390, Feb. 8.
Universal attachment stand. H. E. and J. C. Geiser, Jr. 2,460,880, Feb. 8.
Utility cover. G. Wormull. 2,461,247, Feb. 8.
Vacuum distillation of trimethylamine from dimethylamine. D. F. Babcock. 2,461,191, Feb. 8.
Vacuum gauge. D. H. Clewell and D. C. Pfeiffer. 2,460,873, Feb. 8.
Valve: *See*—
Control valve.
Crankcase ventilator valve.
Plug valve.
Pressure-regulating valve.
Valve for container filling machines, Filler. J. Kantor and E. Marovits. 2,461,326, Feb. 8.
Valve mechanism. W. M. Scott, Jr. 2,460,908, Feb. 8.
Vehicle chocking device. A. T. Wright. 2,461,248, Feb. 8.
Vehicle heating arrangement. B. E. Jones and J. B. Stanley. 2,461,434, Feb. 8.
Vent, Automatic. E. C. Parry. 2,461,892, Feb. 8.
View finder for photographic cameras. C. B. McCathron. 2,461,490, Feb. 8.
Wall bracket hanger. W. C. Craver. 2,461,145, Feb. 8.
Washing and extracting machine, Clothes. H. E. Page. 2,461,078, Feb. 8.
Washing machine, Can. E. R. Laird. 2,461,162, Feb. 8.
Water gas, Manufacture of. H. V. Atwell. 2,461,021, Feb. 8.
Waterproof shipping container. H. J. Grampp. 2,461,209, Feb. 8.
Water purifier, Electrolytic. T. C. Jones. 2,461,325, Feb. 8.
Wear indicating attachment for drilling bits. F. F. Lewis. 2,461,164, Feb. 8.
Web severing method and apparatus. J. T. Weyenberg. 2,461,246, Feb. 8.
Weft-straightening apparatus. J. D. Robertson. 2,461,084, Feb. 8.
Weld rod, Coated. E. C. Rollason. 2,461,180, Feb. 8.
Welding apparatus. H. Chanowits. 2,460,807, Feb. 8.
Welding apparatus and process, Automatic electric fusion. J. A. Kratz and H. G. Thoma. 2,460,990, Feb. 8.
Welding flux. K. H. Koopman. 2,460,988, Feb. 8.
Wheel: *See*—
Cushion vehicle wheel.
Wheel setting mechanism, Price. O. Wild, Jr. 2,461,488, Feb. 8.
Winding machine. R. Oppenheim. 2,461,231, Feb. 8.
Wire terminal, Electric. R. H. Bentley. 2,461,135, Feb. 8.
Work holder. T. E. Mead. 2,461,292, Feb. 8.
Work-holding means. C. O. Lassy. 2,460,890, Feb. 8.
Wrench with wedge adjustment, Cam-actuated plier. E. S. Hanson, Jr. 2,461,272, Feb. 8.
Xanthylium dye salts as filter and antihalation dyes in photographic materials. T. R. Thompson. 2,461,485, Feb. 8.
Yeast, Production of. S. O. Rosenqvist. 2,460,947, Feb. 8.
Yielding drive. W. M. Siesel. 2,461,447, Feb. 8.
Yokes for garment hangers, Making. W. Ludwig. 2,460,939, Feb. 8.
Zinciferous surfaces for electroplating, Method of and material for preparing. D. L. Miles. 2,461,228, Feb. 8.
Zirconium nitride, Production of. P. P. Alexander. 2,461,019, Feb. 8.

Stand: *See*—
Universal attachment stand.

Starch ester derivatives and making same. C. G. Caldwell. 2,461,139, Feb. 8.

Transformer, Permeability tuned. K. B. Ross. 2,461,397, Feb. 8.

Transformer, Resonant differential. H. Schaevitz. 2,461,236, Feb. 8.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 8, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 49: 2,461,165
2— 34: 2,460,895
49: 2,461,430
73: 2,460,882
91: 2,461,215
260: 2,461,309
311: 2,461,221
4— 177: 2,461,260
191: 2,461,354
235: 2,461,160
5— 71: 2,461,434
264: 2,461,432
353: 2,461,062
7— 14.2: 2,461,015
8— 17: 2,460,878
106: 2,461,105
9— 2: 2,460,935
26: 2,461,092
2,461,266
12— 1: 2,460,940
17: 2,461,462
34: 2,460,933
142: 2,461,226
15— 49: 2,461,269
142: 2,461,189
209: 2,461,466
16— 110: 2,460,840
17— 21: 2,461,466
18— 2.5: 2,460,993
20: 2,460,831
2,460,964
34: 2,460,832
41: 2,461,270
45: 2,460,842
47.3: 2,460,902
47.5: 2,460,811
2,461,094
55: 2,461,265
57: 2,461,480
58.7: 2,461,271
59: 2,460,874
19— 156: 2,460,899
22— 2: 2,461,151
131: 2,461,099
134: 2,461,112
158: 2,461,416
209: 2,461,052
23— 1: 2,461,104
51: 2,460,974
2,460,975
191: 2,461,018
2,461,019
2,461,020
285: 2,460,987
2,461,141
24— 19: 2,461,234
30.5: 2,460,983
71: 2,461,309
81: 2,461,205
96: 2,461,324
137: 2,461,333
201: 2,460,853
250: 2,461,083
26— 51: 2,461,084
28— 28: 2,461,090
80: 2,461,240
30— 31: 2,461,444
31— 56: 2,460,856
2,461,439
32— 19: 2,461,207
33— 21: 2,460,836
46: 2,461,122
147: 2,461,145
174: 2,460,854
180: 2,461,143
34— 24: 2,460,879
57: 2,461,124
58: 2,461,489
151: 2,461,318
35— 10: 2,460,877
36— 22: 2,461,355
33: 2,460,836
38— 36: 2,460,963
40— 4: 2,461,244
10: 2,461,064
186: 2,461,400
41— 42: 2,461,222
42— 25: 2,460,982
46— 28: 2,461,319
77: 2,460,923
45: 2,461,088
48— 206: 2,461,021
49— 77: 2,460,977
2,461,011
51— 7: 2,460,918
9: 2,460,989
13: 2,460,926
89: 2,460,919
80: 2,461,161
282: 2,461,459
54— 7: 2,460,912
56— 18: Re.23,083
241: 2,461,370
57— 130: 2,461,470
142: 2,461,079
157: 2,461,043
60— 14: 2,461,223
41: 2,461,186
2,461,239
44: 2,461,195
2,461,245
53: 2,461,116
2,461,279
63— 4: 2,461,430
5: 2,461,262
17: 2,461,013
104: 2,461,375
115: 2,461,342
120: 2,461,449
175.5: 2,460,859
64— 20: 2,461,447
65— 63: 2,461,204
67— 6: 2,461,124
7.1: 2,461,329
2,461,330
68— 23: 2,461,076
69— 18: 2,460,934
73— 136: 2,461,001
139: 2,461,491
182: 2,461,210
228: 2,461,351
335: 2,461,310
390: 2,460,873
422: 2,461,045
74— 44: 2,461,056
97: 2,460,911
110: 2,461,034
233: 2,461,169
348: 2,461,488
389: 2,461,027
470: 2,461,274
471: 2,461,194
2,461,378
594.4: 2,461,049
598: 2,461,373
675: 2,460,863
688: 2,461,022
732: 2,461,218
75— 0.5: 2,461,396
11: 2,461,442
67: 2,461,009
78: 2,461,280
163: 2,460,991
166: 2,461,229
171: 2,460,817
77— 2: 2,461,490
5: 2,460,812
58: 2,461,436
73.5: 2,461,431
81— 3.3: 2,461,040
32: 2,460,944
44: 2,461,272
84— 1.25: 2,460,868
269: 2,460,943
84— 319: 2,461,232
380: 2,460,981
87— 31: 2,461,387
88— 1: 2,460,836
1.5: 2,461,489
14: 2,461,166
2,461,403
16: 2,461,127
2,461,265
16.6: 2,460,864
17: 2,461,140
2,461,471
18.4: 2,461,139
34: 2,460,841
2,461,165
2,461,405
57: 2,461,182
2,461,357
80— 1.5: 2,461,406
1.7: 2,460,929
90— 10: 2,461,320
12.5: 2,460,985
91— 51: 2,461,388
92— 68: 2,461,109
93— 1: 2,460,930
2,461,327
26: 2,460,820
53: 2,460,892
94— 48: 2,461,500
95— 2: 2,461,469
7: 2,461,022
2,461,137
9: 2,461,484
2,461,485
22: 2,460,994
90.5: 2,461,289
94: 2,461,419
100: 2,460,871
97— 80: 2,460,847
98— 1.5: 2,461,415
99— 119: 2,461,117
133: 2,461,399
159: 2,461,291
163: 2,461,080
210: 2,460,986
269: 2,461,227
101— 38: 2,461,233
123: 2,461,281
102— 24: 2,461,209
103— 1: 2,461,032
53: 2,461,501
117: 2,460,952
129: 2,461,073
140: 2,460,821
173: 2,460,949
174: 2,461,235
183: 2,461,332
105— 197: 2,461,382
404: 2,460,982
106— 26: 2,460,925
68: 2,461,146
84: 2,460,878
135: 2,461,467
2,461,472
2,461,473
3,461,474
2,461,475
2,461,476
2,461,477
2,461,478
146: 2,461,070
266: 2,461,352
109— 19: 2,460,917
112— 288: 2,460,826
113— 95: 2,460,866
114— 79: 2,460,893
219: 2,460,913
230: 2,461,311
117— 76: 2,460,908
138: 2,461,302
119— 103: 2,460,857
140: 2,461,255
120— 17: 2,461,406
108: 2,461,221
122— 182: 2,461,081
408: 2,461,389
123— 16: 2,461,377
46: 2,461,222
2,461,224
73: 2,461,199
119: 2,461,206
122: 2,461,411
124— 12: 2,460,924
35: 2,461,042
126— 73: 2,461,068
110: 2,460,983
127— 31: 2,460,891
41: 2,461,163
128— 57: 2,461,102
2,461,413
96: 2,461,208
153: 2,461,047
200: 2,460,955
218: 2,461,481
129— 11: 2,461,050
24: 2,460,880
131— 243: 2,460,937
132— 35: 2,461,170
36.2: 2,461,101
79: 2,461,421
134— 72: 2,461,162
160: 2,461,113
135— 7.1: 2,461,014
136— 171: 2,461,002
137— 139: 2,461,313
144: 2,460,908
153: 2,461,036
138— 31: 2,461,037
89: 2,461,289
139— 92: 2,461,496
2,461,497
154: 2,461,138
375: 2,461,498
140— 11: 2,461,080
93: 2,460,846
143— 43: 2,461,188
2,461,384
144— 47: 2,461,443
146— 2: 2,460,887
43: 2,461,249
177: 2,460,901
148— 6.14: 2,460,896
2,460,898
6.20: 2,460,897
25: 2,461,154
2,461,155
26: 2,460,988
151— 21: 2,461,007
152— 10: 2,461,257
233: 2,461,367
153— 40: 2,460,951
154— 41: 2,461,006
42: 2,461,372
44: 2,460,848
155— 79: 2,461,367
123: 2,461,123
174: 2,460,942
182: 2,460,928
194: 2,461,055
2,461,082
158— 7: 2,461,420
160— 127: 2,460,973
161— 26: 2,461,379
164— 45: 2,460,842
48: 2,460,954
167— 67: 2,461,278
170— 159: 2,460,849
2,460,902
160.58: 2,460,910
171— 76: 2,460,839
97: 2,461,091
2,461,321
119: 2,460,921
171— 119: 2,461,029
2,461,328
2,461,397
209: 2,460,999
242: 2,460,922
252: 2,461,296
172— 36: 2,461,804
173— 259: 2,461,135
322: 2,461,427
326: 2,461,268
339: 2,461,467
70: 2,460,830
174— 138: 2,461,441
175— 183: 2,460,835
2,461,111
2,461,202
2,461,253
2,461,253
2,461,396
2,461,494
294: 2,460,860
318: 2,460,908
2,461,410
320: 2,461,060
345: 2,461,300
366: 2,461,087
177— 311: 2,461,075
337: 2,461,236
2,461,412
2,461,445
351: 2,461,425
352: 2,461,173
386: 2,461,181
178— 44: 2,461,061
179— 1: 2,461,344
2: 2,461,241
6.3: 2,460,986
16: 2,461,200
100.2: 2,461,365
171: 2,460,907
180— 17: 2,461,391
183— 91: 2,461,395
188— 32: 2,461,248
33: 2,461,253
81: 2,461,217
224.1: 2,461,183
190— 12: 2,460,938
41: 2,461,216
192— 53: 2,460,956
150: 2,461,298
194— 9: 2,461,486
97: 2,461,314
195— 91: 2,460,947
196— 18: 2,461,115
28: 2,461,069
82: 2,461,172
2,461,343
75: 2,461,453
2,461,454
2,461,455
197— 2: 2,460,813
20: 2,461,431
198— 33: 2,461,167
2,461,277
2,461,290
102: 2,460,920
200— 48: 2,460,818
58: 2,461,299
67: 2,460,837
116: 2,461,126
2,461,338
120: 2,460,967
163: 2,461,028
166: 2,460,819
202— 40: 2,461,371
52: 2,461,191
57: 2,461,048
43: 2,461,350
140: 2,461,035
2,461,036
163: 2,461,142
204— 248: 2,461,325
208— 29: 2,461,320
46: 2,460,797
209— 18: 2,460,801
121: 2,461,308
173: 2,460,802
228: 2,461,008
297: 2,461,366
210— 17: 2,461,334
55: 2,460,874
122.5: 2,460,886
211— 23: 2,460,945
33: 2,461,178
80: 2,461,157
103: 2,461,417
105.3: 2,461,457
126: 2,460,997
212— 8: 2,461,433
214— 65.4: 2,461,203
75: 2,461,401
89: 2,460,894
140: 2,461,093
215— 38: 2,461,247
216— 54: 2,461,295
218— 14: 2,460,930
219— 4: 2,460,807
2,460,858
2,460,889
8: 2,460,914
2,460,990
2,461,180
13: 2,460,855
2,461,323
19: 2,461,006
25: 2,461,264
47: 2,461,283
94: 2,460,915
220— 181: 2,461,010
222— 308: 2,461,363
326: 2,461,211
223— 63: 2,461,381
86: 2,461,149
95: 2,460,905
2,461,179
224— 4: 2,461,095
48: 2,461,317
225— 40: 2,461,197
226— 65.5: 2,461,312
115: 2,461,326
228— 41: 2,461,429
229— 23: 2,460,870
37: 2,461,251
55: 2,460,909
59: 2,460,883
2,460,886
230— 14: 2,461,174
17: 2,461,076
56: 2,461,225
134: 2,461,402
187: 2,461,121
203: 2,461,294
207: 2,460,914
233— 28: 2,461,129
235— 61: 2,461,438
92: 2,461,081
123: 2,461,130
236— 45: 2,460,980
92: 2,461,136
237— 40: 2,461,424
240— 4.2: 2,461,315
7.1: 2,461,445
2,461,446
10.68: 2,461,118
41.3: 2,461,422
241— 3: 2,461,089
4: 2,460,988
124: 2,461,176
7: 2,461,231
46.6: 2,461,171
55: 2,461,033
56: 2,461,246
70: 2,461,039

242—	77: 2,460,972	280—	27: 2,461,110	280—	30.2: 2,460,995	280—455.7: 2,460,998	280—	28: 2,460,815	206—	13: 2,461,488
	84.1: 2,460,980		2,461,144		34: 2,461,036	455.9: 2,461,402		33.05: 2,461,213	308—	89: 2,461,287
	84.5: 2,460,994		2,461,206		46.5: 2,460,799	458: 2,460,806		33.45: 2,461,389		220: 2,460,810
244—	4: 2,461,347		2,461,244		78: 2,461,488	2,461,016		35: 2,461,463	309—	2: 2,461,122
	13: 2,460,804		27.5: 2,461,237		82.3: 2,461,358	2,461,017		44: 2,461,479		4: 2,460,948
	17.23: 2,461,348		2,461,280		85.5: 2,460,944	537: 2,461,236		53: 2,461,383		2,461,106
	23: 2,461,435		2,461,275		2,461,388	570.7: 2,461,088		154.5: 2,461,044	312—	144: 2,461,219
	31: 2,461,072		2,461,308		85.7: 2,461,301	580: 2,461,468	285—	5: 2,461,414		146: 2,461,177
	46: 2,461,433		2,461,428		85.1: 2,461,294	585: 2,461,010		7: 2,460,981	315—	98: 2,461,136
	103: 2,461,289		23.55: 2,460,899		94.2: 2,460,973	586: 2,460,941		10: 2,460,973		2,461,168
	113: 2,460,843		23.67: 2,460,808		112: 2,460,980	590: 2,461,013		25: 2,460,981		57: 2,461,098
	153: 2,461,455		36: 2,460,800		2,461,404	606: 2,461,236		2,461,094		164: 2,460,988
	154: 2,460,959		2,461,120		118: 2,460,809	637: 2,461,220		90: 2,460,994		219: 2,461,208
246—	34: 2,461,452		2,461,206		158: 2,460,982	638: 2,460,989		2,461,100		257: 2,460,979
	38: 2,461,077		186: 2,460,986		209: 2,461,502	649: 2,460,985		115: 2,461,227		276: 2,461,265
248—	43: 2,461,336		2,461,220		225: 2,461,182	666: 2,460,842		120: 2,460,967	318—	5: 2,460,808
	63: 2,460,940		164: 2,461,484		234: 2,461,130	675.5: 2,461,007		151: 2,461,107		9: 2,461,261
	120: 2,461,297		165: 2,461,254		243: 2,461,480	680: 2,461,147		171: 2,460,888		24: 2,461,053
	125: 2,461,048	281—	27: 2,460,987		251: 2,461,503	2,461,331		173: 2,461,974		37: 2,461,497
	146: 2,461,374		33: 2,461,041		295: 2,461,119	681: 2,461,382	287—	54: 2,461,008		45: 2,460,927
	180: 2,461,190		126: 2,461,392		309.6: 2,461,156	681.5: 2,461,346		82: 2,461,081		2,461,282
	183: 2,461,175	282—	8.5: 2,461,483		339: 2,461,220	687: 2,461,214		87: 2,460,980		343: 2,461,131
	195: 2,461,440		8.55: 2,461,359		2,461,340	270— 66: 2,461,214		88: 2,460,961	320—	1: 2,460,816
	216: 2,461,145		32: 2,461,276		2,461,341	271— 52: 2,461,376	289—	48: 2,460,961	321—	30: 2,461,133
	227: 2,461,071	283—	39: 2,461,242		345: 2,460,822	86: 2,461,418		79: 2,460,981		40: 2,461,196
	256: 2,461,316		60: 2,461,243		2,460,823	89: 2,460,876		143: 2,461,284		49: 2,461,196
	279: 2,460,970	285—	19: 2,461,373		2,460,824	273— 56.5: 2,461,345		229: 2,461,289	323—	26: 2,461,258
	2,460,971		61: 2,461,154		2,460,825	66: 2,461,086		285: 2,461,281	325—	60: 2,461,046
	302: 2,460,908		2,461,305		400: 2,460,968	273— 34: 2,461,386		297: 2,461,286	329—	18: 2,460,955
	316: 2,461,114	287—	137: 2,461,409		418: 2,461,300	126: 2,461,461		340: 2,461,426		20: 2,461,307
	343: 2,461,025	288—	35: 2,460,884		448.2: 2,460,805	277— 21: 2,461,326		347: 2,461,085	343—	5: 2,460,837
	353: 2,460,916	289—	2.3: 2,461,192		449.6: 2,461,094	71: 2,461,304	294—	86: 2,461,304		2,461,005
	358: 2,460,829		2,461,193		2,461,055	279— 4: 2,461,292	295—	36: 2,461,063		2,461,158
	361: 2,461,198		8: 2,460,976		450: 2,461,153	6: 2,460,800	298—	53: 2,461,067		12: 2,461,213
250—	8: 2,461,458		17.2: 2,460,982		456: 2,461,463	82: 2,461,059		87: 2,460,861		106: 2,461,187
	20: 2,460,900		27: 2,461,349		465: 2,461,437	280—11.27: 2,461,057	305—	10: 2,461,150		114: 2,460,798
						11.28: 2,461,126	306—	6: 2,461,108	346—	33: 2,461,222

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,460,808:	260—486	2,460,965:	332— 18	2,461,068:	248—125	2,461,183:	188—224.1	2,461,282:	318— 45	2,461,401:	214— 75
2,460,806:	260—448.2	2,460,973:	260—94.2	2,461,055:	260—449.6	2,461,192:	260— 2.3	2,461,293:	315—219	2,461,418:	271— 86
2,460,811:	18—47.5	2,460,981:	285— 25	2,461,068:	126— 73	2,461,193:	260— 2.3	2,461,301:	260— 85.7	2,461,423:	240—41.3
2,460,812:	77— 5	2,460,984:	285— 90	2,461,069:	196— 28	2,461,194:	74—471	2,461,312:	226— 65.5	2,461,435:	244— 23
2,460,826:	33— 21	2,461,000:	222—181	2,461,074:	285—172	2,461,196:	321— 49	2,461,316:	248—256	2,461,438:	235— 61
2,460,844:	260—85.5	2,461,004:	260—88.1	2,461,076:	230— 17	2,461,197:	225— 40	2,461,358:	260—82.3	2,461,450:	62— 4
2,460,851:	285— 7	2,461,013:	260—599	2,461,099:	23—131	2,461,209:	102— 24	2,461,362:	222—308	2,461,453:	196— 75
2,460,853:	24—201	2,461,022:	74—688	2,461,100:	285— 90	2,461,210:	73—182	2,461,364:	260— 27	2,461,454:	196— 75
2,460,863:	74—675	2,461,024:	285— 25	2,461,107:	285—151	2,461,211:	222—326	2,461,374:	248—146	2,461,456:	196— 75
2,460,906:	248—302	2,461,032:	103— 1	2,461,114:	248—316	2,461,218:	74—732	2,461,378:	74—471	2,461,457:	211—105.3
2,460,909:	229— 55	2,461,038:	260—570.7	2,461,121:	230—187	2,461,222:	123— 45	2,461,383:	260—85.5		
2,460,912:	54— 7	2,461,039:	242— 70	2,461,133:	321— 20	2,461,223:	60— 14	2,461,386:	155—123		
2,460,922:	171—242	2,461,040:	51—3.3	2,461,169:	315— 39	2,461,224:	123— 46	2,461,390:	2—250		
2,460,945:	211— 22	2,461,043:	57—157	2,461,177:	312—146	2,461,235:	103—174	2,461,392:	251—126		

Classification of Designs

D 3—	3: Des. 152,661	D20—	2: Des. 152,581	D33—	3: Des. 152,509	D44—20:	Des. 152,621	D52—	1: Des. 152,619	D85—	2: Des. 152,656
	17: Des. 152,606	D21—	6: Des. 152,623		8: Des. 152,591	D45—	4: Des. 152,623		3: Des. 152,587		Des. 152,664
	26: Des. 152,603	D22—	3: Des. 152,600		19: Des. 152,585		Des. 152,656		Des. 152,588		8: Des. 152,624
	Des. 152,635		Des. 152,632	D34—	2: Des. 152,628		9: Des. 152,604	D58—	9: Des. 152,606	D87—	3: Des. 152,583
D 4—	3: Des. 152,618		4: Des. 152,549		5: Des. 152,590		10: Des. 152,620		Des. 152,634		6: Des. 152,653
D 9—	2: Des. 152,616	D26—	1: Des. 152,626		11: Des. 152,646	D47—	7: Des. 152,643		12: Des. 152,630	D92—	1: Des. 152,613
	Des. 152,617		Des. 152,631		15: Des. 152,610		Des. 152,644		Des. 152,655		Des. 152,614
	Des. 152,654		5: Des. 152,582		Des. 152,632	D48—20:	Des. 152,592		26: Des. 152,625		Des. 152,637
D14—	3: Des. 152,666		13: Des. 152,594	D35—	3: Des. 152,655		Des. 152,593	D61—	1: Des. 152,627		Des. 152,638
	14: Des. 152,652		15: Des. 152,660	D37—	1: Des. 152,589		Des. 152,609	D67—	4: Des. 152,580		Des. 152,639
D15—	1: Des. 152,648	D29—23:	Des. 152,662		Des. 152,607		24: Des. 152,584	D72—	1: Des. 152,663		Des. 152,640
D16—	2: Des. 152,611	D31—	4: Des. 152,596	D44—10:	Des. 152,659		27: Des. 152,642	D80—	9: Des. 152,602	2:	Des. 152,586
	Des. 152,612		Des. 152,636		Des. 152,667	D49—	1: Des. 152,651	D81—	4: Des. 152,595	D93—	4: Des. 152,647
	Des. 152,645		Des. 152,657	22:	Des. 152,601	D52—	1: Des. 152,603		25: Des. 152,597		
	Des. 152,650	D33—	3: Des. 152,598		Des. 152,641		Des. 152,613	D85—	2: Des. 152,629		

U. S. GOVERNMENT PRINTING OFFICE: 1949

February 15, 1949 Volume 619 Number 3

February 15, 1949 Volume 619 Number 3

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

Page

Issue of February 15, 1949 608

Condition of Applications Under Examination at Close of Business Jan. 31, 1949

Total number of patent applications awaiting action, 154,552. Date of oldest new application, February 10, 1947; date of oldest amended application, May 4, 1946.

	Oldest new application and oldest action by appli-

Contents

	Page
Issue of February 15, 1949	608
Patents Expiring	608
Applications Under Examination	609
Decisions of the U. S. Courts	
Jungersen v. Ostby and Barton Company et al., Ostby and Barton Company et al. v. Jungersen, Jungersen v. Baden et al.	611
In re Williams	614
Notices	
Notice of Tentative Recordation of Trade Name	616
Errata	616
Classification Bulletins 129–137	616
Register of Patents Available for Licensing or Sale	617
Trade-Marks	
Published (143 Applications)	631
Registrations Granted	649
Registrations Renewed	658
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	660
Registrations Republished (250 Registrations)	660
Reissues	691
Plant Patents	691
Patents Granted	692
Designs	828

February 15, 1949

Trade-Marks	5—No.	442,082 to No.	442,086, inclusive
T. M. (Act of 1946)	193—No.	506,606 to No.	506,798, inclusive
T. M. Renewals	61		
Reissues	1—No.	23,084	
Plant Patents	2—No.	823 to No.	824, inclusive
Patents	548—No.	2,461,505 to No.	2,462,052, inclusive
Designs	95—No.	152,668 to No.	152,762, inclusive
Total	905		

Patents expiring: Patent Numbers 1,844,929 to 1,846,010, inclusive, and Plant Patents Numbers 6 to 7, inclusive, issued February 16, 1932, expire February 16, 1949

Condition of Applications Under Examination at Close of Business Jan. 31, 1949

Total number of patent applications awaiting action, 154,552. Date of oldest new application, February 10, 1947; date of oldest amended application, May 4, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	8-13-47	6-11-47	2697
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	5-7-47	1-9-47	2982
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	5-11-48	5-7-48	1210
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying, and Ice Harvesting.	5-3-47	4-23-47	4139
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	1-12-48	1-13-47	1643
6. SURLE, H., Carbon Chemistry (part)	2-24-48	1-2-48	1939
7. HANLIN, GEORGE, Optics; Photographic Apparatus	5-10-48	2-2-48	1626
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	6-17-47	1-17-47	4446
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	3-6-47	3-25-47	2416
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	3-13-48	2-26-48	1560
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery; Leather Manufactures; Nailing and Stapling.	12-18-47	1-10-47	2082
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-9-48	11-12-46	2176
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-27-47	2-1-47	2385
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	2-18-48	1-5-48	1349
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	1-15-48	7-16-47	1944
16. LOVEWELL, N. N., Television; Telephony	5-1-48	6-3-47	1653
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding; Sheet or Web Feeding.	7-3-47	12-10-46	2173
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	1-2-48	1-25-47	2263
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	12-29-47	2-17-47	1828
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	9-11-47	5-9-47	2048
21. MADER, R. C., Textiles	1-12-48	11-29-47	1288
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	2-16-48	8-6-48	1742
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	1-8-47	1156
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	1-2-48	1-2-48	2546
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-1-48	7-30-47	1773
26. YOUNG, R. R., Electricity—Generation, Motive Power; Transmission to Vehicles; Elevators	2-6-48	4-18-47	1162
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	9-4-47	2-27-47	3301
28. BRAUNER, R. H. (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Land Vehicles, Dumping, Wheel Substitutes; Vehicle Fenders.	5-3-48	1-15-48	968
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	6-9-47	6-6-47	3216
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	5-4-48	5-3-48	972
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	5-25-48	5-26-48	2117
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-17-47	11-5-46	2145
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements.	5-19-47	3-3-47	2754
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	12-8-47	3-29-47	1365
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	9-16-47	1-16-47	3521
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-4-47	1-8-47	2049
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-21-48	10-1-47	1402
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-21-48	12-13-47	1625
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	1-3-48	12-6-48	3123
40. DRUMMOND, E. J., Receptacles (part); Packages	3-15-48	2-25-47	2182
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling; Article Dispensing Cabinets; Deposit Receptacles; Buckles, Buttons, Clasps.	3-12-48	1-17-47	2234
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	6-1-48	4-26-48	1111
43. STONE, I. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	5-15-48	2-27-48	1239
44. HARVEY, L. P., Refrigeration	2-10-47	1-14-47	1036
45. MANTER, W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	5-4-47	3-15-47	2001
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	1-3-48	2-17-47	1845

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,552. Date of oldest new application, February 10, 1947; date of oldest amended application, May 4, 1946.

DECISIONS IN PATENT AND TRADE-MARK CASES

Total number of patent applications awaiting action, 154,552. Date of oldest new application, February 10, 1947; date of oldest amended application, May 4, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
67. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	4-30-48	10-24-47	2200
68. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	5-1-48	8-13-47	1470
69. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-10-47	2-19-47	2236
80. LEVIN, SAMUEL, Synthetic Resins	5-20-48	2-12-48	2175
81. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-9-48	2-10-48	1852
82. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	1-21-48	2-11-47	2044
83. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable; Harness; Whip Apparatus.	10-27-47	12-13-48	2441
84. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	4-1-48	8-25-47	1606
85. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	2-9-48	11-6-47	1812
86. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	10-24-47	12-2-47	1834
87. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys.	8-1-47	3-20-47	3439
88. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-28-47	5-2-47	1999
89. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	1-30-48	5-2-47	1641
90. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-8-48	11-28-47	1261
91. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	3-15-47	10-10-46	3786
92. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-26-48	6-12-47	1556
93. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-8-48	10-15-47	1998
94. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous	7-6-48	7-6-48	1704
95. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	4-20-48	10-13-47	2388
96. LISANN, L., Geometrical Instruments	4-13-48	5-4-46	2084
97. KRAFFT, O. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	3-16-48	9-2-47	1976
98. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Stop Control	6-10-48	1-16-48	1567
99. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-5-47	2222
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	6-19-47	5-22-47	1111
DESIGNS: BREHM, G. L.	5-12-47	5-13-48	7166

Total number of trade-mark applications awaiting action (including renewals and republications), 87,429. Date of oldest new application, Oct. 23, 1947; date of oldest amended application, Mar. 9, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 31, 44	2-20-48	6-5-48	3126
2. KASCHUB, H. E., Classes 2, 15, 20, 23, 26, 46, 50	11-8-47	7-12-48	6966
3. SUMMERS, G. S., Classes 13, 21, 28, 29	10-23-47	3-9-48	5494
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 45	11-13-47	5-20-48	4592
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 48, 47, 48, 49	1-8-48	7-13-48	4043
6. STREBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-9-48	8-17-48	3660
7. KEYS, C. M., Classes 16, 19, 50	13-6-47	4-19-48	2333
8. GEDDMAN, H. W. {Renewals / Republications} All Classes	12-1-48	12-16-48	130
	2-26-48	12-16-48	7345

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

JUNGERSEN *v.* OSTBY AND BARTON COMPANY ET AL. OSTBY AND BARTON COMPANY ET AL. *v.* JUNGERSEN JUNGERSEN *v.* BADEN ET AL.

Nos. 7, 8, 48. Decided January 3, 1949

[— F.2d —; 80 USPQ 32]

1. CERTIORARI.

Where Court of Appeals for the Third Circuit held claims 1–4 of Jungersen Patent No. 2,118,468 valid, and Court of Appeals for the Second Circuit held all claims invalid, *Held*, we granted certiorari in both cases in order to settle the conflict.

2. PATENTABILITY—METHOD—STATE OF THE ART.

Where an examination of the prior art as it existed at the time of this alleged invention reveals that every step in the patented method was anticipated, *Held* that we think his combination of these steps was, in its essential features, also well known in the art.

3. SAME—INVENTION—COMBINATION.

Where it is clear that the "lost wax" process, the use of a flexible primary mould, and the use of centrifugal force were all old in the art of casting, but the patentee claims that the centrifugal forcing of wax into the primary mould had never before been combined with the other features of his process, *Held* that this fact is of no legal significance.

4. SAME—SAME—SAME.

Where centrifugal force was common as a means of introducing molten metal into the secondary mold, *Held* that its use in an intermediate step to force molten wax into the primary mould was not an exemplification of inventive genius such as is necessary to render the patent valid.

5. SAME—SAME—ANALOGOUS ART.

Where patentee contends that jewelry casting is a separate and distinct art, and that the advancements in other types of casting cannot be viewed as the prior art in reference to this patent, *Held* that the improvements in the art of casting which were disclosed by the prior art were so obviously applicable to the type of casting sought to be effected by the patentee that he was bound by knowledge of them.

6. SAME—SAME—COMMERCIAL SUCCESS.

Though the patented process has enjoyed considerable commercial success, and though it is true that in cases where the question of patentable invention is a close one, such success has weight in tipping the scales of judgment toward patentability, *Held* that, where, as here, invention is plainly lacking, commercial success cannot fill the void.

7. PARTICULAR PATENTS—JUNGERSEN, 2,118,468—CASTING ARTICLES OF INTRICATE DESIGN.

Jungersen Patent No. 2,118,468, method of casting articles of intricate design, *Held*, all claims invalid for want of invention.

ON WRIT of certiorari to United States Court of Appeals for the Third Circuit.

Nos. 7 and 48 AFFIRMED.

No. 8 REVERSED.

FRANKFURTER, BURTON, AND JACKSON, JJ., dissenting.

William H. Davis (*George E. Faithfull* and *Karl W. Flocks* on the brief) for Jungersen.

John Vaughan Groner (*Edward Winsor* and *Hugo J. Frankl* on the brief) for Ostby & Barton Co.

MR. JUSTICE REED delivered the opinion of the Court.

The issue here is the validity of United States Patent No. 2,118,468 which covers a "method of casting articles of intricate design and a product thereof."

[1] The patent was granted to Jungersen on May 24, 1938. In 1941, Ostby and Barton Company instituted in the United States District Court for the District of New Jersey, an action for a declaratory judgment that the patent was invalid and not infringed. Jungersen, by counterclaim, alleged infringement and sought an injunction. The district court held claims 1–4 valid but not infringed and claims 5–6 invalid because too broad, 65 F. Supp. 652, 69 USPQ 362. The United States Court of Appeals for the Third Circuit affirmed on the reasoning of the district court, 168 F.2d 312, 75 USPQ 151. We denied petitions by both parties for certiorari, 332 U. S. 851, 852.

In 1944, Jungersen filed suit against Baden in the United States District Court for the Southern District of New York, in which he alleged infringement of the patent and sought damages, profits, and injunctive relief. That court held all the claims invalid. 69 F. Supp. 922, 72 USPQ 426. The United States Court of Appeals for the Second Circuit affirmed. 166 F.2d 807, 76 USPQ 488.

Vacating the prior orders which denied it in the Ostby and Barton proceeding, we granted certiorari in both cases in order to settle the conflict. 334 U. S. 835,[1] 77 USPQ 676. Since the parties do not assert error in those portions of the lower court's decisions which concern infringement, the sole issue before us is the validity of the patent.

The method described in the Jungersen patent, claims 1–4, consists of the following steps: (1) the production of a model of the article to be cast, (2)

[1] In No. 7 we are asked to consider the decision of the Court of Appeals for the Third Circuit as to claims 5 and 6; in No. 8, the decision of that court as to claims 1 through 4; and in No. 48, the decision of the Court of Appeals for the Second Circuit as to all the claims of the patent.

Vol. 619 • No. 3 Tuesday, February 15, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

the formation around this model of a "primary mould" of plastic material "such as rubber" which is "capable of assuming intimate contact with the intri-

ent No. 748,996, issued to Spencer, described a substantially identical process in which the primary mould was made, as in the patent here involved, by

Centrifugal force was commonly used in dental casting prior to 1988.[6]

[3] Thus it is clear that the "lost wax" process,

388, and cases cited in footnote 5 thereof. Where, as here, however, invention is plainly lacking, commercial success cannot fill the void. *Dow Chemical*

the formation around this model of a "primary mould" of plastic material "such as rubber" which is "capable of assuming intimate contact with the intricate designs of the model" and which will "retain a lasting shape through subsequent treatment," (3) the casting in this mould of a pattern consisting of molten wax or other material of a low melting point which is made to assume the minute configurations of the mould by means of centrifugal force, (4) the removal of this pattern (which has become solid upon cooling) from the primary mould, and the formation around it of a "secondary mould" of refractory material, such as plaster of Paris, which "will assume all the contours of its intricate design," (5) the removal of the wax or similar material from the secondary mould, or "investment" as it is called, by the application of heat, thus melting it out, and finally (6) the casting of the desired molten metal into the cavity in the investment by the application of centrifugal force as in (3), above.

This method is capable of producing "small metal articles, particularly articles of intricate detail such as jewelry which frequently are designed with hollows, undercut portions and perforations, so that they will have a smooth clean surface faithful in detail to the original and free from imperfections or holes, and to enable such result being accomplished with the minimum of expense." The patentee claims that it made possible the accurate reproduction of intricate designs in far less time than had previously been required.

Claim 5 describes in more general terms the formation of a primary mould around the original pattern, the removal of the pattern from the mould, the introduction of molten wax into the mould "by force sufficient to deposit the material into the depression or depressions of the primary mould" and the employment of the wax pattern for the manufacture of a casting mould. Claim 6 covers "an article of jewelry" of intricate design made by the process disclosed by claim 5. It describes the article of jewelry only by reference to the process by which it is manufactured. Obviously if the first four claims are invalid, the last two must likewise fall.

[2] An examination of the prior art as it existed at the time of this alleged invention reveals that every step in the Jungersen method was anticipated. We think that his combination of these steps was, in its essential features, also well known in the art.

Jungersen's process is nothing more than a refinement of a method known as the "cire perdue" or "lost wax" process, which was in use as early as the sixteenth century.[2] The Treatises of Benvenuto Cellini on Goldsmithing and Sculpture, pp. 87–89, reveals a process which consists of filling a primary mould with molten wax, building a secondary mould around the wax model thus obtained, melting the wax from this mould and pouring the desired metal in the secondary mould. In 1904 United States Patent No. 748,996, issued to Spencer, described a substantially identical process in which the primary mould was made, as in the patent here involved, by vulcanizing rubber around the original model or pattern. In England a process similar to Spencer's had been the basis of a patent issued to Haseltine in 1875.[3]

The above described developments in the prior art suggested no limitation of their applicability to any particular type of casting. Spencer stated that the purpose of his process was to produce accurate replicas of the original pattern, which could be of "intricate form" and which could "have any number of sides or surfaces or undercut or projecting parts." Haseltine described his object as the production of "a casting in metal from a given pattern, which casting will be a perfect copy of such pattern without requiring much, if any, after finishing or chiselling work."

The patentee claims that the invention in his combination lies in the use, in conjunction with the "lost wax" process, of centrifugal force. Long before the issuance of this patent, however, those skilled in the art recognised and disclosed the necessity for the application of force in order to make molten materials fit snugly the intricate details of the mould. Haseltine applied pressure of about twenty pounds per square inch to cause the molten metal "to lie to the dense mould and produce a sharp and well-defined casting." He accomplished this by introducing the metal into the mould through a pipe about six feet in height.[4] United States Patent No. 1,238,789 issued to Kralund in 1917 teaches the application of pressure to the wax and the molten metal by means of an ordinary pressure die casting apparatus.

Whether these types of pressure are the equivalent of centrifugal force we need not decide since it is evident from patents and publications that the use of the latter was well known in the art. In 1923 McManus patented a casting machine which was adapted "to the casting of jewelry, such as gold rings, small trinkets, etc., where metal or other dies or moulds may be * * * filled by centrifugal casting methods." (United States Patent No. 1,457,040.) He claimed "a means for transferring fused material from the furnace [in which the material was melted] to the mould under the action of centrifugal force." In a paper on current casting methods which he presented to the Institute of Metals in England in 1926, one George Mortimer, with reference to the difficulty in filling a mould by gravity, stated:

"It was natural, therefore, that engineers should early turn their attention to some form of artificial pressure, whereby the mould could be filled by force, and soundness and clean definition seemingly assured.

"The simplest form of artificial pressure is that of centrifugal force * * *";

[2] 20 Encyclopedia Britannica (1948), p. 229.

[3] British Patent No. 2467.

A French publication by Verleye entitled "La Gravure, etc." (1924) describes in detail all of the elements of Jungersen's process except the use of centrifugal force.

[4] "La Gravure, etc.," supra, note 3, advocates the use of steam pressure.

[5] 35 Journal of the Institute of Metals, 371, 377.

Centrifugal force was commonly used in dental casting prior to 1923.[6]

[3] Thus it is clear that the "lost wax" process, the use of a flexible primary mould, and the use of centrifugal force were all old in the art of casting. The patentee claims that the centrifugal forcing of wax into the primary mould had never before been combined with the other features of his process. We think this fact is of no legal significance.

[4] Where centrifugal force was common as a means of introducing molten metal into the secondary mould, its use in an intermediate step to force molten wax into the primary mould was not an exemplification of inventive genius such as is necessary to render the patent valid. Cf. *Lincoln Engineering Co.* v. *Stewart-Warner Corp.*, 303 U. S. 545, 37 USPQ 1; *Cuno Engineering Corp.* v. *Automatic Devices Corp.*, 314 U. S. 84, 51 USPQ 272. The patentee himself admitted that the same principle was employed in both steps.[7] Thus Jungersen employed in his claimed invention well known skills and practices in a manner and for a purpose long familiar in the field of casting. His claimed improvement is therefore not patentable.

[5] The patentee contends, however, that jewelry casting is a separate and distinct art; that consequently the advancements in other types of casting mentioned above cannot be viewed as the prior art in reference to this patent. The answer to this is twofold. In the first place, this patent is not restricted to the casting of jewelry. Its stated object is to "facilitate the casting of small metal articles, particularly articles of intricate detail such as jewelry. * * *" Secondly we think that the improvements in the art of casting which were disclosed by the patents and publications discussed above were so obviously applicable to the type of casting sought to be effected by Jungersen that he was bound by knowledge of them. *Mandel Bros.* v. *Wallace*, 335 U. S. 291, 295–96, 79 USPQ 220, 221–222.

[6] Numerous licenses under the patent were issued in the United States and other countries. The fact that this process has enjoyed considerable commercial success, however, does not render the patent valid. It is true that in cases where the question of patentable invention is a close one, such success has weight in tipping the scales of judgment toward patentability. *Goodyear Tire & Rubber Co.* v. *Ray-O-Vac Co.*, 321 U. S. 275, 279, 60 USPQ 386, 388, and cases cited in footnote 5 thereof. Where, as here, however, invention is plainly lacking, commercial success cannot fill the void. *Dow Chemical Co.* v. *Halliburton Co.*, 324 U. S. 320, 330, 64 USPQ 412, 416; *Toledo Pressed Steel Co.* v. *Standard Parts, Inc.*, 307 U. S. 350, 356–57, 41 USPQ 598, 595; *Textile Machine Works* v. *Hirsch Co.*, 302 U. S. 490, 498–99, 36 USPQ 37, 40; 1 Walker, Patents (Deller, 1937) § 44. Little profit would come from detailed examination of the cases cited above or those indicated by reference. Commercial success is really a makeweight where the patentability question is close.

Increased popular demand for jewelry or alertness in exploitation of the process may well have played an important part in the wide use of the patent. We cannot attribute Jungersen's success solely or even largely to the novelty of his process.

[7] We hold all the claims of the patent invalid for want of invention.

Nos. 7 and 48 AFFIRMED.

No. 8 REVERSED.

MR. JUSTICE FRANKFURTER, with whom MR. JUSTICE BURTON joins (*dissenting*):

This is not one of those patent controversies that carry serious consequences for an important industry and thereby for the general public. The case does, however, raise basic issues regarding the judiciary's role in our existing patent system. These issues were stated by Judge Learned Hand when the litigation was before the Court of Appeals for the Second Circuit. Since this Court's opinion has not, to my mind, met the questions which he raised, and since I cannot improve upon what Judge Learned Hand wrote, I adopt his opinion as mine.

"In Jungersen's British patent, as my brothers truly say, he based his invention solely upon forcing the wax and the metal into completely intimate contact with every crevice of the mould, and for this he disclosed a centrifuge as the means. Moreover, it had already been known by other moulders of fine patterns that the metal might not fill all the spaces necessary for perfect reproduction. For example, in 1873 Haseltine disclosed a device which set up a pressure of twenty pounds to the square inch; and this too in a 'lost wax' process. True, he did not disclose using similar pressure for the wax, and he did not use a centrifuge; but McManus used a centrifuge to force fusible metal into all the crevices of the mould, and that too in a 'lost wax' process, the knowledge of which he appears to have assumed, for he does not disclose how to make the wax model. Kralund also showed a pressure die-casting process, as applied to the 'lost wax' method; and he used pressure to force his wax into intimate connection with the first die as well as upon the molten metal of the final casting; but his original die was of steel and he does not describe its manufacture.

"Nevertheless, in spite of all these approaches, and of the fact that all the elements of the disclosure were to be found in the prior art, it remains true that Jungersen's process in its entirety had never been assembled before; no one had ever thought of combining all those steps in a single sequence. True, had the combination not been new in this objective sense, it could not have been patented merely by turning it to a new use; and that would have been so, although it might have taken as much originality to see that it could be put to the new use, as it takes to make an outstanding invention. It would have been a final answer that Congress has never seen fit to extend its constitutional power to 'discoveries' as such, and bears limited patents to an 'art, machine, manufacture, or composition of matter,'[8] as we have often said—the last time in *Old Town Ribbon & Carbon Co., Inc.*, v. *Columbia Ribbon & Carbon Manufacturing Co.*[9] My point is that, if there is a new combination, however trifling the physical change may be, nothing more is required than that, to take the step or steps, added 'invention,' is needed; and 'invention,' whatever else it may be, is within the category of mental activities and of those alone. In the case at bar the

[6] "Dental-casting methods employ four distinct principles; namely, gravity, centrifugal, vacuum, and pressure. * * *

"The centrifugal method has the advantage of great simplicity, and fills the mold by the force exerted in throwing the metal off on a tangent while being revolved about a center." Stern, Die-casting Practice (1st ed., 1930), p. 10.

[7] An excerpt from the testimony follows:

"Q. And when the machine is revolved, when it is centrifuged, it makes no difference whether it be molten wax or molten metal, does it, in the fact that it throws out the molten material into the gate? A. It would throw out anything of weight if it is made free to leave.

"Q. And that applies to wax as well as metal, does it not? A. It applies to wax and metal, but in a greater amount to the metal than to the wax.

"Q. But they both operate in the same way under the influence of the centrifugal machine? A. The same principle is used, yes.

"Q. And the molten material in both cases is introduced into the mold? A. Yes.

[8] § 31, Title 35 U. S. C. A.

[9] 2 Cir., 159 F.2d 379, 382, 72 USPQ 57, 60.

answer must therefore depend upon how we shall appraise the departure from what had gone before in terms of creative imagination; indeed, I do not understand what other test could be relevant.

It would not be difficult to cite many instances of patents that have been granted, improperly, I think,

the claimed compound and a method of producing it. The appealed claim calls for the laevo rotary form of the compound "substantially free from the

the case of *In re Merz*, 25 CCPA (Patents) 1314, 97 F.2d 599, 38 USPQ 143, 497 O. G. 547. In the aspirin case, supra, the claimed compound had pre-

answer must therefore depend upon how we shall appraise the departure from what had gone before in terms of creative imagination; indeed, I do not understand what other test could be relevant.

"If that be the test, I submit that Jungersen's process meets it. From time immemorial jewellry had been manufactured by the earlier processes; so that the need, if need there was, had existed for years. Moreover, two of those earlier processes—'cuttlefish casting and sand-casting'—have now become 'of little commercial significance'; 'die-stamping' and Jungersen's process 'are the only substantial methods now commercially used'; and in the manufacture of a hundred rings or less 'die-stamping' is more expensive. Had some technological advance held up the change, and had Jungersen made it only a short time after the obstacle had been removed, I should agree that the inference of outstanding originality would have been greatly weakened; but that was not the fact. Indeed, it is the very basis of the defence that for years all the elements lay open and available, and that nothing was needed but the paltry modification which has proved so fruitful. To that I make the answer on which courts in the past used to ring the changes with wearisome iteration. If all the information was at hand, why was the new combination so long delayed? What better test of invention can one ask than the detection of that which others had all along had a strong incentive to discover, but had failed to see, though all the while it lay beneath their eyes? True, the whole approach to the subject has suffered a shift within the last decade or so, which I recognise that we should accept as authoritative. Moreover, I am not aware of the slightest bias in favor of the present system: I should accept with equanimity a new system or no system. However, I confess myself baffled to know how to proceed, if we are at once to profess to apply the system as it is, and yet in every concrete instance we are to decide as though it did not exist as it is. In the case at bar, I can only say that, so far as I have been able to comprehend those factors which have been held to determine invention, and to which at least lip service continues to be paid, the combination in suit has every hall-mark of a valid patent."

(Judge Hand's opinion is reported at 166 F.2d 811, 76 USPQ 491.)

MR. JUSTICE JACKSON (dissenting):

I think this patent meets the patent statute's every requirement. And confronted by this record an industry heretofore galled by futility and frustration may well be amazed at the Court's dismissal of Jungersen's ingenious and successful efforts.

Of course, commercial success will not fill any void in an invalid patent. But it may fill the void in our understanding of what the invention has meant to those whose livelihood, unlike our own, depends upon their knowledge of the art. Concededly, in this high-pressure age sales volume may reflect only powerful promotion or marketing magic, and its significance as an index of novelty or utility may rightly be suspected. But Jungersen's success was grounded not in the gullibility of the public but in the hard-headed judgment of a highly competitive and critical if not hostile industry. Knowing well its need for and its failure to achieve improvements on available processes, that industry discarded them, adopted this outsider's invention and made it a commercial success.

It would take a singular self-assurance on the part of one who knows as little of this art as I do, or as I can learn in the few hours that can be given to consideration of this case, to ignore the judgment of these competitors who grew up in the industry and say that they did not know something new and useful when they saw it. And if Benvenuto Cellini's age-old writings are so revealing to us laymen of the appellate Bench, it is hard to see why this practical-minded industry which the Court says was following Cellini failed through all the years to get his message.

It would not be difficult to cite many instances of patents that have been granted, improperly, I think, and without adequate tests of invention by the Patent Office. But I doubt that the remedy for such Patent Office passion for granting patents is an equally strong passion in this Court for striking them down so that the only patent that is valid is one which this Court has not been able to get its hands on.

I agree with the opinion of Judge Learned Hand below.

U. S. Court of Customs and Patent Appeals

IN RE WILLIAMS

No. 5513. Decided December 7, 1948

(— F.2d —; 80 USPQ 150)

1. PATENTABILITY—COMPOUND—NOVELTY.

Where the appealed claim calls for the laevo rotary form of compound "substantially free from the dextro rotary form" and the compound described in the prior art is a racemic mixture, *Held* that the existence of the compound as the racemic mixture does not negative novelty in a claim to the pure compound.

2. SAME—SAME—STATE OF THE ART.

Where there is no evidence of record to show that the product of the reference was actually known to be racemic, prior to appellant's original filing date, or that it would have been obvious to one skilled in the art that the product was, in fact, racemic, *Held* that the rejection on the ground of lack of invention cannot be sustained.

3. SAME—LAEVO ALPHA-HYDROXY-BETA, BETA-DIMETHYL-GAMMA-BUTYRO LACTONE.

A claim to the laevo rotary form of alpha-hydroxy-beta, beta-dimethyl-gamma-butyro lactone *Held* patentable over the art of record.

APPEAL from the Patent Office. Serial No. 431,581.

REVERSED.

Stowell & Evans (*Harold T. Stowell* and *John O. Evans, Jr.*, of counsel) for Williams.

W. W. Cochran (*J. Schimmel* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting claim 2 in appellant's application for a patent on a lactone. The method claims by which the lactone, called for in appealed claim 2, may be produced, were allowed by the Examiner.

The appealed claim reads as follows:

2. The laevo rotary form of α-hydroxy-β,β-dimethyl-γ-butyro lactone substantially free from the dextro rotary form.

The following references were relied on by the Patent Office tribunals: Monatschefte fur Chemie, vol. 25, pp. 46–54 (1899) (Glaser); Monatschefte fur Chemie, vol. 39, pp. 295–296; Levene [sic] and Haller, J. Biological Chemistry, vol. 69, p. 165 (1926); Gilman, Organic Chemistry, vol. 1, pp. 155, 159, 176, and 187–196 (1938); Journal American Chemical Society, vol. 62, pp. 1779–1784 (July 1940).

Appellant's application here involved was filed February 19, 1942, and is a division of an application filed April 8, 1939. Both applications disclose

the claimed compound and a method of producing it. The appealed claim calls for the laevo rotary form of the compound "substantially free from the dextro rotary form." The laevo rotary form of a compound has the property of deflecting polarized light to the left, while the dextro rotary form deflects it to the right. A mixture of these two forms, which produces no deflection of polarized light, is called a racemic mixture.

The Monatschefte publications disclose, according to the Board, the production of a compound having a formula identical with that of the compound recited in the appealed claim, but there is nothing in those publications to indicate that the product is racemic, dextro rotary or laevo rotary.

The Levene and Haller publication shows the resolution of a racemic lactone mixture, not the one here involved, into its laevo and dextro rotary components.

The Gilman publication was cited to show that a racemic mixture, not the one here involved, contains both the laevo rotary and dextro rotary forms.

The Journal American Chemical Society was cited by the Examiner as showing that the compound disclosed in the Monatschefte publications is a racemic mixture.

It is stated in the decision of the Board of Appeals that "There appears to be no question as to the utility of the particular form of the compound herein disclosed and claimed * * *." The rejection is based on lack of novelty and on lack of invention.

[1] In support of the rejection on the ground of lack of novelty, the Examiner and the Board point out that the compound of the Monatschefte publications is a racemic mixture and, therefore, necessarily contains both dextro rotary and laevo rotary components. It is the position of the Patent Office tribunals that, in view of that fact, the laevo rotary compound, having existed as part of the racemic mixture, cannot be novel. The appealed claim, however, calls for the laevo rotary form "substantially free from the dextro rotary form" and it is evident that the laevo rotary form did not exist in this condition in the mixture of the Monatschefte publications. The existence of a compound as an ingredient of another substance does not negative novelty in a claim to the pure compound, although it may, of course, render the claim unpatentable for lack of invention. Thus, in the so-called aspirin case—*Farbenfabriken of Elberfeld Co.* v. *Kuehmsted*, 171 Fed. 887—it was held that a pure compound may, under certain conditions, be patentable over the same compound in an impure form, and this principle was approved by this court in the case of *In re Merz*, 25 CCPA (Patents) 1314, 97 F.2d 599, 38 USPQ 143, 497 O. G. 547. In the aspirin case, supra, the claimed compound had previously existed as an ingredient of the impure product but that fact was not considered as rendering a claim to the pure compound void for lack of novelty. Accordingly, the holding by the tribunals of the Patent Office that the appealed claim, drawn to a laevo rotary compound substantially free from the dextro rotary form of the compound is fully anticipated by a mixture of the laevo and dextro rotary forms of the compound, must be reversed.

[2] The rejection of the appealed claim on the ground of lack of invention was based on the theory that the Monatschefte publications disclose a racemic mixture which includes the laevo rotary form claimed by appellant, and that the procedure by which such a racemic mixture may be broken down into its dextro and laevo rotary components, was known to those skilled in the art. That rejection presupposes that the Monatschefte compound was known to be racemic since, if this were not the case, the idea of resolving it into components, to produce a laevo rotary compound, would not occur to one skilled in the art. Accordingly, unless it can be shown that the Monatschefte product was actually known to be racemic, prior to appellant's original filing date, or unless it would have been obvious to one skilled in the art that the product was, in fact, racemic, the rejection on the ground of lack of invention cannot be sustained.

There is no evidence of record to show actual knowledge of the racemic nature of the Monatschefte product prior to April 8, 1939, when appellant's original application was filed. The evidence relied on by the Examiner and the Board as showing that compound to be racemic is the Journal American Chemical Society, July 1940. That publication is competent as showing that the product was actually racemic, but it does not establish knowledge of that fact prior to appellant's original filing date.

[3] The record contains nothing to support a holding that those skilled in the art should have known that the Monatschefte product was racemic, particularly in view of the fact that that product had been in existence for approximately forty years prior to the disclosure in a publication of the fact that it was a racemic mixture, and it would not be proper to presume such knowledge. Accordingly, we are of opinion that the appealed claim involves patentable subject matter over the art of record.

For the reasons stated, the decision of the Board of Appeals is reversed.

REVERSED.

REGISTER OF PATENTS AVAILABLE FOR

NOTICES

Notice of Tentative Recordation of Trade Name

[T. D. 52137]

Tentative recordation of trade name under section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943

TREASURY DEPARTMENT
OFFICE OF THE COMMISSIONER OF CUSTOMS
Washington, D. C.

To Collectors of Customs and Others Concerned:

An application has been filed in the Treasury Department for the recordation of the following-described trade name under the provisions of section 42, Trade-Mark Act of July 5, 1946, and section 11.16, Customs Regulations of 1943:

"SHEFFIELD," owned by Sheffield Merchandise, Inc., a corporation of New York, 9 East 46th Street, New York, N. Y., which is used in connection with the importation, distribution, and sale of watches, watch movements, and analogous products, the merchandise being manufactured in Switzerland.

The recordation of the foregoing trade name shall become final at the expiration of 30 days after February 1, 1949. Any person who desires to file an opposition to the recordation of this trade name shall file it with the Commissioner of Customs prior to the expiration of such 30-day period.

Until the expiration of the above-mentioned 30-day period any articles of foreign manufacture bearing names or marks which copy or simulate the above-mentioned trade name shall be detained, but not seized, and thereafter shall receive the treatment provided for in section 11.17, Customs Regulations of 1943, unless notice of the cancellation of the recordation is sooner received.

(Signed) FRANK DOW,
Acting Commissioner of Customs.

January 24, 1949.

Errata

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 260,859, registered Aug. 27, 1929, Class 39, by Associated Apparel Industries, Inc., Chicago, Ill., appearing in the OFFICIAL GAZETTE of Aug. 17, 1948, page 622, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 261,458, registered Sept. 17, 1929, Class 42, by Associated Apparel Industries, Inc., Chicago, Ill., appearing in the OFFICIAL GAZETTE of Aug. 17, 1948, page 627, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 273,454, registered Aug. 5, 1930, Class 39, by Associated Apparel Industries, Inc., Chicago, Ill., appearing in the OFFICIAL GAZETTE of Aug. 10, 1948, page 341, was inadvertent and is vacated.

The notice of republication under section 12(c) of the Trade-Mark Act of 1946 of registration No. 274,396, registered Aug. 26, 1930, Class 39, by Associated Apparel Industries, Inc., Chicago, Ill., appearing in the OFFICIAL GAZETTE of Aug. 31, 1948, page 1181, was inadvertent and is vacated.

Classification Bulletins 129–137

Classification Bulletins containing the definitions of the following patent classes, complete as amended through the classification orders indicated are now available and may be obtained from the Commissioner of Patents at a cost of ten cents each:

Class	Title	Order No.	Bulletin No.
323	Electricity, Voltage Magnitude and Phase Control Systems	17	129[1]
332	Modulators	34	130
33	Geometrical Instruments	37	131
41	Ornamentation	37	132
77	Boring and Drilling	37	133
95	Photography	37	134
154	Laminated Fabric and Analogous Manufactures	37	135
181	Acoustics	37	136
188	Brakes	37	137

[1] Bulletin 129 also contains Classification Orders Nos. 12 through 17, pertaining to the classification of subjects of invention revised by the Classifications Group of the United States Patent Office during the period from Aug. 15, 1947, to Oct. 14, 1947.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

Pat. 2,320,780. GREASE GUN AND FITTING. Patented June 1, 1943. A portable plunger-operated grease gun and fitting has a flat attaching plate surrounding the discharge end of the gun barrel. Plate has a slot open at one end which interlocks with an exteriorly threaded extension through which the bore of the barrel and fitting extends. A ball valve in fitting prevents backward flow but has sufficient movement in the bore to allow lubricant to be forced out to the work. Movement of the ball valve is limited by a tubular notched plug threaded into the bore of fitting. (Owners) William T. Jennings and Raymond F. Clark. Correspondence to Russell H. Wambaugh, 305 Ellsworth Drive, Silver Spring, Md. Group 35—61. Reg. No. 18,782.

Pat. 2,450,816. STERILIZER. Patented Oct. 5, 1948. A box-like container for sterilizing blades used in hair clippers, etc. A detachable hinged top has a shelf (for the blades) attached to the underside, which pivots upwardly when the container is opened. A body of sterilizing material is provided in the bottom of container. (Owner) Raymon W. Snider, Augusta, Mont. Group 39—91. Reg. No. 18,783.

Pat. 2,450,821. TILTING BALANCED DUPLEX PROPELLER. Patented Oct. 5, 1948. A double-screw, variable-pitch propeller is mounted on each wing of an airplane and is independently controlled. There are a change speed gear, separate tilting lever, and separate clutch control for each propeller. Provides a practical control of the airplane and of the speed and directional movement of the plane. (Owner) Arthur B. Zimmerman, 1660 Rockwood St., Los Angeles 26, Calif. Group 37—22. Reg. No. 18,784.

Pat. 2,371,535. SAFETY RAZOR OF THE DRY SHAVER TYPE. Patented Mar. 13, 1945. A self-cleaning electric dry shaver has three or more spring-controlled shearer heads which automatically take different angles, when pressed over the face, to fit the skin surface. A suction fan on the motor armature shaft causes a constant flow of air through the shearer heads and pulls the skin closer to shearer members. The flow of air keeps shearer retainers clean. (Owner) Harry H. McGuffin, Dorset, Vt. Group 36—21. Reg. No. 18,785.

Pat. 2,451,359. ROTARY AND SLIDING BALL BEARING. Patented Oct. 12, 1948. Ball bearing permits rotary as well as sliding movement of a shaft. It consists of an inner rotatable race sleeve (for surrounding shaft), an outer stationary sleeve, and a pair of end rings rigidly secured to inner sleeve. Longitudinal race slots are formed in inner sleeve, and longitudinal ball return passages are formed in outer sleeve. Radial slots in the end rings establish ball guiding paths at opposite ends of the race slots and opposite ends of the ball return passages to provide endless ball circuits. These circuits are completely filled with balls to form endless rows, with balls in the inner race sleeve constituting load-carrying balls for rolling contact between shaft and inner surface of outer sleeve. Sliding movement of shaft will cause the balls to roll in the circuits and longitudinally along shaft. (Owner) T. F. Schlicksupp, 52 Vanderbilt Ave., New York 17, N. Y. Group 35—66. Reg. No. 18,786.

Pat. 2,429,820. SAFETY VALVE FOR HYDRAULIC BRAKES. Patented Oct. 28, 1947. A cut-off for hydraulic brakes operates promptly on the occurrence of any abnormal condition when brakes are applied. The failure of a brake-operating conduit will result in the cut-off of the fluid supply to one or a pair of brakes without impairing its application to the remaining brakes. A chamber receives fluid pressure from a master cylinder which compresses a bellows at end of the chamber and applies pressure in the brake cylinders and an associated cut-off valve. One of these units is mounted in the conduits from the master brake cylinder to the individual cylinders at the wheels. The pressure of the braking fluid actuates the cut-off valve in the event of failure of pressure in the braking piping. (Owner) George W. Kean, Day St., Granby, Conn. Groups 35—61; 38—31. Reg. No. 18,787.

Pat. 2,451,179. HANDY SCAFFOLD BRACKET. Patented Oct. 12, 1948. Spaced parallel strap hangers are attached at center to a vertical tubular member. A braced horizontal angle iron is secured to the top of the tubular member to support a plank. Slots for nails are provided along lower edges of hangers so that it may be attached to a building. Channel members may be telescopically fitted on the hangers to support hangers at spaced positions. (Owner) Henry J. Steffes, 20 South 38th St., Great Falls, Mont. Groups 25—99; 38—69. Reg. No. 18,788.

Pat. 2,445,148. COMBINED PUMP AND MOTOR CYLINDER COAXIAL. Patented July 13, 1948. An internal combustion engine has a valved piston in opposed relation to the main piston to increase power. It is actuated by cam means on the crankshaft, including a spring-pressed arm. Arm is mounted at right angles to the cylinder block which through a linkage system connects with the piston rod mounted in the motor block in opposed relation to the main piston and causes the operation thereof. For use with radial, V-type, or in-line type engines. May also be used with engines of double acting, double piston construction, or with Diesel engines. (Owner) Raymond E. Minnix, Box 1403, Balboa, Canal Zone. Group 35—12—19. Reg. No. 18,789.

Pat. 2,446,748. PUMP. Patented Aug. 10, 1948. A reciprocal type pump to maintain a constant flow of fluid from a pipe to a discharge outlet. Three valve-controlled cylinders arranged in series have a piston operably associated therewith to simultaneously fill one of the cylinders while emptying another. (Owner) Henry L. Etter, Lemasters, Pa. Group 35—61. Reg. No. 18,790.

Pat. 2,450,572. DECOY. Patented Oct. 5, 1948. A collapsible decoy for bird hunting has a two-section body with hinged neck and legs. The body members are riveted along the back, and the head and neck are riveted to swing downwardly between the body members when collapsed. Pivoted legs swing upwardly when not in use. A brace hinged to one leg moves against the other body member when body members are spread apart. (Owners) Cleve Groome and Virgil Ballard. Correspondence to Cleve Groome, Caldwell, Idaho. Group 39—49. Reg. No. 18,791.

Pat. 2,451,775. HOLDER FOR INDIVIDUAL STENCILS AND THE LIKE. Patented Oct. 19, 1948. Device is used to securely hold stencils properly aligned in edge-to-edge relation when lettering windows, signs, etc. It is formed by laterally doubling a single elongated strip of sheet metal

charged from the blower in a plane parallel with the horizontal axis of the blower, through the ice bunker, and circulated through the interior of the trailer. (Owner) B. W. Curry, 1026 North Myrtle Ave., Jacksonville 4, Fla. Groups 85—64; 38—11. Reg. No. 18,793.

metal) blade, with other longitudinal edge forming a handle. Strips of molding secured along opposite sides of beard throughout its length are shaped so as to define with handle edge of board a convenient hand grip. Device is light, easy to grasp, and resistant to warping. (Owner) Albert J. Schumock, 1337 Pennsylvania Ave., S. E., Wash-

notatum-chrysogenum group. The feed supplement is recovered from the fermentation mass by removing the bulk of the water. The supplement consists of the mycelium, suspended matter, and other solids. The process is particularly applicable to the recovery of a valuable byproduct in the manufacture of penicillin. Group 28—31. Reg. No. 18,807.

Pat. 2,451,775. HOLDER FOR INDIVIDUAL STENCILS AND THE LIKE. Patented Oct. 19, 1948. Device is used to securely hold stencils properly aligned in edge-to-edge relation when lettering windows, signs, etc. It is formed by laterally doubling a single elongated strip of sheet metal upon itself, and then bending the doubled material at an angle along its length to provide opposed angular clamping members for engaging the lower ends of stencils. After insertion of stencils, an elongated U-shaped clamp is tightened to hold clamping surfaces tightly together to prevent displacement of stencils. (Owner) Harrison Rober, 1801 South Central Ave., Los Angeles 21, Calif. Groups 33—73; 35—79. Reg. No. 18,792.

Des. Pat. 148,964. DESIGN FOR AN ARTICULATED FIGURE. Patented Feb. 26, 1946. A toy rooster, with arms. (Owner) Kenneth R. Eames, 3 Rice St., Worcester, Mass. Group 39—41. Reg. No. 18,793.

Des. Pat. 146,398. DESIGN FOR A SADDLE. Patented Feb. 25, 1947. An ornamental tooled design for a saddle. (Owner) W. D. Allison, 316 Main St., Montrose, Colo. Group 31—91. Reg. No. 18,794.

Pat. 2,449,319. BOOKMARK. Patented Sept. 14, 1948. U-shaped resilient strip provides gripping jaws having curled ends adapted to engage the top of the back binding of a book. The jaws are held in closed position by a lever pivoted to the bent portion of the strip. The portion of the book being marked is designated by a hanging bookmark pivoted to end of the lever. (Owner) Emil Polak, 69-25 38th Ave., Woodside, Long Island, N. Y. Groups 37—89; 38—73; 40. Reg. No. 18,795.

Pat. 2,451,882. LIQUID PROPORTIONING GAUGE OR INDICATOR. Patented Oct. 19, 1948. A sight gauge is connected in a pipe line adjacent a pump for determining the proportion of light and heavy liquid as the mixture flows through the pipe. Upper and lower outlet pipes connected to a liquid chamber connect with a pipe which leads to the intake side of pump. A sight gauge is connected above and below baffles in the chamber. The two liquids are visible in the gauge and weigh the same as the mixture in the chamber. A line of demarcation in the gauge moves up or down in response to changes in proportion of the amount of each liquid in the chamber. (Owner) Walter C. J. Smith, 2256 Queen St., Regina, Saskatchewan, Canada. Group 35—65. Reg. No. 18,796.

Pat. 2,451,470. VEHICLE ANCHOR DEVICE. Patented Oct. 19, 1948. An anchoring device for crane or wrecking trucks. A metal base plate has a yoke mounted at center of the under surface to which a chain is secured for attachment to forward part of vehicle. Inwardly offset rods mounted on the under surface have forwardly and downwardly extending prongs for inserting in the ground or highway. One device is used for each rear wheel. The chains are secured to truck body, and the devices are placed on ground or highway, and the vehicle driven so the rear wheels will ride onto the bases until the chains are taut. When the crane or winch is used to pull a load toward the truck, the rear wheels are held stationary. (Owner) John Buckley, Georgetown, Colo. Group 33—72. Reg. No. 18,797.

Pat. 2,450,186. TURBINE BLOWER. Patented Sept. 28, 1948. A rotary air blower particularly useful in connection with the refrigerating apparatus in automotive vehicles of the semi-trailer type. The blower is connected with the ice bunker. The shaft of the blower is extended through the front wall of trailer and operated by an auxiliary motor exterior of the trailer. Air currents are discharged from the blower in a plane parallel with the horizontal axis of the blower, through the ice bunker, and circulated through the interior of the trailer (Owner) B. W. Curry, 1026 North Myrtle Ave., Jacksonville 4, Fla. Groups 35—64; 38—11. Reg. No. 18,798.

Pat. 2,451,531. WIRE TIGHTENER. Patented Oct. 19, 1948. Hand tool is used to secure tie wires to concrete forms. The ends of a tie wire are releasably clamped to head of tool and handle turned to tension the wire and twist the ends in a single operation. Several embodiments are shown. In one embodiment the head will move outwardly without rotating to initially tension wire to a certain degree. Thereafter the head will rotate without any substantial outward movement to twist ends of wire. In another embodiment the wire is initially tensioned a predetermined degree and then subjected to combined tensioning and twisting movement. The degree of initial tensioning may be regulated as desired by adjusting tool prior to beginning of the operation. (Owner) Burt J. Bradley, 2001 Harrison Blvd., Boise, Idaho. Group 33—52. Reg. No. 18,799.

Pat. 2,448,986. COMB DECAPPER. Patented Sept. 7, 1948. A metal rotating drum for removing caps from filled cells of honeycomb has two rows of overlapping spaced staggered teeth. A movable carriage supports a reversible honeycomb frame, and the teeth engage the entire capped surface at one side of frame as it is moved over the drum, cutting the wax into fine particles. Wax falls into a screened casing where honey adhered thereto drips into a container. (Owner) Walter C. Ladwig, 223 South York St., Elmhurst, Ill. Group 35—51—59. Reg. No. 18,800.

Pat. 2,142,436. FLAME CUTTING APPARATUS. Patented Jan. 3, 1939. Automatic gear-cutting machine embodies a casing mounted on swiveled rollers, a motor, a train of gears, a reciprocating torch, and a tracer cam for guiding the torch during the cutting operation. A micrometer adjusting device between cam and torch insures accuracy of the work. The machine is placed on a blank from which numerous gears may be cut. In operation, machine bodily revolves completely around a stationary pivot to form gear. The stationary pivot is formed prior to start of cutting operation by centering and rigidly securing the lower end of a vertical rod to gear to be cut, and then adjustably securing upper end of rod to the hub of a pair of the gears by set screws to prevent these gears from turning during cutting operation. The cam and certain gears are readily replaceable to produce gears of various types and sizes. (Owner) Robert J. Clabeaux, R. D. 1, Sierk Road, Attica, N. Y. Group 35—41—43. Reg. No. 18,801.

Pat. 2,450,736. BRUSH HOLDER. Patented Oct. 5, 1948. A paint brush may be held suspended from this holder by pressing handle of brush laterally between its jaws. Holder is made of two pieces of wire. One piece is bent to form a hanger having a suspendable hook with a pair of depending springable legs. The other piece is bent to form a jaw member, which includes an upper loop, a pair of laterally spaced lower loops, and a pair of forwardly extending springable jaws. Jaw member clutchingly engages legs of hanger so that it may be adjusted vertically to accommodate brushes of different sizes. Several modified forms of jaw members are shown. (Owner) Charles Howard Pierce, 926 South Rose St., Kalamazoo 32, Mich. Groups 33—49—50; 40. Reg. No. 18,802.

Pat. 2,450,385. PLASTERER'S FEATHEREDGE DEVICE. Patented Sept. 28, 1948. Device for use by plasterers for smoothing up plaster applied to walls, ceilings, etc. An elongated wooden board has one longitudinal edge provided with a slot for releasably receiving an aluminum (or other metal) blade, with other longitudinal edge forming a handle. Strips of molding secured along opposite sides of board throughout its length are shaped so as to define with handle edge of board a convenient hand grip. Device is light, easy to grasp, and resistant to warping. (Owner) Albert J. Schumock, 1337 Pennsylvania Ave., S. E., Washington, D. C. Groups 25—99; 33—52; 40. Reg. No. 18,803.

Pat. 2,431,105. LOCK AND LATCH. Patented Nov. 18, 1947. When this lock is installed, no projections extend outwardly from opposite sides. A pair of finger bars for withdrawing latch bolt are disposed inside housing of lock. These bars are accessible through openings in finishing plates, which are secured to opposite sides of lock housing and door when lock is installed. The latch bolt has rack teeth meshing with a pinion, and pinion meshes with a pair of vertical rack bars. The finger bars are connected by yokes to the upper ends of rack bars. To prevent withdrawal of latch bolt, a pair of finger buttons accessible through openings in finishing plates may be provided for shifting blocking members beneath the lower ends of vertical rack bars. (Owner) Gaylord A. Brinson, Mount Summit, Ind. Group 33—59. Reg. No. 18,804.

Pat. 2,448,764. ROUND WINDOW WITH REVOLVING SASH. Patented Sept. 7, 1948. Circular window has a pair of semicircular revolving sashes which may be rotated with respect to each other to assume any position between fully open and fully closed. Sashes are mounted in a circular window frame for rotation completely around a common axis by pivotally connecting overlapping cross bars of the sashes to a cross bar secured to window frame. The window frame, consisting of a pair of semicircular sections connected end to end, has a circular sash-retaining flange around its outer edge. The inner surface of frame is formed with stepped annular surfaces to receive the sashes and a circular sash-supporting frame insert. A circular framing rim is provided for attachment to inner side of frame to retain sashes in place. A latching device is provided for holding the sashes in open and closed positions. The use of sash weights, cords, etc., is eliminated. (Owner) Gaylord A. Brinson, Mount Summit, Ind. Groups 24—31; 33—83. Reg. No. 18,805.

United States Government Owned Patents

The following five patents have been assigned by the inventors to the United States of America as represented by the Secretary of Agriculture. Licenses to practice the inventions will be issued on a royalty-free, non-exclusive, non-transferable, revocable basis. Applications for licenses should be addressed to the Bureau of Agricultural and Industrial Chemistry, U. S. Department of Agriculture, Washington, D. C.

Pat. 2,445,931. PROCESS OF EXTRACTION FROM VEGETABLE MATERIALS. Patented July 27, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Fatty oils and waxy solids are extracted from vegetable materials, such as soybeans, cottonseed, flaxseed, peanuts, tung nuts, and the like, with a lower alcohol (ethanol). The material is subjected to hot alcohol and the extract cooled until oil separates (about 20° C. or lower). The oil is separated and the alcohol further cooled to separate solid material. The alcohol is then re-used without distillation refinement for further extraction of the material. The two cooling steps may be combined to cause removal of oil and solids together. The process has become known as the "no distillation" process. Group 28—23. Reg. No. 18,806.

Pat. 2,449,340. VITAMIN-B-COMPLEX CONCENTRATE. Patented Sept. 14, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A feed supplement rich in vitamin-B-complex is produced by fermenting under submerged aerated conditions a fermentation medium employing fungi of the *Penicillium notatum-chrysogenum* group. The feed supplement is recovered from the fermentation mass by removing the bulk of the water. The supplement consists of the mycelium, suspended matter, and other solids. The process is particularly applicable to the recovery of a valuable byproduct in the manufacture of penicillin. Group 28—81. Reg. No. 18,807.

Pat. 2,450,586. PROCESS FOR SACCHARIFYING PLANT MATERIALS. Patented Oct. 5, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) The saccharification of plant material is claimed, including the steps of progressive degradation in a plurality of successive stages. The plant material is first treated with 1 to 6 percent sulfuric acid at 100 to 121° C. to convert pentosans into pentoses and furfural. The residue, free of pentoses and containing entrained acid, is dried and mixed with 0.15 to 0.55 part concentrated sulfuric acid. The mixture, a free flowing powder, is subjected to mechanical mastication for a short period at below 45° C. The latter treatment converts the powder into a stiff plastic mass and is accompanied by further degradation of the cellulose. The mastication is stopped just short of the formation of substantial amounts of dextrose. The treated material is then hydrolysed to produce dextrose. Groups 20—61; 28—83. Reg. No. 18,808.

Pat. 2,450,940. POLYAMIDES FROM POLYMERIC FAT ACIDS. Patented Oct. 12, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A hard fusible polyamide resin is produced by heating polymerised polyene fatty acids or their functional derivatives with an equivalent amount of diamine. The temperature of reaction is below 160° C. at the start and thereafter is raised to 175° to 225° C. The product has a molecular weight of 3000 to 5000 and is valuable as a heat sealing resin. Group 28—83. Reg. No. 18,809.

Pat. 2,451,567. PROCESS FOR PREPARING STARCH HYDROLYZING ENZYME WITH ASPERGILLUS. Patented Oct. 19, 1948. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A starch hydrolysing ensyme complex containing dextrinising and saccharifying ensymes is prepared by cultivating certain strains of Aspergillus. The product is a fungal amylase capable of totally replacing barley malt for converting grain mashes in a distillery or for manufacturing food syrups and sweetening agents. Groups 20—61—94; 28—83. Reg. No. 18,810.

Removed from Register

The following patents have been removed from the Register of Patents Available for License or Sale:

Reg. No. 10,062. Pat. 2,443,355. PIPE CLEANER.
Reg. No. 10,163. Pat. 2,020,302. FUEL PUMP.

E. I. du Pont de Nemours and Company has placed more than 4,000 of its patents on the Register of Patents as available for license on reasonable terms. The index to these patents was published in the OFFICIAL GAZETTE, November 2, 1948. Publication of abstracts of the patents began in the November 9, 1948, issue of the OFFICIAL GAZETTE and is concluded in this issue. The following patents (Reg. Nos. 18,811 through 19,066) are the balance of Schedule 10. Groups 28 and 30.

SCHEDULE 10—Continued

Patents Relating to Elastomers and Elastomer Chemicals

P[illegible]2,005. Preservation of Rubber. Mar. 21, 1933. The [illegible]od of increasing the age-resisting properties of rubber which comprises incorporating in the rubber a compound obtainable by reacting boric acid with an ortho dihydroxy aromatic body and a basic salt-forming substance.

Pat. 1,907,590. Use of Fluoboric and Fluosilicic Acid in Acetylene Reactions. May 9, 1933. In the process for forming compounds by reacting an organic compound with acetylene in the presence of a mercuric catalyst, the step which comprises carrying out the reaction in the presence of an anhydrous fluoboric or fluosilicic acid.

Pat. 1,956,418. Coating Composition. May 15, 1934. A coating composition comprising a synthetic drying oil prepared from a non-benzenoid acetylene polymer and a toxic aromatic hydrocarbon substance, such as a nitrobenzene.

Pat. 2,018,643. Method of Plasticising Rubber and Product Thereof. Oct. 22, 1935. Unvulcanised rubber is plasticised by treating it, in the absence of more than 3% of sulfur, with an unsymmetrically substituted hydrazine to improve the raw characteristics.

Pat. 2,018,644. Plastic Rubber Product. Oct. 22, 1935.

Pat. 2,077,485. Polymers and Method for Preparing Same. Apr. 20, 1937. Polymerisation of pure vinylacetylene in the presence of a non-acetylenic film-forming material of the group consisting of resins, cellulose derivatives, and polymerisable materials containing at the least 2 C

cal is unsubstituted or substituted by at least one alkyl, alkoxy, hydroxy, or primary amino group.

Pat. 1,907,560. Use of Fluoboric and Fluosilicic Acid in Acetylene Reactions. May 9, 1933. In the process for forming compounds by reacting an organic compound with acetylene in the presence of a mercuric catalyst, the step which comprises carrying out the reaction in the presence of an anhydrous fluoboric or fluosilicic acid.

Pat. 1,908,093. Process of Producing Age-Resisting Rubber Compositions and Product Obtained Thereby. May 9, 1933. Process of producing a vulcanized rubber of improved age-resisting properties, which comprises vulcanizing a rubber mix in the presence of a product obtainable by condensing n-butyraldehyde with an equi-molecular amount of an aromatic primary amine prepared in the presence of at least 1/30 mol. of a weak organic acid for each molecular amount of aldehyde.

Pat. 1,913,621. Preservation of Rubber. June 13, 1933. Preservation of vulcanized rubber by incorporating in the rubber a 2-hydroxy-1-naphthyl-aryl-amino-methane or substituted amino-methane.

Pat. 1,915,979. Accelerator for the Vulcanization of Rubber. June 27, 1933. Process for treating rubber or similar material which comprises combining with an unvulcanized rubber compound a vulcanizing agent and the product obtained by reacting aniline and butyl aldehyde under essentially anhydrous conditions and in the presence of less than 5% by weight of an acidic material.

Pat. 1,920,242. Hydrogenation of Mono-Vinylacetylene. Aug. 1, 1933. The process which comprises reacting monovinylacetylene and hydrogen in the presence of a hydrogenating catalyst.

Pat. 1,928,773. Vulcanization of Rubber. Oct. 3, 1933. Dibensothiazyl 1-ss' dithio carbonates and their use in rubber as vulcanisation accelerators.

Pat. 1,938,651. Vulcanization of Rubber. Dec. 12, 1933. Rubber containing an alkali metal salt of a dialkyl dithiocarbamate as a vulcanization accelerator.

Pat. 1,940,280. Rubber Vulcanization. Dec. 19, 1933. In the process of vulcanising rubber the step of adding to the rubber a small amount of butyl substituted ammonium acetate and a member of the group consisting of tetramethyl-thiuram-monosulfide and mercaptobensothiasole.

Pat. 1,943,570. Accelerator for the Vulcanization of Rubber. Jan. 16, 1934. Method of treating an aldehyde-amine resin type of vulcanization accelerator which comprises treating the accelerators with a chemical material capable of reacting with the water therein to produce a compound noninjurious to rubber.

Pat. 1,947,458. Method of Compounding Rubber. Feb. 20, 1934. Rubber containing an antioxidant of the formula, HO—R—R'—OH or HO—R'—R''—H, where R=naphthyl or phenyl and R' and R''=phenyl.

Pat. 1,950,430. Process of Impregnation and Product Obtained Thereby. Mar. 13, 1934. Process of impregnating a porous object with a composition comprising essentially a non-benzenoid polymer of acetylene in the fluid state and an antioxidant.

Pat. 1,950,478. Method of Compounding Rubber. Mar. 13, 1934. Rubber containing an anti-aging compound of the formula, NH_2—R—NH—R'—Y, where R=aryl, R'=phenyl and Y=H, OH, or NH_2, e. g. p-amino-diphenylamine.

Pat. 1,952,116. Polymerization of Unsaturated Organic Materials. Mar. 27, 1934. Polymerisation of unsaturated aliphatic compounds having at least two conjugated double bonds, aromatic compounds having an unsaturated side chain, or unsaturated aliphatic esters, halides or aldehydes under a pressure of at least 6,000 atm.

Pat. 1,954,377. Method of Inhibiting the Deterioration of Rubber. Apr. 10, 1934. Diamino-diaryl-alkanes as age-resistors for rubber e. g., p-p'-diamino-di-o-anhyl-dimethyl-methane.

Pat. 1,958,418. Coating Composition. May 15, 1934. A coating composition comprising a synthetic drying oil prepared from a non-benzenoid acetylene polymer and a toxic aromatic hydrocarbon substance, such as a nitrobensene.

Pat. 1,959,408. Coating Composition. May 22, 1934. A partially polymerized hydrogenated polymerizable acetylene polymer in admixture with a paint or varnish adjunct of the group consisting of driers, pigments, fillers, antioxidants, volatile solvents, softeners, natural gums, drying oils, and synthetic resins.

Pat. 1,963,108. Esters and Process for Making the Same. June 19, 1934. Process of forming esters by reacting an organic carboxylic acid and a compound of the formula: $CH_2=CR—C\equiv CR_1$, where R and R_1=hydrogen or organic radical; and polymers thereof.

Pat. 1,963,934. Vinylethinyl Derivatives and Processes for Producing Same. June 19, 1934. Reaction of monovinyl acetylene with an alkali metal or alkali metal amide to form sodium vinyl acetylide. Also claims the reaction of this product with Grignard reactive compounds.

Pat. 1,967,864. Halogen-Vinyl Acetylene and Process of Preparing Same. July 24, 1934. Process of forming 1-halogen-2-vinylacetylenes by treating monovinylacetylene with an alkaline hypohalite, and polymers thereof.

Pat. 1,978,444. Preservation of Rubber. Oct. 30, 1934. Use of N-substituted naphthalene diamines as rubber antioxidants.

Pat. 1,989,788. Method of Compounding Rubber. Feb. 5, 1935. Use of mono-hydroxy-diaryl-methanes as rubber antioxidants.

Pat. 1,997,760. Vulcanization of Rubber. Apr. 16, 1935. Rubber containing a mercaptobensothiasole, diphenyl guanidine, tetramethyl thiuram monosulfide or butyraldehyde-aniline accelerator and a small amount of a zinc, lead, mercury or cadmium propionate as activator.

Pat. 2,002,622. Natural and Artificial Rubber Latex. May 28, 1935. Artificial and natural latices containing enough sulfonated abietane, sulfonated abietene or sulfonated abietine to increase the stability of the latex.

Pat. 2,002,639. Vulcanization of Rubber. May 28, 1935. Use of the products obtainable by hydrogenating carbazole until at least part of the product is soluble in 10% acetic acid as vulcanization accelerators for rubber.

Pat. 2,006,057. Vulcanization of Rubber. June 25, 1935. Treatment of rubber by incorporating into the rubber mix, prior to vulcanization, a thiuram polysulfide accelerator derived from a secondary amine together with a thiuram monosulfide accelerator derived from a secondary amine.

Pat. 2,010,828. Chemical Compound and Process for Preparing the Same. Aug. 13, 1935. Reaction of a compound having the formula RXH in which R is a hydrocarbon radical and X consists of 1–3 atoms selected from Group VI, subgroup B, of the periodic table, with $CH_2=CH—CO—R_1$, where R_1=hydrocarbon.

Pat. 2,014,198. Chemical Product and Process of Preparing Same. Sept. 10, 1935. Rubber composition containing carbon black and an open chain aliphatic alcohol of at least 8 carbon atoms which acts as a dispersing agent for the carbon black.

Pat. 2,015,207. Process of Vulcanising Rubber. Sept. 24, 1935. Use of a salt of a polybasic acid ester of an alcohol having 6–20 carbon atoms for coating metallic molds used in the molding of rubber to prevent the adhesion of rubber to the mold.

Pat. 2,015,234. Chemical Product and Process for Producing Same. Sept. 24, 1935. A rubber composition containing a pigment, e. g. carbon black, and an aliphatic dihydric or aliphatic trihydric alcohol having at least 8 carbon atoms.

Pat. 2,018,643. Method of Plasticising Rubber and Product Thereof. Oct. 22, 1935. Unvulcanised rubber is plasticised by treating it, in the absence of more than 3% of sulfur, with an unsymmetrically substituted hydrazine to improve the flow characteristics.

Pat. 2,018,644. Plastic Rubber Product. Oct. 22, 1935. Unvulcanized rubber is plasticised by treating it with a salt of an unsymmetrically substituted hydrazine to improve the flow characteristics.

Pat. 2,018,645. Rubber Cement of High Rubber Content and Low Viscosity. Oct. 22, 1935. Method of reducing the viscosity of unvulcanised rubber solutions which comprises the step of subjecting the rubber to the action of a small amount of unsymmetrically substituted hydrazine compound containing the hydrazine nucleus for a length of time sufficient to decrease its viscosity and in the absence of sufficient amounts of compounding ingredients to neutralise the viscosity reducing action of the hydrazine compound.

Pat. 2,018,678. Isomerization of Rubber. Oct. 29, 1935. Isomerisation of rubber dissolved in an inert solvent by adding anhydrous hydrofluoric acid.

Pat. 2,034,889. Inhibitor for Rubber Vulcanization. Mar. 24, 1936. Treatment of rubber by combining with unvulcanised rubber a vulcanising agent, a mercapto aryl thiazole accelerator which normally promotes at least partial vulcanisation below 110° C., and a substituted benzoic acid compound to inhibit vulcanization below 100° C.

Pat. 2,034,895. Molding Compositions. Mar. 24, 1936. Claims a thermoplastic composition of matter prepared by subjecting a mixture containing 25% by weight of a liquid non-benzenoid polymerizable polymer of acetylene which is non-volatile at 100° C., 1% phenyl-α-naphthylamine and 74% of wood flour, to a temperature of substantially 160° C. and a pressure of substantially 2000 lbs. per square inch for 40 minutes.

Pat. 2,036,300. Pigmented Coating Composition. Apr. 7, 1936. A coating composition comprising a liquid, relatively non-volatile polymer of acetylene vehicle and a pigment composition consisting of 15 parts asbestine, 13 parts barytes, 28 parts blanc fixe and 2 parts stearic acid disposed on the pigment particles by a pretreatment.

Pat. 2,037,717. Xanthates and Method of Making Same. Apr. 21, 1936. Xanthates of monohydric primary alcohols containing 17–18 carbon atoms and useful as rubber accelerators and flotation agents.

Pat. 2,041,854. Preservation of Rubber. May 26, 1936. Rubber containing, as a deterioration inhibitor a hydroxyphenylamino N-phenyl-morpholine, the indo-phenol from p-amino-phenyl-morpholine and o-cresol, or a methoxyphenylamino N-phenyl-morpholine.

Pat. 2,044,059. Method of Compounding Rubber. June 16, 1936. Rubber containing an alkoxy substituted diarylamine as a preservative.

Pat. 2,046,160. Hydrogenated Rubber and a Process for Producing Same. June 30, 1936. Hydrogenation of rubber in solution in decahydronaphthalene, methyl decahydronaphthalene, ethyl decahydronaphthalene, hydrogenated anthracene, or hydrogenated phenanthrene in the presence of a hydrogenation catalyst.

Pat. 2,067,172. Chemical Compounds and Process for Preparing Same. Jan. 12, 1939. Halogenated polymer of an alpha, gamma-diene containing a single halogen atom in the molecule, e. g. chloroprene.

Pat. 2,067,299. Rubber Solution. Jan. 12, 1937. Method of reducing the viscosity of solutions of unvulcanised rubber by treating with an unsymmetrically substituted hydrazine compound in the presence of an alcohol.

Pat. 2,067,978. Preservation of Rubber. Jan. 19, 1937. Preservation of rubber by incorporating therein a secondary phenyl naphthylamine whose phenyl group has a morpholyl or piperidyl substituent, and the naphthyl radical is unsubstituted or substituted by at least one alkyl, alkoxy, hydroxy, or primary amino group.

Pat. 2,077,485. Polymers and Method for Preparing Same. Apr. 20, 1937. Polymerisation of pure vinylacetylene in the presence of a non-acetylenic film-forming material of the group consisting of resins, cellulose derivatives, and polymerisable materials containing at the least 2 C atoms in an open-chain joined by more than one bond.

Pat. 2,077,502. Preservation of Rubber. Apr. 20, 1937. Preservation of rubber by incorporating therein an N,N'-disubstituted 1,5-naphthalene diamine in which each N substituted group is a benzene ring in which the substituent is a hydroxy, alkyl, or alkoxy radical, at least one of the benzene rings containing a hydroxy, alkyl, or alkoxy group.

Pat. 2,079,758. Unsaturated Ethers and Process for Producing Same. May 11, 1937. Compounds of the formula: CH_2—CX=CH—CH_2OR, X=halogen and R=radical from an alcohol or phenol, e. g., glycerol or p,p'-dihydroxy-diphenyl.

Pat. 2,082,568. Vinylethinyl Derivatives and Processes for Producing Same. June 1, 1937. Vinylethinyl derivatives are made by reacting a compound of the formula: $CH_2=CH—C\equiv CMgY$, where Y=halogen or vinylethinyl, with a compound containing an inorganic strong acid radical of the class consisting of alkyl halides, aralkyl halides, alkyl sulfates and alkyl esters of aryl sulfonic acids.

Pat. 2,082,569. Vinylethinyl Derivatives and Process for Preparing Same. June 1, 1937. Preparation of vinylethinyl derivatives by reacting an alkali metal vinylacetylide with a compound containing an inorganic strong acid radical of the class consisting of alkyl halides, aralkyl halides, alkyl sulfates and alkyl esters of aryl sulfonic acids.

Pat. 2,085,452. High Molecular Weight Sulphur Compounds. June 29, 1937. Preparation of dialkyl sulfides by heating a compound of the formula: R—Y, R=10–15 C atom straight chain saturated aliphatic radical and Y=radical of an oxygen free inorganic acid, with a sulfide salt of the formula: MSX, M=alkali metal and X=alkali metal or H. Example: dodecyl bromide + sodium sulfide=didodecyl sulfide.

Pat. 2,091,845. Accelerator for the Vulcanisation of Rubber. Aug. 31, 1937. Method of vulcanising rubber by incorporating therein an alkaline earth salt of a 1-mercapto arylene thiazole.

Pat. 2,093,501. Electrical Conductor. Sept. 21, 1937. An electrical conductor covered with a composition comprising a polymer of a hydro-halogen addition product of monovinylacetylene. Composition containing natural rubber is also claimed.

Pat. 2,099,773. Preparation of Tetraalkyl Thiuram Monosulphides. Nov. 23, 1937. Triethanolamine oleate as the dispersing agent in the preparation of tetramethyl thiuram monosulfide from cyanogen chloride and sodium dimethyl dithiocarbamate.

Pat. 2,100,370. Vulcanisation of Rubber. Nov. 30, 1937. Method of vulcanising rubber by incorporating therein an acidic type sulfur containing accelerator and a diaryl guanidine sulfate.

Pat. 2,109,940. New Catalysts. Feb. 22, 1938. Dihydroxyfluoboric acid $H_2BO_2F_2$, a new composition of matter, and its BF_3 addition compounds are prepared from boric oxide and anhydrous HF. The product is a new catalyst for polymerisation, alkylation of phenols, esterification and acetylene reactions, thus replacing BF_3.

Pat. 2,109,968. Products and Processes for Producing Same. Mar. 1, 1938. The process of forming a strong tear-resistant product resembling vulcanised natural rubber which comprises passing an electric current through a dispersion of chloro-2-butadiene-1,3 polymer containing an electrolyte and a salt of a water-soluble alkyd resin.

Pat. 2,110,199. Tertiary Nonaromatic Amines and Methods for Producing Same. Mar. 8, 1938. A compound of the formula: $CH_2=CH—C\equiv C—CH_2—X$, where X is a radical which results upon the removal of amino hydrogen from a secondary non-aromatic amine, and which contains one N atom and is otherwise composed of C and H.

Pat. 2,122,505. Plasticising Rubber. Oct. 11, 1938. In the process of making rubber articles, the steps which comprise plasticising unvulcanised rubber by subjecting the rubber to the action of a small amount of a complex organic compound, which is a chemical addition product of a metal salt and an unsymmetrically substituted hydrazine.

Pat. 2,183,342. Plasticising Rubber. Dec. 12, 1939. Method of producing non-tacky unvulcanised rubber of decreased resistance to flow by subjecting the unvulcanised rubber to the action of 0.05–0.8% of alpha-nitroso-beta-naphthol in the absence of a neutralising agent until the desired reduction in viscosity is obtained.

boxylic carbons by carbon linkages, and in the absence of more than 3% S and of a neutralizing agent.

Pat. 2,234,204. Plastic Polymer of Butadiene and Process of Producing Same. Mar. 11, 1941. Butadiene and hydrocarbon-substituted butadiene polymers made in the presence of sulfur are plasticised with various mercaptans

Pat. 2,110,199. Tertiary Nonaromatic Amines and Methods for Producing Same. Mar. 8, 1938. A compound of the formula: $CH_2=CH-C\equiv C-CH_2-X$, where X is a radical which results upon the removal of amino hydrogen from a secondary non-aromatic amine, and which contains one N atom and is otherwise composed of C and H.

Pat. 2,116,333. Preservation of Rubber. May 3, 1938. Rubber having incorporated therein an N,N' disubstituted naphthalene diamine in which the nitrogens are attached to different rings of the naphthalene nucleus and in which each N substituted group is a member of the group consisting of alkyl, aralkyl and aryl groups containing at the most one benzene ring and in which substituents are restricted to members of the group consisting of hydroxy, alkyl and alkoxy radicals.

Pat. 2,119,531. New Condensation Products of Acetylenic Compounds. June 7, 1938. Alpha-halo ethers are added to acetylenic triple bonds, particularly conjugate eneynes. The compounds obtained may be polymerised or copolymerised, e. g., with chloroprene. Example:

$$CH_2=CH-C\equiv CH + Cl-CH_2-O-CH_3 \rightarrow CH_2-O-CH_2CH=C=CHCH_2Cl$$

Pat. 2,121,618. Preservation of Rubber. June 21, 1938. Method of increasing the age-resisting properties of rubber by incorporating therein a small amount of a compound of the formula:

$$R-\underset{H}{N}-A-\underset{H}{N}-R'$$

where A = diphenyl, R = alkyl or aralkyl, and R' = H, alkyl or aralkyl.

Pat. 2,121,619. Preservation of Rubber. June 21, 1938. Method of increasing the age-resisting properties of rubber by incorporating therein a small amount of a compound of the formula:

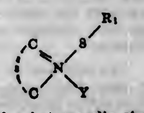
$$R-\underset{H}{N}-A-NH_2$$

where A = diphenyl, and R = alkyl or aralkyl.

Pat. 2,124,686. Ketals. July 26, 1938. Process for making ketals by reacting a 4 C chain ketone of the group consisting of $CH_3COCH=CH_2$ and $CH_3COCH_2CH_2OR$, with an orthoformate of the formula $HC(OR_1)_3$ and a hydroxy compound of the formula R_2OH, where R, R_1 and R_2 are hydrocarbon radicals.

Pat. 2,131,206. Preservation of Rubber. Sept. 27, 1938. Method of preserving rubber by incorporating therein a secondary N-aromatic ar.-tetra-hydro-naphthylamine in which the aromatic group contains a substituent, e. g., a hydroxy, alkoxy and amino groups.

Pat. 2,131,244. Vulcanisation of Rubber. Sept. 27, 1938. Method of vulcanising rubber by incorporating in a rubber mix, prior to vulcanisation, a compound of the type:



where N is part of a heterocyclic ring, R_1 represents a hydrocarbon radical having a carbon atom directly bonded to the S, and Y is an organic radical having a carbon atom directly connected to N. The preparation of compounds of this type is disclosed.

Pat. 2,131,245. Vulcanisation of Rubber. Sept. 27, 1938. Method of vulcanising rubber by incorporating into the rubber mix prior to vulcanisation a small amount of a quaternary ammonium compound in which one valence of the nitrogen is satisfied by an anion of an inorganic acid, organic dicarboxylic acid, phenol, alcohol, thio phenol or thio alcohol, and each of the remaining valences is satisfied by a distinct C atom, at least 2 of which are aliphatic.

Pat. 2,132,505. Plasticising Rubber. Oct. 11, 1938. In the process of making rubber articles, the steps which comprise plasticising unvulcanised rubber by subjecting the rubber to the action of a small amount of a complex organic compound, which is a chemical addition product of a metal salt and an unsymmetrically substituted hydrazine.

Pat. 2,137,820. Purification of Mercapto Aryl Thiazoles. Nov. 22, 1938. Method of purifying crude 2-mercapto arylene thiazoles of the benzene and naphthalene series containing tarry materials by treating the crude with a hot aqueous solution of 1–1,5 equivalents of an alkali metal bicarbonate or carbonate, until the mercapto arylene thiazole is dissolved, and separating the undissolved material from the solution.

Pat. 2,140,713. Addition Products of Acetylene and Alcohol and Process of Producing Them. Dec. 20, 1938. Reaction of alcohols with compounds of the formula $RC\equiv CR_1$, where R and R_1 are H or hydrocarbon radicals, but in which R and R_1 are never both H, in the presence of mercuric oxide, a boron fluoride affording compound, and a trichloroacetic acid.

Pat. 2,144,446. Preservation of Rubber. Jan. 17, 1939. Method of preserving rubber and rubber in latex which comprises incorporating therein a compound of the formula:

$$R-\underset{H}{N}-A$$

R = naphthyl, and A = allyl, crotyl or vinyl.

Pat. 2,145,388. Method of Preparing Diacetyl. Jan. 31, 1939. Diacetyl is prepared by heating methyl vinyl ketone at 80°–100° C. for a substantial period in the presence of an aqueous acid solution of a mercuric salt.

Pat. 2,158,530. Thermoplastic Derivatives of Rubber. May 16, 1939. Thermoplastic material formed by heating a mixture of unvulcanised rubber and a monohydric phenol with a sulfuric acid, halogen sulfonic acid, organic sulfonic acid, alkyl sulfate, boron trifluoride or dihydroxy fluoboric acid catalyst.

Pat. 2,165,525. Process for Increasing Plasticity of Polymers of Substituted Butadienes. July 11, 1939. The plasticity of halogen-substituted butadiene polymers is increased by treating them with an unsymmetrical substituted hydrazine compound.

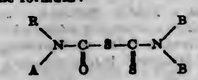
Pat. 2,167,067. Chemical Process. July 25, 1939. Olefines are prepared by reacting a diene-yne of the formula:

$$R-CH=\underset{R_1}{C}-C\equiv C-\underset{R_2}{C}=CH-R_3$$

where R, R_1, R_2, and R_3 = H or alkyl radicals having less than 6 C atoms, and in which at least one of the R's is an alkyl radical, with an excess of hydrogen in the presence of a catalytic amount of active nickel.

Pat. 2,171,420. Carbamyl Dithio-Carbamates. Aug. 29, 1939. Method of preparing aryl alkyl carbamyl dialkyl dithio-carbamates by adding one molecular proportion of an aryl alkyl carbamyl halide to a salt of a dialkyl dithiocarbamic acid in an inert volatile solvent and separating the aryl alkyl carbamyl dialkyl dithio-carbamate from the solvent.

Pat. 2,171,421. Vulcanisation of Rubber. Aug. 29, 1939. Method of vulcanising rubber by incorporating in a rubber mix, prior to vulcanisation, a small amount of a compound of the formula:



where R = radical of the benzene or naphthalene series, A = aliphatic hydrocarbon, and B = a carbon atom of an aliphatic hydrocarbon radical.

Pat. 2,183,342. Plasticising Rubber. Dec. 12, 1939. Method of producing non-tacky unvulcanised rubber of decreased resistance to flow by subjecting the unvulcanised rubber to the action of 0.05–0.8% of alpha-nitroso-beta-naphthol in the absence of a neutralising agent until the desired reduction in viscosity is obtained.

Pat. 2,186,714. Plasticising Polymeric Organic Sulphides. Jan. 9, 1940. Flow-resistance of polymeric organic sulfides is decreased by adding 0.05–1% of a thiophenol or thioalcohol and 0.05–1% of a thiuram disulfide, diaryl disulfide or arylene thiaxyl disulfide.

Pat. 2,190,587. Softening Rubber. Feb. 13, 1940. Method of decreasing the resistance to flow of unvulcanised rubber by subjecting the rubber at 130°–200° C. to the action 0.25% of a mercapto arylene thiazole containing only one thiazole ring as a part of any one aromatic ring or of a thiazole derivative which liberates free thiazole, in the absence of more than 0.5% S, 0.5% of a pigment, and of a neutralising agent.

Pat. 2,191,266. Softening Rubber. Feb. 20, 1940. Method of decreasing the resistance to flow of unvulcanised rubber by subjecting it to the action of a monothiocarboxylic acid in which the sulfur is in the carboxyl group, in the absence of more than 3% S, and in the absence of a neutralising agent.

Pat. 2,192,015. Polymerisation and Condensation Process Catalysed by Means of Dihydroxyfluoboric Acid and Dihydroxyfluoboric Acid-Boron Fluoride Addition Compounds. Feb. 27, 1940. Polymerisation and condensation process catalysed by means of dihydroxyfluoboric acid and dihydroxyfluoboric acid-boron fluoride addition compounds.

Pat. 2,192,298. Production of Levulinic and Homologous Acids and Intermediate Compounds From Dihalogen Butenes. Mar. 5, 1940. Production of levulinic acid and its homologs by reacting a strong nonoxidising oxygen acid with a member of the group consisting of halogen-4-pentene-3-oic acids and their homologs and hydrolysing.

Pat. 2,192,299. Halogen 2-Hydroxy-4-Butenes-2 and Their Derivatives and Methods of Producing Same. Mar. 5, 1940. Compounds of the formula:

$$RCH_2-\underset{X}{C}-\underset{Y}{CR_1}-CHR_2$$

R, R_1 and R_2 = H or hydrocarbon, X = halogen and Y = hydroxyl or carboxylic acyloxy.

Pat. 2,194,704. Unsaturated Ketones and Process for Producing Them. Mar. 26, 1940. Preparation of unsaturated ketones by reacting a carboxylic acid halide of the formula:

$$R-\underset{O}{C}-X$$

where R is a saturated aliphatic hydrocarbon radical, X = halogen, with an acetylenic compound of the formula $R_1-C\equiv C-R_2$, where R_1 is a hydrocarbon, and R_2 is H or a hydrocarbon, in the presence of a Friedel-Crafts type catalyst.

Pat. 2,200,941. Process for Producing Sodium Acetylide. May 14, 1940. Preparation of sodium acetylide by adding sodium to a liquid ammonia solution of acetylene at such a rate that during the major portion of the reaction, no dissolved excess of sodium is present.

Pat. 2,218,362. Rubberlike Interpolymers of Butadiene and Methyl Methacrylate and Process for Making Same. Oct. 15, 1940. Polymerization of an aqueous dispersion of a mixture of butadiene and methyl methacrylate.

Pat. 2,223,085. Softening Rubber. Nov. 26, 1940. Method of decreasing the resistance to flow of unvulcanised rubber by subjecting it to the action of a thiocarboxylic acid of the formula:

$$R-\underset{O}{C}-S-\underset{O}{C}-R_1$$

where R and R_1 = organic groups connected to the carboxylic carbons by carbon linkages, and in the absence of more than 3% S and of a neutralising agent.

Pat. 2,234,204. Plastic Polymer of Butadiene and Process of Producing Same. Mar. 11, 1941. Butadiene and hydrocarbon-substituted butadiene polymers made in the presence of sulfur are plasticised with various mercaptans and disulfides.

Pat. 2,236,389. Vulcanisation of Rubber. Mar. 25, 1941. Claims the vulcanisation of rubber using a salt sulfide or ester of hexamethylene dithiocarbamate as a vulcanisation accelerator.

Pat. 2,238,141. Process of Stabilising Composite Articles of Cellulose Material and Neoprene by the Addition of Fluorides and Products Resulting Therefrom. Apr. 15, 1941. Claims a method for retarding the deterioration of fabrics, through liberation of hydrogen chloride from polychloroprene deposited on the fabric, by incorporating an inorganic fluoride in the polymer or impregnating the fabric with an inorganic fluoride before coating it with the poly-chloroprene.

Pat. 2,261,042. Vulcanisation of Rubber. Oct. 28, 1941. Method of vulcanising rubber by incorporation into the rubber mix, prior to vulcanisation, a small amount of a 2-amino-thiazoline compound of the group consisting of 2-amino-thiazolines and their salts of weak acids.

Pat. 2,262,481. Accelerator for the Vulcanisation of Rubber. Nov. 11, 1941. Vulcanisation of rubber in the presence of a small proportion of a 2-mercapto-thiazoline in which the hydrogen of the mercaptan group has been substituted by an organic radical which is more strongly electron-attracting than the ortho-tolyl radical, the carbon of the electron-attracting group being connected to sulfur by a covalent bond, e. g. 2-mercapto 4-methyl thiazoline.

Pat. 2,269,472. Vulcanisation of Rubber. Jan. 13, 1942. Rubber having incorporated therein a small proportion of a combination of primary and secondary accelerators in which the primary accelerator is 2-mercapto-thiazoline or carbon substituted 2-mercapto-thiazolines in which the substituents are alkyl or hydroxyalkyl groups, and the secondary accelerator is an aldehydeamine or aryl guanidine, there being from about 1 to about 50 parts of the primary accelerator in the combination.

Pat. 2,276,203. Condensation of Allyl Halides and Substituted Allyl Halides. Mar. 10, 1942. Process which comprises condensing with itself a compound of the formula:

$$R'-CH=\underset{R}{C}-CH_2X$$

X = halogen, R = H, halogen, or alkyl, and R' = H, alkyl, halogen substituted alkyl, aryl, or carboxy ester, and wherein both R and R_1 contain less than 13 carbon atoms, by reacting it with an alkali metal or alkaline earth metal amide in the presence of liquid ammonia. Chloromethyl vinyl cyclohexene and derivatives are claimed as new products.

Pat. 2,283,334. Vulcanization of Rubber. May 19, 1942. Vulcanisation of rubber using 2-mercaptothiasoline as a primary accelerator, and a dithiocarbamic acid as a secondary accelerator, there being from about 1 to about 100 parts of the former to each part of the latter.

Pat. 2,283,335. Vulcanisation of Rubber. May 19, 1942. Vulcanization of rubber using as a primary accelerator 2-mercapto-thiasoline and as a secondary accelerator a dithiocarbamic acid with the acyl radical attached thru the sulfhydryl sulfur. About 1 to 50 parts of the former is used to each part of the latter.

Pat. 2,283,336. Vulcanization of Rubber. May 19, 1942. Vulcanisation of rubber using 2-mercaptothiasoline as a primary accelerator, and an accelerating metal salt of a dithiocarbamic acid as a secondary accelerator, there being from about 1 to about 100 parts of the former to each part of the latter.

Pat. 2,283,337. Vulcanisation of Rubber. May 19, 1942. Vulcanisation of rubber using 2-mercaptothiasoline as a primary accelerator, and an accelerating ester of a dithiocarbamic acid as a secondary accelerator, there being

light and converting the alkane sulfenyl chlorides formed into water soluble salts, are used as mold lubricants.

Pat. 2,370,987. Preserving Rubber. Mar. 6, 1945. Method of inhibiting the deterioration of rubber at ele-

genation catalyst at 300° C. or below. Example: dibenzyl disulfide-sbenzyl mercaptan. Products are useful as dye intermediates, rubber chemicals, and insecticides.

Pat. 2,402,642. Chemical Processes. June 25, 1946. Process for hydrogenating an ester of a thioacid with

Pat. 2,425,348. Mixture of Cyclised Rubber and Resorcinol-Formaldehyde Resol. Aug. 12, 1947. An adhesive for bonding textile materials to rubbery materials comprising a blend of a heat-convertible formaldehyde-resorcinol resol and a cyclised rubber made by heating a solution of natural rubber, a rubbery chloroprene polymer, or

Pat. 2,283,337. Vulcanisation of Rubber. May 19, 1942. Vulcanisation of rubber using 2-mercaptothiazoline as a primary accelerator, and an accelerating ester of a dithiocarbamic acid as a secondary accelerator, there being from about 1.5 to about 25 parts of the primary accelerator to each part of the secondary accelerator.

Pat. 2,283,342. Vulcanisation of Rubber. May 19, 1942. The use of a substituted ammonium salt of a dithiocarbamic acid as an activator for 2-mercaptothiazoline in the vulcanisation of rubber.

Pat. 2,285,259. Preservation of Rubber. June 2, 1942. Claims the method of retarding the deterioration of vulcanised rubber, due to the catalytic effect of copper, which comprises incorporating in the rubber the compound obtained by condensing 1 mole of a primary aliphatic polyamine with at least 2 moles of an ortho hydroxy substituted aldehyde, i. e., disalicylal ethylene diamine.

Pat. 2,285,260. Preservation of Rubber. June 2, 1942. Claims the method of retarding the deterioration of vulcanised rubber, due to the catalytic effect of copper, which comprises incorporating in the rubber the compound obtained by condensing 1 mole of a primary cyclic polyamine with at least 2 moles of an ortho hydroxy substituted aldehyde, i. e. disalicylal o-phenylene diamine.

Pat. 2,290,262. Salts of Dimethylene Dithio-Carbamic Acids. July 21, 1942. Claims salts of dimethylene dithiocarbamic acids, useful as vulcanisation accelerators, in which the basic salt-forming group is a guanidine, secondary amine, tertiary amine, quaternary ammonium base and heterocyclic imine containing at least 6 atoms in the ring.

Pat. 2,295,030. Process for Gelling an Aqueous Dispersion of Neoprene. Sept. 8, 1942. Process of causing an aqueous dispersion of neoprene, wherein the dispersion agent is a water-soluble abietate or hydroabietate and wherein the dispersion is stabilised with ammonia, a methanol amine, ethanol amine or propanol amine, to gel by bringing boric acid or its ester into contact with the dispersion.

Pat. 2,303,593. Vulcanisation of Rubber. Dec. 1, 1942. Method of vulcanising rubber by incorporating into a rubber mix, prior to vulcanisation, a small amount of a salt of a dimethyl dithiocarbamic acid which salt is devoid of acidic substituents, e. g. zinc dimethylene dithiocarbamate.

Pat. 2,306,669. Vulcanisation of Rubber. Dec. 29, 1942. Rubber, having incorporated therein, prior to vulcanisation, a small proportion of 2-mercapto-thiazoline, and a small proportion of at least one aliphatic monocarboxylic acid which, except for the oxygen of the COOH group, consists of carbon and hydrogen.

Pat. 2,319,057. Preparation of Long Chain Organic Isocyanates. May 11, 1943. Claims decamethylene diisocyanate, having a boiling point of 154–157° C. at 4.5 mm., useful as a waterproofing agent.

Pat. 2,326,555. Vulcanization of Rubber. Aug. 10, 1943. Use of a combination of a long chain aliphatic acid together with an aromatic acid as an activator for 2-mercaptothiazoline accelerators in the vulcanization of rubber.

Pat. 2,338,403. Process for Making Plastic Polymeric Materials Which Comprises Polymerising Butadiene in the Presence of Selenium or Tellurium and Product so Made. Nov. 2, 1943. Butadiene or methylbutadiene alone or mixed with styrene, acrylonitrile, methyl methacrylate and the like is polymerised in the presence of selenium and tellurium as plasticising agents.

Pat. 2,356,814. Treatment of Molds and Compositions Therefor. Aug. 29, 1944. A mixture of alkali metal salts of alkane and chloralkane sulfonic acids, obtainable by reacting a hydrocarbon of at least 12 C atoms with SO_2 and Cl_2 while irradiating the reaction zone with actinic light and converting the alkane sulfenyl chlorides formed into water soluble salts, are used as mold lubricants.

Pat. 2,370,987. Preserving Rubber. Mar. 6, 1945. Method of inhibiting the deterioration of rubber at elevated temperatures in the presence of oxygen by incorporating therein 25 to 1% of N,N'-diphenylbenzidine or its C-substituted alkyl, aralkyl, aryl, halogen, alkoxy, or aralkoxy derivatives, and 75 to 99% of a different secondary aromatic amine devoid of —COOH, —SO_3H, or —NO_2 groups, e. g., N-(p-tolyl)-B-naphthylamine.

Pat. 2,374,340. Preparation of Hexamethylene Diisocyanate. Apr. 24, 1945. Preparation of hexamethylene diisocyanate by heating hexamethylenediamine dihydrochloride and phosgene to at least 165° C. in a hydrocarbon of 10 or 11 C atoms of which at least 4 are aliphatic and six are cyclic.

Pat. 2,378,169. Esters. June 12, 1945. Esters of a monohydric aliphatic nitro alcohol with an aliphatic alpha,beta-ethylenically unsaturated carboxylic acid, e. g., 2-nitro-2-methylpropyl methacrylate, their polymers, and their interpolymers with compounds having at least one vinyl group.

Pat. 2,379,297. Esters of Alpha-Cyanoalcohols. June 26, 1945. Rubber-like, oil resistant polymerisates of a conjugated butadiene and an alpha,beta-ethylenically unsaturated aliphatic carboxylic acid ester of an alpha-cyanoalcohol. Example: 2-chloro-1,3-butadiene + cyanomethyl methacrylate.

Pat. 2,380,356. Interpolymers of Vinylidene Halides and 1,3-Dienes and Process of Producing the Same. July 10, 1945. Rubber-like vinylidene halide-diene polymers, resistant to the swelling action of solvents, are made by emulsion polymerization of vinylidene chloride, bromide, or chlorobromide with 1,3-butadiene, isoprene, or 2,3-dimethyl-1,3-butadiene in the presence of an alkali metal hydroxide.

Pat. 2,383,547. Absorption and Recovery of Acetylene by a Cryogenic Method. Aug. 28, 1945. Acetylene is purified by dissolving impure acetylene in dioxane, and freezing the dioxane to liberate acetylene.

Pat. 2,387,481. Butadiene-Styrene Elastomers. Oct. 23, 1945. The processability of butadiene-styrene interpolymers containing 5 to 60% styrene is improved by incorporating .5 to 5.0% by weight of o-sulfobensoic anhydride.

Pat. 2,388,562. Preserving Rubber. Nov. 6, 1945. The deterioration of rubber at elevated temperatures is inhibited by incorporating a mixture containing 25 to 2.5% of an amine, A—CH_2—R, A = secondary amino group and R = aromatic group having 1 or 2 oxy or amino groups on the aromatic ring attached to the CH_2 group, e. g., 4-hydroxy-3-(N-piperidinomethyl)-diphenylamine, and 75 to 97.5% of a different secondary diaryl amine, e. g., N-phenyl-β-naphthylamine, the mixture being free from amines having COOH, SO_3H, and NO_2 groups.

Pat. 2,390,446. Vulcanizates of Furylethylene Polymers. Dec. 4, 1945. Sulfur vulcanised polyfurylethylene.

Pat. 2,394,952. Betadiene-Styrene Elastomers. Feb. 12, 1946. Method for improving the processing characteristics of butadiene interpolymers containing 5 to 60% styrene by incorporating in the interpolymer 0.5 to 5.0%, based on the weight of the interpolymer, of a polyvalent metal salt of a terpene mercaptan.

Pat. 2,397,372. Vulcanisable Composition. Mar. 26, 1946. A vulcanisable composition comprising Hevea rubber or a vulcanisable polymeric conjugated diene elastomer, e. g., neoprene, and 15–45% by weight of a monomeric ester of beta furylacrylic acid to improve the oil resistance of the elastomer, and the vulcanisate obtained therefrom.

Pat. 2,402,614. Catalytic Process. June 25, 1946. Preparation of thiols by reacting an acyclic or alicyclic sulfide with H_2 in the presence of a base metal sulfide hydrogenation catalyst at 300° C. or below. Example: dibenzyl disulfide→benzyl mercaptan. Products are useful as dye intermediates, rubber chemicals, and insecticides.

Pat. 2,402,642. Chemical Processes. June 25, 1946. Process for hydrogenating an ester of a thioacid with hydrogen in the presence of a sulfactive hydrogenation catalyst to obtain a product comprising thiols. Example: 2-mercaptothiazole→β-aminoethanethiol.

Pat. 2,402,643. Chemical Processes. June 25, 1946. Preparation of thiols by catalytically hydrogenating a sulfurised ethylenic compound in the presence of a sulfactive hydrogenation catalyst. Example: sulfurised ethylene→ethanedithiol.

Pat. 2,402,644. Chemical Processes. June 25, 1946. Preparation of mercapto carboxylic compounds by catalytically hydrogenating a sulfurized ethylenic carboxylic compound at 100° to 200° C. at at least 10 atmospheres pressure in the presence of a sulfactive hydrogenation catalyst.

Pat. 2,402,665. Chemical Process. June 25, 1946. Preparation of hydroxythiols by reacting an aliphatic hydroxymultisulfide with H_2 in the presence of a sulfactive hydrogenation catalyst. Example: bis-1-sorbityl disulfide→1-thiosorbitol.

Pat. 2,405,693. Acetylene Solutions. Aug. 13, 1946. Separation of acetylene from its by-product gases by absorbing in an N-substituted morpholine solvent, freezing the solution and recovering the acetylene in the gaseous form.

Pat. 2,416,434. Sulfur-Containing Polymers and Their Preparation. Feb. 25, 1947. Compounds of the formula: R—S—CH_2—X, R = rubber-like diolefine polymer, X = OR_1, SR_1 or —NR_1—CO—R_2, R_1 = lower alkyl, R_2 = H or lower alkyl, and their preparation by reacting a thioacylate of a diolefine polymer, formaldehyde, and an active hydrogen-containing organic compound in the presence of an acidic catalyst.

Pat. 2,416,667. Treatment of Rubbery Diene Hydrocarbon Polymers Prior to the Incorporation of Compounding Ingredients. Mar. 4, 1947. Milling characteristics of an unvulcanised acyclic conjugated diene hydrocarbon polymer by masticating with a small amount of a polyvalent heavy metal salt of an N-halogen amide, the halogen being Cl, Br, or I, e. g., zinc salt of N-chloro-5,5-dialkylhydantoin.

Pat. 2,416,668. Process of Improving Compound Characteristics of Butadiene-1,3-Copolymers by Means of N-Halogen Amides. Mar. 4, 1947. Milling characteristics of a butadiene polymer are improved by masticating with 0.25–5% of an N-halogen amide, the halogen being Cl, Br, or I, e. g., N-chloro-hydantoin.

Pat. 2,419,943. Preparation of Sulphur-Containing Polymers. May 6, 1947. A reaction product of an ethylenically polyunsaturated macromolecular polymer having an iodine number of at least 25 with a monocarbothiolic acid, e. g., CH_3COSH, the product containing 1 to 4 acylthio groups per 4 ethylenic linkages in the polymer.

Pat. 2,420,194. Reaction Product of a Polyethylenically Unsaturated Polymer and a Carbothiolic Acid. May 6, 1947. Process comprising reacting a polymeric organic compound having a plurality of ethylenic linkages and an iodine number of at least 25 in an inert solvent with at least 10% by weight of the polymer of a carbothiolic acid, e. g., thiolbensoic or thiolbutyric acid.

Pat. 2,422,932. Improved Synthetic Rubbers. June 24, 1947. The milling characteristics of 1,3-butadiene-styrene polymers are improved by adding sorbic acid.

Pat. 2,424,182. Synthetic Rubberlike Butadiene-Acrylonitrile-Aliphatic Vinylethinyl Carbinol Material. July 15, 1947. A rubbery copolymer having high oil- and freeze-resistance and good processing characteristics obtained by copolymerizing butadiene, acrylonitrile and an aliphatic vinylethinyl carbinol.

Pat. 2,425,348. Mixture of Cyclised Rubber and Resorcinol-Formaldehyde Resol. Aug. 12, 1947. An adhesive for bonding textile materials to rubbery materials comprising a blend of a heat-convertible formaldehyde-resorcinol resol and a cyclised rubber made by heating a solution of natural rubber, a rubbery chloroprene polymer, or a rubbery 1,3-butadiene polymer with H_2SO_4 and phenol.

Pat. 2,427,063. Butadiene-Styrene Copolymer Plasticized With a Metallic Dryer and a Ketone or Aldehyde. Sept. 9, 1947. A millable elastomeric emulsion copolymer of butadiene and styrene isolated from aqueous soap emulsion by brine-acid coagulation having incorporated therein an oil-soluble metal drier carried in a hydrocarbon solvent and an aldehyde or ketone boiling at 70° C. or above which contains only C, H and oxo oxygen atoms.

Patents Relating to Fine Chemicals

Pat. 1,981,257. Compound of the Abietene Family. Oct. 17, 193.. Process of producing water-soluble compounds by condensing a sulfonic acid body of hydrocarbons of the group consisting of abietene, abietine, and abietane with a member of the group consisting of aldehydes and compounds which react like aldehydes.

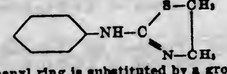
Pat. 1,996,116. Process for Producing Ionones. Apr. 2, 1935. Preparation of ionones by isomerising pseudo-ionones at elevated temperatures with an aqueous solution of ZnI_2, $ZnBr_2$ or $ZnCl_2$.

Pat. 2,001,275. Ether of Hydroabietyl Alcohol. May 14, 1935. A compound of the formula: Ab—CH_2—O—R, Ab = the hydrocarbon nucleus of a hydroabietic acid and R = alkyl, aralkyl or cycloalkyl, and wherein either nucleus may carry sulfonic acid groups.

Pat. 2,005,538. Alkoxy-Phenyl-Imidasoles. June 18, 1935. Process for producing an alkoxy-phenyl imidasole by reacting an alkoxy-phenyl-isothiocyanate with amine acetal, ring closing the resulting thiourea by the aid of acid, and oxidising the resulting alkoxy-phenyl-imidasole-mercaptan.

Pat. 2,015,239. New Compositions of Matter. Sept. 24, 1935. A composition of matter comprising a perfume and, as a fixative therefor, an ester of a hexahydrophthalic acid.

Pat. 2,027,030. Thiasoline Compound. Jan. 7, 1936. Preparation of compounds of the formula:



where the phenyl ring is substituted by a group which does not neutralise the basicity nor deprive it of a capacity to form a salt with HCl, by reacting the corresponding isothiocyanate with a beta-halogen-ethyl-amine.

Pat. 2,035,494. Perfume-Emitting Materials. Mar. 31, 1936. Production of perfume-emitting materials by forming the bisulfite compound of an aldehyde or ketone perfume, and adding to an alkaline detergent capable of liberating the original perfume upon addition of water.

Pat. 2,046,011. Catalytic Hydrogenation of Aromatic Aldehydes. June 30, 1936. Catalytic hydrogenation of aromatic aldehydes to alcohols in the presence of ferrous metal catalysts.

Pat. 2,047,656. Manufacture of 4-Acetyl-5-Tertiary-Butyl-1, 3-Xylene. July 14, 1936. Production of 4-acetyl-5-tertiary-butyl-1,3-xylene by acetylation of tertiary-butyl-meta-xylene, whereby the acetylating agent is first mixed with the xylene, and then a metal halide condensing agent is added.

Pat. 2,080,497. Process for the Manufacture of Perfume Bases. May 18, 1937. Manufacture of an ionone by reacting a pseudo-ionone with formic acid of a strength between 55–80%.

Pat. 2,080,498. Manufacture of Perfume Bases. May 18, 1937. Separation into its isomers a mixture of a-meth-

yl-ionone "b" and a-methyl-ionone "a" by fractionally separating from a solution in aqueous formic acid of 60–80% strength.

Pat. 2,088,080. Manufacture of Terpineol From Terpin

Pat. 1,893,264. Cellulose Derivative Composition. Jan. 3, 1933. A composition comprising a cellulose derivative and, as a plasticizer therefor, a compound from the group consisting of the alkyl ethers of ortho- and para-cyclohexyl-phenol.

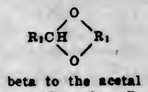
melts above 100° C. e. g. quinone, camphor, benzoic acid, and which is volatile with steam, from a crude mass of which the compound is the major organic constituent, which comprises steam distilling the compound and condensing the vapors in the presence of an added organic

Pat. 2,007,199. Aniline Hydrohalide Preparation. July 9, 1935. Preparation of aniline hydrohalides by reacting aniline vapor and a hydrogen halide by bringing them into contact at temperatures greater than 250° C. but lower than 550° C.

yl-ionone "b" and α-methyl-ionone "a" by fractionally separating from a solution in aqueous formic acid of 60–90% strength.

Pat. 2,088,030. Manufacture of Terpineol From Terpin Hydrate. July 27, 1937. Process for producing terpineol which comprises heating together terpin hydrate and dilute aqueous acid in the presence of an organic liquid which is a solvent for terpineol but immiscible with water.

Pat. 2,110,499. Depolymerization of Linear Polyacetals. Mar. 8, 1938. Preparation of cyclic acetals of the formula:



wherein each atom beta to the acetal carbon is carbon, R_2=H, or monovalent hydrocarbon, R_1=divalent organic radical having a chain of 5–18 C atoms between the acetal oxygens, by polymerizing the corresponding linear polyacetal.

Pat. 2,136,044. 2,3,6-Triamino-Pyridine and Process of Making It. Nov. 8, 1938. 2,3,6-Triamino pyridine is prepared by reducing 3-nitroso-2:6-diamino pyridine. The product, 2,3,6-triamino pyridine, is claimed and also the oxidation product, a blue dye, which is converted into a greenish yellow dye having a brilliant blue fluorescence by boiling in water. The product is useful as a dye intermediate and a pharmaceutical.

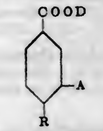
Pat. 2,234,554. Process of Recovering Vitamins. Mar. 11, 1941. The process which comprises dissolving a provitamin D containing material in an organic solvent, adding a sugar amine thereto, exposing the solution to ultra violet light and recovering a vitamin D concentrate therefrom.

Pat. 2,382,313. Hydroxy Acid Derivatives of Camphene. Aug. 14, 1945. Ester-ethers of hydroxy acids are prepared by reacting camphene with malic, glycolic, lactic, di-mandelic, or tartaric acid in the presence of H_2SO_4 or a sulfonic acid. Example: camphene + malic acid→di-isobornyl ester of isobornyloxy-succinic acid.

Pat. 2,385,852. Hormone Derivatives. Oct. 2, 1945. Diesters and dialkyl ethers of 3,4-di-(p-hydroxyphenyl)-3,4-dibromohexane and their preparation by bromination with the assistance of a peroxide and actinic irradiation, of the esters and ethers of 3,4-di-(p-hydroxyphenyl)-hexane.

Pat. 2,385,853. Processes for Producing Hormones. Oct. 2, 1945. Preparation of 3,4-di-(p-hydroxyphenyl)-hexadiene-2,4, useful as a synthetic hormone, by heating a diester of 3,4-di-(p-hydroxyphenyl)-3,4-dibromohexane with KI in alcohol and saponifying the resulting product.

Pat. 2,419,093. Catalytic Hydrogenation of Cuminic Acid Compounds. Apr. 15, 1947. Catalytic hydrogenation of a compound of the formula:



A=OH, NO_2, or NH_2, R=isopropyl, D=H, alkyl, or —CO—C_6H_4AR, in the presence of a chromite of Cu, Ni, Co, or Fe. Example: 3-hydroxycuminic acid→menthol + thymol.

Patents Relating to Miscellaneous Organic Compounds

Pat. 1,893,283. Cellulose Derivative Composition. Jan. 3, 1933. A composition comprising a cellulose derivative and, as a plasticiser therefor, a compound from the group consisting of the ortho- and para-alkoxy derivatives of diphenyl.

Pat. 1,893,284. Cellulose Derivative Composition. Jan. 3, 1933. A composition comprising a cellulose derivative and, as a plasticizer therefor, a compound from the group consisting of the alkyl ethers of ortho- and para-cyclohexyl-phenol.

Pat. 1,908,361. Process of Producing Butyl Alcohol. May 9, 1933. The process that comprises adding to a water-soluble, non-amylaceous carbohydrate mash, a culture of a micro-organism capable of producing, unaided, from the carbohydrate in the mash, butyl alcohol and acetone.

Pat. 1,913,367. Preservation of Oils, Fats, Fatty Oils, Fatty Esters, Fatty Acids, Fatty Acid Salts, and Related Compounds. June 13, 1933. A composition of matter including a substance of the group fats, fatty oils, fatty esters, fatty acids, and fatty acid salts together with a compound adapted to inhibit rancidification, the compound having a plurality of aryl groups joined to a nucleus and in which at least one of the aryl groups has a substitution radical attached thereto.

Pat. 1,913,368. Preservation of Oil, Fats, Fatty Oils, Fatty Esters, Fatty Acids, Fatty Acid Salts, and Related Compounds. June 13, 1933. Incorporation of diarylalkanes, diaryl ethers or diaryl amines into animal and vegetable fats to prevent deterioration thereof.

Pat. 1,915,054. Seed Disinfectant. June 20, 1933. A disinfecting agent for controlling seed and plant diseases, comprising a diluent having deposited thereon a water-insoluble inorganic iodide free mercury compound.

Pat. 1,919,729. Seed and Plant Disinfectant. July 25, 1933. A composition of matter for the control of seed and plant diseases comprising a substantial quantity of a substantially inert solid material and a lesser quantity of the double salt of an aromatic diazonium compound and a mercuric salt.

Pat. 1,919,732. Seed Disinfectant Composition. July 25, 1933. A seed disinfectant comprising a coordination compound of an organic monoamine with a mercuric salt.

Pat. 1,919,936. Disinfectant Composition. July 25, 1933. A disinfectant in dust form for the control of seed and plant diseases, comprising a mercury compound of the type R—Hg—I, in which R=a hydrocarbon radical.

Pat. 1,920,311. Germicide, Fungicide, Etc., and Method of Using the Same. Aug. 1, 1933. The method of treating small grains which consists in intermixing with the grains a dry mixture comprising a mercurised substituted aniline compound having a mercury atom attached to a carbon of a substituted benzene ring and an inert filler.

Pat. 1,927,842. Non-Corrosive Alcohol. Sept. 26, 1933. Process for preventing the corrosion of metal when in contact with full strength commercial alcohol by incorporating in the alcohol a member of the group consisting of sodium carbonates, sodium acetate, sodium borate, sodium lactate, and the corresponding potassium salts.

Pat. 1,933,166. Heat Transfer Medium. Oct. 31, 1933. Process of transferring heat by condensing a gaseous substance containing a compound of sulfur, oxygen and fluorine, e. g. sulfuryl fluoride, and evaporating the condensate.

Pat. 1,934,803. Seed Disinfectant. Nov. 14, 1933. A composition of matter for the control of seed and plant diseases the active constituent of which comprises a halogenated mercurised derivative of thiophene.

Pat. 1,939,591. Purification of Phenolic Bodies. Dec. 12, 1933. Catalyser poisons are removed from phenols by agitating with H_2SO_4.

Pat. 1,954,517. Contact Insecticide. Apr. 10, 1934. Method of killing insects by contacting the insects with a liquid containing a small amount of B,B-dichlordiethyl ether.

Pat. 1,957,484. Purification of Organic Bodies. May 8, 1934. Process of recovering an aromatic compound which

by heating an o-phthalyl halide with phthalide in the presence of a polyvalent metal chloride at 130°–150° C.

Pat. 2,053,430. Hydrogenation of Aroyl Aromatic Acids and Their Derivatives. Sept. 8, 1936. Catalytic hydro-

Pat. 2,067,096. Antifreeze Solutions. July 13, 1937. A liquid suitable for use in heat exchange devices comprising a volatile water-soluble aliphatic alcohol having incorporated therein an evaporation retarder which comprises

melts above 100° C. e. g. quinone, camphor, benzoic acid, and which is volatile with steam, from a crude mass of which the compound is the major organic constituent, which comprises steam distilling the compound and condensing the vapors in the presence of an added organic compound which is a solvent for the compound being purified but immiscible with water.

Pat. 1,962,175. Process for Making Benzoic Acid From Phthalic Acid. June 12, 1934. Formation of benzoic acid by the interaction of phthalic anhydride and water in the vapor phase at 175°–350° C., in the presence of a phthalate of an alkali metal, alkaline earth metal, or nickel.

Pat. 1,979,154. Production of N-Benzyl-Para-Aminophenol. Oct. 30, 1934. Purification of N-benzyl-p-aminophenol by sulfating to remove it from any p-aminophenol present which causes discoloration.

Pat. 1,985,597. Fungicide. Dec. 25, 1934. Method of preserving materials normally subject to attack by fungi by treating the materials with a member of the group consisting of kerosene, benzene, o-di-chlorbenzene, and a naphtha containing a nitronaphthalene.

Pat. 1,987,321. Preservation of Oils, Fats, Fatty Oils, Fatty Esters, Fatty Acids, Fatty Acid Salts, and Related Compounds. Jan. 8, 1935. Incorporation of diarylalkanes, diaryl ethers or diaryl amines into animal and vegetable fats to prevent deterioration thereof.

Pat. 1,993,771. Preserving Agents for Animal and Vegetable Fats, Fatty Oils, and Soap. Mar. 12, 1935. A composition of matter comprising a member of the group consisting of fats, fatty oils, fatty esters, fatty acid salts, soap stock and soap, and di-p:p'-hydroxy-diphenyl as an oxidation inhibitor.

Pat. 1,993,773. Non-Corrosive Liquid. Mar. 12, 1935. A corrosion inhibitor for cooling systems employing water in the absence of substantial amount of electrolytes which comprises a soluble oil having incorporated therein a small amount of mercapto-benzothiazole and a small amount of a primary aromatic amine, in which the aromatic group consists of C and H.

Pat. 1,998,489. Benzyl Esters of Halogenated Ortho-Benzoyl-Benzoic Acids and Process for Preparing the Same. Apr. 23, 1935. Preparation of the benzyl ester of an orthobenzoyl-benzoic acid compound by heating an orthobenzoyl-benzoic acid or its neutral substitution derivatives in an excess of benzyl alcohol until the water of formation has distilled off, removing the excess benzyl alcohol, and recovering the ester.

Pat. 2,000,061. Manufacture of Diaryl Sulphones. May 7, 1935. A volatile aryl compound having at least one carbon-hydrogen group in the aromatic ring, e. g., phenetole, is reacted in vapor phase with sulfur trioxide, and the diaryl sulphone formed recovered from the reaction mass.

Pat. 2,002,627. Oxidation Process. May 28, 1935. An oxidation process which comprises treating the compounds to be oxidised with a suspension of wet ground manganese dioxide containing material.

Pat. 2,005,815. Manufacture of Meta-Cresol-Methyl-Ether. June 25, 1935. Preparation of the methyl ether of m-cresol comprising adding .5–1 mol of dimethyl sulfate to an aqueous solution of an alkali metal m-cresolate, heating until equilibrium is reached and then adding caustic alkali to maintain pH 11.5–12.5.

Pat. 2,006,710. Acid Inhibitor. July 2, 1935. A composition of matter useful as an acid inhibitor comprising a product obtainable by the chemical combination of an aliphatic aldehyde and CS_2 with a mixture of polyamines and monoamines.

Pat. 2,007,189. Preparation of Amine Hydrohalides. July 9, 1935. The process which comprises contacting an atomised amine and a hydrogen halide gas at a temperature not exceeding 471° C.

Pat. 2,007,190. Aniline Hydrohalide Preparation. July 9, 1935. Preparation of aniline hydrohalides by reacting aniline vapor and a hydrogen halide by bringing them into contact at temperatures greater than 250° C. but lower than 550° C.

Pat. 2,007,243. Noncorrosive Aqueous Liquid. July 9, 1935. A fluid medium suitable for use in heat-exchange devices and the like comprising water and a small percent of a corrosion inhibitor comprising 50–90% of refined paraffin oil and 50–10% of an emulsifying agent from the group consisting of soap and oleic acid, sulfonated castor oil and oleic acid, and sulfonated alkylated polynuclear aromatic hydrocarbons.

Pat. 2,009,767. Manufacture of Substituted Aminophenols. July 30, 1935. A Schiff's base of an aromatic amino compound of the benzene or naphthalene series is reduced with Zn and caustic alkali below 10° C.

Pat. 2,012,609. Flotation Process. Aug. 27, 1935. Froth flotation of ores by agitating and aerating an aqueous suspension of finely divided minerals in the presence of both a flotation agent, comprising a salt of a sulfuric acid ester of a normal primary alcohol having 8–18 C atoms and a free normal primary alcohol having 6–18 C atoms.

Pat. 2,016,085. Acid Inhibiting Agent. Oct. 1, 1935. The product obtainable by simultaneously reacting a sulfonated primary or secondary aromatic amine and a primary or secondary aliphatic or aromatic amine with an aldehyde in proportions corresponding to 1.5–6.0 moles of sulfonated amine to each mole of amine, and pickling acid solution containing the product.

Pat. 2,016,112. Process for Producing Butyl Alcohol and Acetone. Oct. 1, 1935. Production of butyl alcohol and acetone by fermentation of a sterile aqueous solution of water-soluble non-amylaceous carbohydrates.

Pat. 2,025,032. Dehalogenation of Organic Halides. Dec. 24, 1935. Hydrogenation of a halogenated hydrocarbon in the vapor phase with a molar excess of H_2 in the presence of a catalyst, the active constituent of which comprises essentially a sulfide of a metal taken from Group VI, sub-group A, of the periodic table at 200°–600° C.

Pat. 2,033,949. Organic Fluorine Compounds. Mar. 17, 1936. 1-Amino-5-fluorobenzothiazoles, useful as dye intermediates.

Pat. 2,036,353. Process for the Production of Esters. Apr. 7, 1936. The process which comprises reacting an amide with an organic compound containing a hydroxyl group attached to a carbon which, in turn, is linked by all of its valences to carbon or hydrogen in the presence of boron fluoride.

Pat. 2,037,876. Process of Preparing Hydroaromatic Alcohols. Apr. 21, 1936. Catalytic hydrogenation of lactones of hydroxymethyl hydroaromatic carboxylic acids to cyclic alcohols and their derivatives.

Pat. 2,040,849. Monocarboxylic Acid Esters and Their Production. May 19, 1936. Preparation of monocarboxylic acid esters by the substantially solely carboxylic reduction of a natural acidic resin.

Pat. 2,047,946. Process for the Chlorination of Phthalide and Further Treatment of the Chlorination Product. July 21, 1936. Preparation of aromatic aldehydic acids by reacting an aromatic lactone of the formula:

where R=ortho or peri residues of aromatic nuclei, with chlorine, and hydrolyzing.

Pat. 2,053,269. Phthalide Halide and Process of Making It. Sept. 8, 1936. Preparation of a phthalide halide

Pat. 2,130,480. Process of Hydrogenating 5-Nitro-phthalide. Sept. 20, 1938. Preparation of 5-amino-phthalide by catalytically hydrogenating 5-nitro-phthalide with a catalyst consisting of nickel on kieselguhr.

Pat. 2,150,595. Process of Preparing Alpha Aryl

Pat. 2,238,826. Monoacyl Ethenones and a Process of Making Them. Apr. 15, 1941. An intermolecular dehydrohalogenation is brought about between two different primary monoacyl halides in the presence of tertiary saturated acyclic mono amines to produce unsymmetrical ethenones.

by heating an o-phthalyl halide with phthalide in the presence of a polyvalent metal chloride at 130°–150° C.

Pat. 2,053,430. Hydrogenation of Aroyl Aromatic Acids and Their Derivatives. Sept. 8, 1936. Catalytic hydrogenation of ketonic structures of aroyl aromatic carboxylic acids in the presence of base metal hydrogenating catalyst at 30°–300° C.

Pat. 2,054,282. Non-Corrosive Aqueous Solutions. Sept. 15, 1936. A non-corrosive liquid suitable for use in heat exchange devices containing iron and copper-bearing metals which comprises water having incorporated therein at least 0.03% of a nitrite of a metal above aluminum in the electromotive series and a small amount of a member of the group consisting of mercapto arylene thiazoles, hydrocarbon mercaptans and the corresponding disulfides.

Pat. 2,064,728. Colloidal Sulphur. Dec. 15, 1936. Process of producing colloidal sulfur by emulsifying molten law viscosity sulfur at 120°–130° C. in a liquid dispersion medium comprising water and a water soluble polyhydric aliphatic alcohol containing at least 3 C atoms and 3 hydroxyl groups.

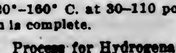
Pat. 2,070,770. Hydrogenation of Alkyl Phthalates. Feb. 16, 1937. Process of selectively hydrogenating the ring of an aromatic ester by reacting a dialkyl ester of a phthalic acid and hydrogen in the presence of a hydrogenating metal catalyst at 160°–260° C. and 750–5000 pounds per square inch.

Pat. 2,072,861. Processes for the Catalytic Hydrogenation of Dicarboxylic Anhydride. Mar. 9, 1937. Preparation of a lactone of a hydroxy acid by heating an intramolecular anhydride of a dicarboxylic acid while intimately admixed with hydrogen in the presence of a catalyst from the group of hydrogenating metals and metal oxides intimately associated with an acidic oxide of Cr, V, Mo, W, Ti, U.

Pat. 2,074,699. Flotation Process. Mar. 23, 1937. Froth flotation of ores by frothing a suspension of ore in the presence of a flotation agent having the formula: R—X—Y, where R=hydrocarbon group of at least 8 C atoms, X=sulfonic acid or sulfuric acid group, and Y=residue of an organic amine.

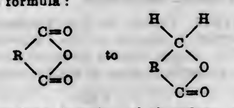
Pat. 2,075,971. Manufacture of Phenyl Mercury Acetate and Phenyl Mercury Hydroxide. Apr. 6, 1937. Method which comprises mixing 1 mol of mercuric oxide with at least 1 mol of acetic acid and at least 3 mols of benzene, and heating to 120°–160° C. at 30–110 pounds per square inch until reaction is complete.

Pat. 2,078,230. Process for Hydrogenating Substituted Aromatic Alcohols. Apr. 27, 1937. Preparation of substituted aromatic hydrocarbons of the formula: X—Ar—CH_2—R from alcohols of the type



where R=H, aryl; Ar=aromatic hydrocarbon radical, and X=carboxyl or salt, ester or amide.

Pat. 2,079,325. Process for the Preparation of Lactones. May 4, 1937. Catalytic hydrogenation of an anhydride of the formula:



where R=phenylene, homolog of phenylene, naphthalene, hexahydrophenylene, 1,1,5-trimethyl cyclopentylene (2,5), or $(CH_2)_x$ where x=2–4, in the presence of a lower monohydric aliphatic alcohol esterified with a lower fatty acid.

Pat. 2,080,299. Inhibiting Corrosion of Metals. May 11, 1937. Method of inhibiting corrosion of a metal surface by treating with a rust-proofing composition comprising a non-hardening oil and an organic ester of a phosphorus acid.

Pat. 2,087,096. Antifreeze Solutions. July 13, 1937. A liquid suitable for use in heat exchange devices comprising a volatile water-soluble aliphatic alcohol having incorporated therein an evaporation retarder which comprises at least one higher alkanol boiling at 150°–300° C. and having a specific gravity below 0.96.

Pat. 2,088,633. Process for Preparing Hydroaromatic Lactones. Aug. 3, 1937. Preparation of hydroaromatic lactones by bringing a lactone of a hydroxymethyl aromatic carboxylic acid into contact with hydrogen in the presence of a base metal hydrogenation catalyst at 100°–225° C. above 10 atmospheres pressure.

Pat. 2,093,990. Improvement in the Manufacture of Polynaphthyl Alkylene Ethers. Sept. 28, 1937. Naphthyl alkylene ethers, e. g., ethylene glycol di-β-naphthyl ether, are prepared by stepwise addition of alkylene halides and caustic soda to sodium naphthalates.

Pat. 2,097,435. Thiophthalide and Process of Making the Same. Nov. 2, 1937. Process which comprises reacting a water soluble hydrosulfide under anhydrous conditions at 100°–250° C. with a gamma to epsilon lactone.

Pat. 2,099,120. Flotation Process. Nov. 16, 1937. In a froth flotation process, the step which comprises utilizing as a flotation agent a water soluble salt of an organic dicarboxylic acid having one carboxyl group esterified by an alcohol selected from the group consisting of long chain primary aliphatic alcohols having from 8–18 C atoms and alicyclic alcohols formed in the carboxylic reduction of a naphthenic acid or a natural resin acid.

Pat. 2,099,357. Halide Esters of Polyunsaturated Alcohols and Process of Preparing Same. Nov. 16, 1937. Preparation of a polyunsaturated halide by reacting a polyunsaturated alcohol mixture, obtainable by sodium reduction from a drying oil, with a phosphorous trihalide.

Pat. 2,100,228. Process for the Dealkylation of Alkyl-Aryl Ethers. Nov. 23, 1937. Dealkylation of arylalkyl ethers by heating an aryl alkyl ether in the presence of an aliphatic amine hydrohalide.

Pat. 2,109,941. Preparation of Amides. Mar. 1, 1938. Preparation of acid amides by reacting carboxylic acids with urea or substituted urea at a temperature of at least 130° C. Examples: acetic acid + urea→acetamide, stearic acid and monophenyl urea→stearic acid amide + stearic acide anilide.

Pat. 2,111,552. Process for the Preparation of Dispersible Sulphur. Mar. 22, 1938. Process of agitating a mixture of molten sulfur and a solid water-soluble organic non-electrolyte at a temperature above the melting point of sulfur and below that at which appreciable reaction between the organic substance and sulfur occurs.

Pat. 2,112,362. Flotation Process. Mar. 29, 1938. Froth flotation of coal by agitating and aerating an aqueous suspension of coal in the presence of a mineral oil which has been emulsified with a compound of the formula: R—X—Y, where R=residue of a normal primary alcohol of 6–18 C atoms, X=sulfuric acid or sulfonic acid group, and Y=salt-forming compound.

Pat. 2,114,696. Process of Producing Phthalide. Apr. 19, 1938. Preparation of phthalide by reacting hydrogen and phthalic anhydride in the presence of a lower monohydric aliphatic alcohol at 100°–200° C.

Pat. 2,116,727. Flotation Process. May 10, 1938. Oil froth flotation of mineral ores by floating a desired component of the ore in an aqueous medium containing oil and a water-soluble sulfate ester salt of a normal straight-chain primary alcohol having at least 8 C atoms.

Pat. 2,127,377. Preparation of Polynuclear Hydroaromatic Amines. Aug. 16, 1938. Preparation of decahydro-beta-naphthylamine by hydrogenating in the liquid phase beta-naphthylamine and then subjecting the product to a superatmospheric pressure at 250°–300° C.

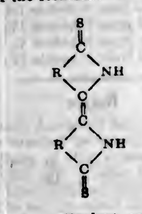
Pat. 2,130,480. Process of Hydrogenating 5-Nitrophthalide. Sept. 20, 1938. Preparation of 5-aminophthalide by catalytically hydrogenating 5-nitro-phthalide with a catalyst consisting of nickel on kieselguhr.

Pat. 2,150,595. Process of Preparing Alpha Aryl Phthalides. Mar. 14, 1939. Preparation of phthalidyl-naphthalenes from naphthalene and alpha-monochloro-phthalide in the presence of zinc chloride.

Pat. 2,156,800. Cyclic Amides and Their Production. May 2, 1939. Preparation of cyclic amides of at least 8 annular atoms by heating an ester of a dibasic aliphatic dicarboxylic acid with an aliphatic diamine in the presence of an aliphatic alcohol.

Pat. 2,194,446. Pest Destroying Emulsion. Mar. 19, 1940. A pest destroying aqueous emulsion consisting of a poison of the group consisting of rotenone, dihydrorotenone, pyrethrines, pyrethrum- and derris-root extracts; cyclo-hexanone; hydrogenated naphthalene; with kerosene as a solvent; a fatty alcohol sulfonate having eight to ten carbon atoms in the molecule as an emulsifying agent and water, the cyclo-hexanone and hydrogenated naphthalene being present in substantial proportions and sufficient to produce a clear and lasting solution.

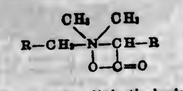
Pat. 2,198,166. Aryle-Pyrrolinethione Compounds and Process of Producing. Apr. 23, 1940. Process of preparing a compound of the formula:



where R=mononuclear divalent aromatic radical whose two valences are attached to adjacent ring carbons, by reacting an o-phthalonitrile with H_2S in the presence of a basic compound such as NH_3, and a primary or secondary amine, wherein the carbons attached to the N are aliphatic.

Pat. 2,212,150. Organic Sulphur Compounds. Aug. 20, 1940. Preparation of thiols by reacting an alpha-beta-unsaturated ketone with hydrogen sulfide.

Pat. 2,217,684. Flotation Process for Concentrating Oxides of Iron. Oct. 15, 1940. Process of concentrating non-magnetic oxides of iron from pulp mixtures containing the same and siliceous gangue by adding to the pulp a small amount of a betaine of the formula:



where one R=a long chain aliphatic hydrocarbon radical of 8–18 C atoms and the other R=H.

Pat. 2,217,685. Flotation Process for Concentrating Carbonate Minerals. Oct. 15, 1940. Process for concentrating carbonate minerals from pulp mixtures containing the same and siliceous impurities by adding to the pulp a small amount of a salt of an amino-naphthalene derived from naphthenic acids having an average carbon content of 11–19 C atoms, and subjecting the mixture to a froth flotation operation.

Pat. 2,221,485. Flotation Process. Nov. 12, 1940. Froth flotation process of concentrating carbonate minerals containing siliceous gangue, by adding to the pulp a small amount of a water soluble cation active flotation agent and a small amount of a water soluble inorganic salt of a polybasic inorganic acid.

Pat. 2,238,626. Monoacyl Ethenones and a Process of Making Them. Apr. 15, 1941. An intermolecular dehydrohalogenation is brought about between two different primary monoacyl halides in the presence of tertiary saturated acyclic mono amines to produce unsymmetrical ethenones.

Pat. 2,279,973. Stabilization of Organic Substances. Apr. 14, 1942. Claims an organic substance subject to oxidative deterioration accelerated by a catalytically active metal, having incorporated therein a small proportion, sufficient to inhibit the catalytic effect of the metal, of a hydroxamic acid.

Pat. 2,323,714. Chemical Process. July 6, 1943. Preparation of an amino propane sulfonate by reacting an N-allylamine with a water-soluble bisulfite in the presence of a catalytic amount of an oxidizing agent.

Pat. 2,336,359. Process for Making a Phenyl Mercuric Carboxylic Acid Amide. Dec. 7, 1943. Process of making a phenyl mercuric carboxylic acid amide by fusing a mixture containing phenyl mercuric hydroxide and a carboxylic acid amide that contains two hydrogen atoms directly attached to the nitrogen atom of the amido group. Example: phenyl mercuric hydroxide + benzamide→phenyl mercuric benzamide. Products are seed disinfectants.

Pat. 2,337,118. Beneficiation of Ores. Dec. 21, 1943. Froth flotation process for concentrating negatively charged minerals by incorporating in the pulp a cationic surface active agent having a long chain aliphatic hydrocarbon radical of 8–22 C atoms and a water soluble open chain aliphatic carboxylic acid salt or amide containing not more than 9 C atoms. Example: dodecyl amine hydrochloride and hydroxy acetic acid.

Pat. 2,341,046. Flotation. Feb. 8, 1944. Froth flotation of negatively charged gangue materials comprising adding a cationic surface active agent and a small amount of a water soluble substance taken from the group consisting of tannic, pectic, and alginic acids and their water-soluble salts.

Pat. 2,365,638. Sulphonation of Organic Compounds. Dec. 19, 1944. Process of making a sulfonating mixture comprising H_2SO_4, BF_3 and an organic compound of the aromatic or heterocyclic series and maintaining the reaction mixture at sulfonating temperatures until the organic compound is sulfonated.

Pat. 2,371,757. Fluoroacetic Acids. Mar. 20, 1945. Preparation of a fluoro acetic acid by reacting a compound of the formula: $CF_2XCY=CYZ$ in which each of Z, Y, and X is one of the group: H, F, and Cl: e. g., CHF_2—$CHCl_2$ with a permanganate in an aqueous alkaline medium at 25°–80° C. and isolating the fluoro acetic acid.

Pat. 2,390,835. Method of Alkylating Aromatic Compounds. Dec. 11, 1945. Process of alkylating an aromatic compound by reacting it with an aliphatic alcohol of at least 8 C atoms in the presence of boron trifluoride and phosphorus pentoxide or boric oxide.

Pat. 2,390,836. Method of Alkylating Aromatic Compounds. Dec. 11, 1945. Process of alkylating an aromatic compound by reacting it with an aliphatic alcohol of at least 3 C atoms in the presence of boron trifluoride and sulfuric acid or bensene-sulfonic acid.

Pat. 2,396,076. Preparation of Trifluoro Acetic Acid. Mar. 5, 1946. Preparation of CF_3COOH by adding oleum to CF_3CCl_3, allowing the reaction to proceed until substantially complete, decomposing the reaction mixture with water and isolating the CF_3COOH.

Pat. 2,410,358. Process for Preparing Antimony Pentafluoride. Oct. 29, 1946. Preparation of SbF_5 by reacting $SbCl_5$ with HF in aluminum apparatus.

Pat. 2,410,401. Preparation of a Thiophene. Oct. 29, 1946. Preparation of a thiophene compound by reacting a conjugated diene such as butadiene in the gaseous state with sulfur vapor at a temperature of at least 350° C. and the thermal decomposition of the diene.

Pat. 2,422,246. Carboxylic Acids Vicinally Substituted With Two Mercapto Groups. June 17, 1947. Compounds of the formula: $HSCH_2$—$CHSH$—$(CH_2)_x$—$COOH$ x=0 to 8.

Pat. 2,423,344. Process for Stabilizing Dithioglycerols.

Miscellaneous Mechanical Patents

Pat. 2,178,720. Induction Heated Pipe. Nov. 7, 1939. An insulated non-magnetic pipe heated by electrical induction. Group 36—19.

Pat. 2,178,721. Heating Pipe Fixture. Nov. 7, 1939.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 15, 1949

Pat. 2,422,246. Carboxylic Acids Vicinally Substituted With Two Mercapto Groups. June 17, 1947. Compounds of the formula: $HSCH_2$—$CHSH$—$(CH_2)_n$—$COOH$ n=0 to 8.

Pat. 2,423,344. Process for Stabilising Dithioglycerols. July 1, 1947. 1,2-Dithioglycerol containing as a thermal stabiliser ammonia, an ammonium salt, or a carbonamide, such as ammonium acetate or urea.

Pat. 2,423,470. Alkylation of an Acyclic Organic Compound With an Alkylation Agent Using Hydrogen Fluoride as Catalyst. July 8, 1947. Process of alkylating an acyclic organic compound in the presence of HF as the sole catalyst.

Pat. 2,436,137. Process for Producing Mercaptans. Feb. 17, 1948. Production of aliphatic dithiols, e. g., 2,3-di-mercaptopropanol, comprising adding CO_2 to a mixture of an aliphatic dihalide and NaHS in 40–50% excess of that equivalent to the dihalide and CO_2 at 60–100° C. until the pressure induced thereby is 50–100 p. s. i.

Patents Relating to Miscellaneous Inorganic Compounds

Pat. 1,906,440. Process for the Manufacture of Phosphorus Pentachloride. May 2, 1933. Preparation of phosphorus pentachloride in finely divided form by reacting chlorine upon phosphorus trichloride in phosphorus oxychloride solution.

Pat. 2,008,753. Manufacture of Alkali Metal Selenides and Tellurides. July 23, 1935. Preparation of alkali selenides and tellurides by heating a caustic alkali solution containing selenium, tellurium or their soluble compounds and adding a member of the group consisting of aluminum and zinc.

Pat. 2,112,567. Complex Salts of Zinc Hydrosulphite and 1,2-Aliphatic Diamines and Process for Preparing Them. Mar. 29, 1938. Process of producing complex addition salts of zinc hydrosulfite and aliphatic 1,2-diamines by interacting a solution of zinc hydrosulfite and ethylene diamine or its homolog.

Pat. 2,112,689. Manufacture of Sulphuric Acid by the Contact Process. Mar. 29, 1938. Process and apparatus for the manufacture of sulfuric acid by the contact process whereby the temperature is regulated within the converter, and the sulfur trioxide gases issuing from the converter are cooled, prior to their entry into the absorption tower, where they are absorbed in dilute sulfuric acid.

Pat. 2,123,766. Process of Preparing Aluminum Chloride. July 12, 1938. Anhydrous aluminum chloride is prepared by reacting metallic aluminum with a body of liquid chlorine, and maintaining a source of chlorine supply in constant communication with the body of chlorine.

Pat. 2,205,552. Method of Preserving the Catalytic Activity of a Metallic Nickel Hydrogenation Catalyst. June 25, 1940. The activity of a nickel catalyst is maintained during storage prior to use by maintaining the catalyst in a wet condition with a solution of a substance selected from the group consisting of lower alkyl amines and ammonia.

Pat. 2,315,988. Treatment of Sulphuric Acid for Removal of Nitrogen Oxides. Apr. 6, 1943. Process of removing nitrogen oxides from concentrated sulfuric acid by adding a ferrous salt to the sulfuric acid and then blowing with a relatively inert gas.

Pat. 2,325,066. Removal of Nitrogen Oxide From Gases. July 27, 1943. Process for removing nitrogen oxide from combustion gases which comprises forming solid $(SO_3)_2NO$ by passing the gases into contact with fuming sulfuric acid containing about from 20 to 60% free SO_3, and removing the $(SO_3)_2NO$ and most of the entrained SO_3 by passing the gas stream through a filter.

Miscellaneous Mechanical Patents

Pat. 2,178,720. Induction Heated Pipe. Nov. 7, 1939. An insulated non-magnetic pipe heated by electrical induction. Group 36—19.

Pat. 2,178,721. Heating Pipe Fixture. Nov. 7, 1939. Pipe line construction for conveying substances of high melting point with heated fixture which may be maintained at the same temperature as the pipe. Groups 36—19.

Pat. 2,251,185. Distillation Apparatus. July 29, 1941. Reflux distillation apparatus in which the ratio of reflux to ratio of take off is controlled by an energised magnet. Group 36—19.

Pat. 2,395,450. Tool. Feb. 26, 1946. A device suitable for use in making linings of plastic material for apparatus such as pipes and tanks. Group 33—52.

Pat. 2,430,273. Tool for Lining Pipe. Nov. 4, 1947. A tool for lining pipes of small diameter, e. g., with rubber. Group 33—52.

Correction

The following patents appear twice in the listings of patents offered for license by E. I. du Pont de Nemours & Company. They should be deleted as follows:

Pat. 1,961,251 delete from Schedule IV.
Pat. 2,069,983 delete from Schedule I.
Pat. 2,125,143 delete from Schedule III.
Pat. 2,125,376 delete from Schedule III.
Pat. 2,190,829 delete from Schedule IV.
Pat. 2,263,254 delete from Schedule V.
Pat. 2,418,661 delete from Schedule IV.

Notice

American Telephone and Telegraph Company has placed its patents on the Register of Patents as available for licensing. Patent numbers will be published at a later date as space and time permit. The following is a statement of policy with respect to the patents of the American Telephone and Telegraph Company and of its subsidiaries:

"It is the Bell System's policy to make available upon reasonable terms to all who desire them non-exclusive licenses under its patents for any use. In order to realise the value of the inventions it is necessary to employ different types of patent license agreements in different situations, of which the following are some illustrations:

"(a) Licenses are exchanged with other patent owners, either with or without royalties, so that each gets the particular rights he desires under the patents of the other.

"(b) Licenses are granted to manufacturers to make, use and sell apparatus to others on a royalty basis.

"(c) Licenses are granted on a royalty basis to those who desire to use specified apparatus in their own businesses (as distinct from those who sell such apparatus to others). Such licenses include the right to have the licensed apparatus made by anyone for the licensee.

"Most of the System's license agreements fall within (a) or (b) above, or a combination of the two. For example, licenses are granted to manufacturers covering telephone systems and apparatus for sale to operating telephone companies, both Bell and non-Bell.

"Where the proposed licensee has patents upon inventions which the System desires to use in the communication business, a non-exclusive license under such patents is always expected and any difference between values involved is adjusted through royalties.

"In all cases the System seeks to fix the terms of licenses to others under System patents, whether in the form of royalties or licenses to it, or both, in such a way as to be reasonably related to the value of the patented inventions covered by the license.

. . . . . .

"For the general convenience of all those desiring licenses under Bell System patents, the Western Electric Company has been designated as the agency to make agreements for rights under all Bell System patents."

The company calls attention to the fact that the foregoing statement relates to all patents of the American Telephone and Telegraph Company; Western Electric Company, Incorporated; Bell Telephone Laboratories, Incorporated; Teletype Corporation and Nassau Smelting & Refining Company, Incorporated, and that inquiries regarding licenses should be addressed to Patent Licensing Division, Western Electric Company, Incorporated, 195 Broadway, New York 7, N. Y.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 15, 1949

[VOL. 619. No. 3]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 523,783. HERSKE KIRSCH, INC., New York, N. Y. Filed June 7, 1947.

FOR FURS AND SKINS.
Claims use since July 1, 1935.

Ser. No. 524,524. CONSOLIDATED PAPER CORPORATION LIMITED, Montreal, Quebec, Canada. Filed June 20, 1947.

FOR WOOD PULP.
Claims use since 1929.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 472,499. BONNE BELL, INC., Cleveland, Ohio. Filed July 22, 1944.

PLUS 30

FOR FACE CREAMS.
Claims use since July 13, 1944.

Ser. No. 494,536. AMERICAN EXTRACT COMPANY, Port Allegany, Pa. Filed Jan. 10, 1946.

AMEREX

FOR VEGETABLE EXTRACTS USED IN THE CONVERSION OF HIDE INTO LEATHER, COMPOUNDS FOR THE FILLING OF LEATHER, DERMABATES, AND ENZYME BATES FOR THE TREATMENT AND PREPARATION OF HIDES AND SKINS IN THE PREPARATION OF LEATHER.
Claims use since May 1915.

Ser. No. 497,470. EASTMAN KODAK COMPANY, Flemington, N. J., and Rochester, N. Y. Filed Mar. 1, 1946.

PHOTO-FLO

The term "Photo" is disclaimed apart from the mark.
FOR PHOTOGRAPHIC WETTING AGENT.
Claims use since May 14, 1945.

Ser. No. 509,975. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Sept. 30, 1946.

MAIZENA

FOR CORN STARCH FOR LAUNDRY PURPOSES.
Claims use since 1858.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 517,015. H. B. SHERMAN MANUFACTURING COMPANY, Battle Creek, Mich. Filed Feb. 5, 1947.

DART

FOR HOSE NOZZLES.
Claims use since Jan. 12, 1940.

Ser. No. 521,101. WHITTET-HIGGINS COMPANY, Providence, R. I. Filed Apr. 21, 1947.

PLIES—NAMELY, CORDS, INDUCTION COILS, RECEIVER SWITCHES, CONDENSERS, RINGERS, TERMINALS, TERMINAL STRIPS, GONGS, CHIMES, BUZZERS, JACKS, PLUGS, RELAYS, SIGNAL ALARMS,

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

CLASS 39

CLOTHING

Ser. No. 510,248. CLAUDIA GLENN, Denver, Colo. Filed

Ser. No. 521,101. WHITTET-HIGGINS COMPANY, Providence, R. I. Filed Apr. 21, 1947.

The representation of the lock nut and washer are disclaimed apart from the mark.

FOR LOCK NUTS AND LOCK WASHERS, INCLUDING BALL AND ROLLER BEARING TYPES.

Claims use since Dec. 13, 1943.

CLASS 19

VEHICLES

Ser. No. 524,980. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

FOR BICYCLES.

Claims use since Jan. 21, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 491,323. INTERNATIONAL BROTHERHOOD OF ELECTRICAL WORKERS, Washington, D. C. Filed Nov. 9, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

No claim is made to the words "Electrical," "Affiliated With," "American," and "Union Made" apart from the mark.

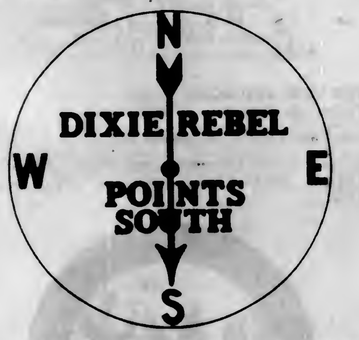
FOR ELECTRICAL EQUIPMENT AND SUPPLIES—NAMELY, CONDUITS AND FITTINGS FOR CONDUITS; SWITCHBOARDS, PANEL BOARDS AND ENCLOSED SWITCHES; TELEPHONES AND TELEPHONE SUPPLIES—NAMELY, CORDS, INDUCTION COILS, RECEIVER SWITCHES, CONDENSERS, RINGERS, TERMINALS, TERMINAL STRIPS, GONGS, CHIMES, BUZZERS, JACKS, PLUGS, RELAYS, SIGNAL ALARMS, ARRESTERS, GROUND RODS, AND GENERATORS, OUTLET BOXES; WIRE AND CABLE; LIGHTING FIXTURES, POWER LINE TRANSFORMERS, LUMINOUS TUBE TRANSFORMERS; ELECTRIC PORTABLE LAMPS, ELEVATOR CONTROL BOARDS; ELECTRICAL METAL MOLDING AND SURFACE METAL RACEWAYS; RADIO RECEIVING AND TRANSMITTING SETS; FLASHLIGHTS AND BATTERIES, SOCKETS, SWITCH PLATES, DRY CELL BATTERIES AND FUSES; NON-METALLIC ELECTRODES; FLOOR BOXES; WET CELL BATTERIES; ARMATURE AND MOTOR WINDINGS; MOTORS; HOUSEHOLD APPLIANCES—NAMELY, HOT PLATES, TOASTERS, SPACE HEATERS, HAIR CURLERS, FOOD MIXERS, VACUUM CLEANERS, AND FLATIRONS.

Claims use since Oct. 27, 1926.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 517,643. HAMILTON A. LONG, Chicago, Ill. Filed Feb. 17, 1947.



No exclusive rights to a circle, the cardinal point directions "N, E, S" and "W" or the words "Points South" are claimed apart from the mark.

FOR POCKET COMPASSES.

Claims use since Jan. 22, 1947.

Ser. No. 518,104. PIERRE ROCH S. A. R. L., Rolle, Switzerland. Filed Feb. 25, 1947.

The words "Rolle, Suisse" on the drawing are disclaimed. The representation of the gauge is disclaimed apart from the mark.

FOR CALIPERS, HEIGHT GAUGES, DEPTH GAUGES, INDICATOR GAUGES, UNIVERSAL PROTRACTORS, MICROMETER LEVELS, MICROMETERS, AND INDICATING MICROMETERS.

Claims use since July 1, 1943.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 500,841. SPAULDING & COMPANY, Chicago, Ill. Filed Apr. 24, 1946.

The trade-mark consists of a right angle triangle in solid black color, with the hypotenuse thereof extending obliquely with respect to the container to which the trade-mark is applied.

FOR ARTICLES OF CHINAWARE, CROCKERY, POTTERY, EARTHENWARE, AND PORCELAIN—NAMELY, JARS, POTS, VASES, DISHES, SERVICE PLATES, DINNER PLATES, SALAD PLATES, BREAD AND BUTTER PLATES, DESSERT PLATES, SOUP PLATES, CUPS, SAUCERS, PITCHERS, TEAPOTS, COFFEE POTS, CHOCOLATE POTS, SOUP BOWLS, FRUIT BOWLS, VEGETABLE BOWLS, PUNCH BOWLS, SALAD BOWLS, AND PLATTERS.

Claims use since Oct. 1, 1932.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 523,628. TRANSOLENE CORPORATION, Barrington, Ill. Filed June 5, 1947.

TRANSOLENE

FOR THIN SHEETS OF COLORED TRANSPARENT AND TRANSLUCENT HEAT- AND MOISTUREPROOF PLASTIC FILM SOLD IN SHEETS OR FROM THE ROLL FOR USE AS COLOR SCREENS FOR SPOTLIGHTS.

Claims use since November 1925.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 508,482. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y. Filed Sept. 4, 1946.

Linde **TIPS**

FOR PERIODICAL PUBLICATION.

Claims use since July 16, 1946.

CLASS 39

CLOTHING

Ser. No. 510,248. CLAUDIA GLENN, Denver, Colo. Filed Oct. 4, 1946.

The words "Created by" and the representation of a bridal gown are disclaimed apart from the mark. The person represented on the drawing is fanciful.

FOR BRIDAL GOWNS.

Claims use since Aug. 1, 1946.

Ser. No. 511,963. M. J. SAKS SHOE CORP., New York, N. Y. Filed Nov. 2, 1946.

Em Jay
ORIGINALS

The word "Originals" is disclaimed apart from the mark.

FOR WOMEN'S SHOES MADE FROM LEATHER, FABRIC, COMPOSITION MATERIAL, PLASTICS, OR COMBINATIONS OF SUCH MATERIALS.

Claims use since Oct. 16, 1946.

Ser. No. 521,115. DANDON SALES, INC., New York, N. Y. Filed Apr. 22, 1947.

Judy 'n' Johnny

FOR SWIM CAPS AND BABY PANTS.

Claims use since Nov. 1, 1946.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 490,595. LEVINSOHN TEXTILE CO., New York, N. Y. Filed Oct. 27, 1945.

FEATHERQUEEN

FOR TICKINGS, READY-MADE PILLOW TICKS.

Claims use since Jan. 1, 1945.

Ser. No. 524,039. ALGEMEENE KINSTZIJDE UNIE, N. V., Arnhem, Netherlands. Filed June 12, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL

Ser. No. 546,352. A. BERSLAUER EXPORT CORP., New York, N. Y. Filed Jan. 7, 1948.

Ser. No. 550,790. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

Ser. No. 524,039. ALGEMEENE KUNSTZIJDE UNIE, N. V., Arnhem, Netherlands. Filed June 12, 1947.

ENKA

FOR KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE, MADE OF RAYON, NYLON, AND PROTEIN FIBERS AND YARNS.
Claims use since 1913.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 522,583. BELTX CORPORATION, St. Louis, Mo. Filed May 17, 1947.

Beltx Nylox

FOR SANITARY BELTS AND CLASPS AND OTHER PARTS THEREOF.
Claims use since Mar. 24, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 516,585. SUGAR BEET PRODUCTS COMPANY, INC., Saginaw W. S., Mich. Filed Dec. 15, 1947; originally filed, act of 1905, Jan. 29, 1947.

All terms enclosed in the circle with the exception of "Capsuds" are disclaimed apart from the mark.
FOR CONCENTRATED SOAP.
Claims use since Dec. 17, 1946.

Ser. No. 527,932. THE HEWITT SOAP COMPANY, INC., Dayton, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

SHOWER BAR

Applicant claims ownership of registration No. 418,468.
FOR SUDSING CLEANER, CLEANSER, AND DETERGENT.
Claims use since Feb. 26, 1942.

Ser. No. 536,568. WESTVACO CHLORINE PRODUCTS CORPORATION, New York, N. Y., Carteret, N. J., South Charleston, W. Va. and Newark Calif., assignor to Food Machinery and Chemical Corporation, New York, N. Y., a corporation of Delaware. Filed Oct. 2, 1947.

POLYSAN

FOR DAIRY EQUIPMENT CLEANSER.
Claims use since June 1944.

Ser. No. 544,653. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Oct. 21, 1947.

METSO

Applicant claims ownership of registration No. 292,106.
FOR CLEANSING COMPOUND CONTAINING SILICATE OF SODA AND ESPECIALLY USEFUL FOR INDUSTRIAL CLEANING OF FOOD CONTAINERS, METALS, GLASS, CERAMICS, TEXTILES, AND THE LIKE.
Claims use since Oct. 10, 1930.

Ser. No. 545,919. JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Dec. 31, 1947. Under section 2f of the act of 1946.

BLU-MOTTLE

Applicant claims ownership of registration No. 184,068.
FOR SOAP.
Claims use since Feb. 1, 1921.

Ser. No. 546,352. A. BERSLAUER EXPORT CORP., New York, N. Y. Filed Jan. 7, 1948.

Contouré

FOR SOAP.
Claims use since Aug. 15, 1947.

Ser. No. 547,520. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Jan. 20, 1948.

TEMBRITE

FOR CLEANING COMPOUND IN POWDERED FORM HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since Jan. 2, 1948.

Ser. No. 548,322. THE BLACK DIAMOND PAINT & VARNISH WORKS, INC., Cincinnati, Ohio. Filed Jan. 30, 1948.

BLACK DIAMOND

Applicant claims ownership of registrations Nos. 51,204 and 51,205.
FOR BELT DRESSINGS.
Claims use since Dec. 15, 1902.

Ser. No. 549,154. THE ANDREW JERGENS COMPANY, Cincinnati, Ohio. Filed Feb. 9, 1948. Under section 2f of the act of 1946.

JERGENS

Applicant claims ownership of registrations Nos. 85,132 and 85,133.
FOR TOILET SOAP.
Claims use since 1890.

Ser. No. 550,687. THE GREAT AMERICAN TEA COMPANY, New York, N. Y. Filed Feb. 27, 1948.

Applicant claims ownership of registrations Nos. 220,795 and 244,825.
FOR LIQUID PREPARATION FOR REMOVING SPOTS FROM FABRICS, CLOTHING, CARPETS, AND UPHOLSTERY, AND A CLEANING PREPARATION IN POWDER FORM FOR GENERAL HOUSEHOLD AND LAUNDRY USE.
Claims use since Feb. 27, 1943.

Ser. No. 550,790. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 50,697, 68,007, 68,213, 139,514, 182,217, 224,182, and 231,395.
FOR SOAP POWDER COMBINED WITH MINERAL INGREDIENTS.
Claims use since Jan. 1, 1905.

Ser. No. 550,791. THE CUDAHY PACKING COMPANY, Chicago, Ill. Filed Feb. 28, 1948. Under section 2f of the act of 1946.

OLD DUTCH

Applicant claims ownership of registrations Nos. 50,697, 68,007, 68,213, 139,514, 182,217, 224,182, and 231,395.
FOR SOAP POWDER COMBINED WITH MINERAL INGREDIENTS.
Claims use since Jan. 1, 1905.

Ser. No. 555,803. THE DIVERSEY CORPORATION, Chicago, Ill. Filed Apr. 29, 1948.

ALUMINUX

Applicant claims ownership of registration No. 398,752.
FOR CLEANING COMPOUND IN PULVERULENT FORM.
Claims use since Oct. 6, 1933.

Ser. No. 557,547. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 21, 1948.

MONSANTO

FOR INORGANIC PHOSPHATES AND ALUMINA IN THE FORM OF PARTICULATE SOLIDS FOR GENERAL USE IN THE INDUSTRIAL ARTS AS ABRASIVES AND POLISHING AGENTS.
Claims use since May 1935.

Ser. No. 559,234. THE LINCOLN INDUSTRIAL CHEMICAL CO. INC., Lincoln Park, Pa. Filed June 15, 1948.

CLASS 5

ADHESIVES

Ser. No. 535,272. THEE PRODUCTS CO., Denver, Colo. Filed Sept 22, 1947.

Ser. No. 568,943. ROBERT L. GLADKE, doing business as Pakay Company, Elmira, N. Y. Filed Nov. 17, 1948.

Ser. No. 559,234. THE LINCOLN INDUSTRIAL CHEMICAL CO. INC., Lincoln Park, Pa. Filed June 15, 1948.

Alli

FOR LIQUID SOAP.
Claims use since Mar. 1, 1947.

Ser. No. 559,235. THE LINCOLN INDUSTRIAL CHEMICAL CO. INC., doing business as The Lincoln Industrial Insecticide Co., Lincoln Park, Pa. Filed June 15, 1948.

Steralli

FOR LIQUID SOAP HAVING STERILIZING PROPERTIES.
Claims use since May 1, 1948.

Ser. No. 562,062. HYSAN PRODUCTS COMPANY, Chicago, Ill. Filed July 23, 1948.

SNOAP

FOR CHEMICAL CLEANING POWDER FOR GENERAL CLEANING PURPOSES, INCLUDING CLEANING OF GLASS, PORCELAIN, TILE, MARBLE, WOOD, LINOLEUM, COMPOSITION FLOORS, PAINTED OR ENAMELED WALLS AND SIMILAR SURFACES.
Claims use since Jan. 15, 1945.

Ser. No. 563,184. IKTHOLINE LIMITED, Brentford, Middlesex, England. Filed Aug. 11, 1948.

IK-THOL-INE

Applicant claims ownership of British registration No. 510,862 dated Mar. 3, 1930.
FOR SHAVING SOAP.

CLASS 5

ADHESIVES

Ser. No. 545,783. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Dec. 30, 1947. Under section 2f of the act of 1946.

STAYBIND

Applicant claims ownership of registration No. 359,015.
FOR VEGETABLE DERIVATIVE ADHESIVE FOR COMBINING PLIES OF PAPER AND OTHER ARTICLES.
Claims use since Apr. 2, 1931.

Ser. No. 555,498. GENERAL GUMMED PRODUCTS, INC., Richmond Hill, N. Y. Filed Apr. 24, 1948.

WOLCOR

FOR GUMMED PAPER TAPE AND GUMMED CLOTH TAPE FOR GENERAL USE.
Claims use since Dec. 10, 1947.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 502,802. CHEMICO, INC., Cuyahoga Falls, Ohio. Filed Sept. 22, 1947; originally filed, act of 1905, May 27, 1946.

SOAC

FOR RUBBER COMPOUNDING MATERIAL HAVING A PETROLATUM-LIKE CONSISTENCY WHICH SERVES FOR INCREASING THE PLASTICITY OF THE RUBBER AND INCREASING THE ACTIVITY OF THE ACCELERATOR EMPLOYED IN THE RUBBER BATCH.
Claims use since Mar. 28, 1946.

Ser. No. 522,524. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947; originally filed, act of 1905, May 16, 1947.

JIFFIX

FOR AMMONIUM THIOSULFATE FIXING BATH COMPOSITIONS TO BE USED IN THE DEVELOPMENT OF PAPER PRINTS, FILMS AND PLATES.
Claims use since Apr. 21, 1947.

Ser. No. 535,272. THEE PRODUCTS CO., Denver, Colo. Filed Sept 22, 1947.

THEE

FOR SCALP AND HAIR LOTIONS AND OIL SHAMPOOS.
Claims use since Aug. 1, 1947.

Ser. No. 550,371. WHITEHALL PHARMACAL COMPANY, New York, N. Y. Filed Feb. 21, 1948. Under section 2f of the act of 1946.

DELICA BROW

Applicant claims ownership of registration No. 144,299.
FOR MASCARA.
Claims use since Aug. 20, 1920.

Ser. No. 554,797. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Apr. 16, 1948.

Photact

FOR CHEMICALS USED IN PROCESSING PHOTOSENSITIVE PRODUCTS—NAMELY, DEVELOPERS, FIXERS, AND BLEACHERS FOR "ERASING."
Claims use since May 21, 1943.

Ser. No. 561,169. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed July 10, 1948.

Fairway

Applicant claims ownership of registrations Nos. 197,673 and 243,059.
FOR SYNTHETIC FOOD COLORING MATERIALS.
Claims use since December 1934.

Ser. No. 568,943. ROBERT L. GLADKE, doing business as Pakay Company, Elmira, N. Y. Filed Nov. 17, 1948.

Pakay

FOR WATER SOLUBLE DOUCHE POWDER.
Claims use since Aug. 5, 1948.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 559,661. A. B. DICK COMPANY, Chicago, Ill. Filed June 18, 1948.

AB

Applicant claims ownership of registrations Nos. 415,230, 420,026, and 432,257.
FOR DUPLICATING INK AND INK PADS.
Claims use since September 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 530,921. COWIN & CO. INC., Minneapolis, Minn. Filed Aug. 9, 1947.

STEELDROME

FOR ALUMINUM AND STEEL PREFABRICATED BUILDING STRUCTURES.
Claims use since Aug. 5, 1940.

Ser. No. 537,563. CLINTON METALLIC PAINT COMPANY, Clinton, N. Y. Filed Oct. 11, 1947. Under section 2f of the act of 1946.

Clinton

Applicant claims ownership of registration No. 82,052.
FOR CEMENT COLORING MATERIAL, FOR MORTAR COLORING MATERIAL, FOR FURNACE CEMENT AND FOR FIREBRICK CEMENT.
Claims use since Sept. 1, 1886.

Ser. No. 542,565. THE HALLEMITE MANUFACTURING CO., Cleveland, Ohio. Filed Nov. 28, 1947.

Ser. No. 564,131. LACLEDE-CHRISTY COMPANY, St. Louis, Mo. Filed Aug. 25, 1948.

Ser. No. 556,674. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

CLASS 15

OILS AND GREASES

Ser. No. 542,565. THE HALLEMITE MANUFACTURING CO., Cleveland, Ohio. Filed Nov. 28, 1947.

SILACRON

FOR QUICK SETTING NON-SHRINKING CEMENT FOR REPAIRING CONCRETE AND MASONRY.
Claims use since May 2, 1938.

Ser. No. 543,788. CORALTEX, INC., Los Angeles, Calif. Filed Dec. 9, 1947.

CORALETHER

FOR FIBER BOARD FOR CONSTRUCTION PURPOSES.
Claims use since Nov. 10, 1947.

Ser. No. 546,680. DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Jan. 10, 1948. Under section 2f of the act of 1946.

Seal-Gard

FOR CALKING AND GLAZING COMPOUND.
Claims use since 1935.

Ser. No. 547,496. TIMMERMAN LUMBER & MFG. CO., Hibbing, Minn. Filed Jan. 19, 1948.

TIMCO

FOR PREFABRICATED, WOOD, FRAME, BUILDINGS—NAMELY, LOG CABINS, MILK HOUSES, AND BUNGALOWS.
Claims use since May 1, 1947.

Ser. No. 552,876. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Mar. 24, 1948. Under section 2f of the act of 1946.

BURNER-SET

Applicant claims ownership of registration No. 383,916.
FOR CASTABLE REFRACTORY MATERIAL.
Claims use since Aug. 4, 1939.

Ser. No. 552,877. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill. Filed Mar. 24, 1948. Under section 2f of the act of 1946.

FIRE HEARTH

Applicant claims ownership of registration No. 402,456.
FOR DRY AGGREGATE READY TO MIX WITH WATER TO FORM A PLASTIC HEAT INSULATING MATERIAL.
Claims use since Nov. 13, 1941.

Ser. No. 564,131. LACLEDE-CHRISTY COMPANY, St. Louis, Mo. Filed Aug. 25, 1948.

MABCO

FOR FIRE BRICK.
Claims use since Apr. 10, 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 528,197. DEUS FASTENER CO., INC., West Islip, N. Y. Filed July 9, 1947.

SUPERSONIC

FOR QUICK-ACTING, SELF-LOCKING FASTENERS, AND FASTENER PARTS AND ACCESSORIES—NAMELY, FASTENER STUDS, FASTENER SPRINGS, FASTENER GROMMETS, AND FASTENER RECEPTACLES.
Claims use since June 9, 1947.

Ser. No. 532,432. DIXON VALVE & COUPLING CO., Philadelphia, Pa. Filed Aug. 26, 1947.

"G J BOSS"

Applicant claims ownership of registration No. 280,875.
FOR HOSE COUPLINGS.
Claims use since June 1934.

Ser. No. 536,345. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

WILMINGTON

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA LAVATORIES.
Claims use since January 1940.

Ser. No. 536,346. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 1, 1947.

ZECO

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA WATER CLOSETS AND WATER CLOSET TANKS AND BALLCOCKS THEREFOR.
Claims use since January 1926.

Ser. No. 536,347. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 1, 1947. Under section 2f of the act of 1946.

WESTON

FOR PLUMBING FIXTURES, NAMELY—VITREOUS CHINA LAVATORIES.
Claims use since July 1939.

Ser. No. 556,674. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Aug. 15, 1947. Under section 2f of the act of 1946.

NORDSTROM

Applicant claims ownership of registrations Nos. 413,654 and 349,221.
FOR PLUG VALVES AND PARTS THEREOF.
Claims use since 1919.

CLASS 14

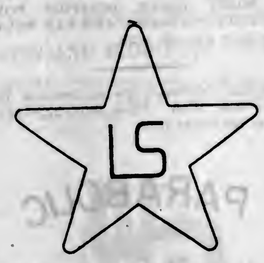
METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 455,544. REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed May 5, 1948; originally filed, act of 1905, Sept. 15, 1942. Under section 2f of the act of 1946.

ELECTRO ZINCBOND

Applicant disclaims the term "Electro" apart from the mark. Applicant claims ownership of registration No. 395,814.
FOR ELECTRICALLY COATED FERROUS METAL SHEET, STRIP, AND PLATE.
Claims use since May 1, 1942.

Ser. No. 527,838. NATIONAL LEAD COMPANY, New York, N. Y. Filed July 5, 1947.



FOR ANTIMONY METAL AND ALLOYS THEREOF IN THE FORM OF BARS, PIGS, OR INGOTS.
Claims use since January 1931.

Ser. No. 557,882. THE AMERICAN METAL COMPANY, LIMITED, New York, N. Y. Filed May 27, 1948.

AMCO

FOR METAL PRODUCTS—NAMELY, ZINC METAL IN THE FORM OF SLABS, CAKES, BARS, OR INGOTS, AND COPPER IN CAKES, BARS, OR INGOTS.
Claims use since July 19, 1930.

619 O. G.—42

CLASS 15

OILS AND GREASES

Ser. No. 534,690. D. A. STUART OIL CO., LIMITED, Chicago, Ill. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

Thred Kut

FOR CUTTING OILS.
Claims use since Jan. 31, 1924.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 539,667. CONTINENTAL PAINT & VARNISH CO., Chicago, Ill. Filed Oct. 31, 1947.

ZINCAPONE

FOR PAINT IN PASTE FORM.
Claims use since 1932.

Ser. No. 539,778. STETSON PAINT AND VARNISH COMPANY, Chicago, Ill. Filed Oct. 31, 1947.

CORRU-KOTE

Applicant disclaims use of the word "Kote" per se.
FOR PAINT IN LIQUID AND PASTE FORM.
Claims use since 1937.

Ser. No. 540,910. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Nov. 12, 1947.

"67" LINE

The word "Line" is disclaimed apart from the mark.
FOR PAINT ENAMELS (AIR-DRYING AND BAKING).
Claims use since Oct. 1, 1945.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 502,886. CONTINENTAL ELECTRIC COMPANY, Geneva, Ill. Filed Dec. 16, 1947; originally filed, act of 1905, May 28, 1946. Under section 2f of the act of 1946.

CETRON

FOR ELECTRONIC AND LIGHTING DEVICES—NAMELY, PHOTO-ELECTRIC TUBES, RECTIFIER TUBES, CHARGER BULBS, ELECTRONIC TUBES, PROJECTOR LAMPS, SPACE DISCHARGE LAMPS, NEON LAMPS, AND GAS DISCHARGE LAMPS.
Claims use since 1934.

Ser. No. 536,825. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

Ser. No. 534,622. GERBER LEGENDARY BLADES, Portland, Oreg. Filed Sept. 16, 1947.

Ser. No. 536,094. THE JOYCE-CRIDLAND CO., Dayton, Ohio. Filed Sept. 29, 1947.

Ser. No. 512,885. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio. Filed July 5, 1947; originally filed, act of 1905, Nov. 19, 1946.

Ser. No. 536,825. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

WARD LEONARD

FOR ELECTRIC RESISTANCE UNITS OR TUBES OR COILS, ELECTRIC RHEOSTATS, ELECTRIC MOTOR STARTERS, ELECTRIC VOLTAGE, CURRENT AND SPEED REGULATORS, ELECTRIC SWITCHES, ELECTRIC CIRCUIT CONTROLLERS FOR CHANGING CIRCUIT CONNECTIONS IN A PREDETERMINED MANNER AND OTHERWISE, ELECTRIC CURRENT CUT-OUTS AND ELECTRO-MAGNETIC CIRCUIT BREAKERS, AND ELECTRIC CONTROLLING PANELS.
Claims use since 1911.

Ser. No. 539,503. EASTERN TUBE AND TOOL CO., INC., Brooklyn, N. Y. Filed Oct. 30, 1947.

Ettco Flex

FOR NON-METALLIC CABLE CONDUIT OR TUBE.
Claims use since August 1926.

Ser. No. 540,383. A. B. CHANCE COMPANY, Centralia, Mo. Filed Nov. 7, 1947. Under section 2f of the act of 1946.

CHANCE

FOR LINE TAP CLAMPS (SCREW TYPE AND SNAP TYPE), TAP CONNECTIONS, GROUNDING SETS COMPRISING MOUNTED CLUSTERS OF TAP CLAMPS AND SUPPORTS THEREFOR, BUS BAR CLAMPS, ANGULAR GROUNDING CLAMPS, SWITCH BLADE GROUNDING CLAMPS, TERMINAL BLOCKS, GROUNDING TERMINALS, TERMINAL LUGS, INSULATED JUMPER CLAMPS, FLEXIBLE GROUNDING CABLE AND CABLE SPLICES, FUSED TAP-OFF CLAMPS, AND DROP-OUT FUSED CUT-OUTS.
Claims use since Feb. 1, 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 531,888. WILLIAM CARMEL, Chicago, Ill. Filed Aug. 20, 1947.

SMASH-O-MATIC

No claim is made to the word "Smash" apart from the mark.
FOR BOTTLE CRUSHERS FOR BREAKING INTO FRAGMENTS BEVERAGE BOTTLES AND THE LIKE.
Claims use since July 1, 1947.

Ser. No. 534,622. GERBER LEGENDARY BLADES, Portland, Oreg. Filed Sept. 16, 1947.

MIMING

FOR STEAK KNIVES MADE OF NON-PRECIOUS MATERIALS.
Claims use since July 1946.

Ser. No. 534,894. K-D MANUFACTURING COMPANY, Lancaster, Pa. Filed Sept. 18, 1947.

K-D

Applicant claims ownership of registrations Nos. 137,808 and 276,115.
FOR HACK-SAW FRAMES, HACK-SAW BLADES, NAIL PULLERS, AND AUTOMOTIVE TOOLS AND ACCESSORIES—TO WIT, VALVE SPRING LIFTERS, SPRING COMPRESSORS, VALVE-STEM-KEEPER-INSERTERS, VALVE-STEM-KEEPER-RECEIVERS OR SHIELDS, VALVE-STEM-KEEPER REMOVERS, WRIST-PIN-INSERTING TOOLS, VALVE GRINDERS, BUSHING REMOVERS, WHEEL PULLERS, STUD RIVETTING AND SETTING AND REMOVING DIES, VALVE SPRING AND OTHER SPRING HOLDERS, BENCH VISE ATTACHMENTS FOR USE IN COMPRESSING SPRINGS, PLIERS, WRENCHES, PISTON RINGERS, PISTON RING FILERS, VALVE GUIDE RETAINERS, IGNITION POINT TOOLS, IGNITION POINT REFACERS, PISTON PIN TOOLS, AND FAN BELT TOOLS.
Claims use since Apr. 30, 1920.

Ser. No. 535,255. NATIONAL TWIST DRILL & TOOL COMPANY, Rochester, Mich. Filed Sept. 22, 1947. Under section 2f of the act of 1946.

PARABOLIC

Applicant claims ownership of registration No. 169,920.
FOR MILLING CUTTERS.
Claims use since Apr. 14, 1922.

Ser. No. 536,006. STEEL PRODUCTS MANUFACTURING COMPANY, St. Louis, Mo. Filed Sept. 27, 1947.

SWING-A-WAY

Applicant claims ownership of registration No. 373,866.
FOR CAN OPENERS, JAR OPENERS, AND KNIFE SHARPENERS.
Claims use since May 1, 1938.

Ser. No. 536,094. THE JOYCE-CRIDLAND CO., Dayton, Ohio. Filed Sept. 29, 1947.

Liftmaster
NU-HYDRO JACK

The words "Nu-Hydro Jack" are disclaimed apart from the mark. Applicant claims ownership of registration No. 351,262.
FOR HYDRAULIC LIFTING JACKS.
Claims use since May 1946.

CLASS 25

LOCKS AND SAFES

Ser. No. 528,395. THE AMERICAN SWISS COMPANY, Toledo, Ohio. Filed July 12, 1947. Under section 2f of the act of 1946.

SWISS

Applicant claims ownership of registration No. 332,280.
FOR VEHICLE DOOR LATCHES.
Claims use since August 1926.

CLASS 26

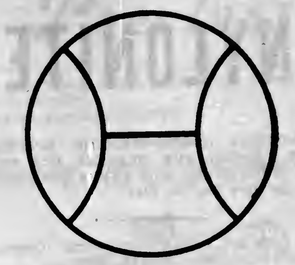
MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 496,187. WHITE-RODGERS ELECTRIC COMPANY, St. Louis, Mo. Filed Nov. 17, 1947; originally filed, act of 1905, Feb. 7, 1946.

WR

Applicant claims ownership of registrations Nos. 365,781 and 396,361.
FOR INSTRUMENTS AND CONTROLS RESPONSIVE TO CHANGES IN PHYSICAL CONDITIONS—NAMELY, ELECTRO-THERMOSTATIC GAS VALVES; ROOM AND SPACE THERMOSTATS; AND PRESSURE-ELECTRIC AND THERMO-ELECTRIC CONTROLS OF WARM AIR, SURFACE AND IMMERSION HOT WATER TYPES, FOR HEATING AND AIR-CONDITIONING SYSTEMS, FOR FAN AND BLOWER SYSTEMS, INDUSTRIAL OVENS, AND REFRIGERATION SYSTEMS; AND ELECTRO-TIMERS FOR STOKERS.
Claims use since September 1937.

Ser. No. 512,885. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio. Filed July 5, 1947; originally filed, act of 1905, Nov. 19, 1946.



FOR OPHTHALMIC LENSES FOR OPTICAL PURPOSES.
Claims use since Aug. 25, 1946.

Ser. No. 521,976. ARNOLD U. HUGGENBERGER, Zurich, Switzerland. Filed July 5, 1947; originally filed, act of 1905, May 6, 1947.

Tepic

Applicant claims ownership of Swiss registration No. 117,496.
FOR STRAIN GAGES AND ELECTRO-MECHANICAL MEASURING APPARATUS IN WHICH STATIC AND DYNAMIC PHENOMENA ARE TRANSMITTED BY STRAIN GAGES.

Ser. No. 521,977. ARNOLD U. HUGGENBERGER, Zurich, Switzerland. Filed July 5, 1947; originally filed, act of 1905, May 6, 1947.

Tecup

Applicant claims ownership of Swiss registration No. 117,495, dated Oct. 25, 1946.
FOR STRAIN GAGES AND ELECTRO-MECHANICAL MEASURING APPARATUS IN WHICH STATIC AND DYNAMIC PHENOMENA ARE TRANSMITTED BY STRAIN GAGES.

Ser. No. 524,968. CHARLES FOSTER & CO., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y. Filed Aug. 1, 1947. Under section 2f of the act of 1946.

FOSTER

FOR SHOES.
Claims use since Jan. 1, 1947.

Ser. No. 520,842. THE VINCENT-McCALL COMPANY, Kenosha, Wis. Filed Nov. 19, 1947; originally filed, act of 1905, Feb. 7, 1946.

VINCENT-McCALL

FOR SHOES.
Claims use since Jan. 1, 1947.

Ser. No. 535,498. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Sept. 24, 1947.

DREXEL

FOR FURNITURE.
Claims use since Aug. 1, 1947.

Ser. No. 544,403. TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

TUCKER

FOR SHOES.
Claims use since Jan. 1, 1947.

Ser. No. 524,968. CHARLES FOSTER & Co., New York, N. Y., assignor to Charles Foster & Co., Inc., New York, N. Y., a corporation of New York. Filed Aug. 16, 1947; originally filed, act of 1905, June 27, 1947.

NYLONITE

FOR OPTICAL GOODS—NAMELY, SPECTACLES, GOGGLES, LENSES, SUN GLASSES, EYE SHADES, FRAMES, MOUNTINGS, AND PARTS THEREOF.
Claims use since May 16, 1947.

Ser. No. 531,236. PARAGON-REVOLUTE CORPORATION, Rochester, N. Y. Filed Aug. 13, 1947.

PARAGON

FOR MACHINES FOR MAKING BLUE-PRINTS AND OTHER PRINTS SUCH AS BROWN-LINE PRINTS, WHITE PRINTS, AND REPRODUCED TRACINGS, AND FOR MACHINES FOR DRYING BLUE-PRINTS, BROWN-LINE PRINTS, REPRODUCED TRACINGS, AND OTHER PHOTOCOPY PRINTS.
Claims use since May 1909.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 555,663. FABRIQUE D'HORLOGERIE LA CHAMPAGNE S. A., Bienne, Switzerland. Filed Apr. 27, 1948.

CHAMP

FOR WATCHES AND WATCH MOVEMENTS.
Claims use since Oct. 1, 1921.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 497,314. ARCHIE LEWY, doing business as The Display House, Philadelphia, Pa. Filed July 11, 1947; originally filed, act of 1905, Feb. 27, 1946.

DISPLAY HOUSE

The word "Display" is disclaimed apart from the mark.
FOR DISPLAY STANDS.
Claims use since 1936.

Ser. No. 520,842. THE VINCENT-MCCALL COMPANY, Kenosha, Wis. Filed Nov. 19, 1947; originally filed, act of 1905, Apr. 16, 1947.

THE PATIO

A Homeworthy Product

The word "Product" is disclaimed apart from the mark shown.
FOR GARDEN CHAISES.
Claims use since Apr. 23, 1946.

Ser. No. 526,675. THE VINCENT-MCCALL COMPANY, Kenosha, Wis. Filed July 5, 1947.

THE APARTMENT

FOR MATTRESSES AND BOXSPRINGS.
Claims use since Jan. 21, 1947.

Ser. No. 530,882. WOOD CONVERSION COMPANY, St. Paul, Minn. Filed Aug. 8, 1947.

TUFFLEX

Applicant claims ownership of registrations Nos. 300,892 and 500,283.
FOR LOOSELY MATTED OR FELTED ADHESIVELY-BOUND VEGETABLE FIBER IN SHEET FORM FOR USE AS STUFFING OR CUSHIONING MATERIAL FOR UPHOLSTERED FURNITURE.
Claims use since Jan. 11, 1946.

Ser. No. 533,447. THE LAND-O-NOD COMPANY, Minneapolis, Minn. Filed July 16, 1947.

FOR MATTRESSES.
Claims use since March 1925.

Ser. No. 535,498. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Sept. 24, 1947.

MERIDEN HOUSE GROUP

The words "House" and "Group" are disclaimed apart from the mark.
FOR DINING ROOM FURNITURE—NAMELY, BUFFETS, EXTENSION AND DROPLEAF TABLES, CONSOLE TABLES, BREAKFRONT AND CORNER CHINAS, SERVERS, AND CHAIRS.
Claims use since Jan. 31, 1947.

Ser. No. 535,505. DREXEL FURNITURE COMPANY, Drexel, N. C. Filed Sept. 24, 1947.

FREEDOM OAK GROUP

The words "Oak" and "Group" are disclaimed apart from the mark.
FOR DINETTE AND BEDROOM FURNITURE—NAMELY, DROPLEAF TABLES, CHAIRS, BUFFETS, BEDS, NIGHT TABLES, DRESSERS, VANITIES, BENCHES, AND MIRRORS.
Claims use since Mar. 26, 1947.

Ser. No. 542,207. S. KARPEN & BROS., Chicago, Ill. Filed Aug. 13, 1947.

Healthway

Applicant claims ownership of registration No. 428,081.
FOR MATTRESSES, BOX SPRINGS, SOFAS, AND CHAIRS OF THE FURNITURE TYPE.
Claims use since Aug. 11, 1945.

Ser. No. 543,816. LEGGETT & PLATT, INC., Carthage, Mo. Filed Dec. 9, 1947.

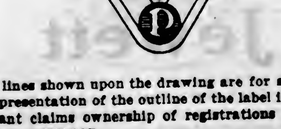
Applicant claims ownership of registrations Nos. 80,366 and 273,875.
FOR BED-SPRINGS.
Claims use since Dec. 13, 1910.

Ser. No. 544,403. TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Dec. 15, 1947. Under section 2f of the act of 1946.

Peerless

Applicant claims ownership of registration No. 156,147.
FOR FOLDING COTS, FOLDING STOOLS, AND FOLDING CHAIRS.
Claims use since Sept. 1, 1908.

Ser. No. 544,404. TUCKER DUCK & RUBBER CO., Fort Smith, Ark. Filed Dec. 15, 1947.



The representation of the goods is disclaimed apart from the mark. Applicant claims ownership of registration No. 248,220.
FOR FOLDING CHAIRS.
Claims use since Jan. 3, 1928.

Ser. No. 547,140. CLYDE G. MORGAN, Chicago, Ill. Filed Jan. 15, 1948.

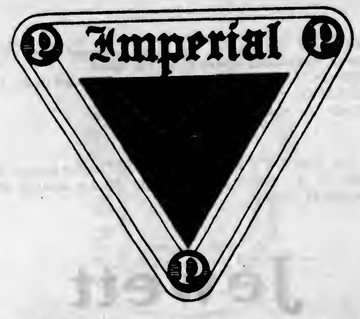
Circladesk

FOR DESKS.
Claims use since Nov. 4, 1947.

CLASS 33

GLASSWARE

Ser. No. 536,711. PRESSED PRISM PLATE GLASS COMPANY, Morgantown, W. Va. Filed Oct. 3, 1947.



The lines shown upon the drawing are for shading only. The representation of the outline of the label is disclaimed. Applicant claims ownership of registrations Nos. 43,457, 43,458, and 282,997.
FOR PLATE GLASS.
Claims use since May 15, 1904.

CLASS 34

Ser. No. 549,607. ATLANTA BELTING COMPANY, Atlanta, Ga. Filed Feb. 13, 1948. Under section 2f of the act

Ser. No. 547,531. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

Ser. No. 536,897. HAYWOOD PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 6, 1947. Under section 2f of the act of 1946.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 535,008. THATCHER FURNACE COMPANY, Garwood, N. J. Filed Sept. 19, 1947.

THERMASTER

FOR OIL, GAS, AND COAL FIRED WARM AIR FURNACES FOR DOMESTIC USE.
Claims use since June 1, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 542,025. IMPERIAL BELTING COMPANY, Chicago, Ill. Filed Nov. 22, 1947. Under section 2f of the act of 1946.

The word "Products" and the representation of the goods is disclaimed apart from the mark.
FOR POWER TRANSMISSION, CONVEYING, AND ELEVATING BELTING.
Claims use since June 7, 1920.

Ser. No. 546,224. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Jan. 5, 1948. Under section 2f of the act of 1946.

Jewett

Applicant claims ownership of registration No. 186,300.
FOR ROD AND VALVE-STEM PACKING.
Claims use since Jan. 1, 1910.

Ser. No. 549,607. ATLANTA BELTING COMPANY, Atlanta, Ga. Filed Feb. 13, 1948. Under section 2f of the act of 1946.

ATLANTA BELTING Co. SEA-SLED

The applicant disclaims the exclusive right to the use of the words "Belting Co." Applicant claims ownership of registration No. 348,126.
FOR LEATHER BELTING.
Claims use since Jan. 1, 1928.

CLASS 37

PAPER AND STATIONERY

Ser. No. 529,297. C. A. REED COMPANY, Williamsport, Pa. Filed July 23, 1947.

ORIOLE

FOR CREPE PAPER.
Claims use since June 1, 1927.

Ser. No. 529,298. C. A. REED COMPANY, Williamsport, Pa Filed July 23, 1947.

MAJESTIC

FOR CREPE PAPER.
Claims use since Sept. 4, 1933.

Ser. No. 537,970. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J. Filed Oct. 16, 1947. Under section 2f of the act of 1946.

IRVINGTON

Applicant claims ownership of registration No. 285,616.
FOR BLACK LEAD AND COPYING PENCILS.
Claims use since 1909.

Ser. No. 547,529. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

ORIOLE

FOR LEAD PENCILS.
Claims use since 1898.

Ser. No. 547,531. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

"PHANO"

FOR PENCILS FOR MARKING GLAZED SURFACES.
Claims use since 1933.

Ser. No. 547,532. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

"POPPY"

FOR RUBBER ERASERS.
Claims use since 1931.

Ser. No. 547,533. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Jan. 20, 1948.

SERGEANT

FOR LEAD PENCILS.
Claims use since December 1930.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 502,284. FREE ENTERPRISE PUBLISHING COMPANY, INC., Seattle, Wash., assignee of Free Enterprise Publishing Company, assignor to Henry J. Jilg, doing business as Free Enterprise Company, Seattle, Wash. Filed July 28, 1947; originally filed, act of 1905, May 7, 1946.

FREE ENTERPRISE

FOR PRINTED PERIODICAL PUBLICATIONS—NAMELY, MAGAZINES.
Claims use since Aug. 1, 1944.

Ser. No. 533,339. MEEHANITE METAL CORPORATION, Chattanooga, Tenn., and New Rochelle, N. Y. Filed Sept. 4, 1947.

METAL

The word "Metal" is disclaimed apart from the mark.
FOR PUBLICATION PUBLISHED FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH IS DIRECTED TO ENGINEERING SALES AND SERVICE DATA, OF METALLURGY AND PARTICULARLY OF APPLICANT'S CAST IRON CASTINGS AND PRODUCTS.
Claims use since Aug. 9, 1927.

Ser. No. 536,897. HAYWOOD PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 6, 1947. Under section 2f of the act of 1946.

PACKAGING PARADE

Applicant claims ownership of registration No. 367,616.
FOR MONTHLY MAGAZINE.
Claims use since Jan. 15, 1938.

Ser. No. 536,898. HAYWOOD PUBLISHING COMPANY, Chicago, Ill. Filed Oct. 6, 1947.

shears

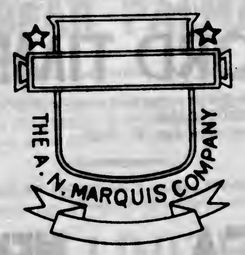
Applicant claims ownership of registration No. 202,357.
FOR MONTHLY MAGAZINE.
Claims use since Nov. 1, 1891.

Ser. No. 541,995. BEARING MANUAL INC., Chicago, Ill. Filed Nov. 22, 1947. Under section 2f of the act of 1946.

Bearing Manual

FOR PUBLICATION ISSUED FROM TIME TO TIME AND PROVIDING THEREIN SPECIFICATIONS FOR BALL, ROLLER, AND BRONZE BEARINGS.
Claims use since Oct. 17, 1941.

Ser. No. 545,141. THE A. N. MARQUIS COMPANY, Chicago, Ill. Filed Dec. 22, 1947.



Applicant disclaims the name "The A. N. Marquis Company" except in combination with the mark as a whole.
FOR PUBLICATION IN THE NATURE OF A DIRECTORY PUBLISHED FROM TIME TO TIME.
Claims use since Mar. 10, 1942.

Ser. No. 547,153. S-M-S CORPORATION, Detroit, Mich.

Ser. No. 555,764. PENOLA INC., Chicago, Ill., and New

Ser. No. 531,766. BOTANY MILLS, INC., Passaic, N. J. Filed Aug. 19, 1947. Under section 2f of the act of

Ser. No. 536,615. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

Ser. No. 547,153. S-M-S CORPORATION, Detroit, Mich. Filed Jan. 15, 1948.

The words "Better Welding" are disclaimed apart from the mark. The drawing is lined for green, yellow, and black but no claim is made to these particular colors.

FOR TRADE CATALOG PUBLISHED FROM TIME TO TIME.

Claims use since Feb. 26, 1937.

Ser. No. 548,879. SYNDICATE STORE MERCHANDISER, INC., New York, N. Y. Filed Feb. 5, 1948. Under section 2f of the act of 1946.

SYNDICATE STORE
MERCHANDISER

Applicant claims ownership of registrations Nos. 342,782 and 391,794.

FOR PERIODICAL PUBLICATION.

Claims use since August 1931.

Ser. No. 550,461. THOMAS PUBLISHING COMPANY, New York, N. Y. Filed Feb. 24, 1948.

What's New

Applicant claims ownership of registrations Nos. 332,611, 347,126, 353,515, and 369,707.

FOR PERIODICAL.

Claims use since Feb. 17, 1939.

Ser. No. 555,492. FORD MOTOR COMPANY, Dearborn, Mich. Filed Apr. 24, 1948.

FORD TIMES

Applicant claims ownership of registration No. 108,787.

FOR PERIODICALS.

Claims use since Apr. 15, 1908.

Ser. No. 555,671. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Apr. 27, 1948.

HCA NEWS

The word "News" is disclaimed apart from the mark.

FOR PERIODICAL PUBLISHED MONTHLY.

Claims use since December 1941.

Ser. No. 555,764. PENOLA INC., Chicago, Ill., and New York, N. Y. Filed Apr. 28, 1948.

Oilways

FOR PERIODICAL.

Claims use since July 1934.

Ser. No. 555,770. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Apr. 28, 1948.

CRESCENT

Applicant claims ownership of registrations Nos. 85,230 and 87,607.

FOR PUBLICATIONS ISSUED FROM TIME TO TIME.

Claims use since Feb. 28, 1947.

Ser. No. 555,959. ROCKWELL MANUFACTURING COMPANY, Pittsburgh, Pa. Filed Apr. 30, 1948.

The Flow Line

FOR HOUSE ORGAN PUBLISHED FROM TIME TO TIME.

Claims use since March 1942.

CLASS 39
CLOTHING

Ser. No. 494,736. BOYD-RICHARDSON COMPANY, St. Louis, Mo. Filed Aug. 19, 1947; originally filed, act of 1905, Jan. 14, 1946.

PLEDGEWORTH, Jr.

The word "Jr." is disclaimed.

FOR BOYS' SUITS, PANTS, TOPCOATS, LEGGING SETS, AND SPORT COATS.

Claims use since Feb. 12, 1928.

Ser. No. 531,766. BOTANY MILLS, INC., Passaic, N. J. Filed Aug. 19, 1947. Under section 2f of the act of 1946.

BOTANY MILLS, INC. B M PASSAIC, N. J.

The words "Mills, Inc." and "Passaic, N. J." are disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 294,105, 326,598, 339,530, 367,180, 390,960, 391,808, and 394,961.

FOR ROBES FOR PERSONAL WEAR, SLACKS, SPORT SHIRTS, NECKTIES, AND SOCKS.

Claims use since May 28, 1947.

Ser. No. 532,175. SUTTON SHIRT CORP., New York, N. Y. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

Sutton Club

FOR MEN'S OUTER SHIRTS AND SPORT SHIRTS.

Claims use since August 1936.

Ser. No. 535,206. WEBBER SPORTSWEAR INC., Newburgh, N. Y. Filed Sept. 20, 1947.

FOR SNOWSUITS FOR MEN, WOMEN, BOYS, AND GIRLS.

Claims use since Mar. 1, 1945.

Ser. No. 536,611. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

RED BALL

FOR WORK GLOVES—NAMELY, GLOVES OF FABRIC, AND LEATHER AND FABRIC COMBINATIONS.

Claims use since Feb. 17, 1936.

Ser. No. 536,615. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

"MR. BIG"

FOR WORK GLOVES—NAMELY, GLOVES OF FABRIC.

Claims use since Feb. 4, 1935.

CLASS 42
KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 548,536. WILLIAM SKINNER & SONS, Holyoke, Mass., and New York, N. Y. Filed Jan. 31, 1948. Under section 2f of the act of 1946.

SKINNER

Applicant claims ownership of registrations Nos. 50,198, 154,388, and 353,034.

FOR FABRICS OF SILK, WOOL, COTTON, MAN-MADE FIBERS, AND COMBINATIONS THEREOF.

Claims use since 1848.

Ser. No. 557,049. LIBERTY & CO., LIMITED, London, England. Filed May 14, 1948.

TYRIAN

Applicant claims ownership of British registration No. 445,926, dated Mar. 4, 1924.

FOR SILK PIECE GOODS.

Ser. No. 557,174. SIR JACOB BEHRENS & SONS, Bradford, Yorkshire, England. Filed May 17, 1948.

BEAR-PALMA

Applicant claims ownership of registrations Nos. 436,962 and 440,717.

FOR PIECE GOODS OF WOOL OR COTTON OR OF MIXTURES OF THESE MATERIALS.

Claims use since June 11, 1945.

Ser. No. 562,317. BROWN & ACKERMAN, INC., New York, N. Y. Filed July 28, 1948.

BULLDOZER

FOR UNIFORM TWILL.

Claims use since May 1, 1948.

CLASS 44
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 537,162. RICHARD L. DAVIS, Topeka, Kans. Filed Oct. 8, 1947.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 561,170. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed July 10, 1948.

Fairway

Applicant claims ownership of registrations Nos. 197,673 and 243,059.
FOR TOOTHPICKS.
Claims use since October 1927.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 534,798. MCCORMICK & COMPANY, INC., Baltimore, Md. Filed Sept. 17, 1947.

Mc

Applicant claims ownership of registrations Nos. 362,407 and 425,260.
FOR POULTRY SEASONING, RUBBED SAGE, POWDERED SAGE, GROUND WHITE PEPPER, PARSLEY FLAKES, GROUND MACE, MUSTARD (GROUND), GROUND CURRY POWDER, CRUSHED RED PEPPERS, GROUND KETCHUP SPICE, ONION FLAKES, POWDERED MARJORAM, GROUND CUMIN, PAPRIKA, GROUND TUMERIC, PUMPKIN PIE SPICE, POWDERED THYME, CHILI POWDER, GROUND RED PEPPER, GROUND GINGER, WHOLE ANISE SEED, WHOLE CARAWAY SEED, WHOLE CELERY SEED, STICK CINNAMON, WHOLE CORIANDER SEED, WHOLE CUMIN SEED, WHOLE DILL SEED, WHOLE FENNEL SEED, WHOLE GINGER, WHOLE MACE, WHOLE MARJORAM, BLEACHED CARDAMON SEED, WHOLE BAY LEAVES, PICKLING SPICE, WHOLE LEAF SAGE, WHOLE THYME, WHOLE MINT LEAVES, TEA IN BAGS, WHOLE MUSTARD SEED (BLACK OR BROWN), WHOLE MUSTARD SEED (YELLOW OR WHITE), WHOLE POPPY SEED, WHOLE ROSEMARY LEAVES, TEA (ORANGE PEKOE AND PEKOE), CURRY POWDER, CELERY SALT, ONION SALT, SAVOR SALT SEASONING, CREAM STYLE PREPARED MUSTARD, BROWN STYLE PREPARED MUSTARD, PREPARED MUSTARD WITH HORSERADISH, GARLIC SALT, GROUND BLACK PEPPER, GROUND NUTMEG, GROUND CLOVES, GROUND ALLSPICE, WHOLE WHITE PEPPER, WHOLE NUTMEG, WHOLE CLOVES, WHOLE ALLSPICE, GROUND CINNAMON.
Claims use since May 1, 1938.

Ser. No. 537,162. RICHARD L. DAVIS, Topeka, Kans. Filed Oct. 8, 1947.

PUPPY LOVE

No claim is made to the word "Puppy" apart from the mark.
FOR DOG FOOD—NAMELY, COOKED HORSEMEAT.
Claims use since June 15, 1937.

Ser. No. 537,955. VALLEY PACKING COMPANY, San Benito, Tex. Filed Oct. 15, 1947.

VAL-PAK

The word "Pak" is disclaimed apart from the mark.
FOR SLICED BACON.
Claims use since May 4, 1947.

Ser. No. 542,422. TWIN CITY WHOLESALE GROCER CO., St. Paul, Minn. Filed Sept. 27, 1947.

Fairway

Applicant claims ownership of registrations Nos. 197,673 and 243,059.
FOR CANNED FISH, CANNED FRUITS, EVAPORATED CANNED MILK, MALTED MILK, CANNED VEGETABLES, FRUIT PRESERVES, DRIED FRUITS, COFFEE, TEA, FOOD-FLAVORING EXTRACTS, SHREDDED COCOANUT, PREPARED MUSTARDS, PEANUT BUTTER, OLIVES, PICKLES, CATSUP, CHILI SAUCE, SALAD DRESSING, SANDWICH SPREAD, SPICES, CORN STARCH FOR FOOD PURPOSES, TABLE SYRUP, VINEGAR, TABLE SALT, BLEACHED WHEAT FLOUR, WHOLE WHEAT FLOUR, AND WHEAT GRAHAM FLOUR.
Claims use since July 14, 1923.

Ser. No. 570,240. ZION INDUSTRIES, INC., Zion, Ill. Filed Dec. 10, 1948.

FIGESTAS

FOR COOKIES.
Claims use since Sept. 12, 1948.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,082. GROUND FLAX SEED MIXED WITH OTHER CHEMICALS USED IN TREATING EVAPORATED WATER IN MAKING FRESH WATER FROM BRINE. JAMES HOWARD HEAL, doing business as Treatment Service and Engineering Company, San Francisco, Calif.
Filed Sept. 18, 1946, Serial No. 509,286. Published Nov. 9, 1948. Class 1.

442,083. COMMINUTED METALLIC MINERALS FOR USE IN POWDERED METALLURGY. ROSS-GOULD CO., St. Louis, Mo.
Filed Oct. 28, 1946, Serial No. 511,647. Published Nov. 9, 1948. Class 1.

442,084. SOLUTION OF SODIUM CITRATE, DEXTROSE, AND CITRIC ACID. CUTTER LABORATORIES, Berkeley, Calif.
Filed Nov. 12, 1946, Serial No. 512,391. Published Oct. 19, 1948. Class 6.

442,085. MEN'S OUTER AND UNDER SHIRTS, PAJAMAS, SHORTS, ETC. COLUMBIA TRADE MARK CO. INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,793. Published Oct. 19, 1948. Class 39.

ACT OF 1920

These registrations are not subject to opposition.

442,086. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAMESTOWN FINISHING PRODUCTS, INC., Jamestown, N. Y. Filed Mar. 7, 1946, Serial No. 497,798.

[redacted]

FOR WOOD STAINS, PASTE FILLERS FOR WOOD SURFACES, LIQUID SEALERS FOR WOOD SURFACES, LIQUID LACQUERS, VARNISHES, PAINT UNDERCOATING, READY-MIXED PAINT ENAMELS, READY-MIXED PAINTS, ASPHALT PAINTS, PAINT PRIMERS, PASTE PAINTS, AND RUBBER-BASED PAINTS, REDUCERS, AND WRINKLE FINISHES.
Claims use since Oct. 29, 1945.

ACT OF 1946, PRINCIPAL REGISTER

506,606. RENEWABLE WALL CHARTS AND GRAPHS COMPRISING A PLURALITY OF PARALLEL CHANNEL STRIPS CARRIED BY A PLANE BACKING AND ADAPTED TO HOLD REPLACEABLE INDICATOR TABS WHICH ARE SLIDABLE ALONG THE CHANNEL STRIPS FOR MAINTAINING PRODUCTION AND CONTROL RECORDS. VISI-TROL CORPORATION, Detroit, Mich.
Filed Sept. 17, 1947; originally filed, act of 1905, May 17, 1946, Serial No. 502,358. Published Sept. 28, 1948. Class 26.

506,607. STERLING SILVER FLATWARE, HOLLOW WARE, AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed Nov. 24, 1947; originally filed, act of 1920, May 31, 1946, Serial No. 503,081. Published Oct. 26, 1948. Class 28.

506,608. STERLING SILVER FLATWARE, HOLLOW WARE, AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed Nov. 24, 1947; originally filed, act of 1920, May 31, 1946, Serial No. 503,083. Published Oct. 26, 1948. Class 28.

506,609. STERLING SILVER FLATWARE, HOLLOW WARE, AND TABLE CUTLERY. GORHAM MANUFACTURING COMPANY, Providence, R. I.
Filed Nov. 24, 1947; originally filed, act of 1920, May 31, 1946, Serial No. 503,091. Published Oct. 26, 1948. Class 28.

506,610. BRIQUETTED SOLID CARBONACEOUS FUEL CONTAINING ANTHRACITE AND BITUMINOUS COAL. BLAW-KNOX COMPANY, Pittsburgh, Pa.
Filed Jan. 19, 1948; originally filed, act of 1905, June 21, 1946, Serial No. 504,318. Published Nov. 9, 1948. Class 1.

560,611. SEDATIVE, VASODILATOR, CARDIOTONIC AND DIURETIC; USED IN THE SYMPTOMATIC TREATMENT OF HIGH BLOOD PRESSURE AND CERTAIN HEART CONDITIONS. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y.
Filed June 8, 1948; originally filed, act of 1905, Sept. 28, 1946, Serial No. 509,559. Published Oct. 5, 1948. Class 6.

506,612. PAPER TUBULAR CAPACITORS. SOLAR MANUFACTURING CORPORATION, New York, N. Y.
Filed Mar. 19, 1948; originally filed, act of 1905, Oct. 15, 1946, Serial No. 510,900. Published Oct. 19, 1948. Class 21.

506,613. SPECTACLE FRAMES. NEWPORT OPTICAL MANUFACTURING CO., INC., Brooklyn, N. Y.
Filed Nov. 14, 1947; originally filed, act of 1905, Feb. 6, 1947, Serial No. 517,082. Published Sept. 28, 1948. Class 26.

506,614. OPTICAL FRAMES. MARINE OPTICAL MFG. CO., Roslindale, Boston, Mass.
Filed Oct. 18, 1947; originally filed, act of 1905, Feb. 14, 1947, Serial No. 517,501. Published Sept. 28, 1948. Class 26.

506,615. FACE POWDER, LIPSTICK, TOILET WATER, GLYCERINE AND ROSE WATER, SHAMPOO, AND SKIN FRESHENER. THE LANDER CO., INC., New York, N. Y.

506,628. VITAMIN PREPARATIONS, ANALGESICS, HYPNOTICS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1947, Serial No. 528,094. Published Oct.

506,638. PRODUCT CONTAINING THE ACTIVE PRINCIPALS OF DIGITALIS FREED FROM INERT MATERIAL, FOR ADMINISTRATION BY MOUTH IN THE TREATMENT OF VARIOUS CARDIAC CONDITIONS. BURROUGHS WELLCOME & CO. (U. S. A.) INC., Tuckahoe, N. Y.

506,652. LIQUID COMPOUNDS OR SOLUTIONS CONTAINING ORGANIC PEROXIDES IN COMBINATION WITH ORGANIC OR INORGANIC FILLERS OR DILUENTS. NOVADEL-AGENE CORPORATION, Belleville, N. J., and Buffalo, N. Y.

506,615. FACE POWDER, LIPSTICK, TOILET WATER, GLYCERINE AND ROSE WATER, SHAMPOO, AND SKIN FRESHENER. THE LANDER CO., INC., New York, N. Y.
Filed July 24, 1947; originally filed, act of 1905, Mar. 4, 1947, Serial No. 518,468. Published Oct. 5, 1948. Class 6.

506,616. HYDRAULIC BRAKE FLUID. JULIUS GOLDNER, doing business as Regal Chemical Co., Brooklyn, N. Y.
Filed Nov. 4, 1947; originally filed, act of 1905, Mar. 29, 1947, Serial No. 519,816. Published Oct. 19, 1948. Class 6.

506,617. THERMOSTATIC TEMPERATURE CONTROLS FOR HEAT TRANSFER SYSTEMS. HENRY T. KUCERA, doing business as Automatic Devices Co., Chicago, Ill.
Filed Oct. 18, 1947; originally filed, act of 1905, Apr. 1, 1947, Serial No. 519,961. Published Sept. 28, 1948. Class 26.

506,618. SINGLE POLE SWITCH CIRCUIT BREAKERS AND DOUBLE POLE JUNCTION BOXES, ETC. THE OHIO BRASS COMPANY, Mansfield, Ohio.
Filed July 9, 1947; originally filed, act of 1905, Apr. 2, 1947, Serial No. 520,053. Published Oct. 19, 1948. Class 21.

506,619. ELECTRICAL CAPACITORS. SOLAR MANUFACTURING CORPORATION, North Bergen, N. J.
Filed Mar. 5, 1948; originally filed, act of 1905, Apr. 8, 1947, Serial No. 520,359. Published Oct. 19, 1948. Class 21.

506,620. ELECTRICAL LAMPS FOR AUTOMOBILES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed Jan. 28, 1948; originally filed, act of 1905, Apr. 21, 1947, Serial No. 521,068. Published Oct. 19, 1948. Class 21.

506,621. RIBOFLAVIN SUPPLEMENT FOR POULTRY AND LIVE STOCK FEEDS. PUBLICKER INDUSTRIES INC., Philadelphia, Pa.
Filed July 5, 1947, Serial No. 526,592. Published Nov. 2, 1948. Class 6.

506,622. FISHING LINES. B. F. GLADDING & CO., INC., South Otselic, N. Y.
Filed July 5, 1947, Serial No. 527,062. Published Oct. 5, 1948. Class 22.

506,623. WOOD PULP. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed July 5, 1947, Serial No. 527,302. Published Nov. 9, 1948. Class 1.

506,624. PREPARATION FOR THE TREATMENT OF RHEUMATISM, ARTHRITIS, COLDS, INFLUENZA, TONSILITIS, AND OTHER CONDITIONS THAT AN ANALGESIC OF THIS KIND WOULD BE PRESCRIBED, AND GOUT AND RHEUMATIC FEVER. TABLE ROCK LABORATORIES, INC., Greenville, S. C.
Filed July 5, 1947, Serial No. 527,427. Published Oct. 5, 1948. Class 6.

506,625. ELECTRIC LIGHTING FIXTURES, ELECTRIC LAMPS, ETC. ZEON, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,559. Published Oct. 19, 1948. Class 21.

506,626. ION EXCHANGE COMPOSITIONS USED IN THE SOFTENING AND PURIFYING OF WATER AND IN THE PURIFYING OF LIQUID MEDIUMS, OTHER THAN WATER. NATIONAL ALUMINATE CORPORATION, Chicago, Ill.
Filed July 5, 1947, Serial No. 527,935. Published Oct. 19, 1948. Class 6.

506,627. VITAMIN PREPARATIONS, ANALGESICS, HYPNOTICS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1947, Serial No. 528,093. Published Oct. 5, 1948. Class 6.

506,628. VITAMIN PREPARATIONS, ANALGESICS, HYPNOTICS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1947, Serial No.. 528,094. Published Oct. 5, 1948. Class 6.

506,629. VITAMIN PREPARATIONS, ANALGESICS, HYPNOTICS, ETC. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed July 7, 1947, Serial No. 528,095. Published Oct. 5, 1948. Class 6.

506,630. TEXTILE TREATMENT CHEMICALS—NAMELY, DETERGENTS, SCOURING AGENTS, DYEING ASSISTANTS, AND PENETRANTS FOR USE IN THE PROCESSING OF TEXTILE FIBERS AND FABRICS, NATURAL AND SYNTHETIC. JOSEPH GEORGE NATHANSON, Natick, R. I.
Filed July 12, 1947, Serial No. 528,502. Published Nov. 9, 1948. Class 6.

506,631. ELECTRIC LIGHTING FIXTURES AND LUMINOUS SIGNS. MOORE-MONTROY ELECTRIC CO., Los Angeles, Calif.
Filed July 14, 1947, Serial No. 528,576. Published Nov. 2, 1948. Class 21.

506,632. JEWELRY, NOT INCLUDING WATCHES—NAMELY, COLLAR PINS, COLLAR HOLDERS, COLLAR BUTTONS, BELT CHAINS, BELT BUCKLES, CUFF BUTTONS, SHIRT STUDS, TIE CLASPS, SCARF PINS, KEY CHAINS, TIE CHAINS, AND MONEY CLIPS, MADE IN WHOLE OR IN PART OF PRECIOUS METALS. DOLAN & BULLOCK CO., Providence, R. I.
Filed July 16, 1947, Serial No. 528,703. Published Oct. 26, 1948. Class 28.

506,633. JEWELRY, NOT INCLUDING WATCHES—NAMELY, COLLAR PINS, COLLAR HOLDERS, COLLAR BUTTONS, BELT CHAINS, BELT BUCKLES, CUFF BUTTONS, SHIRT STUDS, TIE CLASPS, SCARF PINS, KEY CHAINS, TIE CHAINS, AND MONEY CLIPS, MADE IN WHOLE OR IN PART OF PRECIOUS METALS. DOLAN & BULLOCK CO., Providence, R. I.
Filed July 16, 1947, Serial No. 528,704. Published Oct. 26, 1948. Class 28.

506,634. JEWELRY, NOT INCLUDING WATCHES—NAMELY, COLLAR PINS, COLLAR HOLDERS, COLLAR BUTTONS, BELT CHAINS, BELT BUCKLES, CUFF BUTTONS, SHIRT STUDS, TIE CLASPS, SCARF PINS, KEY CHAINS, TIE CHAINS, AND MONEY CLIPS, MADE IN WHOLE OR IN PART OF PRECIOUS METALS. DOLAN & BULLOCK CO., Providence, R. I.
Filed July 16, 1947, Serial No. 528,707. Published Oct. 26, 1948. Class 28.

506,635. JEWELRY, NOT INCLUDING WATCHES—NAMELY, COLLAR PINS, ETC. DOLAN & BULLOCK CO., Providence, R. I.
Filed July 16, 1947, Serial No. 528,708. Published Oct. 26, 1948. Class 28.

506,636. DENTIFRICES—NAMELY, TOOTH PASTE, TOOTH POWDER, AND MOUTH WASHES, AND ON CONCENTRATED COLLOIDAL MINERALS FOR USE AS NASAL DOUCHE. JOHN J. HARRIS, doing business as No Equal Products Company Not Inc. and Nature's Mineral Health Food Shop, Chicago, Ill.
Filed July 16, 1947, Serial No. 528,718. Published Sept. 28, 1948. Class 6.

506,637. MEDICINAL PREPARATION CONTAINING ANTACIDS, USED IN THE TREATMENT OF GASTRIC HYPERACIDITY. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed July 22, 1947, Serial No. 529,136. Published Oct. 19, 1948. Class 6.

506,638. PRODUCT CONTAINING THE ACTIVE PRINCIPALS OF DIGITALIS FREED FROM INERT MATERIAL, FOR ADMINISTRATION BY MOUTH IN THE TREATMENT OF VARIOUS CARDIAC CONDITIONS. BURROUGHS WELLCOME & CO. (U. S. A.) INC., New York, N. Y.
Filed July 22, 1947, Serial No. 529,138. Published Oct. 19, 1948. Class 6.

506,639. CAMPHOR, CAMPHORATED OIL, GLYCERINE, COUGH SYRUP, AND FOOD COLORING COMPOUNDS. BAKER EXTRACT COMPANY, Springfield, Mass.
Filed July 31, 1947, Serial No. 530,054. Published Jan. 20, 1948. Class 6.

506,640. TOOTHBRUSHES. OWENS BRUSH COMPANY, Toledo, Ohio.
Filed Aug. 1, 1947, Serial No. 530,246. Published Oct. 5, 1948. Class 29.

506,641. TOOTHBRUSHES. OWENS BRUSH COMPANY, Toledo, Ohio.
Filed Aug. 1, 1947, Serial No. 530,247. Published Oct. 5, 1948. Class 29.

506,642. OINTMENT. THE CORONA MANUFACTURING CO., Kenton, Ohio.
Filed Aug. 2, 1947, Serial No. 530,295. Published Oct. 5, 1948. Class 6.

506,643. WATER HARDENING COMPOSITION FOR USE IN THE BREWING INDUSTRY. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed Aug. 4, 1947, Serial No. 530,449. Published Sept. 28, 1948. Class 6.

506,644. JEWELRY, NOT INCLUDING WATCHES—NAMELY, MEDALS AND BALL CHARMS, AND JEWELRY PARTS, JEWELERS' FINDINGS, AND SUPPLIES. F. H. NOBLE & CO., Chicago, Ill.
Filed Aug. 5, 1947, Serial No. 530,553. Published Oct. 26, 1948. Class 28.

506,645. SCALP UNCTION. EMIL KULP, doing business as Kulp Manufacturing Co., Chicago, Ill.
Filed Aug. 9, 1947, Serial No. 530,942. Published Nov. 9, 1948. Class 6.

506,646. BASKETBALLS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,974. Published Oct. 5, 1948. Class 22.

506,647. ELECTRIC PHONOGRAPHS, RADIO-PHONOGRAPH COMBINATIONS AND PARTS OF ELECTRIC PHONOGRAPHS AND RADIO-PHONOGRAPHS. WESTINGHOUSE ELECTRIC CORPORATION, East Pittsburgh, Pa.
Filed Aug. 9, 1947, Serial No. 530,997. Published Oct. 26, 1948. Class 21.

506,648. PREPARATION FOR TOPICAL ANAESTHETIC. WARNER F. WILHELM, doing business as Prolong Company, Chicago, Ill.
Filed Aug. 14, 1947, Serial No. 531,407. Published Sept. 28, 1948. Class 6.

506,649. FIELD SEEDS. E. F. BURLINGHAM & SONS, Forest Grove, Oreg.
Filed Aug. 18, 1947, Serial No. 531,644. Published Nov. 9, 1948. Class 1.

506,650. MACHINES USED FOR DETERMINING AND CORRECTING THE STATIC OR DYNAMIC BALANCE, OR BOTH, OF AUTOMOBILE WHEELS AND OTHER MACHINE ELEMENTS TO BE OPERATED AT HIGH ROTATIVE SPEEDS. RAYMOND A. KENNEDY, Sioux City, Iowa.
Filed Aug. 18, 1947, Serial No. 531,682. Published Sept. 28, 1948. Class 26.

506,651. MOTOR ANALYZERS CONSISTING OF MULTIPLE TEST CIRCUITS FOR TESTING THE IGNITION, CARBURETION, AND TIMING OF INTERNAL COMBUSTION ENGINES. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed Aug. 19, 1947, Serial No. 531,757. Published Sept. 28, 1948. Class 26.

506,652. LIQUID COMPOUNDS OR SOLUTIONS CONTAINING ORGANIC PEROXIDES IN COMBINATION WITH ORGANIC OR INORGANIC FILLERS OR DILUENTS. NOVADEL-AGENE CORPORATION, Belleville, N. J., and Buffalo, N. Y.
Filed Aug. 21, 1947, Serial No. 532,052. Published Oct. 5, 1948. Class 6.

506,653. OPTICAL FRAMES AND MOUNTINGS, OPTICAL LENSES, AND BLANKS FOR OPTICAL LENSES. THE WALMAN OPTICAL COMPANY, doing business as The Walman Optical Co., Minneapolis, Minn.
Filed Aug. 21, 1947, Serial No. 532,073. Published Sept. 28, 1948. Class 26.

506,654. ASPIRIN TABLETS, CHOCOLATE COATED LAXATIVE TABLETS, HEADACHE TABLETS, ETC. HERMAN B. LAYMON, doing business as World's Products Company, Spencer, Ind.
Filed Aug. 25, 1947, Serial No. 532,304. Published Oct. 26, 1948. Class 6.

506,655. PHOTOGRAPHIC AND DARK-ROOM APPARATUS, ACCESSORIES, AND SPECIALTIES, ETC. RAYGRAM CORPORATION, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,495. Published Oct. 26, 1948. Class 26.

506,656. PHOTOGRAPHIC AND DARK-ROOM APPARATUS, ACCESSORIES, AND SPECIALTIES, ETC. RAYGRAM CORPORATION, New York, N. Y.
Filed Aug. 26, 1947, Serial No. 532,496. Published Oct. 26, 1948. Class 26.

506,657. MOLDED INDUSTRIAL PLASTIC ELECTRIC SWITCH PLATES. PENN-PLASTICS CORPORATION, Glenside, Pa.
Filed Aug. 28, 1947, Serial No. 532,752. Published Oct. 19, 1948. Class 21.

506,658. JEWELRY FOR PERSONAL WEAR, NOT INCLUDING WATCHES—NAMELY, NECKLACES, BRACELETS, FINGER RINGS, ORNAMENTAL PINS, ETC. JOSEPH-HOLLYWOOD, Burbank, Calif.
Filed Aug. 29, 1947, Serial No. 532,830. Published Oct. 26, 1948. Class 28.

506,659. LINIMENT. DOX, INC., New York, N. Y.
Filed Aug. 19, 1947, Serial No. 533,495. Published Oct. 26, 1948. Class 6.

506,660. BRAKE FLUID FOR HYDRAULIC BRAKES AND OTHER HYDRAULIC SYSTEMS WHICH USE A NON-MINERAL OIL BASE FLUID. PURITAN COMPANY, INCORPORATED, Rochester, N. Y.
Filed Sept. 5, 1947, Serial No. 533,613. Published Oct. 26, 1948. Class 6.

506,661. GRADUATED STEEL TAPES FOR MEASURING PURPOSES. MASTER RULE MANUFACTURING CO., INC., White Plains, N. Y., and elsewhere in the United States.
Filed Sept. 8, 1947, Serial No. 533,761. Published Oct. 26, 1948. Class 26.

506,662. GRADUATED STEEL TAPES FOR MEASURING PURPOSES. MASTER RULE MANUFACTURING CO., INC., White Plains, N. Y., and elsewhere in the United States.
Filed Sept. 8, 1947, Serial No. 533,763. Published Oct. 26, 1948. Class 26.

506,663. GRADUATED STEEL TAPES FOR MEASURING PURPOSES. MASTER RULE MANUFACTURING CO., INC., White Plains, N. Y., and elsewhere in the United States.
Filed Sept. 8, 1947, Serial No. 533,764. Published Oct. 26, 1948. Class 26.

506,664. STERLING SILVER HOLLOW WARE AND FLAT WARE. THE FISHER SILVERSMITHS, INC., Jersey City, N. J., and New York, N. Y.
Filed Sept. 10, 1947, Serial No. 534,010. Published Oct. 26, 1948. Class 28.

506,665. LAXATIVE MEDICINES. C. E. FULFORD, LIMITED, Leeds, England.

506,680. NURSERY STOCK—NAMELY, ROSE BUSHES, SHRUBS, VINES, HEDGING, FRUIT TREES, PE-

506,692. BELT BUCKLES, NECKTIE PINS, NECKTIE CLASPS, LAPEL ORNAMENTS, BRACELETS, AND

506,707. ADJUSTABLE CURVED RULER. COOK SPECIALTY COMPANY, Green Lane, Pa.
Filed Dec. 3, 1947, Serial No. 543,098. Published

506,665. LAXATIVE MEDICINES. C. E. FULFORD, LIMITED, Leeds, England.
Filed Sept. 11, 1947, Serial No. 534,103. Published Oct. 26, 1948. Class 6.

506,666. JEWELRY FOR PERSONAL WEAR (NOT INCLUDING WATCHES)—NAMELY, FINGER RINGS, BRACELETS, NECKLACES, PINS, AND BROOCHES, ALL SET WITH DIAMONDS. ROBERT S. SCHWACHTER, doing business as Schwachters, Cleveland, Ohio.
Filed Sept. 11, 1947, Serial No. 534,198. Published Oct. 26, 1948. Class 28.

506,667. LADIES' BRACELETS. MYRON C. POOLE, Bay City, Mich.
Filed Sept. 15, 1947, Serial No. 534,555. Published Oct. 26, 1948. Class 28.

506,668. STORAGE BATTERIES. STANDARD ELECTRIC COMPANY, INC., San Antonio, Tex.
Filed Sept. 17, 1947, Serial No. 534,829. Published Oct. 26, 1948. Class 21.

506,669. SENSITIZED PHOTOGRAPHIC PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed Sept. 19, 1947, Serial No. 535,025. Published Oct. 19, 1948. Class 26.

506,670. SOUND PICTURE FILM RECORDING GALVANOMETERS, AMPLIFIERS, CAMERAS, AND RECORDING MACHINES. BRENDT-BACH, INCORPORATED, Los Angeles, Calif.
Filed Sept. 20, 1947, Serial No. 535,123. Published Oct. 5, 1948. Class 26.

506,671. MEDICINAL SKIN LOTION. TEXAS PHARMACAL COMPANY, San Antonio, Tex.
Filed Sept. 23, 1947, Serial No. 535,436. Published July 20, 1948. Class 6.

506,672. FLOWER SEEDS. MANDEVILLE & KING COMPANY, Rochester, N. Y.
Filed Sept. 25, 1947, Serial No. 535,724. Published Nov. 9, 1948. Class 1.

506,673. MOUTH WASH. THE FAIR, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,867. Published Oct. 5, 1948. Class 6.

506,674. AUTOMOTIVE LIGHTING AND SAFETY APPLIANCES—NAMELY, HEAD LAMPS, TAIL LAMPS, ETC. NOMA ELECTRIC CORPORATION, doing business as K-D Lamp Division of Noma Electric Corporation, New York, N. Y., and Cincinnati, Ohio.
Filed Oct. 4, 1947, Serial No. 536,829. Published Nov. 2, 1948. Class 21.

506,675. TOILET CREAMS, HAIR OIL, AND DEODORANT. HELEN MCHENRY, Toledo, Ohio.
Filed Oct. 7, 1947, Serial No. 537,059. Published Oct. 19, 1948. Class 6.

506,676. PREPARATION FOR KILLING SLUGS, SNAILS, AND OTHER PESTS. ANDREW WILSON, INC., Springfield, N. J.
Filed Oct. 8, 1947, Serial No. 537,263. Published Oct. 19, 1948. Class 6.

506,677. INSECTICIDE. ANDREW WILSON, INC., Springfield, N. J.
Filed Oct. 8, 1947, Serial No. 537,266. Published Oct. 19, 1948. Class 6.

506,678. OPHTHALMIC LENSES, FRAMES, MOUNTINGS, SPECTACLES AND EYE GLASSES COMPLETE AND PARTS THEREOF. THE WHITE-HAINES OPTICAL COMPANY, Columbus, Ohio.
Filed Oct. 9, 1947, Serial No. 537,383. Published Oct. 19, 1948. Class 26.

506,679. OINTMENT OR MEDICAMENT FOR USE IN THE TREATMENT OF BURNS AND WOUNDS. SPERTI, INC., Cincinnati, Ohio.
Filed Oct. 8, 1947, Serial No. 537,541. Published Nov. 2, 1948. Class 6.

506,680. NURSERY STOCK—NAMELY, ROSE BUSHES, SHRUBS, VINES, HEDGING, FRUIT TREES, PERENNIALS, EVERGREENS, AND PLANTS. C. E. WILSON NURSERIES, Jacksonville, Tex., and Manchester, Conn.
Filed Oct. 14, 1947, Serial No. 537,859. Published Nov. 9, 1948. Class 1.

506,681. CHEMICAL PREPARATION USED IN THE TREATMENT OF THE HAIR AND SCALP. FRANCES JEANENE ROBINSON, doing business as Jeanene Robinson Preparations, Ely, Nev.
Filed Oct. 16, 1947, Serial No. 538,040. Published Nov. 2, 1948. Class 6.

506,682. POWDER FOR PRICKLY HEAT, NETTLE RASH, AND CHAFED SKIN FOR EXTERNAL USE ONLY. PLOUGH, INC., Memphis, Tenn.
Filed Oct. 17, 1947, Serial No. 538,172. Published Oct. 19, 1948. Class 6.

506,683. ORNAMENTAL PINS, JEWELRY CLIPS, HAIR ORNAMENTS, BADGES, COIN PURSES, MESH BAGS, ETC. CORO, INC., New York, N. Y.
Filed Oct. 23, 1947, Serial No. 538,726. Published Oct. 26, 1948. Class 28.

506,684. ELECTRIC ALARM BELL AND CONTROL INSTRUMENTS AND PARTS THEREOF FOR BURGLAR AND FIRE ALARM SYSTEMS. AMERICAN ELECTRICAL CORPORATION OF MASSACHUSETTS, Boston, Mass.
Filed Nov. 4, 1947, Serial No. 540,017. Published Oct. 26, 1948. Class 21.

506,685. BILLIARD BALLS. ALBANY BILLIARD BALL COMPANY, Albany, N. Y.
Filed Nov. 6, 1947, Serial No. 540,235. Published Oct. 5, 1948. Class 22.

506,686. HOLLOW WARE INCLUDING DISHES, TRAYS, JUGS, BRANDYWARMERS, CIGARETTE BOXES, JARS, CAFE BRULES, CRUMBERS, LADLES, JIGGERS, AND GOBLETS, MADE IN WHOLE OF OR IN PART OF PRECIOUS METAL. W. & S. BLACKINTON CO., INC., Meriden, Conn.
Filed Nov. 6, 1947, Serial No. 540,243. Published Oct. 26, 1948. Class 28.

506,687. RADIO RECEIVING SETS AND PARTS THEREOF. OAKES & COMPANY, Chicago, Ill.
Filed Nov. 8, 1947, Serial No. 540,561. Published Sept. 7, 1948. Class 21.

506,688. BOWLS; DISHES; FLOWER HOLDERS; COCKTAIL SHAKERS; CANDLESTICKS; TOILET SETS; BABY CUPS; SERVING FORKS AND SPOONS, ETC. THE NAPIER COMPANY, Meriden, Conn.
Filed Nov. 12, 1947, Serial No. 540,854. Published Oct. 26, 1948. Class 28.

506,689. BASKETBALLS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,084. Published Oct. 5, 1948. Class 22.

506,690. TENNIS RACKETS, BASEBALLS, FOOTBALLS, BASKETBALLS, SOCCER BALLS, VOLLEY BALLS, BASEBALL MITTS, BASEBALL GLOVES, AND FOOTBALL HELMETS. A. G. SPALDING & BROS. INC., Chicopee, Mass.
Filed Nov. 13, 1947, Serial No. 541,041. Published Oct. 5, 1948. Class 22.

506,691. NECKLACES, BRACELETS, BROOCHES, DRESS CLIPS, BAR PINS, FINGER RINGS, DRESS BUCKLES, SHOE BUCKLES, ORNAMENTAL COMBS, ETC. THE NAPIER COMPANY, Meriden, Conn.
Filed Nov. 14, 1947, Serial No. 541,166. Published Oct. 26, 1948. Class 28.

506,692. BELT BUCKLES, NECKTIE PINS, NECKTIE CLASPS, LAPEL ORNAMENTS, BRACELETS, AND FINGER RINGS MADE OF OR PLATED WITH PRECIOUS METAL. RICARDO METAL MFG. CO., Denver, Colo.
Filed Nov. 14, 1947, Serial No. 541,182. Published Oct. 26, 1948. Class 28.

506,693. LIQUID COMPOSITION FOR TREATING SEED CORN, BEANS, PEAS, ETC., TO PROTECT THEM FROM SEED PULLING BIRDS AND ANIMALS. THE CEDAR HILL FORMULAS CO., New Britain, Conn.
Filed Nov. 15, 1947, Serial No. 541,259. Published Oct. 26, 1948. Class 6.

506,694. SUN LAMPS FOR GENERAL USE. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Nov. 18, 1947, Serial No. 541,492. Published Oct. 26, 1948. Class 21.

506,695. CATTLE HIDES, SHEEPSKINS, AND CALF SKINS. FRIEND HIDE CO., Chicago, Ill., and St. Louis, Mo.
Filed Nov. 18, 1947, Serial No. 541,533. Published Nov. 9, 1948. Class 1.

506,696. CATTLE HIDES, SHEEPSKINS, AND CALF SKINS. FRIEND HIDE CO., Chicago, Ill., and St. Louis, Mo.
Filed Nov. 18, 1947, Serial No. 541,534. Published Nov. 9, 1948. Class 1.

506,697. STAPLE FIBRE MANUFACTURED FROM CELLULOSE ACETATE FOR USE IN THE MANUFACTURE OF TEXTILE YARNS OR THREADS. COURTAULDS, LIMITED, London, England.
Filed Nov. 19, 1947, Serial No. 541,649. Published Nov. 9, 1948. Class 1.

506,698. STORAGE BATTERIES. HOBBS BATTERY COMPANY, San Francisco, Calif.
Filed Nov. 19, 1947, Serial No. 541,678. Published Oct. 26, 1948. Class 21.

506,699. WEIGHING SCALES. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed July 31, 1947, Serial No. 541,786. Published Oct. 19, 1948. Class 26.

506,700. NECKWEAR TIE INTERLININGS SOLD ONLY IN THE PIECE, YARD, ROLL, OR BOLT. MYRON B. LEVY CO., INC., New York, N. Y.
Filed Nov. 20, 1947, Serial No. 541,847. Published Oct. 19, 1948. Class 42.

506,701. ELECTRIC MOTORS. RAYTHEON MANUFACTURING COMPANY, Newton, Mass.
Filed Nov. 21, 1947, Serial No. 541,964. Published Aug. 31, 1948. Class 21.

506,702. BODY CLEANSING OIL. LAMBERT W. HORN, San Francisco, Calif.
Filed Nov. 26, 1947, Serial No. 542,471. Published Oct. 5, 1948. Class 6.

506,703. WRIST WATCH BANDS MADE PRIMARILY OF LEATHER AND LIKE MATERIAL AND METAL COMPONENTS. THE ZIPLOC COMPANY, New York, N. Y.
Filed Nov. 26, 1947, Serial No. 542,497. Published Oct. 26, 1948. Class 28.

506,704. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed Nov. 28, 1947. Serial No. 542,593. Published Oct. 5, 1948. Class 26.

506,705. CONTROL APPARATUS FOR TEMPERATURE AND HUMIDITY REGULATING SYSTEMS. MINNEAPOLIS-HONEYWELL REGULATOR COMPANY, Minneapolis, Minn.
Filed Nov. 28, 1947, Serial No. 542,622. Published Oct. 19, 1948. Class 26.

506,706. EMBALMING FLUID. H. F. REMMERS, doing business as Remmer Chemical Company, Chicago, Ill.
Filed Nov. 28, 1947, Serial No. 542,655. Published Sept. 28, 1948. Class 6.

506,707. ADJUSTABLE CURVED RULER. COOK SPECIALTY COMPANY, Green Lane, Pa.
Filed Dec. 3, 1947, Serial No. 543,098. Published Oct. 26, 1948. Class 26.

506,708. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,110. Published Oct. 19, 1948. Class 42.

506,709. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,125. Published Oct. 19, 1948. Class 42.

506,710. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,131. Published Oct. 19, 1948. Class 42.

506,711. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,135. Published Oct. 19, 1948. Class 42.

506,712. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,138. Published Oct. 19, 1948. Class 42.

506,713. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,140. Published Oct. 19, 1948. Class 42.

506,714. PICTURE PROJECTORS AND COMBINED PHONOGRAPHS AND PROJECTORS. OPERADIO MANUFACTURING CO., St. Charles, Ill.
Filed Dec. 3, 1947, Serial No. 543,212. Published Oct. 26, 1948. Class 26.

506,715. A PREPARATION FOR THE TREATMENT AND RELIEF OF FROZEN OR FROST-BITTEN PARTS OF THE HUMAN BODY. MABLE EVELYN ECK, Montoursville, Pa.
Filed Dec. 6, 1947, Serial No. 543,579. Published Oct. 5, 1948. Class 6.

506,716. FOLIC ACID. RALPH I. GUY, doing business as THE RIG COMPANY, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,708. Published Nov. 9, 1948. Class 6.

506,717. VITAMIN AND MINERAL COMPOUND FOOD SUPPLEMENT FOR HUMAN CONSUMPTION, TO ASSIST IN WEIGHT REDUCING. B. H. STAUFFER, doing business as B. H. Stauffer Laboratories, Los Angeles, Calif.
Filed Dec. 10, 1947, Serial No. 544,001. Published Aug. 17, 1948. Class 6.

506,718. EYEGLASS AND SPECTACLE FRAMES. THE KONO MANUFACTURING CO., Woodside, N. Y.
Filed Dec. 12, 1947, Serial No. 544,169. Published Oct. 26, 1948. Class 26.

506,719. PIECE GOODS OF COTTON, WOOL, SILK, SYNTHETIC FIBERS, AND MIXTURES THEREOF. WELLINGTON SEARS COMPANY, New York, N. Y.
Filed Dec. 12, 1947, Serial No. 544,234. Published Oct. 19, 1948. Class 42.

506,720. RAYON FABRICS IN THE PIECE. OTTO WISE, Los Angeles, Calif.
Filed Dec. 12, 1947, Serial No. 544,238. Published Oct. 19, 1948. Class 42.

506,721. RAYON FABRICS IN THE PIECE. OTTO WISE, Los Angeles, Calif.
Filed Dec. 12, 1947, Serial No. 544,240. Published Oct. 19, 1948. Class 42.

506,767. LINIMENT. THE GREAT AMERICAN TEA COM-

506,722. PROTRACTORS. ERLING P. BUGGE, doing business as Machine-Research, Santa Monica, Calif.
Filed Dec. 15, 1947, Serial No. 544,321. Published Oct. 26, 1948. Class 26.

506,723. OBJECTIVE LENSES. BAUSCH & LOMB OPTICAL COMPANY, Rochester, N. Y.
Filed Dec. 17, 1947, Serial No. 544,531. Published Oct. 26, 1948. Class 26.

506,724. ELECTRIC CONDENSERS. AEROVOX CORPORATION, New Bedford, Mass.
Filed Oct. 11, 1947, Serial No. 544,645. Published Nov. 2, 1948. Class 21.

506,725. MEASURING SCOOPS. THE ROBSON CORPORATION, New York, N. Y.
Filed Dec. 16, 1947, Serial No. 544,676. Published Oct. 26, 1948. Class 26.

506,726. MERCURIAL DIURETIC, CONTAINING THE SODIUM SALT OF METHOXYOXIMERCURIPROPYLSUCCINYLUREA WITH THEOPHYLLINE, INDICATED AS A DIURETIC IN THE EDEMA OF CARDIORENAL DISEASE AND OF NEPHROSIS, ASCITES OF LIVER DISEASE, AND OTHER CONDITIONS. LAKESIDE LABORATORIES, INC., Milwaukee, Wis.
Filed Dec. 18, 1947, Serial No. 544,742. Published Oct. 26, 1948. Class 6.

506,727. MECHANO-ELECTRIC ENERGY TRANSDUCERS—NAMELY, PHONOGRAPH PICK-UPS AND PARTS AND ACCESSORIES THEREOF. SONOTONE CORPORATION, Elmsford, N. Y.
Filed Dec. 19, 1947, Serial No. 544,921. Published Nov. 2, 1948. Class 21.

506,728. HAIR AND SCALP PREPARATION. THERESA V. RIVERS, New York, N. Y.
Filed Dec. 20, 1947, Serial No. 545,038. Published Oct. 26, 1948. Class 6.

506,729. COUGH SYRUP. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed Dec. 22, 1947, Serial No. 545,173. Published Oct. 26, 1948. Class 6.

506,730. PREPARATION FOR THE TREATMENT OF VARICOSE ULCERS, MINOR BURNS, AND EXTERNAL SKIN IRRITATIONS. PALMER LABORATORIES, Lancaster, Pa.
Filed Dec. 23, 1947, Serial No. 545,275. Published Oct. 5, 1948. Class 6.

506,731. SULPHUR. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Dec. 27, 1947, Serial No. 545,595. Published Oct. 5, 1948. Class 6.

506,732. KNIVES, FORKS, SPOONS, FOOD PUSHERS, TONGS, LADLES, NAPKIN RINGS, ETC. ROGERS, LUNT & BOWLEN COMPANY, Greenfield, Mass.
Filed Dec. 30, 1947, Serial No. 545,769. Published Oct. 26, 1948. Class 28.

506,733. PREPARATION TO ALLEVIATE UNPLEASANT AFTER-EFFECTS FROM OVERINDULGENCE. ROBERT E. WILSON, doing business under the name Duncan-Wilson, Princeton, N. J.
Filed Dec. 30, 1947, Serial No. 545,806. Published Oct. 1948. Class 6.

506,734. SKIN CREAM, HAND CREAM, CLEANSING CREAM, TISSUE CREAM, ETC. A. BRESLAUER EXPORT CORP., New York, N. Y.
Filed Jan. 7, 1948, Serial No. 546,351. Published Oct. 26, 1948. Class 6.

506,735. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,392. Published Nov. 2, 1948. Class 6.

506,736. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,393. Published Nov. 2, 1948. Class 6.

506,737. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,394. Published Nov. 2, 1948. Class 6.

506,738. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,395. Published Nov. 2, 1948. Class 6.

506,739. SILICATE OF SODA AND SILICATE OF POTASH EITHER ALONE OR IN ADMIXTURE WITH OTHER CHEMICALS. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,396. Published Nov. 2, 1948. Class 6.

506,740. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,397. Published Nov. 2, 1948. Class 6.

506,741. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,399. Published Nov. 2, 1948. Class 6.

506,742. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 547,400. Published Nov. 2, 1948. Class 6.

506,743. COD LIVER OIL OINTMENT WITH MEDICINAL GENTIAN. R. J. MORAN CO., Boston, Mass.
Filed Jan. 21, 1948, Serial No. 547,648. Published Oct. 26, 1948. Class 6.

506,744. PERFUME, TOILET WATER, AND PERFUMED LIQUID BATH PREPARATION FOR SCENTING AND SOFTENING THE WATER. CARON CORPORATION, New York, N. Y.
Filed Jan. 22, 1948, Serial No. 547,698. Published Nov. 2, 1948. Class 6.

506,745. BICARBONATE OF SODA (BAKING SODA). CHURCH & DWIGHT CO. INC., New York, N. Y.
Filed Jan. 24, 1948, Serial No. 547,895. Published Oct. 19, 1948. Class 6.

506,746. PHARMACEUTICAL PREPARATIONS—NAMELY, HYGIENIC POWDER, VAPOR SALVE USED AS AN INHALANT, ANTISEPTIC SOLUTION, ETC. HYGIENIC PRODUCTIONS INC., Wilmington, Ohio.
Filed Jan. 29, 1948, Serial No. 548,258. Published Nov. 2, 1948. Class 6.

506,747. IODOPHENOLS IN A GELATINOUS BASE INDICATED IN THE TREATMENT OF TRENCH MOUTH, GINGIVITIS, PYORRHEA, AND ORAL SURGERY. PHARMACEUTICALS, INC., Los Angeles, Calif.
Filed Jan. 29, 1948, Serial No. 548,287. Published Nov. 2, 1948. Class 6.

506,748. LIQUID LEVEL GAGES AND ACCESSORIES THEREOF, INCLUDING WATER COLUMNS. JERGUSON GAGE & VALVE COMPANY, Somerville, Mass.
Filed Jan. 30, 1948, Serial No. 548,375. Published Oct. 26, 1948. Class 26.

506,749. MEDICINAL PREPARATION FOR THE TREATMENT OF PEPTIC ULCERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Jan. 30, 1948, Serial No. 548,432. Published Sept. 14, 1948. Class 6.

506,750. MEDICINAL PREPARATION IN TABLET FORM FOR TREATMENT OF PEPTIC ULCER. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed Feb. 3, 1948, Serial No. 548,698. Published Sept. 14, 1948. Class 6.

506,751. PRESERVATIVE TREATING CHEMICALS FOR FISHNETS. LOUIS W. SCHATZ, doing business as General Plastics Manufacturing Company, Tacoma, Wash.
Filed Feb. 4, 1948, Serial No. 548,763. Published Oct. 19, 1948. Class 6.

506,752. COMPOSITION OF MATTER INCLUDING AN INGREDIENT WHICH CHANGES COLOR UPON CONTACT WITH WATER, AND WHICH IS USEFUL TO DETERMINE THE PRESENCE OF WATER COLLECTING IN A TANK OR OTHER CONTAINER FOR GASOLINE AND OTHER MINERAL OIL PRODUCTS. RUDOLPH L. SCHWARTZ, doing business as Watertecter Company, Buffalo, N. Y.
Filed Feb. 6, 1948, Serial No. 549,009. Published Oct. 19, 1948. Class 6.

506,753. MODIFIED (I. E., OXIDIZED OR CHLORINATED), STARCH FOR INDUSTRIAL USE. ANHEUSER-BUSCH, INC., St. Louis, Mo.
Filed Feb. 7, 1948, Serial No. 549,042. Published Nov. 2, 1948. Class 6.

506,754. PREPARATIONS FOR THE TREATMENT OF HAIR INCLUDING HAIR LOTIONS, HAIR SHAMPOOS, AND HAIR DRESSINGS. RAYMOND LABORATORIES, INC., St. Paul, Minn.
Filed Feb. 7, 1948, Serial No. 549,086. Published Nov. 2, 1948. Class 6.

506,755. HERBICIDES. J. M. F. CHEMICAL COMPANY, Bryan, Tex.
Filed Feb. 9, 1948, Serial No. 549,151. Published Sept. 14, 1948. Class 6.

506,756. TALCUM POWDER, DENTAL CREAM, LIPSTICK, ROUGE, COLD CREAM, SHAMPOO, SKIN LOTION, AFTER SHAVE LOTION, DRY SKIN CREAM, ALL-PURPOSE BEAUTY CREAM, HAND CREAM, POWDER BASE, CLEANSING CREAM, AND FACIAL CREAM. JOHN H. WOODBURY, INC., Cincinnati, Ohio.
Filed Feb. 9, 1948, Serial No. 549,203. Published Oct. 26, 1948. Class 6.

506,757. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Sept. 23, 1947, Serial No. 549,319. Published Oct. 26, 1948. Class 6.

506,758. LIPSTICK AND CREAM ROUGE. LILLIAN COOPER COSMETICS, LTD., New City, N. Y.
Filed Feb. 12, 1948, Serial No. 549,514. Published Nov. 2, 1948. Class 6.

506,759. PRESSING OIL. LOUISE SCOTT, doing business as Luescot Beauty Products, Newark, N. J.
Filed Feb. 17, 1948, Serial No. 549,973. Published Oct. 26, 1948. Class 6.

506,760. ANTACID PREPARATION. WHITEHALL PHARMACAL COMPANY, New York, N. Y.
Filed Feb. 18, 1948, Serial No. 550,107. Published Nov. 2, 1948. Class 6.

506,761. HAIR DRESSINGS. DUSHARME PRODUCTS, INC., Minneapolis, Minn.
Filed Feb. 19, 1948, Serial No. 550,130. Published Oct. 26, 1948. Class 6.

506,762. ANTISEPTIC MEDICATED CREAM. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 20, 1948, Serial No. 550,226. Published Nov. 2, 1948. Class 6.

506,763. ANTISEPTIC ASTRINGENT MOUTH WASH. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 20, 1948, Serial No. 550,228. Published Nov. 2, 1948. Class 6.

506,764. TOOTH POWDER. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 20, 1948, Serial No. 550,229. Published Nov. 2, 1948. Class 6.

506,765. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed Feb. 26, 1948, Serial No. 550,624. Published Oct. 26, 1948. Class 6.

506,766. PIECE GOODS MADE OF CELLULOSE ACETATE TYPE YARNS ALONE AND IN ADMIXTURE WITH COTTON, WOOL, SILK, OR RAYON. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,666. Published Oct. 19, 1948. Class 42.

506,767. LINIMENT. THE GREAT AMERICAN TEA COMPANY, New York, N. Y.
Filed Feb. 27, 1948, Serial No. 550,690. Published Nov. 2, 1948. Class 6.

506,768. MEDICINAL TABLETS FOR USE BY WOMEN IN RELIEVING MENSTRUAL PAIN. SEROIT, INCORPORATED, New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,835. Published Nov. 2, 1948. Class 6.

506,769. ANTI-HISTAMINIC PREPARATIONS. WILLIAM R. WARNER & CO., INC., New York, N. Y.
Filed Feb. 28, 1948, Serial No. 550,881. Published Sept. 21, 1948. Class 6.

506,770. MEDICINE CONTAINING COD LIVER OIL AND EXTRACT OF IPECACUANA COMBINED IN AN EMULSION FOR THE TREATMENT OF AND AS AN AID FOR THE RELIEF OF COUGHS DUE TO COLDS. JORGE GIMÉNES, Catano, P. R.
Filed Mar. 1, 1948, Serial No. 550,911. Published Nov. 2, 1948. Class 6.

506,771. TABLETS FOR THE RELIEF OF COLDS. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo.
Filed Mar. 1, 1948, Serial No. 550,920. Published Oct. 19, 1948. Class 6.

506,772. MEDICINAL PREPARATION FOR THE TREATMENT OF NUTRITIONAL DEFICIENCIES AND DISORDERS. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed Mar. 2, 1948, Serial No. 551,066. Published Oct. 26, 1948. Class 6.

506,773. BODY DEODORANT, BODY DUSTING POWDER, TALCUM POWDER, SKIN OILS, FACIAL CREAMS, HAND CREAM, SKIN LOTIONS, SKIN BLEACH, AND WHITENER, ETC. J. E. MCBRADY & Co., Chicago, Ill.
Filed Mar. 3, 1948, Serial No. 551,124. Published Oct. 26, 1948. Class 6.

506,774. SHEETS AND PILLOW CASES. ARKWRIGHT MERCHANDISING CORPORATION, New York, N. Y.
Filed Mar. 13, 1948, Serial No. 551,846. Published Oct. 19, 1948. Class 42.

506,775. DYES USED IN THE DYEING OF TEXTILE FIBERS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Apr. 1, 1948, Serial No. 553,578. Published Oct. 26, 1948. Class 6.

506,776. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. LOWE, DONALD AND COMPANY LIMITED, Peebles, Scotland.
Filed Apr. 2, 1948, Serial No. 553,725. Published Oct. 19, 1948. Class 42.

506,777. LIPSTICKS AND NAIL ENAMELS. SCHNEFEL BROS. CORPORATION, Newark, N. J.
Filed Apr. 5, 1948, Serial No. 553,909. Published Oct. 26, 1948. Class 6.

506,778. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,910. Published Oct. 19, 1948. Class 42.

506,779. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,912. Published Oct. 19, 1948. Class 42.

506,780. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,913. Published Oct. 19, 1948. Class 42.

Nov. 2, 1948. Class 6.

19, 1948. Class 6.

506,781. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,914. Published Oct. 19, 1948. Class 42.

506,782. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,915. Published Oct. 19, 1948. Class 42.

506,783. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Apr. 5, 1948, Serial No. 553,917. Published Oct. 19, 1948. Class 42.

506,784. COTTON, RAYON, AND WOOLEN PIECE GOODS. SOFIC CORPORATION, New York, N. Y.
Filed Apr. 9, 1948, Serial No. 554,265. Published Oct. 19, 1948. Class 42.

506,785. RAYON PIECE GOODS. MOORESVILLE MILLS, Mooresville, N. C.
Filed Apr. 13, 1948, Serial No. 554,505. Published Oct. 19, 1948. Class 42.

506,786. SOLUTION WHICH IS AN ESTRUS STIMULATING PRINCIPLE DERIVED FROM THE PLACENTA AND USED AS AN OVARIAN AND SEX STIMULANT. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed May 18, 1948, Serial No. 557,277. Published Oct. 12, 1948. Class 6.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

506,787. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Feb. 21, 1948; originally filed, act of 1905, Dec. 22, 1945, Serial No. 493,825.

Kindlerite

FOR ASBESTOS STOVE WICKING.
Claims use since Oct. 30, 1945.

506,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TED BERGMAN, Miami, Fla. Filed May 10, 1948; originally filed, act of 1905, Apr. 26, 1946, Serial No. 500,939.

The drawing is lined for the colors blue and silver.
FOR BOTTLED PROPANE AND BUTANE GAS.
Claims use since Jan. 23, 1946.

506,789. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VENTURA MANUFACTURING COMPANY, Dubuque, Iowa. Filed Sept. 30, 1948; originally filed, act of 1905, May 2, 1946, Serial No. 501,350.

GERM-O-RAY

FOR FIXTURES FOR GERMICIDAL LAMPS FOR USE IN THE POULTRY AND ANIMAL HUSBANDRY FIELD.
Claims use since Feb. 16, 1946.

506,790. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Sept. 21, 1948; originally filed, act of 1920, Oct. 31, 1946, Serial No. 514,923.

The drawing is lined for the colors red and green.
FOR HORTICULTURAL HORMONE SPRAY FOR FRUIT TREES FOR REDUCING THE PREHARVEST DROP OF FRUIT.
Claims use since June 13, 1940.

506,791. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOCH LABORATORIES, INC., Winona, Minn. Filed Jan. 6, 1948; originally filed, act of 1905, Feb. 5, 1947, Serial No. 516,987.

FOR TABLET DENTIFRICE AND MOUTH FRESHENER.
Claims use since Dec. 28, 1946.

506,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WANDER COMPANY, Chicago, Ill. Filed Mar. 30, 1948; originally filed, act of 1905, Feb. 5, 1947, Serial No. 517,025.

CHEXIT

FOR ANTACID PREPARATION.
Claims use since Nov. 20, 1946.

506,793. (CLASS 19. VEHICLES.) WILSON TRAILER CO. INC., Newport, Calif. Filed Feb. 11, 1948; originally filed, act of 1905, Feb. 10, 1947, Serial No. 517,279.

WILSON

FOR TRAILER DOLLIES.
Claims use since Jan. 21, 1947.

506,794. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALLEN B. WRISLEY COMPANY, Chicago, Ill. Filed Aug. 18, 1947, Serial No. 531,279.

Spruce!

FOR SHAVING SOAP.
Claims use since June 1942.

506,795. (CLASS 12. CONSTRUCTION MATERIALS.) TIMBER STRUCTURES, INC., Portland, Oreg. Filed Sept. 25, 1947, Serial No. 535,772.

AERO-TEE

Applicant claims ownership of registration No. 427,572.
FOR PREFABRICATED AIRPLANE HANGARS MADE PRINCIPALLY OF WOOD.
Claims use since Aug. 15, 1947.

506,796. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR.) CHARLES BERNSTEIN & SON, also doing business as Bernside Mills, New York, N. Y. Filed Oct. 20, 1948, Serial No. 538,089.

THICKORD

Applicant claims ownership of registration No. 401,221.
FOR TEXTILE FABRICS IN PIECE MADE OF WOOL, COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since Oct. 22, 1941.

506,797. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WARD GREEN COMPANY, New York, N. Y. Filed Dec. 16, 1947, Serial No. 544,445.

Interlocking Hands

"of firm Support"

FOR ABDOMINAL SUPPORTERS.
Claims use since Dec. 1, 1940.

506,798. (CLASS 12. CONSTRUCTION MATERIALS.) ARCHIE JOY, doing business as Tri-State Insulation Company, Midland, S. Dak. Filed Jan. 15, 1948, Serial No. 547,127.

Fibre-Wool

FOR GROUND PAPER INSULATION.
Claims use since July 15, 1940.

FIELD.
Claims use since Feb. 16, 1946.

ENER.
Claims use since Dec. 28, 1946.

TRADE-MARK REGISTRATIONS RENEWED

32,438. "WYANDOTTE" AND REPRESENTATION OF NORTH AMERICAN INDIAN. Registered Jan. 31, 1899. Michigan Alkali Company. Re-renewed Jan. 31, 1949, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. SODA ASH, BICARBONATE OF SODA, AND CAUSTIC SODA. Class 6.

71,394. RED CROSS. Registered Nov. 24, 1908. Mohawk Condensed Milk Co., Rochester, N. Y. Re-renewed Nov. 24, 1948, to Mohawk Milk Products Company, Inc., Los Angeles, Calif., a corporation of New York. CONDENSED MILK. Class 46.

71,723. PYRODENTO. Registered Dec. 15, 1908. George A. Swartwout, assignor to Pyro Chemical Company. Re-renewed Dec. 15, 1948, to Laco Products, Inc., Baltimore, Md., a corporation of Maryland. TOOTH-PASTE AND TOOTH-WASH. Class 6.

72,373. LACO. Registered Jan. 19, 1909. Lockwood, Adams and Company, Boston, Mass. Re-renewed Jan. 19, 1949, to Laco Products, Inc., Baltimore, Md., a corporation of Maryland. SOAPS. Class 4.

72,852. ENCAUSTIC. Registered Mar. 2, 1909. The A. Bursdal Company, Indianapolis, Ind., a corporation of Indiana. Re-renewed Mar. 2, 1949. FLOOR-PAINT. Class 16.

73,511. CHALLENGE. Registered Apr. 27, 1909. De-Fi Manufacturing Company, New York, N. Y., a corporation of New York. Re-renewed Apr. 27, 1949. CARBON PAPER. Class 11.

73,640. REPRESENTATION OF A MAN HOLDING A WEIGHT. Registered May 4, 1909. Fred Medart Manufacturing Company. Re-renewed May 4, 1949, to The Medart Company, St. Louis, Mo., a corporation of Missouri. EXERCISING APPARATUS. Class 22.

220,154. "AICOLITE" AND DESIGN. Registered Nov. 2, 1926. American Insulator Corporation, New Freedom, Pa., a corporation of Delaware. Renewed Nov. 2, 1946. INSULATING COMPOSITION MATERIALS FOR THE MANUFACTURE OF ELECTRICAL AND HEAT INSULATION IN MOLDED FORM AND PLASTIC INSULATING COMPOSITIONS. Class 1.

238,654. PAR-LOCK. Registered Feb. 14, 1928. The Vortex Manufacturing Company. Renewed Feb. 14, 1948, to The Vortex Manufacturing Company, Cleveland, Ohio, a corporation of Ohio. LIQUID BITUMINOUS AND SEMILIQUID BITUMINOUS COMPOUNDS AND SEMILIQUID BITUMINOUS COMPOSITIONS, ETC. Class 12.

245,178. "Z" ENCLOSED BY CIRCULAR DESIGN. Registered Aug. 7, 1928. Ceskoslovenska Zbrojovka, akciova spolecnost v Brne, Brunn, Czechoslovakia. Renewed Aug. 7, 1948, to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Brno, Czechoslovakia, a corporation organized under the laws of Czechoslovakia. RIFLES, MACHINE GUNS AND PISTOLS OF ALL CALIBRES AND TYPES, AND PARTS THEREOF, ETC. Class 9.

248,506. MAYCO. Registered Oct. 23, 1928. The May Department Stores Company, St. Louis, Mo., a corporation of New York. Renewed Oct. 23, 1948. RAZOR BLADES. Class 23.

248,669. MAYBILT. Registered Oct. 30, 1928. May Department Stores Company, New York, N. Y. Renewed Oct. 30, 1948, to May Department Stores Company, St. Louis, Mo., a corporation of New York. MEN'S AND BOYS' CLOTHING—NAMELY, OVERCOATS, COATS, VESTS, AND TROUSERS. Class 39.

248,723. "MAY JR." ETC. AND DESIGN. Registered Oct. 30, 1928. May Department Stores Company, New York, N. Y. Renewed Oct. 30, 1948, to May Department Stores Company, St. Louis, Mo., a corporation of New York. BOYS' COATS, VESTS, AND TROUSERS. Class 39.

249,263. ACIDINE. Registered Nov. 13, 1928. W. & H. Walker, Inc., doing business as Health Laboratories, Pittsburgh, Pa. Renewed Nov. 13, 1948, to Consolidated Royal Chemical Corporation, Chicago, Ill., a corporation of Delaware. MEDICINES FOR TREATING ACIDOSIS, INDIGESTION, CONSTIPATION, EXCESS OF ACIDS IN THE STOMACH, ETC. Class 6.

249,486. "SWEDISH MAID" AND DESIGN. Registered Nov. 13, 1928. Aktiebolaget Sveriges Forenade Konservfabriker, Gottenborg, Sweden, a corporation organized under the laws of the Kingdom of Sweden. Renewed Nov. 13, 1948. CANNED FISH. Class 46.

249,552. ELECTRO SQUARES. Registered Nov. 20, 1928. The International Nickel Company. Renewed Nov. 20, 1948, to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware. PIECES OF NICKEL. Class 14.

249,737. "MILURY PRODUCTS" ENCLOSED BY OVAL DESIGN. Registered Nov. 20, 1928. Inter-State Auto Parts Co., Inc., New York, N. Y., a corporation of New York. Renewed Nov. 20, 1948. AUTOMOBILE ACCESSORIES CONSISTING OF ELECTRICAL HORNS, LAMPS, BATTERY CONNECTORS, ETC. Class 21.

249,821. THE HEBREW WORD "ROKEACH". Registered Nov. 20, 1928. I. Rokeach & Sons, Inc., Brooklyn, N. Y., a corporation of New York. Renewed Nov. 20, 1948. ALUMINUM CLEANSER, SCOURING POWDER, STEEL WOOL, AND SOAP. Class 4.

250,303. "WYANDOTTE" AND DESIGN. Registered Dec. 4, 1928. Michigan Alkali Company. Renewed Dec. 4, 1948, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. CALCIUM CHLORIDE. Class 6.

250,381. SINDBAD. Registered Dec. 11, 1928. African & Eastern Trading Co., Incorporated, New York, N. Y., a corporation of New York. Renewed Dec. 11, 1948. DATES IN THE NATURAL STATE. Class 46.

250,492. BRITEWEST. Registered Dec. 11, 1928. Washington Canners Cooperative, Vancouver, Wash., a corporation of Washington. Renewed Dec. 11, 1948. CANNED FRUITS. Class 46.

250,515. "NATIONAL" ETC. AND DIAMOND-SHAPED DESIGN. Registered Dec. 11, 1928. National Ammonia Company, Inc., Philadelphia, Pa. Renewed Dec. 11, 1948, to E. I. du Pont de Nemours and Company, Wilmington, Del., a corporation of Delaware. AMMONIA. Class 6.

250,755. DERMALINE. Registered Dec. 18, 1928. The American Products Company. Renewed Dec. 18, 1948, to Royal Home Products, Inc., Cincinnati, Ohio, a corporation of Virginia. HAND SOAP, FACIAL SOAP, SHAVING CREAM IN PASTE FORM FOR USE BEFORE SHAVING, SHAVING SOAP, AND SHAVING STICK. Class 4.

251,060. "WYANDOTTE" AND DESIGN. Registered Dec. 25, 1928. The J. B. Ford Company. Renewed Dec. 25, 1948, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. SOLVENT CLARIFIER FOR USE IN THE CLEANING TRADE. Class 6.

251,626. "FLUID LIGHT" ETC. AND DESIGN. Registered Jan. 8, 1929. The Gilbert Spruance Company, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Jan. 8, 1949. PAINT ENAMELS AND FLAT PAINTS. Class 16.

251,784. CHAMPION. Registered Jan. 15, 1929. Champion Porcelain Company, Detroit, Mich. Renewed Jan. 15, 1949, to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware. ARTICLES OF REFRACTORY MATERIAL FOR LABORATORY USE—NAMELY, BEAKERS, CASSEROLES, ETC. Class 26.

251,816. "CINDERELLA" AND REPRESENTATION OF WOMAN'S SHOE. Registered Jan. 15, 1929. Blancard & Company, Inc. Renewed Jan. 15, 1949, to Blancard & Company, Inc., New York, N. Y., a corporation of New York. FINGER RINGS. Class 28.

252,046. CAICO IN MONOGRAM DESIGN. Registered Jan. 22, 1929. Cape Ann Isinglass Company, Boston, Mass. Renewed Jan. 22, 1949, to Cape Ann Isinglass Company, Marblehead, Mass., a corporation of Massachusetts. UNPREPARED ISINGLASS NOT USED FOR FOOD PURPOSES. Class 1.

252,105. "A.P.W." AND BACKGROUND DESIGN. Registered Jan. 22, 1929. Albany Perforated Wrapping Paper Company. Renewed Jan. 22, 1949, to A. P. W. Products Company, Inc., Albany, N. Y., a corporation of New York. TOILET PAPER, TISSUE PAPER, CREPE PAPER, AND PAPER TOWELS. Class 37.

252,484. ROLLEX. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, ETC. Class 15.

252,544. RED CLIPPER. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, ETC. Class 15.

252,545. PURON. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS AND GREASES, ETC. Class 15.

252,546. PUROLA. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, ETC. Class 15.

252,550. DARK CLIPPER. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS AND GREASES, ETC. Class 15.

252,565. ALLVIS. Registered Feb. 12, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Feb. 12, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS, ETC. Class 15.

252,682. "WM PENN" ETC. AND DESIGN. Registered Feb. 12, 1929. The Edwin H. Fitler Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Feb. 12, 1949. MANILA ROPE. Class 7.

252,947. "RETRIEVER" AND REPRESENTATION OF DOG'S HEAD. Registered Feb. 19, 1929. Thomas Mills, Inc., High Point, N. C., a corporation of North Carolina. Renewed Feb. 19, 1949. HOSIERY. Class 39.

253,176. PAX. Registered Feb. 19, 1929. G. H. Packwood Mfg. Co., St. Louis, Mo., a corporation of Missouri. Renewed Feb. 19, 1949. POWDERED SOAP PRODUCT THAT HAS ANTISEPTIC PROPERTIES, AND THAT VERY EFFICIENTLY CLEANS THE SKIN OF ALL GREASE, PAINT, DIRT, ETC. Class 4.

253,235. LUCKY STRIKE. Registered Feb. 26, 1929. Chas. W. Priddy & Company, Incorporated, Norfolk, Va., a corporation of Virginia. Renewed Feb. 26, 1949. FERTILIZERS. Class 10.

253,365. WYANDOTTE. Registered Feb. 26, 1929. The J. B. Ford Company. Renewed Feb. 26, 1949, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. SAL SODA FOR USE IN THE CLEANING TRADE. Class 6.

253,366. "WYANDOTTE" AND DESIGN. Registered Feb. 26, 1929. The J. B. Ford Company. Renewed Feb. 26, 1949, to Wyandotte Chemicals Corporation, Wyandotte, Mich., a corporation of Michigan. SAL SODA FOR USE IN THE CLEANING TRADE. Class 6.

254,001. EMPLETS. Registered Mar. 12, 1929. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 12, 1949. ENTERIC-COATED GLAND-PRODUCT TABLETS TO CORRECT ENDOCRINE GLAND DISORDERS, ETC. Class 6.

254,282. BAKING. Registered Mar. 19, 1929. Bakers' Helper Co. Renewed Mar. 19, 1949, to Cilesold Publishing Co., Chicago, Ill., a corporation of Illinois. MAGAZINE ISSUED EVERY OTHER WEEK. Class 38.

254,506. FLUKOIDS. Registered Mar. 26, 1929. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 26, 1949. CARBON TETRACHLORIDE, TO BE USED IN THE TREATMENT OF LIVER FLUKE IN SHEEP. Class 6.

254,507. PITRESSIN. Registered Mar. 26, 1929. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 26, 1949. PRESSOR PRINCIPLE OF THE PITUITARY GLAND, FOR THE TREATMENT OF DIABETES INSIPIDUS, ETC. Class 6.

254,509. CITRONIN. Registered Mar. 26, 1929. Parke, Davis & Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 26, 1949. LIQUID PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND BRONCHIAL AFFECTIONS. Class 6.

254,536. IDEAL. Registered Mar. 26, 1929. The Carter's Ink Company, Cambridge, Mass., a corporation of Massachusetts. Renewed Mar. 26, 1949. TYPEWRITER RIBBONS AND CARBON PAPER. Class 11.

254,699. "DELTA" AND DESIGN. Registered Mar. 26, 1929. H. C. Cole Milling Company, Chester, Ill., a corporation of Illinois. Renewed Mar. 26, 1949. WHEAT FLOUR AND SELF-RISING FLOUR. Class 46.

254,907. DARK POCO. Registered Apr. 2, 1929. The Pure Oil Company, Chicago, Ill., a corporation of Ohio. Renewed Apr. 2, 1949. HYDROCARBON MOTOR-FUEL OILS, LUBRICATING OILS AND GREASES, ETC. Class 15.

255,193. CARNATION. Registered Apr. 16, 1929. Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey. Renewed Apr. 16, 1949. PENCILS AND RUBBER ERASERS. Class 37.

255,329. "NASHOBA" AND REPRESENTATION OF INDIAN HEAD. Registered Apr. 23, 1929. Samson Cordage Works, Boston, Mass., a corporation of Massachusetts. Renewed Apr. 23, 1949. CORDS, LINES, TWINES, AND ROPES. Class 7.

255,434. DURA BOND. Registered Apr. 23, 1929. Penn Metal Company, Cambridge, Mass. Renewed Apr. 23, 1949, to Penn Metal Company, Inc., Boston, Mass., a corporation of Delaware. METAL LATH. Class 12.

255,452. FOCALIPSE. Registered Apr. 23, 1929. The Anderson-Pitt Corporation, Kansas City, Mo. Renewed Apr. 23, 1949, to Bersted Manufacturing Company, Fostoria, Ohio, a corporation of Ohio. RADIANT ELECTRIC HEATERS. Class 21.

255,453. MESHTEX. Registered Apr. 23, 1929. Penn Metal Company, Cambridge, Mass. Renewed Apr. 23, 1949, to Penn Metal Company, Inc., Boston, Mass., a corporation of Delaware. METAL LATHING. Class 12.

255,454. MASTERIB. Registered Apr. 23, 1929. Penn Metal Company, Cambridge, Mass. Renewed Apr. 23, 1949. Penn Metal Company, Inc., Boston, Mass., a corporation of Delaware. METAL LATHING. Class 12.

Reg. No. 368,842. Registered June 13, 1939. AMERICAN

New York. BOYS' COATS, VESTS, AND TROUSERS. Class 39.

NAMELY, BEAKERS, CASSEROLES, ETC. Class 26.

255,511. WHITE CROSS. Registered Apr. 23, 1929. Limonetra Company, Santa Paula, Calif., a corporation of California. Renewed Apr. 23, 1949. FRESH CITRUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. Class 46.

255,648. ARMORPLATE. Registered Apr. 30, 1929. The Jeffrey Manufacturing Company. Renewed Apr. 30, 1949, to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio. PULVERIZING AND CRUSHING APPARATUS. Class 23.

255,662. REPRESENTATION OF FEMALE FIGURE WITHIN OVAL DESIGN. Registered Apr. 30, 1929. Dorothy Gray, New York, N. Y. Renewed Apr. 30, 1949, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware. TOILET PREPARATIONS—NAMELY, POWDERS, CREAMS, LOTIONS, TONICS, OINTMENTS, ETC. Class 6.

255,711. BRYTHGEN. Registered Apr. 30, 1929. G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey. Renewed Apr. 30, 1949. ENDOCRINE STIMULANT TO THE FORMATION OF RED BLOOD CELLS. Class 6.

255,855. "IKE WALTON" ETC. AND REPRESENTATION OF ARROW. Registered Apr. 30, 1929. Hood Rubber Company, Watertown, Mass. Renewed Apr. 30, 1949, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York. RUBBER BOOTS AND SHOES, RUBBER OVERSHOES, RUBBER-SOLED CANVAS SHOES. Class 39.

256,211. RENOWN. Registered May 7, 1929. Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey. Renewed May 7, 1949. PENCILS. Class 37.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

184,958. "CAL-CORN-O". Registered July 22, 1924. Arrowsmith Manufacturing Company, New York, N. Y. PREPARATIONS FOR TREATING, CORRECTING, AND REMOVING GROWTHS ON THE FEET. Class 6. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in lines 1 and 2 of the statement; and in the printed signature to the statement, "Arrowsmith Manufacturing Company" should be *Arrowsmith Mfg. Co. Inc.*

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(c) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 281,566. Registered Mar. 24, 1931. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

COIN DES FLEURS

The word "Fleurs" is disclaimed apart from the mark as shown.

FOR GROWING PLANTS AND CUT FLOWERS.

Claims use since Oct. 22, 1930.

Reg. No. 295,146. Registered June 21, 1932. TRAUX-TRAER COAL COMPANY, Chicago, Ill., a corporation of Delaware. Republished by registrant.

The word "Coal" is disclaimed apart from the mark as shown.

FOR COAL.

Claims use since Jan. 1, 1930.

Reg. No. 313,865. Registered June 12, 1934. "IDEAL" TANNERIE DE WILTZ S. A., Wiltz, Luxemburg, a company of Luxemburg. Republished by registrant.

The words "Tannerie de Cuir Wiltz" are disclaimed apart from the mark as shown.

FOR LEATHER AND TANNED SKINS.

Claims use since Aug. 2, 1930.

Reg. No. 338,833. Registered Sept. 15, 1936. CORK MANUFACTURING CO. LTD., London, England, a company organised under laws of Great Britain. Republished by registrant.

LANGITEX

FOR COMPOSITION CORK SOLD IN SHEETS, SLABS, RODS, AND TUBES FOR INDUSTRIAL PURPOSES.

Claims use since August 1935.

Reg. No. 381,243. Registered Sept. 17, 1940. A. H. Ross & Sons Co., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Cheveaux

FOR LEATHER.

Claims use since Jan. 27, 1940.

Reg. No. 385,031. Registered Feb. 11, 1941. MARIGOLD COAL MINING COMPANY, Jasper, Ala., a corporation of Delaware. Republished by registrant.

FOR COAL.

Claims use since on or about Aug. 17, 1940.

Reg. No. 402,165. Registered July 6, 1943. SOONER COAL MINING COMPANY, Kansas City, Mo., a corporation of Oklahoma. Republished by registrant.

The word "Coal" is disclaimed apart from the mark as shown.

FOR COAL.

Claims use since on or about Feb. 27, 1942.

CLASS 2

RECEPTACLES

Reg. No. 286,516. Registered Sept. 1, 1931. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

The words "Milwaukee, U. S. A." are disclaimed apart from the mark as shown.

FOR CAST PAPER PULP CUPS.

Claims use since Mar. 26, 1931.

Reg. No. 368,242. Registered June 13, 1939. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

The wording is disclaimed apart from the mark as shown.

FOR PAPER BAKING CUPS, PAPER BUTTER CHIPS, PAPER CANDY CUPS, PAPER CHOP HOLDERS, PAPER DRINKING CUPS, ECLAIR CASES, PAPER FINGER BOWL LINERS, PAPER CUPS AND CONTAINERS, PAPER RAMEKINS, AND PAPER SUNDAE DISH LINERS.

Claims use since February 1936.

Reg. No. 379,852. Registered July 30, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR COTTON, BURLAP, AND PAPER BAGS, CARTONS, LAUNDRY, GARMENT AND SHOPPING BAGS; PAPER CUPS, METAL POCKET FLASKS; PENCIL BOXES, POWDER BOXES AND TOOL CABINETS SOLD EMPTY IN THE TRADE; CARDBOARD HAT BOXES; CARDBOARD AND METAL SHOE BOXES; SHOE BAGS; FIBREBOARD AND WOOD PACKING CASES; WOOD AND PAPER DISHES, PAPER BOTTLES, BREAD BOXES, VANITY BOXES, MAILING TUBES, WASTE BASKETS, CLOTHES HAMPERS, METAL CORN CRIBS, METAL AND WOOD KEGS AND BARRELS, METAL PAILS AND BUCKETS, COAL SCUTTLES, EGG CRATES, EGG CARRIERS, STORAGE TANKS, GASOLINE TANKS, METAL WATER TANKS, OIL CANS, SPRINKLING CANS, MILK CANS, LIVESTOCK TROUGHS, MEDICINE CHESTS, SILOS, VACUUM BOTTLES AND JARS, HAVERSACKS, BURIAL CASKETS, BURIAL VAULTS, BIRD CAGES, METAL MAIL BOXES, AND GRAIN BINS.

Claims use since December 1929.

Reg. No. 391,938. Registered Dec. 2, 1941. BRULIN &

Claims use since Jan. 1, 1930.

Claims use since August 1935.

Reg. No. 383,435. Registered Dec. 10, 1940. BLACK, SIVALLS & BRYSON, INC., Oklahoma City, Okla., a corporation of Maine. Republished by registrant.

EFFICIENCY BS&B RELIABILITY

The words "Efficiency" and "Reliability" are disclaimed apart from the mark as shown.

FOR TANKS — NAMELY, WOODEN STORAGE TANKS, BOLTED STORAGE TANKS, WELDED STORAGE TANKS, PRESSURE STORAGE TANKS, BULK STATION TANKS, FILLING STATION TANKS, TREATING TANKS, AND STOCK TANKS.

Claims use since on or about May 25, 1937.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 189,727. Registered Sept. 23, 1924. WHEARY-BURGS TRUNK COMPANY, Racine, Wis. Republished by Wheary Incorporated, Racine, Wis., a corporation of Wisconsin.

WHEARY Cushioned Top WARDROBE W WHEARY TRUNK CO. RACINE WISCONSIN

The words "Cushioned Top," "Wardrobe," and "Racine, Wisconsin," are disclaimed apart from the mark as shown.

FOR TRUNKS.

Claims use since Dec. 15, 1922.

Reg. No. 224,099. Registered Feb. 15, 1927. WHEARY TRUNK COMPANY, Racine, Wis. Republished by Wheary Incorporated, Racine, Wis., a corporation of Wisconsin.

WARDROLETTE

FOR WARDROBE TRUNKS AND CASES.

Claims use since about Aug. 26, 1926.

Reg. No. 379,697. Registered July 23, 1940. STEIN BROS. MFG. CO. INC., Chicago, Ill. Republished by Stein Bros. Mfg. Co., Chicago, Ill., a corporation of Illinois.

Visualope

FOR PORTFOLIOS.

Claims use since May 1939.

Reg. No. 381,585. Registered Oct. 1, 1940. STEIN BROS. MFG. CO. INC., Chicago, Ill. Republished by Stein Bros. Mfg. Co., Chicago, Ill., a corporation of Illinois.

SALESFOTO Visualizer

FOR PORTFOLIOS.

Claims use since April 1938.

Reg. No. 432,670. Registered Sept. 9, 1947. STEIN BROS. MFG. CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Stelco

The representations of the suitcase and brief case are disclaimed apart from the mark as shown.

FOR ZIPPER ENVELOPES, ZIPPER BAGS, PORTFOLIOS, TRAVELING BAGS, SUIT CASES, DOCUMENT CASES, BRIEF CASES, FRAME-OPENING BRIEF BAGS, ZIPPER OPENING BRIEF BAGS, ZIPPER RING BINDERS, AND A PORTFOLIO WITH ACETATE ENVELOPES.

Claims use since Oct. 1, 1937.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 360,644. Registered Sept. 20, 1938. F. W. WOOLWORTH CO., Watertown and New York, N. Y., a corporation of New York. Republished by registrant.

Cold Cream Soap

The drawing is lined for purple. The words "Cold Cream Soap" are disclaimed apart from the mark as shown.

FOR COLD CREAM SOAP.

Claims use since June 6, 1932.

Reg. No. 363,881. Registered Jan. 10, 1939. J. B. ROSENFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Republished by An-Fo Manufacturing Co., Oakland, Calif., a co-partnership.

ALERT FOR DIRT

The words "For Dirt" are disclaimed apart from the mark as shown.

FOR CLEANSER IN LIQUID FORM FOR PAINTED SURFACES, ENAMELED SURFACES, FLOORS, RUGS, CARPETS, AND THE LIKE.

Claims use since Aug. 5, 1938.

Reg. No. 370,245. Registered Aug. 22, 1939. JOHN B. ROSENFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Republished by An-Fo Manufacturing Co., Oakland, Calif., a co-partnership.

DISHADU

FOR DISH-WASHING PREPARATION.

Claims use since Feb. 15, 1939.

Reg. No. 377,731. Registered May 14, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR EMERY CLOTH, EMERY WHEELS, SAND PAPER, STEEL WOOL, ABRASIVE POLISH, ABRASIVE POWDERS, LAUNDRY, TOILET AND MEDICATED SOAPS, SWEEPING COMPOUND, BELT DRESSING, STOVE BLACKENING, STOVE ENAMEL, STOVE-PIPE ENAMEL, SHOE POLISH, LEATHER DRESSING, PREPARATION FOR WATERPROOFING LEATHER, CHEMICALLY TREATED POLISHING MITTENS, PREPARED POLISHING CLOTHS, BUFFING WHEELS, GLASS CLEANER, CLOTHES CLEANERS, FLOOR SWEEPING COMPOUNDS, WASHING POWDER, SHAVING SOAP, SOAP CHIPS, GRINDSTONES, PUMICE STONE, HONES, OIL STONES, METAL CLEANER AND POLISH, RAZOR STROPS, SCOURING SOAP, ROAD TAR REMOVER, BRAKE DRESSING, TOP DRESSING, VALVE GRINDING COMPOUND AND TOILET AND WASH BOWL CLEANER.

Claims use since December 1929.

Reg. No. 391,936. Registered Dec. 2, 1941. BRULIN & COMPANY, INC., Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

OCTO-SOLVE

FOR CLEANING COMPOUND, FOR CLEANING FLOORS, WOODWORK, PAINTED WALLS, AND ANY SURFACE ON THE INTERIOR OR EXTERIOR OF THE BUILDING.

Claims use since July 1, 1939.

Reg. No. 402,007. Registered June 22, 1943. MEINECKE & COMPANY, New York, N. Y., a corporation of New Jersey. Republished by registrant.

HAEMO-SOL

FOR LIQUID CLEANSING COMPOSITION FOR SURGICAL INSTRUMENTS.

Claims use since Jan. 8, 1943.

Reg. No. 405,751. Registered Feb. 22, 1944. WILLIAM F. BOYER, Philadelphia, Pa. Republished by registrant.

THE GEM

FOR SHOE POLISH.

Claims use since Aug. 1, 1920.

Reg. No. 430,254. Registered June 10, 1947. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

HAMITERGE

FOR COMPOUND FOR GENERAL CLEANING OF WINDOWS, WOODWORK, RUGS, AND FOR SCOURING TEXTILES.

Claims use since Feb. 20, 1946.

Reg. No. 435,252. Registered Dec. 16, 1947. THE STEVENS-WILEY MANUFACTURING CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

WOOL-RAY

The word "Wool" is disclaimed apart from the mark as shown.

FOR WASHING POWDER FOR WOOLENS, RAYONS, SILKS, AND NYLONS.

Claims use since Oct. 3, 1946.

Reg. No. 435,525. Registered Dec. 30, 1947. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

POTENTOL

FOR LIQUID, NEUTRAL, NON-IONIC DETERGENT AND WETTING AGENT FOR SCOURING TEXTILES.
Claims use since Dec. 18, 1946.

Reg. No. 435,763. Registered Jan. 6, 1948. HUNTINGTON LABORATORIES, INC., Huntington, Ind., a corporation of Indiana. Republished by registrant.

POR-SAN

FOR POWDERED CLEANSER FOR USE ON PORCELAIN SURFACES.
Claims use since Aug. 15, 1944.

CLASS 5

ADHESIVES

Reg. No. 45,231. Registered Aug. 8, 1905. MCCORMICK & COMPANY, Baltimore, Md. Republished by McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland.

IRON GLUE

FOR GLUE.
Claims use since June 1889.

Reg. No. 435,666. Registered Jan. 6, 1948. THE KENDALL COMPANY, Walpole, Mass., a corporation of Massachusetts. Republished by registrant, present address Boston, Mass.

POLYKEN

FOR PRESSURE SENSITIVE ADHESIVE TAPE.
Claims use since Sept. 25, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 37,452. Registered Dec. 10, 1901. THE J. B. WILLIAMS COMPANY, Glastenbury, Conn. Republished by The Andrew Jergens Company, Cincinnati, Ohio, a corporation of Ohio.

COQUETTE

FOR HAIR AND BEARD PREPARATIONS, WITH THE EXCEPTION OF SOAP.
Claims use since on or about July 1, 1901.

Reg. No. 126,229. Registered Aug. 5, 1919. ARCHIE H. KIMA, Raleigh, N. C. Republished by D. Henry Allen, doing business as National Hog Medicine Co., Raleigh, N. C.

The word "Brand" is disclaimed apart from the mark as shown.
FOR MEDICINAL PREPARATION USED AS A GENERAL CONDITIONER AND TONIC FOR HOGS.
Claims use since Feb. 15, 1919.

Reg. No. 152,289. Registered Feb. 21, 1922. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

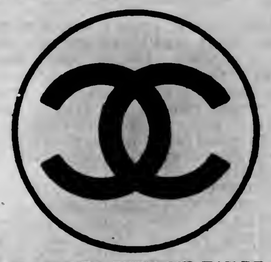
FOR PERFUMES, SACHETS, TOILET WATERS, FACE POWDERS, AND TALCUM POWDERS.
Claims use since Feb. 5, 1909.

Reg. No. 178,317. Registered Jan. 8, 1924. JOSEPH TRINER COMPANY, Chicago, Ill. Republished by Joseph Triner Corporation, Chicago, Ill., a corporation of Illinois.

FLI-GASS

FOR LIQUID PREPARATION FOR THE EXTERMINATION OF FLIES AND MOSQUITOES.
Claims use since June 4, 1923.

Reg. No. 195,359. Registered Feb. 24, 1925. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR FACE POWDER, PERFUME, EAU DE COLOGNE, TOILET WATER, AND LIPSTICK.
Claims use since about Jan. 1, 1920.

Reg. No. 201,586. Registered Aug. 4, 1925. A. S. HINDS, Portland, Maine. Republished by Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware.

HINDS CREAM

FOR CREAM FOR THE FACE, HANDS, SKIN, AND COMPLEXION.
Claims use since December 1876.

Reg. No. 210,785. Registered Mar. 23, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 14

FOR PERFUME.
Claims use since January 1922.

Reg. No. 210,787. Registered Mar. 23, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 55

FOR PERFUME.
Claims use since January 1922.

Reg. No. 215,477. Registered July 20, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 27

FOR PERFUME.
Claims use since Jan. 1, 1921.

Reg. No. 215,555. Registered July 20, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 2

FOR PERFUME.
Claims use since Jan. 1, 1921.

Reg. No. 215,557. Registered July 20, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 11

FOR PERFUME.
Claims use since Jan. 1, 1921.

Reg. No. 215,558. Registered July 20, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 20

FOR PERFUME.
Claims use since Jan. 1, 1921.

Reg. No. 215,559. Registered July 20, 1926. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 21

FOR PERFUME.
Claims use since Jan. 1, 1921.

Reg. No. 228,284. Registered May 31, 1927. CHARLES SCHUMANN, Hunter, N. Y. Republished by Frances Schumann, Hunter, N. Y.

Dyspeptol

FOR MEDICAL PREPARATIONS FOR THE TREATMENT OF DIGESTIVE AILMENTS.
Claims use since Aug. 1, 1924.

Reg. No. 230,121. Registered July 12, 1927. WILLIS R. POWELL, doing business as Fenole Chemical Company, Jacksonville, Fla. Republished by registrant.

FLYLAK

FOR INSECTICIDES.
Claims use since on or about Mar. 18, 1927.

Reg. No. 233,371. Registered Sept. 27, 1927. LUCIEN LELONG, Paris, France. Republished by Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois.

Lucien Lelong

FOR PERFUMES, TOILET WATERS, COMPLEXION POWDERS, CREAMS FOR THE SKIN, ASTRINGENT LOTIONS FOR THE SKIN, EAU DE COLOGNE, LIQUIDS FOR SOFTENING AND NOURISHING THE SKIN, BEAUTY CREAM, ROUGE, LIP PASTE AND LIP STICKS.
Claims use since August 1924.

Reg. No. 233,406. Registered Sept. 27, 1927. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No. 22

FOR PERFUME AND TOILET WATER.
Claims use since January 1922.

Reg. No. 254,799. Registered Apr. 2, 1929. OTTMAR M. KREMBS, doing business as Krembs & Company, Chicago, Ill. Republished by registrant.

FLUXINE

FOR BRAZING FLUX.
Claims use since 1894.

FOR HAIR AND BEARD PREPARATIONS, WITH THE EXCEPTION OF SOAP.
Claims use since on or about July 1, 1901.

FOR PERFUME, TOILET WATER, AND LIPSTICK.
Claims use since about Jan. 1, 1920.

FOR PERFUME.
Claims use since Jan. 1, 1921.

Claims use since 1894.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 435,901. Registered Jan. 13, 1948. TIPPECANOE NOVELTY CORPORATION, Lafayette, Ind., a corporation of Indiana. Republished by registrant.

CIG-ETTE

FOR CIGARETTE SERVERS FOR TABLE USE.
Claims use since Sept. 3, 1946.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Reg. No. 266,163. Registered Jan. 14, 1930. BALFOUR GUTHRIE & CO., San Francisco, Calif. Republished by Balfour, Guthrie & Co., Limited, San Francisco, Calif., a corporation of Delaware.

FOR FIRECRACKERS.
Claims use since on or about July 5, 1929.

Reg. No. 396,454. Registered July 21, 1942. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of District of Columbia.

FOR MATCHES, DYNAMITE, FUSES, BLASTING CAPS, FIRE CRACKERS, FIREWORKS, AIR RIFLES, RIFLES AND PARTS THEREOF, SHOT GUNS AND PARTS THEREOF, REVOLVERS, CARTRIDGES, SHOT GUN SHELLS, SHOT GUN SHELL VESTS AND BELTS, CARTRIDGE BELTS, LEATHER AND CANVAS GUN CASES, AND HOLSTERS.
Claims use since December 1929.

CLASS 12

CONSTRUCTION MATERIALS

Reg. No. 83,943. Registered Oct. 24, 1911. JOHN M. RAUHOFF, Chicago, Ill. Republished by Ironite Company, Chicago, Ill., a corporation of Illinois.

IRONITE

FOR COMPOSITION TO BE APPLIED TO CEMENT AND CONCRETE STRUCTURES, SUCH AS WALLS, FLOORS, ROOFING-SLABS, TILE, BUILDING-BLOCKS, AND BRICK FOR THE PURPOSE OF RENDERING THE SAME PROOF AGAINST THE ABSORPTION OF WATER OR MOISTURE.
Claims use since August 1906.

Reg. No. 265,548. Registered Dec. 31, 1929. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

PX-33

FOR REFRACTORY FIRE-BRICK MATERIAL—NAMELY, GROUND FIRE CLAY MIXED WITH CALCINED CLAY AND WATER SO AS TO FORM A PLASTIC FIRECLAY MATERIAL FOR CONSTRUCTION PURPOSES.
Claims use since July 10, 1929.

Reg. No. 286,555. Registered Sept. 1, 1931. THE FLEXWOOD COMPANY, Chicago, Ill. Republished by The Flexwood Company, Chicago, Ill., a corporation of Illinois.

flexwood

FOR FABRIC BACKED WOOD VENEER.
Claims use since May 28, 1930.

Reg. No. 291,462. Registered Feb. 9, 1932. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

ROXSET

FOR REFRACTORY HIGH TEMPERATURE CEMENT.
Claims use since Sept. 18, 1931.

Reg. No. 329,690. Registered Nov. 5, 1935. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

HI-CAST

The word "Cast" per se is disclaimed apart from the mark as shown.
FOR REFRACTORY CONCRETE.
Claims use since Apr. 14, 1933.

Reg. No. 369,564. Registered Aug. 1, 1939. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

TRAFFIC TOP

FOR SATURATED FIBER BOARD.
Claims use since Sept. 30, 1937.

Reg. No. 385,860. Registered Mar. 18, 1941. G. & W. H. CORSON, Plymouth Meeting, Pa., a corporation of Delaware. Republished by registrant.

CORSON'S Miracle

The name "Corson's" is disclaimed apart from the mark as shown.
FOR CONSTRUCTION LIME.
Claims use since July 28, 1939.

Reg. No. 386,236. Registered Apr. 1, 1941. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

DFC Cello-Cast

The word "Cast" is disclaimed apart from the mark as shown.
FOR LIGHT-WEIGHT REFRACTORY CONCRETE.
Claims use since July 11, 1940.

Reg. No. 387,653. Registered May 27, 1941. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

DFC Zephyr

FOR INSULATING BRICK.
Claims use since July 11, 1940.

Reg. No. 388,896. Registered July 15, 1941. CHARLES A. MEADE, Poughkeepsie, N. Y. Republished by registrant.

HOLOBOND

FOR BRICKS, BLOCKS, AND HOLLOW TILES.
Claims use since Dec. 1, 1940.

Reg. No. 400,822. Registered Apr. 6, 1943. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

LOCRETE

FOR EXPANDED SLAG AGGREGATE.
Claims use since Oct. 26, 1941.

Reg. No. 402,564. Registered Aug. 3, 1943. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CELOCRETE

FOR BUILDING BLOCKS, COMPRISING AGGREGATE AND CEMENTITIOUS BINDER.
Claims use since Dec. 10, 1941.

Reg. No. 411,665. Registered Jan. 30, 1945. THE CELOTEX CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant.

CELO-ROCK

The word "Rock" is disclaimed apart from the mark as shown.
FOR GYPSUM PLASTER AND GYPSUM BOARD PRODUCTS—NAMELY, WALL PLASTERS COMPRISING CALCINED GYPSUM AS THEIR PRINCIPAL INGREDIENT—AND GYPSUM BOARD.
Claims use since April 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 304,990. Registered July 25, 1933. GLOBE AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SAVEALL

FOR AUTOMATIC SPRINKLERS OF THE WATERFLOW TYPE, AUTOMATIC SPRINKLER SYSTEMS OF THE WATERFLOW TYPE, WATERFLOW ALARM VALVES AND PLAIN DRY PIPE VALVES, ALL FOR FIRE EXTINGUISHING PURPOSES.
Claims use since Dec. 23, 1927.

Reg. No. 329,711. Registered Nov. 5, 1935. CENTURY METALCRAFT CORPORATION, Chicago, Ill., a corporation of Delaware. Republished by registrant, present address Los Angeles, Calif.

CENTURY Silver-Seal METALCRAFT CORPORATION

FOR HEAVY CAST METAL SAUCE PANS, ROASTERS, CASSEROLES, PANS, FRY PANS, KETTLES, COFFEE-POTS, TEA KETTLES, BOWLS, TRAYS, GRIDDLE GRILLS, BAKERS, SERVING PLATTERS, BOWLS AND DISHES.
Claims use since July 28, 1933.

Reg. No. 330,500. Registered Dec. 3, 1935. SACKS-BARLOW FOUNDRIES, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

FIXO

FOR TOE, HEEL, AND SOLE PLATES FOR BOOTS AND SHOES.
Claims use since about Sept. 13, 1914.

Reg. No. 333,329. Registered Mar. 17, 1936. SACKS-BARLOW FOUNDRIES, INC., Newark, N. J., a corporation of New Jersey. Republished by registrant.

EAGLE

FOR HEEL, TOE, AND SOLE PLATES FOR BOOTS AND SHOES.
Claims use since Nov. 6, 1933.

Ser. No. 344,380. Registered Mar. 23, 1937. CONTINENTAL SCREW COMPANY, New Bedford, Mass., a corporation of Massachusetts. Republished by registrant.

HOLTITE

FOR SCREWS OF THE FOLLOWING NATURE: WOOD, LAG, CAP, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since Mar. 29, 1923.

Reg. No. 386,026. Registered Mar. 25, 1941. FAULTLESS CASTER CORPORATION, Evansville, Ind., a corporation of Indiana. Republished by registrant.

CONDUX

FOR CASTER WHEELS FOR FURNITURE CASTER STRUCTURES.
Claims use since Sept. 6, 1940.

Reg. No. 411,571. Registered Jan. 23, 1945. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

GIANT POWER SPRING WASHERS

The words "Power Spring Washers" are disclaimed apart from the mark as shown.
FOR SPRING WASHERS.
Claims use since May 20, 1944.

Reg. No. 414,317. Registered June 5, 1945. CONTINENTAL SCREW COMPANY, New Bedford, Mass., a corporation of Massachusetts. Republished by registrant.

Continental

FOR FASTENINGS OF THE FOLLOWING NATURE: SCREWS—WOOD, LAG, CAP, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since 1904.

Reg. No. 419,288. Registered Feb. 12, 1946. TRENT TUBE MANUFACTURING CO., East Troy, Wis., a corporation of Wisconsin. Republished by registrant.

The drawing is lined to indicate the color red.
FOR METAL TUBING.
Claims use since Sept. 10, 1943.

Reg. No. 435,444. Registered Dec. 30, 1947. TRENT TUBE MANUFACTURING CO., East Troy, Wis., a corporation of Wisconsin. Republished by registrant.

TRENTWELD

FOR METAL TUBING.
Claims use since June 12, 1945.

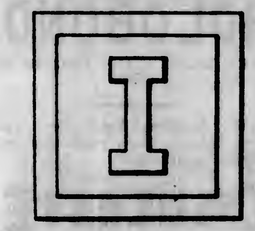
CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Reg. No. 120,320. Registered Feb. 5, 1918. THE AJAX METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR INGOTS AND BABBITT METAL.
Claims use since about July 1, 1881.

Reg. No. 156,690. Registered July 11, 1922. IOWA MALLEABLE IRON COMPANY, Fairfield, Iowa, a corporation of Iowa. Republished by registrant.



FOR MALLEABLE-IRON CASTINGS.
Claims use since Oct. 1, 1918.

Reg. No. 371,713. Registered Oct. 3, 1939. GENERAL STEEL WAREHOUSE CO., INC., New York, N. Y., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

GENSCO

FOR HIGH CARBON SPRING METAL, METAL STRIP, AND WIRE.
Claims use since Jan. 2, 1938.

Reg. No. 415,104. Registered July 10, 1945. THE AJAX METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

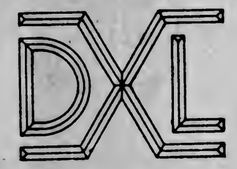
TOMBASIL

FOR COPPER BASE ALLOYS CONTAINING SILICON.
Claims use since about April 1930.

Reg. No. 435,552. Registered Dec. 30, 1947. MID-WESTERN DIE CASTING CO., Chicago, Ill., a partnership. Republished by registrant.

FOR DIE CAST PARTS.
Claims use since Mar. 1, 1947.

Reg. No. 436,224. Registered Jan. 27, 1948. ATLANTIC STEEL COMPANY, Atlanta, Ga., a corporation of Delaware. Republished by registrant.



FOR FORGINGS.
Claims use since Oct. 15, 1945.

CLASS 15

OILS AND GREASES

Reg. No. 306,377. Registered Sept. 19, 1933. SUNRAY OIL CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant, present address Tulsa, Okla.

The words "Natural Power Oils" are disclaimed apart from the mark as shown.
FOR LUBRICATING OILS AND GREASES.
Claims use since Nov. 1, 1930.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Reg. No. 233,524. Registered Oct. 4, 1927. VARNISH PRODUCTS CO., Brooklyn, N. Y. Republished by Dutch Masters Paint & Varnish Company, Brooklyn, N. Y.

DUTCH MASTERS

FOR READY-MIXED PAINTS AND VARNISHES.
Claims use since Nov. 11, 1926.

Reg. No. 329,821. Registered Nov. 12, 1935. GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

Permatone

FOR WOOD STAINS.
Claims use since July 1, 1930.

Reg. No. 371,714. Registered Oct. 3, 1939. GENERAL STEEL WAREHOUSE CO., INC., New York, N. Y., a corporation of Illinois. Republished by registrant, present address Chicago, Ill.

GENSCO

FOR HIGH CARBON SPRING METAL, METAL STRIP, AND WIRE.
Claims use since Jan. 2, 1938.

Reg. No. 415,105. Registered July 10, 1945. THE AJAX METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

TOMBARIUM

FOR COPPER BASE ALLOYS CONTAINING SILICON.
Claims use since about April 1930.

Reg. No. 435,553. Registered Dec. 30, 1947. MID-WESTERN DIE CASTING CO., Chicago, Ill., a partnership. Republished by registrant.

FOR DIE CAST PARTS.
Claims use since Mar. 1, 1947.

Reg. No. 436,225. Registered Jan. 27, 1948. ATLANTIC STEEL COMPANY, Atlanta, Ga., a corporation of Delaware. Republished by registrant.

FOR FORGINGS.
Claims use since Oct. 15, 1945.

Reg. No. 436,226. Registered Jan. 27, 1948. ATLANTIC STEEL COMPANY, Atlanta, Ga., a corporation of Delaware. Republished by registrant.

FOR FORGINGS.
Claims use since Oct. 15, 1945.

FOR FASTENINGS OF THE FOLLOWING NATURE: SCREWS—WOOD, LAG, CAP, AND ALL THE OTHER ITEMS NAMED IN THE REGISTRATION.
Claims use since 1904.

FOR MALLEABLE-IRON CASTINGS.
Claims use since Oct. 1, 1918.

FOR FORGINGS.
Claims use since Oct. 15, 1945.

FOR WOOD STAINS.
Claims use since July 1, 1930.

Reg. No. 358,787. Registered July 26, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR READY MIXED PAINTS, VARNISHES, AND PAINT ENAMELS.
Claims use since 1928.

Reg. No. 373,618. Registered Dec. 12, 1939. GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

GUARDSMAN

FOR GENERAL INDUSTRIAL FINISHES—NAMELY, VARNISHES, READY-MIXED PAINTS, PAINT ENAMEL, AND LACQUERS.
Claims use since July 20, 1939.

Reg. No. 387,252. Registered May 13, 1941. INERTOL CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Newark, N. J.

RAMUC

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Nov. 16, 1934.

Reg. No. 387,354. Registered May 13, 1941. INERTOL CO., INC., New York, N. Y., a corporation of New York. Republished by registrant, present address Newark, N. J.

TOREX

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Sept. 10, 1938.

Reg. No. 394,796. Registered Apr. 28, 1942. INERTOL CO., INC., Newark, N. J., a corporation of New York. Republished by registrant.

GARANTOL

FOR NON-DRYING PAINT USED AS A WATERPROOFING AND PROTECTIVE COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Sept. 26, 1941.

Reg. No. 402,589. Registered Aug. 3, 1943. INERTOL CO., INC., Newark, N. J., a corporation of New York. Republished by registrant.

RIGORTEX

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Jan. 7, 1943.

Reg. No. 402,715. Registered Aug. 10, 1943. INERTOL CO., INC., Newark, N. J., a corporation of New York. Republished by registrant.

GLAMORTEX

FOR WATERPROOFING AND PROTECTIVE PAINT OR ENAMEL COATING FOR CONCRETE, STEEL, WOOD, PLASTER, MASONRY, AND METAL SURFACES IN GENERAL.
Claims use since Dec. 28, 1942.

Reg. No. 417,867. Registered Nov. 20, 1945. C-Z CHEMICAL COMPANY, Beloit, Wis. Republished by Allied Home Products Corporation, Beloit, Wis., a corporation of Wisconsin.

DUST TREAT

The word "Dust" is disclaimed apart from the mark as shown.
FOR SPRAY OIL AND POLISH FOR USE ON FLOORS, FURNITURE AND WOODWORK.
Claims use since on or about Feb. 20, 1941.

Reg. No. 422,772. Registered Aug. 13, 1946. GRAND RAPIDS VARNISH CORPORATION, Grand Rapids, Mich., a corporation of Michigan. Republished by registrant.

Guardsman CLEANING POLISH

The words "Cleaning Polish" are disclaimed apart from the mark as shown.
FOR CLEANING POLISH FOR FURNITURE, AUTOMOBILES, AND FINISHED SURFACES GENERALLY.
Claims use since Sept. 1, 1945.

CLASS 17
TOBACCO PRODUCTS

Reg. No. 377,941. Registered May 21, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF.
Claims use since December 1929.

Reg. No. 435,924. Registered Jan. 13, 1948. CHRISTIAN PETER TOBACCO COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

FOREST ROSE

FOR SMOKING TOBACCO.
Claims use since 1903.

CLASS 19
VEHICLES

Reg. No. 402,246. Registered July 13, 1943. A. S. CAMPBELL CO., INC., East Boston, Mass., a corporation of Massachusetts. Republished by registrant.

NOJAX

FOR DOLLY TRUCKS FOR RECEIVING THE WHEEL OF A VEHICLE TO SUPPORT THE LATTER.
Claims use since June 2, 1941.

Reg. No. 425,955. Registered Dec. 10, 1946. ROBINS-BERKE CO., Norwalk, Conn., assignor to The Roberk Co. Republished by The Roberk Company, Norwalk, Conn., a corporation of Connecticut.

TORS

FOR REAR VISION MIRRORS AND PARTS THEREFOR, EXHAUST PIPE GAS DEFLECTORS, AND GAS TANK CAPS.
Claims use since August 1945.

CLASS 20
LINOLEUM AND OILED CLOTH

Reg. No. 319,427. Registered Nov. 27, 1934. CONGOLEUM NAIRN INC., Kearny, N. J., a corporation of New York. Republished by registrant.

UTILITY

FOR FELT BASE RUGS, MATS, AND FLOOR COVERING.
Claims use since February 1926.

CLASS 21
ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 416,392. Registered Sept. 11, 1945. THE AJAX METAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

AJAX

FOR ELECTRIC FURNACES.
Claims use since 1915.

Reg. No. 418,361. Registered Dec. 18, 1945. ESSEX WIRE CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

RBM

FOR ELECTRICAL SWITCHES, RELAYS, SOLENOIDS, VOLTAGE REGULATORS, FUSE BLOCKS, RESISTORS, AND TERMINALS.
Claims use since Mar. 1, 1941.

Reg. No. 421,184. Registered May 21, 1946. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J., a corporation of New Jersey. Republished by registrant.

FOR ELECTRIC MOTORS.
Claims use since January 1944.

METAL SURFACES IN GENERAL.
Claims use since Sept. 26, 1941.

MOBILES, AND FINISHED SURFACES GENERALLY.
Claims use since Sept. 1, 1945.

Claims use since August 1945.

619 O. G.—44

Reg. No. 428,996. Registered Apr. 15, 1947. ESSEX WIRE CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

WIRE SX PRODUCTS

The words "Wire Products" are disclaimed apart from the mark as shown.
FOR ELECTRICAL CONDUCTING WIRE.
Claims use since Mar. 1, 1930.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Reg. No. 336,461. Registered July 7, 1936. THE KILGORE MANUFACTURING COMPANY, Westerville, Ohio, a corporation of Ohio. Republished by registrant.

G-MAN

FOR TOY PISTOLS.
Claims use since June 1, 1935.

Reg. No. 390,568. Registered Sept. 30, 1941. QUIZ KIDS, INC., Chicago, Ill., assignor to Louis G. Cowan. Republished by Louis G. Cowan, New York, N. Y.

TRADE MARK

QUIZ KIDS

The words "Trade-Mark" are disclaimed apart from the mark as shown.
FOR QUESTION AND ANSWER GAMES, CARD GAMES, TABLE BOARD GAMES, COUNTER GAMES, AND DICE GAMES.
Claims use since June 24, 1940.

Reg. No. 432,128. Registered Aug. 19, 1947. AMERICAN METALCRAFT CORPORATION, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Roadster

FOR TOY SCOOTERS.
Claims use since Mar. 10, 1946.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 399,017. Registered Dec. 8, 1942. THE UNIVERSAL MILKING MACHINE COMPANY, Waukesha, Wis. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

"Calf Nose"

FOR MILKING MACHINES, INCLUDING PARTS AND APPURTENANCES THEREOF—NAMELY, PULSATORS, TEAT CUP INFLATIONS, TEAT CUP SHELLS, TEAT CUP CLAWS, RECEIVERS, AND PUMPS.
Claims use since Nov. 13, 1941.

Reg. No. 428,895. Registered Apr. 8, 1947. THE V & O PRESS COMPANY, INCORPORATED, Hudson, N. Y. Republished by Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

FOR POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS.
Claims use since December 1923.

Reg. No. 428,896. Registered Apr. 8, 1947. THE V & O PRESS COMPANY, INCORPORATED, Hudson, N. Y. Republished by Rockwell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania.

FOR POWER PRESSES, BENCH PRESSES, PUNCHING PRESSES, DOUBLE ACTION PRESSES, ARCH PRESSES, REDUCING PRESSES, THREAD ROLLING MACHINES, ROLL FEEDS, AND DIAL FEEDS.
Claims use since December 1888.

Reg. No. 435,441. Registered Dec. 30, 1947. H. W. BUTTERWORTH AND SONS COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

H. W. BUTTERWORTH & SONS CO.

PHILADELPHIA, PA.

FOR AGEING MACHINES USED IN SETTING COLORS AFTER THEY HAVE BEEN PRINTED SO THAT THEY WILL NOT RUN; ATOMIZERS USED TO DAMPEN CLOTH BEFORE FINISHING; BOILING MACHINES FOR WARPS; CALENDERS; CELL DRIERS FOR RUBBER FABRICS USED FOR TAKING CANVAS OVER A SERIES OF CELLS TO DRY IT; COILERS FOR WARPS; CONTINUOUS KIER; CRABBING MACHINES FOR WORSTEDS; DYEING MACHINES; DRYING MACHINES; EXPANDERS; FINISHING MACHINES FOR SILK; FINISHING MACHINES FOR WEBBING; GARMENT DYEING MACHINES; GUIDERS FOR GUIDING CLOTH IN AND FROM TEXTILE MACHINERY; HOSIERY DYEING MACHINES OF THE LIFT TYPE, NON-LIFT TYPE, AND PADDLE WHEEL TYPE; DYE JIGGS FOR DYEING CLOTH; MANGLES FOR USE IN THE TEXTILE INDUSTRY FOR THE PROCESSING OF CLOTH; TOMMY DODD MACHINES FOR BACK FILLING OF FABRICS, THAT IS, APPLYING STARCH OR SIZE TO ONE SIDE OF THE MATERIAL; MIXERS USED FOR MIXING THE VARIOUS COLORS TO BE USED IN THE PRINTING OF GOODS; PACKAGE AND BEAM DYEING MACHINES; PADDING MACHINES FOR PADDING INTO GOODS STARCHES, COLORS, CHEMICALS, ETC.; RAW STOCK MACHINES USED FOR TREATING RAW WOOL MATERIALS AND COLORING SAME; POT SPINNING MACHINES FOR SPINNING FILAMENT YARN; BOBBIN SPINNING MACHINES FOR SPINNING YARN ONTO A BOBBIN; ROLL MACHINES, USED FOR FINISHING CLOTH; RUBBER IMPREGNATING RANGE, IN THE NATURE OF AN APPARATUS THAT TAKES THE CLOTH THROUGH A SERIES OF MACHINES TO PUT RUBBER OR LATEX INTO THE MATERIAL; SANFORIZING RANGES, IN THE NATURE OF AN APPARATUS THAT FIXES CLOTH SO THAT THERE IS NO RESIDUAL SHRINKAGE; SCUTCHERS, IN THE NATURE OF MACHINES FOR OPENING CLOTH TO FULL WIDTH FROM THE ROPE FORM; PRINTING MACHINES FOR PRINTING DESIGNS IN DIFFERENT COLORS UPON PLAIN CLOTH; SINGEING MACHINES USED FOR BURNING THE NAP AND LOOSE ENDS FROM THE FABRIC; SIZING, DRYING, AND BEAMING MACHINES FOR CARPET YARNS; SKEIN MACHINES FOR DYEING WOOL, WORSTED, SLUBBING, AND COTTON FOR BLEACHING COTTON, SCOURING WOOL, AND WORSTED YARN; SKEIN MACHINES FOR SILK, MERCERIZED COTTON, AND ARTIFICIAL SILK; SIZING MACHINES FOR WARPS; SOAPING MACHINES FOR WARPS; STRAINERS USED IN STRAINING THE COLORS SO THAT THE COLORS ARE SMOOTH AND WITHOUT LUMPS; SPECIAL MACHINES FOR SULPHUR DYEING; SQUEEZERS; SPRINKLING MACHINES USED FOR DAMPENING CLOTH BEFORE FURTHER TREATMENT AND FINISHING; SUCTION BOX FOR SUCKING WATER OUT OF CLOTH BY VACUUM; TUBE-TEX MACHINES USED IN FINISHING TUBULAR KNIT GOODS IN THE CIRCULAR FORM; TENTERS USED FOR PULLING FABRIC OUT TO WIDTH AFTER IT HAS BEEN TREATED SO THAT IT CAN BE DRIED AT THE RIGHT SIZE; WASHERS USED TO WASH OUT THE CLOTH THAT HAS BEEN CHEMICALLY TREATED; AND WINDERS USED TO WIND UP THE CLOTH.
Claims use since 1889.

Reg. No. 435,474. Registered Dec. 30, 1947. H. W. BUTTERWORTH AND SONS COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

"SPINMASTER"

FOR ELECTRICALLY DRIVEN SPINNING MACHINES.
Claims use since May 22, 1946.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Reg. No. 60,517. Registered Feb. 12, 1907. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ENTERPRISE

FOR SAD-IRONS.
Claims use since 1867.

Reg. No. 260,493. Registered Aug. 27, 1929. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR CLOTHESPINS.
Claims use since December 1922.

Reg. No. 306,684. Registered Sept. 26, 1933. EASTERN OUTFITTING CO. OF LOS ANGELES, CALIF., Los Angeles, Whittier, Pasadena, and Huntington Park, Calif. Republished by Eastern-Columbia, Inc., Los Angeles, Calif., a corporation of California.

Modern Laundress

FOR LAUNDRY WASHING MACHINES.
Claims use since Jan. 1, 1931.

Claims use since Mar. 10, 1946.

Claims use since December 1888.

Claims use since 1889.

Reg. No. 366,016. Registered Mar. 28, 1939. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR ELECTRIC AND GASOLINE MOTORED WASHING MACHINES AND ELECTRIC IRONERS.
Claims use since January 1936.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Reg. No. 59,604. Registered Jan. 15, 1907. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ENTERPRISE

FOR MEASURING-FAUCETS AND MEASURING-PUMPS.
Claims use since 1867.

Reg. No. 308,158. Registered Nov. 21, 1933. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Republished by Universal Camera Corporation, New York, N. Y., a corporation of Delaware.

ULTRACHROME

FOR PHOTOGRAPHIC FILM.
Claims use since about July 5, 1933.

Reg. No. 308,159. Registered Nov. 21, 1933. UNIVERSAL CAMERA CORPORATION, New York, N. Y. Republished by Universal Camera Corporation, New York, N. Y., a corporation of Delaware.

Univex

FOR PHOTOGRAPHIC CAMERA AND FILMS.
Claims use since about July 5, 1933.

Reg. No. 364,387. Registered Jan. 31, 1939. UNIVERSAL CAMERA CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

MERCURY

FOR CAMERAS.
Claims use since May 9, 1938.

Reg. No. 369,618. Registered Aug. 1, 1939. UNIVERSAL CAMERA CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

CINEMASTER

FOR CAMERAS.
Claims use since Dec. 8, 1938.

Reg. No. 369,979. Registered Aug. 8, 1939. UNIVERSAL CAMERA CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

TRICOR

FOR CAMERA LENSES.
Claims use since Nov. 16, 1938.

Reg. No. 374,135. Registered Jan. 2, 1940. KENT-MOORE ORGANIZATION INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.

ROBOT

FOR HEADLIGHT TESTERS.
Claims use since June 1938.

Reg. No. 375,872. Registered Mar. 5, 1940. N. P. BENSON OPTICAL COMPANY, INC., Minneapolis, Minn., assignor to Cosmet Corporation. Republished by Cosmet Company, Minneapolis, Minn., a firm.

BENEDGE

FOR EYEGLASS LENSES AND EDGE FINISHES.
Claims use since on or about Sept. 15, 1926.

Reg. No. 377,742. Registered May 14, 1940. UNIVERSAL CAMERA CORPORATION, New York, N. Y., a corporation of Delaware. Republished by registrant.

UNIFLEX

FOR TELEPHOTO LENSES, PHOTOGRAPHIC LENSES, AND CAMERAS.
Claims use since Oct. 16, 1939.

Reg. No. 378,441. Registered June 11, 1940. AMERICAN TIME PRODUCTS, INC., New York, N. Y., a corporation of Delaware. Republished by registrant.

Watch Master

The term "New York" is disclaimed apart from the mark as shown.
FOR WATCH RATE RECORDERS.
Claims use since Apr. 1, 1939.

Reg. No. 413,028. Registered Apr. 3, 1945. AJAX ELECTROTHERMIC CORPORATION, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

AJAX-NORTHRUP

The word "Northrup" is disclaimed apart from the mark as shown.
FOR ELECTRIC FURNACES FOR LABORATORY USES.
Claims use since Apr. 28, 1920.

Reg. No. 416,407. Registered Sept. 11, 1945. The Di-Noc MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DINOGRAPHIC

FOR SENSITIZED PHOTOGRAPHIC FILM.
Claims use since Nov. 29, 1944.

Reg. No. 417,822. Registered Nov. 20, 1945. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

FARM MASTER

The word "Farm" is disclaimed apart from the mark as shown.
FOR DAIRY, HOG, AND POULTRY EQUIPMENT—NAMELY, THERMOMETERS, HYGROMETERS, SOIL TESTING KITS.
Claims use since Jan. 15, 1941.

Reg. No. 435,878. Registered Jan. 13, 1948. CENTURY PROJECTOR CORPORATION, New York, N. Y., and elsewhere, a corporation of New York. Republished by registrant.

Centrex

FOR MOTION PICTURE PROJECTORS AND PARTS THEREOF.
Claims use since Sept. 16, 1946.

CLASS 27

HOROLOGICAL INSTRUMENTS

Reg. No. 112,876. Registered Oct. 3, 1916. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

TRANSIT

FOR WATCHES, CLOCKS, WATCH-MOVEMENTS, WATCH CASES, CLOCK-MOVEMENTS, AND CLOCK-CASES.
Claims use since Jan. 1, 1915.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Reg. No. 174,889. Registered Oct. 23, 1923. EISENSTADT MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

Clasper

FOR BRACELETS AND WRISTLETS.
Claims use since Mar. 16, 1923.

Reg. No. 193,226. Registered Dec. 23, 1924. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Republished by registrant.

H

FOR WEDDING RINGS.
Claims use since about July 16, 1923.

Reg. No. 193,227. Registered Dec. 23, 1924. ALFRED HUMBERT & SON, Philadelphia, Pa., a firm. Republished by registrant.

BRIDES CHOICE

FOR WEDDING RINGS.
Claims use since Oct. 8, 1923.

Reg. No. 279,115. Registered Jan. 6, 1931. D. C. PERCIVAL & Co., INC., Boston, Mass., a corporation of Massachusetts. Republished by registrant.

ARBELLA

FOR DIAMOND-SET JEWELRY—NAMELY, RINGS AND PENDANTS.
Claims use since June 20, 1930.

Reg. No. 413,315. Registered Apr. 17, 1945. LAWRENCE MFG., INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

STORKETTE

FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, AND PRECIOUS AND SEMI-PRECIOUS GEMS.
Claims use since Aug. 24, 1944.

FOR CAMERAS.
Claims use since May 9, 1938.

The term "New York" is disclaimed apart from the mark as shown.
FOR WATCH RATE RECORDERS.
Claims use since Apr. 1, 1939.

WATCH CASES, CLOCK-MOVEMENTS, AND CLOCK CASES.
Claims use since Jan. 1, 1915.

PRECIOUS GEMS.
Claims use since Aug. 24, 1944.

Reg. No. 431,432. Registered July 22, 1947. LAWRENCE MFG., INC., Providence, R. I., a corporation of Rhode Island. Republished by registrant.

Lauré

FOR JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES, AND PRECIOUS AND SEMI-PRECIOUS GEMS.
Claims use since May 8, 1946.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Reg. No. 375,085. Registered Feb. 6, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR BROOMS, WHISK BROOMS, SCRUBBING BRUSHES, MOPS, RADIATOR BRUSHES, PAPER HANGER BRUSHES, STEEL BRUSHES, PAINT BRUSHES, TOILET BRUSHES, VEGETABLE BRUSHES, NAIL BRUSHES, CLOTHES BRUSHES, HAIR BRUSHES, BATH BRUSHES, TOOTH BRUSHES, BOTTLE BRUSHES, SHAVING BRUSHES, SQUEEGEES, SHOE DAUBERS AND BRUSHES, FEATHER DUSTERS, HORSE BRUSHES, POWDER PUFFS, STENCIL BRUSHES, AND WOOL DUSTERS.
Claims use since December 1929.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 263,526. Registered Nov. 5, 1929. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

VENTURUS

FOR POTTERY, CROCKERY, EARTHENWARE, AND PORCELAIN.
Claims use since Nov. 15, 1927.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 120,101. Registered Jan. 8, 1918. HECHT & COMPANY, Washington, D. C. Republished by The Hecht Company, Washington, D. C., a corporation of Maryland.

SANI-COLD

FOR REFRIGERATORS AND ICE BOXES.
Claims use since Mar. 11, 1917.

Reg. No. 361,160. Registered Oct. 11, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR ELECTRIC REFRIGERATORS.
Claims use since 1936.

Reg. No. 408,929. Registered Sept. 5, 1944. ARMALY SPONGE & CHAMOIS CO. INC., Detroit, Mich., a corporation of Michigan. Republished by registrant.

SI-PAD

The word "Pad" is disclaimed apart from the mark as shown.
FOR SISAL PAD FILTERS.
Claims use since January 1943.

Reg. No. 422,641. Registered Aug. 6, 1946. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Republished by registrant.

FARM MASTER

The word "Farm" is disclaimed apart from the mark as shown.
FOR MILK COOLERS AND MILK FILTER DISCS.
Claims use since Jan. 15, 1941.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 404,631. Registered Dec. 7, 1943. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

Cuddle-Nest

FOR COMBINATION MATTRESS WITH WETPROOF LINING, PILLOW, AND COVERLET, FOR INFANTS' CRIBS OR CARRIAGES.
Claims use since May 13, 1943.

Reg. No. 404,632. Registered Dec. 7, 1943. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

FOR COMBINATION MATTRESS WITH WETPROOF LINING, PILLOW, AND COVERLET, FOR INFANTS' CRIBS OR CARRIAGES.
Claims use since May 13, 1943.

Reg. No. 418,184. Registered Dec. 4, 1945. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

Crib Paddy

The word "Crib" is disclaimed apart from the mark as shown.
FOR BUMPER AND DRAFT GUARDS FOR THE SIDES OF CRIBS.
Claims use since May 14, 1945.

Reg. No. 435,709. Registered Jan. 6, 1948. ACME VISIBLE RECORDS, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

ACME

FOR FILING CABINETS AND FILING CABINET DRAWERS.
Claims use since Nov. 26, 1946.

CLASS 33

GLASSWARE

Reg. No. 174,500. Registered Oct. 16, 1923. L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa., a corporation of Pennsylvania. Republished by registrant.

HOUZE

FOR SHEET GLASS.
Claims use since Apr. 15, 1922.

Reg. No. 174,652. Registered Oct. 23, 1923. L. J. HOUZE CONVEX GLASS COMPANY, Point Marion, Pa., a corporation of Pennsylvania. Republished by registrant

Chartreuse

FOR SHEET GLASS.
Claims use since Sept. 18, 1922.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 112,557. Registered Sept. 12, 1916. ROCK ISLAND REGISTER CO., Rock Island, Ill., a corporation of Illinois. Republished by registrant.

NO STREAK

The words "No Streak" are disclaimed apart from the mark as shown.
FOR SIDE-WALL WARM-AIR REGISTERS.
Claims use since Jan. 2, 1915.

Reg. No. 170,923. Registered July 24, 1923. ROCK ISLAND REGISTER CO., Rock Island, Ill., a corporation of Illinois. Republished by registrant.

Out-O-Wall

FOR REGISTERS FOR HEATING PURPOSES.
Claims use since Jan. 15, 1922.

FOR POTTERY, CROCKERY, EARTHENWARE, AND PORCELAIN.
Claims use since Nov. 15, 1927.

FOR MILK COOLERS AND MILK FILTER DISCS.
Claims use since Jan. 15, 1941.

FOR FILING CABINETS AND FILING CABINET DRAWERS.
Claims use since Nov. 26, 1946.

FOR REGISTERS FOR HEATING PURPOSES.
Claims use since Jan. 15, 1922.

Reg. No. 226,620. Registered Apr. 12, 1927. AARON COHN, Philadelphia, Pa. Republished by registrant.

E-Z

FOR HOT-AIR DAMPERS.
Claims use since about July 15, 1925.

Reg. No. 278,022. Registered Dec. 2, 1930. HARTZELL INDUSTRIES, INC., Piqua, Ohio, a corporation of Delaware. Republished by registrant.

The drawing is lined and hatched for red and gold.
FOR VENTILATOR, BLOWERS, AND FANS.
Claims use since Jan. 1, 1920.

Reg. No. 287,650. Registered Sept. 29, 1931. EASTERN OUTFITTING CO. OF LOS ANGELES, CALIF., Los Angeles, Belvedere, and Huntington Park, Calif. Republished by Eastern-Columbia, Inc., Los Angeles, Calif., a corporation of California.

FOR GAS RANGES.
Claims use since Jan. 1, 1931.

Reg. No. 305,362. Registered Aug. 15, 1933. EASTERN OUTFITTING CO. OF LOS ANGELES, CALIF., Los Angeles, Belvedere, Pasadena, and Huntington Park, Calif. Republished by Eastern-Columbia, Inc., Los Angeles, Calif., a corporation of California.

FOR GAS RANGES.
Claims use since Jan. 1, 1931.

Reg. No. 341,630. Registered Dec. 15, 1936. HALL-NEAL FURNACE COMPANY, Indianapolis, Ind., a corporation of Indiana. Republished by registrant.

VICTORAIRE

FOR COMPLETE HEATING AND AIR CONDITIONING, HUMIDIFYING, AND COOLING UNITS; HOT AIR FURNACES, AIR CONDITIONING UNITS SEPARATELY, AND PARTS FOR SAID GOODS NOT INCLUDING ELECTRICAL APPARATUS; AIR FILTERS, COMPLETE UNITS INCLUDING FURNACE AND AIR CONDITIONERS ONLY; FURNACE UNITS INCLUDING OIL BURNERS AND STOKERS COMBINED THEREWITH; HUMIDIFIER UNITS; COOLING UNITS; HEATING UNITS; AND AIR CIRCULATING UNITS.
Claims use since on or about Jan. 1, 1931.

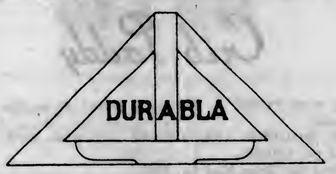
Reg. No. 426,712. Registered Jan. 7, 1947. VOLCANO BURNER CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

FOR OIL BURNERS FOR HOUSEHOLD AND INDUSTRIAL FURNACE HEATING.
Claims use since Sept. 25, 1928.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 73,781. Registered May 18, 1909. R. G. VON KOKERITZ & CO., New York, N. Y. Republished by Durabla Manufacturing Company, New York, N. Y., a corporation of New York.



FOR ASBESTOS AND MICA STEAMPACKING.
Claims use since June 1, 1906.

Reg. No. 121,122. Registered Apr. 9, 1918. R. K. CARRUTH, Macon, Ga. Republished by Bull Grip, Incorporated, Chattanooga, Tenn., a corporation of Tennessee.

FOR SELF-VULCANIZING PATCH.
Claims use since Aug. 1, 1916.

Reg. No. 303,681. Registered June 6, 1933. SOUTHERN FRICTION FABRIC COMPANY, Charlotte, N. C. Republished by Southern Friction Materials Company, Charlotte, N. C., a corporation of North Carolina.

SOUTHERN

FOR BRAKE LINING.
Claims use since about Jan. 15, 1932.

Reg. No. 303,922. Registered June 13, 1933. SOUTHERN FRICTION FABRIC COMPANY, Charlotte, N. C. Republished by Southern Friction Materials Company, Charlotte, N. C., a corporation of North Carolina.

HOLDBESTOS

FOR BRAKE LINING.
Claims use since Jan. 1, 1929.

Reg. No. 312,661. Registered May 1, 1934. THE BELMONT PACKING & RUBBER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

BELMONT

FOR FIBER AND RUBBER PACKINGS.
Claims use since Jan. 30, 1895.

Reg. No. 339,654. Registered Oct. 13, 1936. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

—SAMSON—

FOR BRAKE LINING.
Claims use since on or about July 1, 1930.

Reg. No. 342,487. Registered Jan. 19, 1937. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

—ENDURO—

FOR BRAKE LINING.
Claims use since on or about Jan. 1, 1930.

Reg. No. 353,817. Registered Jan. 18, 1938. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

TOP-NOTCH

FOR BRAKE LINING.
Claims use since Aug. 9, 1937.

Reg. No. 359,488. Registered Aug. 23, 1938. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

GOLD BOND

FOR BRAKE LINING.
Claims use since about Jan. 15, 1929.

Reg. No. 386,378. Registered Apr. 8, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR AUTOMOBILE, TRACTOR, AND BICYCLE PNEUMATIC TIRES AND INNER TUBES, SOLID RUBBER TIRES, TIRE PATCHES AND REPAIR KITS, TIRE RIM FLAPS, TIRE SHOES, RUBBER FULLER BALLS, MACHINE RUBBER AND LEATHER BELTING, LEATHER BELT LACING, AUTOMOBILE BRAKE LININGS AND CLUTCH LININGS, GARDEN HOSE, GASOLINE HOSE, FIRE HOSE, CONVEYOR BELTS, CUP LEATHER FOR WATER PUMPS, FAN BELTS, MACHINERY PACKING, JAR RINGS, MOTOR GASKETS, LEATHER WASHERS, PISTON RINGS, AUTOMOBILE AND TRACTOR HOSE, TIRE COVERS, FELT WASHERS, RUBBER WASHERS, TRACTOR AND THRESHER BELTS.
Claims use since December 1929.

Reg. No. 405,176. Registered Jan. 11, 1944. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C., a corporation of North Carolina. Republished by registrant.

CHEMWAY

FOR BRAKE LININGS.
Claims use since Apr. 23, 1943.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Reg. No. 319,818. Registered Dec. 4, 1934. SIMSON & FREY, INC., New York, N. Y. Republished by Scherl & Roth, Inc., Cleveland, Ohio, a corporation of Ohio.

FOR MUSICAL INSTRUMENT ACCESSORIES—NAMELY, STEEL, GUT, AND SILK STRINGS FOR FRETTED AND BOWED INSTRUMENTS, PICKS, ROSIN FOR BOWED INSTRUMENTS, REEDS FOR CLARINET, SAXOPHONE, OBOE, AND BASSOON, SAXOPHONE STRAPS, CLARINET AND SAXOPHONE PADS, AND CLARINET AND SAXOPHONE MOUTHPIECES.
Claims use since Mar. 14, 1934.

DINNER BELLE

FOR GAS RANGES.
Claims use since Jan. 1, 1931.

FOR SELF-VULCANIZING PATCH.
Claims use since Aug. 1, 1916.

FOR BRAKE LINING.
Claims use since about Jan. 15, 1929.

PADS, AND CLARINET AND SAXOPHONE KEY PIECES.
Claims use since Mar. 14, 1934.

Reg. No. 360,635. Registered Sept. 20, 1938. NATIONAL INSTITUTE OF MUSIC & ARTS, INC., Seattle, Wash., a corporation of Washington. Republished by registrant.

NIOMA

FOR BRASS, REED, AND STRINGED MUSICAL INSTRUMENTS—NAMELY, CORNETS, TRUMPETS, TROMBONES, SAXOPHONES, BASS HORNS, VIOLINS, CLARINETS, GUITARS, AND ACCORDIONS.
Claims use since May 25, 1936.

Reg. No. 435,928. Registered Jan. 13, 1948. CONCERT HALL SOCIETY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS OF THE DISC TYPE.
Claims use since May 6, 1946.

CLASS 37

PAPER AND STATIONERY

Reg. No. 356,199. Registered Apr. 19, 1938. STEINER SALES COMPANY, Chicago, Ill. Republished by American Linen Supply Co., Chicago, Ill., a corporation of Nevada.

The representation of the cabinet is disclaimed apart from the mark as shown.
FOR PAPER TOWELS.
Claims use since February 1936.

Reg. No. 363,820. Registered Jan. 10, 1939. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

FOR SHELF PAPER.
Claims use since January 1938.

Reg. No. 366,027. Registered Mar. 28, 1939. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

PLEE-ZING

NICETY

The panel of the trade-mark is lined to indicate blue color.
FOR TISSUE PAPER, TOILET PAPER.
Claims use since Mar. 16, 1938.

Reg. No. 369,735. Registered Aug. 1, 1939. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

The wording is disclaimed apart from the mark as shown.
FOR PAPER BOX LACES, PAPER DOILIES, PAPER NAPKINS, PAPER DENTAL PINAFORES, SHELF PAPER, SHELF AND LINING PAPER, PAPER FRILLED SKEWERS, PAPER TRAY COVERS, AND PAPER TUMBLER COVERS.
Claims use since February 1936.

Reg. No. 384,946. Registered Feb. 11, 1941. STEINER SALES COMPANY, Chicago, Ill. Republished by American Linen Supply Co., Chicago, Ill., a corporation of Nevada.

PRECISION

FOR PAPER TOWELS.
Claims use since May 26, 1940.

Reg. No. 399,581. Registered Jan. 19, 1943. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

PLEE-ZING

FOR DESK CALENDARS, FACIAL TISSUES, PRICE TAGS, PAPER TOWELS, PAPER TABLET FILLERS, LEAD PENCILS, WRITING PAPER.
Claims use since November 1931.

Reg. No. 401,849. Registered June 15, 1943. ASHLAND PAPER MILLS, INC., Ashland, N. H., a corporation of New Hampshire. Republished by registrant.

ADVANCE

FOR FACIAL TISSUE, TOILET TISSUE, PAPER NAPKINS, AND PAPER TOWELS.
Claims use since 1933.

Reg. No. 415,915. Registered Aug. 21, 1945. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Republished by The Di-Noc Company, Cleveland, Ohio, a corporation of Ohio.

DINOBASE

FOR TRANSLUCENT SHEET FILM COMPOSED OF SYNTHETIC RESINOUS MATERIAL AND HAVING A SURFACE SUITABLE FOR DRAWING THEREON.
Claims use since Nov. 29, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 118,824. Registered Oct. 2, 1917. JAMES E. SITTERLEY, New York, N. Y. Republished by J. E. Sitterley & Sons, Inc., New York, N. Y., a corporation of New York.

IMPORTERS GUIDE

FOR PERIODICAL PUBLICATION.
Claims use since 1905.

Reg. No. 218,634. Registered Sept. 28, 1926. DUPLEX ENVELOPE CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

CHURCH BUSINESS

FOR PERIODICALS.
Claims use since on or about Oct. 1, 1923.

Reg. No. 225,139. Registered Mar. 15, 1927. CHRISTMAS CLUB, A CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Christmas Club

FOR MAGAZINE ISSUED QUARTERLY.
Claims use since August 1926.

Reg. No. 280,468. Registered Feb. 17, 1931. J. E. SITTERLEY, New York, N. Y. Republished by J. E. Sitterley & Sons, Inc., New York, N. Y., a corporation of New York.

WORLD'S BUSINESS

FOR PERIODICAL PUBLICATION.
Claims use since Oct. 14, 1930.

Reg. No. 389,361. Registered Aug. 5, 1941. QUIZ KIDS, INC., Chicago, Ill., assignor to Louis G. Cowan. Republished by Louis G. Cowan, New York, N. Y.

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE.
Claims use since June 24, 1940.

Reg. No. 431,950. Registered Aug. 12, 1947. LOUIS G. COWAN, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE.
Claims use since May 3, 1946.

The representation of the cabinet is disclaimed apart from the mark as shown.
FOR PAPER TOWELS.
Claims use since February 1936.

PAPER, SHELF AND LINING PAPER, PAPER FRILLED SKEWERS, PAPER TRAY COVERS, AND PAPER TUMBLER COVERS.
Claims use since February 1936.

FOR PERIODICALS.
Claims use since on or about Oct. 1, 1923.

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE.
Claims use since May 3, 1946.

Reg. No. 434,264. Registered Nov. 18, 1947. McBRIER & McBRIER, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GO

FOR MAGAZINE PUBLISHED PERIODICALLY PERTAINING TO CURRENT SOCIAL, THEATRICAL, AND NEWS HAPPENINGS OR EVENTS.
Claims use since Feb. 29, 1936.

CLASS 39

CLOTHING

Reg. No. 386,673. Registered Apr. 22, 1941. JOLIBAR HOSIERY CO., Boston, Mass., a firm. Republished by registrant.

Jolibar HOSIERY

The word "Hosiery" is disclaimed apart from the mark as shown.
FOR HOSIERY.
Claims use since June 7, 1936.

Reg. No. 395,061. Registered May 12, 1942. SICES & RIEGER, INCORPORATED, Chicago, Ill. Republished by Sices & Rieger, Incorporated, Chicago, Ill., a corporation of Illinois.

Queenly

FOR LADIES' CLOTH COATS.
Claims use since about December 1939.

Reg. No. 409,527. Registered Oct. 10, 1944. LADYARN SPORTWEAR, New York, N. Y. Republished by Ladyarn Sportwear, Inc., Brooklyn, N. Y., a corporation of New York.

Ladyarn SPORTWEAR

The word "Sportwear" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' SWEATERS AND SWEATER ENSEMBLES.
Claims use since Feb. 1, 1944.

Reg. No. 415,326. Registered Aug. 7, 1945. FISCHER & Co., INC., New York, N. Y., a corporation of New York. Republished by registrant.

Heavenly

FOR LADIES' LINGERIE CONSISTING OF NIGHTGOWNS AND SLIPS.
Claims use since about July 1, 1941.

Reg. No. 434,329. Registered Nov. 18, 1947. LILLI ANN CORP., San Francisco, Calif., a corporation of California. Republished by registrant.

Lilli Ann

FOR LADIES' COATS, SUITS, DRESSES, AND FUR TRIMMED COATS.
Claims use since July 15, 1935.

Reg. No. 435,276. Registered Dec. 16, 1947. THE BREARLEY COMPANY, Rockford, Ill., a corporation of Illinois. Republished by registrant.

CONGO

FOR MEN'S AND BOYS' HATS, VISORS, AND CAPS.
Claims use since on or about July 1, 1933.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Reg. No. 202,773. Registered Sept. 1, 1925. INTERNATIONAL BRAID COMPANY, Providence, R. I. Republished by International Braid Company (1947), Providence, R. I., a corporation of Rhode Island.

"LAWRENCE"

FOR SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, AND WORSTED.
Claims use since Feb. 11, 1922.

Reg. No. 341,629. Registered Dec. 15, 1936. GETTIER-MONTANYE, INC., Baltimore, Md., a corporation of Maryland. Republished by registrant.

Bree-Zee

FOR HAND-OPERATED FANS MADE OF PAPER.
Claims use since May 1934.

Reg. No. 374,255. Registered Jan. 2, 1940. INTERNATIONAL BRAID COMPANY, Providence, R. I. Republished by International Braid Company (1947), Providence, R. I., a corporation of Rhode Island.

Endura

FOR TAPES AND WEBBINGS FOR USE AS BINDING AND TRIMMINGS FOR FABRICATED ARTICLES, AND OTHER INCIDENTAL USES, AND BRAIDS FOR LACINGS, TRIMMINGS, AND OTHER INCIDENTAL USES.
Claims use since July 5, 1939.

Reg. No. 378,451. Registered June 11, 1940. INTERNATIONAL BRAID COMPANY, Providence, R. I. Republished by International Braid Company (1947), Providence, R. I., a corporation of Rhode Island.

SHUBRAIDS

The word "Shubraids" is disclaimed apart from the mark as shown.
FOR SHOE LACES.
Claims use since Oct. 2, 1939.

Reg. No. 404,509. Registered Nov. 30, 1943. F. W. WOOLWORTH Co., Watertown and New York, N. Y., a corporation of New York. Republished by registrant.

The drawing is lined for the colors yellow, red, and black.
FOR BIAS SEAM TAPE, AND LINGERIE TAPE AND BRAID.
Claims use since Oct. 1, 1922.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 61,484. Registered Mar. 26, 1907. LEHIGH VALLEY SILK MILLS, South Bethlehem, Pa. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

MIRAGE

FOR SILK DRESS GOODS.
Claims use since Sept. 5, 1905.

Reg. No. 63,282. Registered June 11, 1907. MERRIMACK MANUFACTURING COMPANY, Lowell, Mass. Republished by Merrimack Manufacturing Company (1948), Lowell, Mass., a corporation of Massachusetts.

MERRIMACK

Manufacturing Co.

FOR PRINTED AND DYED CALICOES, CLOTH MADE FROM CARDED AND COMBED COTTON YARNS, PRINTED AND DYED FLANNELS, CORDUROYS, VELVETEENS, AND FUSTIANS.
Claims use since 1822.

Reg. No. 73,082. Registered Mar. 16, 1909. GALLIA SILK MILLS, Portland, Maine. Republished by Burlington Mills Corporation, Greensboro, N. C., a corporation of Delaware.

FOR SILK PIECE GOODS.
Claims use since March 1908.

Reg. No. 129,325. Registered Feb. 17, 1920. H. W. BAKER LINEN Co., New York, N. Y., a corporation of New York. Republished by registrant.

FOR TOWELS.
Claims use since May 1, 1919.

Reg. No. 229,928. Registered July 12, 1927. KAUFMANN DEPARTMENT STORES, INC., Pittsburgh, Pa. Republished by The May Department Stores Company, St. Louis, Mo., a corporation of New York.

KAUFMANN'S

Richelieu

Superior Quality

The words "Kaufmann's" and "Superior Quality" are disclaimed apart from the mark as shown.
FOR COTTON BED SHEETS, LINEN BED SHEETS, COTTON PILLOWCASES, LINEN PILLOWCASES, COTTON BEDSPREADS, RAYON BEDSPREADS, SILK BEDSPREADS, COTTON BOLSTERS, RAYON BOLSTERS, LINEN BOLSTERS, COTTON COMFORTS, DOWN COMFORTS, WOOL COMFORTS, COTTON AND WOOL COM-

FORTS, COTTON BLANKETS, WOOL BLANKETS, COTTON AND WOOL MIXED BLANKETS, PART-WOOL BLANKETS, LINEN TABLE CLOTHS (PLAIN AND EMBROIDERED), LINEN NAPKINS, LINEN DAMASK CLOTHS, LINEN DAMASK NAPKINS, LINEN SCARFS, DOILIES, BUFFET SETS (OVALS, OBLONGS, ROUNDS), LINEN TOWELS, COTTON TOWELS, LINEN TOWELING (BY THE YARD), COTTON TOWELING (BY THE YARD), VELVET FABRICS (BY THE YARD), SILK FABRICS (BY THE YARD), WOOL FABRICS (BY THE YARD), COTTON FABRICS (BY THE YARD), RAYON FABRICS (BY THE YARD), MUSLIN (BY THE YARD), LINEN (BY THE YARD), AND BEDTICKING OF COTTON.
Claims use since about Nov. 28, 1926.

Reg. No. 260,342. Registered Aug. 20, 1929. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

VIKING

FOR TEXTILE TOWELS.
Claims use since May 19, 1928.

Reg. No. 340,999. Registered Nov. 24, 1936. JOHN L. WALTHER, New York, N. Y. Republished by John WALTHER FABRICS, INC., New York, N. Y., a corporation of New York.

The word "Fabrics" and the label per se are disclaimed apart from the mark as shown. The drawing is lined for the color red.
FOR WOOLEN, WORSTED, CAMELS-HAIR, WOVEN, AND KNITTED PIECE GOODS.
Claims use since June 1935.

Reg. No. 383,013. Registered Nov. 19, 1940. EASTERN COLUMBIA, INC., Los Angeles, Huntington Park, and Pasadena, Calif., a corporation of California. Republished by registrant, present address Los Angeles, Calif.

The words "Rugs of Superb Quality" are disclaimed apart from the mark as shown.
FOR TEXTILE RUGS.
Claims use since May 20, 1940.

Reg. No. 416,116. Registered Aug. 28, 1945. LINCOLN FABRICS CO., New York, N. Y. Republished by Lincoln Fabrics Co. Inc., New York, N. Y., a corporation of New York.

KING-PIN

FOR RAYON PIECE GOODS.
Claims use since September 1944.

Reg. No. 424,724. Registered Oct. 22, 1946. LINCOLN FABRICS CO., New York, N. Y. Republished by Lincoln Fabrics Co. Inc., New York, N. Y., a corporation of New York.

GRAND SLAM

FOR RAYON PIECE GOODS.
Claims use since August 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 212,611. Registered May 11, 1926. THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR TOOTHPICKS.
Claims use since February 1925.

Reg. No. 229,517. Registered June 28, 1927. HOBERG PAPER & FIBRE COMPANY, Green Bay, Wis. Republished by Hoberg Paper Mills, Inc., Green Bay, Wis., a corporation of Wisconsin.

SANISORB

FOR PAPER WADDING.
Claims use since Dec. 18, 1925.

Reg. No. 306,051. Registered Sept. 5, 1933. HORN SURGICAL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

HORNSCO

FOR SEAMLESS ELASTIC ARCH GRIPPERS, ELASTIC HIP REDUCERS, SHOULDER BRACES, MATERNITY SUPPORTERS, ELASTIC MATERNITY SUPPORTERS, ABDOMINAL SUPPORTERS, AND ELASTIC ABDOMINAL SUPPORTERS.
Claims use since Oct. 1, 1922.

Reg. No. 392,214. Registered Dec. 16, 1941. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

Tendees

FOR SANITARY NAPKINS.
Claims use since May 13, 1941.

Reg. No. 416,659. Registered Sept. 25, 1945. CANADIAN RADIUM & URANIUM CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

ALPHATRON

FOR APPARATUS FOR APPLYING THE RAYS OF RADIO-ACTIVE MATERIAL.
Claims use since Oct. 2, 1944.

Reg. No. 424,928. Registered Oct. 29, 1946. W. G. BROWN, Seattle, Wash. Republished by registrant.

VIGORAY

FOR ELECTRO-THERAPY MACHINES.
Claims use since on or about Oct. 1, 1933.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Reg. No. 259,617. Registered Aug. 6, 1929. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR GRAPE JUICE.
Claims use since December 1922.

Reg. No. 273,603. Registered Aug. 5, 1930. THE CHURCH MFG. CO., sometimes doing business as Church Grape Juice Company, Kennewick, Wash. Republished by Church Grape Juice Company, Kennewick, Wash., a corporation of Washington.

FIESTA

FOR GRAPE JUICE, NONALCOHOLIC, NONCEREAL, MALTLESS, CARBONATED BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING THE SAME, AND GINGER ALE.
Claims use since Feb. 22, 1930.

Reg. No. 317,955. Registered Oct. 9, 1934. PERKINS PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

KOOL-AID

FOR PREPARED POWDER CONTAINING FLAVOR, FRUIT ACID, AND COLOR PUT UP IN A NUMBER OF FLAVORS FOR MAKING NONALCOHOLIC BEVERAGE IN THE HOME.
Claims use since Aug. 18, 1927.

Reg. No. 329,855. Registered Nov. 12, 1935. TOM TUCKER BEVERAGE COMPANY, Pittsburgh, Pa., a firm. Republished by registrant.

The drawing is lined for black and flesh tints.
FOR NON-ALCOHOLIC, MALTLESS, CARBONATED AND UNCARBONATED BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS USED IN MAKING THE SAME.
Claims use since Mar. 1, 1935.

Reg. No. 374,276. Registered Jan. 2, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since June 1933.

FOR SILK DRESS GOODS.
Claims use since Sept. 5, 1905.

TON BEDSPREADS, RAYON BEDSPREADS, SILK BEDSPREADS, COTTON BOLSTERS, RAYON BOLSTERS, LINEN BOLSTERS, COTTON COMFORTS, DOWN COMFORTS, WOOL COMFORTS, COTTON AND WOOL COM-

The words "Rugs of Superb Quality" are disclaimed apart from the mark as shown.

FOR TEXTILE RUGS.

Claims use since May 20, 1940.

TIC HIP REDUCERS, SHOULDER BRACES, MATERNITY SUPPORTERS, ELASTIC MATERNITY SUPPORTERS, ABDOMINAL SUPPORTERS, AND ELASTIC ABDOMINAL SUPPORTERS.

Claims use since Oct. 1, 1922.

FOR GRAPE JUICE, NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS FOR MAKING THE SAME, AND GINGER ALE.

Claims use since Feb. 22, 1930.

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since June 1933.

Reg. No. 418,265. Registered Dec. 11, 1945. NEDICK'S STORES, INC., New York, N. Y. Republished by Nedick's Inc., New York, N. Y., a corporation of New York.

FOR NON-ALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND CONCENTRATES AND SYRUPS FOR THE MANUFACTURE THEREOF.

Claims use since May 10, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 37,225. Registered Oct. 22, 1901. ARTEMAS P. RICHARDSON, Philadelphia, Pa. Republished by Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania.

·U-ALL-NO·

FOR PLAITED CREAM MINT AND OTHER CANDY.

Claims use since May 15, 1901.

Reg. No. 45,034. Registered Aug. 1, 1905. ARTEMAS P. RICHARDSON, Philadelphia, Pa. Republished by Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania.

FOR MINT CANDY.

Claims use since May 15, 1901.

Reg. No. 45,158. Registered Aug. 8, 1905. MCCORMICK & COMPANY, Baltimore, Md. Republished by McCormick & Co., Incorporated, Baltimore, Md. a corporation of Maryland.

FOR FLAVORING EXTRACTS, FRUIT SYRUPS, AND JUICES.

Claims use since Jan. 1, 1895.

Reg. No. 45,575. Registered Aug. 22, 1905. MCCORMICK & COMPANY, Baltimore, Md. Republished by McCormick & Co., Incorporated, Baltimore, Md. a corporation of Maryland.

FOR FLAVORING EXTRACTS, FRUIT SYRUPS, AND JUICES.

Claims use since Jan. 1, 1890.

Reg. No. 46,038. Registered Sept. 5, 1905. MCCORMICK & COMPANY, Baltimore, Md. Republished by McCormick & Co., Incorporated, Baltimore, Md. a corporation of Maryland.

FOR GROUND AND UNGROUND SPICES AND MUSTARDS IN BOTH WET AND DRY STATE.

Claims use since April 1902.

Reg. No. 58,984. Registered Dec. 25, 1906. MCCORMICK & Co., Baltimore, Md. Republished by McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland.

FOR TEA.

Claims use since November 1905.

Reg. No. 60,681. Registered Feb. 19, 1907. ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., a corporation of Kansas. Republished by registrant.

THUNDERBOLT

FOR WHEAT FLOUR.

Claims use since about February 1905.

Reg. No. 60,682. Registered Feb. 19, 1907. ISMERT-HINCKE MILLING COMPANY, Kansas City, Kans., a corporation of Kansas. Republished by registrant.

I-H

FOR WHEAT FLOUR.

Claims use since about February 1905.

Reg. No. 67,482. Registered Feb. 4, 1908. NORTHWESTERN FISHERIES COMPANY, Seattle, Wash. Republished by Pacific American Fisheries, Inc., Bellingham, Wash. a corporation of Delaware.

The field of the shield is blue.

FOR CANNED SALMON.

Claims use since June 15, 1905.

Reg. No. 126,620. Registered Sept. 30, 1919. AMERICAN HOMINY COMPANY, Indianapolis, Ind. Republished by Evans Milling Company, Indianapolis, Ind., a corporation of Indiana.

QUICK MALT

FOR BREAKFAST CEREAL IN FLAKE FORM.

Claims use since October 1891.

Reg. No. 128,684. Registered Jan. 13, 1920. ENTIRE WHEAT BREAD COMPANY, St. Louis, Mo. Republished by Walter Freund Bread Company, St. Louis, Mo., a corporation of Missouri.

CAP SHEAF

FOR BREAD.

Claims use since July 1, 1917.

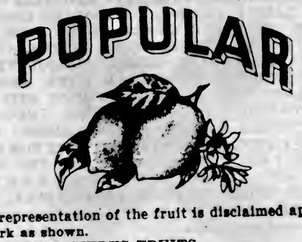
Reg. No. 153,763. Registered Mar. 28, 1922. INTERNATIONAL SALT CO. OF NEW YORK, New York, N. Y. Republished by International Salt Company, Scranton, Pa., a corporation of New Jersey.

OK

FOR SALT.

Claims use since 1890.

Reg. No. 155,611. Registered June 6, 1922. BASTANCHURY RANCH COMPANY, Fullerton, Calif. Republished by C. H. Withers, Niland, Calif.



The representation of the fruit is disclaimed apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since Jan. 15, 1921.

Reg. No. 157,987. Registered Aug. 22, 1922. INDEPENDENT SALT COMPANY, New York, N. Y. Republished by International Salt Company, Scranton, Pa., a corporation of New Jersey.

DOMESTIC

FOR SALT.

Claims use since 1900.

Reg. No. 160,890. Registered Oct. 31, 1922. INDEPENDENT SALT COMPANY, New York, N. Y. Republished by International Salt Company, Scranton, Pa., a corporation of New Jersey.

The word "Salt" is disclaimed apart from the mark as shown.

FOR SALT.

Claims use since Jan. 2, 1895.

FOR FLAVORING EXTRACTS, FRUIT SYRUPS, AND JUICES.
Claims use since Jan. 1, 1895.

FOR WHEAT FLOUR.
Claims use since about February 1905.

FOR BREAD.
Claims use since July 1, 1917.
619 O. G.—45

FOR SALT.
Claims use since Jan. 2, 1895.

Reg. No. 166,668. Registered Apr. 10, 1923. CENTRAL CALIFORNIA BERRY GROWERS ASSOCIATION, San Francisco, Calif., a corporation of California. Republished by registrant.

NATURIPE

FOR FRESH FRUITS—NAMELY, BERRIES.
Claims use since Mar. 21, 1922.

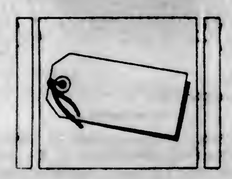
Reg. No. 170,847. Registered July 24, 1923. THE HIGGINS-BABCOCK-HURD COMPANY, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR SALAD DRESSING, VINEGAR, CANNED FRUITS, CANNED VEGETABLES, SLICED BEEF IN TWO AND ONE-HALF OUNCE AND FIVE OUNCE GLASS, LAMB'S TONGUE, PINT GLASS LUNCHEON TONGUE, PINT AND QUART GLASS PIGS' FEET, TEAS, COFFEES, CONDIMENTS, SPICES, CONFECTIONERY CHOCOLATE DROPS, CHOCOLATE COVERED CHERRIES, CHOCOLATE BARS, ASSORTED CHOCOLATE CREAMS, COUGH DROPS AND GUMS, HARD CANDIES, MARSHMALLOWS, CHOCOLATE, COCOA, TABLE SIRUPS, AND MOLASSES; BLACK PEPPER, CANDY, FLAVORING EXTRACT FOR FOODS, PICKLES, CANNED FISH, OLIVES, CANNED, EVAPORATED AND POWDERED MILK, BREAKFAST CEREALS, SUGAR, CHEESE, FRUIT JELLY, FRUIT PRESERVES.
Claims use since 1882.

Reg. No. 426,710. Registered Jan. 7, 1947. CHARLES LEE DE BOAR, Johnson City, Tenn. Republished by registrant.

WHITE TAG



The representation of a white tag is disclaimed apart from the mark as shown.
FOR WHITE FLOUR MADE FROM SOFT RED WINTER WHEAT.
Claims use since July 15, 1946.

Reg. No. 431,262. Registered July 15, 1947. RICHGROVE-JASMINE CITRUS ASSOCIATION, Delano, Calif., a corporation of California. Republished by registrant.

RICHMINE

FOR FRESH CITRUS FRUITS.
Claims use since May 4, 1946.

Reg. No. 432,231. Registered Aug. 26, 1947. REDMURD CORPORATION, Terre Haute, Ind., a corporation of Delaware. Republished by registrant.

DUBLEGG

FOR PURE CONCENTRATED EGGS.
Claims use since Dec. 1, 1945.

Reg. No. 432,575. Registered Sept. 9, 1947. FISHER FLOURING MILLS COMPANY, Seattle, Wash., a corporation of Washington. Republished by registrant.

Fisher's
CORN MIX

The words "Corn Mix" are disclaimed apart from the mark as shown.
FOR PREPARED CORNMEAL FOR USE IN PREPARATION OF MUFFINS, CORNBREAD, PANCAKES, AND THE LIKE.
Claims use since June 7, 1944.

Reg. No. 434,696. Registered Dec. 2, 1947. PORTER & WENTZ, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

FROMTEX

FOR FRESH VEGETABLES.
Claims use since Nov. 20, 1945.

Reg. No. 436,058. Registered Jan. 20, 1948. NASH-DE CAMP COMPANY, Berkeley, Calif., a corporation of California. Republished by registrant, present address Visalia, Calif.

TIPPY

FOR FRESH DECIDUOUS FRUITS AND FRESH CITRUS FRUITS.
Claims use since Aug. 5, 1938.

CLASS 47

WINES

Reg. No. 48,569. Registered Jan. 2, 1906. JOSEPH TRINER, Chicago, Ill. Republished by Joseph Triner Corporation, Chicago, Ill., a corporation of Illinois.

FOR BITTER WINE.
Claims use since Oct. 1, 1891.

Reg. No. 410,850. Registered Dec. 19, 1944. WINE GROWERS GUILD, Lodi, Calif., a corporation of California. Republished by registrant.

FOR WINE.
Claims use since Mar. 1, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 106,434. Registered Oct. 19, 1915. THE JAMES HANLEY BREWING COMPANY, Providence, R. I. Republished by The James Hanley Company, Providence, R. I., a corporation of Rhode Island.

HANLEY'S

FOR ALE, PORTER, AND LAGER-BEER.
Claims use since January 1894.

Reg. No. 316,493. Registered Aug. 28, 1934. GENERAL BREWING CORPORATION, San Francisco, Calif., a corporation of California. Republished by registrant.

FOR BEER.
Claims use since Apr. 27, 1934.

Reg. No. 317,659. Registered Oct. 2, 1934. GENERAL BREWING CORPORATION, San Francisco, Calif., a corporation of California. Republished by registrant.

The drawing is lined for red and gold. The word "Bonded" is disclaimed apart from the mark as shown.
FOR MALT BEVERAGES.
Claims use since Jan. 18, 1933.

Reg. No. 357,221. Registered May 24, 1938. GENERAL BREWING CORPORATION, San Francisco, Calif., a corporation of California. Republished by registrant.

Bankers Ale

FOR ALE.
Claims use since Jan. 20, 1938.

Reg. No. 368,318. Registered June 13, 1939. GENERAL BREWING CORPORATION, San Francisco, Calif., a corporation of California. Republished by registrant.

LUCKY

FOR BEER AND ALE.
Claims use since Jan. 18, 1933.

FOR FRESH CITRUS FRUITS.
Claims use since May 4, 1946.

FOR FRESH DECIDUOUS FRUITS AND FRESH CITRUS FRUITS.
Claims use since Aug. 5, 1938.

FOR ALE, PORTER, AND LAGER-BEER.
Claims use since January 1894.

FOR BEER AND ALE.
Claims use since Jan. 18, 1933.

Reg. No. 368,319. Registered June 13, 1939. GENERAL BREWING CORPORATION, San Francisco, Calif., a corporation of California. Republished by registrant.

LUCKY LAGER

The word "Lager" is disclaimed apart from the mark as shown.
FOR BEER.
Claims use since January 18, 1933.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Reg. No. 305,189. Registered Aug. 8, 1933. THOMAS C. DENNEHY, doing business as Clear Spring Distilling Co., Chicago, Ill. Republished by Pebbleford Distillery Company, Wilder, Newport, Ky., a corporation of Kentucky.

PEBBLE-FORD

FOR WHISKEY.
Claims use since Dec. 25, 1906.

Reg. No. 381,732. Registered Oct. 1, 1940. G. F. HEUBLEIN & BRO., Hartford, Conn., a corporation of Connecticut. Republished by registrant.

The representation of the label is disclaimed apart from the mark as shown.
FOR WHISKEY.
Claims use since Apr. 30, 1940.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 245,548. Registered Aug. 14, 1928. CORK MANUFACTURING COMPANY LTD., London, England, a company organized under the laws of Great Britain. Republished by registrant.

LANGITE.

FOR MATS FOR MOTOR VEHICLES.
Claims use since 1920.

Reg. No. 361,039. Registered Oct. 4, 1938. AKTIESELSKABET BING & GRONDAHLS PORCELLAENSFABRIK, Copenhagen, Denmark, a corporation of Denmark. Republished by registrant.

B&G KJØBENHAVN

B&G

The geographical word "Kjobenhavn" is disclaimed apart from the mark as shown.
FOR ART PORCELAIN AND STONEWARE FIGURES OF HUMANS AND ANIMALS.
Claims use since Dec. 12, 1907.

REISSUES

FEBRUARY 15, 1949

23,084
PURIFYING NITRILES
Andersen W. Ralston, Chicago, Lowell T. Crews, Homewood, and Edwin W. Colt, Evanston, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original No. 2,401,772, dated June 11, 1946, Serial No. 537,370, May 25, 1944. Application for reissue November 10, 1948, Serial No. 59,404
7 Claims. (Cl. 260—465.1)

1. The process of purifying an unconjugated fatty acid nitrile which comprises heating the nitrile with a small amount of maleic anhydride and washing the thus treated nitrile with water.

PLANT PATENTS

GRANTED FEBRUARY 15, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

823
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application May 14, 1947, Serial No. 748,086
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the color and high center form of the flowers; the reflex development and veining of the petals; vigorous, hardy and extremely free blooming habits of the plant and the red coloring of the under surface of the foliage, substantially as shown and described.

824
ROSE PLANT
Eugene S. Boerner, Newark, N. Y., assignor to Jackson & Perkins Company, Newark, N. Y., a corporation of New York
Application May 27, 1947, Serial No. 750,824
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the sturdy and vigorous growing habit with upright branches and heavy foliage; by the distinctive coloring of its flowers resistant to sunburn, and their long lasting quality, and by the characteristic green veining of the petals both in bud and open flower, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 15, 1949

2,461,505

REMOVAL OR REPLACEMENT OF ELECTROLYTES IN PHYSIOLOGICALLY ACTIVE MATERIALS

Frederick K. Daniel, Kew Gardens, N. Y., assignor, by mesne assignments, to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application December 2, 1944, Serial No. 566,403
4 Claims. (Cl. 167—78)

1. The method of refining acid sensitive biological fluid preparations of the character that have a deleterious electrolyte content, said electrolyte consisting of cation replaceable by sodium ion and anion replaceable by chloride ion, which consists in passing the preparation through a duplex ion exchanger comprising two sets of salt activated resin particles mixed together, one set serving as an anion and the other as a cation exchanger, and thereupon regenerating both sets of resin particles of the exchanger without separation of said mixed resin particles by flowing therethrough substantially dissociated sodium chloride solution preparatory to reuse of the exchanger.

2,461,506

PROCESS FOR REGENERATION OF ION EXCHANGE MATERIAL

Frederick K. Daniel, Kew Gardens, N. Y., assignor to Sun Chemical Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application October 18, 1946, Serial No. 704,269
4 Claims. (Cl. 252—182)

1. The process of regenerating a deactivated duplex ion exchanger comprising a mixture of cation resin exchange and anion resin exchange components, said cation exchange component having an apparent density different from said anion exchange component, which comprises the steps of flooding said duplex ion exchanger with a liquid material whose density is intermediate between the apparent densities of said cation exchange component and said anion exchange component in amount sufficient to effect stratification of said cation exchange component from said anion exchange component, effecting separation of said stratified ion exchange components, effecting regeneration of said separated ion exchange components, and thereafter admixing said regenerated ion exchange components.

2,461,507

ELECTRODEPOSITING COMPOSITION AND PROCESS

Allen G. Gray, Rocky River, Ohio, and William Franklin Gresham and Donald John Loder, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application July 7, 1943, Serial No. 493,756
13 Claims. (Cl. 204—54)

1. In a process for the electrodeposition of tin the step comprising effecting electrodeposition from an aqueous, tin-plating bath which contains a soluble tin compound, the process comprising effecting electrodeposition in the presence of 0.001 to 25 grams per liter of a bath-soluble compound containing at least two 1,3-dioxalane groups.

2,461,508

FRICTION ELEMENT COMPRISING DISCRETE PARTICLES OF INSOLUBLE FURFURALDEHYDE KETONE RESIN

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application February 12, 1948, Serial No. 7,994
9 Claims. (Cl. 260—37)

1. A friction element comprising asbestos, a binder, a mass of discrete particles in said binder, said particles being in the size range that at least 90% by weight of said mass will pass a 20-mesh screen and at least 95% by weight of said mass passing said screen will be retained on a 200-mesh screen, said particles comprising a solid substantially infusible resin selected from the group consisting of a resin produced by polymerizing under acidic conditions such that the pH thereof is no greater than 3 an organic reaction product produced by reacting under alkaline conditions furfuraldehyde and a ketone having a hydrogen atom on an alpha carbon, and a resin produced by curing under alkaline conditions a potentially heat reactive thermosetting resin produced by polymerizing under acidic conditions such that the pH thereof is no greater than 3 an organic reaction product produced by reacting under alkaline conditions furfuraldehyde and a ketone having a hydrogen atom on an alpha carbon.

2,461,509

PROCESS FOR MAKING TERTIARY ALKYL AMIDES

Mortimer T. Harvey, South Orange, N. J., and Solomon Caplan, New York, N. Y., assignors to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application October 12, 1946, Serial No. 702,890
7 Claims. (Cl. 260—558)

1. The method of making a mono tertiary hydrocarbon amide of the general formula $R—R^1$ in which R represents a tertiary alkyl group of 4 to 6 carbon atoms and connected to and replacing a hydrogen atom of an amino group of R^1, in which R^1 represents an amide which comprises reacting in the presence of a mineral acid a tertiary alkyl alcohol with an amide selected from the group consisting of oxamide, acetamide and benzoic acid amide, the alkyl group of said alcohol having 4–6 carbon atoms.

2,461,510

COMPOSITIONS OF MATTER AND METHODS AND STEPS OF MAKING AND USING THE SAME

Mortimer T. Harvey, South Orange, N. J., assignor to Harvel Research Corporation, a corporation of New Jersey

No Drawing. Application October 30, 1947, Serial No. 783,230
9 Claims. (Cl. 260—64)

1. The method for producing a thermosetting resin comprising under pH conditions in the

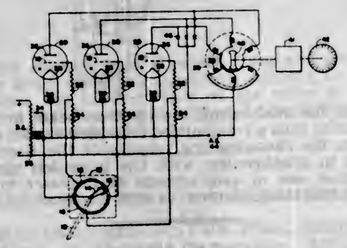
range of 0.5–1.5 homopolymerizing by externally heating at a temperature of 180° F.–260° F. until said resin is produced an organic condensation reaction mass produced by reacting under alkaline conditions furfuraldehyde and a ketone having at least two hydrogen atoms on an alpha carbon, said mass including a resin measuring about 5–50% by weight of said mass.

2,461,511

ELECTRONIC RELAY TRANSMITTER AND RECEIVER SELF-SYNCHRONOUS SYSTEM

Bernard J. Baecher, Brooklyn, N. Y.

Application December 26, 1945, Serial No. 637,294
1 Claim. (Cl. 318—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a system for actuating a device to a position determined by the setting of a remote object, a tap switch having a movable arm mechanically connected with said remote object and a plurality of spaced contacts, a like number of electronic tubes each having an anode, a cathode, and a control grid, a like number of pairs of electromagnetic devices each having thereon an energizing coil and the energizing coils of each of said pairs being serially connected, the electromagnetic devices in each of said pairs being diagonally and radially disposed about an axis, the said several pairs being in consecutive sequence and at equiangular positions relative to each other, with the inner ends of the said electromagnetic devices tangent to a circle enclosing a circular area about said axis, means connecting corresponding ends of said serially connected energizing coils to one terminal of a source of alternating current, means connecting the remaining ends of said serially connected energizing coils to the anodes of said electronic tubes, respectively, means connecting the cathodes of said electronic tubes to the other terminal of the source of alternating current, biasing means for rendering said electronic tubes normally non-conducting, a source of potential of sufficient magnitude to render said tubes conducting connected between the cathodes of said tubes and the movable arm of said switch, means connecting said spaced contacts of said switch to the control grids of the tubes respectively in consecutive order, a magnetic armature supported within the circular space between the inner ends of said electromagnetic devices and pivoted about the axis thereof, and means mechanically connecting said armature with the device to be positioned, whereby the magnetic armature is caused to assume a position determined by the tube rendered conducting by said switch.

2,461,512

FLOW BARREL

Evander B. Barnes, Cody, Wyo.

Application November 19, 1946, Serial No. 710,815
2 Claims. (Cl. 103—232)

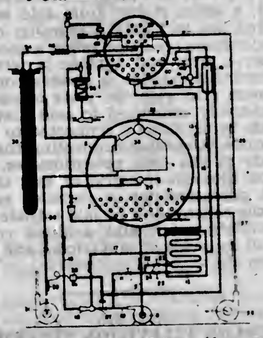
1. A flow barrel for wells comprising a tubular body threaded at its ends for interposition between sections of well tubing and provided with a pair of longitudinal hollow external perforated projections affording elongated fluid entrance pockets therein, an inverted Y-shaped element providing a pair of upwardly converging tubular members communicating at their lower ends through the body with the upper ends of said pockets, and a single tubular member spaced from and disposed axially of and within the body, said single tubular member projecting above the body and communicating at its lower end with the upper ends of said converging tubular members.

2,461,513

CONTROL ARRANGEMENT FOR ABSORPTION REFRIGERATION SYSTEMS

Alexis A. Berestneff, Syracuse, N. Y., assignor to Carrier Corporation, Syracuse, N. Y., a corporation of Delaware

Application July 13, 1946, Serial No. 683,388
6 Claims. (Cl. 62—119)



1. In an absorption refrigeration system including a generator and an absorber, a line connecting the absorber and the generator, a second line connecting the generator and the absorber, a heat exchanger disposed in said lines for placing solutions passing therethrough in heat ex-

692

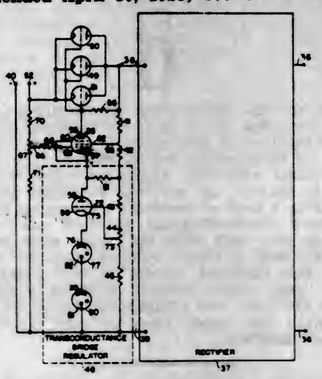
1. In a process for the electrodeposition of tin the step comprising effecting electrodeposition from an aqueous, tin-plating bath which contains a soluble tin compound, the process comprising effecting electrodeposition in the

No Drawing. Application October 30, 1947, Serial No. 783,230
9 Claims. (Cl. 260—64)

1. The method for producing a thermosetting resin comprising under pH conditions in the

change relation, said exchanger including a casing member and a coil member having the sections of the coil disposed in series extending through the casing, strong solution flowing through one of said members and weak solution flowing through the other of said members in an opposite direction, and means for operating the system at a concentration of solution leaving the generator greater than concentration of solution leaving the generator during normal operation of the system by rendering at least one of the coil sections ineffective for substantial heat transfer.

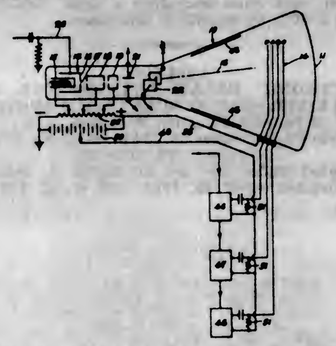
2,461,514
VOLTAGE REGULATOR
Jack L. Bowers, San Diego, Calif.
Application May 2, 1946, Serial No. 666,781
3 Claims. (Cl. 323—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A direct voltage regulator circuit connected between first and second direct voltage buses, said circuit including first and second potentiometers connected across said buses, a plurality of triodes having cathodes, grids, and plates, the cathode-anode circuits of said triodes being connected in parallel with respect to each other and in series with said first bus at a point between said potentiometers, a series circuit from said second bus to said first bus including a plurality of serially connected voltage regulator tubes, a triode having a cathode, a grid, and a plate, a tetrode, said tetrode having a cathode, a plate, a control grid, and a screen grid with the plate of said tetrode being resistively connected to said first bus and its cathode being directly connected to the plate of said triode, a resistor connecting the plate of said triode to the first potentiometer, a direct connection between the grid of said triode and said first potentiometer, a resistive connection between the control grid of said tetrode and said second potentiometer, and a direct connection between all the grids of said triodes and the plate of said tetrode.

2,461,515
COLOR TELEVISION SYSTEM
Arthur B. Bronwell, Evanston, Ill.
Application July 16, 1945, Serial No. 605,388
16 Claims. (Cl. 178—5.2)

1. In a multi-color television system, the combination of an electron gun for producing an electron beam, means for deflecting the beam both horizontally and vertically, image-creating means in the path of the beam including a plurality of closely associated parallel screens each being relatively transparent to light and electrons and coated with a fluorescent material which radiates a desired color under electron bombardment,



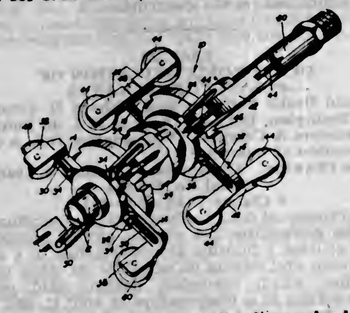
means for modulating the electron beam in accordance with a tranamitted television signal, and means for changing the velocity of the electron beam in synchronism with the television signal to cause one of said screens to fluoresce more brilliantly than another of said screens.

2,461,516
WATER METER REDUCING ADAPTER
Martin T. Bullock, Meridian, Miss.
Application April 11, 1945, Serial No. 587,733
1 Claim. (Cl. 285—160)

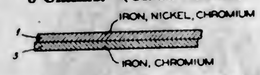
In a pipe fitting, a water meter reducing adapter comprising a sleeve of substantially uniform diameter throughout the greater portion of the length thereof and having a comparatively short unthreaded outer surface at one end with the remainder of the outer surface threaded from the unthreaded part to the opposite end of the fitting, said fitting having an internally threaded bore extending inwardly from the end thereof on which the said smooth surface is positioned, and a smooth bore of smaller diameter than that of the threaded bore forming an abutment to engage the end of a nipple extending from the meter providing uniform flow through the adapter, said smooth bore extending from the threaded bore to the opposite end of the fitting and aligned with the threaded bore.

2,461,517
SPRAY GUN FOR COATING THE INTERIOR OF CONDUITS
John C. Carnevale, Menlo Park, Calif.
Application January 5, 1945, Serial No. 571,487
4 Claims. (Cl. 91—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A device for coating the inside surface of an elongated hollow member, comprising means movable lengthwise of the hollow member adapted to emit a diffused spray of coating composition from a substantially point source, substantially at the longitudinal axis of said hollow member, radially outward, an articulated support for said means, each portion of said articulated support having radially disposed adjustable arms extending therefrom adapted to bear against the inner surface of the walls of said hollow member and to hold said means concentric with respect thereto.



2,461,518
CORROSION-RESISTING THERMOSTAT METAL
Paul G. Chace, Attleboro Falls, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application March 29, 1944, Serial No. 528,614
8 Claims. (Cl. 29—195.5)



1. A corrosion-resisting thermostat metal composed of an alloy having substantially the following composition:

	Per cent
Manganese	0.2–0.6
Carbon	0.01–0.2
Chromium	12–20
Silicon	0.2–1.5
Copper	0.5–1.5
Iron	Remainder

and an alloy having substantially the following composition:

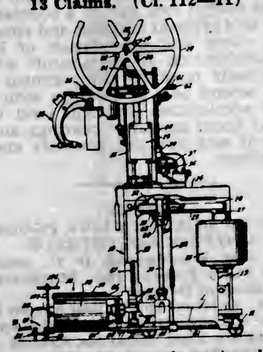
	Per cent
Nickel	16–20
Chromium	10–13
Silicon	0.2–1.0
Manganese	0.35–0.8
Carbon	0.05–0.2
Iron	Remainder

the surfaces of said alloys being fused together at the junction.

2,461,519
METHOD OF PRODUCING CARBOXYLIC SUBSTITUTED ALIPHATIC AMINES AND METALLIC SALTS THEREOF
Frederick C. Bersworth, Verona, N. J.
No Drawing. Application March 17, 1948, Serial No. 15,514
7 Claims. (Cl. 260—534)

1. The method of forming carboxylic substituted aliphatic amines which comprises forming an aqueous reaction solution containing a known weight of ethylene diamine, a smaller quantity of an alkali metal cyanide and an alkali metal hydroxide sufficient to produce a pH of at least 8 in the reaction solution, heating the solution to a determined and maintained reaction temperature within the range 60–100° C. under a refluxing condenser maintaining a low positive pressure of uncondensed gases over the solution sufficient to exclude atmospheric gases from contact with the solution, adding formaldehyde in aqueous solution to the reaction solution while vigorously agitating the same, the rate of addition of said formaldehyde being at a substantially constant rate providing at any one instant a relatively low concentration of formaldehyde in the solution as compared with the concentration of alkali metal cyanide therein, and adding separately to the solution during the formaldehyde addition a sufficient amount of hydrogen cyanide and alkali metal hydroxide in aqueous solution to maintain the alkali metal cyanide content and the pH of the reaction solution substantially constant therein, terminating the alkali metal hydroxide addition when the alkali metal ion content of the solution approximates that providing one alkali metal ion per amino hydrogen to be displaced in the diamine, terminating the hydrogen cyanide addition to the solution when the cyanide ion content of the solution approximates one cyanide ion per amino hydrogen to be displaced from the diamine, terminating the formaldehyde addition when the formaldehyde additions approximate one molar weight per amino hydrogen to be displaced, and heating the reaction solution to a temperature above the reaction temperature but not over about 120° C. for an extended time interval to complete the chemical reactions involved and to expel therefrom all residual gaseous ammonia.

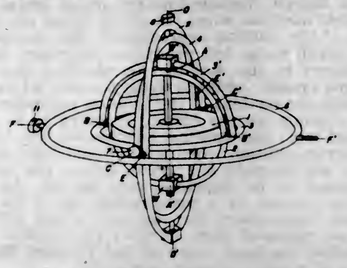
2,461,520
CONTROL MECHANISM FOR SEWING MACHINES AND THE LIKE
Philip B. Clark, Morton Grove, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1945, Serial No. 587,973
13 Claims. (Cl. 112—11)



1. In apparatus of the character described, a conveyor adapted to carry a bag having an open end, a mechanism for closing said open end of said bag, a first driving means for actuating said conveyor, a second driving means for actuating said mechanism, a member movable in opposite directions, means for imparting movement to said member in one direction, means for imparting movement to said member in a reverse di-

rection, means responsive to predetermined movement of said member in opposite directions for placing both of said driving means respectively into and out of service, and detent means normally permitting sufficient movement of said member in said reverse direction to place only one of said driving means out of service, said detent means being adapted to be released by said bag in the course of its travel on said conveyor to allow continued movement of said member in said reverse direction.

2,461,521
SENSITIVE ELEMENT FOR SPACE SPEED, TRACK AND ANGLE OF ATTACK INDICATORS
Mortimer L. Clopton, South Pasadena, Calif.
Application September 19, 1947, Serial No. 775,093
6 Claims. (Cl. 74—5.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An aircraft instrument comprising a constant-speed gyrostat mounted in a gimbal ring having a pair of bearings normal to the axis of said gyrostat, a weight on said gimbal ring for unbalancing said gyrostat and gimbal ring about said bearings, a second gimbal ring for supporting said bearings and having a second pair of bearings normal thereto, a third gimbal ring for supporting said second pair of bearings and mounted for universal rotation in said aircraft, said second gimbal ring having a counterbalance to balance said gyrostat and first and second gimbal rings, about said second pair of bearings, whereby acceleration of the aircraft will cause said universally mounted third gimbal ring to aline said second pair of bearings with the direction of acceleration and will tend to move said weight about said first bearings and cause precession of said balanced assembly about said second bearings.

2,461,522
PACKAGED MEAT AND LIKE PRODUCTS AND PROCESS THEREOF
Mayne R. Coe, Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C., a corporation of Delaware
No Drawing. Original application August 14, 1941, Serial No. 406,909. Divided and this application September 19, 1946, Serial No. 697,924
13 Claims. (Cl. 99—174)

2. An article of commerce comprising a meat product which normally would be deleteriously affected by the photo-chemical action resulting from the absorption thereby of wave lengths of light lying below 4900 Angstrom units as well as lying in the region of 6300–6700 Angstrom units, said meat product having an applied color screen having a spectral transmission of substantially all light in the region delimited by 4900–6300 Angstrom units as well as above 6700 Angstrom units, but excluding an appreciable portion of substantially all other light and particularly such other light having wave lengths from 6300–6700 Angstrom units of the spectrum.

2,461,523
DEHYDROFLUORINATION OF POLYFLUOROALKANES
Donald Drake Coffman and Richard D. Cramer, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 4, 1946, Serial No. 713,924
5 Claims. (Cl. 260—653)

1. Process of dehydrofluorinating a polyfluoroalkane containing 2–4 carbon atoms, inclusive, with at least 2 fluorine atoms attached to 1 carbon atom and having no substituents other than fluorine, which comprises heating said polyfluoroalkane at a temperature of 400° C.–850° C. in the presence of chromium trifluoride.

2,461,524
NUT PEELER
Harold J. Cook, United States Army, New Orleans, La.
Application July 25, 1945, Serial No. 607,077
5 Claims. (Cl. 146—13)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

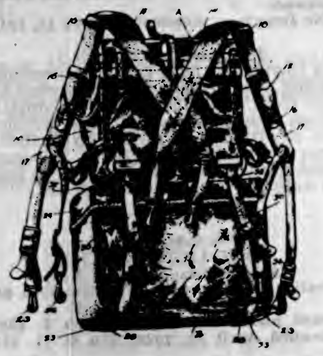
1. An implement for removing the shells from nuts, comprising a handle and a pair of opposed arcuate jaws mounted thereon in fixed spaced-apart relationship, one of said jaws having a sharpened elongated shell-prying edge provided with a shell-penetrating point, the other of said jaws being curved on an arc of a longer radius than the first-mentioned jaw and having an elongated blunt bearing edge adapted to bear on the shell of the nut and projecting beyond the sharpened shell-prying edge of the first-mentioned jaw.

2,461,525
POULTRY FEEDER
Andrew W. Corrigan, Rockford, Ill.
Application March 29, 1945, Serial No. 585,443
2 Claims. (Cl. 119—52)

1. A poultry feeder comprising a housing having a bottom, side walls, end walls, and a top, said side walls converging downwardly and having their lower edges spaced upwardly from the bottom, the end walls having lower portions projecting beyond the side walls and together with portions of the bottom forming troughs communicating with the housing through the space between the side walls and the bottom, covers for said troughs hinged to the side walls in upwardly spaced relation to lower edges of the side walls and extending at a downward incline toward their lower side edges when closed, partitions dividing the troughs into inner main feeding troughs communicating with the housing through space between the side walls and the bottom and

outer auxiliary troughs along outer sides of the main troughs, bars carried by the end walls above the troughs and projecting outwardly from the side walls, in upwardly spaced relation to the troughs, and wires carried by said bars in outwardly spaced relation to the side walls, the said wires constituting beak cleaners disposed over said troughs.

2,461,526
CARGO AND COMBAT PACK
John W. Cull, Normandy, Mo., and Einar Nilsson, Berkeley, Calif.
Application August 26, 1946, Serial No. 692,943
5 Claims. (Cl. 224—8)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a two-bag pack of the type adapted to be suspended on pack-carrying suspenders, means for suspending the bags on said suspenders comprising suspension straps secured to the cover of the first bag, said straps each having an end adapted to be engaged with said suspenders for supporting the first bag thereon and an end adapted to be secured in position for closing the cover of said first bag, strap-engaging means secured on the front and back panels of said first bag, straps on the second bag securable in said second bag, said straps also being adapted to be secured in encircling position with the ends thereof extending freely beyond the sides of said second bag in position for engaging in the strap-engaging means on said first bag for supporting said second bag from said first bag, and means on said second bag engageable with said suspenders to form a pair of shoulder loops engageable over the shoulders of a carrier.

2,461,527
PERCUSSIVE TOOL
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application February 13, 1943, Serial No. 475,782
9 Claims. (Cl. 121—7)

7. In a percussive tool, a member providing a longitudinal bore and a communicating reduced front bore, the latter having concentric inner and outer walls and closed at its forward end, a hammer piston reciprocable in said longitudinal bore and having an impact surface adapted to strike against an element to be percussively actuated, fluid distribution means for distributing pressure fluid with respect to said bores to effect movement of said piston, said piston also having a reduced front end portion of annular cross section receivable in said reduced front bore in fluid tight engagement with the concentric walls thereof, but only after the piston assumes its position wherein it normally delivers a blow to the percussively actuated element, thereby to trap fluid in said reduced bore in advance of said piston to cushion the forward piston movement after the blow is struck.

2,461,528
ROCK DRILL
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 1, 1943, Serial No. 493,086
13 Claims. (Cl. 121—9)

7. In a stoper rock drill, the combination comprising a fluid actuated steel actuating motor, fluid actuated feeding means for said motor arranged in axial alinement therewith, a drill supporting handle secured to and disposed laterally of the drill, and control valve means including a control valve having an operating handle disposed laterally of the drill, said handles arranged in fixed relation, and the axes of said handles respectively lying in planes extending longitudinally of the drill and disposed at a

circling the elongated electrode, a contact plate

substantial angle with respect to each other and with said handle axes both wholly at one side of a longitudinal plane including the longitudinal axis of the drill.

2,461,529
VALVE MECHANISM
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Original application July 1, 1943, Serial No. 493,086. Divided and this application June 22, 1944, Serial No. 541,568
9 Claims. (Cl. 251—91)

2. In a valve mechanism, the combination comprising means providing spaced bearing portions, a rotary handle extending between said portions and journaled by means of the bearings thereof, said handle being mounted for limited axial movement and one of said bearings being a thrust bearing and receiving the axial thrust of said handle, a control valve arranged in alinement with said handle and operatively connected thereto, said valve having a pressure area, means for supplying pressure fluid to said valve, the fluid acting on said pressure area of said valve to exert an endwise thrust thereon in one direction, pressure fluid operated means effective upon fluid supply to said valve and associated with said handle for exerting in all positions of the valve an axial thrust on said valve in the opposite direction to reduce the net end-wise thrust on the valve in said one direction, and operative connections between said handle and said valve permitting limited relative axial movement therebetween while preventing relative rotative movement.

2,461,530
ROCK DRILL
John C. Curtis and Elmer G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company, a corporation of Pennsylvania
Application July 2, 1943, Serial No. 493,240
10 Claims. (Cl. 121—32)

2. In a rock drill, a chuck mechanism for a drill steel comprising a chuck housing, a chuck sleeve rotatable in said housing, a chuck member detachably secured to said sleeve for rotation therewith and adapted to receive the shank of a drill steel, and a dirt and water guard rigidly clamped between said sleeve and chuck member and enclosing the forward portion of said housing.

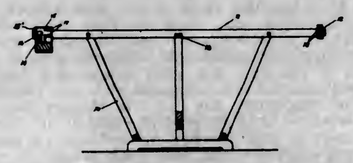
10. A water and dirt guard for rock drills, comprising a circular guard body having alined stepped bores adapted to surround with a close running fit relatively rotatable parts of a rock drill chuck to provide a dirt seal, and having at one end an inwardly directed annular flange adapted to be clamped firmly between relatively

adjustable rotatable parts of a drill chuck for rotation therewith.

2,461,531
COLOR STABILIZATION OF VINYL HALIDE RESINS
Fred W. Cox, Cuyahoga Falls, and James M. Wallace, Jr., Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 15, 1945, Serial No. 599,770
9 Claims. (Cl. 260—78.5)

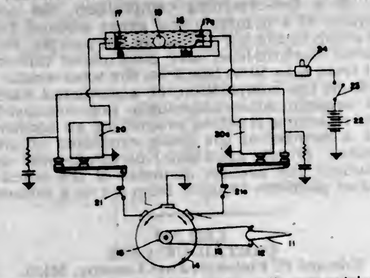
1. A vinyl halide resin capable of resisting discoloration upon heating which comprises a polymer of from 70 to 100 percent of vinyl halide and from up to 30 percent of mono-olefinic compound copolymerizable with vinyl halide, said polymer containing from 0.05 to 10 percent by weight based on the polymer content of the resin of an antimony alkali metal tartrate.

2,461,532
EDGE LIGHTING UNIT
John C. Dixon, Sewell, N. J.
Application September 25, 1945, Serial No. 618,600
2 Claims. (Cl. 240—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



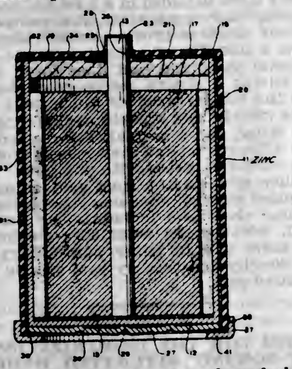
1. Testing equipment for transparent sheeting comprising a rectangular frame and support, a padded groove on one end of said frame to receive and support one end of a transparent sheet, a box and a hinged lid to receive and support the other end of said transparent sheet, padding in said box and on said lid to give a tight fit around said sheet, and lights in said box arranged to shine into the edge of said sheet.

2,461,533
AUTOMATIC SKID CORRECTOR
Robert G. Dosé, United States Navy, Chevy Chase, Md.
Application February 4, 1946, Serial No. 645,429
2 Claims. (Cl. 318—489)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



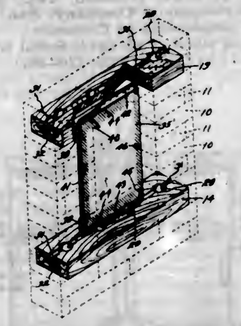
1. A skid corrector for aircraft comprising a source of electric current, a rotatable reversible electric motor, adapted to selectively shift a flight control surface in either direction, circuit means connecting the motor and source, and a switch mechanism in the circuit means and including a mercury globule movable in opposite directions to selected circuit closing positions in response to skidding of the aircraft for starting the motor in one direction or the other whereby to cause selective movement of the control surface in a direction to correct the skidding condition of the aircraft.

2,461,534
LEAK RESISTANT ELECTRICAL CELL
Grenville B. Ellis, Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War
Application May 16, 1945, Serial No. 594,146
4 Claims. (Cl. 136—133)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



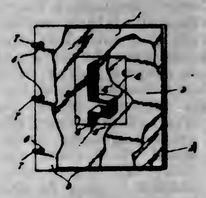
1. In an electrical cell, a can shaped electrode closed at one end and open at the other, an elongated electrode of opposite polarity disposed within said can shaped electrode and having one end extending beyond the rim of the open end of said can shaped electrode, a closure of sealing material across the open end of said can shaped electrode and level with the rim thereof and encircling the elongated electrode, a contact plate of electrically conducting springy material of substantially the same size and shape as the bottom of the can shaped electrode and provided with at least one upwardly extending contact bulge in electrical contact with the closed bottom of said can shaped electrode, a liner of absorbent material covering the lateral surface of the can shaped electrode and extending over the rim of said electrode and over the closure aforesaid and forming a neck about a portion of the elongated electrode which extends beyond the closure and also extending inwardly below the peripheral edge of the contact plate, a cover of nonconducting material extending about those portions of the liner aforesaid which cover the lateral surface and rim of the can shaped electrode and the closure and making a snug fit about the neck aforesaid, and a gripping ferrule secured to the lower end of the cover and extending below that portion of the liner which extends below the peripheral portion of the contact plate and springing the said peripheral portion of the contact plate upwardly so as to cause the cover and ferrule and liner to form a leak resistant container about the electrodes aforesaid and the closure.

2,461,535
TOY BUILDING BLOCKS WITH CLOSURE PANES
Oscar P. Erhardt, West Haven, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 24, 1944, Serial No. 519,433
7 Claims. (Cl. 46—25)



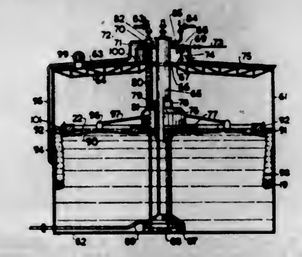
1. In a toy constructional set, a plurality of rigid toy building blocks adapted to be piled one upon the other in horizontally oriented relation, each of said blocks comprising a rigid solid body having miniature brick-like shape and proportions and each of whose broadside faces consists in major part of a relatively depressed hard panel surface, straight marginal ridges standing in relief with respect to and bordering each of said panel surfaces along the edges of each of said blocks, at least two spaced apart block orienting dowel sockets sunk in one of said panel surface of each of said blocks, and a plurality of block orienting dowel projections outstanding from the other panel surface of each of said blocks receivable in and sufficiently fitting said dowel sockets respectively when said blocks are laterally aligned to maintain said straight marginal ridges of different blocks in abutting register with one another whereby said panel surfaces are kept separated and spaced apart when one block is piled upon another block.

2,461,536
DISPLAY DEVICE
Emil N. Farkas, Chicago, Ill.
Application November 23, 1944, Serial No. 564,876
4 Claims. (Cl. 283—63)



4. A display book comprising a sheet of transparent and relatively flexible material, a sheet of relatively rigid material contacting on both of its surfaces with the first sheet, the two sheets being formed into triple-layer folds forming the leaves of the book, the outside ones of the triple-layer folds being the transparent layers of each leaf, said outside layers bearing cooperating indicia and the intervening rigid layer having a window in aligment with the indicia, the triple-layer folds forming each leaf being perforated along one edge to accommodate mechanical binding means.

2,461,537
FLOATING ROOF STORAGE TANK
Alexander S. Feild, Houston, Tex., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application October 10, 1944, Serial No. 558,099
15 Claims. (Cl. 220—85)



1. In a storage device of the class described, the combination comprising a container, a guide column extending upwardly in said container, gas accumulator means slidably mounted on said guide column, a floating diaphragm attached to said gas accumulator means, a non-metallic, flexible sealing element attached to said floating diaphragm and to the side wall of said container, said floating diaphragm and said sealing element forming at least a portion of the top and side walls of a liquid storage chamber, an annular float mounted on said floating diaphragm adjacent the periphery thereof and a plurality of conduits extending through said floating diaphragm between said gas accumulator means and said annular float in flow communication with said storage chamber and leading to said gas accumulator means in flow communication therewith.

2,461,538
FIRE-RETARDING COMPOSITIONS
Earl K. Fischer, Long Island City, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 25, 1944, Serial No. 537,256
3 Claims. (Cl. 260—28)

1. In a fire-retarding composition, the combination of a flameproofing agent selected from the group consisting of chlorinated paraffin, chlorinated naphthalene, and chlorinated diphenyl and from 5 to 50%, based on the total weight of solids in the composition, of a powdered water- and organic solvent-insoluble non-combustible glow-retarding reaction product of an aldehyde with a member of the group consisting of urea, thiourea, biuret, guanidine, dicyandiamide and melamine, the average diameter of the reaction product particles ranging from 0.2 to 5 microns.

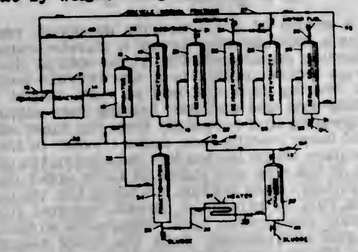
2,461,539
CARTRIDGE CASE
Edward C. Fletcher, East Lansing, Mich.
Application March 16, 1945, Serial No. 583,139
5 Claims. (Cl. 102—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An inclosure comprising a body sheet including a base fiber sheet wound upon itself in a plurality of convolutions to form a tubular laminated member, a metal sheet forming part of the body sheet included in a terminal portion and extending over more than one convolution of said body sheet to provide an overlapping edge portion, a thin film of adhesive material between said metal sheet and said fiber sheet, said fiber sheet having a slotted region extending axially across the tubular member in the part underlying the metal sheet at said overlapping portion of the latter, and a normally solid elastic plastic highly adhesive to said metal sheet and of high tensile strength united with the metal sheet on the other side thereof from said adhesive film and united with at least one convolution of the base fiber sheet and including the slotted part thereof, whereby the outer edge portion of the metal sheet and its inner lapped part are secured directly together by said plastic through said slotted part.

2,461,540
PROCESS FOR THE ISOMERIZATION OF A LOW-BOILING SATURATED HYDROCARBON
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,867
15 Claims. (Cl. 260—666)

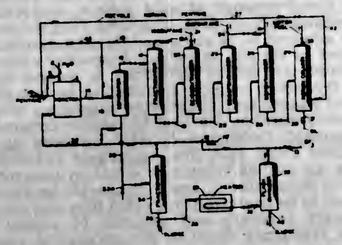
13. A process for the isomerization of a low-boiling saturated hydrocarbon having from four

to six carbon atoms per molecule to produce an isomeric saturated hydrocarbon having the same number of carbon atoms per molecule while contained in a saturated hydrocarbon fraction, which comprises subjecting said saturated hydrocarbon fraction with intimate admixing to the action of a liquid conversion catalyst consisting essentially of concentrated liquid hydrofluoric acid and boron trifluoride in an amount between about 1 and 5 per cent by weight of said hydrofluoric acid, the hydrocarbon to catalyst ratio by weight being in the range of about 0.1



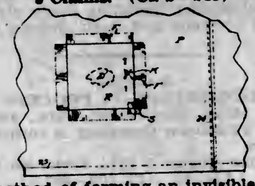
to about 3, at a conversion temperature between about 0 and about 400° F. under a pressure sufficient to maintain said catalyst and said hydrocarbon as liquids and for a time between about 1 minute and about 2 hours and sufficient to effect a substantial amount of hydrocarbon conversion as evidenced by a substantial extent of change in the carbon skeleton of said saturated hydrocarbon having from four to six carbon atoms per molecule, and subsequently recovering from effluents of said isomerization a hydrocarbon fraction comprising an isomer of said saturated hydrocarbon so produced.

2,461,541
PROCESS FOR ISOMERIZING A LOW-BOILING ISOMERIZABLE SATURATED HYDROCARBON
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 23, 1943, Serial No. 511,444
12 Claims. (Cl. 260—666)



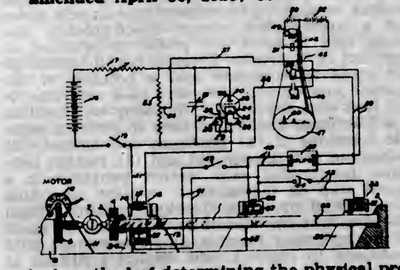
1. A process for isomerizing a low-boiling paraffin hydrocarbon having at least four carbon atoms per molecule, which comprises continuously subjecting in a reaction zone a stream of a saturated hydrocarbon material comprising such a low-boiling paraffin hydrocarbon to the catalytic action of concentrated liquid hydrofluoric acid as the effective catalyst together with boron fluoride in an amount between about 1 and about 10 per cent by weight of said hydrofluoric acid, said liquid hydrofluoric acid containing water in an amount between about 0.05 and about 1.0 per cent by weight thereof and less than that molecularly equivalent to the boron trifluoride present, under isomerization conditions of temperature, pressure and time to produce a paraffin hydrocarbon isomeric with the first said paraffin hydrocarbon, continuously withdrawing a hydrocarbon stream from said reaction zone and recovering therefrom a fraction containing a paraffin hydrocarbon so produced, and continuously adding to said reaction zone water in an amount sufficient to maintain the concentration thereof in said catalyst within the aforesaid range.

2,461,542
INVISIBLE SEAM
Bertha Gottlieb, Cleveland, Ohio
Application October 22, 1946, Serial No. 704,811
3 Claims. (Cl. 2—243)



1. A method of forming an invisible seam in a fabric body, consisting in fraying a first piece of fabric at an edge thereof to present a fringe of projecting warp or woof ends, placing the frayed piece of fabric over a second piece of fabric in position to match the pattern and without any initial alteration of said second piece of fabric, drawing the frayed fringe edge of said first piece of fabric through said second piece of fabric, and securing the frayed fringe edge of said first piece of fabric to said second piece of fabric while preserving the original condition of the warp and woof of said second piece of fabric.

2,461,543
APPARATUS AND METHOD FOR STUDYING WAVE PROPAGATION
Ross Gunn, Washington, D. C.
Application February 1, 1941, Serial No. 377,067
11 Claims. (Cl. 73—67)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of determining the physical properties of an elastic body which includes the steps of supporting an elastic body to substantially prevent the reflection at its ends of an elastic wave set up therein, subjecting the body to a series of intermittent substantially equal impulses to set up in the body a succession of similar elastic waves, the periodicity of the impulses being such that the energy of one elastic wave is substantially dissipated before the succeeding

wave is initiated, substantially simultaneously

2,461,546

around its sight opening and a flange protruding

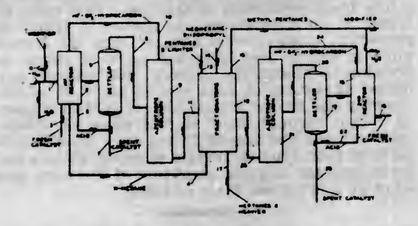
spaced stationary elements, a sinker bar carrying a series of filler sinkers, and a sinker bar drive

wave is initiated, substantially simultaneously with the initiation of each wave initiating relative movement between an electron beam and a surface to establish a time axis, thereafter deflecting the beam transversely of its time axis an amount proportional to the amplitude of the elastic wave at a plurality of points in the said body, and noting the wave pattern formed by the beam on the surface.

2,461,544
FUSE POWDER COMPOSITION
George C. Hale and David Hart, Dover, N. J.
No Drawing. Application June 9, 1944, Serial No. 539,504
6 Claims. (Cl. 52—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fuze powder including finely divided zirconium 75 per cent and finely divided sulfur 25 per cent.

2,461,545
ISOMERIZATION PROCESS
Harold J. Hepp, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 7, 1944, Serial No. 548,379
7 Claims. (Cl. 260—683.5)

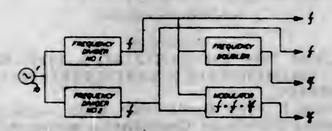


1. A process for isomerizing normal hexane to diisopropyl and neohexane which comprises isomerizing normal hexane in a first step by means of a catalyst consisting essentially of hydrogen fluoride containing from 1 to 10 weight per cent of boron trifluoride based on the hydrogen fluoride under relatively severe conditions to produce methyl pentanes as the principal product, separating the effluent into an acid phase and a hydrocarbon phase, azeotropically distilling said hydrocarbon phase to produce an overhead of hydrogen fluoride, boron trifluoride and some hydrocarbon and a bottoms of the heavier components, recycling said overhead to said first step, fractionally distilling said bottoms in a fractional distillation zone to produce separate fractions of (1) pentanes and lighter, (2) neohexane and diisopropyl and (3) methyl pentanes, isomerizing said methyl pentanes in a second step by means of a catalyst consisting essentially of hydrogen fluoride containing from 1 to 10 weight per cent of boron trifluoride based on the hydrogen fluoride under relatively mild conditions to convert said methyl pentanes to diisopropyl and neohexane, separating the effluent into an acid phase and a hydrocarbon phase, azeotropically distilling said hydrocarbon phase to produce an overhead of hydrogen fluoride, boron trifluoride and some hydrocarbon and a bottoms of the heavier components, recycling said last-named overhead to said second step, and passing said last-named bottoms to said fractional distillation zone and distilling it therein together with said first-named bottoms.

2,461,546
SPINNING RING AND TRAVELER
Harvey E. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application December 13, 1945, Serial No. 634,680
3 Claims. (Cl. 57—120)

1. A device of the character described, comprising a spinning ring having a traveler-engaging portion of substantially frusto-conical shape in cross section providing a downwardly-facing lower bearing face disposed at right angles to the ring-axis and an inner bearing face extending upwardly and outwardly from the inner edge of said lower bearing face, and a traveler of complementary shape having legs paralleling the side faces of the ring and joined at their upper ends in a curved vertex portion spanning the top side of the ring to provide a thread-engaging loop, the inner traveler leg being engageable straightwise and coextensively with the inner bearing face of the ring and both legs terminating at their lower ends in opposing feet, the foot of the inner traveler leg being horizontal and engageable with the lower bearing face of the ring.

2,461,547
TELEPHONE RINGING CURRENT GENERATOR
Henry M. Huge, Lorain, Ohio, assignor to Lorain Products Corporation, a corporation of Ohio
Application October 13, 1947, Serial No. 779,516
14 Claims. (Cl. 172—281)



1. A frequency converter adapted to be energized by a source of alternating current and to supply outputs at four frequencies different from the frequency of said source, comprising, in combination, a first magnetic frequency reducer adapted to be energized by said source and adapted to supply an output frequency equal to one-third the source frequency, a second magnetic frequency reducer adapted to be energized by said source and adapted to supply an output frequency equal to one-half the source frequency, a magnetic frequency doubler adapted to be energized from said first frequency reducer to supply an output frequency equal to two-thirds the source frequency, and a magnetic modulator adapted to be energized from said first and second frequency reducers and adapted to supply an output frequency equal to five-sixths the source frequency.

2,461,548
WINDOW STRUCTURE FOR PROTECTIVE DEVICES
Francis D. Huntsman, Salt Lake City, Utah
Application May 20, 1945, Serial No. 594,611
5 Claims. (Cl. 2—8)

1. In association with a shield wall of sheet material having a sight opening, a window structure comprising an outer frame including a marginal plate on the outside of the shield wall around its sight opening and a flange protruding over that opening and encompassing a sight opening, an inner frame including a marginal plate of dimensions and shape corresponding to those of said outer frame on the inside of the shield wall opposite to said outer plate and a marginal wall on said inner plate protruding inwardly therefrom and encompassing a sight opening aligned with that of said outer frame, fasteners holding

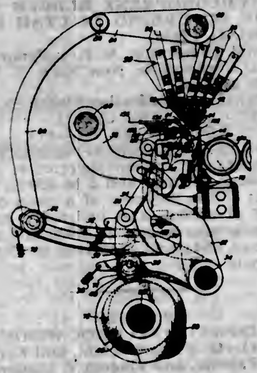
said plates against said shield wall, a lens in said outer frame closing the sight opening thereof, a spring urging said lens toward the flange of said outer frame, a removable cover frame comprising a wall fittable closely around the marginal wall of said inner frame, and a marginal flange encompassing a sight opening alignable with the sight openings of said inner and outer frames, and means to lock said cover frame on said inner frame.

2,461,549
SELF-LUMINOUS ASH TRAY
Helen Hull Jacobs, United States Navy
Application July 14, 1945, Serial No. 605,157
3 Claims. (Cl. 250—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An ash tray comprising a container and an overhanging ledge, a self-luminous material applied to the under surface of the ledge and positioned shielded thereby.

2,461,550
WARP KNITTING MACHINE
Fritz Lambach, Tenafly, N. J.
Application September 20, 1945, Serial No. 617,537
22 Claims. (Cl. 66—84)

9. A warp knitting machine comprising: a needle bar carrying a series of needles, a needle bar drive associated with said needle bar for imparting periodic reciprocating movements to same with its needles in a predetermined direction, at least one guide bar carrying a series of warp guides, a guide bar drive associated with said guide bar for periodic actuations thereof with its warp guides so as to feed warp yarns to said needles, at least one filler thread carrier, a carrier drive associated with said filler thread carrier for imparting periodic reciprocating movements to same so as to lay filler thread substantially parallel to said series of needles, a series of spaced stationary elements arranged in such a relationship to said reciprocable filler thread carrier that filler thread laid by the latter is placed onto said series of spaced stationary elements, a sinker bar carrying a series of filler sinkers, and a sinker bar drive associated with said sinker bar for imparting periodic movements toward and away from the direction of the strokes of said needles, said filler sinkers being arranged for placing, during their movement toward said needles, the filler thread laid onto said spaced stationary elements in position to be incorporated into fabric produced by the knitting implements of the machine, and said filler sinkers and said spaced stationary elements being arranged in such a relationship to each other that each of said filler sinkers extends into a space between adjacent elements and that in any position of the filler sinkers at least a portion of each filler sinker is embraced by such adjacent elements.



2,461,551
COMPOSITION COMPRISING A RUBBERY COPOLYMER OF BUTADIENE AND STYRENE AND A RESIN OCCURRING IN UTAH RESIN-BEARING COAL
Ernest D. Lee, Teaneck, and Loy S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application January 11, 1946, Serial No. 640,676
6 Claims. (Cl. 260—27)

1. A composition comprising a rubbery copolymer of butadiene and styrene and 5–25% on the weight of the copolymer of a resin consisting essentially of carbon and hydrogen, having an average molecular weight on the order of 1000 and a refractive index of 1.544 and occurring in Utah resin-bearing coals.

2,461,552
ADHESIVE COMPOSITION CONTAINING AN ISOBUTENE-DIOLEFIN RUBBERY COPOLYMER AND A RESIN OCCURRING IN UTAH RESIN-BEARING COAL
Lino J. Radi, Union City, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 27, 1946, Serial No. 657,604
6 Claims. (Cl. 260—27)

1. An adhesive composition comprising a solution in an organic solvent therefor of an isobutene-diolefin rubbery copolymer and 5 to 200%, based on the weight of the copolymer, of a resin

consisting essentially of carbon and hydrogen,

2,461,556
METHOD AND APPARATUS FOR THE ELEC-

resilient stopper sealing an aperture in said con-

2,461,566
ELECTRIC IRON

consisting essentially of carbon and hydrogen, having an average molecular weight of 1,000 and a refractive index of 1.544 and occurring in Utah resin-bearing coals.

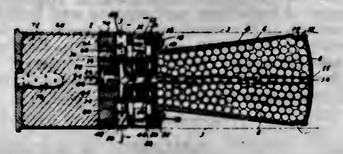
2,461,553
ADHESIVE COMPOSITION CONTAINING POLYCHLOROPRENE RUBBER AND A RESIN OCCURRING IN UTAH RESIN-BEARING COAL
Lino J. Radi, Union City, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application March 29, 1946, Serial No. 656,231
2 Claims. (Cl. 260—27)

1. An adhesive composition comprising a solution in an organic solvent therefor of a chloroprene rubbery polymer and 5 to 200%, based on the weight of the polymer, of a resin consisting essentially of carbon and hydrogen, having an average molecular weight of 1,000 and a refractive index of 1.544 and occurring in Utah resin-bearing coals.

2,461,554
AROMATIC FLUOROCARBON
Waldo B. Ligett, Detroit, Mich., and Earl T. McBee, La Fayette, and Vincent V. Lindgren, West Lafayette, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application November 13, 1945, Serial No. 628,380
1 Claim. (Cl. 260—650)

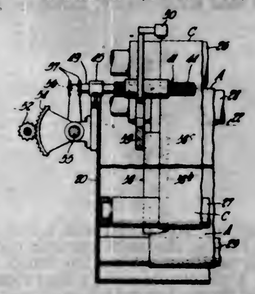
An aromatic fluorocarbon, containing six carbon atoms and six fluorine atoms, having a boiling point from about 81.0 to 82.0 degrees centigrade at 743 millimeters of mercury pressure absolute, a freezing point from about −11 to −13 degrees centigrade, a refractive index of about 1.3760 at 20 degrees centigrade and a density of about 1.612 grams per milliliter at 25 degrees centigrade.

2,461,555
CANISTER SHELL
Douglas F. Linsley, Greenwich, Conn.
Application March 28, 1945, Serial No. 585,376
9 Claims. (Cl. 102—42)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. A canister shell comprising a casing forming a forwardly-opening chamber, a plurality of shot in said casing, cover means removably secured over said opening, a plurality of vanes carried by said casing means yieldingly urging said vanes from a first position within the confines of said casing radially to a second position outwardly of said casing, common means normally holding said vanes in first position and said cover means over said opening, and severing means operated by firing of said shell to sever said common means and release said vanes for movement to said second position.

2,461,556
METHOD AND APPARATUS FOR THE ELECTROLYTIC COATING OF METAL STRIP
Edwin T. Lerig, Bellevue, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application April 1, 1943, Serial No. 481,467
5 Claims. (Cl. 204—28)



1. Electroplating apparatus comprising means for guiding a cathode strip through an electrolyte, means for guiding a strip anode in parallel, proximate relation to a cathode strip traversing said first-named means, shields extending between the edges of the cathode and anode strips, mountings for said shields adjustable transversely of the path of the cathode strip, a motor actuating said mountings and a control mechanism for said motor responsive to lateral shifting of the cathode strip.

2,461,557
PRESET PRESSURE CAN FOR FROZEN FOODS OR THE LIKE
Rosario Lo Vico, Astoria, Long Island, N. Y.
Application April 17, 1944, Serial No. 531,462
5 Claims. (Cl. 220—89)

1. A pre-set pressure can having a can body with an end hermetically sealed by means of a wall which flexes in the presence of excessive pressure in the can and having a score line of considerable depth with respect to the thickness of said wall, dividing off an area, said scored area being substantially concentric with respect to the edge of said wall, a relatively unyielding wall-rupturing member transversely disposed in the interior of said can body, extended across the inner side of said wall and having a center portion secured to the center of said scored area with means securing the peripheral edge portion of said wall rupturing member against outward movement so as to cause shearing action between said area and the outer portion surrounding said area when the pressure in said can body increases and moves said wall at its portion surrounding said scored area away from said member.

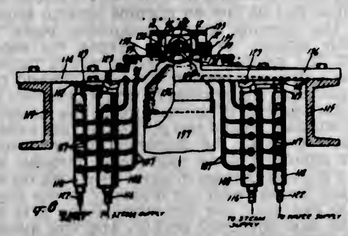
2,461,558
TRANSFUSION APPARATUS
James E. Meagher, Glendale, Calif.
Application December 15, 1945, Serial No. 635,847
18 Claims. (Cl. 128—214)

I. Apparatus for withdrawing and storing animal body fluids comprising a container, a

resilient stopper sealing an aperture in said container and formed with a compartment therein substantially wholly within said container, an administering set positioned in said compartment including a hypodermic needle and means to penetrate said stopper to connect said set in-

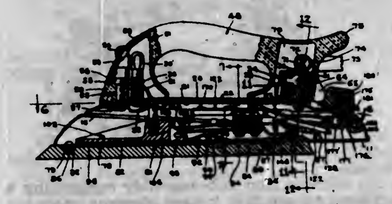
teriorly to the sealed interior of said container, and means sealing said compartment, whereby said apparatus in its completely assembled form may be sterilized as a unit, and said sterility maintained until the instant of inserting said hypodermic needle in a patient.

2,461,559
APPARATUS FOR WASHING THE SIDE SEAMS OF CAN BODIES
William McK. Martin, River Forest, Walter F. Pillisk, Harvey, and Delbert R. Webbe, Maywood, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 13, 1943, Serial No. 514,124
7 Claims. (Cl. 134—82)



1. In a machine for making tubular sheet metal can bodies each having a soldered side seam, the combination of a support for the soldered can bodies, means for advancing can bodies along said support, and a spray nozzle member located adjacent said support for spraying a cleaning fluid onto the side seams on the interior of the can bodies advanced past and over said nozzle member for washing from the bodies any excess soldering flux and other foreign materials that may adhere to the side seams as a result of a seam soldering operation, adjacent wall portions of said member constituting a shield disposed contiguous to the inside of the can bodies adjacent their side seams for protecting the major portion of the can bodies against said spray of cleaning fluid and for limiting the action of the cleaning fluid to the side seam areas of the can bodies.

2,461,560
ELECTRIC IRON
William H. McLelland, Mansfield, Ohio, and Eric J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application May 17, 1944, Serial No. 535,918
17 Claims. (Cl. 219—25)



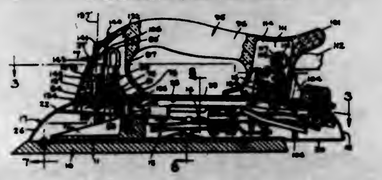
1. In an electrical device having a plate and an electric heating element therefor, a control for said heating element comprising a composite strip of metal composed of two relatively stiff pieces aligned end to end with a space between them and having their outer ends fastened to said plate, said pieces being joined together across said space with an upwardly flexed loop of thinner material and a pair of electric contacts connected in circuit with said electric heating element, said contacts being operable by change in elevation of said loop to open and close the circuit to said heater responsive to variations in temperature of the plate and composite strip assembly.

2,461,561
SADIRON ASSEMBLY
William H. McLelland, Mansfield, Ohio, and Eric J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application May 17, 1944, Serial No. 535,919
2 Claims. (Cl. 219—25)

1. An electric iron sub-assembly comprising a sole plate, a flat, insulated electric heating element positioned on and overlying the sole plate, a pressure plate overlying the heating element, said pressure plate comprising a relatively thin flat base portion having an elongated narrow longitudinal aperture through the center portion thereof, said pressure plate having heavy walls integral with the base portion immediately adjacent each side of said longitudinal aperture, stiffening webs integral with the walls and base portion extending radially from the walls to the edges of the thin flat base portion, fastening means extending downwardly through the walls into the sole plate near the central portion of said sole plate for holding the pressure plate in clamping relation on the heating element, and a thermostatic element and switch contacts operated thereby located between said walls in alignment with said aperture.

said plate, said segmental expanding elements being increased by the cut away clearance por-

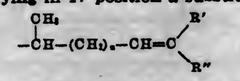
2,461,563
ELECTRIC IRON ASSEMBLY
William H. McLelland, Mansfield, Ohio, and Eric J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich., a corporation of Michigan
Application May 17, 1944, Serial No. 535,926
8 Claims. (Cl. 219—25)



4. An electric iron sub-assembly comprising a sole plate, an electric heater element mounted thereon, a covering shell mounted on the sole plate so as to enclose the upper part thereof and said heater element, a plate shaped so as to cover the top part of the shell mounted on the shell, a rib extending upwardly in the covering shell and extending forwardly thereon, said plate having a smooth portion in contact with said shell rib and said plate extending forward beyond the rib and said forward extended portion of the plate being formed with a downwardly extending center line rib of a size to rest in contact with the forward end of the covering shell, and fastening means between the plate and shell for maintaining them in engagement throughout the length of said rib.

2,461,563
PROCESS FOR THE DEGRADATION OF THE SIDE-CHAIN OF STEROIDS AND STEROIDS SUITABLE THEREFOR
Karl Miescher, Riehen, Hugo Frey, Olten, and Charles Meystre and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey
No Drawing. Application August 5, 1943, Serial No. 497,556. In Switzerland August 18, 1942
23 Claims. (Cl. 260—397.1)

1. In a process for the degradation of the side-chain of a steroid, the steps of causing a steroid carrying in 17-position a substituent

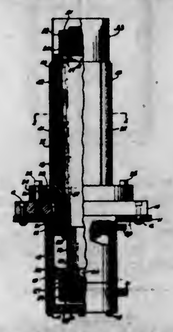


wherein R' and R'' each represents a member of the group consisting of hydrogen and lower aliphatic and lower aromatic hydrocarbon radicals, and n is one of the integers 1 and 2, to react with a member of the group consisting of a carboxylic acid imide, amide and arylamide, substituted by halogen at the nitrogen atom, and subjecting the product so obtained to the action of a dehydrohalogenating agent.

2,461,564
PROCESS OF PREPARING OIL-ACID MODIFIED ALKYD MATERIAL
Charles G. Moore, River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application June 8, 1945, Serial No. 598,405
5 Claims. (Cl. 260—22)

1. The process which consists in heating together with agitation, equimolecular proportions of glycerine and fatty acids selected from the class consisting of drying oil and semi-drying oil fatty acids dispersed in glyceride oil selected from the class consisting of drying oils and semi-drying oils until the reaction between the glycerin and free fatty acids is at least 54% complete as shown by the acid number, and then gradually adding maleic anhydride to the reaction mixture in an equimolecular quantity to the glycerin employed.

2,461,565
METAL SLEEVE EXPANDING DEVICE WITH INTEGRAL WEDGE AND PISTON ROD
Wayne J. Morrill, Fort Wayne, Ind.
Application December 7, 1944, Serial No. 567,102
2 Claims. (Cl. 153—80)



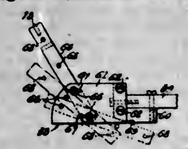
1. An expanding device comprising, a mounting plate having a first and a second side with an opening therethrough, said mounting plate having a plurality of raised guide keys on the first side thereof and extending radially outwardly about said opening, a cylinder adapted to be fastened to the second side of said mounting plate, said cylinder having a first end and a second end, said first end having an opening therein aligned with the opening in the mounting plate, removable closure means for closing the second end of the cylinder, a tapering wedge member having a first end portion and a second end portion, said first end portion having a diameter less than the diameter of the opening in the mounting plate, and said second end portion having a diameter greater than the diameter of the opening in the mounting plate, said wedge member also having a shank portion integral therewith on said first end portion with the diameter of the shank portion less than the diameter of the first end portion, said first end portion and the integral shank portion insertable in said cylinder through the aligned openings in the mounting plate and in the first end of the cylinder, a piston insertable in the second end of the cylinder, threaded means insertable in the second end of the cylinder and engaging the shank portion to hold the piston on the said shank portion of the tapering wedge member, seal means between the wall of the opening in the first end of the cylinder and the shank portion, a plurality of segmental expanding elements defining substantially an inner annular tapering surface surrounding said tapering wedge member and being slidable in a radial direction on said plate, each of said segmental expanding elements having a groove therein to cooperate with a respective guide key, a collar having an annular shoulder slidably receiving said substantially annular flange and holding the segmental expanding elements on the first side of said plate, said segmental expanding elements terminating at a spaced distance from said plate, said tapering wedge member having an extended portion projecting beyond the terminating ends of the segmental expanding elements, and threadably adjustable stop means carried by the extended portion of the tapering wedge member and adapted to abut the terminating ends of the segmental expanding elements to limit expanding movement thereof.

2,461,566
DYNAMOELECTRIC MACHINE ROTOR CONSTRUCTION
Wayne J. Morrill, Fort Wayne, Ind.
Application December 22, 1944, Serial No. 569,210
6 Claims. (Cl. 171—209)

1. In a dynamo-electric machine having a stator, the improvement of a rotor comprising a permanent magnet field element, said element having pole surface regions and interpole surface regions, a reinforcing sleeve member of magnetic material surrounding said element, said sleeve member having first body portions substantially embracing said polt surface regions and having second body portions substantially embracing said interpole surface regions, said first body portions having slots, distributed short circuited winding means in said slots, said first body portions providing a by-path for the cross-magnetizing stator flux and thereby preventing stator flux from entering the permanent magnet field element, said second body portions having peripherally removed sections to provide peripheral recesses, whereby the radial thickness of the wall sections of the second body portions is thinner than that of said first body portions, heavy short circuited winding means in said recesses, said heavy short circuited winding means comprising a greater cross-sectional area than the distributed winding means and short circuiting the main flux path of the permanent magnet field element and thereby preventing demagnetization thereof, said heavy short circuited winding means supplanting the peripherally removed sections and thereby effecting a greater non-magnetic gap between the rotor and stator at the interpole surface regions than at the pole surface regions.

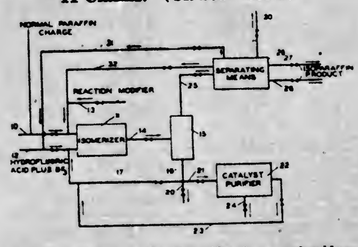
2,461,567
MULTIPLEX PHOTOGRAPHIC EQUIPMENT SUPPORT
John T. Pennington, Alexandria, Va.
Application October 31, 1944, Serial No. 561,247
1 Claim. (Cl. 33—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

An adapter for a multiplex projecting device comprising two spaced parallel plates, an angle bar, formed with an angularly cut away clearance portion, rigidly mounting said plates, a second bar pivotally mounted on the plates intermediate thereof, and angularly adjustable therebetween, the extent of said angular adjustment being increased by the cut away clearance portion of said angle bar, and means for selectively



securing said angularly adjustable bar to said plates in a predetermined position.

2,461,568
PARAFFIN ISOMERIZATION PROCESS
John L. Richmond, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application November 9, 1943, Serial No. 509,611
11 Claims. (Cl. 260—683.5)



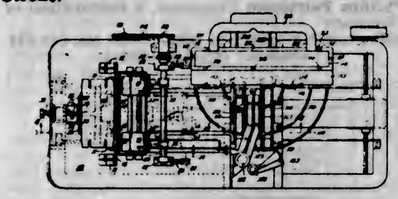
1. A process for effecting the isomerization of a low-boiling normally liquid paraffin hydrocarbon with a minimum of conversion to paraffin hydrocarbons of lower and higher molecular weights, which comprises admixing with a low-boiling paraffin hydrocarbon having at least five carbon atoms per molecule a low-boiling cycloparaffin having at least five carbon atoms in the ring in an amount between about 5 and about 25 per cent by weight of the total hydrocarbons, subjecting the resulting admixture to reaction at a temperature between about 50 and about 300° F. in the presence of and intimately admixed with a liquid catalyst consisting of hydrofluoric acid and between about 0.1 and 10 per cent by weight of boron trifluoride, with a ratio of catalyst to hydrocarbon phases between about 0.1:1 and about 3:1, for a reaction time not exceeding about two hours to isomerize said low-boiling paraffin hydrocarbon, and recovering from effluents of said reaction a hydrocarbon fraction containing an isomeric paraffin so produced.

2,461,569
PACKAGING APPARATUS
John Riemer, Green Bay, Wis., assignor to Kraft Foods Company, a corporation of Delaware
Application August 29, 1946, Serial No. 693,782
9 Claims. (Cl. 93—39)

6. In apparatus of the class described, a reciprocable mandrel and means for effecting reciprocation thereof, means for folding a blank around one portion of said mandrel when the mandrel is at one end of its stroke, means for shifting the blank folded around said mandrel to another portion thereof upon movement of the mandrel to the other end of its stroke, a pawl mounted in said mandrel so as to be movable inwardly and outwardly thereof for engaging, when the pawl is in an outwardly disposed position, an

cellulose is esterified with an aliphatic acid anhy- lever, and having on its distal end a plunger ar-

edge portion of the shifted folded blank on the mandrel when the latter returns to the first mentioned end of its stroke, thereby to effect unitary movement of said mandrel and shifted folded blank, said pawl being movable inwardly of the mandrel so as to be slidable through a folded blank on the first mentioned portion of the mandrel when the mandrel moves to said other end of its stroke, a die aligned with said mandrel for movement of a portion of the mandrel through said die when the mandrel moves to said first mentioned end of its stroke, means for positioning a box blank between said mandrel and die when the mandrel is located at the other end of its stroke, said die being operative to fold said blank around the shifted folded blank on said mandrel when the mandrel is moved into and through said die to said first mentioned end of its stroke.



7. In apparatus of the class described, box forming means comprising a die and a plunger reciprocable into and out of said die for forcing a box blank into and through said die so as to form said blank into an open-topped box, means for receiving the box so formed upon its discharge from said die, said means being mounted for pivotal movement for transporting said open-topped box and inverting the same to constitute the same a downwardly facing flanged box cover, an upwardly tapering funnel structure positioned to receive said box cover in outwardly telescoped position on the smaller end of said funnel structure, and means for moving a package element upwardly through said funnel structure and into said cover.

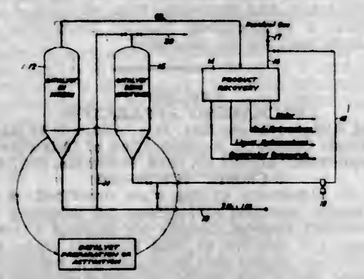
2,461,570

SYNTHESIS OF LIQUIDS FROM CARBON MONOXIDE AND HYDROGEN

Joseph K. Roberts, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application May 3, 1947, Serial No. 745,744

9 Claims. (Cl. 260—449.6)



1. The method of effecting synthesis of normally liquid products from carbon monoxide and hydrogen which method comprises contacting a previously conditioned synthesis catalyst in a synthesis step with a hydrogen-carbon monoxide gas charge under synthesis conditions, separating from synthesis effluent both normally liquid products and a residual gas consisting essentially of hydrogen, carbon dioxide and light normally gaseous hydrocarbons with only a small amount of carbon monoxide, contacting a fresh active synthesis catalyst with at least a portion of said residual gas at a temperature and pressure for conditioning the catalyst, and periodically changing the contacting sequence by employing catalyst from the conditioning step in the synthesis step and adding other fresh active catalyst to the conditioning step.

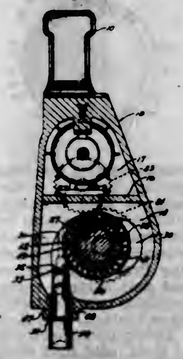
2,461,571

POWER-DRIVEN HAMMER

Girard C. Robinson, Maywood, Ill.

Application June 4, 1947, Serial No. 752,507

7 Claims. (Cl. 125—33)



1. In a power driven implement, a tool holder, a reciprocatory tool slidably mounted in said holder, a rotatable impact member having a circular opening therein and having a part positioned for impact engagement with said tool which is releasable by radial movement of said part out of engagement with said tool, means including a driving spindle having an eccentric rotatable within said circular opening of said impact member for effecting said radial movement after impact, a compression spring extending circumferentially around at least a portion of said eccentric, means on said spindle engageable with one end of said spring to transmit a driving force thereto in a circumferential direction when the spindle is rotated, means for transmitting said driving force from the other end of said spring to said rotatable impact member, said spring being positioned to be compressed after impact and to cause automatic forcible re-engagement with said tool after release, and a counterweight on said spindle projecting in a direction opposite from the direction which said impact part projects.

2,461,572

PROCESS OF RIPENING CELLULOSE ESTERS

Robert D. Rowley and Robert F. Thompson, Narrows, Va., assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application November 6, 1945, Serial No. 627,106

7 Claims. (Cl. 260—236)

1. In a process for the production of highly stable organic acid esters of cellulose wherein

cellulose is esterified with an aliphatic acid anhydride employing an aliphatic acid as solvent and an inorganic acid catalyst, the steps which comprise neutralizing the acid catalyst in the primary cellulose ester solution obtained on completion of esterification by adding a neutralizing agent thereto, positively heating the neutralized primary solution to a temperature above the esterification temperature and maintaining it at said elevated temperature for a short period of time while said solution contains unreacted aliphatic acid anhydride, adding water for ripening to said neutralized solution, and ripening the primary cellulose ester in solution to a secondary cellulose ester at an elevated temperature.

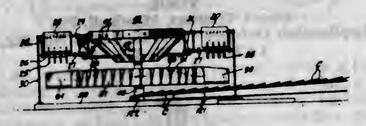
2,461,573

MACHINE FOR STUFFING NEWSPAPERS OR SIMILAR SHEET MATERIAL ASSEMBLAGES

Paul Schweizer, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y., a corporation of New York

Application April 2, 1945, Serial No. 586,084

23 Claims. (Cl. 270—55)



1. Machine for stuffing newspapers or like assemblages by insetting loosely within the folded jacket section one or more inner sections thereof, comprising an endless series of upright open-top conveying pockets with carrier mechanism to guide and advance the same around a horizontal orbit, a plurality of section feeding means operative at predetermined section receiving stations along such orbit and adapted to feed downwardly into each pocket during travel first a jacket section and therebeyond one or more inner sections, and means for opening the jacket section into V-form in each pocket before the reception of inner sections therein; each pocket being normally closed at bottom to retain received sections but openable for gravity delivery of the stuffed assemblage therefrom, and means for causing such bottom opening of the successive pockets upon each thereof reaching a predetermined delivery station beyond such receiving stations thereby to deliver downwardly the successive stuffed products to an outfeeding means.

2,461,574

FIRING MECHANISM

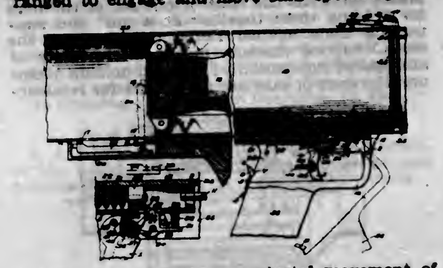
Leslie A. Skinner, Berkeley, Calif., and Julius A. Felse, Miami, Fla., assignors to the United States of America as represented by the Secretary of War

Application January 31, 1944, Serial No. 520,418

3 Claims. (Cl. 42—69)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a firearm of the type having a trigger housing and a hammer pivotally movable into and out of the bore of the firearm and controlled by a spring-pressed operating rod terminating forwardly in the trigger housing, the improvement comprising a trigger guard pivotally mounted on said trigger housing as a first-class lever, and having on its distal end a plunger arranged to engage and move said operating rod



to the cocked position on pivotal movement of said trigger guard.

2,461,575

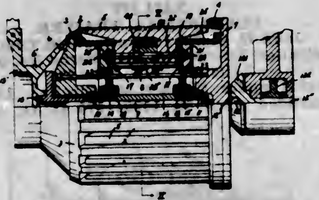
THREAD ADVANCING REEL

Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application July 21, 1945, Serial No. 606,383

In Canada July 21, 1944

15 Claims. (Cl. 28—71.6)



1. A thread-advancing reel comprising a set of spaced bars, means for rotatably mounting said set of bars comprising an end plate secured thereto at one end of the reel closing that end of the reel at which it is positioned, a second set of bars interdigitating with the bars of the first set, means for rotatably mounting the second set of bars comprising at least one supporting member extending inwardly therefrom, a shaft arranged generally centrally within the two sets of bars and extending between the end plate and the adjacent supporting member, an annular flexible sealing member connected to the second set of bars and connected to the end plate adjacent the juncture thereof with the first set of bars, and means protected within the region enclosed by the sealing member for imparting relative motion between the two sets of bars to effect advancing motion of the thread endwise of the reel.

2,461,576

REINFORCED THREAD-ADVANCING REEL

Richard W. Stanley, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

Application July 21, 1945, Serial No. 606,384

9 Claims. (Cl. 28—71.6)

2. Reel mechanism for handling strands and the like comprising two sets of annularly arranged, longitudinally extending bars, the bars of one set alternating with those of the other, means for simultaneously rotating the sets bodily as a unit, means for imparting relative motion between the bars of the two sets to effect advanc-

ing motion of the strand endwise of the reel, means adjacent the ends of one set of the bars

sleeve inserted through a perforation in said spacing member, an electrode supporting rod

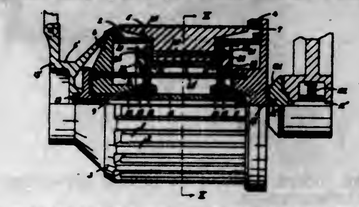
relative rotational movement to effect adjustment of said cutter bit shank radially of said

2,461,582

NITRAMINES AND THEIR PREPARATION

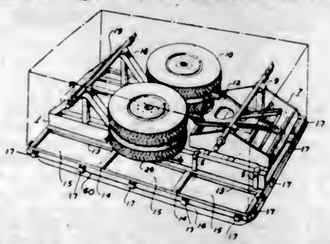
George F. Wright, Toronto, Ontario, and Walter

ing motion of the strand endwise of the reel, means adjacent the ends of one set of the bars for holding them together as a unit and supporting them against radial deflection by the strand carried thereon, means intermediate of and spaced substantially from said holding means and the ends of said one set of bars for reinforc-



ing said set against pressure exerted by the strand carried thereon, and means intermediate of and spaced substantially from the ends of the other set of bars for reinforcing them against pressure exerted by the strand carried thereon, the reinforcing means for each set of bars being spaced from the reinforcing means for the other set of bars sufficiently to avoid interference with relative movement between the sets of bars.

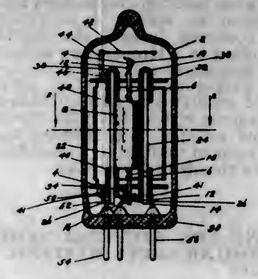
2,461,577
COLLAPSIBLE TRAILER
John H. Stark, Jr., Springfield, Ohio
Application February 6, 1945, Serial No. 576,438
5 Claims. (Cl. 296—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A vehicle trailer collapsible into a complete self-contained crate for packaging comprising, in combination, a frame, wheeled means supporting said frame, a floor carried by said frame, sill members rigidly secured on said floor and parallel to side edges thereof, side and end panels disposed about said floor, and separable means securing said floor and panels together to form a vehicle body, said floor with said sill members thereon being invertible to form respectively a base and external skids thereon of said crate, said panels being securable by said separable means to said base to form therewith closure members of said crate for packaging therein remaining portions of said trailer.

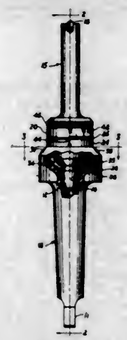
2,461,578
ELECTRODE ASSEMBLY FOR ELECTRON-DISCHARGE TUBES
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 1, 1945, Serial No. 597,056
7 Claims. (Cl. 250—27.5)

1. An electrode assembly comprising an insulating electrode spacing member, an insulating sleeve inserted through a perforation in said spacing member, an electrode supporting rod having a portion thereof surrounded by said in-



sulating sleeve, and means carried by said electrode supporting rod for supporting said insulating sleeve.

2,461,579
TOOL
Albert Thomas, Munhall, Pa.
Application October 15, 1945, Serial No. 622,309
1 Claim. (Cl. 279—6)



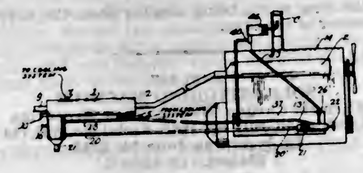
An adjustable boring bar comprising a shank member adapted at one end for attachment to a spindle and having at its other end a substantially conical, elongated bore axially offset with respect to but having its axis parallel with the axis of said shank member, and opposed symmetrically arranged, tapped bores intersecting said conical bore in a common annular plane; a tool supporting shank adapted at one end to receive a cutter bit and having at its other end a substantially conical, elongated boss axially offset with respect to but having its axis parallel with the axis of said tool supporting shank and coincident with the axis of said conical bore and provided with an annular V-shaped groove, said boss being adapted for mating assembly within said conical bore to dispose said V-shaped groove in coincident relation to the intersecting ends of said tapped bores; and pin means threadedly engaged in said tapped bores with their inner ends protruding into said annular V-shaped groove and adapted when loosened to secure said shank member and said tool supporting shank against axial dislocation while permitting

to be carried along with it for distances varying inversely with the specific gravity of the drops,

tatable motion relative to the arm alongside the full length of the package, the inside diameter

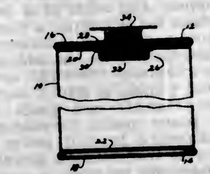
relative rotational movement to effect adjustment of said cutter bit shank radially of said shank member to overcome objectionable eccentric rotation of the tool when in use and adapted when tightened to abut a wall of said V-shaped groove at symmetrically disposed points to force said tool supporting shank axially into tight frictional engagement with said conical bore to lock said shank member and said tool supporting shank together for unitary rotation.

2,461,580
METHOD AND APPARATUS FOR EMULSIFYING FUELS
Sol B. Wieser, Washington, D. C., and Vaman R. Kokatnur, New York, N. Y.
Application January 28, 1944, Serial No. 520,098
10 Claims. (Cl. 123—25)



1. An internal combustion engine having a fuel emulsifier actuated thereby, means to supply a nonhomogeneous liquid in adjustably variable proportions as fuel mixture to the emulsifier, carburetor means to supply a homogeneous fuel mixture formed in the emulsifier to the engine and means to recycle excessive homogeneous fuel to the emulsifier.

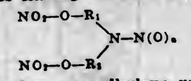
2,461,581
CONTAINER AND METHOD OF MANUFACTURE
Allen B. Wilson, Evanston, Ill., assignor, by mesne assignments, of one-half to Kimberly Stuart and one-half to Elizabeth R. B. Stuart, both of Menasha, Wis.
Application December 23, 1944, Serial No. 569,610
5 Claims. (Cl. 229—5.5)



1. A container comprising a hollow body with a continuous side wall formed of a sheet of paper-like material having reversely bent internal flanges along the two edges thereof at the ends of said container, sheet metal reinforcing rims of generally C-shaped cross-section clenched along and about said edges with the opposite lateral edges of said rims biting into the material of said sheet and flange respectively, the portion of each flange beyond its associated rim being formed into a series of radially inwardly projecting tabs; and end walls for the container each formed from a sheet of paper-like material disposed within said body portion at the inner side of the corresponding series of tabs and secured to said tabs.

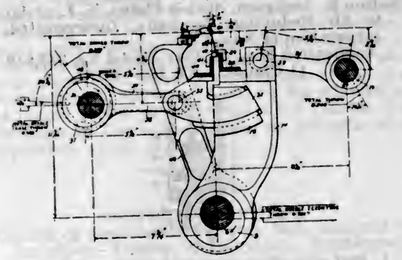
2,461,582
NITRAMINES AND THEIR PREPARATION
George F. Wright, Toronto, Ontario, and Walter John Chute, Kentville, Nova Scotia, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada
No Drawing. Application December 30, 1944, Serial No. 570,813
8 Claims. (Cl. 260—467)

1. As a new composition of matter, a member of the group consisting of the nitramines and nitroso-amines having the structural formula



wherein R_1 and R_2 are alkylene radicals and n is a whole number less than 3.

2,461,583
KNITTING MACHINE
George O. Young, Robesonia, Pa., assignor to Vanity Fair Mills, Inc., Reading, Pa., a corporation of Pennsylvania
Application December 30, 1946, Serial No. 719,229
15 Claims. (Cl. 66—86)



1. In a knitting machine employing sinkers and thread guides, the improvement which includes a needle-bar-carrying arm; a main eccentric-carrying shaft having an eccentric on which said arm is carried; a tongue-bar carrier carried by said needle-bar-carrying arm; a needle bar mounted on said needle-bar-carrying arm; a needle mounted on said needle bar; a tongue bar mounted on said tongue-bar carrier; a tongue mounted on said tongue bar; and means for moving said needle-bar-carrying arm and said tongue-bar carrier transversely in timed relation to the movements of said needle-bar-carrying arm under the influence of said eccentric to cause the needle and tongue to effect their knitting cycles.

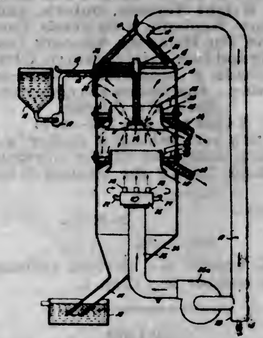
2,461,584
AIR SEPARATION METHOD FOR SLURRY SEPARATION
Axel Brix Andersen, Larchmont, and Knud Horn, New York, N. Y., assignors to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application June 14, 1944, Serial No. 540,284
6 Claims. (Cl. 202—139)

1. A method of treating slurry, which comprises creating a current of air through an enclosed space, discharging slurry into the air current by atomizing the slurry to form a fine spray thereof, the air current causing the drops of slurry

to provide a closure for said handbag, of a pair of crossed extensions of said frame arms, a compressible expansive member interposed between said extensions and adapted to be compressed thereby

material between the electrode and the casing, an exteriorly threaded metallic shell, and a heat insulating material between the casing and the shell surrounding and partly enclosing the ex-

to be carried along with it for distances varying inversely with the specific gravity of the drops,



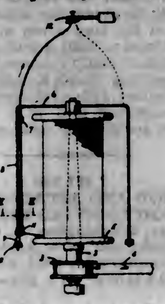
and separately collecting fractions of the slurry at points spaced along the path of flow of the air.

2,461,585
TRACER WITH POWER-DRIVEN STEERABLE TRACTION WHEEL
Nelson E. Anderson, Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, a corporation of New York
Application May 22, 1947, Serial No. 749,810
11 Claims. (Cl. 250—41.5)

1. Self-propelled steerable apparatus comprising a traction wheel, a member in which the traction wheel is rotatably mounted, a drive shaft for the traction wheel whose axis intersects the axis of rotation of the traction wheel, said member being rotatable about the axis of the drive shaft to steer the traction wheel, power means for rotating the drive shaft at a substantially constant speed, and reduction gearing between the drive shaft and the traction wheel, said traction wheel being positioned so that its point of contact with the surface along which the traction wheel travels is located to one side of the axis of the drive shaft.

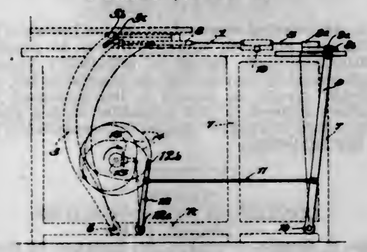
2,461,586
UP-TWISTER
René Bouvet, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 7, 1946, Serial No. 652,580
4 Claims. (Cl. 57—116)

1. In an up-twister, the combination of a rotatable spindle, means for rotating the spindle, a package carrier on the spindle, a flyer rotatably mounted on the spindle having a guide eye fixedly secured to an upper portion of the flyer and having an arm extending downwardly from said guide eye and being free of obstruction along the full length of the package, said guide eye being disposed inwardly of the arm, and a ring guide mounted on said arm for freely slidable and rotatable motion relative to the arm alongside the full length of the package, the inside diameter



of the ring guide being greater than the outside diameter of the arm.

2,461,587
SOLE STITCHING MACHINE
Carmelo Carlino, Buenos Aires, Argentina
Application July 18, 1945, Serial No. 605,784
In Argentina June 14, 1945
3 Claims. (Cl. 112—2)

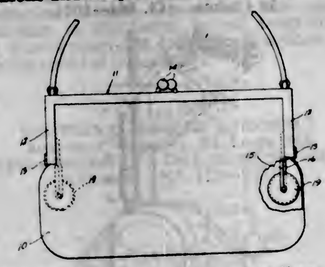


1. A machine for stitching the soles of canvas shoes or the like comprising a frame, guide means supported on the top of the frame, molds movably mounted in the guide, feeder means for moving said molds step-by-step from one end of the frame to the other, said molds being formed to hold the uppers and soles of a canvas shoe in proper position for stitching, a needle carrier mounted on the said frame transverse the said mold guide, a needle mounted in said carrier having associated integrally therewith an auxiliary punch, a second punch, a punch carrier oppositely positioned across said guide from said needle carrier, power means for said machine, a drive shaft connected to said power means, a driven shaft, a gear transmission operatively connecting said shafts for rotation, a cam disc carried by the driven shaft, a lever actuated by said cam for driving said mold feeder means, and means actuated by the pressure of one of the molds for causing a double alternate linear displacement of the feeder movable into the guide passage between molds, whereby an alternate punching and sewing operation is provided.

2,461,588
HANDBAG SOUNDING DEVICE
Abraham S. Cooper, Brooklyn, N. Y.
Application August 6, 1943, Serial No. 42,876
3 Claims. (Cl. 116—99)

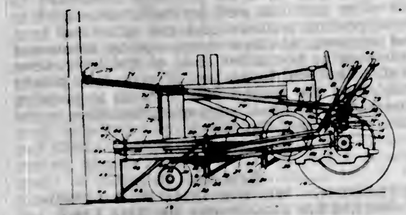
1. The combination with a handbag including a pair of frame arms hingedly connected together

to provide a closure for said handbag, of a pair of crossed extensions of said frame arms, a compressible expansive member interposed between said extensions and adapted to be compressed thereby



as said arms are moved to a handbag-closing position, means for expanding said member as said extensions move apart upon opening of said arms, and said member being adapted to emit a sound upon at least the expansion thereof.

2,461,589
PORTABLE POWER-DRIVEN TREE FELLING CIRCULAR SAW
James R. Crawford, Clinton, S. C.
Application November 13, 1944, Serial No. 563,238
4 Claims. (Cl. 143—43)



1. A tractor including a hydraulic lift embodying a swinging arm to move longitudinally of the tractor, a support mounted upon the tractor, a pusher device extending longitudinally of the tractor and mounted upon the support and extending forwardly beyond the tractor, a sleeve slidably receiving the rear end of the pusher device and pivotally connected with the swinging arm, a lever pivotally mounted upon the swinging arm, a link connecting the lever and pusher device, and means to lock the lever in the selected adjusted position.

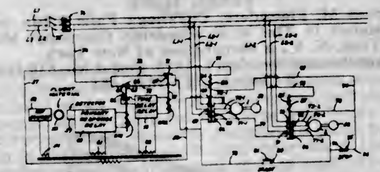
2,461,590
SPARK PLUG
Louis H. Crook, Washington, D. C.
Application December 9, 1943, Serial No. 513,561
8 Claims. (Cl. 123—169)

8. In a spark plug having a hollow metallic casing, an electrode within the casing, a dielectric material between the electrode and the casing, an exteriorly threaded metallic shell, and a heat insulating material between the casing and the shell surrounding and partly enclosing the exposed end of said electrode and casing, said shell protecting the exposed end of said heat insulating material.

2,461,591
WHEEL BALANCING MACHINE
Loren C. Currier, Tulsa, Okla.
Application April 17, 1947, Serial No. 741,967
1 Claim. (Cl. 73—66)

The combination with a wheel balancing machine comprising a wheel support, said wheel support having an outer sleeve, an inner balance point sleeve within the first mentioned sleeve, said first mentioned sleeve having a vertical slot with spaced lugs, thereby forming spaced notches, said balance point sleeve having a lug adapted to be placed in any of said notches for varying the elevation of the balance point on the axis of a supported wheel.

2,461,592
INSPECTION SYSTEM
Camiel de Brabander, Newport, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application September 28, 1946, Serial No. 700,151
16 Claims. (Cl. 103—11)



1. In combination, a ray source, a ray detector, means for feeding a fluent material through a path comprising an inspecting station disposed in the ray path from the source to the detector, two actuatable elements, means for actuating one of the elements in response to an impulse of the detector, means the operation of which is initiated by the actuation of said one element for actuating the other element only after the actuated condition of the first is maintained for a minimum predetermined interval of time by an impulse of sustained character on the detector, and means influenced by the simultaneous existence of the actuated condition of both elements for altering the operation of the feeding means.

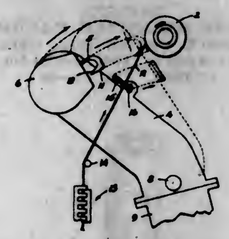
2,461,593
WINDING MACHINE
Ferdinand A. Decker, Jr., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware

2,461,595
RETRACTABLE LANDING GEAR
Edwin E. Foster, Austin, Tex.
Application October 15, 1943, Serial No. 506,405
14 Claims. (Cl. 244—102)

overrunning clutch connecting said steering mechanism to the power takeoff from the engine when the speed of the engine exceeds the speed of the vehicle, and means including an overrunning clutch connecting said steering

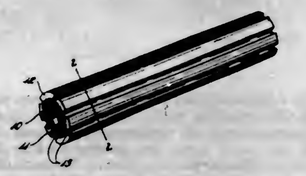
ing about two hours to isomerize said low-boiling paraffin hydrocarbon, and recovering from

2,461,593
WINDING MACHINE
Ferdinand A. Decker, Jr., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application August 5, 1944, Serial No. 548,151
10 Claims. (Cl. 242—18)



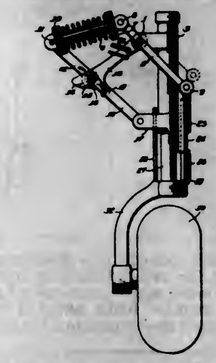
1. In combination, a rotatable winding head, means spaced from the head for engaging a yarn and controlling the path of the yarn on its way to the head, a reciprocable guide for traversing the yarn longitudinally of the head, supporting means for the guide, said supporting means being movable toward and away from said head to bring the guide respectively into and out of a position adjacent the head in which it is in winding relationship with the yarn and the head, a tail guide mounted on the movable supporting means and arranged to guide the yarn independently of the reciprocable guide to a winding position axially offset from that of the reciprocable guide, said guides being arranged for movement thereof toward the head along parallel offset paths directed at an acute angle to the plane of the yarn path from the controlling means to the head so that movement of the guides toward the head causes release of the yarn from the non-reciprocable guide and pick-up of the released yarn by the reciprocable guide.

2,461,594
STEAM HOSE
James M. Flounders, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 1, 1945, Serial No. 619,513
5 Claims. (Cl. 138—55)



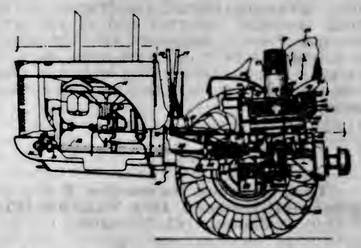
1. A flexible hose for handling heated fluids, said hose comprising a tubular lining of flexible material resistant to heated fluids, a reinforcing body on said lining, and a covering of flexible material having high resistance to penetration of fluids, said covering being recessed in the outer surface thereof substantially to said reinforcing body for venting communication of said reinforcing body with the atmosphere outside said hose.

2,461,595
RETRACTABLE LANDING GEAR
Edwin E. Foster, Austin, Tex.
Application October 15, 1942, Serial No. 506,405
14 Claims. (Cl. 244—102)



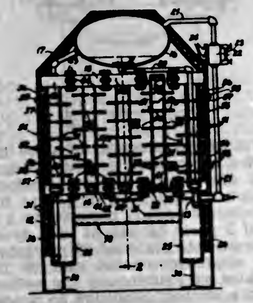
1. A retractable landing gear for an aircraft wheel comprising a shaft secured on a part of the aircraft, a wheel supporting member mounted to rotate on the shaft, a pair of lever arms rotatably mounted on said shaft intermediate their ends and abutting at one end on the supporting member, a pair of arms pivotally connected to each other and one end pivotally connected to the supporting member and the other end to a fixed support, a compression spring connected at one end to the other ends of the lever arms and the other end to the pair of arms, and means for latching the second pair of arms in position to maintain the wheel supporting member in the "down" position of the wheel.

2,461,596
STEERING MECHANISM FOR TWO-WHEELED TRACTORS OR THE LIKE
Henry C. French, Elm Grove, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application November 18, 1946, Serial No. 710,636
11 Claims. (Cl. 180—79.4)



3. In combination, a wheeled pulling vehicle having an engine, a trailer vehicle, a first fifth wheel pivot member on the pulling vehicle, a cooperating fifth wheel pivot member rotatable with respect to said first fifth wheel pivot member and connected to the trailer vehicle, a power takeoff from said engine, a power takeoff from the wheels of the pulling vehicle, steering mechanism at the fifth wheel for causing relative rotation in a selected direction between said two fifth wheel pivot members, means including an overrunning clutch connecting said steering mechanism to the power takeoff from the engine when the speed of the engine exceeds the speed of the vehicle, and means including an overrunning clutch connecting said steering mechanism to the power takeoff from the vehicle wheels when the speed of the vehicle overtakes the speed of the engine.

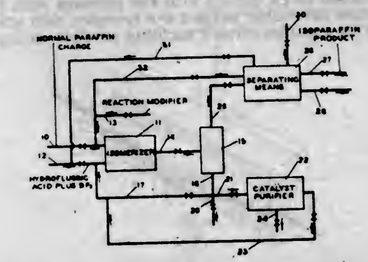
2,461,597
SECTIONAL BOILER ASSEMBLY
Andrew J. Gallaher, St. Louis, Mo.
Application April 27, 1945, Serial No. 590,677
5 Claims. (Cl. 122—223)



3. In a sectional boiler, a plurality of sections each including a box-like body characterized by substantially planar side wall elements and each section including a plurality of planar baffle plates, each extending through and laterally beyond each side of the section, the baffle plates being arranged in vertical rows in each section with adjacent such rows staggered in such manner that adjacent sections may be relatively inverted, and so present a corresponding arrangement of baffles in adjacent sections, but in vertically spaced relation, whereby to provide a zigzag flame path of substantial width extending between and substantially co-extensive with the lateral surfaces of each pair of adjacent sections from bottom to top of the assembled boiler, and a pair of header elements external to each section, and providing separable connections enabling introduction and removal of each section, separately from other sections.

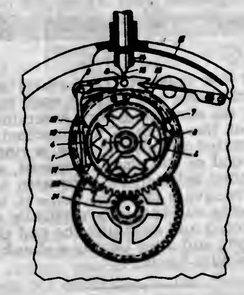
2,461,598
PROCESS FOR THE ISOMERIZATION OF PARAFFINS
James D. Gibson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application January 1, 1944, Serial No. 516,659
19 Claims. (Cl. 260—683.5)

1. A process for effecting the isomerization of a low-boiling normally liquid paraffin hydrocarbon with a minimum of conversion to paraffin hydrocarbons of lower and higher molecular weights, which comprises admixing with a low-boiling paraffin hydrocarbon having at least five carbon atoms per molecule a low-boiling aromatic hydrocarbon in an amount not greater than about 5 per cent by weight of the total hydrocarbons, subjecting the resulting admixture to reaction at a temperature between about 50 and about 300° F. in the presence of a liquid catalyst consisting of hydrofluoric acid and between about 0.1 and 10 per cent by weight of boron trifluoride for a reaction time not exceeding about two hours to isomerize said low-boiling paraffin hydrocarbon, and recovering from



effluents of said reaction a hydrocarbon fraction containing an isomeric paraffin so produced.

2,461,599
HOUR-INCREMENT HOUR HAND SETTING MECHANISM
Jean Pierre Graef, La Chaux-de-Fonds, Switzerland
Application September 2, 1944, Serial No. 552,489
In Switzerland July 22, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires July 22, 1963
5 Claims. (Cl. 58—80)



1. In a watch, a star-shaped wheel, an hour hand in connection with said star-shaped wheel, an hour wheel, a means in relation with said star-shaped wheel, adjusted to drive the latter in either rotating direction relative to said hour wheel in order to rotate said hour hand independenly of any movement of said hour wheel, and a pawl in driven connection with said hour wheel and in engagement with said star-shaped wheel to drive said latter on normal advance movement of said hour hand provoked by said hour wheel and to trail over said star-shaped wheel when the latter is driven by said means.

2,461,600
APPARATUS FOR VULCANIZING ARTICLES
Alvin N. Gray, Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 11, 1945, Serial No. 572,324
3 Claims. (Cl. 18—43)

3. In a molding apparatus including a pair of complementary mold sections having complementary elongated, tapered recesses formed

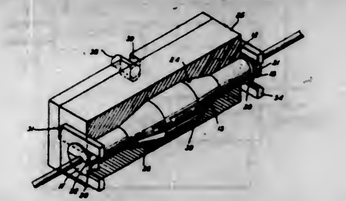
therein, the improvement which comprises a pair of rigid shells having flanges on the ends thereof, designed to fit closely into the recesses with the

2,461,602
PATTERNED TEXTILE MATERIAL
Robert Lee Hunter and Ralph Donnel Cramer,

ible inner and outer end portions slidable one against the other, one of said portions having a series of spaced seats, a stud on the other of said portions to selectively engage said seats, a

said pole, strained toward each other and wedgingly inserted and retained in the open end of

therein, the improvement which comprises a pair of rigid shells having flanges on the ends thereof, designed to fit closely into the recesses with the flanges extending beyond the recesses, said shells having complementary molding cavities enlarged



at the central portions thereof, tapering to semi-cylindrical grooves at the ends thereof and also being provided with grooves in the flanges thereof for providing clearance for a core, and a pair of U-shaped clamps for clamping the shells together at the flanges thereof.

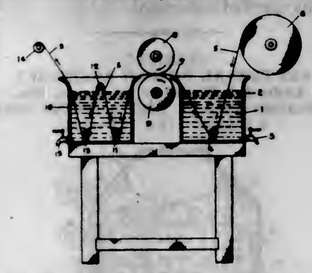
2,461,601
PORTABLE GOLF TEE SUPPORT
Homer D. Hendricks, Seattle, Wash.
Application May 2, 1947, Serial No. 745,607
3 Claims. (Cl. 273—33)

1. A golf tee support, comprising a flexible pad provided at one end with an open notch, said pad having an elongated bore extending to the closed end of the notch, a longitudinally elastic element mounted within the bore, a ring secured to the free end of the elastic element, a tubular holder provided between its ends with a reduced portion for receiving the ring thereon, the tubular holder being substantially vertically arranged within the notch and engaging the pad above and below the bore, and a tee having a shank inserted within the tubular holder.

2,461,602
METHOD OF MANUFACTURING SYNTHETIC SUTURES AND THE LIKE
John P. Heilihan, Jr., Garden City, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 17, 1946, Serial No. 641,865
5 Claims. (Cl. 18—54)

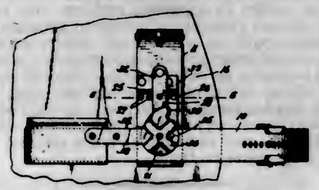
1. Method for the manufacture of threads and the like comprising an integral mass of fibers which occur in animal sinews, tendons, and the like, which comprises suspending the fibers in an aqueous acid solution, extruding the suspension into a non-basic coagulating and dehydrating medium to form acidic filaments, withdrawing and drying the thus formed acidic filaments and raising the pH on the filaments while swelling the fibers to approximately twice their normal dry size by treating them with water to which has been added from about 6 to 6.5 cc. of concentrated ammonium hydroxide and from about 1 to 1.2 grams of ammonium chloride, per liter, and thereafter drying the filaments while stretching them from about 14 to 16%.

2,461,603
PATTERNED TEXTILE MATERIAL
Robert Lee Hunter and Ralph Dennal Cramer, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
Application July 14, 1944, Serial No. 544,948
1 Claim. (Cl. 8—17)



Process for the production of dyed and patterned fabrics, the pattern of which is delineated by lustrous and substantially lusterless areas, which comprises immersing a fabric having a basis of a cellulose acetate material in a solution consisting of 2 parts by weight of a dyestuff for the cellulose acetate material 68 parts by weight of a lower aliphatic alcohol and 30 parts by weight of water, and subjecting the wetted material while in a swollen condition to pressure between a pair of unheated rotating, cylindrical surfaces, one of which surfaces is smooth and the other of which is engraved in the desired pattern.

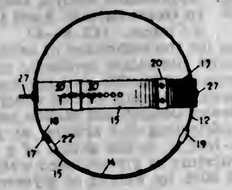
2,461,604
PROTECTIVE DEVICE
Francis D. Huntsman, Salt Lake City, Utah
Application May 28, 1945, Serial No. 596,233
2 Claims. (Cl. 2—8)



1. In a protective device, a headgear member, a shield having a side member disposed outside of said headgear member, a pivot on one side of the device on which said members are mounted, a plate fixed to one of said members adjacent to said pivot, a rack on said plate, a control element comprising a disc turnable on said pivot and a spring arm disposed over and cooperable with said rack, another control disc on said pivot fixed on said other member, said discs having interlocking radial ridges ridable over one another, a spring urging said discs together, and a pivot on the other side of the device on which said headgear member and shield member are mounted.

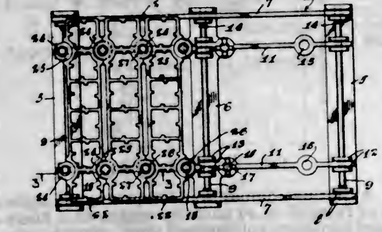
2,461,605
HEADGEAR
Francis D. Huntsman, Salt Lake City, Utah
Application May 29, 1945, Serial No. 596,461
3 Claims. (Cl. 2—8)

1. In headgear of the character described, a head contacting band comprising lapping flexible inner and outer end portions slidable one against the other, one of said portions having a series of spaced seats, a stud on the other of said portions to selectively engage said seats, a laterally projecting finger piece on said stud-carrying portion near said stud, a slide member



fixed to one of said portions near its end and having parts between which the other of said portions is slidable, and another member for holding said inner and outer band portions together and slidable thereon between said stud and fixed slide member to and from its holding position in transverse alinement with the stud.

2,461,606
WORK SUPPORTING MEANS FOR HEAT TREATING FURNACES
Harold F. Jackson, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application August 2, 1946, Serial No. 688,129
8 Claims. (Cl. 263—47)



1. In a work supporting means of the class described, a flexible structure having transversely spaced bars, and a plurality of tray sections of oblong rectangular form mounted in side-by-side relation on said bars and capable of flexing movements relative to each other and to the bars.

2,461,607
CLOTHESLINE PROP
Fred E. Kuff, Baltimore, Md.; William Foreman and H. Levin Morvitz, executors of said Fred E. Kuff, deceased, assignors to The Southern Galvanizing Company, Baltimore, Md., a corporation of Maryland
Application January 10, 1945, Serial No. 572,231
6 Claims. (Cl. 248—353)

1. A prop for clotheslines or the like comprising a pole, consisting of a length of pipe, having a recess at one end thereof, a resilient clip having two spaced resilient legs, said clip including means connecting said legs at their ends where they join the clip, and said legs having their free ends extending from the clip towards said pole, strained toward each other and wedgingly inserted and retained in the open end of

said pipe, and a snap hook on said clip for releasable connection with a line.

2,461,608
VALVE CONTROL APPARATUS
Marvin R. Laing, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 17, 1942, Serial No. 455,089
8 Claims. (Cl. 236—68)

1. In a condition control system, in combination, a step-opening electric valve for supplying a fluid fuel to a burner at minimum and maximum rates of flow comprising a pair of valves, an actuating winding for each valve operable to move the same between closed and open positions when energized, and an electric time switch having an electric heater therein associated with the windings for providing a time delay between the energization of the windings, means responsive to a condition indicative of a need for operation of the burner for concurrently initiating the energization of one of the windings and said time switch to open one of said valves thereby providing a minimum rate of flow of the fuel, said time switch initiating a time period and being operable at the end of the period to concurrently reduce the flow of energizing current to said electric heater and energize the other of the windings to open the other of said valves to provide a mixmum rate of flow.

2,461,609
COMBINATION CRADLE AND PERAMBULATOR
Harry B. Light, San Gabriel, Calif.
Application November 23, 1946, Serial No. 711,871
7 Claims. (Cl. 280—31)

3. In a combination rocker and perambulator, a body, a vertically swinging running gear on said body for movement to and from a retracted or an advanced position embodying a wheeled axle, a yoke pivotally attached to said axle, a rocker-arm pivoted on said body, a link leading from one

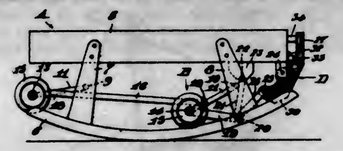
end of said rocker-arm to said yoke, a pivot con-

2,461,612
DYEING OF RESINS WITH POLYHYDROXY

device comprising a support provided with aperture means positioned to align with and be held

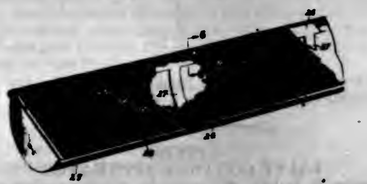
2,461,616
CONTACT FIXTURE
Charles W. P. Walter, Woodhaven, N. Y., assignor

end of said rocker-arm to said yoke, a pivot connecting said link to the outer end of said yoke,



and a link connected to said pivot having its outer end connected relative to said body.

2,461,610
SCREENED EAVES TROUGH
Chester R. Lord, Mineral City, Ohio
Application November 1, 1946, Serial No. 707,101
1 Claim. (Cl. 108—28)



The combination with an eaves trough, of a screening means supported within said trough, said means comprising an open frame positioned within said trough, and a reticulated member extending across the open end of said trough and having its ends interposed between said frame and said trough for securing the reticulated member thereto, said frame embodying a pair of longitudinally extending side strips and a plurality of curved strips arranged in spaced relation with respect to each other and secured to the longitudinal strips.

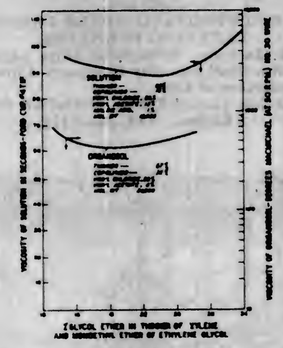
2,461,611
GUN FOR SPRAYING POWDER
David L. Lott, Denver, Colo.
Application March 3, 1947, Serial No. 731,975
3 Claims. (Cl. 222—193)

1. A dust gun comprising, an elongated housing closed at both ends, an air manifold near one end, a branched discharge opening in the wall of the manifold, a tube extending from one of the branches to a point near the other end of the housing, the wall of the housing having a discharge nozzle in substantial axial alignment with the open end of the tube, a second tube communicating the other branch of the discharge opening with the first mentioned tube at a point adjacent the discharge end of the latter, a valve means positioned in the discharge opening for directing air from the manifold to either tube, a gravity responsive means for positioning the valve to direct an air stream into the first mentioned tube when it is upwardly inclined and into the second mentioned tube when the parts are downwardly inclined, the first mentioned tube having its wall provided with an opening adjacent the valve, and means for supplying the manifold with air under pressure.

2,461,612
DYEING OF RESINS WITH POLYHYDROXY ALCOHOL ASSISTANTS
Henry Charles Olpin and Alexander James Wesson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 5, 1945, Serial No. 586,230. In Great Britain April 18, 1944
2 Claims. (Cl. 8—4)

1. Process for the coloration of articles of polymerized diallyl phthalate synthetic resins which are substantially infusible and substantially insoluble in organic liquids and of which the skeleton of the molecules contain carbon atoms, which comprises subjecting the articles at a temperature of 130–180° C. to the action of a solution of a dye in a mixture of glycerol and water containing at least 50% by weight of glycerol.

2,461,613
DISPERSIONS OF VINYL CHLORIDE RESINS
Richard W. Quarles, Pittsburgh, and Clayton I. Spessard, Leechburg, Pa., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
Application July 5, 1947, Serial No. 759,200
7 Claims. (Cl. 260—33.2)

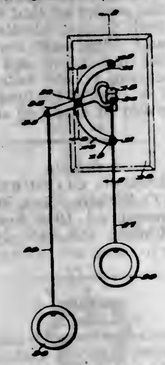


1. A coating composition comprising a suspension of from 25 to 40 parts by weight of a finely-divided emulsion-polymerized vinyl chloride polymer containing from 90 to 100% vinyl chloride by weight and having an average molecular weight above 20,000, in from 50 to 100 parts by weight of a suspension media composed of from 10 to 40% by weight of a lower monoalkyl ether containing up to six carbon atoms in the alkyl radical of a glycol from the group consisting of ethylene and diethylene glycol and from 60 to 90% by weight of a liquid aromatic hydrocarbon, said suspension media containing dissolved therein from 2 to 10 parts by weight of a copolymer including combined vinyl chloride and vinyl acetate containing from 80 to 92% vinyl chloride by weight and having an average molecular weight of from 6000 to 15000.

2,461,614
FLUSH TOGGLE SWITCH ATTACHMENT
Robert E. Seaman, Lansing, Mich.
Application July 9, 1946, Serial No. 682,196
4 Claims. (Cl. 200—172)

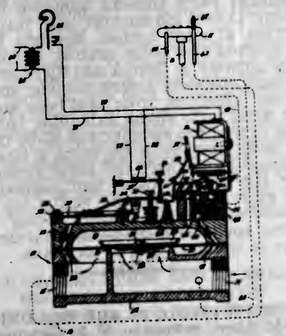
2. A device for attachment to a wall type toggle switch of the type provided with a toggle protruding through a flat removable switch plate; said

device comprising a support provided with aperture means positioned to align with and be held in place by the switch plate securing means of the switch, a pivot carried by said support and positioned to lie laterally of the toggle of the switch, a lever of the first class mounted on said pivot



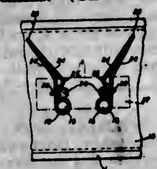
and swinging in a plane parallel to the plane of the switch plate, said lever having a bifurcated end adapted to embrace the toggle of the switch, and pull cords secured to the opposite ends of said lever whereby said lever may be swung in either direction about said pivot.

2,461,615
FLUID CONTROL DEVICE
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application September 25, 1943, Serial No. 503,771
23 Claims. (Cl. 137—139)



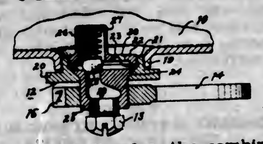
10. In a flow control device, a main valve, pressure responsive means for positioning said main valve, control means for actuating said pressure responsive means, a first means for operating said control means to move said main valve to a predetermined partly open position, a second means responsive to pressure in the outlet portion of said device for operating said control means to move said main valve to a predetermined substantially fully open position, heat responsive means yieldably resisting said last named movement, and adjustable means for regulating the flow in ratio to the pressure in the outlet portion of said device.

2,461,616
CONTACT FIXTURE
Charles W. P. Walter, Woodhaven, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1945, Serial No. 585,477
6 Claims. (Cl. 173—328)



6. A contact fixture for electrically connecting a unit, having terminals mounted adjacent the limits of a given overall distance with respect to each other, in an electrical circuit, the contact fixture comprising a panel of dielectric material having spaced apertures therein, supporting posts extending through the apertures in the panel and having outer and inner end portions, the latter being connected electrically to leads of an electrical circuit, and contact springs having like ends secured to the outer portions of the posts, adjacent first portions wound spirally on the outer end portions, like second portions extending diagonally toward each other to positions short of the said distance of the terminals, third portions extending diagonally away from each other to positions greater distances apart than the said distances of the terminals, substantially reverse bends formed at the ends of the third portions, fourth portions extending diagonally toward each other to positions short of the said distance of the terminals and fifth portions extending diagonally away from each other to cooperate with the first and second portions to form resilient pockets for removably locking the terminals in place.

2,461,617
ROTARY BALL VALVE
John Landon Waters, Salem, Oreg., assignor, by mesne assignments, to Carl F. Gerlinger, Dallas, Oreg.
Application July 31, 1944, Serial No. 547,353
6 Claims. (Cl. 251—132)



6. In a rotary ball valve, the combination of a valve supporting collar adapted to be connected to a source of fluid supply, said valve supporting collar having a central opening with a conical shoulder formed intermediate its ends, a rotatable valve seat member having a conical portion adapted to engage the conical shoulder of said collar and a fluid conduit extending therethrough and terminating at one end thereof eccentric to the axis about which said rotary valve seat member turns, a spring retaining member extending over the inner end of said valve seat forming member, an eccentrically disposed compression spring carried by said spring retaining member, a spherical ball interposed between one end of said spring and said valve seat forming member, said spring being arranged and adapted to operate through said spherical ball and bias said

valve seat forming member into sealing relation with the conical shoulder within the opening of said threaded valve supporting collar and also

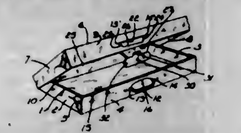
pipe supply and servicing connections to the tank above and below said bed of treating material respectively, and a series of fixed water jet ele-

openings aligned with the openings of said plate and having an extension beyond the periphery of said disc sharpened to a wedge edge at one side,

silhouette or image to be observed and the reading obtained when viewed from the non-illuminated face of said diaphragm, means for supporting said metering device closely adjacent the face

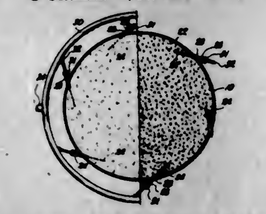
valve seat forming member into sealing relation with the conical shoulder within the opening of said threaded valve supporting collar and also position and bias said spherical ball into valve closing relation with the eccentrically disposed inner end of the fluid conduit of said valve seat forming member, and means at the other end of said valve seat forming member by which it may be turned to move the eccentrically disposed end of its fluid conduit out of and into registering relation with said spherical ball.

2,461,618
FOLDING BOX
Alvin Whittaker, Burbank, Calif.
Application October 9, 1945, Serial No. 621,201
1 Claim. (Cl. 229—52)



In a one-piece folding box adapted to form a bottom provided with upstanding side walls and a front end wall, a cover provided with upstanding side walls and a front end wall, and an end wall common to the bottom and cover, the provision of: a slit formed in the mid portion of the front end wall connected to the bottom, said slit having end portions extending from longitudinally spaced aligned points of origin substantially midway between the longitudinal edges of the front end wall in a direction toward the free edge of said wall, and a central portion adjacent such free edge; an aperture in the mid portion of the front end wall of the cover, said aperture having one longitudinal edge extending between points in substantial registry with the points of origin of the slit when said front end wall of the cover is placed in overlapping relation to the front end wall of the bottom, and a curved marginal edge having end portions extending toward the free edge of the end wall and a central portion adjacent such free edge; said aperture being of a size and shape to freely receive the bail of a handle extending from the points of origin of the slit while lying substantially flat against said first front end wall, the front end wall of the cover adjacent the longitudinal edge of the aperture covering the slit and holding the bail against lateral movement.

2,461,619
AUXILIARY BACKWASH FOR WATER-TREATING SYSTEMS
Herbert Wolcott, Columbia, Mo.
Application January 12, 1945, Serial No. 572,526
3 Claims. (Cl. 210—144)



1. In a closed water treating system, a tank having a bed of granular water-treating material, pipe supply and servicing connections to the tank above and below said bed of treating material respectively, and a series of fixed water jet elements projecting in substantially coplanar relation from the interior wall of the tank at the bottom of said bed of material at equally spaced intervals about the center of said bed and having the discharge ends thereof all directed at angles intersecting radii from said center which are traversed by the jets from said water jet elements, for producing a joint water action operative to impart a rotary washing movement to the bottom portion of said bed of treating material.

2,461,620
DISPENSING CLOSURE CAP
Ray C. Wright, Flint, Mich.
Application November 1, 1946, Serial No. 707,160
1 Claim. (Cl. 215—74)

A sealing and dispensing closure for attachment to the lip of the open mouth of the container adapted to contain a liquid, comprising a cap made of resilient material and including a substantially flat top member and substantially cylindrical walls depending therefrom so as to form a chamber for the reception therein of said lip, said top member having an opening arranged substantially centrally thereof and communicating with the interior of the mouth of the bottleneck, a dispensing valve element mounted for sliding movement in said top member, said valve element embodying a lower arched disc-like base normally bearing upwardly against the bottom of said top member to form a seal therebetween and a vertically-disposed hollow tubular shank open at its top projecting from said base and carried by the latter, said shank extending through the opening in said top member and slidably movable in the latter opening, there being a lateral aperture extending through the lower portion of the wall of the hollow shank and normally sealed by the walls of the opening in the top member, said dispensing valve element being openable upon the application of a downwardly-directed pressure to the open end of its shank.

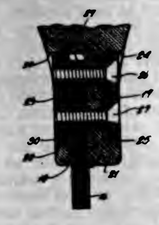
2,461,621
MICROTOME BLADE HOLDER
Robert R. Allen, Arlington, N. J., assignor to Custom Scientific Instruments, Inc., Arlington, N. J., a corporation of New Jersey
Application April 23, 1947, Serial No. 743,335
6 Claims. (Cl. 88—40)

5. Microtome cutting element which comprises a blade mounting disc having a hub to receive a spindle, an intermediate zone of decreasing thickness and a peripheral margin of relatively less thickness, said margin having slots at balanced positions extending inwardly from the periphery, said disc having openings one for each slot, entering from one side face to said slot, a plate in each said opening, said plate having a pair of tapped holes, a blade for one of said slots having a shank mounted in said slot and having a pair of spaced

2,461,625
TELESCOPIC STRUCTURE
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application July 26, 1945, Serial No. 607,213

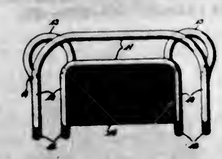
tion and providing a supporting surface for the body of the patient, a pair of spaced semi-circular rods concentric with said axis, secured to and depending from the under side of said section, a transverse rod fast to said support and arranged generally parallel with said axis adjacent said

openings aligned with the openings of said plate and having an extension beyond the periphery of said disc sharpened to a wedge edge at one side,



and a pair of screws extending from the face of said disc opposite said opening through the holes in said blade and into the holes in said plate and a balancing blank in the other of said slots.

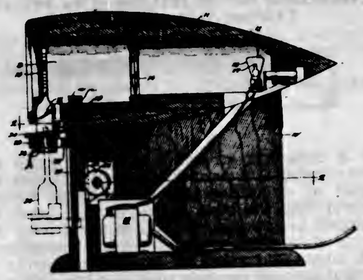
2,461,622
FOOTREST
Nicholas Alikas, Plainville, Conn.
Application July 18, 1946, Serial No. 684,422
1 Claim. (Cl. 155—169)



A foot rest comprising a rod of pliable resilient material doubled into an endless loop of parallel counterparts which in turn are bent at certain points from the middle of said loop to form two horizontally disposed U-shaped portions, one of them being within and parallel to the other, the arms of said U-shaped portions being in turn bent at certain points forming two pair of perpendicularly disposed parallel legs, said legs being in turn bent at certain points in a horizontal direction forming two pair of parallel feet running directly beneath and parallel to the arms of the said U-shaped portions and terminating in a somewhat paw-shaped flared loop; and covering material laid across the open space of the inner one of the said U-shaped portions and securely fastened to the base and arms thereof.

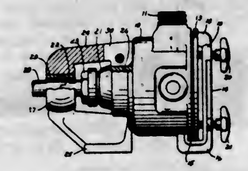
2,461,623
VISUAL OBSERVATION AND SILHOUETTE PROJECTION APPARATUS
George D. Armerding, Oak Park, Ill., assignor to Mojonnier Bros. Co., a corporation of Illinois
Application April 22, 1944, Serial No. 532,294
7 Claims. (Cl. 88—24)

1. Observation equipment for facilitating accurate visual reading of a metering device, comprising, in combination, means including a light source and a lens for producing a beam of substantially parallel light rays of sufficient cross-sectional area to include the desired zone of observation, a diaphragm having a face acted on and illuminated by said beam and disposed in a plane perpendicular to said beam for displaying a silhouette or image of a metering device disposed in said beam adjacent the illuminated face of said diaphragm and having the capacity of transmitting sufficient light to enable such silhouette or image to be observed and the reading obtained when viewed from the non-illuminated face of said diaphragm, means for supporting said metering device closely adjacent the face



of said diaphragm which is illuminated by said light beam, and heater means for maintaining the metering device at a predetermined elevated temperature during the use of said equipment.

2,461,624
SANITARY PUMP
William E. Bakewell, Cedar Falls, Iowa, assignor to Viking Pump Company, Cedar Falls, Iowa, a corporation of Iowa
Application September 27, 1945, Serial No. 618,907
1 Claim. (Cl. 103—218)



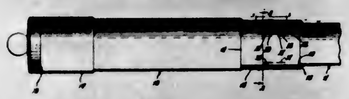
A pump comprising a casing having a main body portion containing a pump, a cylindrical extension on the main body portion of the casing through which a pump shaft passes, an inlet and outlet in the main body portion of the casing to and from the pump, a support member for supporting the pump having a cylindrical receiving portion on one end of the support member to receive the cylindrical extension on the main body portion of the casing therein, said cylindrical receiving portion for the extension on the main body portion of the casing being split and having a clamp member to draw the split sections together, said cylindrical extension for the extension on the main body portion of the casing being rotatable in the receiving portion to vary the location of the inlet and outlet on the pump when the clamp member is released, said clamp member when tightened clamping the receiving portion around the cylindrical extension on the main body portion of the casing to render the cylindrical extension and main body portion immovable within the support member, a second receiving portion on the support member spaced from the first mentioned receiving portion having a bearing therein and the pump shaft extending into the bearing and coupled to a shaft extended from a motive source within the bearing in the second receiving portion.

2,461,629
CLUTCH AND BRAKE MECHANISM
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application May 31, 1942, Serial No. 447,075, now Patent No. 2,346,152, dated April

of such surfaces, whereby when said shafts are driven said die member gyrates around the mandrel to knead and roll the material being extruded.

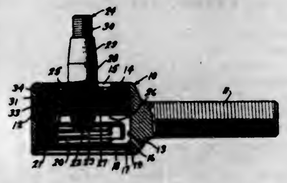
2,461,631
MACHINE TOOL

2,461,625
TELESCOPIC STRUCTURE
George O. Benson, Niagara Falls, N. Y., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y., a corporation of New York
Application July 26, 1945, Serial No. 607,213
6 Claims. (Cl. 287—58)



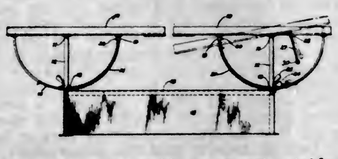
3. A telescopic structure including inner and outer slidably and rotatably interfitted tubes, and a pair of circumferentially extending tongues integral with the body of one of said tubes and arranged in opposed relation to each other and having ends offset radially toward the other of said tubes, said other of said tubes having an opening through one side receiving the outwardly offset ends of said pair of tongues to limit the axial and circumferential movement of said tubes relative to each other.

2,461,626
JOINT
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 9, 1944, Serial No. 567,470
5 Claims. (Cl. 287—90)



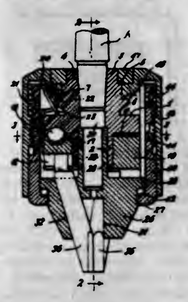
4. A tie rod joint comprising a socket having a resiliently backed plastic material bearing wall accommodating tilting and rotating movements, a stud having a head seated on said bearing wall, a spring-urged retainer in said socket having a rounded dimple therein, and a plastic material bearing member seated in said dimple and acting against said stud to transmit forces of the spring to the stud for maintaining the stud head in good bearing relation with the seat.

2,461,627
OPERATING TABLE
George A. Brewster, Buffalo, N. Y.
Application March 29, 1946, Serial No. 658,065
2 Claims. (Cl. 311—7)



1. In an operating table, a support, a table section pivoted on said support to swing about a horizontal axis adjacent the center of said section and providing a supporting surface for the body of the patient, a pair of spaced semi-circular rods concentric with said axis, secured to and depending from the under side of said section, a transverse rod fast to said support and arranged generally parallel with said axis adjacent said semi-circular rods, a pair of stop plates fast to said transverse rods and projecting toward a corresponding one of said semi-circular rods, a stop on each of said semi-circular rods and arranged to prevent one end of said section from swinging downwardly about said axis from a generally horizontal position, a collar around the upper end of each of said semi-circular rods at the opposite end of said section, means for adjusting each of said collars lengthwise of said semi-circular rods, and a helical compression spring around each of said semi-circular rods and interposed between said collars and said stop plates to bias said opposite end of said section upwardly to effect engagement between said stop and stop plate.

2,461,628
CHUCK
Lee S. Chadwick, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application April 30, 1945, Serial No. 591,197
24 Claims. (Cl. 279—69)

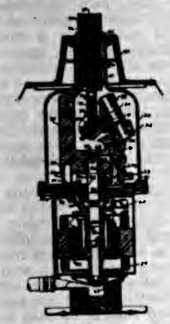


14. In a chuck, the combination of a driver, a thrust element and a jaw holder, all rotatable about a common axis, jaws slidable in the jaw holder along forwardly converging axes that intersect one another on the axis of the jaw holder, the thrust element and jaw holder being non-rotatable with respect to each other while being capable of limited rotation with respect to the driver, the jaw holder and thrust element being relatively movable toward each other to cause the jaws to assume gripping position and away from each other to cause the jaws to open, means for effecting said relative movement between the jaw holder and thrust element, said thrust element having radial guideways in its front face and the jaws having undercut heads at their rear ends that are slidable in said guideways, the open side of the guideways being no less in width than the maximum width of said heads, jaw retainers having parts interengaged with parts of the thrust element and other parts underlying the heads of the jaws for coupling the jaws to the thrust element, and means responsive to resistance of the thrust element to rotation and a consequential regression of said element with respect to the driver for urging said element toward the jaw holder thereby to increase the gripping force of the jaws on an object grasped thereby.

dered clevis pieces and a bearing washer, said clevis pieces being positioned on the respective sides of the centrally extending element, each said clevis piece having a shank portion presenting an outer surface concentrically formed to correspond with the inner face of the spring and hav-

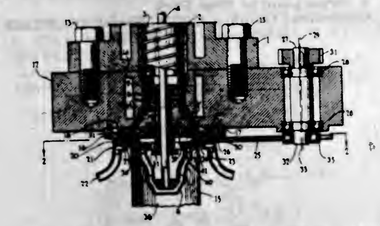
second of said two conductors in said casing, said leaf spring having an offset portion acting as a movable electrical contact overlying the metallic rivet-like member and normally spaced apart therefrom, a flexible moisture proof diaphragm fitted within said recess, said recess hav-

2,461,629
CLUTCH AND BRAKE MECHANISM
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application May 21, 1942, Serial No. 447,075, now Patent No. 2,346,152, dated April 11, 1944. Divided and this application March 2, 1944, Serial No. 524,695
9 Claims. (Cl. 192—12)



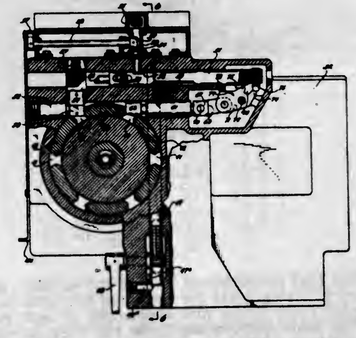
1. In combination, a rotatable member, a reversible driving means, means including an axially movable inertia device axially operable by the rotation of said driving means in one direction for connecting said driving means and said rotatable member and operable by the reverse rotation of the driving means to disconnect the driving means from said rotatable member, and a friction clutching means for clutching said inertia device to said rotatable member.

2,461,630
PLASTIC MATERIAL EXTRUSION HEAD
Giuseppe Cosso, New York, N. Y., assignor to Hydropress, Incorporated, New York, N. Y., a corporation of Delaware
Application August 8, 1945, Serial No. 609,641
3 Claims. (Cl. 18—14)



1. A machine for extruding tubes of plastic material comprising a mandrel having an external cylindrical surface, a die member having an internal cylindrical surface of greater diameter than said external surface, a pair of parallel shafts, means to drive said shafts at the same speed and in the same direction during extrusion of material between said surfaces, eccentrics carried by said shafts and similarly oriented with respect thereto, and means mounting said die member on said eccentrics around the mandrel, the eccentricity of said eccentrics being less than the difference between the radii of such surfaces, whereby when said shafts are driven said die member gyrates around the mandrel to knead and roll the material being extruded.

2,461,631
MACHINE TOOL
Nicholas P. Darash, Cleveland, Ohio, assignor to The Warner & Swasey Company, Cleveland, Ohio, a corporation of Ohio
Application November 11, 1943, Serial No. 509,841
10 Claims. (Cl. 29—49)



1. In a machine tool, an indexible member provided with spaced abutment portions, a movable locking element adapted to cooperate with one end of an abutment portion in each indexed position of said member, locating means including a locating stop in alignment with said locking element, and a locating element cooperating with said stop and the opposite end of said abutment portion in each indexed position of said member and movable transversely to the path of movement of said locking element, and actuating means for said locking and locating elements.

2,461,632
METHOD OF NITRATING CELLULOSE LACE-BACKING FABRICS
Joseph Datlow, New York, N. Y.
No Drawing. Application January 24, 1947, Serial No. 724,246
4 Claims. (Cl. 8—120)

1. The process of producing lace backing fabric comprising treating natural cellulose, open mesh fabric with mixed acid comprising from 60 to 40 parts by volume 97% nitric acid and from 40 to 60 parts by volume 75% phosphoric acid for about 0.5 minute and exposing the treated fabric to air for about 4.5 minutes.

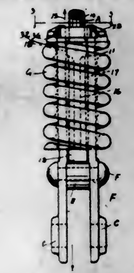
2,461,633
RESILIENT CONNECTION FOR BRAKE RODS AND THE LIKE
George B. Dorey, Westmount, Quebec, Canada
Application March 17, 1945, Serial No. 583,349
4 Claims. (Cl. 267—72)

4. As an article of manufacture, a resilient extensible connection including a coil spring and oppositely movable shouldered elements embracing the opposite ends of said spring; one of said elements extending centrally through the spring and the other of said elements being in the form of a yoke assembly including a pair of shoul-

an output connection are subjected to the forces of compression and tension to unbalance said circuit, a source of electrical energy for said bridge circuit, a variable transformer connected to said source, a potentiometer upon which the variable voltage at said transformer is impressed, a second transformer the primary of which is

valve and a condenser shunted thereacross, the output from said valve and charging circuit being fed through an integrating circuit to the control electrode of a second electronic valve, and a tuned transformer fed by the output of said second valve.

dered clevis pieces and a bearing washer, said clevis pieces being positioned on the respective sides of the centrally extending element, each said clevis piece having a shank portion presenting an outer surface concentrically formed to correspond with the inner face of the spring and having a flat inner face constituting a guiding wall for the centrally extending member; said bearing washer having a ring shaped body portion encircling the shank portions of the pair of clevis pieces, said body portion of the washer being interposed between the shoulders of the clevis

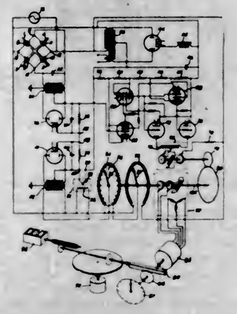


pieces and the adjacent end of the spring, said washer having seats for receiving the shoulders of said clevis pieces and abutments at each end of the seats outstanding from the body portion of the washer, said abutments extending between the pair of clevis pieces to maintain the same in definite spaced relation, said shoulder receiving seats on the washer being slightly inclined downwardly towards the abutments to maintain the clevis pieces in engagement with the abutments when longitudinally acting tensional pressure is applied on the connection.

2,461,634
FLASHLIGHT
Otto Doose, Clifton, N. J., assignor to Bright Star Battery Company, Clifton, N. J., a corporation of New Jersey
Application December 15, 1945, Serial No. 635,278
1 Claim. (Cl. 200—60)

A flashlight comprising a tube of insulating material having an outwardly facing recess, a pair of conductors in said tube and underlying said recess, said conductors being spaced apart and electrically insulated from each other, a metallic rivet-like member extending through said casing in the recess and being secured to one of said two conductors, said rivet-like member constituting a stationary electrical contact, a metallic leaf spring positioned in said recess, metallic means extending through said casing and securing said leaf spring electrically to the second of said two conductors in said casing, said leaf spring having an offset portion acting as a movable electrical contact overlying the metallic rivet-like member and normally spaced apart therefrom, a flexible moisture proof diaphragm fitted within said recess, said recess having a ledge on which said diaphragm rests and to which said diaphragm is hermetically sealed, a stationary strip of resilient material having an outwardly bowed tongue, one end of said tongue being free, said stationary strip overlying the diaphragm directly above said offset portion of said leaf spring, a contact box overlying said stationary strip, means for securing said contact box and said stationary strip fixedly to said tube and over said recess, a slidable flexible strip within said contact box, said flexible strip having an offset portion, button means externally carried on said contact box for slidably supporting said slidable strip internally of said box with one end of said slidable strip free for flexion, said button means also being operable to slide said slidable strip, locking tongue means on said contact box with which said one end of said slidable strip is engageable in one of its slidable positions to then preclude flexion of said slidable strip, a second button means extending outwardly of said contact box and overlying the offset portion of said slidable strip, said last-named offset portion being engageable with said outwardly bowed tongue of said stationary strip in a second of the slidable positions of said slidable strip to thereby flex said diaphragm and maintain said offset portion of said leaf spring in contact with said metallic rivet-like member, and said offset portion of said slidable strip being engageable with said outwardly bowed tongue of said stationary strip in a position intermediate the said two slidable positions of said slidable strip only upon manual depression of said second-named button means to thereby only then flex said diaphragm and then maintain said offset portion of said leaf spring in contact with said metallic rivet-like member.

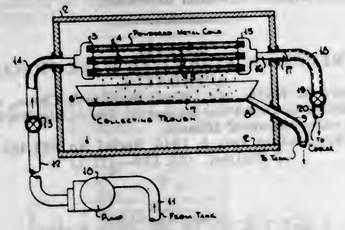
2,461,635
MAGNETOSTRICTIVE PRESSURE INDICATOR
Anton M. Feller, Rahway, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 6, 1944, Serial No. 557,528
6 Claims. (Cl. 73—398)



4. In a measuring system in which magnetically energized magnetostrictive elements included in a normally balanced bridge circuit having

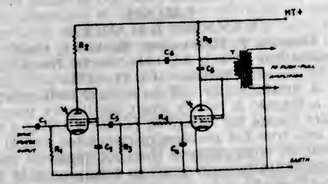
an output connection are subjected to the forces of compression and tension to unbalance said circuit, a source of electrical energy for said bridge circuit, a variable transformer connected to said source, a potentiometer upon which the variable voltage at said transformer is impressed, a second transformer the primary of which is supplied by said potentiometer, a third transformer upon which unbalanced voltage in said output connection is impressed, and rectifying circuits including resistors in series opposition connected to the secondaries of said second and third transformers.

2,461,636
SELF-DEFROSTING REFRIGERATION SYSTEM
Peter J. Gaylor, Union, N. J.
Application October 11, 1944, Serial No. 558,279
7 Claims. (Cl. 62—1)



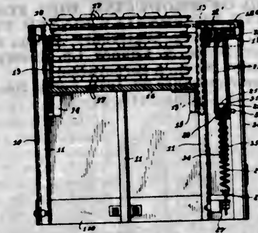
1. The method of refrigeration employing a normally liquid refrigerating medium, cooled to below the freezing point of water, under conditions tending to form a coating of frost on the outside of the refrigerating coils, comprising passing said cooled liquid medium through porous refrigerating coils under pressure sufficient to cause said medium to ooze out slowly through said pores and cover the outer surface in an amount sufficient to prevent or remove the formation of adherent crust-like deposit of frost.

2,461,637
CIRCUIT ARRANGEMENT FOR PRODUCING A SINE WAVE VOLTAGE FROM A PULSE WAVEFORM
Leslie W. Germany, Cambridge, England
Application June 30, 1945, Serial No. 602,599
In Great Britain April 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 3, 1964
3 Claims. (Cl. 171—97)



2. Arrangement for producing a sine wave voltage from a pulse waveform comprising an electronic valve to the control electrode of which the pulse waveform is fed, a charging circuit comprising a resistance in the anode circuit of the valve and a condenser shunted thereacross, the output from said valve and charging circuit being fed through an integrating circuit to the control electrode of a second electronic valve, and a tuned transformer fed by the output of said second valve.

2,461,638
APPARATUS FOR STORING AND DISPENSING STACKED ARTICLES
William J. Gibbs, Brooklyn, N. Y.
Application February 17, 1945, Serial No. 578,386
9 Claims. (Cl. 312—71)



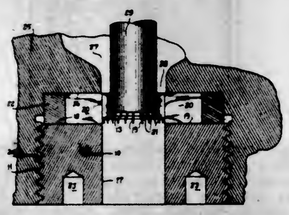
1. A storing and feeding apparatus comprising a frame, a carrier adapted to be moved vertically within said frame and to support a load of stacked articles with the uppermost article of the stack at a predetermined level, carrier supporting means, a plurality of spring tensioning members connected to said carrier supporting means and frame, and elongated vertically extending counterbalance elements connected to said carrier supporting means, and confined by said spring tensioning members to a vertical lengthwise path of travel, each spring tensioning member being calibrated to balance a certain weight, and said plurality of spring tensioning members and counterbalance elements collectively counterbalancing said carrier and a predetermined load of stacked uniform articles so that the uppermost articles in said stack will be maintained at a predetermined level.

2,461,639
COMBINED SOCKET AND SPANNER GRIP WRENCH FOR SHOE CALKS
Joseph G. Grigalunas, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a corporation of Connecticut
Application November 17, 1945, Serial No. 629,247
1 Claim. (Cl. 81—90)

A hand-wrench for shoe calks of both the lug grip and spanner grip types, made from a single piece of sheet metal and provided with a flattened head having a slot therein, the rear portion of said slot being of keyhole shape and extending lengthwise of the head and the walls of the forward portion of the slot extending outwardly and forwardly from the forward end of said keyhole

shaped portion to form forwardly projecting arms, the ends of said arms being provided with forwardly protruding lugs, and a shank having its inner end portion arranged substantially at right angles to said head and its remaining portion inclined upwardly and rearwardly from said inner end portion, said keyhole shaped portion of the slot being adapted to engage shoe calks of the type having a lug grip, and said projecting lugs being adapted to engage shoe calks of the type having a spanner grip.

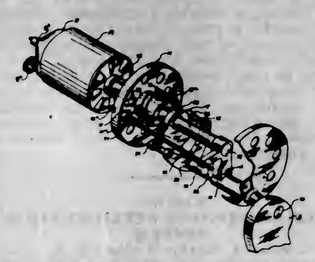
2,461,640
METHOD OF PRODUCING DIES FOR EXTRUDING EXTERNALLY FINNED TUBES
August W. Hallberg, Waterbury, Conn., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation
Application November 29, 1946, Serial No. 713,160
2 Claims. (Cl. 76—107)



1. The method of producing dies for extruding externally-finned tubes, which method includes the steps of providing a die-body, forming a longitudinal extruding-passage axially therethrough, forming a clearance-passage in said die-body for the fins of the tube to be extruded by boring a concentric counterbore in the lower end of said extruding-passage, forming a plurality of blade-receiving grooves in said die-body by cutting a plurality of transverse grooves across the upper end thereof to intersect both the inner sides of said extruding-passage and the inner sides of said clearance-passage, said transverse grooves lying in planes which are coextensive with and intersect the longitudinal axis of said die-body, mounting plate-like blades in each of said transverse grooves, inserting a plug-gauge into said counterbore into engagement with the lower ends of said plate-like blades to locate the inner edges of said blades radially outwardly with respect to the inner surface of said extruding-passage and substantially flush with the inner surface of said clearance-passage and then clamping a ring around the upper end of said die-body to provide seats for the outer edges of said plate-like blades.

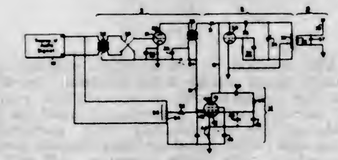
2,461,641
MEANS FOR CONVERTING ROTARY TO INTERMITTENT OSCILLATING MOTION
Thomas Harris, East Cleveland, and Edward C. Swilik, Cleveland, Ohio, assignors, by direct and mesne assignments, to The Apex Electrical Manufacturing Co., Cleveland, Ohio, a corporation of Ohio
Application March 26, 1947, Serial No. 737,212
9 Claims. (Cl. 74—89)

1. An intermittent oscillating mechanism comprising reversible driving and driven members, a clutch associated with said members, support means for said mechanism movable in alternate directions about an axis spaced from that of said members, means associated with said driven member for effecting said motion when the clutch engages, and a release member for disengaging



the clutch after a predetermined angular motion of said support in either direction.

2,461,642
FREQUENCY-STABILIZED WAVE-SIGNAL APPARATUS
Albert E. Hayes, Jr., West Hartford, Conn., assignor to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application July 5, 1946, Serial No. 681,453
5 Claims. (Cl. 179—171.5)

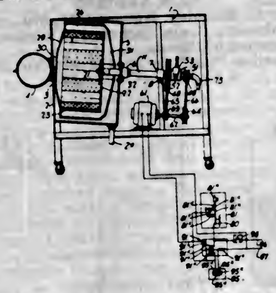


1. A frequency-stabilized wave-signal apparatus comprising, a generator of wave signals of predetermined carrier frequency, means effective to vary the amplitude of the wave signals generated by said generator in accordance with a modulating signal to produce an amplitude-modulated wave signal but tending to cause undesired deviation of the frequency of the wave signals generated by said generator, means coupled to said generator and effective to modify said carrier frequency, and means for utilizing said modulating signal to control said last-named means substantially to diminish said undesired deviation of said carrier frequency.

2,461,643
DYNAMIC BALANCER
George T. Hemmeter, Berkeley, Calif.
Application March 20, 1944, Serial No. 527,318
27 Claims. (Cl. 74—573)

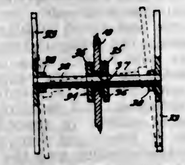
1. A dynamically self-balancing unit comprising: a frame; a rotary shaft resiliently mounted on said frame for balanced rotation about a fixed axis but free for resiliently restricted radial displacement with respect thereto; resilient means for constraining said shaft to rotate on said fixed axis; a body fixed to said shaft for rotation therewith and provided with fluid receptacles disposed in spaced relation about its axis; a source of fluid under pressure associated with said frame; and valve means supported by said frame and responsive to any substantial radial displacement of said

shaft for establishing communication selectively between said source of fluid and at least one of the



receptacles on that side of the shaft opposite the direction of its displacement.

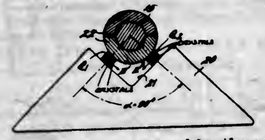
2,461,644
TOY
Earl C. Hillhouse, Tulsa, Okla.
Application August 14, 1946, Serial No. 690,515
4 Claims. (Cl. 46—130)



1. In a toy, an upright body member provided with a zigzag slot extending from an upper portion to a lower portion thereof; and a movable member adapted to descend by gravity with respect to the body member, comprising, a shaft extending transversely thru and revoluble in said slot, an annular flange on said shaft on each side of said slot, said flanges being spaced apart a distance slightly greater than the thickness of said body member, and an acrobatic figure on each end portion of said shaft member, the said elements of the movable member being constructed and arranged to permit relative adjustment of the figures toward and from the plane of the body member whereby they may be arranged substantially in balanced relation to cause the movable member to descend rapidly with the axis of the shaft substantially horizontal, and to permit of relative adjustment of the figures toward and from the plane of the body member whereby they may be arranged in unbalanced relation to cause the movable member to descend slowly with the peripheries of the flanges rubbing against the upright member and the axis of the shaft extending diagonally with respect to the plane of the body member.

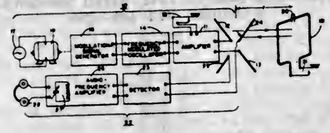
2,461,645
BALANCING MACHINE
Heinz E. Kallmann, Boston, Mass., assignor to Gyro-Balance Corporation, Greenwich, Conn., a corporation of Delaware
Application December 22, 1943, Serial No. 515,304
6 Claims. (Cl. 73—66)

1. In a blancing machine for a rotary member, axially spaced bearings for said member, means for rotating said member in said bearings, a plurality of pressure sensitive elements disposed at each bearing and angularly displaced with respect to each other around the axis of rotation of said member, said pressure sensitive elements being so constructed and arranged as to sustain substantially the entire weight of said member and be subjected to substantially the total alternating pressure effects of any forces due to unbalance of the member, means for detecting



the pressure impulses sustained by the respective elements at one bearing point and for producing signals corresponding to said impulses, means to modify individually the phase and amplitude of such signals, means for applying a correction to each of said signals proportional to the pressure impulses sustained by one of the pressure sensitive elements at the other bearing point, and means for combining the signals and rendering an indication of the amplitude and phase of the unbalance forces which they represent.

2,461,646
CARRIER-WAVE COMMUNICATION SYSTEM
Harold M. Lewis, Allenhurst, N. J., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application October 8, 1941, Serial No. 414,050
19 Claims. (Cl. 250—6)

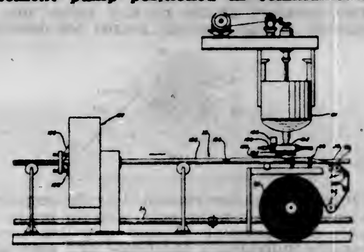


1. A carrier-wave communication system comprising, a transmitting station including means for generating and directly radiating a modulated carrier wave, carrier-wave radiating means remotely situated from said station and adapted to be solely energized by said carrier wave and thereby to reradiate carrier-wave energy directly radiated thereto from said station, means for modulating said reradiated carrier wave with a desired signal to be transmitted, means for receiving said reradiated carrier wave and dependent upon the modulation of said radiated carrier wave for deriving from said received carrier wave the desired modulation-signal components thereof, and means coupled to said last-mentioned means for utilizing said desired modulation-signal components.

2,461,647
APPARATUS FOR APPLYING PLASTIC MATERIAL TO CABLES
Leroy W. Lovett and Sloan S. Sherrill, Baltimore, and August Stiegler, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 673,580
3 Claims. (Cl. 91—43)

1. An apparatus for pouring molten plastic material onto a cable, which comprises means for

advancing a cable along a predetermined path, a heated conduit leading toward the cable, a shaft extending longitudinally in the conduit, a helical band fastened to the shaft and fitting loosely in the conduit, means for turning the shaft whereby the helical band urges the material along the conduit toward the cable, a heated constant displacement pump positioned in communication

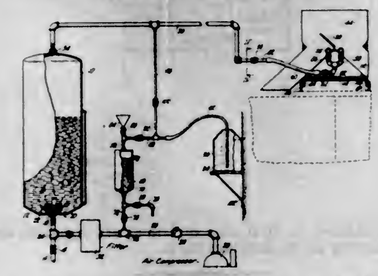


with the discharge end of the conduit, means for driving the constant displacement pump from the shaft, means for discharging the material in a freely flowing stream upon the cable at a predetermined point in the path thereof, and means for driving the cable-advancing means and the shaft-driving means in synchronization so that a uniform quantity of the material is applied to the cable per unit of length thereof.

2,461,648
FASTENING
Donald Keith Macleod, Wooster, Ohio, assignor to United Steel Fabricators, Inc., Wooster, Ohio, a corporation of Ohio
Application July 23, 1945, Serial No. 606,511
2 Claims. (Cl. 189—36)

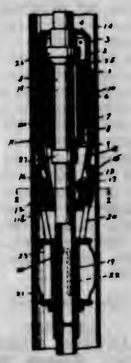
1. In a fastening of the character described, a pair of superposed sheet metal plates in face-to-face engagement of which the inner plate has an opening therein and the outer plate extends in continuous relation across said opening, a hollow sheet metal clip having a tapered opening therein and also having a greater dimension longitudinally of said tapered opening than it does transversely of the tapered opening, said clip being attached to said outer plate and projecting inwardly through the opening of said inner plate, and a tapered resilient retaining pin extending through and wedgingly engaged in the tapered opening of said clip and having its ends bearing on said inner plate on opposite sides of the opening thereof, said pin being formed of sheet metal and being transversely curved and being also longitudinally bowed in a direction away from said plates, the tapers of said clip and pin having substantially the same slope such that the wedging engagement therebetween is of large area and extends for substantially the full length of the clip.

2,461,649
AUTOMATIC GRAIN FUMIGANT APPLICATION SYSTEM
Timothy C. Manning, Kansas City, Mo., assignor to Uhlmann Grain Company, Chicago, Ill., a corporation of Illinois
Application March 24, 1947, Serial No. 736,672
4 Claims. (Cl. 21—108)



1. In a grain fumigating system of the kind described, a source of compressed, vaporous fumigant; a series of open top bins; a mobile hopper for receiving grain to be fumigated, said hopper having at least one outlet spout and being mounted for movement above said bins with spout selectively registrable with said open top of the bins; at least one perforated tubular member in the hopper within the path of travel of grain passing through said hopper to a selected bin; a conduit extending through the hopper and connecting with said member; a manifold for receiving said fumigant, said manifold having a number of valved outlets in spaced alignment with said series of bins; and removable means for connecting said conduit and the outlet corresponding with the bin being filled with grain from the conduit.

2,461,650
WELL PACKER
Dunn C. Marler, Lake Charles, La.
Application August 14, 1944, Serial No. 549,425
1 Claim. (Cl. 166—12)



A packer adapted to form a seal between an outer pipe and an inner pipe in a well and comprising a tubular mandrel, an inner pipe section working through, and spaced from, the mandrel, a safety cap on the upper end of the mandrel having an inwardly extended annular flange and

having perforations, a stop on the lower end of the mandrel closely surrounding the inner pipe and having a duct therethrough, spaced enlargements on said inner pipe section spaced beneath said flange and stop, respectively, an expansible packer element around the mandrel, an expander slidably mounted on the mandrel below the packer element, an inner flange on the expander engageable with the stop on the mandrel, jaws slidably mounted on the expander and expansible into packer supporting engagement with the outer pipe upon downward movement of the expander relative thereto and retractable from the outer pipe upon upward movement of the expander relative thereto, the upper enlargement on the inner pipe being engageable with the upper end of the mandrel, upon downward movement of the inner pipe and being shaped to close the passageway through the mandrel and being effective to force the mandrel downwardly to apply a compressive force to the packer element to expand the same into contact with the outer pipe when the jaws engage the outer pipe in packer supporting engagement, the lower enlargement being engageable with said stop to lift the expander and retract the jaws upon upward movement of the inner pipe.

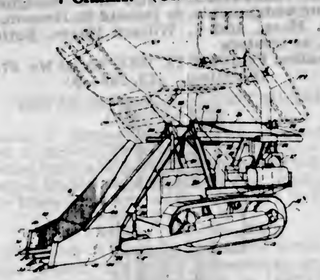
2,461,651
METHOD OF TREATING SEA ANIMAL PRODUCTS
Erling Mathiesen, Stavanger, Norway, assignor to Hermetikkindustriens Laboratorium, Stavanger, Norway
No Drawing. Application January 7, 1946, Serial No. 639,700
In Norway January 19, 1945
1 Claim. (Cl. 99—188)

The method of accelerating the natural seasoning of canned fish comprising adding to the fish prior to canning a small quantity of a reducing agent, sealing the fish into cans and thermally sterilizing the fish in the cans after sealing.

2,461,652
KNOCKDOWN CASTER
James W. Montgomery, Sr., Duluth, Minn.
Application July 29, 1946, Serial No. 687,003
2 Claims. (Cl. 16—31)

1. As a new article of manufacture, a knockdown caster comprising two like parts, each part comprising a single piece of sheet metal bent at right angles to form a pair of legs, each of said parts having a hole through each of the legs thereof; a pintle having a threaded end and a shoulder adjacent thereto; a nut; said parts being assembled with one leg of one of said parts overlapping the corresponding leg of the other of said parts and the other legs of said parts extending in spaced parallel relation to each other, said pintle extending through the holes in said overlapping legs with said shoulder engaging one of said legs, and said nut being installed on the threaded end of said pintle to hold said parts in assembled relation; a wheel; and an axle fixed within said wheel; said wheel being carried intermediate of said spaced parallel legs with said axle extending within opposed ones of the holes in said last mentioned legs whereby the last mentioned holes and axle form the rotatable connection for said wheel to said parts.

2,461,653
VEHICLE MOUNTED SHOVEL
Russell J. Nadherny, Chicago, Ill., assignor to Athey Products Corporation, Chicago, Ill., a corporation of Illinois
Application June 13, 1946, Serial No. 676,451
7 Claims. (Cl. 214—131)



1. A shovel for use on an overhead type of loader such that material is scooped in at one end, carried, in an intermediate position and dumped from the opposite end and comprising, in combination, a bottom plate having substantially planar end portions disposed in obtuse angular relationship and connected by a smoothly curved intermediate portion, substantially flat side plates secured to opposite side edges of the bottom plate and extending rearwardly from one end of the bottom plate to the curved intermediate portion thereof, said side plates having integral portions extending rearwardly beyond the curved intermediate portion to provide thrust brackets through which driving force is applied to the shovel, means secured to the end of the bottom plate to provide a forward cutting edge, side cutting plates secured to the ends of the side plates adjacent the forward cutting edge, said side cutting plates being disposed in obtuse angular relationship with respect to the planes of the side plates and projecting inwardly of the shovel so as to tend to relieve pressure of material scooped into the forward end, and additional side plates secured to opposite sides of the bottom plate, said additional side plates adjoining the first mentioned side plates and extending to the rearward end of the bottom plate to provide a chute for dumping material from the shovel.

2,461,654
HIGH-SPEED BELT
Ernest Nassimbene, Denver, Colo., assignor to Gates Rubber Company, Denver, Colo., a corporation of Colorado
Application July 31, 1944, Serial No. 547,414
1 Claim. (Cl. 74—232)

A highly flexible thin flat belt consisting of a single layer of helically wound, spaced tension

ing engagement therebetween is of large area and extends for substantially the full length of the clip.

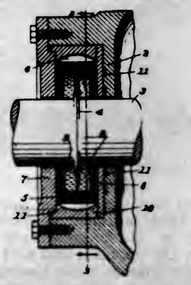
working through, and spaced from, the mandrel, a safety cap on the upper end of the mandrel having an inwardly extended annular flange and

said legs, and said nut being installed on the threaded end of said pintle to hold said parts in assembled relation; a wheel; and an axle fixed

A highly flexible thin flat belt consisting of a single layer of helically wound, spaced tension

members, and a thin agglutinant covering of vulcanizable rubber-like material for at least one side of the tension layer, the covering having portions thereof extending into the spaces between the tension members to provide an elastic spacer and attaching means, the covering material having incorporated therein linter fibers extending transversely of the belt in planes parallel with the tension layer, the linters providing means for resisting forces tending to split the belt longitudinally.

2,461,655
SEAL
Warren Noble, Garden City, N. Y., assignor, by mesne assignments, to Donald R. Hanson, Melrose, Mass., and C. Willard Hayes, Bethesda, Md., as trustees
Application February 19, 1945, Serial No. 578,604
16 Claims. (Cl. 286—9)



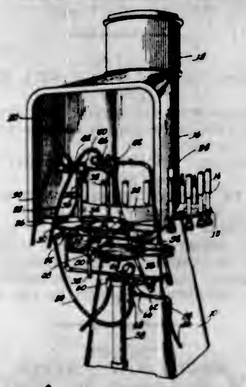
1. A seal for concentric stationary and rotatable members, the latter of which is adapted at times to be held substantially stationary, comprising means carried by the rotatable member defining an annular chamber, open at its inner side facing and surrounding the stationary member and having a wall portion displaceable under pressure changes to vary the volumetric capacity of the chamber, said open, inner side being marginally defined by displaceable sealing means urged into sealing contact with the stationary member when the rotatable member is stationary, an annular flange on the stationary member projecting into the chamber through said open side between said sealing means, and a body of liquid permanently substantially filling said chamber, held therein during rotation of the rotatable member by centrifugal force and constituting a substantially frictionless liquid seal between the chamber and the flange with said sealing means out of contact with the stationary member, and held in the chamber by said sealing means when the rotatable member is substantially stationary.

2,461,656
FLUSHING DEVICE
Glenn A. Norman, Des Moines, Iowa
Application September 9, 1946, Serial No. 695,699
1 Claim. (Cl. 285—90)

A coupling member to conduct a fluid under pressure from one conduit to a second conduit comprising a flexible hose, means on one end of the flexible hose to join the coupling member to the first conduit supplying fluid under pressure, a fitting having a projecting male portion connected to the other end of the flexible hose, a rubber adaptor member having an opening therethrough to be received by the projecting male portion of the fitting, said rubber adaptor being of substantial height with one end portion being wider than the other end portion and the sidewall of the adaptor being conical, the wider end portion of the adaptor being dished to seal with a flat surface surrounding

an opening leading to a second conduit, said conical side wall adapted to seal with an opening leading to a second conduit and said rubber adaptor being reversible on the fitting.

2,461,657
AUTOMATIC SPRAY COATING APPARATUS
Jens A. Paasche, Chicago, Ill.
Application February 26, 1945, Serial No. 579,742
7 Claims. (Cl. 91—45)

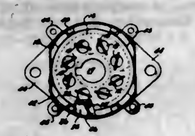


1. An automatic spray coating apparatus comprising a hood and an exhaust stack connected thereto, a plurality of spaced apart article supports arranged to pass through said hood, means for moving said spaced apart article supports through said hood, an air-brush mounted on a movable support member, means for moving said support member successively in one direction in synchronism with the movement of each succeeding article support, said later means including a shaft having at one end a lever adapted to be engaged by successive article supports, a cam follower mounted on the other end of the shaft, and a fixed cam surface for determining the travel of said airbrush support member, and means for restoring said air-brush support to its original position.

2,461,658
ELECTRIC CIRCUIT UNIT
Rolland R. Roup, Milwaukee, Wis., assignor to Globe-Union Inc., Milwaukee, Wis., a corporation of Delaware
Application April 19, 1946, Serial No. 663,373
7 Claims. (Cl. 250—16)

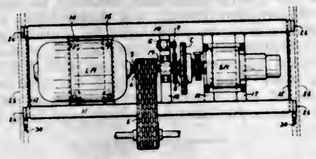
1. In a unitary sub-assembly for electrical devices, a tube socket having a circular aperture therethrough and a notch communicating with the aperture and extending from one end of the

socket and an electric circuit component mounted in the notch, the notch side walls being formed with ledges supporting the component on a chord of the aperture side wall and being



formed with projections adjacent the end of the socket for engagement with the component to prevent movement thereof from the notch in one direction.

2,461,659
MOTOR DRIVE
William H. Rouse, Greenfield, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 12, 1947, Serial No. 754,113
7 Claims. (Cl. 171—252)



3. The combination with a motor drive comprising a relatively large motor, a shaft connected thereto and having a bearing spaced from said motor, a relatively small motor and a clutch between the latter motor and said shaft, of a supporting structure comprising a pair of parallel girders and cross bars carried by said girders to support separately and in axial alignment said motors and said shaft bearing, said girders extending longitudinally of such drive assembly and being in spaced relation to receive therebetween parts of said assembly, thereby to provide a unit which in height closely approximates the height of said large motor per se.

2,461,660
PACKAGE
Leroy L. Salfisberg, South Orange, N. J., assignor to Ivers-Lee Company, Newark, N. J., a corporation of Delaware
Application February 2, 1945, Serial No. 575,755
2 Claims. (Cl. 206—46)

2. A package consisting of a strip of flexible material folded longitudinally in at least three plies to form a substantially flat article carrying tube, said tube being provided at spaced intervals across its entire width with tube deforming crimpings extending through its walls to securely hold spaced portions of said walls in effective tube closing and sealing contact and to impart relative rigidity to said tube closing portions, the walls of said tube between said tube closing portions being separated to form article-containing compartments, one of the plies of said material that has a free edge being disposed with its free edge between two plies of material throughout the length of the tube coincidentally with one of the folds at opposite longitudinal edges of the tube and the ply that has the other free edge being positioned with its free edge exteriorly and in overlapping relationship with two of said plies coincidentally with the fold at the other longitudinal edge of said tube throughout the length of the tube, all of said plies being sealed together along said opposite longitudinal folded edge portions of the tube and forming a continuous stiffened edge flange extending throughout the length of each of said longitudinal edge portions of the tube for imparting rigidity to the package throughout said longitudinal edge portions, protecting said free edges of the plies, reenforcing the folds at the longitudinal edges of said compartments and preventing entrance of air into the tube.

2,461,661
PREPARATION OF ALKALI METAL COMPOUNDS
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application January 9, 1945, Serial No. 572,090
11 Claims. (Cl. 23—204)

8. A process of preparing an alkali metal borohydride which comprises introducing an alkali metal alkoxyborohydride into a reactor, substantially completely removing air from the reactor, and introducing diborane into the reactor and into contact with the alkali metal alkoxyborohydride, the temperature of the alkali metal alkoxyborohydride and diborane in the reactor being maintained between —50° C. and 50° C.

11. Sodium borohydride, a white solid having the composition corresponding to the formula $NaBH_4$.

2,461,662
PREPARATION OF ALKALI METAL COMPOUNDS
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application January 9, 1945, Serial No. 572,091
9 Claims. (Cl. 23—204)

8. A process of preparing an alkali metal borohydride which comprises introducing an alkali metal alkoxide into a reactor substantially completely removing a substantial amount of air from the reactor, and introducing diborane into the reactor and into contact with the alkali metal alkoxide, the temperature of the alkali metal alkoxide and diborane in the reactor being maintained between —80° C. and 50° C.

2,461,663
PREPARATION OF ALKALI METAL BOROHYDRIDES
Hermann I. Schlesinger, Chicago, Ill., and Herbert C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission
No Drawing. Application January 11, 1945, Serial No. 572,436
10 Claims. (Cl. 23—14)

8. A process of preparing an alkali metal borohydride which comprises introducing an alkali metal tetraalkoxyborate into a reactor, removing a substantial amount of air from the reactor, and introducing diborane into the reactor

ible hose, a rubber adaptor member having an opening therethrough to be received by the projecting male portion of the fitting, said rubber adaptor being of substantial height with one end

1. In a unitary sub-assembly for electrical devices, a tube socket having a circular aperture therethrough and a notch communicating with the aperture and extending from one end of the

that has a free edge being disposed with its free edge between two plies of material throughout the length of the tube coincidentally with one

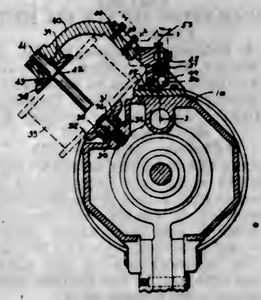
metal tetraalkoxyborate into a reactor, removing a substantial amount of air from the reactor, and introducing diborane into the reactor

and into contact with the alkali metal tetraalkoxyborate, the temperature of the alkali metal tetraalkoxyborate and diborane in the reactor being maintained between —80° C. and 50° C.

2,461,664
VAPOR GENERATION AND PUFFING WITH AUDIBLE EFFECTS IN TOYS
William R. Smith, Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application August 30, 1941, Serial No. 409,656
53 Claims. (Cl. 46—118)

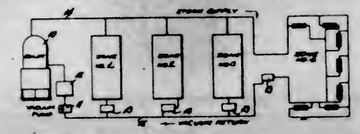
1. In a hollow toy having a vapor outlet for the emission of fumes from said toy, a replenishable substance convertible by heat into fume-laden vapor, means to generate said heat, means for storing said fume-laden vapor simultaneously with the generation thereof, and means to liberate at least portions of the stored vapor from said toy at particular times through said outlet.

2,461,665
REEL SUPPORT
William R. Spiller and Leo D. Barley, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Original application May 31, 1943, Serial No. 489,116, now Patent No. 2,398,053, dated April 9, 1946. Divided and this application May 4, 1945, Serial No. 591,898
10 Claims. (Cl. 242—134)



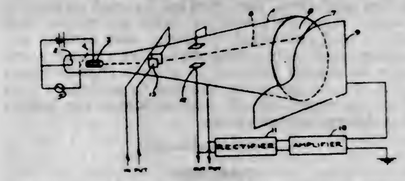
1. In a wire stitching machine the combination of a reel support comprising a clamp member for one side of the reel, means supported in fixed relation with respect to said machine for rotatably mounting said member for rotation with the reel as the wire is unwound therefrom, a second clamp member mounted on said machine independently of said first clamp member for engaging the opposite side of said reel, means pivotally mounted on said machine having a predetermined operative position for adjustably mounting said second clamp member in engaging relation with said opposite side of the reel, and means for releasably retaining said pivotally mounted means in said operative position and providing for quick release thereof to effect removal and replacement of said reel.

2,461,666
VACUUM REGULATOR
Timothy J. Sullivan, Butte, Mont., assignor to Sullivan Valve and Engineering Company, Butte, Mont., a corporation of Montana
Application December 9, 1944, Serial No. 567,451
8 Claims. (Cl. 237—9)



1. A vacuum regulator system for steam heating plants of the type having a common steam supply for several separate units located in the several spaces to be heated, and a common vacuum return for said units; said regulator system comprising a plurality of vacuum regulators, one of said regulators being attached between the vacuum return line and each unit; each of said regulators comprising a chambered housing, means for connecting said housing to said unit, means for connecting said housing to said vacuum return line, means for controlling the degree of vacuum in said housing, means responsive to temperature changes of the atmosphere inside said housing for adjusting said first named means and means responsive to temperature changes of the atmosphere outside of said enclosed spaces for also adjusting said first named means.

2,461,667
ELECTRICAL SYSTEM
David E. Sunstein, Cynwyd, Pa., assignor to Philco Corporation, a corporation of Pennsylvania
Application October 3, 1946, Serial No. 700,959
23 Claims. (Cl. 332—13)



1. A non-linear circuit arrangement comprising a cathode ray tube having a source for generating an electron beam, a screen mounted within a transparent dielectric, a conducting mask in electrical proximity to the screen of said cathode ray tube and in capacitative coupling with said beam, said mask having a predetermined construction in accordance with the desired non-linear operation and circuit connections from said mask to said cathode ray tube.

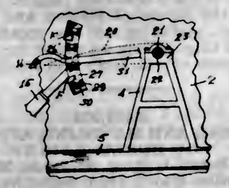
2,461,668
FILM HOLDER FOR PHOTOGRAPHIC ENLARGERS
William D. Thompson, San Diego, Calif.
Application October 24, 1946, Serial No. 705,443
3 Claims. (Cl. 88—24)

1. A film holder for enlarging machines comprising: a horizontally extending frame member provided with a medially positioned apparatus opening; a semi-cylindrical film receiver formed on each extremity of said frame member; a lid closing each receiver and allowing access thereto for placing a roll of film therein; means for rotat-

ing the rolls of film in said receivers, said film extending from one receiver to the other receiver above said frame member; a cover plate removably positioned above said frame member and provided with a framing opening; a first absorbent wiping pad supported from said frame mem-

ber in contact with the bottom surface of said film; a second absorbent wiping pad carried by said cover plate in contact with the upper surface of said film; a fluid cleaner reservoir in said cover plate; and conduits communicating between said reservoir and said pads to supply cleaning fluid to the latter.

2,461,669
VARIABLE INCIDENCE WING CONTROL FOR AIRCRAFT
Max B. Wiley, Wichita, Kans.
Application July 11, 1944, Serial No. 544,350
3 Claims. (Cl. 244—48)



1. In airplane construction, a fuselage, a wing body for each side of the fuselage, extending therefrom in straight alignment from each other, a tubular element rotatably carried by the fuselage, said tubular element having an end portion extending a spaced distance into the leading edge of one wing body, means to secure said end portion within said wing body, a rod rotatably positioned in said tubular element and extending outward therefrom at each end thereof, one end portion of said rod extending a spaced distance into the leading edge of the other wing body and means to secure last said end portion therein, means to restrict longitudinal movement of said rod as engaged in the tubular element, a spar element for the trailing edge of each wing body, said spar elements each having an end portion extending through and into the fuselage toward each other, means carried by the end portions of the spar elements to restrict longitudinal movement of the spar elements, said means permitting vertically movement thereof independently, and an actuator secured to each spar element to rock the wing bodies.

2,461,670
AUTOMATIC SEAR-RELEASING MECHANISM FOR FIREARMS
David M. Williams, New Haven, Conn., assignor to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware
Application July 21, 1945, Serial No. 606,320
6 Claims. (Cl. 89—140)

1. An automatic firearm including in combination: a receiver; a breech-bolt movable in the said receiver; an action-slide movable lengthwise of the firearm-structure and operatively connected to the said breech-bolt for moving the same in the said receiver, the said action-slide having a lost-motion connection with the breech-bolt and provided with a forwardly-facing latching-abutment; a firing-member for effecting the discharge of the firearm; a sear for releasably holding the said firing-member in a cocked position; a timing-member mounted for reciprocation lengthwise of the firearm-structure and carrying a latching-portion yieldable in a direction transverse of the firearm-structure, the said latching-portion having a rearwardly-facing latching-abutment releasably engageable with the forwardly-facing latching-abutment of the said ac-

tion-slide; spring-means urging the said timing-member rearwardly into a retired position; the said timing-member being constructed and arranged to retire the said sear when the latching abutment of the said timing-member is disengaged from the latching-abutment of said action-slide and the timing-member retires under the urge of the said spring-means; and releasing-means constructed and arranged to automatically move the transversely-yielding latching-portion of the said timing-member to disengage its latching-abutment from the latching-abutment of the said action-slide when the latter has moved the said breech-bolt substantially into its breech-closing position.

2,461,671
DETACHABLE CLEAT FOR SHOES
Jack R. Wright, Los Angeles, Calif.
Application November 12, 1946, Serial No. 709,362
3 Claims. (Cl. 36—7.7)

1. A detachable cleat for a shoe having a projecting sole, said cleat comprising a wire member adapted to lie against said sole, and having a plurality of arms adapted to extend to the edge of the sole, the outer ends of the arms extending first upwardly and then inwardly to engage the edge of the sole and secure the cleat to the sole, said plurality of arms including a pair of rearwardly extending arms one of which is adapted to engage the inner edge of the sole and the other of which is longer than said one arm and is adapted to engage the outer edge of the sole, and a brace extending from the outer end of said one arm to an intermediate point on said other arm.

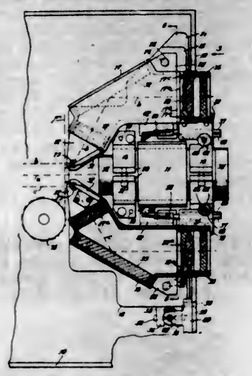
2,461,672
MOTOR PROPELLED TOY VEHICLE
Alojsy Adamczyk, New York, N. Y.
Application December 11, 1946, Serial No. 715,559
3 Claims. (Cl. 46—211)

1. In a self propelled toy, having a motor and frame with a pair of rear and front wheels in

reel, and means for releasably retaining said pivotally mounted means in said operative position and providing for quick release thereof to effect removal and replacement of said reel.

which at least one of the rear wheels is motor driven and the other rear wheel idle, a spring influenced eccentric member slideably and rotatively supported on said frame intermediate its ends, and adapted normally to be out of contact with the travel surface, but to contact the latter when the front part of said toy drops off an edge of said travel surface, means for bringing said member into operative engagement with the motor, whereby said member will receive a rotary motion and due to its eccentricity, cause the lifting of the front part of the vehicle above the level of the said travel surface, and simultaneously cause the toy to change its direction of travel.

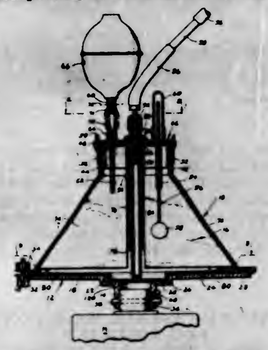
2,461,673
MULTIPLE LENS LIGHT CONTROL FOR PROJECTORS
Rudolph J. Anschicks, Charles Widell, and John R. Mantsh, Chicago, Ill., assignors to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois
Application October 3, 1947, Serial No. 777,710
15 Claims. (Cl. 88—1)



1. In light control for projectors, the combination of a main supporting block having a bore therethrough, a cylindrical middle lens housing extending through said bore, a supporting plate carried by said lens housing, outer lens housings pivotally mounted on said plate, one at each side of the middle lens housing and swingable toward and from said middle lens housing, lenses in said middle lens housing, angularly disposed lenses in said outer lens housings, a plate carried by each outer lens housing and having a reflecting surface, each plate being disposed at an angle to the optical axis of one of the lenses in each outer lens housing, a second plate in each outer lens housing having a reflecting surface and disposed at an angle to the optical axes of both lenses in the outer lens housings, and means to swing said outer lens housings toward and away from the middle lens housing.

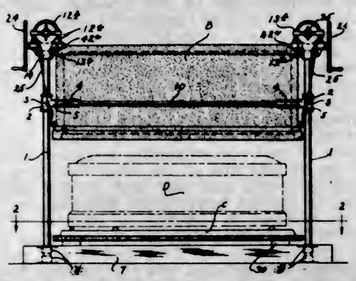
2,461,674
CENTRIFUGE APPARATUS FOR OBTAINING BLOOD PLASMA
William Aronson, New York, N. Y.
Application July 25, 1944, Serial No. 546,548
7 Claims. (Cl. 233—28)

1. Apparatus for separating the plasma and red cells of blood from each other, comprising a centrifuge-vessel having an inlet for receiving the blood from the donor, said vessel being rotatable about a vertical axis and having a bottom inclined downwardly from the periphery thereof toward the axis of rotation whereby the blood and plasma flow toward the central part of said bottom and stratify in separate layers on said bottom after the centrifuging operation, and outlet means comprising a tube movably mounted in



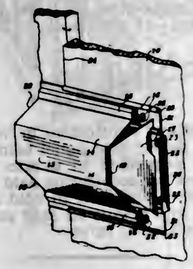
said vessel axially thereof to position the tube inlet at different distances from the bottom of said vessel to place said tube inlet in communication with the layers of plasma and blood cells, respectively, stratified by the rotation of said vessel, said tube having an outlet for the passage of said plasma or cells from said vessel.

2,461,675
LOWERING AND HANDLING APPARATUS FOR BURIAL VAULTS
Christy L. Berg, St. Louis, Mo.
Application May 2, 1945, Serial No. 591,493
2 Claims. (Cl. 254—136)



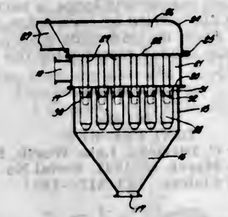
1. In an apparatus of the kind described for mounting over an open grave, the same including an oblong supporting frame with corner posts and gear housings upon the upper ends of the posts at one side of the frame and roller shafts disposed transversely at the ends of the frame and horizontally journaled at one end through the said gear housings and rotatably supported at their opposite ends at the upper ends of the posts at the opposite side of the frame, and there being worm gears upon the ends of the roller shafts within the gear housings, and including drive shafts with worms thereon journaled through the gear housings transversely below the said worm gears with the worms in mesh with the gears, and there being operating hand wheels upon the outwardly extended ends of the drive shafts, braking mechanisms at the ends of the roller shafts as extended through the gear housings, the same comprising brake wheels threadedly mounted upon the reduced and threaded ends of the roller shafts, and frictional braking elements interposed between the brake wheels and the adjacent sides of the gear housings, whereby the turning up of the brake wheels or releasing same will result in pressing the intermediate brake elements against the sides of the gear housings for slowing the movement of the roller shafts, or releasing the brake wheels will speed the movement of said shafts.

2,461,676
LOCK PROTECTOR
Nicholas M. Budak, Waterloo, Iowa
Application January 25, 1946, Serial No. 643,381
4 Claims. (Cl. 70—416)



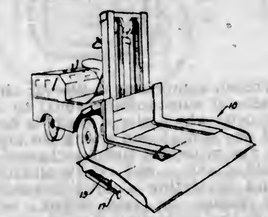
1. A lock protector for covering and enclosing a lock on a door, comprising a shield, one end of said shield having a swingable closure member thereon, means slidably securing said shield to the door, and stop means on the door for retaining said swingable closure member in closed position, said stop means also retaining said shield against removal in one direction.

2,461,677
APPARATUS FOR SEPARATING SUSPENDED PARTICLES FROM GASES
Joseph L. Burdock, Old Greenwich, and Philip F. Best, Riverside, Conn., and Charles B. McBride, Port Chester, N. Y., assignors to The Aerotec Corporation, White Plains, N. Y., a corporation of New York
Application May 8, 1947, Serial No. 746,746
4 Claims. (Cl. 183—81)



1. Apparatus for separating suspended particles from gases which comprises an open ended dust bin having a peripheral inner ledge spaced from said open end, a partition plate removably supported on said ledge, said partition plate having spaced openings, centrifugal tubes in said openings and extending into and opening into said dust bin, said dust bin having an inlet above said ledge, a closure plate removably supported on the open end of said bin having openings co-axial with those of said partition plate and off-take pipes one for each centrifugal tube mounted in said closure plate and projecting axially into its respective centrifugal tube to form an annular passage therein, each off-take pipe having radially extending deflecting vanes to fit into and span the upper part of said annular passage at an angle to the length of said annular passage to impart a circulatory motion to gases passing downwardly through said annular passage, and a cover on the open end of said bin to form a chamber above said closure plate, said cover having an outlet.

2,461,678
LOADING RAMP
Carl O. Christensen, Walnut Creek, Calif., assignor to Roll-Rite Corporation, Oakland, Calif., a corporation of California
Application October 14, 1946, Serial No. 703,180
6 Claims. (Cl. 14—72)



1. A loading ramp, comprising a bridge member having two side portions, a fixed abutment end and a movable abutment end, an integral flange secured to each side portion extending above said bridge member substantially the length thereof and being provided with a downward extension projecting below said bridge member providing a fixed abutment member adjacent said fixed abutment end, a shaft-receiving member secured to and outwardly of each said flange, said shaft receiving member terminating a substantial distance short of said movable abutment end, a shaft slidably received within said shaft receiving member and provided with ratchet rack teeth along its upper surface, said teeth being adapted to engage a pivoted pawl to permit movement of said shaft toward but to prevent movement thereof away from said movable abutment end, and a pawl having a weighted head and a foot treadle and pivotally supported above said rack to prevent retraction of said shaft.

2,461,679
METHOD OF REACTING A PIPERYLENE WITH A HALO SUBSTITUTED MALEIC ANHYDRIDE
Albert M. Clifford, Stow, and Clyde E. Glelm, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application September 4, 1944, Serial No. 552,680
1 Claim. (Cl. 260—78.5)

The rubbery polymeric material prepared by reacting 55 parts of piperylene with 80 parts of a compound of the group consisting of monochloromaleic anhydride and dichloromaleic anhydride dissolved in an aromatic hydrocarbon solvent at a temperature between 0° and up to 10° C. until the reaction is complete and recovering the polymeric material.

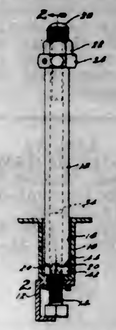
trifuge-vessel having an inlet for receiving the blood from the donor, said vessel being rotatable about a vertical axis and having a bottom inclined

upon the outwardly extended ends of the drive shafts, braking mechanisms at the ends of the

said ledge, a closure plate removably supported

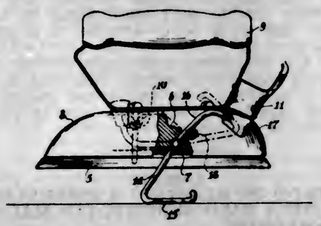
the polymeric material.

2,461,680
WRENCH WITH THREADED NUT HOLDING MEMBER
Patrick T. Cousino, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application July 16, 1945, Serial No. 605,250
2 Claims. (Cl. 81—90)



1. A wrench comprising a tubular shank having a diameter substantially equal to the width of a nut with which the wrench is to be used, means at one end of said shank for engagement with the nut to permit turning thereof by turning of said shank, a rod axially slidable in said shank and projecting slightly beyond the nut engaging means on said shank, interrupted threads on the projecting end of said rod, said rod end having a longitudinal split therein to provide resilient segments carrying the threads, means at the opposite end of said shank for turning said rod, and stop means between said shank and rod for limiting the axial movement of said rod relative to said shank.

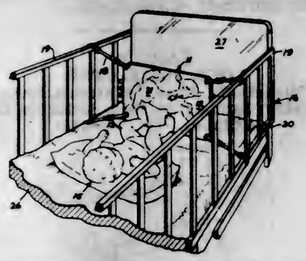
2,461,681
SUPPORT FOR ELECTRIC SADIRONS
Joseph A. Cragan, Kingston, N. Y.
Application September 13, 1945, Serial No. 616,105
9 Claims. (Cl. 38—79)



8. An electric iron having a body, a supporting device comprising a transverse shaft pivoted in the body and having a leg on each side thereof terminating in a foot for supporting the iron horizontally when not in use, the axis of the pivot of said shaft being in rear of the center of gravity of the iron and each foot extending forward of the center of gravity of the iron when the supporting device is in supporting position, said shaft having an arm on at least one side of the body, said device being freely movable from a supporting to a retracted position and from a retracted position to a supporting position, and a stop on the iron in the paths of movement of the arm for

holding the device in a supporting position and in a retracted position, and means for thermally insulating said legs.

2,461,682
EXERCISER AND AMUSEMENT DEVICE FOR INFANTS
Edmond de Ferrari, San Francisco, Calif.
Application November 6, 1944, Serial No. 562,178
1 Claim. (Cl. 272—57)



An exerciser and amusement device for infants comprising a panel; said panel being adapted to be vertically suspended in a crib or play-pen, resilient means for connecting said panel to the sides of a crib or play-pen to hold said panel in said position, and means on said panel inducing an infant to move the same.

2,461,683
TABLE AND CHAIR COMBINATION
Walter C. Dierickx, Lake Worth, Fla.
Application March 15, 1947, Serial No. 735,037
1 Claim. (Cl. 155—123)

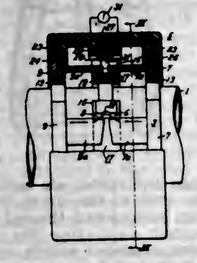
A table and chair combination comprising a detachable circular table top, a plurality of chairs equidistantly spaced around the table, said chairs each having arms, one arm of each chair having its upper front corner cut away for forming a horizontal table supporting ledge, a vertically arranged dowel pin carried by each ledge, said table top provided upon its underside with a plurality of equidistantly spaced recesses for the reception of said dowels.

2,461,684
DINETTE SET
Walter C. Dierickx, Lake Worth, Fla.
Application March 15, 1947, Serial No. 735,038
5 Claims. (Cl. 312—164)

1. A combination table and desk comprising a table top formed by two semi-circular sections

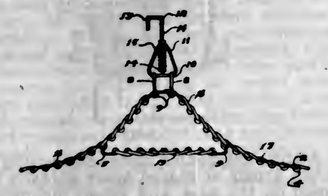
hinged together along their straight edges, supporting legs fixed upon one table section, two of said legs spaced apart to provide a knee hole opening, panel members hinged to the spaced apart legs to form a simulated desk front and a plurality of chairs having solid transversely curved backs adapted to be arranged beneath the table with the vertical edges of their backs abutting and flush with the edge of the semi-circular table sections to form a semi-circular rear wall for the desk.

2,461,685
TORQUE AND POWER MEASURING DEVICE FOR SHAFTS
Frank W. Godsey, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 30, 1945, Serial No. 591,045
27 Claims. (Cl. 73—136)



1. A shaft power measuring device comprising, in combination, a single stationary electromagnetic unit including an electrical coil, a magnetic circuit of magnetizable material including said stationary electromagnetic unit, means for producing in said magnetic circuit a magnetic flux, said magnetic flux when changing producing voltage in said electrical coil means in an amount corresponding to changes in value of said magnetic flux, means forming a part of said magnetic circuit and responsive to the speed of rotation of the shaft and the circumferential deflection of said shaft for changing the value of said magnetic flux, and means for measuring a voltage in said electrical coil whereby the power output of said shaft is indicated.

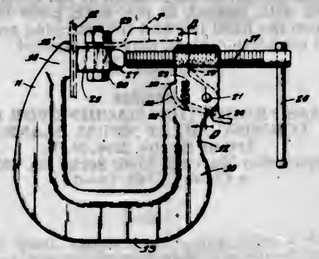
2,461,686
GARMENT HANGER
John Hiebert, Brownvale, Alberta, Canada
Application August 7, 1946, Serial No. 689,059
In Canada July 23, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 23, 1965
3 Claims. (Cl. 223—89)



1. In a garment hanger, a body portion over which the garment is to placed, said body portion comprising a series of connected links, each of said links consisting of a single piece of material

bent to provide a center portion and opposing converging legs, said legs terminating in hooks, said links being connected with the hooks of each link engaging the center portion of the next but one link in the series.

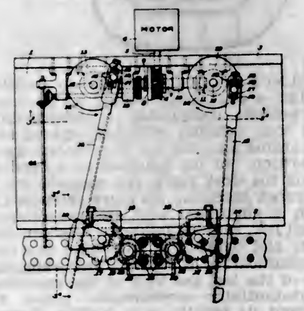
2,461,687
WELDER'S CLAMP
Fred P. Hopfeld, Elmwood Park, Ill., assignor to Grand Specialties Company, Chicago, Ill., a corporation of Illinois
Application July 19, 1946, Serial No. 684,974
1 Claim. (Cl. 173—273)



A welder's clamp for operatively holding and grounding a work piece during an electric welding operation comprising a substantially U-shaped body member including spaced substantially parallel legs and an interconnecting transverse portion, one leg constituting a fixed jaw for engaging the work piece, the opposite leg having a feed screw receiving aperture extending therethrough in alignment with and perpendicular to the fixed jaw, said leg having a substantially rectangular slot depending from said aperture and in communication therewith and extending inwardly of the leg, the wall of the aperture having substantially semicircular screw threads throughout its length on a portion thereof and the remaining portion of the aperture walls being smooth and a portion thereof being open and communicating with the slot, a threaded feed screw received within the aperture, said screw being of less diameter than said aperture, an operating handle on the outer end of said feed screw for rotating the same and for moving the screw toward and away from the fixed jaw, a latch member pivotally mounted within the slot and including an operating extension projecting outwardly of the slot exteriorly of the said leg and toward the operating handle, the other end of said latch member having serrations thereon in the nature of threads for engagement with the threads on the said feed screw, a bore within said latch member in alignment with the said leg, a spring received within the bore and having its outer end bearing against the base of the wall of the said slot for normally forcing said serrated portions of said latch member into engagement with the threads of the feed screw, so that when the latch member is pivoted upon actuation of the operating extension thereon, the serrations on the latch member are disengaged from the threads on the feed screw and rapid non-rotative longitudinal movement of the feed screw toward and away from the fixed jaw may be obtained, and when the serrations on the latch member are in engagement with the threads of the feed screw the same may be rotatably fed and retracted toward and away from the fixed jaw by means of the operating handle, a ball member carried by the inner end of said feed screw, a combined work piece clamping and electrical connecting block having

a flat work piece engaging surface at one end and a ball receiving extension socket at the other end, the ball carried by the inner end of the feed screw being rotatably secured in the extension socket, said block also having an aperture extending therethrough from side to side transversely of the longitudinal axis of the feed screw, a terminal bolt disposed within said aperture and extending outwardly thereof to which a ground conductor may be connected, the ball and socket connection being such that universal 360 degree rotation of said combined clamping and electrical connection block about the axis of said feed screw for the adjustment of the position of the ground conductor with respect to the work piece disposed between the fixed jaw and the clamping and electrical connection block may be obtained.

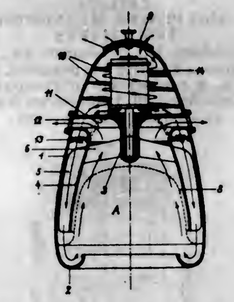
2,461,688
MASS PRODUCTION MACHINE FOR DIE-FORMING SHEET METAL BLANKS
Arthur Illsche, Rye, N. Y.
Application March 1, 1946, Serial No. 651,130
8 Claims. (Cl. 74—70)



1. In a mass production machine, a plurality of rotatable spindles cooperating in pairs and assembled for group operation, each spindle being provided with a pinion by which it is driven, gearing for each group of spindles including a reciprocating rack bar and a gear driven thereby engaging the pinions of the spindles of the group with which it is associated to simultaneously rotate the spindles, the direction of rotation alternating with the back and forth movement of the rack bar, the aforesaid gearing being adapted to rotate the spindles of each pair in opposite directions and at different speeds, and screw feeding means responsive to rotation of the spindles for advancing the spindles of each pair towards each other and being automatically reversed to retract the spindles after each operation.

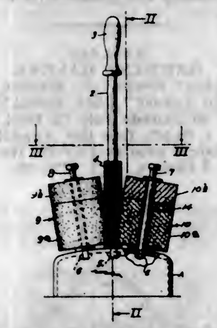
2,461,689
HAIR DRIER
Alois Květoň, Brunn, Czechoslovakia
Application September 10, 1946, Serial No. 695,928
In Czechoslovakia September 20, 1945
3 Claims. (Cl. 34—99)

1. In a hair dryer in combination a dryer helmet having an open bottom end; a hair drying chamber within said dryer helmet accessible through said open bottom end thereof into which the upper head portion of the person using the dryer helmet fits; air inlet means in the wall of said dryer helmet spaced from said bottom end thereof; at least one air inlet conduit leading from said air inlet means to said open bottom end of said dryer helmet and from there into said hair drying chamber; an electric motor arranged within said air conduit; heating means arranged also in said air inlet conduit between said motor and said open bottom end of said dryer helmet; first fan means driven by said electric motor arranged also within said air inlet conduit adapted to suck in cold air through said air inlet means and force said cold air past said electric motor cooling the same and thereafter past said heating means whereby said sucked in air is heated, and finally along said open bottom end of said dryer helmet into said hair drying



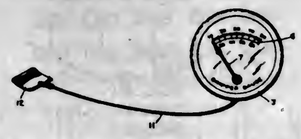
chamber within the same; air outlet means arranged in the wall of the dryer helmet spaced from said open bottom end thereof; at least one air outlet conduit connecting the upper end of said hair drying chamber within said dryer helmet with said air outlet means; and second fan means arranged within said hair drying chamber in said dryer helmet and driven also by said electric motor so as to force vapor saturated air from said hair drying chamber through said air outlet conduit and said air outlet means into the space surrounding the said dryer helmet without recirculating the same.

2,461,690
KNIFE SHARPENER
Kim Kee Leong, San Francisco, Calif.
Application October 28, 1946, Serial No. 706,195
6 Claims. (Cl. 51—214)



1. A knife sharpening device comprising a base member, a pair of spaced apart abrasive wheels disposed on the base, and means mounting said wheels for rotation and vertical movement with respect to said base in response to longitudinal movement of a knife held in contact with the wheels.

2,461,691
GRIPPER GAUGE
Robert G. Lynn, Passaic, N. J.
Application March 6, 1946, Serial No. 652,417
2 Claims. (Cl. 73—141)



1. In a gauge having a housing, a circular scale, a carrying plate attached to the housing, a pointer rotatably carried by said plate and disposed to sweep the scale, an arm depending from the pointer, a spring connected to the arm and to the plate to yieldably bias the pointer in one direction, said housing provided with an opening suitably spaced from said arm, a cord passing through said opening and attached to said arm so that the tension thereon moves the pointer in the other direction, the edges of said opening providing a flexing point for said cord whereby the direction of pull of the cord on the arm is always the same, a pretensioning spring connected to said pointer and to said carrying plate to maintain said pointer at a substantially fixed point near the lower end of said scale when the cord is exerting no force thereon, said cord extending outside of the housing, and a tab attached to the cord outside of the housing whereby when the tab is inserted between engaging contact members and the gauge is moved from the members the tension in the cord will oppose the spring force and rotate the pointer to indicate on the scale the pressure between the engaging members.

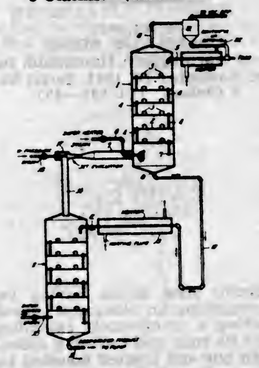
2,461,692
SAFETY CUTOUT FOR AUTOMOTIVE ENGINES
Joseph J. Malir, Jr., Denver, Colo.
Application April 22, 1946, Serial No. 663,902
2 Claims. (Cl. 200—81.5)

1. A device for cutting off the electrical supply to an automotive engine upon failure of the oil pressure to said engine comprising: a cup-like housing; a hollow threaded nipple projecting from the closed end of said housing and adapted to be passed through a supporting structure; a nut on said nipple clamping said housing to said structure; an open ended pressure cylinder, the open ends of said housing and said cylinder being secured together in axial alignment; a cylinder head separating said cylinder from said housing; means for introducing oil under pressure through the closed end of said cylinder; a piston in said cylinder; a piston rod extending from said piston through said cylinder head and throughout the length of said housing; a first spring positioned between said piston and said cylinder head resisting inward movement of said piston; contact plates extending inwardly from opposite sides of said housing; a first contact disc insulated from and slidably mounted on said rod and adapted to close a circuit between said plates; a second spring compressed between said disc and said cylinder head and urging said disc outward toward said plates; a collar formed on said rod and normally preventing outward movement of said disc until pressure in said cylinder has moved said rod outward to remove said collar from the path of said disc.

2,461,693
WRIST WATCH STRAP
Francis Richard McAloon, Waterbury, Conn., assignor to The United States Time Corporation, Middlebury, Conn., a corporation of Connecticut
Application January 29, 1947, Serial No. 725,050
7 Claims. (Cl. 24—265)

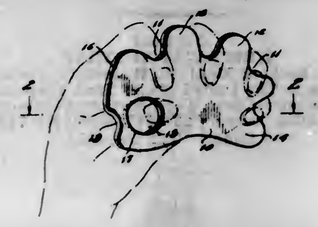
1. A wrist watch strap comprising a flexible member having a pair of outwardly extending pins adjacent one end thereof and having a longitudinally extending slot in the end thereof between said outwardly extending pins.

2,461,694
DEODORIZATION OF OILS
Keator McCubbin and Charles E. Monical, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
Application October 26, 1946, Serial No. 705,836
3 Claims. (Cl. 202—46)



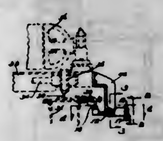
1. In a continuous distillatory process for deodorizing fatty material, wherein the fatty material is contacted with a deodorizing gas in zones of successively diminishing pressure, the improvement which comprises conveying the spent deodorizing gas from a zone of lower pressure to a zone of higher pressure at a temperature at least as high as the temperature of the gas leaving the zone of lower pressure and bringing the conveyed gas into contact with the fatty material in the zone of higher pressure, whereby the capacity of the conveyed gas for deodorizing fatty material at higher pressures is utilized.

2,461,695
MANICURING ACCESSORY
Walter J. McMahon, New York, N. Y., assignor of one-half to Joseph Glick, New York, N. Y.
Application September 20, 1947, Serial No. 775,332
1 Claim. (Cl. 132—83.5)



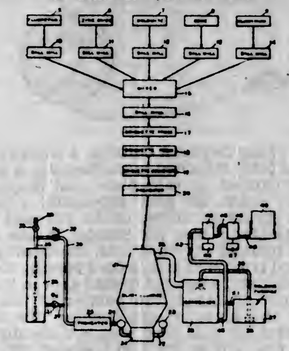
A manicuring accessory including a body of generally flat formation provided with an opening adjacent the edge thereof and with a series of arcuate indentations in the edge portion thereof, said indentations being spaced apart substantially equal distances and located on the opposite side thereof from said aperture for receiving the forepart of the thumb in said aperture and the forepart of the fingers in said indentations respectively to thereby dispose the ends of the thumb and fingers in overlying relation with the forward surface of the body for holding the thumb and fingers in set position for treating the same and said body having an enlarged peripheral edge portion extending continuously around the periphery of said opening and around the edge of the body and through the arcuate indentations to thereby provide a widened bearing surface for engagement by the thumb and fingers and serving to prevent bending or distortion of the body.

2,461,696
COLLECTOR SHOE
Alfred Morningstar, Hammond, Ind.
Application November 16, 1944, Serial No. 563,774
5 Claims. (Cl. 191—49)



1. A collector shoe device having two main members comprising an elongated collector shoe member having a transversely extending recess intermediate its ends and having a collector shoe integral with one end thereof adapted to engage a conductor rail, and a counterweight member having one end portion recessed to form two arms with transversely aligned passages therein for the reception of a pin when the device is operatively connected and an undercut flat topped recess, said two main members adapted to be normally held in their proper relative position by linking the counterweight member to supporting means by a pin extending through said passages, and placing the collector shoe member at its recess over the pin with the end opposite said shoe extending under and into the flat-topped recess of said counterweight member.

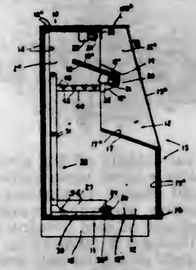
2,461,697
RECOVERY OF ZINC FROM ITS ORES
Augustin L. J. Queneau, Morristown, N. J.
Application September 23, 1947, Serial No. 775,632
21 Claims. (Cl. 75—67)



1. The method of reducing zinc-containing materials which comprises smelting a mixture of the zinc-containing material with carbon, aluminum and a flux, and delivering to the smelting zone a blast consisting of oxygen and nitrogen free from moisture and carbon dioxide.

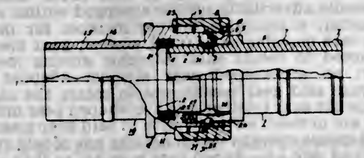
21. The method of reducing zinc-containing materials which comprises smelting a mixture of the zinc-containing material with a material having a high heat of oxide formation exceeding the heat of reduction of zinc oxide, carbon and a flux in the presence of a blast consisting of oxygen and nitrogen free from moisture and carbon dioxide.

2,461,698
SHOWCASE WITH DISPLAY RACKS THEREIN
Ferdinand A. Saunders, Nedrow, N. Y.
Application July 14, 1945, Serial No. 605,091
11 Claims. (Cl. 312—128)



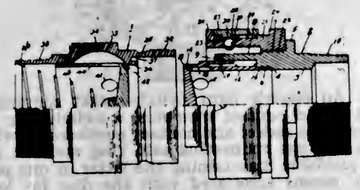
8. A necktie display and storage apparatus comprising, in combination, a row of independent and self-sustaining necktie holding stands, each adapted to hold a supply of neckties for sale, and a combined showcase and sales counter enclosing said row of stands within the rear thereof for individual removal of the stands through the rear of the case, said row of necktie holding stands extending from end to end of the case, and said case having therein two sample necktie display shelves visible from the front of the case and extending from end to end of the case with said shelves arranged relatively to said stands to expose therebetween from the front of the case at least one tie held by each of said stands.

2,461,699
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application May 21, 1945, Serial No. 594,928
4 Claims. (Cl. 285—169)



1. A coupling comprising a male member having a connecting portion with a peripheral groove; and a female member comprising an inner sleeve, camming members carried by said inner sleeve, an outer movable sleeve for forcing said camming members into engagement with the groove in said connecting portion of said male member to secure said male and female members together, longitudinally movable pins in said inner sleeve having camming portions, and camming members adapted to be forced outwardly by the camming portion of said pins when said movable sleeve is moved to an unlocking position.

2,461,700
SEALED COUPLING
Albert T. Scheiwer, Erie, Pa.
Application July 17, 1946, Serial No. 684,359
7 Claims. (Cl. 284—19)



1. A coupling comprising a female member having an outwardly extending sleeve, an apertured cylindrical member attached to and movable with said sleeve, a spring urged sleeve telescopically disposed on said cylindrical member adapted to cover the apertures therein and an outer member forming an annular groove and having ball retaining apertures, balls in said apertures and means for locking said balls; and a male member having an inner grooved shoulder and a connecting portion with a peripheral groove, said peripheral groove adapted to be engaged by the ball members in said female member for connecting said male and female members together and said grooved shoulder adapted to be sealingly engaged by the outwardly extending sleeve of said female member, a spring urged apertured cylindrical groove member adapted to sealingly engage the shoulder in said male member and adapted to be moved longitudinally by said fixed cylindrical member of said female member when said male and female member are connected together whereby fluid may flow through said male and female members.

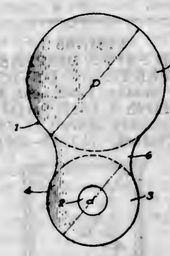
2,461,701
CONVERSION OF ALPHA AMINO ACIDS TO ALPHA HYDROXY ACIDS
Paul R. Shildneck, Decatur, Ill., assignor to A. E. Staley Manufacturing Company, a corporation of Delaware
No Drawing. Application May 4, 1945, Serial No. 592,083
7 Claims. (Cl. 260—521)

1. In the conversion of an alpha amino acid selected from the group consisting of leucine, phenylalanine and glutamic acid to the corresponding alpha hydroxy acid by reacting a solution of the former with nitrous acid, the improvement which comprises conducting the reaction at a temperature above about 70° C., and adding the nitrous acid to the amino acid solution at such a rate that practically all of the nitrous acid is consumed as rapidly as it is added.

2,461,702
COMPOSITION FOR FLUOROSCOPIC OBSERVATION AND ROENTGENOGRAPHY
Elmer H. Slaybaugh, Parsons, Kans.
No Drawing. Application March 4, 1947, Serial No. 732,372
1 Claim. (Cl. 167—95)

A composition for use in the fluoroscopic observation and roentgenography of the esophagus, rugae of the intestinal tract, and gastroenteric mucosa, comprising a homogeneous mucilaginous mixture of finely powdered barium sulphate 360.00 grams, and pectin paste formed of pectin NF VII 18.00 grams, glycerine 18.00 cc., benzoic acid .75 gram, and physiological salt solution of sufficient quantity to make 360.00 cc. of said paste, said mixture being a viscous liquid in which the pectin and the barium sulphate are evenly dispersed and maintained in suspension.

2,461,703
RECEPTACLE CLOSURE
Abraham N. Spanel, Princeton, N. J.
Application May 10, 1945, Serial No. 593,056
7 Claims. (Cl. 215—41)



7. As an article of manufacture, a sheet-like closure for receptacles comprising a readily stretchable and foldable portion adapted to provide a cap for a receptacle, said portion having an imperforate area corresponding to the top of said cap and a pliant surrounding portion corresponding to the skirt of said cap, and an adjoining elastic portion provided with an opening offset relative to said area and of substantially smaller perimeter than the perimeter of said area to provide an elastic ring portion for securing said cap portion on said receptacle.

cess over the pin with the end opposite said shoe extending under and into the flat-topped recess of said counterweight member.

case at least one tie held by each of said stands.

2,461,704

ADHESIVE AND COATING COMPOSITION

Fred B. Speyer, Salem, Mass., assignor to Shellmar Products Corporation, Mount Vernon, Ohio, a corporation of Delaware

No Drawing. Application November 23, 1945, Serial No. 630,561
1 Claim. (Cl. 260—736)

A pressure sensitive greaseproof adhesive type laminant composition of matter of the following formulation:

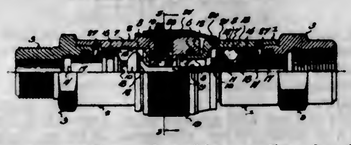
	Parts
Polymerized linseed oil	about 5.0
Chlorinated rubber (125 cps.)	about 1.0
Micro crystalline wax	about .5
Ethyl acetate	about 5.0
Toluene	about 1.0

2,461,705

SELF-SEALING RELEASABLE COUPLING

Don F. Stranberg, Libertyville, Ill., assignor to Charles L. Conroy, Waukegan, Ill., and Walter Fritsch, Libertyville, Ill.

Application October 1, 1947, Serial No. 777,229
14 Claims. (Cl. 284—19)



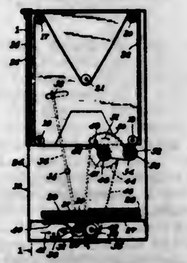
1. A self-sealing releasable coupling for fluid pressure lines comprising, a pair of separable coupling members, means for releasably holding said members in coupled relation, a pressure seated valve carried by each of said coupling members for sealing said members when separated, means for unseating said valves upon connection of said coupling members, and means associated with each of said valves and affected by a predetermined proportionate force of the line pressure to oppose the seating force of said pressure, the force of said opposing pressure being less than said seating pressure to allow unseating of the valve by manual force without the aid of tools.

2,461,706

COMBINED PAPER DISPENSER AND ADVERTISING DEVICE

Alexander Szalka, Budapest, Hungary

Application March 5, 1947, Serial No. 732,556
In Hungary March 12, 1946
5 Claims. (Cl. 40—28)



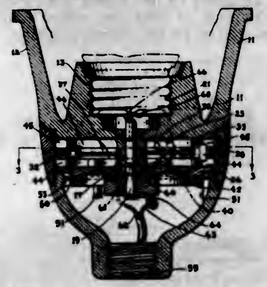
1. Combined paper dispenser and advertising device comprising in combination a housing adapted to contain near its bottom a stack of superimposed interengaging folded sheets of paper; a dispensing opening in the wall of said housing through which said sheets of paper are adapted to continuously pass; two rollers arranged near said dispensing opening and adapted to engage said paper sheets while passing through said dispensing opening, said rollers thus being rotated by passage of said paper sheets; movable advertising means arranged within said housing; a rotatable driving member for moving said movable advertising means; gear means adapted to rotate said rotatable driving member; an arc-shaped gear member adapted to engage said gear means and to rotate the same while the gear teeth of said arc-shaped gear member are in mesh with the teeth of said gear means; and means operatively connecting one of said rollers and said arc-shaped gear member so that said arc-shaped gear member is rotated whenever said rollers are rotated by passage of said paper sheets through said dispensing opening in the wall of said housing.

2,461,707

SWITCH

Alexander Szerlip and Stanley Szerlip, Brooklyn, N. Y.

Application August 29, 1946, Serial No. 693,740
12 Claims. (Cl. 200—51.14)



1. An electric light switch socket comprising socket and contact members, a switch disc between said socket and contact members, a switch ring, springs connecting said ring and the disc for yieldably maintaining the latter in one position, means associated with the disc for locking the same at said one position, means on said ring for retracting the locking means when the ring is rotated to tension one of said springs to cause the unlocked disc to snap to another locking position, circuit making and breaking strips engaging opposite sides of said disc, the latter being shaped to provide openings for engagement of said circuit strips with each other at alternate locking positions of said disc, means for securing said socket and contact members together including a pin, said pin providing a pintle upon which said switch disc rotates, a contact ring in the socket for engagement by a light bulb, means for attaching the contact ring to one of said circuit strips, a contact spring arm mounted on said pin for engagement with a light bulb, the pin, the contact ring and the ring attaching means constituting circuit forming members, a cap for one end of the switch socket, and means for detachably securing said cap to the contact member including a snap ring, an annular groove and intersecting vertical slots in said contact member and posts in the cap for engaging said slots and having a groove in each post for register with said annular groove for yieldably imprisoning the snap ring therein.

connected together whereby fluid may flow through said male and female members.

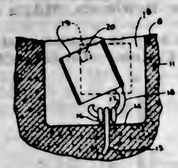
said cap portion on said receptacle.

2,461,708

FIRE AND BURGLAR PROOF SAFE

William Thein, Bremerton, Wash.

Application September 11, 1946, Serial No. 696,302
2 Claims. (Cl. 109—59)



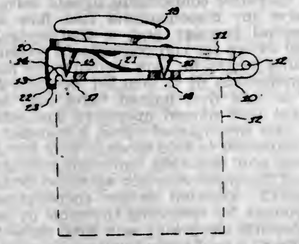
2. A fire and burglar proof safe, comprising, a body formed with relatively thick walls of material for resisting heat and burglar's tools having a chamber centrally disposed therein for preserving valuables, and the chamber having an opening from its top for a passageway, a cap of like material for closing such passageway, having a pair of eyelets projected laterally from one side thereof, the wall adjacent to the passageway having a well therein for a padlock and being connected with the passageway by a lateral slot for the pair of eyelets aforesaid, an eyelet extended vertically above the bottom of the well for alignment with the eyelets from the cap when the cap is seated in the passageway for engagement by the hasp of a padlock.

2,461,709

CAN PERFORATOR

Claude E. Venne, Tomahawk, Wis.

Application August 18, 1944, Serial No. 549,993
4 Claims. (Cl. 30—16)



3. A can perforator comprising a base member adapted to rest on the top of a can, an arm extending above said base member for up-and-down movement and hingedly secured to said base member, and a pair of spaced downwardly projecting piercing members carried by said arm and adapted to puncture the top wall of the can, said piercing members being at different distances from the hinge axis of the arm, and said arm having a manual pressure knob thereon between the piercing members.

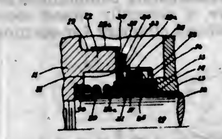
2,461,710

DIAPHRAGM-TYPE SEAL

Vance E. Vorhees, Lincolnwood, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois

Application November 30, 1945, Serial No. 631,853
7 Claims. (Cl. 286—11)

1. In a fluid seal for relatively rotatable structures, a retainer having axially spaced cylindrical portions, one portion being adapted for press fit with respect to one of the structures, a sealing washer within the other portion, a sealing diaphragm having radially outer and inner end regions, the outer end region being compressed against the retainer and the inner end region contacting the washer, an axially slidable rotary driving connection between the washer and said other portion, an inward radial projection on the said other portion extending into the path of

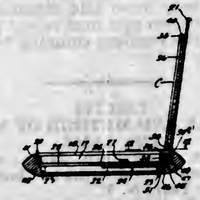


movement of the washer to limit the axial movement thereof in one direction, a radially outwardly extending shoulder at one end of said other portion of the retainer for locating the retainer relative to said one structure, and resilient means acting against the said one structure and compressing the inner end of the diaphragm against the washer.

2,461,711

COMPACT

Albert Wewetzer, Elgin, Ill., assignor to Illinois Watch Case Co., Elgin, Ill., a corporation of Illinois

Application March 24, 1945, Serial No. 584,542
4 Claims. (Cl. 220—31)

1. In a compact, a recessed base having a rear wall with a concave groove extending lengthwise along its inner face and top, a cover formed along its rear with a downwardly curved portion fitting into the concave groove of the base rear wall, an overhanging lip at the top of the groove, an outwardly extending rib at the bottom of the curved portion of the cover, and means fixed in the base recess engaging the under side of the cover curved portion to establish a hinged connection therewith whereby the cover is free to swing from a position flush with the base top through 90° or more, the cover rib and groove lip being substantially interengaged when the cover is in closed positioned.

2,461,712

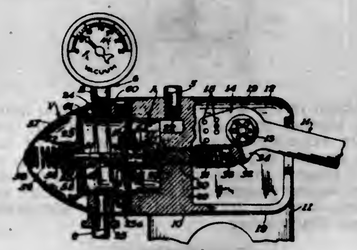
TRAILER HAND CONTROL FOR POWER BRAKES

Frederick R. Allin, Euclid, and Frederic D. Wyss, Cleveland Heights, Ohio, assignors to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application November 18, 1947, Serial No. 786,776
8 Claims. (Cl. 303—54)

1. For use in a fluid pressure operated brake system comprising fluid pressure brake actuating means and two different sources of pressure, an independent manually operated valve for connec-

tion between the source of lower pressure and the brake actuating means, said manual control valve including a first chamber for connection to said lower pressure source, a second chamber for connection to said brake actuating means, there being a regulating diaphragm between said chambers, a normally open first valved port in said diaphragm for establishing communication between said chambers, a normally closed second valved port in said second chamber for opening said sec-



ond chamber to the higher pressure source, and operator means associated with said diaphragm positionable for closing said first valved port and opening the second one, said operator means having a diaphragm operating part resiliently coupled to a manually operated part so that when said manually operated part is positioned to close said first valved port, fluid pressure in the second chamber may move said diaphragm toward the position wherein said first valved port is open by deforming the resilient coupling between said operator parts.

2,461,713
INNERSOLE AND METHOD OF MAKING THE SAME

Fred L. Ayers, Watertown, Mass., assignor of twenty-two one-hundredths to Charles G. Keferstein, New York, N. Y.

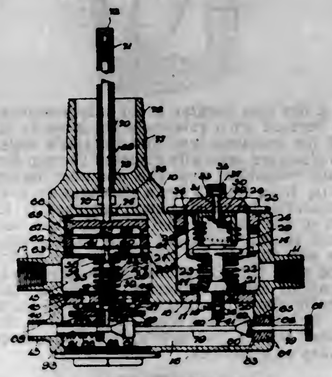
Application April 27, 1943, Serial No. 484,748
2 Claims. (Cl. 36—71)

2. An innersole comprising a thin sole-shaped blank having a reinforcing fabric layer cemented to one face and inwardly channeled about its margin, the lip formed by said channel and including the margin of said layer being turned inwardly, a reinforcing strip cemented to the top face of the feather exposed by the turning inwardly of said lip and to said lip and of a thickness at said feather sufficient to bring its outer face substantially opposite to the top face of said reinforcing layer inwardly of said lip, the feather being cut away at the shank on the inside edge of said innersole, and a cookie having an edge portion overlying and secured to the inwardly turned lip at said cut away portion in position to be secured to said innersole by the inseam securing means.

2,461,714
SAFETY CONTROL FOR GASEOUS FUEL BURNERS

Paul L. Betz, Baltimore, Md., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md., a corporation of Maryland

Application May 14, 1946, Serial No. 669,473
8 Claims. (Cl. 236—21)

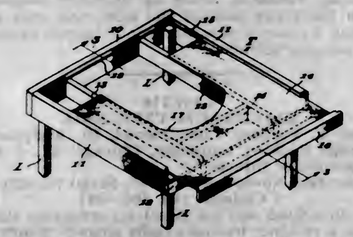


1. In a safety control for burners of gaseous fuels of the type including a fuel passage for a main burner, a second fuel passage for supplying fuel to said first named passage and to a pilot burner passage, a valve for controlling fuel flow through said first named passage, a thermostat having operative connections to said valve, a second valve for discontinuing fuel flow through said second passage and a thermoelectrically actuated device for controlling said second valve, a resetting means for said second valve including the combination of a member operatively connected to said first named valve and separate from said first named operative connecting for closing said first named valve, a member operatively connected to said second valve for opening the same and restoring controlling relationship with said thermoelectrically actuated device, and a manually operated device cooperating with said members for operating the same in sequence and enforcing closure of said first valve if open before opening said second valve.

2,461,715
CHILD'S TABLE

Andrew G. Biggerstaff, Rumson, N. J.

Application November 26, 1947, Serial No. 788,247
3 Claims. (Cl. 311—1)



1. A child's table comprising a rectangular top frame including opposite side bars, a rear bar and a front bar, said side and rear bars being

provided with alined grooves in a plane intermediate the top and lower edges of the bars, and a single table top including a relatively thin panel slidably disposed in the grooves in the side bars and the rear end of the panel adapted to be received in the groove in the rear bar in the closed position thereof, the front bar being disposed below the plane of said grooves, and the front end of the panel being provided with a header bar adapted to rest on said front bar in the closed position of the panel, and releasable locking means between the front and header bars.

2,461,716
ADJUSTABLE DRILL GUIDE AND PILOT

Leland F. Blatt, Detroit, Mich.

Application March 31, 1947, Serial No. 738,355
1 Claim. (Cl. 77—55)

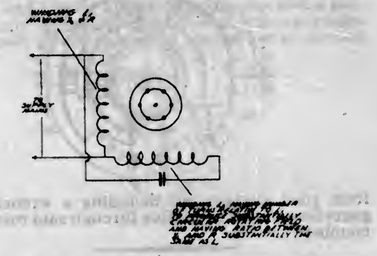
In a drill guide, the combination with a drilling tool and a bit driven by such tool, of an attachment comprising an elongated tubular guide member in which the bit is rotatable, such member having a work-engaging extremity, a support for said guide member elongated axially of said tool and having a rear end portion fixed on a non-rotating portion of said tool and having a tubular front end portion in which said guide member is slidable, a spring reacting between the support and tubular guide member to urge the guide member toward the point of the bit, a stop element exteriorly carried by said guide member, and a companion stop element carried by said support adjustable to and from the stop element on the guide member to selectively limit the effective stroke of the bit, a key set into said support, said guide member being longitudinally slotted to receive a portion of said key, whereby the guide member is restrained from rotation, said key being covered by and retained in its use position by said adjustable stop element.

2,461,717
CONDENSER MOTOR

Willem Frederik Boelsums, Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee

Application May 13, 1946, Serial No. 669,225
In the Netherlands July 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 21, 1961
5 Claims. (Cl. 318—220)

1. A condenser motor, comprising a field winding having a condenserless branch and a condenser branch, said condenserless branch comprising a first wound coil having a given number of turns and having a reactive impedance value different from the ohmic impedance value thereof, said impedance values being in a given ratio, said condenser branch comprising a second

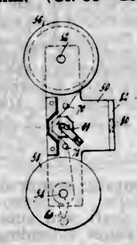


wound coil having a number of turns different from said first coil and producing with said first coil a substantially circular rotating field, said second coil having reactive and ohmic impedance values in the same ratio as the said given ratio.

2,461,718
FILM VIEWER

Anthony J. Bruno, New York, N. Y.

Application May 14, 1946, Serial No. 669,633
1 Claim. (Cl. 88—16.8)



A film viewer comprising a vertical frame, spindles on said frame for rotatably supporting film reels near the top and bottom of said frame, a transparent prism rotatably supported by said frame between the reel-supporting means, film-feeding means mounted at one end of said prism having a film-engaging tooth at each angle of the prism, and film-guiding means adjacent to said prism, said film guiding means including two pins mounted on said frame above and below said prism and parallel with the axis thereof, and a shield on said frame having a vertical panel with an aperture horizontally aligned with the prism and adjoining panels inclined forward from the upper and lower edges respectively of the vertical panel for substantially uniform spacing from the periphery of the prism, said panels having horizontal ribs projecting therefrom toward the prism tending to prevent a film on said prism from becoming disengaged from said feeding teeth.

2,461,719
ROAD ENGAGING MEANS FOR AUTOMOBILES

Aloysius J. Cawley, Pittston, Pa.

Application October 25, 1944, Serial No. 560,280
2 Claims. (Cl. 301—47)

1. A road engaging apparatus consisting of a rotatable member, and auxiliary road engaging

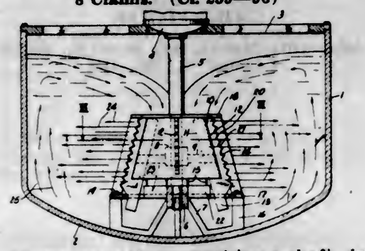
portion overlying and located to the rear of said cut away portion turned up at said cut away portion in position to be secured to said innersole by the inseam securing means.

1. A child's table comprising a rectangular top frame including opposite side bars, a rear bar and a front bar, said side and rear bars being

means, means for bringing said auxiliary road engaging means into road engagement and means for releasing said auxiliary road engaging means

from road engagement including a wrench engageable element accessible through said rotatable member.

2,461,720
MIXING APPARATUS
Richard L. Cawood and Bryant W. Richardson, East Liverpool, Ohio, assignors to The Patterson Foundry & Machine Co., East Liverpool, Ohio, a corporation of Ohio
Application July 29, 1944, Serial No. 547,234
8 Claims. (Cl. 259—96)



1. Mixing apparatus comprising a shaft, driving means therefor, a frustro-conical impeller carried by the shaft and substantially coaxial therewith, and vanes extending elementally on the exterior of the frustro-conical impeller and projecting beyond the large end of the frustro-conical impeller, and a plurality of stationary vanes spaced outwardly from and extending in substantially the same direction as the vanes of the exterior of the impeller.

2,461,721
EGG INSPECTION TABLE FOR MOVING INDIVIDUALLY SEPARATED EGGS ACROSS A LIGHT SOURCE
John R. Clark, Denver, Colo., assignor of fifty per cent to Cecil D. Hingley and Ernest A. Hingley
Application July 29, 1946, Serial No. 686,931
2 Claims. (Cl. 88—14.6)

1. In an egg inspection table of the type having a light box and a traveling series of grooves, rollers adapted to support the eggs individually between the grooves of adjacent rollers and over said light box, means for confining light rays to each individual row of eggs, comprising: circular, light-shielding discs mounted on each roller, the discs being positioned between the grooves of the roller and the discs on adjacent rollers overlapping each other to form continuously extending, spaced apart, traveling light shields throughout the entire length of the series of rollers.

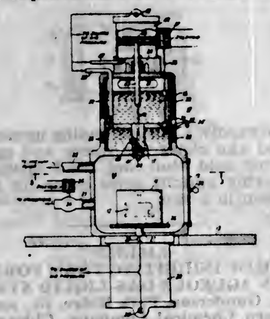
2,461,722
HANGER DEVICE FOR AUTOMOBILE WINDOWS
Curtis C. Coons, North Canton, Ohio
Application August 9, 1946, Serial No. 689,631
4 Claims. (Cl. 224—29)

1. A garment hanging device for supporting garments from the frame of an automobile window, comprising a support comprising vertical upper and lower telescoping slidable members, the upper end of the upper member having a projection to enter the top sash slot of the window frame to interlock the upper end of the device therewith, the lower member having a sill base plate at its lower end to rest on the sill of a window opening and formed with a downward flange to enter the lower sash slot at such opening for interlocking the lower end of the device therewith, a connecting member connecting said upper and lower members for holding the same in adjusted positions to maintain the projection and flange parts interlocked with the window frame, and a garment hanger arm carried by the support and projecting laterally therefrom at a point adjacent the projection on the upper vertical member.

2,461,723
APPARATUS FOR MOLDING WAX
John V. Cowan, Williston Park, N. Y., assignor of one-half to Ysak Pessell, Brooklyn, N. Y.
Application May 7, 1945, Serial No. 592,309
2 Claims. (Cl. 18—30)

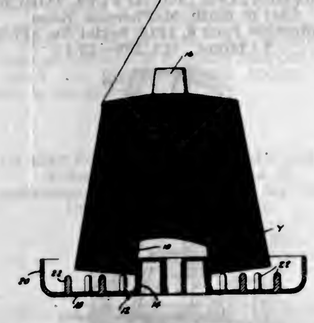
1. A machine for injecting molten material into a die having an opening at the upper portion thereof, comprising a vertically movable platen for supporting said die, a vacuum chamber for enclosing said die and platen, means for evacuating and venting said chamber, a container for molten material positioned above said vacuum chamber, said container being divided into upper and lower compartments connected by a valved passage, heating means for maintaining the material in said two compartments in a molten condition, a second valved passage between said upper compartment and said vacuum chamber means for raising the platen in said vacuum chamber until the opening in the top of said die is closely adjacent said second passage and for maintaining the platen in said position, a third valved passage between said lower compartment and said second passage, pressure means, adapted to be operated when the valve in said first passage

is closed and the valves in said second and third passages are open, for forcing molten material under a first pressure which is greater than atmospheric pressure into the die in said vacuum chamber, a piston in said second passage, and



means for driving said piston downwardly in said passage at a pressure much greater than said first pressure to force additional molten material in said die to compensate for the shrinkage of the pattern formed therein due to cooling.

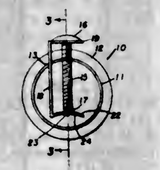
2,461,724
YARN PROTECTOR
Roy H. Davidson, Chicago, Ill., assignor to Ben Cohn, Chicago, Ill., and himself
Application November 27, 1946, Serial No. 712,564
2 Claims. (Cl. 242—130)



1. A yarn protector consisting of a support having a hub projecting upwardly therefrom supporting a yarn spindle, a flat base on said support and a plurality of pin members on said base arranged around said hub, said pin members ending below the bottom edge of a spool of yarn mounted upon said spindle.

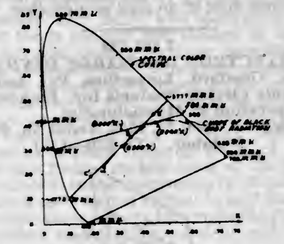
2,461,725
CABLE CLAMP
Harvey A. Einhart, Clyde, Ohio, assignor of thirty-three and one-third per cent to Myron Boyer and thirty-three and one-third per cent to Alexander Ray, both of Clyde, Ohio
Application February 14, 1947, Serial No. 728,531
3 Claims. (Cl. 285—6.5)

3. In association with a conduit box formed with a cable receiving aperture, a cable clamp comprising an open-ended sleeve receivable in said aperture and provided with an open, longitudinally extending slot, an out-turned flange formed at one end of said sleeve, a headed clamping screw extending through the wall of said sleeve and having a pointed extremity, and a substantially U-shaped strip operatively associated with said screw, said strip having a web portion



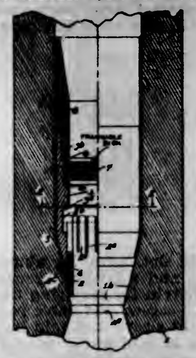
slidable in said slot, a top leg abutting the head of said screw, and a bottom arcuate leg having an opening therein for receiving the pointed extremity of said screw, said cable passing between the wall of said sleeve and said bottom leg, and the tightening of said screw simultaneously urging said bottom leg against the cable and expanding said sleeve in said aperture.

2,461,726
FLUORESCENT PRODUCTS AND METHODS OF PREPARATION THEREOF
Bennett S. Ellefson, Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application December 8, 1942, Serial No. 468,202
8 Claims. (Cl. 252—301.6)



1. The method of producing a fluorescent white mixture with substantially uniform reproducibility of fluorescent white color in accordance with a trichromatic coefficient chart of the type illustrated in the accompanying drawing on which is plotted the curve of black body radiation between 2848° K. and 6500° K., which comprises selecting two fluorescent phosphors of substantially complementary fluorescent colors, the respective trichromatic coefficient points of which on said chart define a straight line which is substantially tangent to the said black body curve at any point between 2848° K. and 6500° K., the limits of the complementary dominant wavelengths at the red end of the spectrum being between 577.7 mmμ and 586 mmμ and the limits of the said complementary dominant wave-lengths at the blue end of the spectrum being between 477.8 mmμ and 490 mmμ and mixing said two phosphors to produce a resultant fluorescent color having trichromatic coefficients corresponding to said point of tangency.

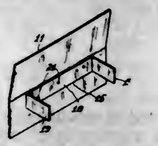
2,461,727
MEANS AND METHOD FOR DETECTING LEAKS IN DRILL STEMS
Robert I. Gardner, San Diego, Calif.
Application January 20, 1945, Serial No. 573,765
5 Claims. (Cl. 137—77)



1. In a device to detect a leak in a drill stem, a hollow member which can be lowered into said stem, a constriction in said stem to limit the downward movement of said member, means to seal said member to said stem, and a sealing unit of predetermined strength to close said hollow member.

3. A method of testing for a leak in a drill stem including sealing the lower end of said stem with a frangible member of lesser strength than the drill stem, noting any fall in pressure of drilling fluid supplied while the lower end is sealed, then rupturing the seal by increasing the pressure of the drilling fluid if no leak is indicated.

2,461,728
ELECTRON DISCHARGE DEVICE
Ross K. Gessford, Emporium, Pa., assignor to Sylvania Electric Products Inc., Emporium, Pa., a corporation of Massachusetts
Application June 25, 1945, Serial No. 601,398
9 Claims. (Cl. 250—159)



1. An electron discharge device including a plate member, a support, a first U-shaped clamp member, a second U-shaped clamp member, means for attaching said first clamp member to said plate and said second clamp member to said support, said U-shaped members being relatively telescopically arranged and attached together for positioning and supporting said plate member with respect to said support.

2,461,729
BUBBLE CAP MOUNTING
Hans C. Glitsch, Dallas, Tex., assignor, by mesne assignments, to Glitsch Engineering Company, a partnership
Application December 15, 1945, Serial No. 635,293
6 Claims. (Cl. 261—114)

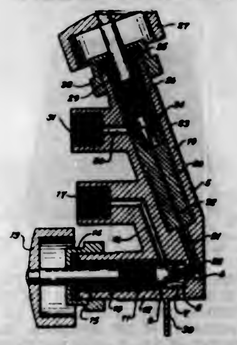
1. A bubble cap mounting for insertion downwardly in a bubble tray riser including, a spider having outwardly movable divergent upright wings, an element attached to the wings for confining them in divergent relation, a head confined between the inner edge portions of the spider wings and movable upwardly to displace said

wings outwardly, a stud extending upwardly from said head and above the spider and cap means for moving said stud and head upwardly, the wings having upright outer edges for frictional engagement in a riser.

2,461,730
METHOD OF INHIBITING FOAM FORMATION IN AN AQUEOUS GAS-LIQUID SYSTEM
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 12, 1942, Serial No. 458,142
4 Claims. (Cl. 252—321)

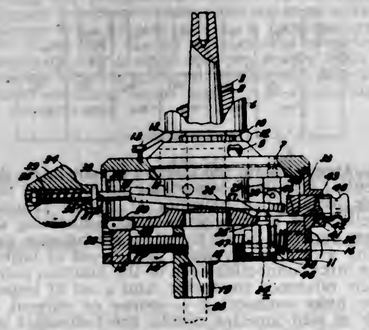
1. The method of inhibiting foam formation in an aqueous gas-liquid system which comprises incorporating therewith a predominantly hydrophobic surface-active organic substance comprising the condensation product of a higher fatty acid and an aliphatic polyamine, said condensation product being further condensed with a higher fatty acid.

2,461,731
PREHEATING LIQUID FUEL TORCH
Carl R. Guth, McPherson, Kans.
Application June 6, 1945, Serial No. 597,792
3 Claims. (Cl. 158—27.4)



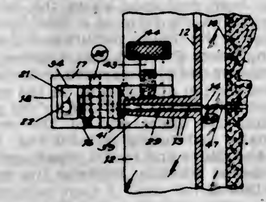
1. A liquid fuel torch comprising a nozzle having a discharge port, an air chamber in the nozzle behind the discharge port, passage means in the nozzle communicating with the chamber and adapted for connection to a source of air under pressure, a valve controlling communication between the chamber and the discharge port, a tubular extension on the nozzle, a plug positioned in the extension having a reduced extension projecting into the discharge port in advance of the air chamber, said plug and reduced extension having a fuel passage therein, and means for feeding fuel to the fuel passage under manual control.

2,461,732
MACHINE TOOL WORKING HEAD
Fred G. Hansen, Toledo, Ohio
Application April 29, 1946, Serial No. 665,818
2 Claims. (Cl. 77—58)



1. A working head accessory for a machine tool having a sleeve, a rotatable spindle in the sleeve provided with a seat, and an opposing work table adjustable toward and from the spindle and sleeve; the combination of a spindle element extension in the seat, a lateral bearing for the extension, a housing for the bearing comprising a first section adjustably fixed with relation to the sleeve and a complemental relatively rotatable second section fixed relative to the extension, said housing providing a chamber between the sections, a ring in the chamber extending transversely to the axis-extended of the spindle and pivoted to one of the housing sections, a tilt adjustment device for the ring as to the housing in which pivoted, a tool holder having a nut, a feed screw for the nut rotatably mounted in the other housing section from that mounting the ring, and an adjustable coupling between the ring and screw for progressing the holder radially relative to the spindle axis.

2,461,733
CLAMP FOR CEMENT FORM PANELS
Arthur J. Harder, Chicago, Ill.
Application April 4, 1947, Serial No. 739,309
10 Claims. (Cl. 25—131)



10. In the art of setting up form walls for receiving therebetween a cement mixture which on setting forms a concrete wall, a plurality of ties for maintaining a pair of form walls in a spaced, bound relation, a plurality of panels, which, when arranged in an edge to edge relation defining one of said form walls, a base member, means associated therewith for temporarily supporting the same upon one of said panels, means carried by said base member for temporarily laterally engaging the tie and holding the same in contact with a vertical edge of said one panel, as the adjacent panel is brought to said one panel in an edge to edge relation said newly set panel rendering said last named means inoperative, the tie being then laterally supported by the two panels, means carried by said base member for rigidly engaging the end of the tie through the recess formed by the edges of the two adjacent panels resulting from the interposition of the tie therebetween, and means for rigidly engaging said base member with the two set panels for binding the tie thereto and for mutually interlocking the two set panels.

2,461,734
FLAME HARDENING APPARATUS
Albert L. Hartley and Adolph H. Davis, Cincinnati, Ohio, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio, a corporation of Delaware
Original application June 19, 1945, Serial No. 600,354. Divided and this application December 8, 1945, Serial No. 633,731
1 Claim. (Cl. 266—4)

In a flame hardening burner, for progressively flame hardening the gear tooth surfaces of the intertooth space between a pair of teeth of a gear, a burner body having a portion conforming to the shape of said intertooth space of the gear to be hardened, and heating, quenching, and cooling means in said portion including a series of flame jet openings in said portion, a series of quenching jet openings in said portion, a baffle formed integral with said portion at an interspaced position between said flame and quenching jets, a series of tooth cooling jets located in the body portion of said burner in rows parallel to the direction of progressive movement of gear tooth and burner including jet openings for projecting coolant normal to said direction of progressive movement so as to direct a cooling liquid to the outside faces of the pair of gear teeth being hardened at a point opposite point of engagement of the flames on the faces of the teeth in the intertooth space, passageways in said body for conducting a source of fuel to said flame jets, and further passageways for conducting a source of quenching and cooling liquid to said quenching and cooling jet openings.

2,461,735
PROCESS OF TREATING INTERPOLYMERS OF STYRENE, ALLYLIC FUMARATE, AND ALLYLIC ALCOHOL
Charles A. Heiberger, Nitro, W. Va., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application December 10, 1946, Serial No. 715,345
7 Claims. (Cl. 260—78.5)

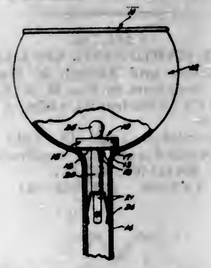
1. A process of improving preformed acetone-soluble interpolymers of a styrene, an allylic fumarate, and an allylic alcohol which normally exhibit lachrymatory effects after storage, which comprises heating a mixture of the interpolymer and an inert liquid solvent of the same at a temperature in the range of from 70 to 125° C. for from 1 to 24 hours so that the allylic alcohol is effectively liberated from the interpolymer, and concurrently removing from the zone

1. A bubble cap mounting for insertion downwardly in a bubble tray riser including, a spider and means for feeding fuel to the fuel passage under manual control.

same in contact with a vertical edge of said one mer, and concurrently removing from the zone

of heat treatment liberated allylic alcohol, the operations being continued until the residual thermally-modified soluble interpolymer shows on standing for 7 days at 70° C. the presence of not more than 0.4% weight of "free" allylic alcohol.

2,461,736
COFFEE FILTER
John E. Hooper, Burbank, Calif.
Application March 25, 1946, Serial No. 656,954
3 Claims. (Cl. 210—162)

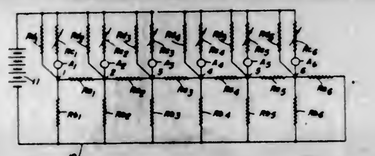


1. A coffee filter for reception in a receptacle including a bowl having a bottom neck with a symmetrically curved side wall and a hollow stem depending therefrom, comprising a body having an annular downwardly facing surface engageable with said curved side wall of the neck in circular line contact and containing small circularly spaced filter recesses intersecting said line of contact, said surface being curved upwardly at each side of said line of contact, and means receivable within said stem for holding the body against upward displacement.

2,461,737
EMERGENCY TIRE CHAIN
Hal P. Huffman, Rockford, and Ralph B. Snively, Winnebago, Ill.
Application March 24, 1947, Serial No. 736,818
6 Claims. (Cl. 152—233)

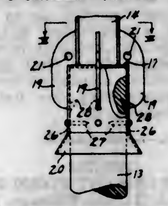
5. The combination of a length of chain terminating in a member at one end, an element projecting from said member and swiveled thereon to turn about an axis substantially normal to the member, a lever fulcrumed on the projecting end of said element to swing against and away from said member, a tension link detachably connected at one end to the other end of said chain and connected at its other end to said lever at a point intermediate the ends of the lever and offset laterally of the lever from said axis whereby the free end of the lever is swung laterally under the tension applied to said chain, and means on said member receiving the lever when the latter is swung laterally and acting to hold the free lever end against said member.

2,461,738
DEVICE FOR SOLVING EQUATIONS
Walter C. Johnson, Princeton, N. J.
Application June 10, 1946, Serial No. 675,799
12 Claims. (Cl. 235—61)



1. Apparatus for the solution of non-linear differential equations comprising an electrical network including a plurality of spaced junction points, a set of impedance links connecting adjacent junction points together, a conductor providing a reference voltage level, a set of impedance links connecting each of the junction points to the reference conductor, and a set of impedance links connecting a source of current to each of said junction points, the individual impedance links of at least one of said sets of links being independently adjustable, means for ascertaining the potentials of the junction points with reference to the reference conductor, and means for ascertaining the current flow in at least the independently adjustable set of impedance links.

2,461,739
PILE SPLICE
Knox Kershaw and Royce Kershaw, Montgomery, Ala.
Application June 11, 1946, Serial No. 675,967
6 Claims. (Cl. 61—53)



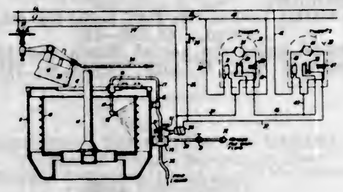
1. In a repair means for a marine structure including a superstructure and wooden piling which has been destroyed above the mud line, a repair section in the form of a steel beam interposed between the superstructure and the existing wood piling below the mud line, a splice comprising a circular metal plate secured to the lower end of the steel section and resting on the upper end of the wood pile, a sleeve secured to the plate and surrounding the upper end of the wood pile, longitudinally extending reinforcing members joined to the sleeve and to the repair section, and securing means coacting between the splice and the wood piling.

2,461,740
PROCESS OF MAKING ORGANIC ACIDS FROM CARBONACEOUS MATERIAL
Myron Kiebler, Pittsburgh, Pa., assignor to Carnegie Institute of Technology, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 2, 1947, Serial No. 777,579
7 Claims. (Cl. 260—515)

1. The process of making organic acids from carbonaceous material selected from the group

consisting of coal, coke, carbon blacks and pitch, which comprises preoxidizing it by reacting it with an oxidizing agent which can be reoxidized by reaction with air at atmospheric pressure, dissolving the preoxidized material in an aqueous alkaline solution, treating the aqueous alkaline solution with oxygen gas at a temperature of 200° C. to 300° C. and at a partial pressure of oxygen of 100 to 1000 lbs. per square inch, recovering organic acids, reoxidizing the first mentioned oxidizing agent with air and recycling it in the process.

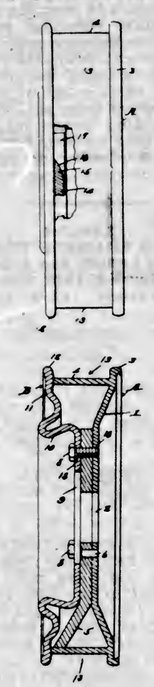
2,461,741
AUTOMATICALLY CONTROLLED SPRAYER FOR CENTRIFUGALS
Ernest G. Koehli, Scarsdale, N. Y., and Charles A. Olcott, West Milford, N. J.
Application February 1, 1945, Serial No. 575,594
6 Claims. (Cl. 210—67)



1. The combination with a centrifugal machine having a basket adapted to be cyclically rotated, of means for effecting the washing of the basket contents, said means comprising a spray member inside the basket, a source of washing fluid outside said basket, a pipe connection between said source and said spray member to supply water to the latter, a portion of said pipe connection being at a lower level than said spray member, a three-port valve in said lower portion of the pipe connection and a downwardly extending drain pipe completely outside said basket and having its upper portion connected to one of the ports of said valve, the other two ports of said valve being connected respectively to said source and to said spray member, said valve being of the type having only two positions and the valve being arranged so that in one of these two positions washing fluid from said source is applied to said spray member and the passage to said drain pipe is closed and in the other of which the spray member is connected to said drain pipe and the passage from said source to said spray member is closed.

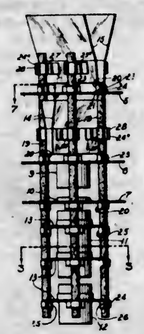
2,461,742
WHEEL
Edward Kostka, La Porte, Ind., assignor of one-half to Adam Kasperek, La Porte, Ind.
Application June 7, 1946, Serial No. 675,061
1 Claim. (Cl. 301—63)

1. A wheel including a disc-like main member, an opposed disc-like removable member, marginal flanges on the members, a laterally extended rim on the main member, radial braces fixed at one end to the main member, the braces being extended angularly into engagement at their other ends with the rim, substantially wedge-shaped lugs on the inner surface of the rim, keepers on the inner surface of the removable member, the keepers having tongues spaced from said inner surface and extended substantially parallel to the peripheral edge of said member, whereby to permit wedging of the lugs between the tongues and the inner surface of the removable member, and



means detachably connecting the main and removable members.

2,461,743
ELECTRODE SECURING MEANS
Walter L. Krahl, Emporium, Pa., assignor to Sylvania Electric Products, Inc., a corporation of Massachusetts
Application June 7, 1946, Serial No. 674,959
11 Claims. (Cl. 250—162)



1. Means for rigidly securing two frame members to each other in accurate predetermined re-

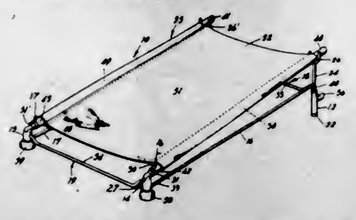
tension applied to said chain, and means on said member receiving the lever when the latter is swung laterally and acting to hold the free lever end against said member.

Serial No. 777,579
7 Claims. (Cl. 260—515)

1. The process of making organic acids from carbonaceous material selected from the group

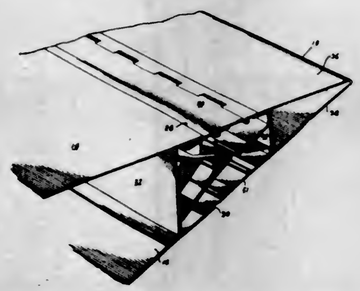
lation, one of said members being of sheet material and including a flat portion and the other a supporting post, said securing means comprising complementary clamping members formed with opposing channels the walls of which are in gripping engagement with said post, one of said clamping members being integral with the flat portion of said sheet member, with its channel extending angularly from said flat portion and providing a locating means for said post, and said other clamping member being attachable to said first named member on opposite sides of said post and providing an anchoring means for the post.

2,461,744
CHILD'S SHAMPOO SUPPORT
Reggie Lee Lafield, San Antonio, Tex.
Application March 2, 1946, Serial No. 651,571
10 Claims. (Cl. 4—185)



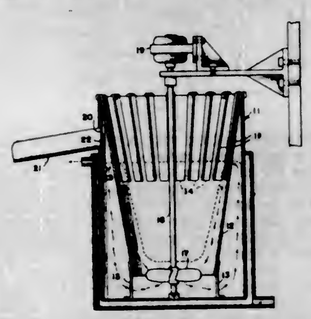
1. The described device comprising a frame having telescopic head legs, rigid foot legs, side rails connecting the head and foot legs, said rails being hinged to the foot legs and rigidly connected to the head legs, said first legs terminating at the upper ends in U-bearings, a support, the upper ends of which are carried by said bearings, hinged bearings on the foot legs for connection with the lower end of the support, said latter bearings being rounds adapted to be projected into side rails of the support, and said support including a sheet with side tubes through which the rails are threaded.

2,461,745
HINGE STRUCTURE FOR AIRCRAFT SURFACES
John M. Lang, Bridgeport, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application December 28, 1944, Serial No. 570,139
8 Claims. (Cl. 244—130)



1. In combination, a main airfoil portion having a trailing edge, a bracket extended rearwardly from said main portion beyond said trailing edge, an angularly adjustable auxiliary portion having a pivotal connection to said bracket, said connection providing a chordwise gap between said portions at the top and bottom surfaces thereof, a gap closure means pivoted to the top and bottom surfaces of said auxiliary portion at the leading edge thereof and extending forwardly therefrom into said main airfoil portion, and means carried by said bracket and pivotally connected to said closure means for maintaining the forward edges of the latter in gap closing relation with respect to the top and bottom surfaces of said main airfoil portion throughout the range of angular adjustment of said auxiliary portion.

2,461,746
AERATOR
Elbert C. Lathrop and Samuel I. Aronovsky, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture
Application January 15, 1946, Serial No. 641,357
1 Claim. (Cl. 259—43)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

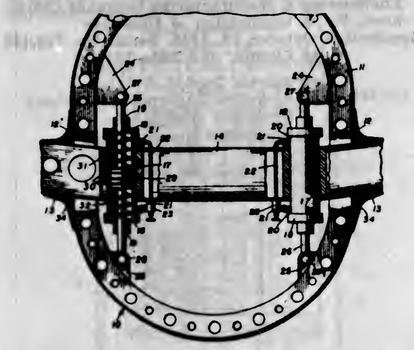


Aerator apparatus comprising a vessel, a circular partition coaxially disposed in said vessel, means for supporting said partition in said vessel above the bottom thereof, the lower section of said partition being imperforate and the upper section comprising a plurality of weirs, said weirs being separated from each other by vertical strips, said strips being narrow relative to the width of the weirs, said vessel having an overflow aperture near the top, a gate adjacent said aperture, and means for securing said gate in different positions relative to said aperture, and means for agitating an impelling flow of fluid material downward at the bottom of said partition.

2,461,747
AIRCRAFT WING MOUNTING
Alfred H. Leonard, San Diego, Calif., and Joseph H. Blandford, Twin Falls, Idaho
Application May 26, 1947, Serial No. 750,546
4 Claims. (Cl. 244—38)

1. Winged aircraft which includes a fuselage, a wing spar mounted in the fuselage for movement parallel with the vertical axis of the fuselage, a wing carried by each end of the wing spar and extending laterally from the fuselage, a cylinder fixed adjacent each end of the wing spar, a plunger rod movable through each cylinder, each plunger rod being fixed at opposite ends to the

adjacent side of the fuselage, and means surrounding each plunger rod yieldingly to support



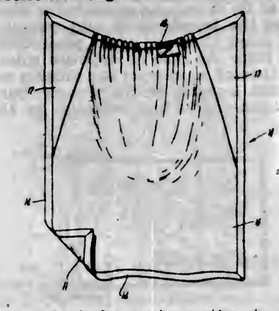
the wing spar substantially midway between opposite ends of the plunger rods.

2,461,748
CHRISTMAS TREE STAND OR HOLDER
William H. Looker, Burlington, Iowa
Application February 1, 1945, Serial No. 575,695
1 Claim. (Cl. 248—48)

A novelty in a Christmas tree holding stand formed of a single blank, having score lines defining a centrally disposed square base section of variable size, each of said score lines being continued as a cut from one end thereof for dividing the blank into four equal sections, each cut being so made as to provide a tab extending outwardly from the edge of the section, and each section having a slot parallel to and rearwardly of the tab, the construction being such that when the sections are folded along the score lines with the tab of one section inserted in the slot of an adjacent section, a tree support having a square opening at the top, with support all the way from top to bottom of the stand for the tree and four outwardly extending legs is provided.

2,461,749
INFANT'S BED COVERING
Fredrika Mallette, Piedmont, Calif.
Application September 11, 1946, Serial No. 696,278
2 Claims. (Cl. 5—334)

1. As an article of manufacture, an infant's bed covering comprising a main fabric section of rectangular form having one end edge gathered into a plurality of folds to form a yielding canopy extending longitudinally toward but short of the opposite end edge to overlie and loosely embrace an infant, and triangular wing sections joined to the opposite side edges of the main section at the



gathered end of the main section to make the sides of the bed cover substantially parallel.

2,461,750
PREPARATION OF PHOSPHATIDES
Ralph A. Marmor and Wendell W. Moyer, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application June 17, 1947, Serial No. 755,255
7 Claims. (Cl. 260—403)

1. The process of manufacturing phosphatides, which comprises extracting oleaginous vegetable material from a raw material with a solvent selected from the group consisting of hexane, trichloroethylene, benzene and ethanol to provide an extract of glyceride oils, phosphatides, and solvent, subjecting said extract to the action of a decolorizing agent, evaporating solvent from the extract to provide a mutual solution of said glyceride oils and phosphatides, and agitating said solution with an aqueous medium, whereby crude phosphatides are separated from the bulk of the glyceride oils.

2,461,751
PREPARATION OF PHOSPHATIDES
Ralph A. Marmor and Wendell W. Moyer, Decatur, Ill., assignors to A. E. Staley Manufacturing Company, Decatur, Ill., a corporation of Delaware
No Drawing. Application June 17, 1947, Serial No. 755,257
8 Claims. (Cl. 260—403)

1. The process of recovering phosphatides from oleaginous material which comprises extracting the oleaginous material with a solvent selected from the group consisting of hexane, trichloroethylene, benzene and ethanol to provide an extract containing glyceride oils, phosphatides, and solvent, decolorizing the extract, evaporating solvent from the decolorized extract at a temperature not exceeding about 50° C. to provide a mutual solution of the remaining glyceride oils and phosphatides, agitating said solution with an aqueous medium to coagulate the phosphatides, and separating the coagulated phosphatides from the bulk of the glyceride oils.

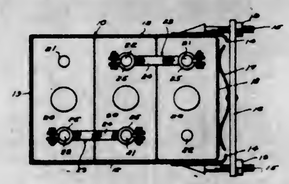
2,461,752
STORAGE BATTERY HOLDER
Clifford H. McConnell, Fort Peck, Mont.
Application March 19, 1946, Serial No. 655,496
1 Claim. (Cl. 136—171)

A storage or secondary battery comprising an open-ended case of non-conducting material, a

1. In combination, a main airfoil portion having a trailing edge, a bracket extended rear-

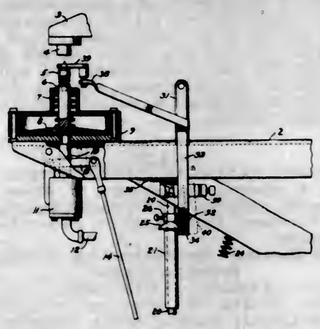
fixed adjacent each end of the wing spar, a plunger rod movable through each cylinder, each plunger rod being fixed at opposite ends to the

group of separate and separable cells in said case, each cell having a positive and a negative terminal at its upper end, detachable connectors connecting the terminals of said cells in series, a pair of screw threaded studs projecting longitudinally from the case on opposite sides of the open end thereof, a pressure bar slidably mounted on the studs, a spring on the pressure bar, a follower of non-conducting material in the case



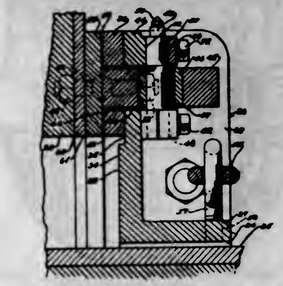
adapted to be engaged by the spring yieldingly to bear on the end of the cell adjacent the open end of the case and clamp the cells in the case, means threaded on the studs to regulate the pressure of the spring against the follower, and inturned flanges on the end edges of the side walls of the case at the open end thereof to retain the follower in the case when the pressure of the spring thereon is relieved.

2,461,753
SAFETY CONTROL FOR PRESSES
Norman S. McEwen, Fort Lauderdale, Fla.
Application September 1, 1944, Serial No. 552,359
4 Claims. (Cl. 192—129)



1. In a safety control for machines which include two opposed dies for operating upon an interposed piece of material, one of said dies being movable toward and away from the other die, and a member for actuating the movable die, the combination of control means for initiating movement of said member, said means comprising a sleeve slidable upon a fixed support, one end of said sleeve provided with an operating extension and the other end provided with one of a pair of companion latching members for normally holding said means in inoperative position; and pivoted release means for rendering said control means operable, said release means comprising one arm forming the other of the latching members and adapted to cooperatively engage and disengage with its companion member, and another arm having a portion positioned to be actuated by a piece of material only when the material is correctly interposed between said dies.

2,461,754
SEALING RING FOR ROTARY KILNS
Fred A. Mertz, Allentown, Pa., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa., a corporation of Delaware
Application October 29, 1946, Serial No. 706,439
18 Claims. (Cl. 285—16)



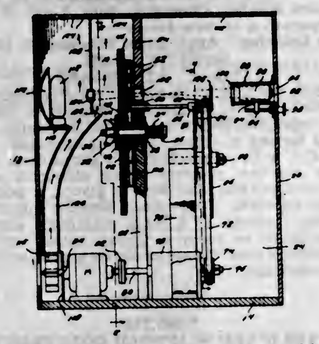
1. A sealing connection for the discharge end of an elongated cylindrical rotary kiln of the type normally subjected to longitudinal expansion and contraction under the influence of temperature changes, and an adjacent normally stationary firing hood, said connection comprising an outwardly projecting ring encircling the kiln adjacent said end thereof, a similar ring carried by the hood, encircling the kiln and having a surface facing the first ring, one of said rings being movable axially with respect to the kiln to compensate for expansion and contraction thereof, and the other ring being relatively fixed, and a plurality of rollers carried by one of the rings, making rolling contact with the other, said rollers being journalled on axes disposed radially with respect to the kiln and being adjustable relative to the first ring to vary the clearance between the two.

2,461,755
FISH LURE
Myron C. Miller, Seattle, Wash.
Application August 9, 1944, Serial No. 548,673
3 Claims. (Cl. 43—40)

1. A trolling device for fishermen, comprising: a head stall formed of a single casting of transparent material and having a rearwardly open cavity for the reception of the head of a baiting minnow, said head stall including a scoop-like forwardly facing laterally concave water impingement surface whose median crosses the longitudinal axis of the head stall at an angle other than at right angles, said head stall being cut away behind and below said water impingement surface to form a prominent lip, a link embedded in said head stall and having at each end an eye, one of said eyes protruding from the water impingement surface above the center thereof in its median to receive a trolling line, the other of said eyes protruding from said head stall

behind said lip and beneath the longitudinal axis of the head stall, resilient means embedded in said head stall to engage a minnow and hold it in said cavity, and fish hooks associated with said eye behind the lip.

2,461,756
DISK PICTURE PROJECTOR
Ralph S. Moore, Visalia, Calif.
Application March 16, 1945, Serial No. 583,015
2 Claims. (Cl. 88—27)

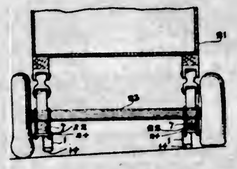


1. In a picture disc projector, the combination which comprises a projector housing having an intermediate partition, said partition having an opening and a light projecting aperture therein, a carriage slidably mounted in said partition opening for vertical movement therein, a picture disc having a series of pictures arranged arcuately on the face thereof, a transparent master disc for supporting said picture disc in face adjacency therewith, means for mounting said picture and master discs for unitary rotation on said carriage, said master disc having secured thereto an axially projecting arcuate flange conforming to the curvature of said arcuately arranged series of pictures and having a series of equally spaced apertures formed therein, a sprocket rotatably supported on said housing and having the teeth thereof arranged for coaction with said flange apertures, said sprocket being disposed beneath said flange in supporting relation therefor and arranged in predetermined spaced relation with respect to said light projecting aperture sufficient to position said series of pictures in registry therewith and to elevate said carriage in said partition variably in accordance with the curvature of the flange upon unitary rotation of said picture and master discs as the sprocket rotates, a light source associated with said light projecting aperture, a condenser lens positioned between said light source and said picture disc, an objective lens system mounted in said housing in alignment with said light source, condenser lens, and light projecting aperture, a shutter element rotatably supported on the housing between said objective lens system and said light projecting aperture and arranged to prevent passage of light from said light source through said objective lens during a fractional portion of one complete revolution of the shutter, means for rotating the shutter at a predetermined speed, and intermittent driving connections between said shutter rotating means and said sprocket for causing predetermined intermittent rotary motion of the sprocket effective to advance said series of pictures successively into registry with said light projecting aperture during successive fractional movements of the shutter respectively.

2,461,757
INTERNAL-COMBUSTION ENGINE
Mortimer H. Moores, Honolulu, Territory of Hawaii
Application February 27, 1946, Serial No. 650,622
2 Claims. (Cl. 123—16)

2. In an internal combustion engine of the character disclosed, the combination of means forming cylindrical combustion and compression chambers and a passageway extending therebetween, a rotary cylindrical valve interposed within said passageway and having a diametrical slot adapted to provide communication between said chambers when the slot is aligned with the passageway and adapted to block the passageway when the slot is mis-aligned therewith, said combustion and compression chambers having fuel exhaust and intake ports respectively, means forming a bypass between said intake port and said passageway intermediate the compression chamber and said rotary valve, throttle valve means interposed in said bypass adapted to control the flow of compressed fuel therethrough, compression and power rotors eccentrically disposed within said compression and combustion chambers and having a plurality of diametrically movable blades adapted to move along the side walls of the chambers as the rotors are rotated, and interconnected driving connections between said rotary valve and said rotors for providing a predetermined angular time spaced relation therebetween.

2,461,758
TIRE-PROTECTING SKID
Reginald Moss, North Miami, Fla., assignor of one-half to Ray Ferwerda, Cleveland, Ohio
Application May 31, 1946, Serial No. 673,541
4 Claims. (Cl. 280—150)



2. An automobile trailer provided with a body, a pair of springs connected with said body, an axle supported adjacent each of its ends on said springs and carrying wheels and tires outwardly thereof, of a tire-protecting body member below each of said springs and consisting of side, top, and bottom walls, rollers mounted in each of said body members adjacent the opposite ends thereof and projecting substantially in alignment with said bottom wall, and providing a curved under-surface positioned beneath each spring below its point of connection with the axle, and means for firmly securing said body member to said spring on each side of said trailer in closely spaced relation to said tire and in predetermined spaced relation to the road surface.

bers and adapted to cooperatively engage and disengage with its companion member, and another arm having a portion positioned to be actuated by a piece of material only when the material is correctly interposed between said dies.

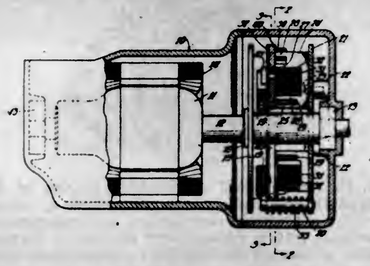
an eye, one of said eyes protruding from the water impingement surface above the center thereof in its median to receive a trolling line, the other of said eyes protruding from said head stall

2,461,759

ALTERNATING CURRENT BRAKE MOTOR

James Holly Nelson and Hoyt Servis, Racine, Wis., assignors to The Dumore Company, Racine, Wis., a corporation of Wisconsin

Application February 28, 1945, Serial No. 579,768
4 Claims. (Cl. 188—171)



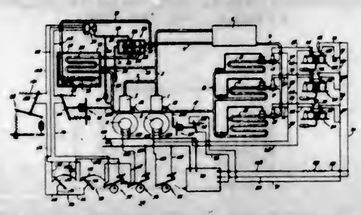
1. In an alternating current brake motor, the combination of an armature shaft, a disk secured thereto and rotating therewith, a non-rotatable braking element disposed adjacent said disk, means to urge said braking element into braking contact with said rotating disk, a toroidal electromagnetic alternating current winding surrounding said armature shaft and having a plurality of pairs of pole pieces associated therewith each pole piece of each pair being slotted, shading means disposed in said slots, and a separate armature in the form of a plate for each pair of pole pieces, said separate armatures being secured to said braking element in a manner such as to permit a slight adjustment in the position of each as each seeks its attracted position.

2,461,760

MULTIPLE REFRIGERATION SYSTEM WITH CONTROLS THEREFOR

Alwin B. Newton, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application April 1, 1944, Serial No. 529,137
19 Claims. (Cl. 62—4)



1. In a refrigerating system, in combination, an evaporator for treating a medium, a thermostatic expansion valve connected in flow controlling relation therewith, means for supplying said expansion valve with refrigerant under relatively high pressure, means for removing refrigerant from said evaporator under relatively low pressure, the minimum temperature of said evaporator depending on the value of said low pressure, by-pass means for connecting said means for supplying refrigerant to said means removing refrigerant, said by-pass means including a valve for controlling the flow through same, the refrigerant flowing through said by-pass affecting the value of said low pressure, and means for regulating the valve in said by-pass in response to the psychrometric condition of said medium in such manner that the value of said low pressure may be varied in a manner to maintain said psychrometric condition constant.

2,461,761

METHOD OF MAKING CELLULAR RESIN MATERIAL

Louis E. Nye, Elkhart, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application February 2, 1945, Serial No. 575,925
6 Claims. (Cl. 260—45.4)

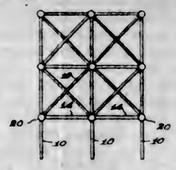
1. The method of making a rigid cellular resin material which comprises forming a mixture of a copolymerizable mix of a monoenic compound having a single terminal ethylenic group $CH_2{=}C<$ with an unsaturated alkyd resin which is the reaction product of an ethylenic-alpha-beta dicarboxylic acid with a glycol, a polymerization catalyst, a chemical blowing agent, and a metal stearate as a foam stabilizer, whipping the mixture to form a foamy mass, and then heat-curing said foamy mass to a cellular hardened condition.

2,461,762

SCAFFOLD AND SCAFFOLD CONSTRUCTION ELEMENT

John R. O'Donnell, Brooklyn, N. Y.

Application February 14, 1946, Serial No. 647,614
11 Claims. (Cl. 304—2)



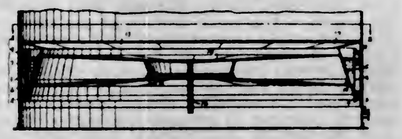
1. A scaffold comprising columns, laterals and clamps, said columns being constituted by pipes all of the same diameter, the lower part of the column being of greater strength than the upper part and being constituted by a plurality of said pipes which are parallel and adjacent, clamps fastening the plural column pipe together, a lateral fastened between two of the parallel adjacent column pipes fastened by the clamp which also fastens together the column pipes and another lateral fastened at each end to the same clamps of opposite columns which fasten the other lateral and two parallel adjacent pipes of a column.

2,461,763

TANK ROOF

Paul Offenhauser, Houston, Tex.

Application February 12, 1946, Serial No. 647,105
2 Claims. (Cl. 220—26)



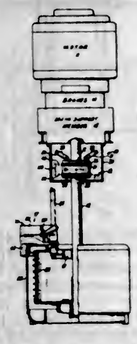
1. A tank roof comprising, an annular trough within, and spaced from, the tank walls, the inner wall of the trough converging inwardly and upwardly, an external annular flange on the lower end of the trough, shoes spaced apart around the trough and in contact with and slidable along, the tank walls, an annular seal around the trough and between it and said shoes and supported on said flange, links flexibly connecting the shoes to the trough, buoyant roof sections assembled within the trough and fitted together and whose outer ends converge upwardly and fit, throughout the area of said outer ends, closely against the inner walls of the trough.

2,461,764

CONTROL MEANS FOR CENTRIFUGALS

Charles A. Olcott, West Milford, N. J.

Application August 25, 1944, Serial No. 551,185
5 Claims. (Cl. 210—70)



1. A sugar centrifugal machine comprising a rotatable spindle, a basket for sugar to be dried carried by said spindle, means for rotating the basket at high speed to dry the sugar, means for rotating said basket at low speed during the unloading operation, a scraper for plowing the dried sugar out of said basket, manually-operated means for moving the scraper to its operating position within the basket and for retracting it to a non-operating position outside the basket, means for locking the scraper in said non-operating position, and safety mechanism interlocking the movement of said rotating means and the movement of said scraper comprising (1) means connected to said high speed driving means and adapted to be operated by the scraper in its movement into the basket for disengaging the high speed driving means and (2) means connected to said low speed driving means and to said locking means to release said locking means when the low speed driving means is energized.

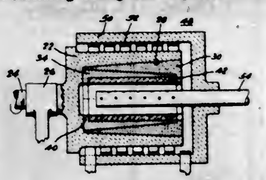
2,461,765

METHOD OF MAKING COMPOSITE BEARINGS

Richard G. Olt, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application July 10, 1943, Serial No. 494,194
5 Claims. (Cl. 29—149.5)

4. In the method of forming composite metal articles having a layer of metal powder bonded to a cylindrical steel support the steps comprising; providing a cylindrical steel support, centrifugally distributing a charge of metal powder into a substantially uniform layer in said support by axially rotating the support while introducing metal powder thereto, and then heating said layer and support while the layer is being held in place through rotation of said support by centrifugal force, said heating being accomplished under suitable conditions of time, temperature and atmosphere to cause the metal powder layer to sinter together into a porous metal layer and simultaneously to cause the porous metal layer to bond metallurgically to said support.

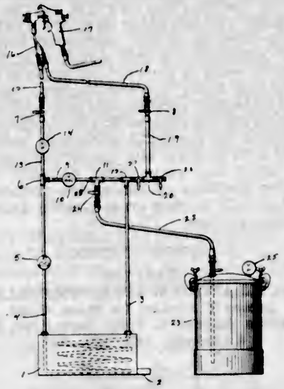


2,461,766

APPARATUS FOR HEATING AND CIRCULATING SPRAY MATERIAL

Donald J. Peeps, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio.

Application June 6, 1945, Serial No. 597,808
2 Claims. (Cl. 222—146)

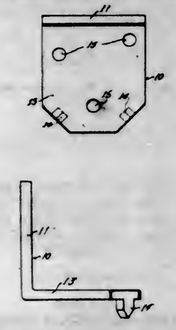


1. In an apparatus for maintaining a continuous flow of heated material available for application by a spray gun, a conduit circuit through which the material passes, a pump in the circuit for forcing material therethrough, a spray gun connection in the circuit from which material reaches the spray gun, a pressure reducing valve in the circuit between the discharge side of the pump and the spray gun connection, a by-pass conduit from the circuit at a point between the pump and the pressure reducing valve across to a point in the circuit between the spray gun connection and the inlet side of the pump, a pressure relief valve in the by-pass conduit to prevent any flow therethrough under a certain pre-determined pressure, a material replenishing inlet communicating with the circuit on the outlet side of the pressure relief valve and valve means in the circuit between the spray gun connection and the material replenishing inlet for directing the material through a draining outlet in order to remove material from the circuit.

controlling the flow through same, the refrigerant flowing through said by-pass affecting the value of said low pressure, and means for regulating

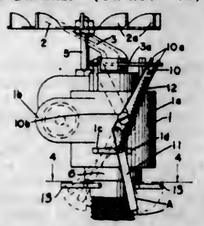
1. A tank roof comprising, an annular trough within, and spaced from, the tank walls, the in-

2,461,767
CARLOAD BRACING SPUR CLEAT
William T. Peyton, Dallas, Tex.
Application November 22, 1948, Serial No. 61,347
1 Claim. (Cl. 105—369)



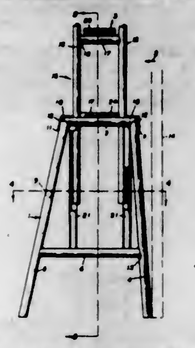
As a new article of manufacture, a carload bracing spur cleat comprising a relatively thick metallic plate body having a thickness of not less than $\frac{1}{8}$ of an inch, and bent entirely across the plate at an angle forming two legs, one leg forming a load engaging portion and the other leg forming a substantially rectangular floor anchoring portion, the two free corner portions of the latter portion being bent downwardly substantially normal to the anchoring portion and forming sharpened prongs adapted to penetrate the floor or walls of the car, the angle of the bend of the prongs being thereby disposed obliquely to the load engaging portion, and said load engaging and anchoring portions of the body having openings therein for receiving anchoring means auxiliary to said prongs, the upper portions of the prongs being cut away after bending, whereby the major portions of the entire prongs will be of substantially square cross-section and of constant shape and size.

2,461,768
OSCILLATING WATER SPRINKLER
James T. Porter, La Mesa, Calif.
Application August 7, 1945, Serial No. 609,397
4 Claims. (Cl. 299—68)



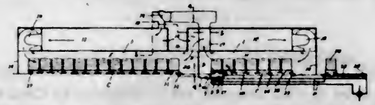
3. A water sprinkler having a revoluble housing and a revolubly mounted nozzle on said housing, an arm on said nozzle, a pair of nozzle trip levers on said housing associated with said arm, a waterwheel adapted to be rotated alternately in two directions by water flowing from said nozzle, a gear train between said waterwheel and said housing, and stops adapted to trip said trip levers and said arm when said housing is rotated in either direction, said pair of trip levers being pivotally connected together and secured on a single pivot on said housing and having a spring stretched in intermediate relation between the levers of said pair to provide over-center snap lever action.

2,461,769
TRESTLE
John L. Posun and Le Roy Houghton, Johnstown, Pa., assignors of one-third to Howard C. Faust, Johnstown, Pa.
Application March 3, 1947, Serial No. 732,004
1 Claim. (Cl. 304—5)



In a trestle of the class described, a pair of opposed base frames diverging downwardly relatively, and each including a top bar and a pair of legs diverging downwardly from the top bar, a pair of cross bars connecting said frames together at the top corners thereof in spaced apart relation, cross rounds connecting the legs of the opposed frames adjacent the bottoms thereof, a horizontal bar extending between said cross rounds, a pair of angle bars upstanding from said horizontal bar with channel sides facing, a ladder section with rungs and slidably fitted in said angle bars to be slid into a position of rest on said horizontal bar and to be vertically adjusted off said horizontal bar, said ladder section slidably fitting between the pair of cross bars, and a trough-like keeper bar swingable on one top bar under rungs of said ladder section into bridging relation to said top bars to hold said section in adjusted position off said horizontal bar.

2,461,770
DEHYDRATOR
Romolo L. Puccinelli, Turlock, Calif.
Application August 3, 1943, Serial No. 497,153
3 Claims. (Cl. 214—23)



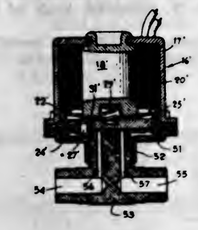
1. In combination with a tunnel and a train of cars disposed in said tunnel; a rod, means to advance and retract said rod, a fixed dog on the rod adapted to normally engage the front car of the train of cars when the rod is in retracted position; a pair of spaced stops on said rod, a second dog floating between the stops and adapted to normally engage the rear car of such train of cars when the rod is in retracted position, the advancement of the rod first causing the fixed dog

to move such front car a predetermined distance while the second dog floats on the arm, continued movement of the arm causing one stop to engage the second dog and cause it to move the balance of the train a predetermined distance, retraction of the rod carrying both the dogs back to normal starting position.

2,461,771
ROTARY DUMP
Erskine Ramsay, Birmingham, Ala.
Original application October 30, 1944, Serial No. 560,930. Divided and this application September 8, 1945, Serial No. 615,185
2 Claims. (Cl. 214—52)

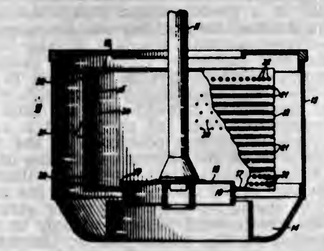
1. In a mine haulage system including an endless cable, and drive means for the cable, an upwardly inclined tipple, a rotary dump included in the tipple through which the endless cable passes, mine cars having outwardly curved sides, V-shaped frictionally engaging grabs on the cars disposed to engage the cable, roller bearings mounted in the sides of the dump to engage the cars as they are hauled through the dump and of a length corresponding to the height of the sides of the cars and inwardly curved between their ends to fit against the sides of the cars and hold them as they are rotated.

2,461,772
FLUID CONTROL VALVE
William A. Ray, Los Angeles, Calif., assignor to General Controls Co., a corporation
Application November 20, 1944, Serial No. 564,188
3 Claims. (Cl. 137—139)



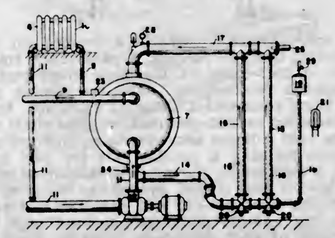
1. In a fluid control valve: a cup-shaped casing; a member having a cylindrical portion mounted so as to extend through an opening in the end wall of said casing in a direction generally at right-angles thereto, and at its outer end a pair of laterally-extending portions forming an inlet and an outlet connection for the valve, said member having a pair of passages extending longitudinally of said cylindrical portion to the inner end thereof and communicating individually with said connections; a closure cooperably with said inner end of the member to control fluid flow through said passages; and motor means sealingly covering the open end of said casing for moving said closure in opposite directions generally along the axis of said cylindrical portion of the member; said passages serving as the sole means for conveying fluid through the valve.

2,461,773
BALANCING CENTRIFUGAL MACHINE
Thomas H. Reid, Brooklyn, N. Y.
Application June 11, 1945, Serial No. 598,811
1 Claim. (Cl. 210—76)



A basket for a sugar centrifugal which is normally slightly out of balance comprising a bottom member, an upper head member and a cylindrical wall therebetween, said wall having a central portion with a plurality of grooved rings therearound and upper and lower portions adjacent the head member and bottom member, respectively, which are free of grooves, said grooved rings and said upper and lower portions each having a plurality of apertures arranged in at least one row around the circumference of the wall from which apertures the liquid from the sugar-bearing material carried by the basket during the centrifuging process is ejected during said process, the metal surrounding the outer end only of certain ones of the said apertures in at least one of said portions which are free of grooves being removed to such an extent that the said basket is balanced, said certain ones being on the side of said basket which would be the heavy side when it is rotating were it not for the said removal of metal.

2,461,774
HOT WATER HEATING SYSTEM
Leroy R. Robertson, Richmond, Va.
Application May 26, 1947, Serial No. 750,521
4 Claims. (Cl. 219—39)



1. A heating system comprising in combination a heat exchanger having tubing aligned therein, a heating fluid surrounding said tubes for transferring its heat to the interior of said tubes, electrical heating elements for heating said fluid, piping connected to said heat exchanger for supporting electrical heating elements and circulating the heating fluid from the exchanger to the heating elements and back to the exchanger, riser piping connected to one end of the exchanger tubing and running to heating radiators then returning to the opposite end of the exchanger tubing for carrying the heated radiator water to the radiators, an expansion tank and

and said arm when said housing is rotated in either direction, said pair of trip levers being pivotally connected together and secured on a

mally engage the rear car of such train of cars when the rod is in retracted position, the advancement of the rod first causing the fixed dog

ing as the sole means for conveying fluid through the valve.

changer tubing for carrying the heated radiator water to the radiators, an expansion tank and

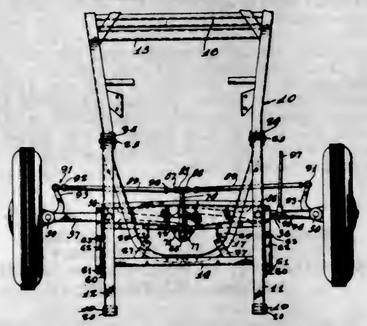
bleeder attached to said heat exchanger, a circulator pump positioned in said return line, and a room thermostat for making demands on a magnetic switch for closing the electrical circuit and energizing the heaters and heating the heating fluid to a predetermined temperature, an aquastat mounted on the riser line for operating the circulator to force the hot radiator water from the heat exchanger through the radiators and return, another aquastat mounted in the return line used as a high limit control to override the thermostat demand until the fluid has cooled sufficiently until the thermostat is satisfied a pressuretrol also positioned in the riser piping to override the thermostat in case of the failure of the aquastat limit control, the thermostat, aquastat in the return piping and the pressuretrol in the upper main pipe being wired in series, the pressuretrol being used only in case the aquastat in the return line or thermostat should fail to operate properly, thereby protecting the system from any undue pressure.

2,461,775

VEHICLE SPRING SUSPENDED HALF-AXLE FOR SUPPORTING STEERABLE WHEELS

Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application September 18, 1944, Serial No. 554,643
1 Claim. (Cl. 280—96.2)



In an automotive vehicle a frame; an axle supporting member forming a part of the frame; a pair of half-axles having their inner ends in overlapping relationship; said overlapping portions being formed with aligned openings; bushings disposed in said openings; a pivot shaft carried by said support and extending through said bushings forming a pivotal axis for said half-axles; a leaf spring assembly arranged adjacent each side of said frame; means for securing the leaf spring assemblies to said half-axles; a wheel supporting spindle pivotally mounted upon the outer end of each half-axle; a road wheel rotatably supported upon each spindle; an arm journaled on said frame adjacent the pivot shaft, and tie rods connecting each wheel supporting spindle to said arm.

2,461,776

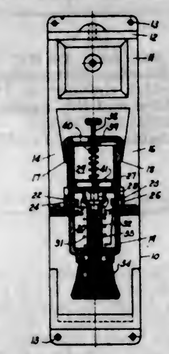
SHAVING BRUSH HEATING MEANS

Peyton Rowan, Anniston, Ala.

Application September 4, 1945, Serial No. 614,170
2 Claims. (Cl. 219—23)

1. The combination with a fountain brush having a hollow handle with an electric heating element therein and having contact members for

the element extending through the sides of the handle, together with a bracket for removably supporting the brush by its handle and having contact members disposed to engage the contact members on the handle of, a source of E. M. F., a switch carried by the bracket for connecting the source of E. M. F. and the contact members,



a second heating element carried by the bracket and in circuit with the switch and the contact members, a spring carried by the bracket for biasing the switch toward open position, a latch for holding the switch closed, and means movable responsive to heat generated by the second heating element for disengaging the latch.

2,461,777

CATTLE MARKER WITH MEANS TO LIMIT THE SWINGING MOVEMENT OF THE MARKER PLATE

William F. Schacht, Huntington, Ind.; William J. Schacht, executor of said William F. Schacht, deceased, assignor to William F. Schacht, II, and Robert W. Schacht, both of Huntington, Ind.

Application September 27, 1944, Serial No. 556,014
2 Claims. (Cl. 40—3)

1. A chain marker for livestock comprising a chain adapted to encircle the neck or spaced horns of the livestock, an indicia plate suspended by a double hook from said chain, and means on the plate at opposite sides of the hook for limiting the swinging movement of the plate on the chain in the lateral and vertical directions, said limiting means comprising a shank of substantial length and width extending from the upper edge of the plate and having a perforation; said double hook having one eye engaging a link of the chain and its other eye engaging the perforation in said shank; and a pair of tongues extending from said shank and bent to form eyes offset forwardly of the plane of the plate and disposed at opposite sides of the perforation and closely adjacent to said other eye of the double hook.

2,461,778

CASTER

William F. Schacht, Huntington, Ind.; William J. Schacht, executor of said William F. Schacht, deceased, assignor to William F. Schacht, II, and Robert W. Schacht, both of Huntington, Ind.

Application May 7, 1947, Serial No. 746,482
8 Claims. (Cl. 16—20)

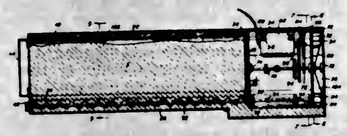
1. In a caster for furniture or the like; a swivel plate; a roller journaled on said plate; said plate having a circular opening on its vertical axis; a stud having its lower end extending through the said opening and having an enlarged head engaging the underside of the plate; said stud having a head on its upper end; a base plate on said stud adapted to be secured to an article of furniture and engaging the said head at the upper end of the stud; a cup-shaped member having a central opening receiving said stud and having its base seating upon the swivel plate; and an inverted cup-shaped member of larger diameter than the first mentioned cup-shaped member having a central opening receiving said stud and having its base engaging the underside of the base plate and having its side walls surrounding the side walls of the first mentioned cup-shaped member.

2,461,779

ROAD SANDER

Elmer J. Schall, Germania, Pa.

Application April 12, 1948, Serial No. 20,572
3 Claims. (Cl. 291—23)



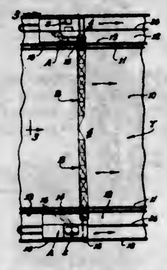
1. In a motor vehicle having a chassis, rear wheels, and an air exhaust conduit; a sander comprising an elongated housing secured to said chassis having an upper compartment, a rear compartment and a lower compartment, said lower compartment having an upper wall including an elongated opening, a sand reservoir slidably and rotatably positioned in said upper compartment, said reservoir including a wall having an opening registrable with said first-mentioned opening, a screw conveyor rotatably journaled in said lower compartment, means in said rear compartment for driving said conveyor, nozzles secured to the chassis in front of the rear wheels, sand delivering conduits interconnecting said nozzles with the rear of said lower compartment, and means for drawing warm air through said upper and lower compartments.

2,461,780

STARTING GATE

Edward M. Smith, Charles E. Whittaker, and John S. Goodwin, Whittier, Calif., assignors to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California

Application August 12, 1946, Serial No. 689,910
17 Claims. (Cl. 119—15.5)



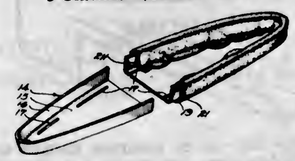
1. A race track having a course along which the race is run, a carriage operative lengthwise of the course at the margin thereof, motor means operatively associated with said carriage for propelling the same, a horizontally disposed gate carried by the carriage on a vertical pivot and operable from a closed position transverse of the course to an open position entirely clear of the course, locking means carried by said carriage and releasably connected with said gate to retain the same in such closed position, means operatively associated with said locking means to release the same, and means carried by said carriage and operatively connected with said gate to open the gate while the carriage is in operation by swinging the gate in the direction that the carriage is operating.

2,461,781

MANICURIST BUFFER

Anne Sorrell, Hollywood, Calif., assignor of one-half to Margot Keller, Beverly Hills, Calif.

Application March 17, 1947, Serial No. 735,090
5 Claims. (Cl. 132—76.5)



3. An improved buffer comprising a thin walled and cavitated body shell containing a series of slots extending through the shell, a pad on the bottom of said shell and attached thereto, a buffer covering extending about said pad and insertable in doubled condition within said slots to retain the covering on the body, and a handle head attached to the body.

2,461,782

SAW SETTING MACHINE

Conrad Stadick, Searles, Minn.

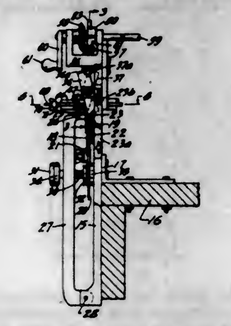
Application May 8, 1946, Serial No. 668,280
6 Claims. (Cl. 76—61)

1. A saw setting machine comprising, means for supporting a saw to permit movement of its teeth along a determined path, anvil members disposed at opposite sides of said path, a shaft

2 Claims. (Cl. 219—23)

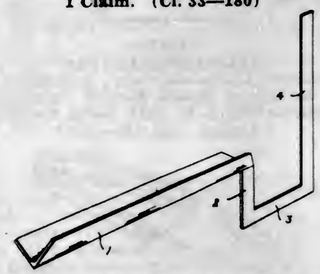
1. The combination with a fountain brush having a hollow handle with an electric heating element therein and having contact members for

having its axis disposed in a plane common to the teeth of a saw carried by said supporting means and in outwardly spaced relation to the teeth, a pair of hammers pivotally mounted on said shaft and formed and disposed to coact with said anvil members respectively in setting the saw teeth, means for spacing said hammers variously



along said shaft to set variously spaced saw teeth, a rigid arm projecting from each of said hammers, a cam positioned between said arms for actuating them and to alternately retract said hammers from the saw teeth and then release them, resilient means for actuating said hammers to strike the saw teeth when released by said cam and means for actuating said cam.

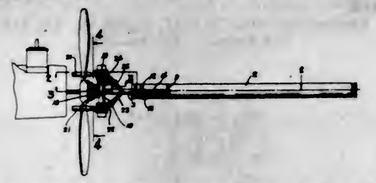
2,461,783
GAUGE FOR COLLOCATING PIPE SECTIONS
Charles John Stark, Duluth, Minn.
Application February 16, 1948, Serial No. 8,499
1 Claim. (Cl. 33—180)



A device for use in squaring flanges as they are applied to pipes comprising a V-shaped body portion adapted to engage the outer wall of said pipe, a gauging blade spaced from said body portion and disposed at a right angle thereto, and a substantially L-shaped extension fixed to one end of said body portion and at the other end to one end of said blade to hold said blade in said spaced relation with portions thereof extending beyond said body portion on opposite sides thereof, said body portion, blade, and extension being unitary.

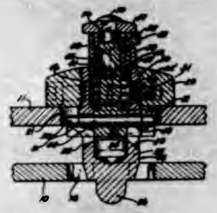
2,461,784
ENGINE STARTING DEVICE
Clifford E. Streed, Minneapolis, Minn.
Application April 18, 1945, Serial No. 588,937
10 Claims. (Cl. 185—37)

1. In a starter for miniature airplane engines, a drive shaft having means at one end for aligning it with an engine crank shaft and a propeller secured thereto, an element mounted for relative pivotal movement on the drive shaft about an axis disposed transversely thereto, means for preventing pivotal movement of said element in one direction whereby when the starter is opera-



tively applied to the engine crank shaft or the hub of the propeller and the drive shaft is operated, said element will engage and rotate the propeller to start the engine, said element being swingable in the opposite direction to permit unrestricted rotary movement of the propeller when the engine starts.

2,461,785
QUICK RELEASE MECHANISM FOR PARACHUTE HARNESSES
Frank J. Sullivan, Oshkosh, Wis.
Application July 22, 1944, Serial No. 546,155
5 Claims. (Cl. 24—73)



1. A parachute harness clasp, comprising a plate having attached thereto one strap of a body-engaging parachute harness, a complementary plate having attached thereto another strap of a body-engaging parachute harness, a headed key revolubly engaging both of the plates and securing the same together when in a turned position of adjustment, there being a slot in one of the plates through which the headed portion of the key may pass for separation of the plates when the key is in another turned position of adjustment and the other plate being formed with stop slots, a control member telescopically engaged with the key and yieldingly, axially movably associated therewith, and a pin carried transversely by the control member and engageable in the stop slots of said other plate for preventing turning movement of the key except upon a predetermined axial movement of the control member to disengage said pin from said stop slots.

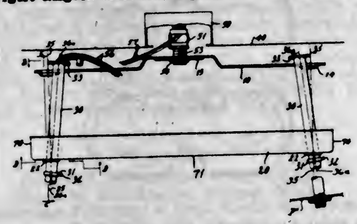
2,461,786
FLUORESCENT LIGHTING FIXTURE
Joseph Terr, Cleveland, Ohio, assignor to Holden-line Company, Cleveland, Ohio, a corporation of Ohio
Application October 16, 1946, Serial No. 703,692
3 Claims. (Cl. 248—343)

1. An improved mounting means for lighting fixtures of the suspension type, comprising generally rectangular elongated flat strap means having a centrally apertured inversely shaped

nozzles with the rear of said lower compartment, and means for drawing warm air through said upper and lower compartments.

for supporting a saw to permit movement of its teeth along a determined path, anvil members disposed at opposite sides of said path, a shaft

cup portion, said strap being provided with a pair of recessed seating wells, one at either end thereof, an opening at either end of said strap adapted to be keyed with one of said wells and disposed at right angles thereto, a pair of tubular suspen-

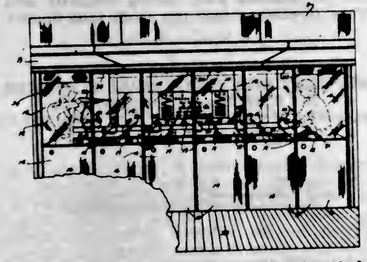


sion members, an end of each adapted to be telescoped through one of said opposite end openings and to be rotated into alignment with said associated well, wherefore the suspension member may be supported by said strap means.

2,461,787
JEWELRY BOX
Samuel Trachtenberg, Cleveland, Ohio
Application October 26, 1945, Serial No. 624,731
1 Claim. (Cl. 206—44)

A display and souvenir box for rings and the like comprising in combination a base member, a housing secured thereto and a ring holding and indicia carrying platform removably connected with said housing and base member, the central upper part of said housing being substantially V-shaped and the forward half of said housing being formed of a pair of doors having front, top and side surfaces, said platform having at the rear thereof an upstanding indicia carrier, the central part of the upper surface of said carrier fitting within the said central upper part of said housing.

2,461,788
SHOOTING GALLERY
Walter A. Tratsch, Chicago, Ill., assignor to Clarence E. Threedy, Chicago, Ill., trustee
Application February 7, 1945, Serial No. 576,625
2 Claims. (Cl. 273—95)

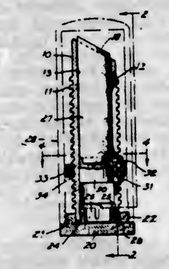


1. A shooting gallery comprising a booth having an open side and a door in the wall opposite said open side, an electric circuit having a source of electric energy, a switch in said circuit normally closed when the door of the booth is closed, an aiming device in each of said booths comprising an electrically controlled member, and a coin-controlled device in each of said booths for connecting the electrically controlled member with said source of electric energy when said switch is closed by said door.

2,461,789
HAIR-TREATING COMB
Mario G. Usai, East Paterson, N. J.
Application October 4, 1946, Serial No. 701,107
7 Claims. (Cl. 132—12)

1. A comb comprising an elongated back, a row of aligned teeth projecting from the back with their points substantially in the same plane, the comb having a cylindrical bore extending longitudinally thereof and located wholly therewithin and predominantly within the back, the bore intersecting the spaces between the teeth over a minor portion of its cross-sectional area, an elongated cylindrical member positioned coaxially within the bore, the surface of the cylindrical member having a non-color dispensing cylindrical zone of substantial width located parallel to the axis of the cylindrical member and extending throughout substantially the length of the row of teeth, the cylindrical member having in its surface an elongated color dispensing segmental portion of a substantial width and lying parallel to the axis of the cylindrical member, such color dispensing segmental portion extending throughout substantially the length of the row of teeth, and means to rotate the cylindrical member about its axis.

2,461,790
LIPSTICK HOLDER AND LIPSTICK
Albert E. Vaughn, Orange, N. J.
Application January 14, 1946, Serial No. 641,062
8 Claims. (Cl. 132—79.3)



1. A cosmetic dispenser, including: a lipstick receptacle having an ovately-shaped bore throughout its length for receiving a lipstick of similar cross section and having an obliquely beveled end, the vertex of the bevel being arranged

Application April 18, 1945, Serial No. 588,937
10 Claims. (Cl. 185—37)

1. In a starter for miniature airplane engines, a drive shaft having means at one end for align-

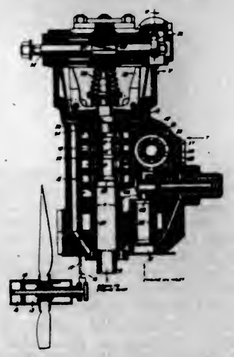
1. An improved mounting means for lighting fixtures of the suspension type, comprising generally rectangular elongated flat strap means having a centrally apertured inversely shaped

1. A shooting gallery comprising a booth having an open side and a door in the wall opposite

throughout its length for receiving a lipstick of similar cross section and having an obliquely beveled end, the vertex of the bevel being arranged

adjacent that portion of the ovate bore of greatest area; and means for feeding said lipstick outwardly beyond said beveled end of the receptacle to adapt it to assume the slope of said beveled end when applied to use.

2,461,791
VARIABLE PITCH AIRSCREW
Robert Henry Warde, Hatfield, England, assignor to The De Havilland Aircraft Company Limited, Hatfield, England
Application August 2, 1943, Serial No. 497,082
In Great Britain May 8, 1942
15 Claims. (Cl. 170—160.2)

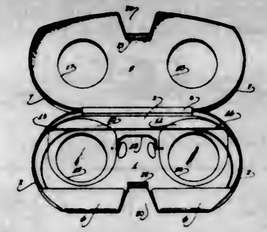


1. In combination with a hydro-controllable variable-pitch propeller having a pitch-changing ram operable through a normal range of pitch-increase and decrease, but within that range being operable under the influence of a low-pressure source only in the pitch-decreasing sense, and by a higher-pressure source only in the pitch-increasing sense, and being further operable through a feathering and unfeathering range of said propeller, beyond such normal range of pitch-change, under the influence of a still higher-pressure source, a low-pressure fluid source and a higher-pressure fluid source appropriate to such operations, respectively, a casing having ports connected, one to one end of the ram, another to the opposite end of the ram, and a third to drain, and for connection to said respective pressure sources, valve means cooperating with said ports, governor means operatively connected to said valve means to effect movement thereof in one direction upon lowered speed to deliver low-pressure fluid to the pitch-decreasing end of the ram while connecting the opposite end of the ram to drain, and conversely, in the opposite direction, to deliver higher-pressure fluid to the pitch-increasing end of the ram for operation of the ram in pitch-increasing sense, while connecting the latter's opposite end to drain, upon increased speed.

2,461,792
EYEGLASS CASE WITH SIGHT OPENINGS
Thomas E. Weaver, Chicago, Ill.
Application November 29, 1946, Serial No. 712,791
5 Claims. (Cl. 88—41)

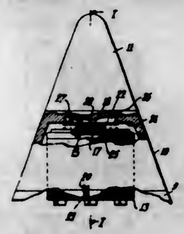
1. An eyeglass case comprising a back portion forming a receptacle for a pair of eyeglasses having a bottom and a cover for closing the recep-

tacle, said cover and receptacle bottom being each of opaque material and having openings afford-

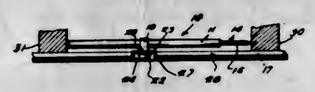


ing a view through the case in the areas occupied by the lenses of said eyeglasses.

2,461,793
RELEASING MECHANISM FOR TIME FUSES
Richard H. Whitehead, New Haven, Conn., assignor, by mesne assignments, to the United States of America
Application July 11, 1939, Serial No. 283,725
3 Claims. (Cl. 102—83)

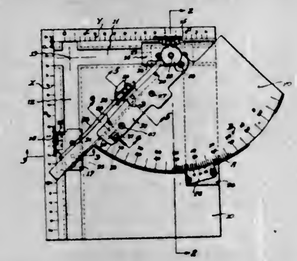


1. In a time fuse comprising a time train within a rotatable nose, a pin extending downwardly from said nose, a timing disc, and a lug extending upwardly from said timing disc and having fingers defining a slot into which said pin extends to lock together said rotatable nose and said timing disc, a releasing mechanism comprising in combination a substantially flat spring element spaced apart from said timing disc, one end of said spring element being secured to said nose, weights attached to the other end of said spring element adjacent to said fingers, a recess in said nose having a downwardly inclined upper surface, and a ball in said recess adapted to be moved in the recess in response to rotational forces to depress said spring element and to thereby disengage said pin from said fingers.

2,461,794
SUPPORT FOR ELECTRICAL FIXTURES
Jay E. Williams, Dubuque, Iowa
Application October 2, 1945, Serial No. 619,793
3 Claims. (Cl. 248—57)

1. A positioning means for fixture supporting bars comprising an elongated tube having stud

engaging and penetrating teeth on one end and a threaded bearing formed in its opposite end, an elongated threaded stud engaging bar adjustably received in the tube and actuated by the threaded bearing in said tube said bar having a stud engaging and penetrating tooth at its outer end, a one-piece combination sleeve and externally threaded hollow hickey adjustably received on said tube, and a locking bolt disposed in said hollow hickey extending through said sleeve for engaging said tube for locking the hickey in the desired adjusted position.

2,461,795
COMPOUND ANGLE COMPUTER
Floyd M. Williamson, Detroit, Mich.
Application February 1, 1945, Serial No. 575,619
8 Claims. (Cl. 33—94)



8. A computing device comprising a rigid base member having formed therein two intersecting ways extending perpendicular to each other, graduations on said base member adjacent said ways, two slides non-rotatably slidable in the respective ways, indicating means on the slides cooperating with the graduations on the base member, a hypotenuse member formed of two parts slidable longitudinally of each other, each of said parts having an end pivotally connected to one of said slides, means for preventing sliding movement of said parts relative to each other, a protractor carried by one of said parts, and indicating means fixed to one of said slides and cooperating with said protractor to indicate the angles between the protractor and the ways.

2,461,796
CHEESE SLICER
Carl L. Wilquin, Chicago, Ill.
Application November 1, 1946, Serial No. 707,170
7 Claims. (Cl. 30—116)

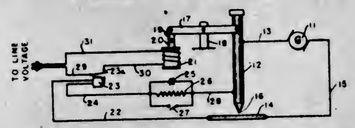
1. In a slicer device, a web handle member having forwardly-extending end flanges, the body of said handle having a curved portion extending between and to the rear of said flanges, a notched adjustment member carried by the rear side of said handle member, and a wire loop extending about and between said flanges and engaged by said notched member.

2,461,797
REACTION PROPELLED DEVICE FOR OPERATION THROUGH WATER
Fritz Zwicky, Pasadena, Calif., assignor to Aerojet Engineering Corporation, Azusa, Calif., a corporation of Delaware
Application October 23, 1944, Serial No. 559,951
12 Claims. (Cl. 60—35.5)

2. A reaction propelled device for propulsion through water comprising an elongated passageway having an inlet opening and an exhaust nozzle through which water flows, a propellant injector opening into said passageway, comprising a plurality of water and propellant injectors and a centrally located surface tension depressant injector having a plurality of outlets and running lengthwise of the passageway.

4. The method of propelling through water a device having a duct open at both ends to permit the passage of water through it from the surrounding medium, which comprises admitting water from the surrounding medium into the duct at one end and introducing within the duct a water reactive propellant to react with the water at a region within said duct, injecting into the water at the downstream side of the reaction region a surface tension depressor and discharging water and gases at higher velocity through said exhaust opening.

2,461,798
AUTOMATIC ARC STARTER
Nelson E. Anderson, Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1947, Serial No. 766,603
8 Claims. (Cl. 314—66)



1. Arc welding apparatus comprising a welding electrode, a movable electrode holder having a tendency to move toward a workpiece until the electrode touches the same, energizable arc-starting means for moving said holder away from the workpiece and supporting the holder in welding position, a welding circuit connected to the electrode and the workpiece, a source of energy for said arc-starting means independent of the electrical condition of the welding circuit, and means responsive to a change in the voltage between the electrode and the workpiece from the open circuit value to a value less than the open circuit value for connecting said source to said arc-starting means.

2,461,799
METHOD OF DETECTING AND MEASURING RADIANT ENERGY FOR LOCATING SUBTERRANEAN PETROLEUM DEPOSITS
Walter Armstrong, Washington, D. C.
Application August 3, 1944, Serial No. 547,940
6 Claims. (Cl. 250—83.6)

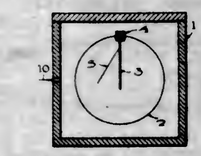
1. A method of detecting radiant energy for the presence of subterranean petroleum deposits that

Application November 29, 1946, Serial No. 712,791
5 Claims. (Cl. 88—41)

1. An eyeglass case comprising a back portion forming a receptacle for a pair of eyeglasses having a bottom and a cover for closing the recep-

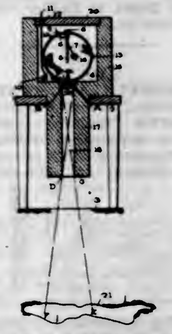
1. A positioning means for fixture supporting bars comprising an elongated tube having stud

comprises surrounding an ionization chamber with a shield against earthly ionizing radiation, charging negatively electrostatically the inner surface of said chamber, subjecting said shielded ionization chamber to the radiant energy emanating from subterranean petroleum deposits, deter-



mining the rate of change of charge on the inner surface of the ionization chamber and comparing that rate of change of charge with the rate of change of a negative electrostatic charge on the inner surface of the chamber when not subjected to the radiant energy emanating from subterranean petroleum deposits.

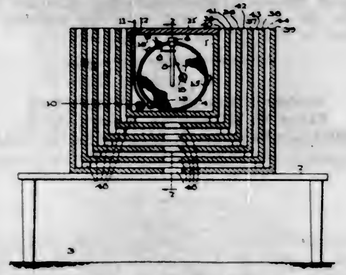
2,461,800
APPARATUS FOR DETECTING AND MEASURING RADIANT ENERGY FOR LOCATING SUBTERRANEAN PETROLEUM DEPOSITS
Walter Armstrong, Washington, D. C.
Application March 6, 1945, Serial No. 581,280
4 Claims. (Cl. 250—83.6)



1. Apparatus for detecting radiant energy emanating from subterranean petroleum deposits encountered in a geophysical exploration, comprising an ionization chamber, shielding substantially impervious to earthly ionizing radiation incident upon said shielding surrounding the ionization chamber, and means for measuring the change in the ionization chamber charge during the operation of the apparatus.

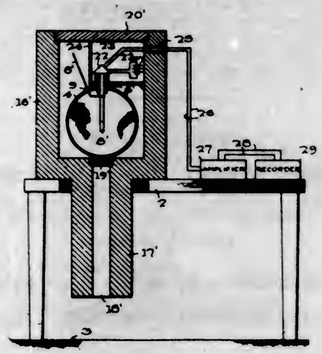
2,461,801
APPARATUS AND METHOD FOR DETECTING AND MEASURING RADIANT ENERGY FOR LOCATING SUBTERRANEAN PETROLEUM DEPOSITS
Walter Armstrong, Washington, D. C.
Original application March 6, 1945, Serial No. 581,280. Divided and this application May 26, 1947, Serial No. 750,602
9 Claims. (Cl. 250—83.6)

1. Apparatus for detecting radiant energy emanating from subterranean petroleum deposits encountered in geophysical explorations for locating subterranean petroleum deposits, comprising an ionization chamber; an inclosing shield substantially impervious to earthly ionizing radiation incident upon said inclosing shield surrounding said chamber; two types of additional shields in alternation around the sides and bottom of said chamber, one of said types of shields being a gaseous shield for the disintegration of a portion of the radiant energy emanating from



subterranean deposits of petroleum incident upon said shield and the other of said types of shields being a metallic shield for shielding the ionization chamber against earthly ionizing radiation and the radiant energy emanating from subterranean petroleum deposits except for a portion of said metallic shield between the ionization chamber and the earth's surface; and means for measuring the change in the ionization chamber charge during the operation of the apparatus.

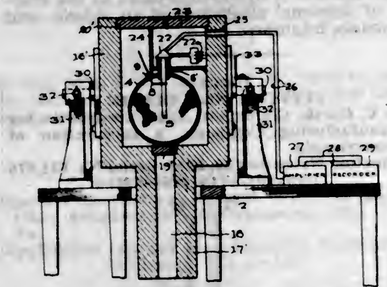
2,461,802
APPARATUS AND METHOD FOR DETECTING AND MEASURING RADIANT ENERGY FOR LOCATING SUBTERRANEAN PETROLEUM DEPOSITS
Walter Armstrong, Washington, D. C.
Original application March 6, 1945, Serial No. 581,280. Divided and this application September 20, 1945, Serial No. 617,588
6 Claims. (Cl. 250—83.6)



1. Apparatus for detecting radiant energy emanating from subterranean petroleum deposits encountered in geophysical explorations for locating subterranean petroleum deposits, comprising an ionization chamber, shielding surrounding the ionization chamber for shielding said chamber against earthly radiant energy except for a portion of said shielding between the ionization

chamber and the earth's surface with the excepted portion of the surrounding shielding substantially impervious to earthly ionizing radiation incident upon said portion, and electronic means for measuring the change in the ionization chamber charge during the operation of the apparatus.

2,461,803
APPARATUS AND METHOD FOR DETECTING AND MEASURING RADIANT ENERGY FOR LOCATING SUBTERRANEAN PETROLEUM DEPOSITS
Walter Armstrong, Washington, D. C.
Original application March 6, 1945, Serial No. 581,280. Divided and this application September 20, 1945, Serial No. 617,589
6 Claims. (Cl. 250—83.6)

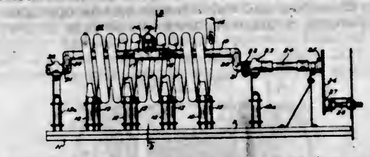


1. A method for detecting radiant energy emanating from subterranean petroleum deposits that comprises surrounding an ionization chamber with shielding against earthly radiant energy except for a portion of said shielding between the chamber and the earth's surface which excepted portion of the surrounding shielding shields the ionization chamber from earthly ionizing radiation, moving said ionization chamber and surrounding shielding to direct said excepted portion of the shielding at any desired angle in relation to the earth's surface, charging negatively electrostatically the inner surface of said chamber, subjecting said shielded chamber to the radiant energy emanating from subterranean petroleum deposits, determining electronically the rate of dissipation of the charge on the inner surface of said chamber, comparing that rate of dissipation with the rate of dissipation of a similar negative electrostatic charge on the inner surface of said chamber when shielded against radiant energy emanating from subterranean petroleum deposits, the presence of petroleum deposit emanations encountered from a limited area of the earth's substrata being detected thereby.

2,461,804
VARIABLE INDUCTANCE DEVICE
Wilfrid L. Atwood, Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application September 18, 1945, Serial No. 617,029
3 Claims. (Cl. 171—242)

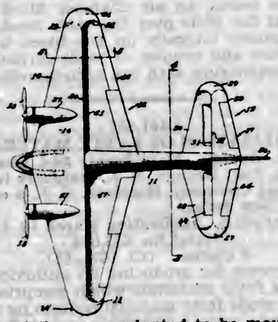
1. A variable inductance device comprising a conductor wound in the form of a helix, a second conductor, means adjacent the ends of said coiled conductor for pivotally supporting said second conductor for rotation about the axis of said helix, said second conductor including arms extending from said axis toward said helix and a straight section extending parallel to the axis,

and adjacent the turns, of said helix, a bearing member freely rotatable and slidably supported on said straight section and having a circular array of resilient contact members bearing upon and surrounding said straight section to provide circumferentially thereof a low-resistance electrical connection, means forming a slidable elec-



trical connection between said bearing member and a turn of said helix, and rollers supported from said bearing member and disposed on opposite sides of said electrical connection for guiding and propelling said bearing member along said straight section upon rotation of said second conductor.

2,461,805
AIRPLANE WING ARRANGEMENT
Parrish Barker, Temple City, Calif.
Application October 6, 1944, Serial No. 557,415
7 Claims. (Cl. 244—45)

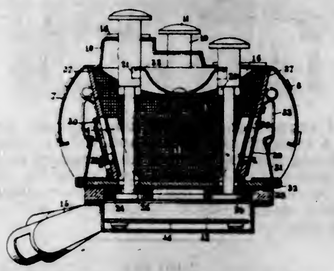


1. In airfoil means adapted to be mounted on and extend laterally of the fuselage of an airplane: a continuous dual wing at each side of the fuselage, each wing comprising an upper airfoil section having a rearwardly and outwardly extending leading edge and a straight trailing edge; a lower airfoil section having its leading edge substantially under the trailing edge of the upper airfoil section and its trailing edge extending outwardly and forwardly from the fuselage; said upper airfoil section having a tip portion extending downwardly and rearwardly to the tip portion of the lower airfoil section and said lower airfoil section having a tip portion extending upwardly and forwardly to the tip portion of the upper airfoil section, said tip portions being joined at their edges forming an air pocket therebetween.

2,461,806
CHROMATIC HARMONICON
André Borel, Paris, France
Application February 21, 1946, Serial No. 648,226
In France December 17, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 17, 1963
2 Claims. (Cl. 84—377)

1. A chromatic mouth organ of the reed type comprising a substantially trapezoidal elongated

block provided with three series of parallel perforations and with a corresponding number of grooves along one of the sides and the lower part of said block and communicating with the corresponding perforations, valves including stems guided in said perforations, control keys for said stems on the ends thereof projecting in a given direction and valve heads at the opposite ends of stems, a plate secured to the face of the



block corresponding to the location of the valve heads and provided with perforations registering with the block perforations, resilient cushions inserted between the outside of the plate and the valve heads, an air chamber fitted on the outside of the plate over the valve heads, sound plates applied laterally on the block to either side thereof and couples of reeds carried thereby and registering with the corresponding slots.

2,461,807
STABILIZATION OF FATTY MATERIALS
Loran O. Burton, Maplewood, and Charles E. Dryden, East Orange, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 16, 1946, Serial No. 655,008
8 Claims. (Cl. 167—81)

1. A process for producing an antioxidant for stabilizing fatty materials which comprises contacting a crude fatty material containing natural antioxidants with a solvent selected from the group consisting of methanol and ethanol, separating a solution containing a highly active antioxidant extract from the remainder of the fatty material, recovering the antioxidant extract from the solvent solution thereof and contacting said extract with ammonia to increase its antioxidant activity.

2,461,808
PRODUCTION OF ANTIOXIDANTS FOR FATTY MATERIALS
Loran O. Burton, Maplewood, and Charles E. Dryden, East Orange, N. J., assignors to Nopco Chemical Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application March 16, 1946, Serial No. 655,009
8 Claims. (Cl. 167—81)

1. A process for producing an antioxidant for stabilizing fatty materials which comprises contacting a crude fatty material containing natural antioxidants with a solvent selected from the group consisting of isopropanol, n-propanol, acetone, diacetone alcohol, ethyl acetate, methyl acetate and methyl ethyl ketone, said solvents containing at least 10% of water, separating a solution containing a highly active antioxidant extract from the remainder of the fatty material, recovering the antioxidant extract from the solvent solution thereof and contacting said extract with ammonia to increase its antioxidant activity.

2,461,809
ZINC ELECTROPLATING
Allan E. Chester, Highland Park, and Frederick F. Reininger, Waukegan, Ill., assignors to Poor & Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application April 24, 1944, Serial No. 532,533
14 Claims. (Cl. 204—55)

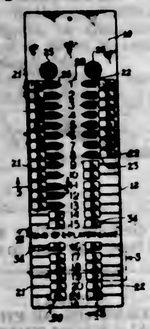
11. The method of depositing zinc which comprises electrodepositing zinc from an aqueous alkaline cyanide-zinc plating bath containing a sufficient amount of dissolved product of the reaction of piperonyl aldehyde and an aldonic acid to enhance brightness.

2,461,810
SUPPORTING COLUMN
John C. Curtis, Claremont, N. H., assignor to Joy Manufacturing Company, a corporation of Pennsylvania
Application November 30, 1945, Serial No. 631,876
11 Claims. (Cl. 248—354)

1. In a supporting column, cooperating column elements having relative axial movement when subjected to the action of fluid under pressure, and means associated with one of said elements for imparting impact blows thereto firmly to set the column in place.

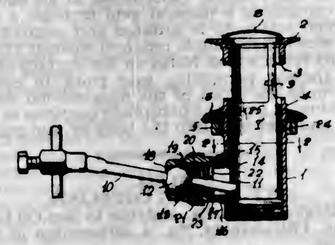
2,461,811
SCOREBOARD
Paul Cusano, Union City, N. J.
Application October 17, 1947, Serial No. 780,441
2 Claims. (Cl. 235—122)

1. A score board, substantially U-shaped in transverse section, and having a front plate and rearwardly extending flanges at the longitudinal edges of the front plate, said front plate having centrally disposed thereon a vertical series of indicia to indicate the score, said front plate having a vertical series of slots extending laterally and outwardly from each side of said central series of indicia, each of said slots extending through the side edge and flange at the side portion of the plate in which the slot is formed, a slide member slidably mounted in each slot and having a web extending through the slot and a flange on the web in back of the slot, and means for closing the outer ends of said slots



at each side of the center of the plate to hold the slide members in the slots after they have been positioned therein.

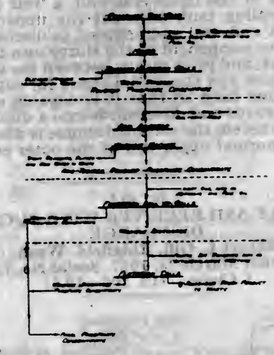
2,461,812
POP-UP WASTE VALVE
Marvin F. De Grave and Joseph Caliadine, Salem, Ohio, assignors to Eljer Company, Ford City, Pa.
Application January 28, 1946, Serial No. 643,898
13 Claims. (Cl. 4—193)



1. In a waste valve mechanism, a tubular valve casing, a valve stem working in the casing, said casing having an exteriorly screw threaded portion and provided with an opening located between the screw threaded portion and the outlet of the casing, said opening having an outwardly directed circular flange, a retaining nut for engaging the screw threaded portion of the casing and provided in its bore with a notch opening through opposite faces of the nut and through which notch the flange may pass when the nut is being assembled with the casing preparatory to engagement with the threaded portion of the casing, and valve stem operating means carried by the flange and having a lever extending through the opening in the casing and into operative association with the valve stem.

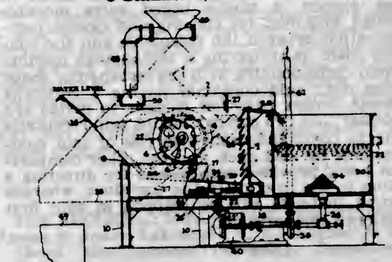
2,461,813
CONCENTRATION OF PHOSPHATE MINERALS
James B. Duke, Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
Application November 14, 1945, Serial No. 628,565
7 Claims. (Cl. 209—166)

1. A method of concentrating phosphate minerals from their ores, which comprises subjecting the ore in an aqueous pulp to a concentrating operation with negative-ion reagents to separate a rougher floating concentrate of the phosphate values mixed with siliceous gangue, conditioning an aqueous pulp of that rougher phosphate concentrate with a mineral acid and then dewatering said pulp thereby eliminating a large part of said mineral acid and also the agents used in the production of that rougher phosphate concentrate, adding an inert oil to an aqueous pulp of that acid-treated rougher phosphate concentrate and subjecting said pulp to a concentrating operation



resulting in the removal and saving of a high-grade floating concentrate of a part of the phosphate values, subjecting the residue of that operation in an aqueous pulp to a concentrating operation with added positive-ion reagents to remove and discard a floated material largely composed of siliceous gangue, and combining the residue from that operation with the previously mentioned high-grade phosphate concentrate, thereby producing a final high-grade phosphate concentrate containing a high proportion of the phosphate in the ore.

2,461,814
SLUDGE HANDLING AND DISPOSAL SYSTEM
Ernest F. Fisher, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application January 22, 1945, Serial No. 573,925
3 Claims. (Cl. 210—52)

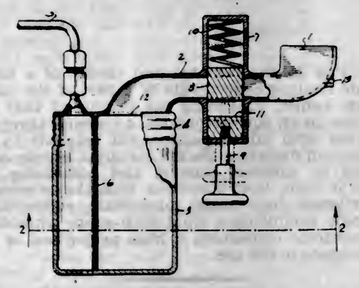


1. A sludge handling and disposal system comprising a supporting structure, an open top clear water tank mounted fixedly on the supporting structure and provided with drain means, means over the supporting structure and at one side of the clear water tank for discharging slurry downwards, a separate settling tank at said one side

solution containing a highly active antioxidant extract from the remainder of the fatty material.

of the clear water tank, positioned normally under the discharging means so as to receive slurry therefrom, embodying an inner end wall adjacent the clear water tank, an outer end wall, and a bottom between the two end walls, and having the bottom and the outer end wall thereof inclined upwards and outwards so that the sludge component of the slurry in the tank gravitates towards the inner end wall, sludge baffling means disposed in the settling tank inwards of the inner end wall, a drain-equipped sump disposed in the settling tank between the baffling means and the lower end of the inner end wall, a weir disposed in the settling tank adjacent the upper end of said inner end wall and adapted to discharge the clear water component of the slurry into the clear water tank, and pivot means between the supporting structure and the settling tank for supporting said settling tank so that it is capable of being tilted outwards and downwards into a discharging position wherein the collected sludge is discharged over the normal upper end of the outer end wall.

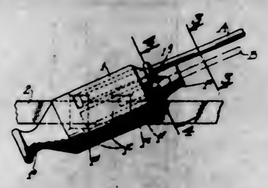
2,461,815
VEHICLE ASH RECEIVER WITH SUCTION DISCHARGE
Robert L. Gill, Ridgfield, Wash.
Application March 28, 1947, Serial No. 737,781
1 Claim.. (Cl. 206—19.5)



A receiver for burning material comprising a container mounted to one side of a dashboard of a vehicle, a receptacle disposed on the opposite side of said dashboard, said container and receptacle adapted for open communication with each other by means of a duct interconnecting them, said duct being of rectangular shape in cross section, a spring urged valve movable through said duct for opening and closing communication between the receptacle and the container, said valve having a rectangular opening therein corresponding with the rectangular shape of the duct, said container having a vertically disposed screen partition therein to divide the container into two compartments, said receptacle being in communication with one of said compartments by said duct, and the other compartment being provided with means for directing a suction to the interior of the container, whereby burning material will be trapped in said first mentioned compartment.

2,461,816
KNITTING NEEDLE HOLDER
Anna A. Y. Giovanini, Los Angeles, Calif.
Application May 22, 1946, Serial No. 671,561
9 Claims. (Cl. 66—117)

1. In a knitting needle holder, a belt, and a cylindrical holding element having at its back side eye portions through which said belt may be

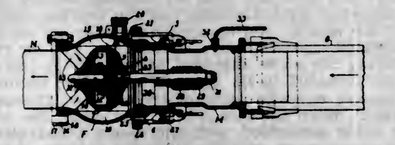


threaded, said element having a relatively deep knitting-needle receiving hole in one end.

2,461,817
CONCENTRATION OF PHOSPHATE MINERALS FROM THEIR ORES
Ernest W. Greene and James B. Duke, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application December 8, 1945, Serial No. 632,862
2 Claims. (Cl. 209—166)

1. The method of substantially eliminating from a rougher concentrate of a phosphate ore the effect of the negative-ion agents used in the production of said concentrate, which comprises passing said rougher concentrate in an aqueous pulp containing a mineral acid through a tank in which said pulp is agitated and aerated and from which said pulp is removed without removing any froth which forms on the surface of the pulp thereby permitting said froth to remain there until the effect of the negative-ion agents is eliminated from the phosphate particles in said froth and they sink into the body of said pulp.

2,461,818
SELF-SEALING COUPLING
Fred Hague, Devon, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application August 7, 1946, Serial No. 688,819
5 Claims. (Cl. 284—19)

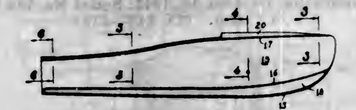


1. A hose coupling including an inlet section and an outlet section, each of said sections having a valve seat and an axially movable valve member therein, each of said valve members comprising a head and stem, a spider bearing transversely positioned in each section, the stems of said valves slidably supported by the hubs of said spider bearings, thereby preserving the valve alignment, springs disposed about said valve stems in abutting contact with the spider bearings to maintain said valves normally seated until fluid pressure is applied to the valve member in the inlet section, and means for detachably coupling said sections together and positioning said valve members in abutting relation.

1. A method of concentrating phosphate minerals from their ores, which comprises subject-

wards, a separate settling tank at said one side

2,461,819
BOAT HULL
Marcus A. Hall, Bethany, Conn., assignor, by mesne assignments, to Churchward & Company, Incorporated, West Haven, Conn., a corporation of Connecticut
Application September 14, 1944, Serial No. 554,025
7 Claims. (Cl. 9—6)



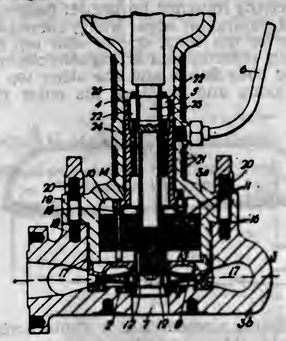
1. In a boat hull, a rail-like sheer member which is substantially U-shaped in cross section, with the intermediate part of the U disposed exteriorly of the hull and its flanges extending inwardly, a deck plate applied exteriorly to the upper part of the U, and a side plate welded exteriorly to the lower part of the U, the lower flange of the U having a depending lip, a part of said side plate being welded to said lip so that in that region of the sheer member the latter has a laterally projecting position, another part of the side plate being welded directly to the body of the sheer member so that the side plate is substantially flush with the sheer member.

2,461,820
CONVERSION OF ETHYLENE
Stanford J. Hetzel, Cheltenham, and Robert M. Kennedy, Drexel Hill, Pa., assignors to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application December 28, 1945, Serial No. 637,787
5 Claims. (Cl. 260—683.15)

1. A process for the conversion of a mixture of ethylene and a substantial proportion of ethane to higher boiling materials by subjecting such mixture to an elevated temperature in the presence of a catalyst consisting by weight of not less than 70% silica gel, not more than 30% of a metal selected from the group consisting of nickel and cobalt and a substantially smaller but appreciable quantity of alumina.

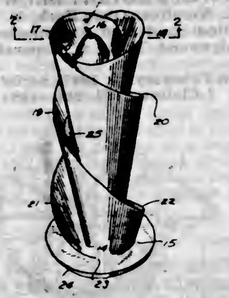
2,461,821
CENTRIFUGAL PUMP
Giles Philip Eliot Howard and Alexander Ivanoff, Luton, England
Application August 2, 1946, Serial No. 687,823
In Great Britain July 11, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires July 11, 1965
2 Claims. (Cl. 103—103)

1. A centrifugal pump comprising a pump impeller, a pump shaft on which said pump impeller is mounted, said pump shaft extending rearwardly from said pump impeller, a pump casing for said pump impeller having a fluid inlet and outlet, said pump casing being provided with a back cavity at the rear of said pump impeller, through which back cavity said shaft passes in contact with the fluid in said back cavity, said back cavity being in free communication with the fluid inlet aforesaid, means for reducing the rate of heat flow through said back cavity, comprising a plurality of spaced stationary baffles located in said back cavity in planes transverse to the axis of said shaft, each of said baffles having a hole through it, through which said shaft passes with a relatively small clearance between said shaft and said baffles, and stationary means surrounding said shaft and sealing the spaces between said baffles at the region of the edges of their holes, said stationary means



defining a fluid cut-off between said baffles and said shaft, and preventing the generation of motion in the fluid between said baffles by the rotation of said shaft.

2,461,822
CANDLE
Mary C. Hussey, Mount Vernon, N. Y.
Application October 18, 1945, Serial No. 623,047
3 Claims. (Cl. 67—22)



3. A decorative wax candle comprising a body, a wick in the body, and helically disposed convolutions enveloping the body and forming deep downwardly inclined channels between the convolutions and the body, the upper edges of the convolutions extending upwardly around the top of the body and forming a pool for collecting the wax and directing it into the downwardly inclined channels.

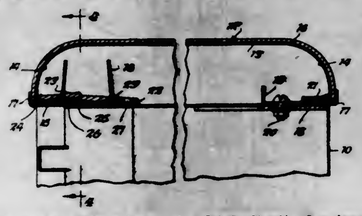
2,461,823
TOP SECURING MEANS FOR FURNITURE
James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application August 29, 1946, Serial No. 693,745
3 Claims. (Cl. 311—108)

1. An article of furniture comprising a body, a top resting upon the upper face of said body, said body having on its top face a flange extending along one edge thereof with its outer edge spaced from said top face to form a channel open-

1. In a knitting needle holder, a belt, and a cylindrical holding element having at its back

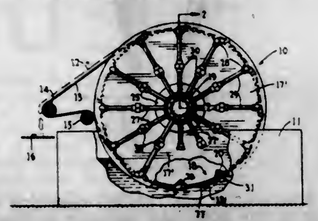
coupling said sections together and positioning said valve members in abutting relation.

ing horizontally and outwardly towards said one edge, and also having on its top face an upstanding element along and spaced inwardly from that edge of the top which is opposite said one edge, said top having inturned horizontal flanges along its opposite marginal edges which correspond to said edges of the body, one of said top flanges horizontally entering and fitting said channel beneath said body flange and the other top flange disposed along and abutting the outer face of



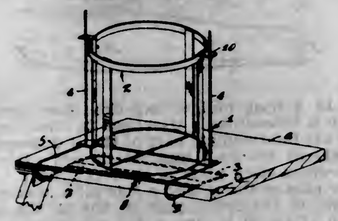
said upstanding element which limits horizontal movement of said top in a direction to remove said one top flange from said channel, a wedge key slidingly coupled to said body and passing over a bearing on the upper face of said other top flange to confine it against the top of said body, said key having a notch therein, and a spring tongue projecting from said body into said notch in the direction in which the key moves into flange-engaging position, for preventing retraction of said key.

2,461,824
CONTINUOUS ROTARY DRUM FILTER
Thomas R. Komline, Glen Rock, N. J., assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J., a corporation of New Jersey
Application February 10, 1947, Serial No. 727,589
4 Claims. (Cl. 210—199)



4. In a drum for a continuous rotary vacuum filter of the type wherewith the permeable medium is trained about the exterior surface of the drum, in combination, a pair of spaced drum heads and a barrel portion situated between the drum heads in axial alignment therewith, said barrel portion being an imperforate, substantially cylindrical shell, the external surface of which is divided by spaced, longitudinally arranged compartment sealing strips to provide a series of compartmental divisions, each compartmental division of said shell providing a convex peripheral portion for supporting the permeable medium having a drainage channel disposed longitudinally of the drum axis adjacent said convex portion over which the medium bridges whereby effluent passing through a filter medium may travel circumferentially of the drum under the medium resting on the drum surface to the drainage channel and thence axially of the drum in the drainage channel, said drum heads being each provided with axial rotation supporting trunnions and one of said drum heads being provided with a series of effluent apertures in registration with said drainage channels.

2,461,825
BUCKET HOLDER
Ted Kowalski, Toledo, Ohio
Application October 18, 1947, Serial No. 780,731
1 Claim. (Cl. 248—311)



A device of the class described comprising a bracket for attaching to a stepladder step or the like, and a bucket-holder carried by said bracket, said bracket comprising a single piece of stiff wire forming spaced parallel uprights, a horizontally disposed board receiving and clamping loop at the lower end of each upright and a cross connecting portion between the lower members of the loops at the free ends thereof, and a separate cross brace rigidly connecting the lower members of said loops in spaced relation to said first cross portion, and said bucket holder having an open top and being of cylindrical form and having ears projecting radially from opposite sides thereof and in engagement with respective uprights to retain the bucket-holder to the bracket.

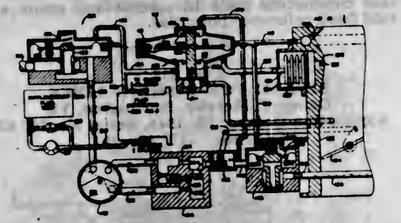
2,461,826
GOLF SWING TRAINER
Louis Martin Krauffer, Glencoe, Ill.
Application October 9, 1946, Serial No. 702,153
4 Claims. (Cl. 273—35)

1. A golf swing trainer comprising a captive ball attached to a suitable cord; means for releasably holding said ball on the top of a tee; a mouth grip adapted to be held between the teeth of a player; and means for attaching said cord to said mouth grip.

2,461,827
COMBINATION PUMP AND VALVE MECHANISM
Leighton Lee, II, Rocky Hill, Conn., assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn., a corporation of New Jersey
Original application March 28, 1945, Serial No. 584,267. Divided and this application October 11, 1946, Serial No. 702,722
6 Claims. (Cl. 103—11)

1. Fluid flow control apparatus comprising a pump having a rotor, a valve, a stem for said

valve aligned with said rotor, a port cooperating with said valve so as to have its area varied by reciprocation of said valve, means connecting said stem to said rotor for concurrent rotation



therewith but permitting reciprocation of said stem and valve relative to said rotor, means for conveying fluid discharged by said pump to said valve, and means for reciprocating said valve to vary the flow of fluid therethrough.

2,461,828
EXTENSION JOINT
George Freeman Lonsaline, Olney, Ill., assignor of one-half to Lawrence E. Ostrom, Olney, Ill.
Application May 13, 1946, Serial No. 669,223
1 Claim. (Cl. 285—2)

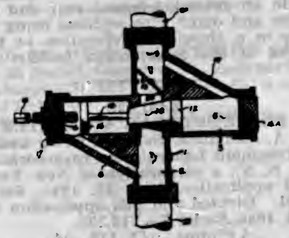
An extension joint of the class described comprising a primary section having an elongated smooth central straight bore extending from end to end, said primary section having externally threaded opposite ends enlarged relative to the central bore, a pipe section slidably fitting in one end of said primary section, a second pipe section slidably fitting in the opposite end of said primary section, a packing ring carried within each externally threaded end and sealing the respective pipe sections in the ends of the primary section, a coupling threaded upon each externally threaded end of the primary section, and a gripping thimble fitting in each coupling and engaging the packing rings for compressing the packing rings and firmly gripping the pipe sections to lock the pipe sections against movement relative to the primary section.

2,461,829
GLUTEN CONTAINING COMPOSITIONS
Leslie Lowen, Wyandotte, Mich., assignor, by mesne assignments, of 9448/10570 to Chemprotin Products, Trenton, Mich., a limited partnership of Michigan, 561/10570 to Lamio Kermendt, New York, N. Y., and 561/10570 to B. Clark Boschuber, Grosse Ile, Mich.
No Drawing. Application November 9, 1944, Serial No. 562,747
4 Claims. (Cl. 106—136)

1. A process for making gluten plastics and comprising heating to 50° C. and mixing 100 parts by weight of dry undenatured gluten, 200 parts by weight glycerine, 5 parts by weight conc. hydrochloric acid and 1 part by weight ortho-cresol for one hour to form an initial mixture; mixing said mixture with 300 parts by weight of wet gluten containing 33% dry gluten to form a homogeneous mass; and aging said mass at a temperature of 50° C.

4. Medicinal capsule material consisting essentially of 50 parts by weight hydrolized gluten, 10 parts by weight mineral oil; 50 parts by weight gelatine; and glycerine and water.

2,461,830
ANTISIPHON VALVE
Thomas C. Mahon, Burnaby, British Columbia, Canada
Application February 28, 1945, Serial No. 580,123
2 Claims. (Cl. 137—153)



2. An anti-syphon valve comprising a body having a vertical and a horizontal bore and being adapted for connection in a riser of a water supply line, a plunger slidably mounted in the horizontal bore adapted to move to close off the water flow between the upper and lower portion of said bore, a passageway communicating between the upper part of the vertical bore and one end of the valve and a passageway communicating between the lower part of the vertical bore and the opposite end of the valve, and means interposed between the plunger and the upper part of the vertical bore for automatically restricting the effective cross sectional area of the upper part of the bore which lies between the entrance to the first named passageway and the plunger as a drop in pressure occurs in the lower part of said vertical bore and for directing a down flow through the first named passageway to move the plunger to close the valve.

2,461,831
PRINT-HANDLING DEVICE
Louis Phillip Martinek, Cleveland, Ohio
Application August 30, 1945, Serial No. 613,564
4 Claims. (Cl. 95—100)

1. A print-handling device comprising a wire formation consisting of two wires, each of which is bent to form a forward symmetrical paddle part of spaced wire sections, said wire sections of one wire lying exteriorly of and

resting on the drum surface to the drainage channel and thence axially of the drum in the drainage channel, said drum heads being each provided

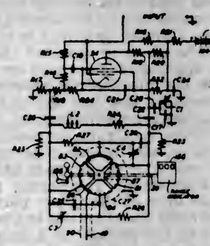
1. Fluid flow control apparatus comprising a pump having a rotor, a valve, a stem for said

for one hour to form an initial mixture; mixing

sections of one wire lying exteriorly of and

spaced from the wire sections of the other wire, all of said wire sections forming a skeletonized paddle, the inner wire sections being continued rearwardly to form a handle part and then bent downwardly and upwardly to form a trigger-like finger grip and thence continued forwardly in substantially parallel relation with and slightly above said handle part to form a spring-like finger, which finger terminates in a print-gripping tong adjacent the rear end of the skeletonized paddle, the ends of said inner wire sections being secured together in said tong area, the outer wire sections also being continued rearwardly to form a handle part adjacent the handle part of the inner wire sections, the handle part of the outer wire sections terminating in an extended looped rear end thereof, the inner and outer wire sections being secured together in a chisel-like formation at the forward end of the skeletonized paddle.

2,461,832
PHASE SHIFTING APPARATUS
Larned A. Meacham, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application June 22, 1943, Serial No. 491,791. Divided and this application December 14, 1946, Serial No. 716,293
5 Claims. (Cl. 178—44)



5. In combination, a space current device having an anode, a cathode and a control electrode, a first circuit connecting said anode and said cathode comprising in series a source of space current, a first resistance means and a second resistance means, a second circuit connecting said control electrode and said cathode comprising said first resistance means, means for impressing an oscillatory wave upon said second circuit, a plurality of current paths connected in parallel between two terminals, each path comprising two impedances in series, means for deriving from said first circuit two alternating potentials which are equal in magnitude and opposite in phase with respect to a fixed reference potential, means for impressing said derived potentials upon said terminals, respectively, of said parallel paths, a phase shifting device comprising four sector conducting plates substantially in one plane, an opposed conducting plate substantially in a second plane parallel to the first plane and a dielectric rotor substantially in a third plane parallel to and between the first and second planes, means for rotating said rotor in said third plane about an axis substantially perpendicular to said planes, means for connecting said two terminals to two opposed sector plates, respectively, of said phase shifting device, means for connecting the junction of the two impedances of one of said paths to a third of said sector plates, means for connecting the junction of the two impedances of another of said paths to the fourth of said sector plates, and means for utilizing the difference of the potential of said conducting plate in said second plane and said fixed reference potential.

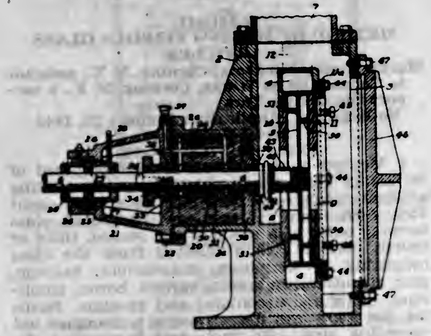
2,461,833
SINKER FOR FISHING LINES
Dewey P. Mercier, Burlington, Vt.
Application October 25, 1946, Serial No. 705,658
4 Claims. (Cl. 43—28)

1. A fishing line sinker comprising a pair of halved body sections, each of said sections being provided with a semi-circular longitudinal extending groove and a semi-circular transverse groove extending at an approximate right angle with respect to the longitudinal groove and intersecting the latter, a semi-circular projection extending from each end of each of said sections, said pair of sections being arranged with respect to each other so that the longitudinal and transverse grooves and the projections of the one section are complemental to the longitudinal and transverse grooves and the projections of the other section to form a barrel having a coaxal aperture and a transverse aperture intersecting said coaxal aperture at an approximate right angle to the axis of the barrel with coaxal projections extending from the ends of said barrel, a flexible and conical end member designed to fit on each of said coaxal projections and provided with a longitudinal aperture in coaxal alignment with the coaxal aperture of said barrel, and radially disposed and spaced studs mounted in said barrel and positioned in its coaxal aperture at right angles to said transverse aperture, said transverse aperture in said barrel having enlargements surrounding said studs and being provided with round recesses to receive said studs.

2,461,834
COAXIAL CONDUCTOR
Louis H. Morin, Bronx, N. Y.
Application February 26, 1944, Serial No. 524,122
1 Claim. (Cl. 174—29)

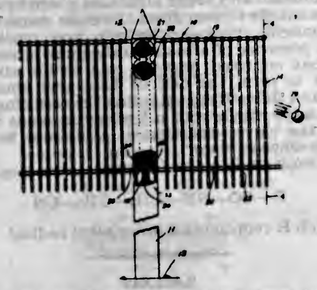
In coaxial cable, an electric conductor, a helix member of insulating material arranged upon and extending longitudinally of said conductor, said member having a ribbon portion in contact with the conductor and an annular flange spaced from said portion and forming a wide helical surface portion substantially paralleling the longitudinal axis of the conductor, and a web extending radially and perpendicularly to said ribbon portion and integral with said ribbon portion and flange, the width of the ribbon portion being greater than the thickness of the web but less than the width of the flange.

2,461,835
DOUBLE-ACTING CENTRIFUGAL PUMP
Daniel Murphy, New Castle, Pa.
Application April 18, 1944, Serial No. 531,546
7 Claims. (Cl. 103—104)



4. A double-acting rotary pump including an impeller chamber having an inlet and an outlet, an impeller in said chamber, said impeller having vanes on each of its opposite sides, an impeller shaft extending into said chamber and having an end rotatably supporting said impeller, an inlet chest in said pump extending on opposite sides of said impeller chamber, each of the opposite side walls of said impeller chamber comprising a wearing plate cooperating with the vanes to form the outer surfaces of the fluid impelling passages between the vanes on the corresponding side of said impeller, said inlet to the impeller chamber comprising an opening in each of said wearing plates establishing communication between said inlet chest and the central region of said impeller chamber, and means for securing said impeller shaft in fixed axial position while providing for intentional axial adjustment of the shaft.

2,461,836
FOUL BALL INDICATOR
Allen K. Nelson, Washington, D. C.
Application October 18, 1946, Serial No. 704,221
2 Claims. (Cl. 177—384)

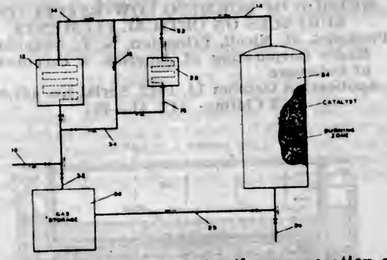


1. A fair and foul ball indicator for a baseball field, comprising a post adapted to be positioned to extend vertically from the outfield terminus of a foul line, a pair of elongated stationary contacts carried by each post and extending laterally therefrom in opposite directions, a pair of elongated supports carried by each post and extending laterally therefrom in opposite directions, said supports being substantially parallel to said contacts and being vertically spaced and forwardly offset therefrom, one support and contact extending over fair territory and one support and contact extending over foul territory, at least one depending movable contact swingably carried by each support, said movable contacts normally depending vertically in forwardly-spaced relation to their related stationary contacts, said movable contacts being each adapted upon being struck by a batted ball to be moved into contact with its related stationary contact, and separate signal means operatively associated with each pair of movable and stationary contacts, one of said signal means being actuated upon contact of a movable contact with a stationary contact.

2,461,837
METHOD OF HANDLING STERILE LIQUIDS
Maurice M. Nesset, Glenview, Ill., assignor to Baxter Laboratories, Inc., Glenview, Ill., a corporation of Delaware
Application September 22, 1943, Serial No. 503,405
5 Claims. (Cl. 128—272)

1. A method of handling blood, comprising heating a water solution of an anticoagulant within a container having an opening to sterilize the solution and cause water vapor to be withdrawn through the opening, sealing said opening, evacuating said container, and introducing blood into the evacuated container while the same is sealed against the ingress of air.

2,461,838
SOLID BED CATALYST REGENERATION PROCESS
Frederick C. Neuhart, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 21, 1943, Serial No. 491,709
2 Claims. (Cl. 252—242)

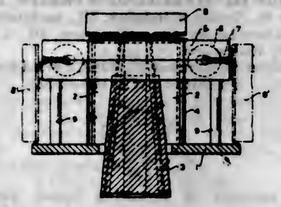


1. An improved process for the regeneration of a mass of solid catalytic material deactivated by deposition thereon of carbonaceous material during a hydrocarbon conversion, which comprises removing a major portion of said carbonaceous material by combustion in an active regeneration step at a temperature of 800° F. in the presence of an inert gas containing about 2 per cent oxygen during which a relatively narrow burning zone of active combustion progressively moves from one end of said catalyst mass to the other, immediately thereafter raising the temperature of said catalyst mass from said 800° F. to about 1100° F. and continuing the passage of said oxygen-con-

two terminals to two opposed sector plates, respectively, of said phase shifting device, means for connecting the junction of the two impedances of one of said paths to a third of said flange, the width of the ribbon portion being greater than the thickness of the web but less than the width of the flange.

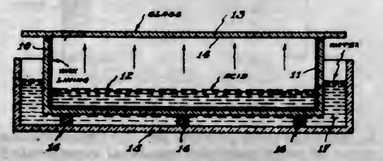
taining gas through said catalyst mass in a conditioning step for a period between 5 and 40 minutes at a temperature between 1100 to 1145° F. and about 5 atmospheres pressure to complete said regeneration of said catalyst.

2,461,839
DEVICE FOR RESTORING TO SHAPE THE WALLS OF DEFORMED SHEET-METAL BOXES AND THEIR LIDS
Theodoor Reinier Neutelings, Bergen-op-Zoom, Netherlands
Application April 7, 1939, Serial No. 266,596
In Belgium April 12, 1938
Sections 3 and 16, Public Law 690, August 8, 1946
Patent expires April 12, 1958
6 Claims. (Cl. 153—32)



1. A device for reshaping sheet-metal boxes and the lids pertaining thereto comprising expansible core means the outer periphery of which is nearly equal to the peripheral shape of the box or lid to be reshaped and said core means being adapted to support said box or lid, and further comprising a supporting frame surrounding the core means and carrying rolls arranged to engage and to exert a pressure on the side walls of the box or lid mounted on the core means, the supporting frame with the rolls and the core means being slidably arranged with relation to each other.

2,461,840
METHOD OF FORMING LOW-REFLECTING SURFACES ON OPTICAL ELEMENTS
Frederick H. Nicoll, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 14, 1942, Serial No. 461,958
5 Claims. (Cl. 41—42)



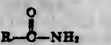
1. The method of treating glass to reduce the reflection of a component of light therefrom which comprises the steps of exposing a surface of said glass to the action of vapor arising from a dilute aqueous solution of hydrofluoric acid, maintaining the temperature of said solution lower than that of said surface to prevent condensation, whereby to reduce the density of a layer of said glass immediately adjacent said surface, and continuing said exposure until said layer has an effective optical thickness of the order of an odd integral number of quarter-wavelengths of said component of light and an index of refraction of the order of the square root of the index of refraction of said glass.

2,461,841
METHOD OF MAKING FIBROUS GLASS ARTICLES
Martin Emery Nordberg, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application January 26, 1944, Serial No. 519,231
10 Claims. (Cl. 49—79)

2. Method of making an article composed of refractory glass fibres which comprises melting a silicate glass containing not more than about 75% SiO_2, and at least one additional glass forming oxide of a metal of the second, third or fourth periodic group selected from the class consisting of beryllium, magnesium, calcium, zinc, strontium, cadmium, barium, boron, aluminum, titanium, zirconium, and thorium, forming the glass into fibres having a diameter not exceeding about .001 inch, and fabricating the fibres into an interlaced arrangement to form a fabric, leaching the fabric with an aqueous solvent having a pH not greater than 7 to extract non-siliceous constituents and leave a porous highly siliceous residue, and baking the leached fabric at a temperature sufficient to revitrify the porous fibres but insufficient to cause sintering thereof.

2,461,842
CONDENSATION OF NITRILES WITH AMIDES AND THE PRODUCTION OF BETA-ALANINE
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., a corporation of Delaware
No Drawing. Application February 26, 1943, Serial No. 477,267
6 Claims. (Cl. 260—465.5)

5. In the manufacture of a beta-amino aliphatic acid, the process comprising contacting an amide having the formula



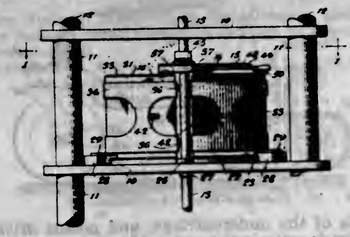
in which R is chosen from the class consisting of hydrogen, and lower alkyl and phenyl radicals, with a nitrile chosen from the class consisting of acrylonitrile, methacrylonitrile and crotonitrile in the presence of a basic catalyst until condensation has occurred between said amide and said nitrile to form the desired beta-acyl amido nitrile, and thereafter contacting the resulting beta-acyl amido nitrile with a hydrolytic agent chosen from the class consisting of acids and bases in the presence of water.

6. Compounds of the formula:

in which R represents a lower alkyl radical.

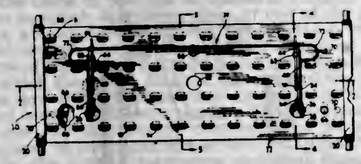
2,461,843
POTENTIOMETER
Willard J. Opocensky, Glendale, Calif., assignor to Librascope, Incorporated, Burbank, Calif., a corporation of California
Application March 11, 1946, Serial No. 653,540
17 Claims. (Cl. 201—56)

1. A potentiometer including a coil-supporting block with a central shaft-receiving bore therein, said block having a slot cut therein and extending from the bore to the periphery of the block



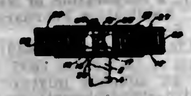
whereby the block may be slipped on to the shaft to center it with respect to the central bore.

2,461,844
STICK HOLDER
Lee D. Overland, Brooklyn, N. Y.
Application March 5, 1945, Serial No. 581,158
1 Claim. (Cl. 294—87)



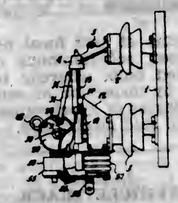
A stick holder comprising a pair of plane gripping members, means to mutually detachably attach said members in spaced parallel relationship, a third plane gripping member slidable between said pair of gripping members in a direction parallel to the planes thereof, a handle, a coupling member disposed above said top gripping member and having a portion extending through a slot in said top member and detachably engaged with said third member, coadjusting means on the coupling member and top gripping member only to captively mount said coupling member for slidable movement on said top gripping member, means to mount said handle on said top gripping member for movement relative thereto, and means to interconnect said handle and said coupling member so that movement of said handle will move said third gripping member relative to said pair of gripping members to grip a stick.

2,461,845
CUFF LINK OR CUFF BUTTON
Carl I. Osterberg, Providence, R. I., assignor to Arthur J. Schwartz, New York, N. Y.
Application April 30, 1946, Serial No. 22,185
11 Claims. (Cl. 24—97)



1. A cuff-link or button having a shank, a pivot-pin on the shank formed with flat faces on its sides, a rockable head pivoted on the pin, and a locking element slidably mounted on the head and formed with a slot engageable with the flat sides of the pivot-pin to prevent the head from rocking, said locking element having a substantially circular opening communicating with its slot and adapted to be carried into register with said pivot-pin by sliding said element to permit the head to be rocked.

2,461,846
AUTOMATIC SWITCH CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application September 4, 1943, Serial No. 501,227
2 Claims. (Cl. 200—146)



1. A switch construction adapted to open under load comprising a stationary insulating tube, a stationary contact, a main movable contact and an auxiliary movable contact adapted to engage and disengage said stationary contact, said auxiliary movable contact consisting of a plunger within said tube, said main movable contact consisting of a sleeve-like member guided by said tube and located exteriorly of said tube, spring means for drawing said plunger into said tube away from said stationary contact, latch means normally preventing motion of said plunger, mechanism for moving said main contact into and out of engagement with said stationary contact, and tripping means for tripping said latch means on movement of said main movable contact to open position.

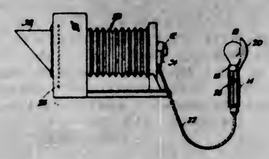
2,461,847
PROCESS FOR THE PREPARATION OF dl-THREONINE
Anthony C. Shablea, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 10, 1946, Serial No. 668,770
11 Claims. (Cl. 260—534)

1. In the process for the separation of dl-threonine and dl-allothreonine, the step which comprises reacting a mixture of dl-threonine and dl-allothreonine with a lower alkyl monohydric alcohol solution of a substance selected from the group consisting of sodium and sodium hydroxide.

2,461,849
METHOD OF TESTING CAMERA SYNCHRONIZERS
Harry Davis Simons, Kearney, N. J.
Original application November 20, 1944, Serial No. 564,226. Divided and this application May 11, 1945, Serial No. 593,254
12 Claims. (Cl. 250—71)

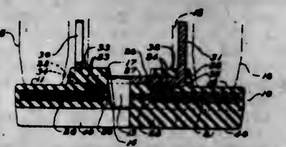
1. In a method of determining the degree of synchronization between the shutter of a camera and a photoflash-producing mechanism operatively associated therewith, said mechanism synchronizing the ignition of a photoflash bulb with the opening of the shutter, the steps which comprise placing said bulb in front of said camera, focusing the image of said bulb on the focal

plane of said camera, actuating said mechanism to ignite the flash bulb and substantially simultaneously to open the shutter, directing the light from the flash bulb through the open shutter onto said focal plane, and substantially instan-



taneously forming at said focal plane a slowly decaying, focused, self-luminous image of the flash illuminated bulb, whereby to enable the determination, by inspection of said last named image, of the degree of synchronization between said shutter and said mechanism.

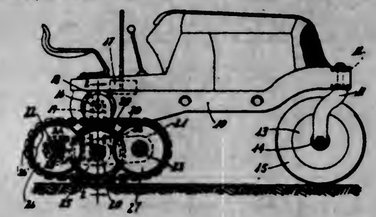
2,461,849
VEHICLE TRACK
Charles O. Slemmons, South Bend, Ind., and Robert W. Smith, Copley, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 15, 1946, Serial No. 669,872
9 Claims. (Cl. 305—10)



1. A track for a self-laying track type vehicle, said track comprising a flexible band of rubber-like material having marginal runner portions for supporting bogie wheels from the ground directly through said portions, an apertured sprocket-engaging portion between said runner portions, and flexible tension members embedded in said band at said sprocket-engaging portion between said apertured portion and said runner portion and extending longitudinally of the track in parallel relation to each other, said sprocket-engaging portion including cross-bars embedded in said band and terminating laterally of the band at said tension members short of said marginal runner portions to leave said runner portions substantially unstiffened by said cross bars thereby facilitating load support by said runner portions independently of said cross bars.

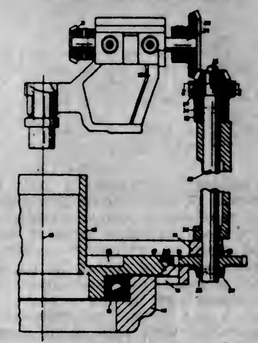
2,461,850
TRACTOR VEHICLE
Charles O. Slemmons, South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application May 31, 1946, Serial No. 673,547
8 Claims. (Cl. 305—8)

1. A tractor vehicle having a pair of undercarriages, each undercarriage comprising front, rear and intermediate bogie wheels, the intermediate bogie wheel being mounted for free-running with the lowermost point of its perimeter lower than the lowermost points of the front and rear bogie wheels for sustaining the entire weight of the undercarriage on a flat surface through said intermediate bogie wheel, said undercarriage being pivotally mounted on said vehicle for movement about the axis of said intermediate bogie wheel, a flexible track trained about all said bogie



wheels of the undercarriage, and means driving said track entirely through said rear bogie wheels.

2,461,851
CIRCULAR KNITTING MACHINE
Frederick Staples, Leicester, England, assignor to Alfred Bray & Sons Limited, Leicester, England
Application March 20, 1947, Serial No. 735,901
In Great Britain April 18, 1946
1 Claim. (Cl. 66—23)



In a circular knitting machine, a rotating cylinder, a ring of coaxial teeth fast with said cylinder, a vertical shaft, a gear fast with the lower end of said vertical shaft and in mesh with said teeth, a sleeve fast with the upper end of said vertical shaft, a bevel gear having a hub extending into said sleeve, said hub being cut-away to leave a radial projection, and screw-threaded means adjustably carried by said sleeve to coact with opposite faces of said projection whereby to dispose said bevel gear with a required angularity with reference to said vertical shaft.

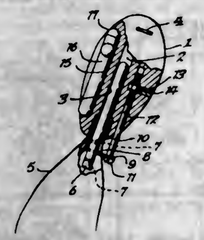
2,461,852
STABILIZATION OF DDT
Gustav A. Stein, Plainfield, and Max Tishler, Rahway, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application February 22, 1945, Serial No. 579,206
11 Claims. (Cl. 260—649)

1. The process of stabilizing DDT which comprises heating an aqueous mixture containing molten α,α - di(p-chlorophenyl)-β,β,β-trichloroethane and less than about 0.5%, based on the weight of the DDT, of a weakly basic compound at a temperature of approximately 105° C., thereby evaporating the water and forming a substantially homogeneous liquid mixture of the other components, and cooling to solidify said mixture.

2,461,853
CYLINDER LINER FOR OPPOSED PISTON ENGINES
Hans Steiner, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland
Application August 9, 1945, Serial No. 609,858
In Switzerland September 26, 1944
8 Claims. (Cl. 123—173)

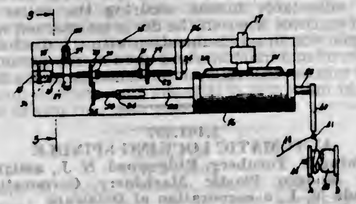
6. A cylinder liner for opposed piston internal combustion engines having a strengthened middle part surrounding the combustion chamber, two rows of passages in the wall of said middle part for the circulation of a cooling medium, each of said passages having two distinct parts intersecting each other, the axis of every such part lying in a regular cone whose axis coincides with that of the cylinder, the vertices of intersection of the parts of one row of passages lying in the zone in which the piston rings of one of the pistons are situated when that piston is at inner dead center, the vertices of intersection of the parts of the other row of passages lying in a zone in which the piston rings of the other of the pistons are situated when that piston is at inner dead center, and corresponding parts of passages in one row intersecting corresponding parts of passages in the other row at vertices in substantially the middle transverse sectional plane of the cylinder.

2,461,854
NECKTIE
Alfred F. Taborski, Buffalo, N. Y.
Application August 14, 1946, Serial No. 690,427
3 Claims. (Cl. 2—153)



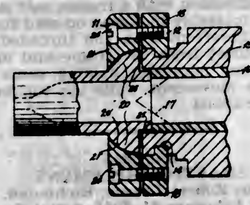
1. A preformed necktie comprising a knot portion having therein a recess opening downwardly through its lower end, an anchorage element removably disposed in said recess and depending therefrom, a drape secured over and to the lower end of said element and extending into said recess, said element having in its depending end a transverse passage, a pin removably received in said passage and having a loop on its outer end, a screw having its shank threaded and passing through said loop and parallel to said element, said knot portion having an elongated passage along which said shank of said screw extends, a nut in said knot portion across said elongated passage and into which said screw is threaded, the head of said screw abutting against said loop to draw said element into said recess and hold it there.

2,461,855
TRAVERSE FEED CONTROL MEANS
Henning T. Tornberg, Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Lodi, N. J., a corporation of Delaware
Application August 30, 1947, Serial No. 771,476
4 Claims. (Cl. 242—158)



1. In a traverse feed control means of the character described, the combination of a double acting cylinder having a piston, means carried on the piston for guiding a thread, a valve means for the control of the passage of operating medium to the cylinder, a solenoid for operating the valve means, a frame, a bar axially slidably mounted on the frame, a spring button contact switch mounted on the frame and positioned to be contacted by the bar whereby the switch is placed in closed condition, in a certain position of the bar, means mounted on the frame, adjustably frictionally contacting said bar whereby the ease of movement of said bar is alterable, a first and second members carried on the bar and moveable therealong, means carried on the bar to lock said members respectively on the bar at predetermined spaced positions thereon, a third member carried on the piston in a position between and adapted upon movement of the piston within the cylinder, to intercept said members on the bar respectively and an electrical circuit including said switch and solenoid.

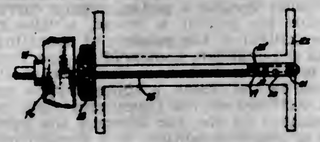
2,461,856
DIE MOUNT FOR PLASTIC EXTRUDERS
Henning T. Tornberg, Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Lodi, N. J., a corporation of Delaware
Application August 30, 1947, Serial No. 771,477
5 Claims. (Cl. 18—12)



1. In combination with a plastic extrusion machine or the like, a die having an inlet end and a discharge end and a plurality of outwardly laterally extending lugs in a predetermined spaced relation around the body of the die at the inlet end thereof; each of said lugs presenting a surface sloping outwardly respectively, away from the discharge end of said die, a separate collar on said die having such a flared bore; the surface of said bore in the collar being in contact with said sloping surfaces of the lugs and provided with a plurality of channels extending through the face of the collar positioned furthest from the inlet end of the die; said channels being

spaced and of such dimension and number as to permit passage of the lugs therethrough respectively simultaneously when the die is turned within the bore of the collar so that the lugs are aligned with said channels respectively; the inlet end of said die being positioned in communication with the discharge outlet of such machine and adjustable means securing the collar on such machine wherein the die is maintained with its inlet end in communication with the discharge outlet of said machine, and upon manipulation of said means, the collar is loosened from its hold on the die.

2,461,857
AUTOMATIC LOCKING SPINDLE
Henning T. Tornberg, Ridgewood, N. J., assignor to Modern Plastic Machinery Corporation, Lodi, N. J., a corporation of Delaware
Application August 30, 1947, Serial No. 771,478
1 Claim. (Cl. 242—46.2)



In a spindle to hold a tubular member thereon, a shank having a reduced exteriorly threaded portion and a nut eccentrically mounted on said threaded portion and in threaded engagement therewith, whereby when the nut is positioned at least a certain distance from the other portion of the shank, a tubular member of predetermined dimensions is receivable on the shank and nut and in frictional contact with the latter, and when the tubular member is so mounted, then upon some axial rotary movement of such tubular member in one direction with respect to the shank, the nut will be moved along said threaded portion towards the other portion of the shank and lock said member on the shank, and thereupon some axial rotary movement of such member in the opposite direction with respect to the shank, the nut will be moved away from such other portion of the shank and unlock said member from the shank whereby such member is freed for removal from off the shank and nut, in combination with a frame; said shank being axially rotatably mounted on said frame and extending therefrom with the threaded portion thereof furthest from the frame and means on the shank for manually holding same against axial rotary movement while the tubular member is on the shank.

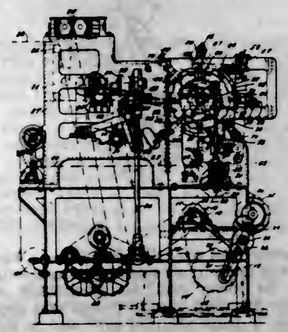
2,461,858
SHAVING IMPLEMENT
Augustus Robert Towers, Richmond, Va.
Application February 21, 1945, Serial No. 578,968
16 Claims. (Cl. 30—43)

3. In a shaving implement, a shaving head, a rotary cutter mounted in said shaving head, said head including a comb plate overlying said cutter, and a cover guard of stretchable material enveloping the shaving head and having a plurality of openings exposing the shaving portions of the comb plate, said cover guard being of smaller size than the shaving head and exerting an over-all constrictive force against said shaving head whereby the comb plate is caused to be pressed at all cutting points against the rotatable cutter.

2,461,859
TRANSMISSION BELT JOINT
Anthony J. Vassalli, Newark, N. J.
Application November 12, 1947, Serial No. 785,283
1 Claim. (Cl. 24—38)

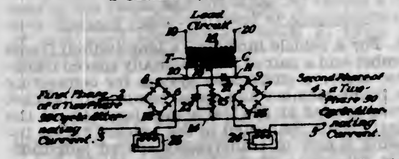
An endless flexible leather transmission belt, said belt comprising a band having complementary male and female ends interlocked with each other, said male and being roughly a triangular body with a plurality of spaced dovetail tabs extending outwardly from the sides thereof, with the space between adjacent tabs being dove-tail openings, the altitude of said triangular body being approximately coincidental with the longitudinal center line of said band, the angle between said longitudinal center and each side of said triangular body being approximately 12°30', the width of the throat of each tab being approximately equal to the average thickness of said band, the outermost limit of the tabs on each side of said triangular body being roughly in a line approximately parallel to that side of the triangular body adjacent thereto.

2,461,860
APPARATUS FOR MAKING PILE FABRICS
Victor A. Victor, Brooklyn, N. Y.
Application September 16, 1944, Serial No. 554,405
14 Claims. (Cl. 154—1.1)



14. An apparatus for making pile fabrics which comprises means to intermittently feed a backing having a cementitious coating thereon to a pile-depositing station, means to intermittently feed a pile-forming material to a severing station, a knife to sever the leading edge portion of said pile-forming material, a rotor provided with a plurality of grippers, and means to intermittently rotate said rotor to dispose a gripper in position to grip the leading edge portion of said pile material prior to severance thereof and after severance to dispose said gripper at the pile-depositing station in a substantially vertical position with the lower ends of the pile elements spaced from and at right angles to the point on the coating at which said lower ends are to be embedded, said rotor having cam-controlled means to advance said gripper in a direction toward the pile material at the severing station, to move the gripper downwardly at the pile-depositing station whereby the pile elements are embedded in the coating, and to retract said gripper after the pile elements have been embedded in the coating.

2,461,861
APPARATUS FOR FREQUENCY MULTIPLICATION OF ALTERNATING ELECTRIC CURRENTS
Alec Hervey Bennett Walker, London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 2, 1945, Serial No. 591,525
In Great Britain July 11, 1944
1 Claim. (Cl. 172—281)



In combination, a two-phase source of alternating current of a given frequency, a first and a second full wave rectifier, said first rectifier having its input terminals connected to a first phase of said source, said second rectifier having its input terminals connected to a second phase of said source, a choke coil having one outside terminal connected to the positive output terminal of said first rectifier and its other outside terminal connected to the positive output terminal of said second rectifier, means including a resistor to connect a mid terminal of said coil to the negative output terminals of said rectifiers, and a load circuit coupled to said choke coil to receive alternating current of double said given frequency due to the voltages made to appear at the output terminals of said coil.

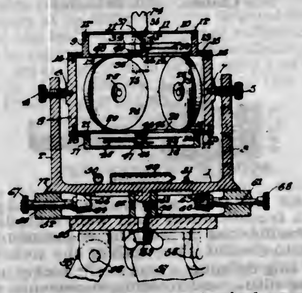
2,461,862
SEWING MACHINE
Albert H. Weis, deceased, late of South Nyack, N. Y., by Barbara Weis, South Nyack, N. Y., executrix, assignor to Wilcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application October 2, 1945, Serial No. 619,762
2 Claims. (Cl. 112—214)

1. In a puller feed for a sewing machine, a base having an opening therein; an overhanging arm spaced from the base; upper and lower feed rollers having ribs extending across the surface thereof, the lower roller having circumferential grooves therearound and being mounted on the base to project through the opening and the upper roller being carried by the arm and movable into cooperative relation with the lower roller with the ribs of said rollers in meshed relation to grip material therebetween; means for driving said rollers to pull said material; and a plate having a portion extending into the grooves between the rollers for engaging the material and stripping the material from the lower roller and a curved portion extending rearwardly from the rollers and upwardly above the base for deflecting the material beyond the edge of said opening whereby said material is prevented from being drawn into said base through the opening.

2,461,863
COUPLING
Stanley H. Zeeb, Jackson, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application December 6, 1945, Serial No. 633,189
7 Claims. (Cl. 285—122)

1. A coupling of the character described, comprising two body portions, a male connector on one of said body portions, said male connector having a spiral groove therein terminating at its end away from the outer end of the connector in a circumferentially extending groove, a female connector on the other of said body portions, said female connector being in the form of a rotatably mounted nut, a spiral thread simulating wire disposed in said nut, and means anchoring the leading end of said wire to said nut, whereby said female connector may be screwed on said male connector.

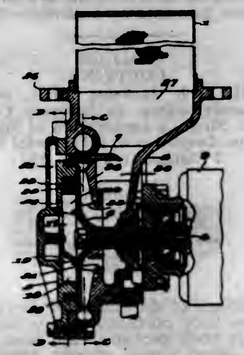
2,461,864
INSTRUMENT FOR GEOPHYSICAL EXPLORATION
Theodore Zuschlag, West Englewood, N. J., assignor to Hans T. F. Lundberg, Toronto, Ontario, Canada
Application December 13, 1945, Serial No. 634,780
12 Claims. (Cl. 175—183)



1. An instrument for geophysical prospecting comprising, a pair of magnetic compass needles of substantially the same pole strength, mountings for supporting the needles to operate in spaced planes with their axes of rotation in substantial alignment, means for simultaneous rotary adjustment of the mountings in opposite di-

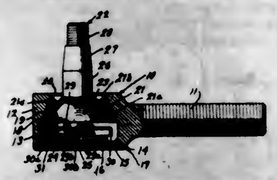
rections, and means for simultaneous rotary adjustment of the needles in the same direction in a plane at right angles to the planes of the first named adjustment.

2,461,865
PUMP
Harold E. Adams, South Norwalk, Conn., assignor to Nash Engineering Company, South Norwalk, Conn., a corporation of Connecticut
Application July 6, 1943, Serial No. 493,662
21 Claims. (Cl. 103—113)



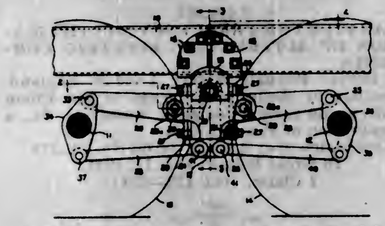
1. In a centrifugal liquid pump, intermediate gas collecting and separating chambers placed between the liquid passages of the impeller and rotating with said impeller, said rotating chambers having openings near their central extremities connecting to stationary suction chambers for the purpose of withdrawing gas from said rotating chambers by gas pumping means, and having their radially outer sections walled to limit discharge of liquid from said chambers radially outwardly into the main discharge passage of said pump.

2,461,866
JOINT
Marshall Homer Alldredge, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application December 6, 1944, Serial No. 566,913
4 Claims. (Cl. 287—90)



1. A tie rod joint comprising a metal socket having a frusto-conical inner wall, a plastic material bearing ring in wedging engagement with said frusto-conical inner wall of the socket, said bearing ring defining a seat in the socket accommodating tilting and rotating movements, a stud having a head in said seat in tiltable and rotatable relationship therewith, said head having a rounded button end thereon, a molded plastic wear plate having a depression receiving said projection of the stud, and a spring urged metal retainer in said socket having a depression receiving the projection of the wear plate, said spring-urged retainer acting through said wear plate on said stud for maintaining the stud in good bearing relation with the plastic seat.

2,461,867
VEHICLE AXLE SUSPENSION
Frank W. Avila, Columbia City, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application August 30, 1947, Serial No. 771,436
4 Claims. (Cl. 280—104.5)

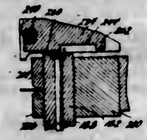


1. For a vehicle including a longitudinal frame member and a pair of longitudinally spaced transverse axles: a suspension system for connecting the frame member and axles, comprising bracket means carried by the frame member between the axles; means connected to the bracket means including a pair of transversely spaced longitudinally extending plates having a block of rubber or the like therebetween; a first arm pivoted at one end on a transverse axis to the plates and extending toward and connected at its other end to one axle; a second arm pivoted at one end on a transverse axis spaced longitudinally from the pivot of the first arm; said pivoted connections of the arms to the plates to include means for holding the plates together with the block therebetween; and means respectively on the arms and engaging the block of rubber or the like for compressing said block upon pivoting of the arms upwardly by the axles.

2,461,868
DOUGH MOLDING MACHINE ATTACHMENT
Roland W. Baird, Dallas, Tex.
Application December 12, 1944, Serial No. 567,819
2 Claims. (Cl. 107—9)

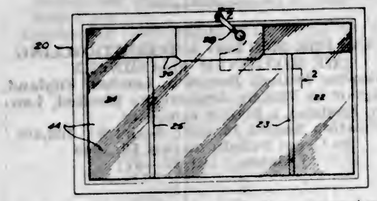
1. A dough moulding machine including, a revolving drum, a pressure board curved longitudinally and underlying the drum in spaced relation thereto, a continuous fabric lining secured to the upper side of the pressure board and extending from end to end of said board, said lining being of uniform thickness transversely and longitudinally except at its discharge end to provide a continuous unbroken surface, and V-shaped upstanding ribs mounted on the continuous unbroken surface of the lining in regular spaced order, the outer end of each leg of each rib terminating in close proximity to the longitudinal edge of the lining.

2,461,869
STAPLING MACHINE
James Balton, Baltimore, Md.
Application October 17, 1947, Serial No. 780,311
6 Claims. (Cl. 140—11)



1. In a stapling machine for wires, a table, a bifurcated anvil in reciprocating relation to said table and an ironing member connected to said anvil and disposed between the bifurcations, said ironing member having a pair of legs spaced from each other and providing with said bifurcations the walls of a cavity overlying said table, one of said legs of the ironing member having a face spaced from the faces of the bifurcations of said anvil a distance substantially equal to the thickness of the staple and the other leg having a face at a distance from the faces of the bifurcations of said anvil substantially equal to twice the thickness of the staple.

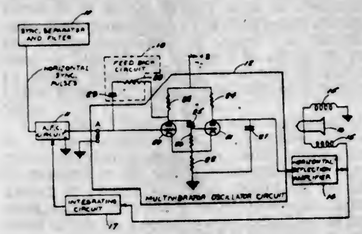
2,461,870
WINDOW SHADE CONSTRUCTION
Clarence G. Barrows, Hamden, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware
Application July 13, 1944, Serial No. 544,721
12 Claims. (Cl. 160—90)



1. In shade apparatus of the character described, the combination including a pair of shades, means mounting said shades for movement toward one another, and means for moving the leading edge of each shade toward that of the other shade; each shade being divided roughly into two equal portions along a line normal to its path of movement, and one of said portions being formed of an opaque material and the other being formed of a second material through which light rays can pass.

2,461,871
RELAXATION OSCILLATOR CAPACITANCE MULTIVIBRATOR
Harland A. Bass, Mount Healthy, Ohio, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio, a corporation of Delaware
Application August 1, 1947, Serial No. 765,362
2 Claims. (Cl. 250—36)

1. In an indirectly synchronized sweep-signal generating system for a television receiver, the combination of a source of unidirectional automatic frequency control voltage, a multivibrator comprising a pair of electron tubes of which one has a control grid-cathode input circuit, coupled to said source, and an anode circuit, and an inverse feedback network intercoupling said anode and said input circuit for providing an effective shunting capacitance across said input circuit, said capacitance being employed as a filter to



steady the value of said automatic frequency control voltage, whereby to stabilize the output frequency of the generating system.

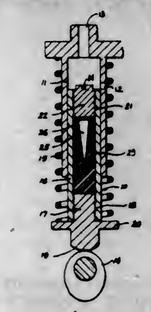
2,461,872
FINGER COT
Elmer W. Beatty, Danville, Ill., assignor of one-half to Irwin W. Millard, Danville, Ill.
Application March 18, 1947, Serial No. 735,417
2 Claims. (Cl. 2—21)

2. A finger cot comprising, in combination, an elongate strip of soft leather and a shorter strip of resilient fabric arranged in superimposed relation with the outer end portion of the leather strip projecting beyond the fabric strip, the outer end portion of said leather strip being doubled back upon itself in overlapping relation with the upper portion of the fabric strip, said strips and the overlapping part of the doubled back portion of the leather strip being stitched together along their side edge portions to form a finger-receiving tube open at its lower end, the doubled back portion of the leather strip being of sufficient length that the region of fold lies substantially outward of the upper end of said fabric strip and the side margins of the leather strip being free of each other in the region of fold.

2,461,873
EXPANSIBLE PLUNGER
Louis Beeh, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y., a corporation of New York
Application April 11, 1946, Serial No. 661,281
10 Claims. (Cl. 309—4)

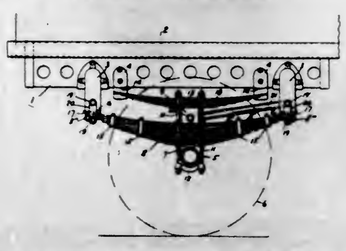
6. A plunger or piston comprising a body including a foot portion adapted for co-operation with a reciprocating drive and a thin-walled tubular portion in co-axial continuation with said foot portion, a filler within said tubular portion, said filler being of a material which when subjected to pressure in other directions, a screw

member in engagement with a threading of said body, said screw member closing said tubular



member at its top and being adapted to exercise adjustable pressure on said filler.

2,461,874
VEHICLE SPRING
Charles Bohlen, Jr., Jenkintown, Pa.
Application March 13, 1944, Serial No. 526,166
7 Claims. (Cl. 267—56)

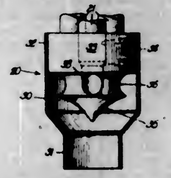


1. In combination a spring formed of a plurality of superimposed leaves, the leaf adjacent to the top leaf being bent downwardly upon itself to form a curved spring element and an eye, a spring hanger affording a slipper bearing for the top leaf of the spring and a spring shackle connected to the spring hanger and to said eye, with said curved spring element under tension.

2,461,875
FROTH FLOTATION OF IRON ORES
Robert Ben Booth, Springdale, and Earl Conrad Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 14, 1944, Serial No. 522,268
10 Claims. (Cl. 209—166)

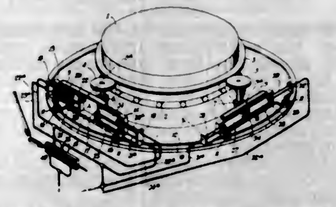
1. A method of beneficiating oxidized iron ores by froth flotation which comprises conditioning the ore at high solids with a collector and an inorganic acid substance, the anion of which is a constituent of an acid having a dissociation constant of at least 10^{-7}, the amount of the acid substance being sufficient so that on dilution to froth flotation density without neutralization the pulp will have a pH between 1.5 and 5.5, the effective collecting constituent of the collector being a sulfonated residue from the refining of glyceride oils and fatty acids, the amount of collector being sufficient to permit effective flotation, diluting the conditioned pulp to froth flotation density and subjecting it to froth flotation to produce a concentrate relatively rich in iron and a tailing relatively poor in iron.

2,461,876
LIQUID DISTRIBUTOR FOR REFRIGERATING SYSTEMS
John R. Boyle, Chicago, Ill., assignor to Betz Corporation, Hammond, Ind., a corporation of Indiana
Application June 28, 1946, Serial No. 680,028
1 Claim. (Cl. 62—127)



In a liquid distributor for supplying parallel evaporator coils of a refrigerating system, a housing having an inlet opening in its lower end and a plurality of outlet openings in its upper end, a projection on said housing having a downwardly pointing conical deflecting surface against which the refrigerant entering said inlet opening impinges, and said projection forming with said housing an annual distributing passageway above said conical deflecting surface connecting said plurality of outlet openings.

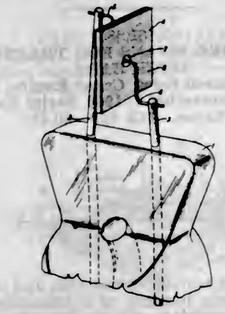
2,461,877
MEANS FOR MOVING AND CONTROLLING THE MOTION OF MACHINERY
Christopher Francis Brereton, London, England, assignor to Vickers-Armstrongs Limited, London, England, a British company
Application August 13, 1947, Serial No. 768,405
In Great Britain August 19, 1946
5 Claims. (Cl. 60—97)



3. Hydraulic power apparatus for imparting movements to a mass feeding mechanism or other driven device, alternately in opposite directions or intermittently in a desired direction comprising a rotary driven element and two hydraulic engines connected to said driven element and adapted to be operated alternately so that one imparts rotation to the rotary element in one direction and the other engine in the counter-direction, the connection from each engine to the rotary element comprising a slidable driver operatively connected to the rotary element and having an abutment adapted to receive the driving load from the appropriate hydraulic engine, each hydraulic engine comprising a pair of opposed rams adapted in one stage to simultaneously engage the said abutment and a normally fixed stop also interposed between the opposed

ends of the rams, the pair of rams appropriate to one machine having a greater capacity and power output than the pair of rams appropriate to the other machine and having combined with them a pair of auxiliary rams having a lesser capacity and power output than the latter mentioned pair of rams, the maximum capacity rams being adapted to be alternately connected to the source of supply of hydraulic pressure fluid and to exhaust, whilst all of the remaining rams are adapted to be permanently connected to the said source, the arrangement being such that when the abutment of the slidable driver and associated stop on one machine are both engaged by the opposed ends of the rams on opposite sides thereof, the corresponding abutment and stop of the other machine are spaced apart with a corresponding spacing of the opposed rams of such machine and the associated stop engaged by one ram and the associated abutment engaged by the other ram of such machine, the said pair of auxiliary rams serving to maintain engagement between their associated maximum capacity rams and the associated stop and abutment and yieldingly opposing displacement of such abutment away from the stop when both of the maximum capacity rams are connected to exhaust and the pair of rams appropriate to the other machine perform the driving operation.

2,461,878
METALLIZING COMPOSITION
Carl J. Christensen and Merle D. Rigterink, Summit, and Arnold W. Treptow, Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 1, 1944, Serial No. 561,392
11 Claims. (Cl. 171—327)

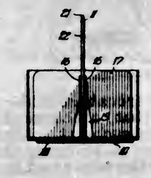


1. A metallizing composition essentially comprising by weight: 46 parts of finely divided silver; 4 parts of a glass flux consisting essentially of constituents which, expressed as PbO, B_2O_3, SiO_2 and PbF_2, are present in the proportions by weight of 82.5 per cent of PbO, 11.4 per cent of B_2O_3, 1.1 per cent of SiO_2, and 5.0 per cent of PbF_2; 3.85 parts of polymethylmethacrylate; and an organic solvent in which said polymethylmethacrylate is dissolved.

7. The method of fastening electric leads to a quartz crystal comprising forming on the surface of said crystal a layer containing a finely divided metal and a finely divided glass flux and heating said layer to a temperature above the melting point of said glass flux for a time sufficient to fuse said flux and cause it to bind the metal particles together and to the surface of said body and soldering said electric leads to the resulting metallized surface, said glass flux comprising by weight about 50 to 90 per cent of PbO, about 5 to about 25 per cent of B_2O_3, and the indicated proportion of a substance chosen from the group consisting of about 1 to about 20 per cent of SiO_2, from about 5 to about 25 per cent of Bi_2O_3, from about 1 to about 10 per cent of PbF_2, and from about 1 to about 5 per cent of TiO_2.

9. A metallizing composition comprising a finely divided noble metal-containing substance, a finely divided glass which melts below about 500° C. present in an amount constituting about 3 to about 10 per cent of the weight of the metal in said metal-containing substance, an organic polymer which is heat-depolymerizable without decomposition present in an amount constituting about 2 to about 25 per cent of the weight of said noble metal-containing substance and said glass, said organic polymer being an alkyl ester of methacrylic acid, and an organic solvent for said polymer in which said polymer is dissolved.

2,461,879
CONTAINER
Walton B. Crane and William B. Crane, Jr., Los Angeles, Calif., assignors to Alpak, Los Angeles, Calif., a copartnership
Application October 29, 1947, Serial No. 782,920
9 Claims. (Cl. 224—48)

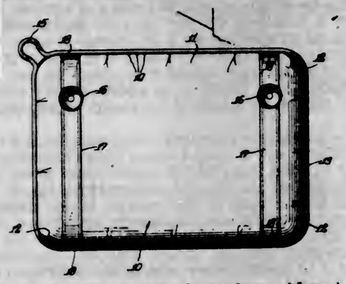


1. In combination with a bottle holding container wherein bottle receiving cells are defined by vertically arranged interlocking longitudinal and transverse partition means, and wherein a central portion of a longitudinal partition is formed by juxtaposed integral end sections extending upwardly from longitudinal bottom flap-forming members of the container, a separable frame structure comprising a relatively rigid bent wire member having an inverted U-shaped upstanding bail forming portion which is positioned between the upstanding juxtaposed sections of the longitudinal partition with the bight thereof forming a handle in spaced relation above the top edge of the partition and with the legs thereof depending to the outside of the bottom of the container and said handle member having integral bottom support forming portions extending laterally of the bottom ends of the legs and providing substantial support beneath the bottom of the bottle receiving cells.

2,461,880
CUSHION OR BACK REST
Frank J. Curran, Downers Grove, Ill., assignor to Curran Cushion and Textile Company, a corporation of Illinois
Application October 18, 1946, Serial No. 704,126
2 Claims. (Cl. 155—174)

2. A resilient back rest comprising a casing of water resisting material, cushioning material mounted in said casing, vertically extending and horizontally spaced apart straps secured to said

rest, and suction cups secured adjacent the upper ends of said straps and on the rear side of said



back rest for detachably fastening said rest to a support.

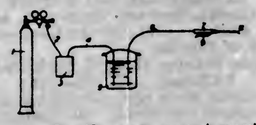
2,461,831
SHOULDER PAD
Al Diamond, New York, N. Y.
Application September 10, 1946, Serial No. 695,988
6 Claims. (Cl. 2—268)

1. A pre-shaped arcuate shoulder pad comprising a folded over bat, a thermoplastic member between the folds of such bat, a crinoline piece on said folded bat and a covering sheet of textile material enclosing the whole and having its edges secured together.

2,461,882
FURFURYL ALCOHOL RESIN AND PROCESS OF MAKING THE SAME
Edward R. Dillehay, Glen Ellyn, and Robert D. Schuetz, Chicago, Ill., assignors to The Richardson Company, Lockland, Ohio, a corporation of Ohio
No Drawing. Application March 24, 1945, Serial No. 584,726
7 Claims. (Cl. 260—92.6)

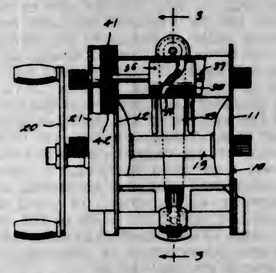
6. A resinous material which is the result of the polymerization of furfuryl alcohol under heat with sulphur as the catalytic agent, and under neutral conditions in the presence of water.

2,461,883
APPARATUS FOR THE PERMANENT WAVING OF HAIR
Otto Elsässer and Carl Ronzi, Zurich, Switzerland
Application November 25, 1946, Serial No. 712,200
In Switzerland August 10, 1946
3 Claims. (Cl. 132—33)



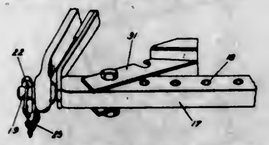
1. Apparatus for the permanent waving of the hair comprising: a perforated tubular curler closed at one end; a source of compressed gas; an ozone generator; a container for a fixing solution; and a spraying device; combined substantially as described and for the purpose set forth.

2,461,884
LEVEL WIND FOR FISHING REELS
Louis S. Elsinger, Tampa, Fla.; J. E. Gillen trustee in bankruptcy of said Louis S. Elsinger
Application January 3, 1946, Serial No. 638,848
3 Claims. (Cl. 242—84.4)



1. In a fishing reel comprising a pair of side members and a winding spool rotatably mounted between said side members, a level winding means comprising a pair of spaced apart parallel bars, means slidably supporting said bars between said end members longitudinally of said spool on the forward side thereof, a rock lever underlying said spool, a rotatable grooved cam carried by said reel opposite said spool from said bars, and means operatively connecting said rock lever to said cam and said bars for sliding said bars upon rotation of said cam.

2,461,885
LATCHING MEANS FOR TRACTOR HITCH BARS
Joseph Russell Estes, Cedar Rapids, Iowa
Application September 7, 1946, Serial No. 695,463
3 Claims. (Cl. 280—33.44)

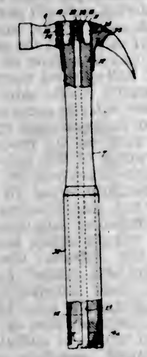


1. A latching means for use with and for selectively preventing rotation of a rotatable tractor hitch bar, comprising an arm pivotally engaged to the hitch bar, and having yoke means on the free end thereof for selective swingable engagement or disengagement with a portion of the hitch bar supporting structure.

2,461,886
TOOL HANDLE
Damas C. Filiatreault, Jr., Chicago, Ill.
Application January 4, 1946, Serial No. 639,003
2 Claims. (Cl. 306—38)

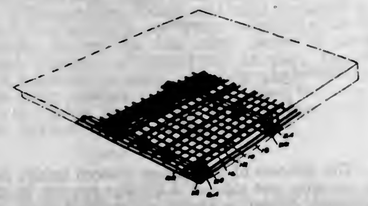
1. A tool handle comprising a wooden handle having an end for engagement in the socket of a tool head, said end having a cavity therein and slots radiating from said cavity and extending at right angles to each other, a cap secured upon the grip end of the handle and having a recess therein, a rod threaded at one end and having a

head upon the other end engaging the outer face of the recess in said cap, and a wedge having an internally threaded tapered tubular portion and wedge-like ribs extending at right angles to each other and radiating from said tubular portion, two of the ribs being of the same length as the tubular portion and the other two of the ribs



having substantially parallel side edges and being of greater length than the tubular portion and each tapering to a sharp edge beyond the tubular portion whereby when the wedge is driven into the handle the longer sharp ribs bite into the handle and the ribs do not split the handle, said ribs being of a size to spread the end of the handle against the walls of the socket.

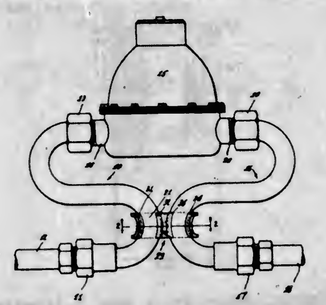
2,461,887
FABRICATED PALLET
Ralph A. Fletcher, Westford, Mass.
Application November 9, 1946, Serial No. 709,067
10 Claims. (Cl. 248—120)



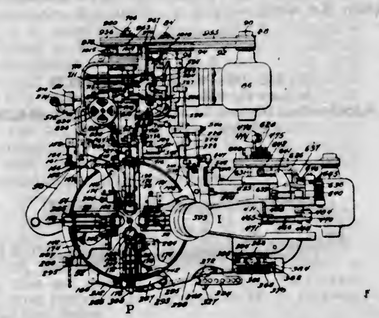
1. An improved pallet construction comprising a deck, means for supporting the deck in elevated position, said supporting means including skeletonized column members, each of said column members consisting of a pair of spaced-apart U-shaped elements secured together by laterally extending tie rods.

2,461,888
METER SETTER
Wilbur E. Ford, Wabash, Ind., assignor to The Ford Meter Box Company, Inc., Wabash, Ind., a corporation of Indiana
Application January 27, 1945, Serial No. 574,901
2 Claims. (Cl. 285—3)

1. A meter setter comprising a pair of identical S-shaped conduits allochirally arranged and with the lower bights of said tubes arranged substantially in juxtaposition, and a holder associated with both of said bights and comprising a fitting formed with two oppositely curved channels, each of said channels being adapted to receive a portion of one of said bights, each of said channels further comprising a bottom portion of semi-cylindrical cross section upon a diameter slightly greater than the outside diameter of its associated conduit portion, and a mouth portion formed by parallel walls projecting beyond the edges of said semi-cylindrical portion, and a layer of solder or the like interposed between the wall of each channel and its associated conduit portion, and formed to provide fillets extending from near the termini of said parallel walls into contact with said conduit portion.

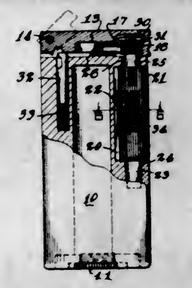


2,461,889
MACHINE AND METHOD FOR MANUFACTURE OF SHOES
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application July 19, 1944, Serial No. 545,590
160 Claims. (Cl. 12—51)



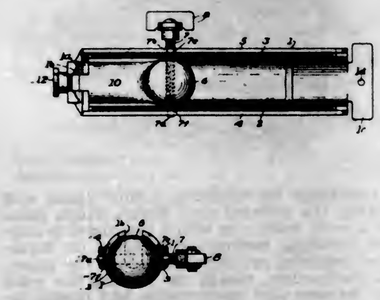
8. Apparatus for eyeleting a shoe upper and for lacing the eyeleted shoe upper, which comprises a work holder on which the upper is supported, eyeleting mechanism adapted for forming lace receiving eyelet holes through the upper, lacing mechanism, means for feeding the work holder between said mechanisms, and means associated with each of said eyeleting and lacing mechanisms for controlling the work holder in predetermined relation during the respective eyeleting and lacing operations on the supported upper.

2,461,890
CIGARETTE LIGHTER
Cecil M. Fox, Toledo, Ohio, assignor, by mesne assignments, to Emanuel Berg, New York, N. Y.
Application November 7, 1945, Serial No. 627,185
1 Claim. (Cl. 67—7.1)



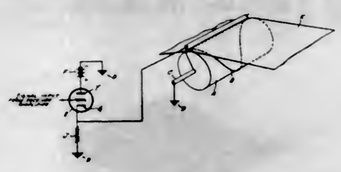
A lighter comprising a case, a laterally extending recess therewithin, a cylindrical member disposed within said recess and having rotary and limited translatory movement therewithin inwardly of the recess and outwardly thereof, a pin assembly including an abrading wheel projecting upwardly of the said cylindrical member and rotatable and movable therewith, a wick on said case, a flint, means to urge the flint outwardly against said abrading wheel, a cover member for the case and wick pivotally secured at one end thereof to the case, means to urge the other and free end of the cover upwardly of the case to uncap the wick, and interengaging means between the pin and the cover when the pin is under the influence of the flint-urging means to lock the cover on the case, compound rotary and straight line movement of the cylinder inwardly of the recess releasing the said other end of the cover to uncap the wick and spark the flint to ignite the wick.

2,461,891
TUBE DISPENSING DEVICE
Henry G. Giles, Pittsburgh, Pa.
Application March 14, 1946, Serial No. 654,280
1 Claim. (Cl. 222—101)



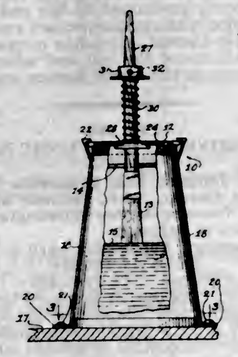
A device for dispensing the pasty contents of a collapsible-walled tubular container, comprising a hollow cylindrical housing member having a pair of integrally formed racks whose teeth are disposed longitudinally and at diametrically opposite portions of said housing member, and having a pair of integrally formed tracks confronting said racks in spaced parallel relationship but being offset laterally with respect thereto, a ball-shaped operating member having a shaft extending centrally therethrough in fixed relationship and having pinion portions that mesh with said racks and having smooth portions that are adapted to roll on said tracks, and a handle secured to the end of said shaft for manually rotating the shaft so that by virtue of the rack-and-pinion drive said ball-shaped operating member will roll longitudinally inside said housing member so as to squeeze out the contents of said container sandwiched between said operating member and housing and set up reaction forces on said tracks, the radius of the ball-shaped member plus the double thickness of the container wall being substantially equal to the radius of said housing member, said housing member having an opening disposed longitudinally on one side thereof that is sufficiently large as to allow introduction of the tubular container therethrough when said ball-shaped member is in a retracted position, said housing having a neck portion at one end thereof into which a correspondingly shaped neck portion of the container will snugly fit and which is sufficiently large so that the ball-shaped member can be rolled therein to squeeze out the entire contents of the container, said neck portion having a longitudinal slot through which the neck portion of said tubular container may be slid when introducing the container through said longitudinal opening.

2,461,892
ELECTROLYTIC RECORDING
Harold G. Greig, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 16, 1946, Serial No. 690,867
16 Claims. (Cl. 204—2)



1. The process of producing colored image records on only one side of a fibrous carrier by the electrolytic facsimile recording method, said records having an improved stability to light and storage, which comprises subjecting to the action of an electrolytic facsimile recording current a travelling fibrous carrier impregnated with an alkaline solution containing as its essential components a source of diazonium ions, an azo dye coupling component in a sufficient quantity to react with the diazonium ions when formed to produce an azo dye, a water soluble inorganic salt as the electrolyte in an amount to insure the passage of the electrolytic recording current and a small amount of an aliphatic nitrogenous compound soluble in aqueous alkaline solutions selected from the class consisting of alkylamines containing from 3 to 6 carbon atoms, alkylene polyamines, alkylolamines and the salts of such amines, said aliphatic nitrogenous compound operating to increase the stability of the records to light and storage.

2,461,893
READILY RELEASABLE LIQUID CONTAINER AND CAP SEALING MEANS
Pasquale Guagliano, Mill Valley, Calif.
Application April 24, 1946, Serial No. 664,678
1 Claim. (Cl. 220—40)



In a liquid container having a cover cap, means for readily releasably securing said cover cap in sealed relation to said container including a sealing washer peripherally secured within said cover cap arranged to cooperate with the container top edge, said cover cap having a depending cylindrical flange arranged to extend downwardly outwardly about the container top edge, the outer surface of said depending flange being knurled to provide a readily graspable surface, a plurality of regularly cammed flanges extending outwardly from the said depending knurled flange of said cap and correspondingly spaced cooperating hooked fingers extending outwardly and upwardly from a point on the outer surface of the container located a distance below the container top edge at least equal to the depth of the cap depending flange and then inwardly to a point intermediate the outer surface of said depending flange and the outer edges of said cammed flanges, whereby the knurled flange may be manually grasped to rotate the cover cap to and from sealing cooperation with the container top edge to securely seal the cap to or release it from the container top edge.

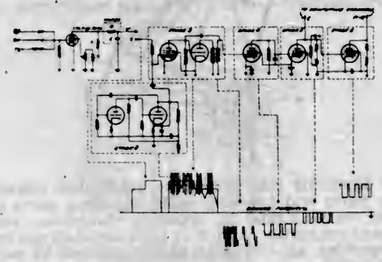
2,461,894
CONDENSATION PRODUCTS OF TRI-(BETA-AMINOETHYL)-AMINE AND BETA-DIKETONES OR HYDROXY METHYLENE KETONES
Lyle A. Hamilton, Pitman, and Charles J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 4, 1947, Serial No. 752,562
5 Claims. (Cl. 260—566)

1. A compound of the formula

$$\left(\begin{array}{c} H-O-\underset{\displaystyle X}{C}=\underset{\displaystyle Y}{C}-\underset{\displaystyle Z}{C}=N-\underset{\displaystyle R}{CH}-\underset{\displaystyle R'}{CH}- \end{array}\right)_3 N$$

wherein each of R and R' represents a member of the group consisting of hydrogen and methyl radicals, each of X and Y represents a member of the group consisting of hydrogen and hydrocarbon radicals and Z represents a hydrocarbon group.

2,461,895
MULTIPLYING APPARATUS
Arthur C. Hardy, Wellesley, Mass., and Edward C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
Original application July 8, 1944, Serial No. 543,990. Divided and this application December 3, 1946, Serial No. 713,658
10 Claims. (Cl. 235—61)



1. Computing apparatus for obtaining the product of a number of factors, comprising means for generating a number of series of rectangular waves at irrationally relates frequencies and making the effective lengths of the impulses in each series correspond to one of the factors to be multiplied, and means for measuring the percentage of time during which impulses occur simultaneously in all said series.

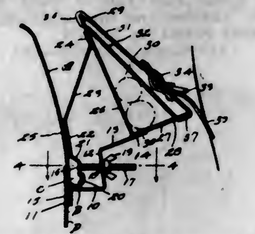
2,461,896
PREPARATION OF CRYSTAL VIOLET
Guy Scott Herrick, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 20, 1945, Serial No. 606,284
11 Claims. (Cl. 260—391)

1. A process for preparing an anhydrous triarylmethane dye having a uniform slow rate of solubility in alcoholic solvents, which comprises crystallizing a dehydrated dye material selected from the group consisting of crystal violet and mixtures of crystal violet with the zinc chloride double salt thereof, from a solvent selected from the group consisting of nitroparaffins having not more than ten carbon atoms, nitrobenzene and its homologues having not more than ten carbon atoms, and mixtures thereof, the selected solvent being liquid at room temperature.

2,461,897
FISH POLE BRACKET FOR AUTOMOBILES
Jerold W. Hopkins, La Crosse, Wis., assignor of sixty-five per cent to R. C. Cheney, La Crosse, Wis., and twenty-five per cent to W. C. Cheney, Lake City, Minn.
Application March 8, 1946, Serial No. 653,000
4 Claims. (Cl. 224—42.45)

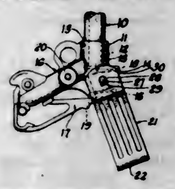
2. In combination with an automobile having a drip mold, a flexible metal strap extending horizontally adjacent to one side of the automobile and having a right angular terminal abutting said side, and also formed with a right angular bearing portion projecting in a direction counter to said right angular terminal in spaced relation opposite to said drip mold, a second flexible metal strap having a part also abutting the mentioned side of the automobile, and also formed with an integral offset portion

projecting beyond the foregoing part to engage within the drip mold frictionally, a screw bolt having one end rigidly connected to the offset portion and another end adjustably projecting through said bearing portion, a wing nut threaded on said screw bolt jambing said bearing portion



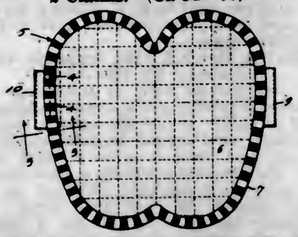
for thrusting clampingly the automobile engaging parts and the drip mold engaging parts of said metal straps in opposing directions, and means conjointly carried by both metal straps for supporting an article to be transported by said automobile.

2,461,898
FUSE GUARD FOR CUTOUTS
David C. Hubbard, Centralia, Mo., assignor to A. B. Chance Company, Centralia, Mo., a corporation of Missouri
Application December 19, 1947, Serial No. 792,804
16 Claims. (Cl. 200—127)



14. The combination of a fuse tube unit for a fused cut-out, said unit having a tube open at its lower end for receiving the fuse and leader and having a contact fixture at its lower end provided with a diagonally extending blast chute, with a fuse guard comprising a substantially V-shaped metal member having bearing apertures adjacent its ends, and laterally projecting trunnions carried by the contact fixture for engagement in said apertures.

2,461,899
SADDLE BLANKET FOR HORSES
Neva H. Humphrey, Olathe, Colo.
Application May 1, 1946, Serial No. 666,486
2 Claims. (Cl. 54—66)



1. In a saddle blanket, a substantially flat pad shaped to substantially conform to the outline of a saddle and being of sufficient size to protrude beyond the edges of a saddle, beneath which the pad is adapted to be disposed, and a roll of substantially circular cross section secured to the outer side of said pad and around the edge thereof, said roll being adapted to be disposed around the edge of the saddle for retaining the saddle correctly positioned on the pad, said pad being provided with complementary extensions at opposite sides thereof, extending outwardly from beneath portions of the roll and adapted to be disposed beneath the saddle aprons and cinches.

2,461,900
LOW SHRINKING CELLULOSIC REPAIR PUTTY
Charles W. Johnson, East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del., a corporation of Delaware
No Drawing. Application April 6, 1944, Serial No. 529,814
7 Claims. (Cl. 106—193)

1. A plastic composition prepared by blending without heating and adapted to harden on exposure to air at 70° F. without substantial shrinkage upon the evaporation of solvent which comprises a water-insoluble tough film-forming synthetic organic polymeric binder, a volatile solvent for the binder and a finely divided inert form of cellulose material characterized by an oil absorption of between 50 and 150 uniformly dispersed in the said binder in a proportion between 2.5 and 5.3 parts by weight of inert cellulose material to 1 part of the said organic polymeric binder, the said volatile solvent being present in amount from 29.2% to 50% of the total composition.

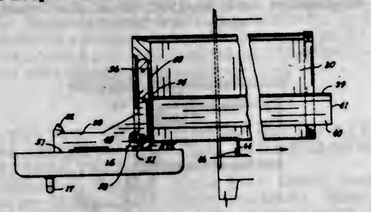
2,461,901
SULFURIZED PHENOLIC TANNING AGENTS AND THEIR MANUFACTURE
Valentin Kartaschoff, Basel, Switzerland, assignor to Sandoz Ltd., Fribourg, Switzerland, a Swiss firm
No Drawing. Application September 6, 1944, Serial No. 552,928. In Switzerland September 30, 1943
4 Claims. (Cl. 260—48)

1. A process for the manufacture of a tanning agent which comprises heating a high-molecular non-dyeing sulphurized phenol with molecular oxygen at a temperature of 120–155° C. and at a pressure of 5 to 15 atmospheres in an aqueous alkaline solution containing free sodium hydroxide until the taking up of the oxygen has ceased.

2,461,902
DETACHABLE OVEN DOOR
Gustav Klein, Melrose Park, Pa., assignor to Caloric Gas Stove Works, Philadelphia, Pa.
Application January 10, 1946, Serial No. 640,341
2 Claims. (Cl. 126—194)

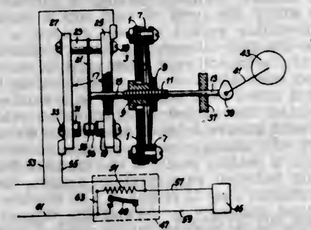
1. In a cooking stove, a first wall structure defining an oven compartment having top and bottom walls, side walls and a rear wall and provided with a front access opening, a second wall structure defining a drawer having a bottom wall and side walls, said drawer being of a size to fit within said compartment, a door for closing the front opening of said compartment and means for detachably hingedly securing said door to the front end of said drawer, said means end of the drawer and latch members carried by the inner side of the door, said latch members including keeper members carried by the front

being engageable with, and disengageable from said keeper members without removing any of said keeper members or said latch members and



without moving any of said keeper members or said latch members relative to said drawer or said door respectively.

2,461,903
THERMOSTATIC CONTROL
Edward F. Kurtz, Attleboro, Mass., assignor to Metals and Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application June 16, 1945, Serial No. 599,808
18 Claims. (Cl. 175—320)



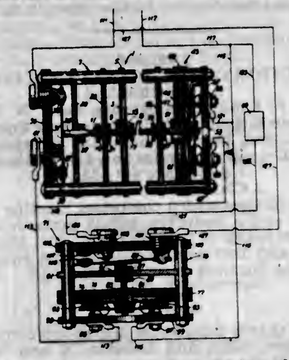
1. A thermostatic control comprising a stationary contact, a movable contact, an inherently snap-acting temperature responsive device, inherently snap-acting from one position to another on temperature change, located to bring the movable contact against the stationary contact when said device is in one of said positions and to open said contacts when said device snaps to said other position, and mechanical periodically effective means for causing said device to go from said other position to said first position.

2. A thermostatic control comprising a stationary contact, a movable contact, a dished thermostatic disc located to bring the movable contact against the stationary contact when said disc is in one position of curvature, means for mechanically urging said disc periodically toward said one position to close said contacts, and a time delay means operable in response to sustained closure of said contacts for an interval greater than that wherein the contacts are closed by said mechanical means.

2,461,904
THERMOSTATIC CONTROL
Victor G. Vaughan, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application March 21, 1946, Serial No. 655,979
22 Claims. (Cl. 175—320)

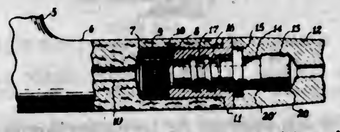
1. A thermostatic control comprising contacts in a circuit, a temperature-responsive device adapted to move to one position to close said contacts upon temperature change in one direction and to move to a second position to open said contacts upon temperature change in the other direction, and a thermal motor adapted periodically to urge said device to said first position.

11. A thermostatic control comprising normally open contacts adapted to make and break a circuit, an inherently snap-acting temperature-responsive device adapted to snap to one position on temperature change in one direction to close said contacts and to snap to a second position on temperature change in the other direction to permit said contacts to open, a thermal motor



for periodically applying an external force to said device upon cooling to urge said device to said first position and for periodically releasing said force upon heating to permit said device to snap to said second position, and a time-delay means responsive to closure of said contacts, said thermal motor having predetermined heating and cooling periods, said time-delay means having a time-delay period greater than the heating period of said motor and a reset period less than the cooling period of the motor.

2,461,905
SMOKER'S PIPE
David P. Lavietes, Boone, N. C.
Application January 25, 1946, Serial No. 643,297
5 Claims. (Cl. 131—225)



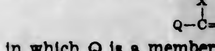
3. A smoking pipe having a bowl with a shank provided with a smoke passage and a mouthpiece provided with a smoke passage, and means for detachably connecting the mouthpiece to the shank, comprising a first tubular metallic connector member fixed to the shank and a second tubular metallic connector member having a smooth-surfaced portion frictionally embedded in the mouthpiece and having a flange at the end of the mouthpiece, one face of the flange being flush with an end face of the mouthpiece, and a neck of reduced diameter between said flange and said smooth-surfaced portion, said mouthpiece having a portion surrounding said neck between said smooth-surfaced portion and said flange but of larger diameter than said neck for preventing withdrawal of said second connector member from said mouthpiece, one of said connector members having an internal helical screw

resistant the space between the bore and the re- dimethyl - cyclopentanopolyhydrophenanthrene

thread and the other connector member having an external screw threaded extension fitted to said internal screw thread, said flange abutting against said first connector member when the screw threads of said members are connected, the friction between the connected parts being such that the mouthpiece can be connected to the shank of the bowl by turning the mouthpiece in one direction and can be overturned when the flange is seated against the first connector member and the mouthpiece can be unscrewed by turning the mouthpiece in the opposite direction.

2,461,906
PRODUCTION OF HALOGENATED ALCOHOLS AND FORMALS
Thomas E. Londergan, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 2, 1946, Serial No. 681,133
5 Claims. (Cl. 260—615)

1. The process which comprises reacting formaldehyde and a hydrogen halide taken from the group consisting of hydrogen chloride, hydrogen bromide and hydrogen iodide with a substance having the formula

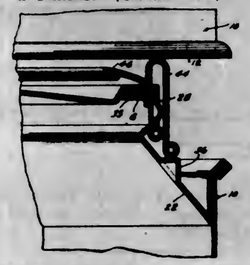


in which Q is a member of the group consisting of hydrogen, alkyl and halogen, X and X' are members of the group consisting of hydrogen and halogen, and R is a member of the group consisting of hydrogen and alkyl, in the presence of at least 5% by weight of phosphoric acid and at least 5% by weight of a substance taken from the group consisting of zinc chloride and aluminum chloride.

2,461,907
BEARING SEAL
Charles D. Magnesen, Chicago, Ill., assignor to Modern Design Products Company, Chicago, Ill., a corporation of Illinois
Application March 16, 1948, Serial No. 15,240
2 Claims. (Cl. 286—11)

1. A seal assembly for preventing flow of fluid along the surface of a cylindrical shaft, comprising a cylindrically shaped housing adapted to loosely encircle said shaft, a ring-shaped bearing means fixedly secured in said housing at one end thereof and having a forwardly projecting annular portion extending therefrom and adapted to bear axially against an annular surface, a resilient disk-like member mounted in said housing behind said bearing member and having a rearwardly extending sleeve portion adapted to embrace the shaft, a collar surrounding said sleeve portion and clamping the same to said shaft, said collar having a polygonal periphery, an end washer having a central opening formed to telescopically fit over said collar in axially slidable driving connection therewith, said washer bearing against the outer margin of said disk-like member and having its outer periphery secured in said housing.

2,461,908
CONTAINER AND COVER
Charles D. Magnesen, Chicago, Ill.
Application April 30, 1947, Serial No. 745,073
2 Claims. (Cl. 220—97)



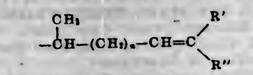
2. A container and closure for paint or similar substances, said container having a cylindrical top of a diameter smaller than the diameter of the container, a tapered throat in said top, a groove about the neck of said top spaced away from the open end thereof and a closure member adapted to fit over the open end of said top, said closure member having a circular groove into which the neck of said top is positioned, a compressible gasket in said groove, a plurality of downwardly depending fingers extending below the edge of said neck and terminating in curled over edges and a retainer ring having a beaded lower edge positioned over said cover and fastening the curled over edges of said fingers into said groove to seal said cover on said container, the closure member being so constructed that in a sealing position the same is flexed outwardly between said circular groove, and when the retainer ring is removed, the closure member is flexed inwardly to spread the fingers to permit the easy removal of the same and means associated with the neck of said container for preventing complete compressing of said gasket, said means comprising a plurality of shoulders having flat upper surfaces positioned around the neck of said container against which the lower edge of the retainer ring abuts to afford a descent limit to the beaded lower edge of the retainer ring whereby stacking of weight on said retainer rings may not excessively compress the sealing gasket in said groove.

2,461,909
BEVERAGE FAUCET AND ADJUSTABLE FLOW RESTRICTOR
Stanley J. McClure, Louisville, Ky.
Application March 15, 1944, Serial No. 526,545
7 Claims. (Cl. 225—1)

1. A beverage dispenser comprising a faucet including a barrel, a spout on the barrel, a seat in said barrel, a tubular shank mounted on the barrel, a tapered bore in said shank, a valve member in the barrel engageable with the first-named seat, a tapered restrictor member operable in the shank and cooperating with the tapered bore to restrict the space between the bore and the restrictor member, and common means on the barrel for simultaneously moving the valve member away from the seat and the tapered restrictor member toward the tapered bore, and for adjusting said tapered restrictor member toward or away from said tapered bore independently of said valve member.

2,461,910
PROCESS FOR THE DEGRADATION OF THE SIDE-CHAIN OF STEROIDS AND STEROIDS SUITABLE THEREFOR
Karl Miescher, Riehen, Hugo Frey, Olten, and Charles Meystre and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application March 28, 1946, Serial No. 657,896. In Switzerland August 18, 1942
7 Claims. (Cl. 260—397.5)

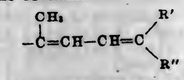
1. In a process for the degradation of the side-chain of a 10:13-dimethyl-cyclopentanopolyhydrophenanthrene, the steps of causing a 10:13-dimethyl - cyclopentanopolyhydrophenanthrene carrying in 17-position a substituent of the formula



wherein R' and R'' each represent a member selected from the group consisting of hydrogen and lower aliphatic and lower aromatic hydrocarbon radicals, and n is one of the integers 1 and 2, to react with a member of the group consisting of a carboxylic acid imide, amide and arylamide halogenated at the nitrogen while exposing the reactants to strong light.

2,461,911
PROCESS FOR THE DEGRADATION OF THE SIDE-CHAIN OF STEROIDS AND STEROIDS SUITABLE THEREFOR
Karl Miescher, Riehen, Hugo Frey, Olten, and Charles Meystre and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application August 1, 1946, Serial No. 687,694
14 Claims. (Cl. 260—397.5)

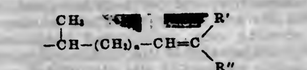
1. The 10,13 - dimethyl - cyclopentanopolyhydrophenanthrenes carrying in 17 position a substituent of the formula



wherein R' and R'' each stands for a member of the group consisting of hydrogen, lower alkyl and lower aryl radicals, and containing in 3 position a free hydroxyl group and in 5 position a halogen atom.

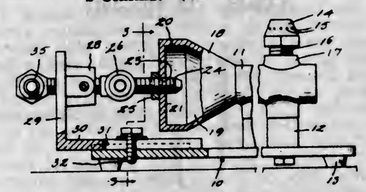
2,461,912
PROCESS FOR THE DEGRADATION OF THE SIDE-CHAIN OF A STEROID CONTAINING A NUCLEAR α,β-UNSATURATED KETO GROUP
Karl Miescher, Riehen, Hugo Frey, Olten, and Charles Meystre and Albert Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J.
No Drawing. Application April 28, 1947, Serial No. 744,534. In Switzerland August 18, 1942
6 Claims. (Cl. 260—397.3)

1. In a process for the degradation of the side chain of a steroid, the step of causing a 10,13-dimethyl - cyclopentanopolyhydrophenanthrene containing an α,β-unsaturated keto group in the nucleus and in 17 position a substituent of the formula



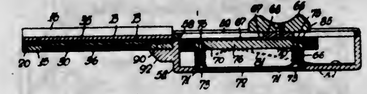
wherein R' and R'' each stands for a member of the group consisting of hydrogen, lower alkyl and lower aryl radicals and n is one of the integers 1 and 2, to react with a member of the group consisting of a carboxylic acid imide, amide and arylamide halogenated at the nitrogen while exposing the reactants to strong light.

2,461,913
GAS BURNER AND SUPPORT THEREFOR
Murlin L. Mosier, Sioux City, Iowa
Application October 24, 1947, Serial No. 781,844
2 Claims. (Cl. 158—99)



1. A burner for gaseous fuel comprising a base, a mixing tube fixed to and parallel with said base, a burner nozzle extending from said tube adjacent one end thereof, a flared inner end carried by said tube, an apertured inner end wall carried by said inner end, a pair of upstanding lengthwise extending guide ribs carried by said base, an L-shaped nozzle carrier having a horizontal plate slidably engaging between said ribs, said plate having an elongated slot, a securing bolt engaging through said slot and extending into said base for holding said plate in adjusted position, said carrier having a vertical plate on the outer end of said horizontal plate, and a fuel discharge nozzle fixedly carried by said vertical plate and loosely engaging through said inner end wall.

2,461,914
SAFETY RAZOR AND BLADE MAGAZINE THEREFOR
Edgar A. Nelson, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia
Application October 10, 1945, Serial No. 621,559
10 Claims. (Cl. 30—40)



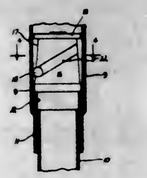
1. A blade holder comprising a saddle upon which the blade is to be located and a cap overlying said saddle to retain a blade thereon, means to immovably fix said cap to said saddle and space it therefrom to provide a blade receiving space that is open through both end walls of the holder, said saddle having a depression in its upper face which terminates short of both ends thereof, and a blade locating member seated in said depression having the end portions of its upper surface chamfered and means for yield-

across the motor armature, said reversing switch

2,461,923
APPARATUS FOR MEASURING HIGH

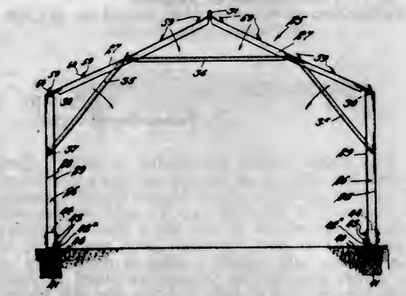
ingly elevating said member to a normal position wherein its upper surface is above the level of the top blade seating surface of the saddle and said chamfered end portions intersect the plane of said surface whereby a blade having a locating opening can be entered into said space through either end of the holder and moved along the saddle to engage the chamfered surface at one end of said locating member to hold it depressed until the blade is fully entered into the holder and the blade opening registered with the member which will be free to rise and engage in said blade opening to fixedly locate the blade in said space.

2,461,915
TRIPOD LEG
Herman Neuwirth, New York, N. Y., assignor to Testrite Instrument Co., Inc., New York, N. Y., a corporation of New York
Application March 8, 1946, Serial No. 652,895
1 Claim. (Cl. 248—191)



A tripod supporting leg comprising tubular telescoping sections, the one leg section having a truncated conical head at the end within the other leg section arranged with spiral grooves in the outer surface thereof, and balls movably engaging in said grooves between said conical head and the outer leg section adapted by the rotative movement of the telescoping leg sections relative to each other in one direction to be wedged between said grooves and the outer leg section and secure the leg sections together, and by the rotative movement of the leg sections in the opposite direction move said balls out of wedging position and release the leg sections.

2,461,916
DEMOUNTABLE BUILDING AND STRUCTURAL UNIT THEREFOR
Alejandro Goicoechea Omar, Madrid, Spain
Application March 27, 1945, Serial No. 585,035
In Spain August 14, 1944
3 Claims. (Cl. 20—2)



2. A foldable transverse frame unit for a demountable building comprising two channels having laterally-directed flanges forming uprights, and rafters, said rafters being pivoted together at their adjacent ends and at their outer ends to the channels and being foldable into housed relation with respect to the channels, the flanges of the channels being engaged in the folded position of parts.

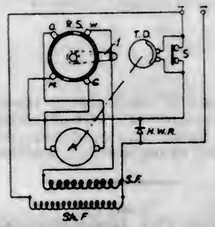
2,461,917
AROMATIC AMINES AND FUELS CONTAINING THE SAME
John W. Orelup, Short Hills, N. J.
No Drawing. Application April 15, 1944, Serial No. 531,289
7 Claims. (Cl. 260—578)

1. A high octane motor fuel containing substantial amounts of primary aromatic amines, and as an inhibitor against color deterioration, a small amount of a trialkyl amine selected from the group consisting of triamyl amine, trihexyl amine and triheptyl amine.

2,461,918
POLYAMINE RESINOUS COMPOSITION AND AN INK MADE THEREFROM
Frederick Edward Petke, Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 14, 1945, Serial No. 610,879
16 Claims. (Cl. 106—30)

16. The method of stabilizing a printing ink composed essentially of a pigment mixed in a dispersion of an acidic resin in a drying oil, which consists in treating the ink with a polyamine capable of at least partially converting said acidic resin into a polyamine salt of said resin, whereby a polyamine salt of the acidic resin is formed therein.

2,461,919
DYNAMIC BRAKING ARRANGEMENT FOR DIRECT CURRENT MOTORS
Gordon Francis Wellington Powell, London, England, assignor to Molins Machine Company Limited, London, England
Application September 12, 1945, Serial No. 615,899
In Great Britain September 14, 1944
1 Claim. (Cl. 318—369)



A dynamic braking apparatus for a motor comprising a shunt field energized throughout the working period, positive and negative leads for supplying current to the armature of the motor, a switch in one of said leads to switch the current supply to the armature on and off, a reversing switch having input and output terminals, said leads being connected to the input terminals, the output terminals being connected across the motor armature, said reversing switch being arranged to reverse after said first switch has switched off the current supplied through the leads, and a half-wave rectifier shunted across the leads, the rectifier being connected to the lead having the first switch at a point on said lead between the first switch and the reversing switch, whereby applied voltage cannot cause current to pass through the rectifier at the one position of the reversing switch but the armature generated current can pass therethrough at the second position of the reversing switch and bring the short-circuited armature rapidly to a standstill.

2,461,920
POLYHYDRIC ALCOHOL MIXED ESTERS
Burt Carlton Pratt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 25, 1944, Serial No. 519,647
6 Claims. (Cl. 260—76)

1. A mixed ester, capable of drying on baking at 100° C. in contact with an atmosphere containing molecular oxygen and in the presence of iron linoleate, consisting of the reaction product of glycerol with 7-mercaptoheptanoic acid and phthalic anhydride in the ratio of 20 parts of 7-mercaptoheptanoic acid and 18.4 parts of phthalic anhydride to 11.5 parts of glycerol.

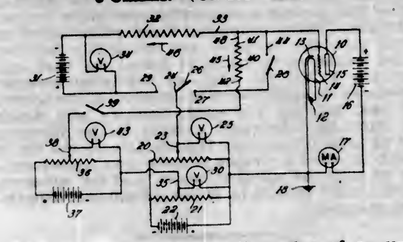
2,461,921
ANTISPASMODIC COMPOSITION
Harold M. Rabinowitz, Brooklyn, N. Y.
No Drawing. Application June 15, 1945, Serial No. 599,772
3 Claims. (Cl. 167—74.5)

1. The method of making an antispasmodic composition which comprises extracting fat from the urine of a liver-bearing animal by means of a solvent for the fat that is not soluble in the urine, evaporating the defatted urine at least nearly to dryness, dissolving the residue in an organic solvent mixture therefor, the solvent mixture containing a water soluble alcohol and a water insoluble organic liquid that is a solvent for urobilinogen, mixing water with the resulting solution, the result being two phases, one containing most of the water and alcohol and the other the said water insoluble liquid, separating the water and alcohol phase from the other without change of state, and then evaporating the water and alcohol phase and crystallizing therefrom a crystalline water soluble material of melting point about 123–4° C.

2,461,922
ANTIBIOTIC EXTRACTION FROM SOLIDS OF ACTINOMYCES GRISEUS CULTURE
Geoffrey W. Rake, Milltown, and Walter L. Koerber, Kingston, N. J., and Richard Donovick, New York, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application April 5, 1945, Serial No. 586,824
11 Claims. (Cl. 195—80)

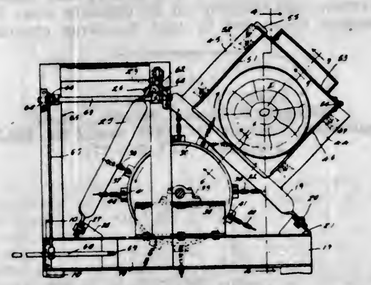
1. The method of producing an antibiotic substance comprising culturing *Actinomyces griseus* to produce streptomycin, subjecting the solids of the culture to extraction with an aqueous acid, and recovering the antibiotic substance in the extract.

2,461,923
APPARATUS FOR MEASURING HIGH RESISTANCE
Joseph Rasek, Llanerch, Pa., assignor, by mesne assignments, to Oliver W. Storey, Wheaton, Ill., as trustee, for the partnership of O. W. Storey & Associates, Chicago, Ill.
Application September 13, 1944, Serial No. 553,943
6 Claims. (Cl. 175—183)



1. Means for measuring the value of an unknown resistance comprising, in combination, a vacuum tube having a cathode, a plate, and a grid, a plate circuit for said tube including means for indicating the value of current therein, a plurality of grid circuits for said tube in parallel relationship to each other and being independently connectable into operative relationship, the first of said grid circuits comprising adjustable means for biasing said grid negatively a predetermined amount with respect to said cathode, means for inserting in said first grid circuit in series with said first grid biasing means a source of additional negative grid bias of known value and said resistance of unknown value, the second of said grid circuits comprising two adjustable grid biasing members and a resistance of known value connected in series, the polarity of said two grid biasing members being reversed with respect to each other, and means for measuring the voltage across the one of said grid biasing members having a polarity such as to increase the positive potential of said grid.

2,461,924
IMPACT TYPE LOG PEELER
Charles J. Robertson, Hattiesburg, Miss.
Application November 27, 1945, Serial No. 631,025
4 Claims. (Cl. 144—208)



1. A machine for removing the bark from rotating, horizontally positioned and axially advancing logs comprising a base, a plurality of spaced inverted V-shaped log supporting and log feeding members pivotally connected to said base and located at one side of a log being debarked, each inverted V-shaped member lying in a tilted

plane which is intersected by the longitudinal

roof portion, said casing having on its front side

from margins of the base with end portions of the side walls bearing against side edges of the

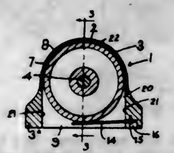
and lower rings to adjust their rotative position, a dial plate located inside said rings in substan-

plane which is intersected by the longitudinal axis of the log and which is tilted about an axis containing said pivotal connection and in the direction the log advances, one leg of each inverted V-shaped member being engageable with the periphery of said log to axially feed said log, means mounted on said legs to retain the log in contact therewith; a rotatable member mounted on said base and positioned beneath said inverted V-shaped members and within the angle formed thereby, flexible debarking members mounted on said rotatable member and swingable between said V-shaped members to pound the bark and thereby rotate the log; an elongated member mounted on said base and connecting the apexes of said inverted V-shaped members, and means to move said elongated member in the direction of its longitudinal axis, thereby to vary the tilt of each inverted V-shaped member and consequently to vary the speed at which said log advances while being rotated by impacts from said debarking members.

2,461,925
SELF-PRIMING CENTRIFUGAL PUMP
Herbert E. Rupp, Mansfield, Ohio, assignor to The Gorman-Rupp Company, Mansfield, Ohio, a corporation of Ohio
Application September 5, 1946, Serial No. 694,930
11 Claims. (Cl. 103—113)

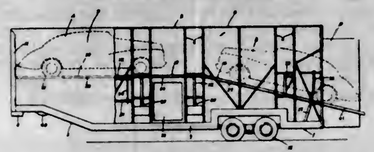
1. A self-priming centrifugal pump having an impeller chamber, an intake connected to said impeller chamber, a rotatable impeller mounted in said impeller chamber, a discharge chamber, a cut-off at one side of said impeller chamber and related to the orbit of said impeller, and an arcuate wall in said impeller chamber on the output side of said impeller and in the plane thereof, said wall being spaced from the orbit of said impeller and the adjacent end wall of said impeller chamber and forming on its opposite sides flow passages connected to said discharge chamber.

2,461,926
EDUCATIONAL DEVICE
Winfield P. Russell, Malden, Mass.
Application February 18, 1946, Serial No. 648,365
3 Claims. (Cl. 35—77)



1. An educational device comprising a casing having a flat bottom, a semi-cylindrical upper portion and closed ends, said casing being provided with an interior chamber having vertical sides and ends, and also having a semi-cylindrical roof portion, said casing having on its front side a reading slot extending from one end to the other of said chamber, a supporting shaft extending from one end of said chamber to the other and situated axially of the semi-cylindrical roof portion of the chamber, a plurality of rolls mounted on said shaft for rotative movement thereabout, said rolls being entirely enclosed within the chamber and each roll having on its periphery a plurality of indicia, any one of which can be brought into register with the reading slot by turning said roll on its axis, said casing having on its rear side a plurality of separate elongated finger openings, one for each roll, into each of which finger openings a person may insert his finger to turn the corresponding roll, thereby to bring any one of the indicia thereon into register with the reading slot.

2,461,927
AUTOMOBILE TRANSPORT VAN
Alvin J. Schaldach and Virgil A. Blackburn, Sacramento, Calif.
Application January 10, 1947, Serial No. 721,250
3 Claims. (Cl. 296—1)

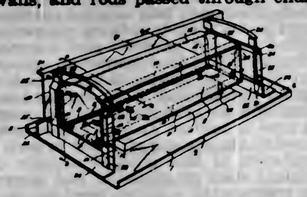


3. A vehicle transport van comprising an elongated wheel supported main frame having an upwardly offset portion adjacent its forward end, an enclosed body on said main frame, a lower vehicle deck and an upper vehicle deck disposed within the body, the lower deck comprising a runway section extending the full length of the main frame, including the front upwardly offset portion thereof, the length of such runway being such as to accommodate two vehicles end to end, the upper deck comprising a rear runway section, an intermediate runway section, a drop runway section, and a front runway section, the front runway section being disposed adjacent the front end of the body, and the drop runway section being disposed between the front runway section and the intermediate runway section and being of such a length that a vehicle with its wheels on the first part and intermediate runway sections, respectively, will substantially straddle the drop runway section, the latter being collapsible whereby to leave the space between the wheels of such vehicle clear, the relative heights of the upper and lower runways being such that the top of a vehicle on the lower deck with its front wheels on the upwardly offset portion thereof will project into such clear space.

2,461,928
EXTERIOR FORM FOR USE IN MOLDING BURIAL VAULTS AND THE LIKE
John S. Schopf, Spokane, Wash.
Application February 24, 1945, Serial No. 579,524
3 Claims. (Cl. 25—130)

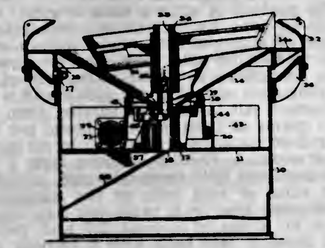
1. A mold of the character described including an outer form comprising a base and side walls and front and rear end walls resting thereon, the front end wall being formed with an opening for receiving an end of an inner form, said walls having outstanding flanges along their lower ends engaging upstanding abutments carried by the base and holding the walls spaced

from margins of the base with end portions of the side walls bearing against side edges of the end walls, and rods passed through ends of the



side walls and across outer surfaces of the end walls to releasably hold the walls in engagement with each other.

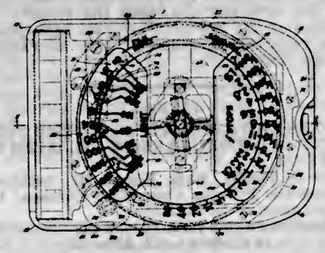
2,461,929
DOUGH ROUNDER
Charles B. Seem, Beacon, N. Y., assignor to Dutchess Tool Company, Inc., Beacon, N. Y., a corporation of New York
Application August 10, 1944, Serial No. 548,865
6 Claims. (Cl. 107—9)



3. In a dough rounding machine, a base, an inverted conical member rotatable on said base, a spiral trough member mounted in fixed position adjacent the inner surface of the cone and forming in conjunction with the cone a spiral trough for advancing successive lumps of dough upwardly and outwardly of said surface, said lumps being discharged from the inner surface of the cone at the upper, outer edge thereof and said cone having an opening located centrally thereof to which scraps of dough are directed by gravity from the inner surface of said cone, and an inclined chute within said base having its upper end in registry with the opening in the cone.

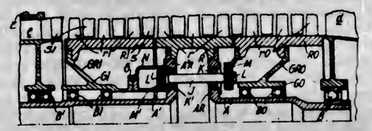
2,461,930
EXPOSURE METER HAVING COORDINATED METER POINTER AND CALCULATING DISK
Ray Simpson, River Forest, Ill., assignor to Simpson Electric Company, Chicago, Ill., a corporation of Illinois
Application April 26, 1946, Serial No. 665,069
6 Claims. (Cl. 88—23)

1. In an exposure meter, the combination of a molded insulating housing having rear walls, side walls and an end wall and open at its front side and at one end, said housing being formed with an annular recess bounded by a cylindrical surface and an adjacent plane surface at its open front side, a calculator assembly comprising an upper ring and a lower ring, the said rings being arranged one above the other for rotation in said recess, guide means carried by said housing for engaging the upper ring and holding the rings in said recess, driving means for rotating the upper and lower rings to adjust their rotative position, a dial plate located inside said rings in substantially the same plane, and having a central aperture, an electrical instrument movement located inside said central aperture and having a pointer passing through said aperture with its pointer end above said dial plate, said dial plate having a first portion of its face adjacent its periphery provided with scale divisions and with stop indicia, and having a second portion provided with scale divisions and light intensity indicia, the pointer



end being located to move above the latter indicia, a first portion of the face of the upper ring being provided with scale divisions and time unit indicia for registry with the said stop indicia scale divisons on the dial plate, and the second portion of the face of said upper ring being provided with scale divisions and film index indicia, for registry with the light intensity scale divisions on the dial plate, and cover means for said housing for enclosing said exposure meter and including transparent parts for exposing said pointer and the parts of said rings and dial which bear indicia.

2,461,931
MULTISTAGE COMPRESSOR
David MacLeish Smith, Stretford, Manchester, and Charles Graham Lloyd, Baguley, England, assignors to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application April 6, 1944, Serial No. 529,798
In Great Britain January 4, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires January 4, 1963
8 Claims. (Cl. 230—114)



1. A multi-stage compressor comprising two relatively rotatable elements, a plurality of rows of blades attached to one of said elements, including one row disposed intermediately of two end rows, a row of blades fixed to the other element to co-operate with said intermediately-disposed row of blades in providing an intermediate stage of compression, a row of blades having means for rotatably mounting them relatively to said other element to co-operate with one of said end rows of blades in providing a low-pressure stage of compression, and a row of blades having means for rotatably mounting them relatively to said other element to co-operate with

the other said end row of blades in providing

nation of said minor portion with said free oxygen

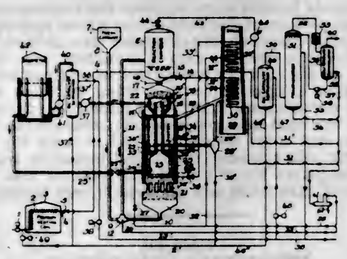
the other said end row of blades in providing a high-pressure stage of compression, and means including gearing having means fixed to the blades which are fixed to said other element for supporting said gearing for rotation on an axis eccentric to the axis of relative rotation of said elements, and gears connected respectively to said rotatably mounted blades of the low-pressure and high-pressure stages and meshing with said gearing whereby blades of the low-pressure and high-pressure stages are differentially interconnected blades of the intermediate-pressure stage for inversely changing the relative blade velocities of the low-pressure and high-pressure stages relatively to that of the intermediate-pressure stage.

2,461,932

PROCESS AND APPARATUS FOR THE TREATMENT OF HYDROCARBON OIL WITH CATALYSTS

Arthur D. Smith, Park Ridge, Ill., assignor to Adsorptive Process Company, Chicago, Ill., a corporation of Nevada

Application January 19, 1946, Serial No. 642,388
10 Claims. (Cl. 196—52)



1. A process for the catalytic conversion of hydrocarbons which comprises: introducing to a conversion zone a stream of fluid hydrocarbon preheated to a transforming temperature and a second stream of fluid hydrocarbon containing dispersed catalyst particles impregnated with metallic oxide, effecting upon commingle ment of said streams conversion of a portion of said fluid hydrocarbon into gasoline of high anti-knock value and another portion into carbon with concomitant adsorption of said carbon by said catalyst particles which thereby become spent, releasing converted and unconverted hydrocarbon vapor from said conversion zone to an oil-catalyst separation zone and freeing therein said vapor from entrained catalyst particles dispersed as an oil-catalyst slurry in a stream of wash hydrocarbon oil, conducting the washed vapor to a fractionation zone and discharging therefrom said gasoline of high anti-knock value as a vapor and recycle oil as a liquid, condensing the gasoline vapor to liquid gasoline and returning recycle oil to the oil-catalyst separation zone as said wash oil, commingling the oil-catalyst slurry with the first mentioned stream of fluid hydrocarbon; flowing said spent catalyst particles coated with adsorbed carbon from said conversion zone through a decarbonizing zone in contact with superheated steam commingled with a free oxygen-containing gas wherein such oxygen obtains in only sufficient quantity to combine with a predetermined minor portion of said adsorbed carbon, respectively effecting in said contact combination of said minor portion with said free oxygen and metathesis between the major portion of said adsorbed carbon and said steam, concurrently with decarbonization of said catalyst particles reducing said metallic oxide with co-production of decarbonized catalyst particles and a combustible gas comprising carbon monoxide, carbon dioxide and hydrogen; flowing decarbonized catalyst particles impregnated with reduced metallic oxide from said decarbonizing zone through an oxidizing zone in contact with a superheated free oxygen-containing gas and effecting in such contact reoxidation of said reduced metallic oxide to its original state of oxidation and dispersing the thus regenerated catalyst particles in said stream of fluid hydrocarbon with introduction thereof to said conversion zone in the manner aforesaid.

2,461,933

RHODIUM ALLOY COATINGS AND METHOD OF MAKING SAME

Paul T. Smith, Esmond, and Joseph A. Smith, Cranston, R. I.

No Drawing. Application December 24, 1947, Serial No. 793,756
7 Claims. (Cl. 29—194)

1. The method of alloy plating a metal article with an alloy having the characteristics of the metal of higher atomic weight therein, comprising, immersing said article in an aqueous solution containing a soluble metal salt of the group consisting of nickel and cobalt and a soluble rhodium salt in amounts varying from 3.55 to 13.72 grams of total dissolved metal per liter by weight of metal in proportions by weight of nickel or cobalt to rhodium varying from 8 to 1 to 33.3 to 1 and free inorganic acid, adjusting the pH value of said bath by the addition of free inorganic acid to a value not less than 1 and not in excess of around 1.7 and passing current through said bath with a cathode current density from about 40 to about 96 amperes per square foot and at a temperature from about 120° F. to about 150° F. to cause alloy plating of a metal alloy on said article with an alloy plate containing from 62–38 to 98.3–1.7% by weight of the respective metals.

2. An article having a tarnishable metal body, a wear resistant coating of tarnish resistant substantially white metal of at least one of the group consisting of nickel and cobalt over the body and an acid resistant, tarnish resistant, bright, hard, substantially white electrodeposited outer alloy coating consisting essentially of 95.4–98.3% by weight of metal of at least one of the group consisting of nickel and cobalt and 4.6–1.7% by weight of rhodium having characteristics of the metal of higher atomic weight, namely rhodium, therein.

2,461,934

BARRETTE

Nathan L. Solomon, Englewood, N. J.

Application April 18, 1945, Serial No. 588,914
12 Claims. (Cl. 132—48)

1. In a barrette, a support having an integral hook-shaped keeper on one surface and adjacent one end thereof, said support having a short channel at the other end thereof, the inner end

of the channel having a stop wall, the other outer end of the channel being open, an elongated clasp comprising a jaw, a claw integrally joining the jaw in an inwardly curved portion at one end of the jaw, said claw being force fitted within the walls of said channel in retaining the clasp against displacement from said support, and said jaw and keeper having cooperating means for retaining the jaw against displacement from said keeper.

2,461,935

INSULATED ELECTRICAL RESISTANCES

John Stockdale, Clent, and Donald Eric Rison, Acocks Green, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 19, 1944, Serial No. 545,742. In Great Britain August 14, 1943
6 Claims. (Cl. 201—76)

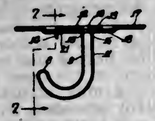
1. The method of coating electrical resistances with an insulating oxide layer which comprises depositing on a resistance material made of a nickel-chromium alloy a substantially unoxidised surface layer of nickel, subjecting said material with said deposited surface layer to a diffusion treatment by heating in a substantially non-oxidising atmosphere to obtain diffusion, and thereafter oxidising said deposited surface layer by heating in an oxidising atmosphere.

2,461,936

MOUNTING FOR HOOKS AND THE LIKE

Roy A. Stone, Rockford, Ill., assignor to National Lock Company, Rockford, Ill., a corporation of Delaware

Application June 6, 1945, Serial No. 597,803
4 Claims. (Cl. 248—220)



1. An article adapted to be mounted on a member having a pair of apertures of predetermined dimensions and spaced a predetermined distance apart, comprising, a resilient sheet metal strip formed to provide a utility body portion and a pair of resilient legs extending in substantially the same general direction, each of said legs, at places spaced substantially equal distances from its free end, having a pair of oppositely directed shoulders adapted to engage one surface of said member adjacent to opposite margins of one aperture, said shoulders extending from the side edges of the legs in substantially parallel relationship to one another, each of said legs from its shoulders to its free end providing an extension and being of a width, measured parallel to its shoulders, substantially equal to and not greater than the dimension of said aperture measured between said margins thereof, each leg extension being formed with a part extending away from the other leg substantially at a right angle and at a place spaced from its shoulders a distance substantially equal to the thickness of said member adjacent to said aperture thereby to lie closely adjacent to the other surface of said member, one of said leg extensions being formed with an angular part at its free end for disposal in the other aperture when its first said part lies closely adjacent to said other surface of said member.

619 O. G.—52

2,461,937

DEGASSING AND GRAIN REFINING OF MAGNESIUM

Kessy Strauss, Birmingham, England, assignor to Foundry Services Limited, Birmingham, England, a British company

No Drawing. Application January 7, 1947, Serial No. 720,687. In Great Britain January 9, 1946
1 Claim. (Cl. 75—67)

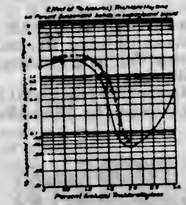
The process of treating magnesium and magnesium alloys in molten state for degassing and refining the same, which consists in introducing into the melt about 20% by weight of sodium silico fluoride as an addition to hexachloroethane forming the remainder of a composition in substantially solid, compressed tablet form, and allowing said sodium silico fluoride to give off silico fluoride gas within the melt while sodium fluoride forms a residue and constitutes a protective layer around hexachloroethane crystals until the latter have completely vaporized within said melt.

2,461,938

METHOD OF CLARIFYING MASH

Alfred J. Strohmaier, Louisville, Ky., and Clifton L. Lovell, West Lafayette, Ind., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky., a corporation of Indiana

Application November 16, 1944, Serial No. 563,784
15 Claims. (Cl. 210—42.5)



1. A method of clarifying a hydrolized grain mash solution wherein the apparent specific gravity of the mash solids is increased to facilitate the mechanical separation of the solids from the liquids, comprising: dispersing in the mash a halogenated hydrocarbon, having a specific gravity greater than water, to increase the apparent specific gravity of the solids under operating conditions in which the halogenated hydrocarbon remains in liquid form; and thereafter mechanically separating the liquids from the solids.

2,461,939

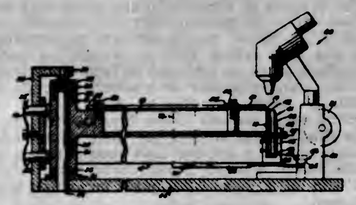
OPTICAL INSPECTION APPARATUS FOR USE IN INSPECTING POTENTIOMETER CARDS

John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 6, 1945, Serial No. 597,768
6 Claims. (Cl. 88—14)

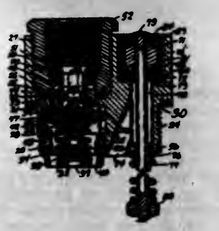
1. An inspection apparatus comprising a base, a movable member for supporting a potentiometer card thereon, means mounting said member on said base for movement in a predetermined path, a gage member on said card supporting member for positioning said card with the edge thereof in a predetermined position on said movable card supporting member and parallel to the path of movement of said card supporting member, holders for holding said card in position on said card supporting member, a stationary optical

inspection device mounted on said base adjacent the path of movement of said card supporting member for use in inspecting said card, a strand having one end thereof attached to said card supporting member, yieldable means carried by said card supporting member for receiving the other end of said strand in spaced relation to said one end to maintain said strand in taut condition on



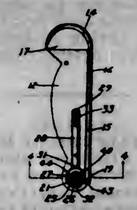
said card supporting member, and a capstan encircled in operative engagement by the intermediate portion of said strand, said capstan being rotatable for moving said strand to effect a movement of said card supporting member in said predetermined path to move successive portions of the edge of said card into the field of said optical device.

2,461,940
LIQUEFIED PETROLEUM GAS SYSTEM
Savin L. Sundstrom, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application March 29, 1944, Serial No. 528,605
10 Claims. (Cl. 284—19)



1. A fitting for handling liquefied petroleum gas between a detachable connector nipple and a storage tank comprising a body having a passage therethrough divided into upper and lower compartments by a shoulder having an opening therein, a valve support received in the lower compartment, a valve member carried by the support, means resiliently urging said valve member towards said shoulder, said shoulder and valve member cooperating to form a valve, a valve disc carried by the valve and removable through said opening, a removable retainer element for the valve disc extending into the upper compartment, a connector element removably received in the upper compartment and having a valve seat cooperating with said valve disc to form a valve, and resilient means carried by the retainer element to establish a seal with said nipple before movement of the nipple opens the last mentioned valve, said resilient means being carried into sealing contact with said connector element as the nipple moves the valve to its open position.

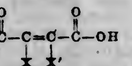
2,461,941
FOLDING GAFF
Robert W. Sutton, Milwaukie, Oreg.
Application April 15, 1946, Serial No. 662,268
1 Claim. (Cl. 43—5)



A folding gaff comprising a pair of similar, elongated, cooperating members forming a handle having an enlarged end, facing portions of each of said members being cut away to form a longitudinal groove in one edge of said handle extending the full length thereof and a recess in said enlarged end communicating with said groove, a stud securing said members together at one end opposite said enlarged end, the facing surface portions of said handle members having aligned cooperating recesses about said stud, a drum rotatably mounted on said stud and arranged within said last mentioned recesses in said members, a hook unit including a shank portion and a recurvate hook portion, the end of said shank portion being secured tangentially to said drum and being pivotally movable about said stud between open and closed positions, the end of said shank portion defining a stop for engaging said handle in the open position of said hook, said shank and hook portions of said hook unit being received in said groove and said recess in said enlarged end in the closed condition of said hook unit, facing surfaces of said handle members having aligned grooves adjacent said drum, a detent arranged within said aligned grooves, said drum having notches for engagement by said detent in the open and closed positions of said hook unit, actuating means secured to said detent extending from each of the opposite sides of said handle whereby said detent may be disengaged from said drum, and spring means arranged within said drum biasing said hook unit to open position.

2,461,942
VINYL CHLORIDE-ALKYL ESTER OF UNSATURATED DICARBOXYLIC ACID COPOLYMER SPONGE COMPOSITION
Walter T. L. Ten Broeck, Jr., Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application July 23, 1946, Serial No. 685,783
4 Claims. (Cl. 260—30.6)

1. A light weight, soft and elastic sponge composition comprised of a copolymer of 2% to 25% of an alkyl ester of an acid having the structural formula



in which X and X' are an atom of the group consisting of hydrogen and chlorine, and 75% to 98% of vinyl chloride, and containing 50% to 150% (based on the weight of the copolymer) of a liquid plasticizer which is a solvent for the copolymer, the sponge having gas filled cells dispersed therein.

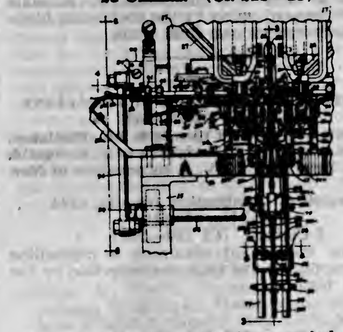
2,461,943
ALPHA,BETA-UNSATURATED GUANAMINES
Jack Theo Thurston, Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 30, 1941, Serial No. 409,123
13 Claims. (Cl. 260—249.5)

1. Substituted guanamines having the following general formula:

R—Vin—G

in which G is a guanamine radical with a free valence on the 2 carbon atom of the triazine ring, Vin is a vinyl group, and R is an aliphatic radical connected to one carbon atom of the vinyl group by carbon to carbon bond, the other carbon atom of the vinyl group being connected to the 2 carbon atom of the guanamine radical by carbon to carbon bond.

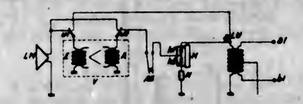
2,461,944
MACHINE FOR FORMING AND JOINING SNAP FASTENER TAPES
Jacob P. Treciokas, Oakville, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 23, 1945, Serial No. 624,065
23 Claims. (Cl. 218—18)



1. A machine for producing coupled snap fastener tapes, spaced fastener attaching devices each comprising an anvil and a plunger movable toward and from the anvil, means including tension devices for guiding a pair of tapes between said anvils and plungers, means for intermittently and collectively feeding the tapes to bring predetermined widely spaced sections of the tapes in alinement with said plungers for attachment of fasteners to said widely spaced sections of the tapes, the fastener of one tape being adapted for coupling engagement with the fastener of the other tape, means guiding the tapes into face to face relationship to each other, and means for coupling the fasteners of said tapes to unite the tapes face to face.

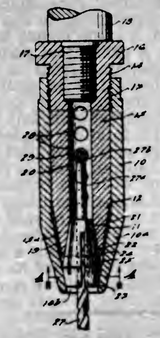
2,461,945
RECEIVER CONNECTION IN ELECTRO-ACOUSTIC DUPLEX SYSTEM
Otto Tschumi, Soleure, Switzerland, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland, a joint-stock company of Switzerland
Application January 20, 1945, Serial No. 573,691
In Switzerland November 3, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires November 3, 1963
2 Claims. (Cl. 179—1)

1. In an electro-acoustic circuit, the combination with a transducer, an amplifier having an input and an output, a telephone receiver having a winding, a transformer for coupling the transducer circuit to an outside line and switching means connecting the transducer alternately to the input of said amplifier for transmission and to the output for reception of a signal, of a balance circuit, means including said switching means connecting the input of the amplifier with said transformer when said switching means is in position for reception of a signal by the transducer, and means including said switching means connecting the output of said amplifier with the midpoint of the winding of said receiver when



said switching means is in position for transmission of a signal by the transducer, one end of said winding being connected with one terminal of one of the windings of said transformer and the other end being connected through said balance circuit with the other terminal of said transformer winding, the impedance of said balance circuit being substantially identical with the effective impedance of said transformer winding whereby output current from the amplifier is divided substantially equally between the two halves of the winding of the telephone receiver and flows in opposite directions through said halves.

2,461,946
TOOLHOLDER
Peter J. Ulick, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 17, 1945, Serial No. 594,356
4 Claims. (Cl. 279—56)



1. A holding device for a drill or other tool, comprising outer and inner tubular members having a threaded connection therebetween for relatively shifting the members endwise, the outer member projecting beyond the inner member, a contractible collet, said members having internal reversely tapered portions adapted to embrace and engage reversely formed externally tapered portions of the collet and operative simultaneously to contract the collet to grip the tool when said members are screwed together, said inner member having a longitudinal bore to receive the tool and a plurality of transverse holes intersecting the central longitudinal axis thereof, and a

4. The method of preparing a compound selected from the group which consists of 2-amino-

two normally open switches in the control circuit, means for closing one of the switches in the

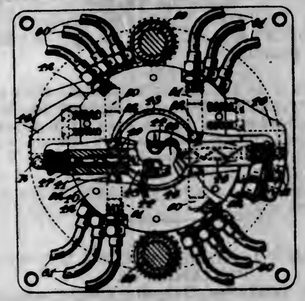
pin insertable into any one of said holes and recessed to receive the terminal end of the tool and held in position by the outer member against withdrawal.

2,461,947
UNDERCUTTING TOOL
Louis Weber, Jacksonville, Fla., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application September 27, 1945, Serial No. 618,954
5 Claims. (Cl. 77—58)

1. Means for undercutting a hole having a side wall area and an inverted cone-shaped bottom area comprising a flexible rotary shaft adapted for drive rotation with one end coupled to a rotatable driving device and the other end provided with a cutter having a cutting edge and a coaxial tapered point shaped to effect a nested position with the inverted cone-shaped bottom of the drill hole on completion of the undercutting cycle of operation, a guide means for said rotary shaft comprising a cylindrical body and a concentric collar depending from said body, said body and collar being formed with an eccentric bore adapted to accommodate said shaft, said bore being of a diameter sufficient to permit the flexing of the shaft to effect angled engagement of the cutting edge with the sidewall area during movement of the tapered point of the cutter into nested engagement with the bottom of the drill hole, the length of said cutter being substantially equal to the outer diameter of said collar whereby a portion of the cutter extends beyond the periphery of said collar during a portion of its cycle and during the balance of its cycle lies entirely within the cross sectional area defined by said collar.

2,461,948
HONING OR THE LIKE MACHINE
Frederick William Whitehead and William George Lovering, Bristol, England, assignors to The Bristol Aeroplane Company Limited, Bristol, England, a British company
Application September 25, 1945, Serial No. 618,482
In Great Britain October 9, 1944
4 Claims. (Cl. 51—157)

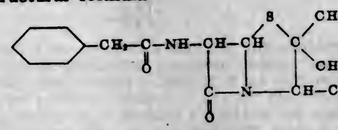
1. A honing or the like machine for blades having a curved surface upon which lie coincident lines as hereinbefore defined comprising a carrier for the blade, means to oscillate the carrier about an axis approximating to the centre of curvature of the blade, an abrading element to engage the blade along a coincident line only, a first and second support for the abrading element whereby the latter is pivotally mounted for movement towards and away from the blade about an axis parrallel with the axis of oscillation of the blade and about an axis normal to



said pivotal axis for tilting movements relatively to a coincident line on the blade and means for resiliently holding the abrading element against the blade so that it is independently movable about each support solely by the oscillating blade which determines its own final shape.

2,461,949
METHOD OF OBTAINING A CRYSTALLINE SODIUM PENICILLIN
Oskar Wintersteiner and Harold B. MacPhillamy, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application June 13, 1944, Serial No. 540,140
2 Claims. (Cl. 260—302)

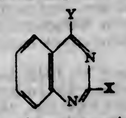
1. In the method of obtaining a crystalline sodium-pencillin of the type characterized by the structural formula



the step of crystallizing an amorphous, high-potency sodium-pencillin of such type from a water-containing primary lower-aliphatic alcohol of 3–6 carbon atoms.

2,461,950
2 OR 4-AMINO QUINAZOLINES
Frank J. Wolf, Westfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application January 18, 1946, Serial No. 642,129
7 Claims. (Cl. 260—250)

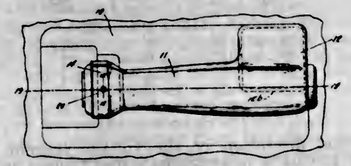
1. A compound having the formula:



where X and Y each represent a substituent selected from the group which consists of hydrogen and NH_2, the substituents being different.

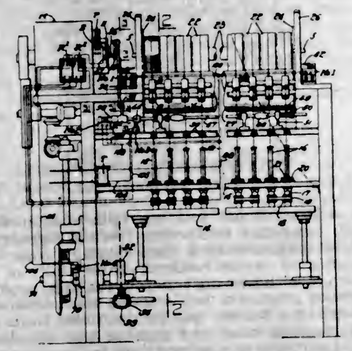
4. The method of preparing a compound selected from the group which consists of 2-aminoquinazoline and 4-aminoquinazoline, which comprises reacting a compound selected from the group which consists of 2-haloquinazoline and 4-haloquinazoline with alcoholic ammonia.

2,461,951
SEWING MACHINE
Norman Wennacott, Scarsdale, and Clarence R. Backlin, Floral Park North, N. Y., assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y., a corporation of New York
Application July 17, 1945, Serial No. 605,516
3 Claims. (Cl. 112—258)



1. A sewing machine frame for carrying sewing and feeding means, comprising a rectangular base for supporting work being sewn; a post projecting upwardly from the base within the outline of the latter; and an overhanging arm carried by the upper portion of the post with the longitudinal axis of the arm parallel to the base and lying in a vertical plane perpendicular to the line of feed and passing through the point of sewing and extending longitudinally of the base, said post extending upwardly and forwardly and having substantially all of the lower portion adjacent the base located behind said plane thereby eliminating the post as an obstacle ahead of the point of sewing for bringing in new work.

2,461,952
RING SPINNING FRAME
Arthur A. Worth, Penobscot, and Harold S. Adams, Skowhegan, Maine, assignors to American Woolen Company, New York, N. Y., a corporation of Massachusetts
Application November 19, 1946, Serial No. 710,806
7 Claims. (Cl. 57—79)



1. In a ring spinning frame which has a builder motion which traverses the ring rail and the spindle rail with respect to each other, the combination of a power circuit, an electrically operated switch in the power circuit, a control circuit, two normally open switches in the control circuit, means for closing one of the switches in the control circuit, and means timed with the traverse mechanism and acting after the closing of the other of the switches in the control circuit to complete the control circuit and open the switch in the power circuit thereby stopping the machine when a predetermined point in the traverse is reached.

2,461,953
COMPOUNDING COPOLYMERS OF BUTADIENE AND STYRENE
Ernest G. Bargmeyer, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1944, Serial No. 531,989
5 Claims. (Cl. 260—79.5)

1. A method which comprises heating an uncured butadiene-1,3-styrene copolymer rubber mix with a fraction of the amount of sulfur required to provide an optimum cure and for a time, sufficient to slightly cure the copolymer rubber and then masticating the mix containing the copolymer combined with sulfur to a plastic condition suitable for the addition of further sulfur sufficient to provide an optimum cure to a soft vulcanized state, and thereafter adding such additional sulfur, and vulcanizing to a soft vulanized state.

2,461,954
MANUFACTURE OF BUTADIENE-STYRENE COPOLYMER CEMENTS
Ernest G. Bargmeyer, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1944, Serial No. 531,990
5 Claims. (Cl. 260—29.1)

1. A method of preparing an improved adhesive cement from an uncured 1,3-butadiene-styrene copolymer rubber which comprises mixing the uncured copolymer rubber with a small fraction of the predetermined total amount of sulphur needed for curing the copolymer rubber of the final cement, but less than 0.5 part per 100 parts by weight of the copolymer, to a soft vulcanized state, said fraction being sufficient to give said copolymer a slight precure, and heating the mix sufficiently to slightly precure the copolymer, then mixing the slightly precured copolymer rubber with the remainder of the sulfur, and dissolving the mix in an organic solvent to produce the cement.

2,461,955
NO-DRAFT VENTILATING WINDOW FOR AUTOMOBILES
Stuart C. Barnes, Detroit, Mich.
Application May 30, 1945, Serial No. 596,750
4 Claims. (Cl. 296—44)

2. In an automobile body having a sharply inclined windshield pillar, a door or body portion having a correspondingly sharply rearwardly inclined complementary front post and an adjoining window opening, a three-panel closure for said opening comprising a forward stationary triangular glass panel having a substantially vertical rear edge closing the lower forward portion of the window opening, a swinging glass panel immediately to the rear of said stationary panel with substantially vertical rear and front lower edge portions and in the plane thereof when closed, said glass panel pivoted to swing in a substantially horizontal direction on a substantially

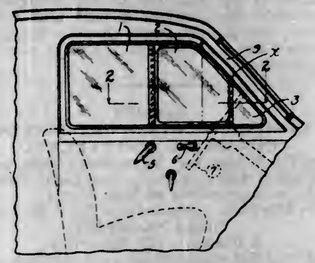
vertical axis, said panel having a section of sub-

pair of interconnected coils positioned, one on

catalyst particles therein, withdrawing spent ca-

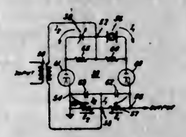
acting the product with an esterifying agent said
small amount of said oil-soluble metal salt being

vertical axis, said panel having a section of substantially greater area to the rear of the pivots than the section forward of the pivots, and a substantially vertically sliding panel to the rear



and in the plane of the swinging panel when the latter is closed and completing the closure of the window opening, said movable panels being adjustable to various positions in their movement to control the ventilation into the car.

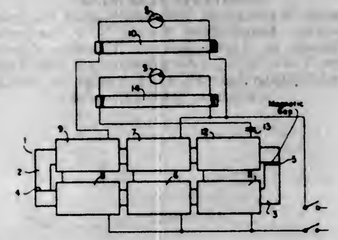
2,461,956
FREQUENCY RESPONSE CIRCUITS
Robert W. Beckwith, Syracuse, N. Y., assignor to General Electric Company, a corporation of New York
Application October 10, 1946, Serial No. 702,377
4 Claims. (Cl. 250—27)



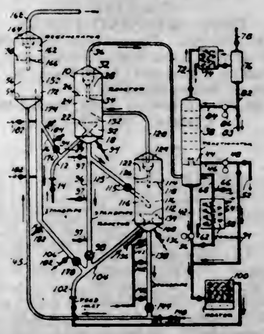
1. In apparatus for discriminating between waves of two different frequencies, the combination of a pair of input terminals to which said waves are supplied, a pair of parallel current paths between said terminals, each path including a rectifying device and a load impedance adapted to have unidirectional potentials developed thereon in response to said waves, each path also serially including a current controlling element, one element being a piezo-electric crystal exhibiting series resonance and parallel resonance near said two frequencies respectively and substantially pure capacity reactance above and below said frequencies, the other element being a capacity, output means responsive to the difference between potentials developed across said load impedances, said capacity being adjusted to impress minimum resultant output potential on said output means at frequencies for which said crystal exhibits substantially pure capacity reactance.

2,461,957
TRANSFORMER
Paul Berger, Chicago, Ill., assignor, by mesne assignments, of one-half to Hirsh Epstein and one-half to Louis R. Duman
Application January 26, 1946, Serial No. 643,663
8 Claims. (Cl. 323—44)

1. A transformer for operating a plurality of separately operable glow discharge tubes with leading and lagging currents respectively, said transformer comprising an elongated core having parallel side legs, a primary comprising a pair of interconnected coils positioned, one on each leg of said core, and a pair of secondaries, each secondary comprising a pair of interconnected coils positioned on the legs of the core, each of said secondaries being connected to the primary to form an auto-transformer, the spacing between the secondaries being sufficient to inhibit leakage flux of one secondary from affecting the other secondary to produce any substantial alteration of the voltage therein, the core having a non-magnetic gap therein in the circuit of the primary magnetizing flux that passes through both secondaries and adjacent only one of the pairs of interconnected secondaries, thereby forming a high magnetic reluctance passageway in the magnetic circuit of the leakage flux of only one of said pairs of interconnected secondary coils to prevent saturation of said magnetic circuit.



2,461,958
TREATING HYDROCARBON FLUIDS
Leonard S. Bonnell, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 14, 1944, Serial No. 568,128
4 Claims. (Cl. 196—52)

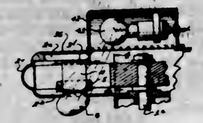


1. A process for treating hydrocarbon fluids which comprises contacting freshly regenerated catalyst particles in a first reaction zone with charging oil vapors consisting essentially of virgin stock, withdrawing vaporous reaction products overhead from said first reaction zone, separately withdrawing fouled catalyst particles from said first reaction zone and passing the withdrawn fouled particles to a second reaction zone wherein they are contacted with oil vapors of a higher coking nature than the charging oil, passing the total vaporous reaction products from said second reaction zone into said first reaction zone for further contact with the freshly regenerated catalyst particles therein, withdrawing spent catalyst particles from said second reaction zone, regenerating them and returning them to said first reaction zone.

2,461,959
CATALYTIC HYDROGENATION OF TRIISOBUTYLENE
Richard C. Brandon, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 15, 1946, Serial No. 677,093
1 Claim. (Cl. 260—683.6)

In a continuous process of producing high antiknock aviation fuel from a sulfur-contaminated triisobutylene, the improvement which comprises reacting the polymer with hydrogen at a temperature in the range of above about 200° F. but below about 600° F. during contact with a compact catalytic material of a hydrous alumina carrier having ultramicroscopic pores supporting 0.1 to 10% by weight of a finely-divided platinum group noble metal selected from the class consisting of platinum and palladium and continuously employing said catalyst for an extended period of time up to 100 hours or more without substantial loss of activity.

2,461,960
EGG CLEANING APPARATUS
Austin U. Bryant, Alameda, Calif.
Application July 13, 1945, Serial No. 604,766
9 Claims. (Cl. 51—109)

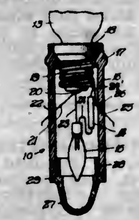


1. An egg cleaning apparatus, comprising a rotor mounted on a vertical axis and having radiating arms arranged in a plane substantially perpendicular to the axis of the rotation of the rotor, an abrasive means at the underside of the arms, an enclosure for the rotor, said enclosure having a window at the upper side, above the path of the abrasive means on the arms, and an opening at the underside below the window, an upright motor axially connected with said rotor, the housing of said motor forming the supporting pedestal for the apparatus, the enclosure being axially supported at the upper end of the motor housing.

2,461,961
LUBRICATING COMPOSITION
John F. Buckmann, Redondo Beach, and Loren L. Neff, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application December 29, 1945, Serial No. 638,464
14 Claims. (Cl. 252—32.7)

1. A lubricating composition consisting essentially of mineral lubricating oil and a small amount, sufficient to impart anti-corrosion properties to said oil, of an oil-soluble metal salt of an acidic reaction product obtained by reacting a lubricating oil fraction of petroleum with a compound of phosphorus of the class of phosphorus sulfides and phosphorus oxides at a temperature between about 200° F. and about 600° F. and reacting the product with an esterifying agent said small amount of said oil-soluble metal salt being sufficient to impart a phosphorus content of between about 0.01% and about 0.5% by weight.

2,461,962
TELLTALE LAMP SOCKET
Bernard E. Carlson, Chicago, Ill.
Application August 26, 1947, Serial No. 770,625
3 Claims. (Cl. 315—92)

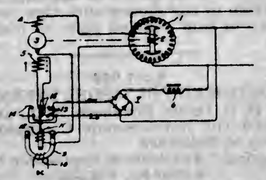


1. An indicator lamp socket assembly for series-connected lamp strings comprising a hollow tubular housing having a threaded, incandescent lamp socket fixedly connected to one end thereof, said socket including electrical terminals for a filament type lamp threaded therein, a resistance circuit including an electrically energizable visual indicating device disposed in the interior of said housing and electrically connected to said terminals, whereby to be in parallel with the filament of said lamp when the latter is operably mounted in said socket, said housing having a light transmissive area adjacent said indicating device for viewing the latter when energized, and a pair of leads extending through the side walls of said housing and electrically connected to said respective terminals.

2,461,963
RUBBER HYDROCHLORIDE FILM
La Verne E. Cheyney, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 23, 1945, Serial No. 624,086
2 Claims. (Cl. 260—735)

1. Rubber hydrochloride film plasticized with 15 parts dibutyl sebacate (based on the weight of the rubber hydrochloride) and 15 parts of methoxyethyl oleate.

2,461,964
REGULATOR CIRCUIT
Frederick E. Crever, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application May 11, 1946, Serial No. 669,204
6 Claims. (Cl. 322—24)



1. A regulating system for an electric generator having a field winding comprising, an exciter having a series field winding and connected to

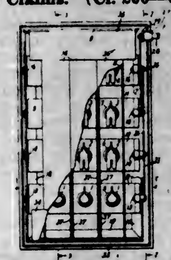
supply energizing current to said generator field

part of the rim and having square corner edges thereon, a second series of equally spaced lugs

2,461,971
ASPHALT WITH IMPROVED ADHESION PROPERTIES FOR AGGREGATES

supply energizing current to said generator field winding, a separately excited control field winding for said exciter, means responsive to a predetermined output voltage of said generator for supplying energizing unidirectional current to said control field winding to maintain said voltage output substantially constant, and relay means acting in response to the polarity of said series field winding to connect said control field winding so that the flux produced by said control field winding is maintained in opposition to the flux produced by said series field winding, said relay means ensuring opposition of the fluxes produced by said series field winding and by said control field winding for either polarity of the flux of said series field winding.

2,461,965
ELECTRIC SWITCH
William J. Cuthbertson, Pittsfield, and Le Roy S. Schell, Jr., Lenox, Mass., assignors to General Electric Company, a corporation of New York
Application July 23, 1945, Serial No. 606,490
6 Claims. (Cl. 200—6)

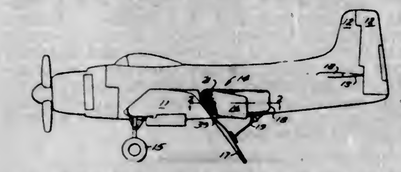


3. A multiple-pole multiple-contact interconnecting switch comprising four movable circuit controlling members having separate pivotal mounting axes in spaced alignment and each member having a contact thereon for engaging with a corresponding contact on each adjacent member, a link coupling two alternate members for simultaneous movement in the same direction, a link coupling the other two alternate members for simultaneous movement in the same direction, said members having the spacing between the axes thereof such that when one coupled pair of members is moved in one direction and the other coupled pair of members is moved in the opposite direction the contacts on the two intermediate members engage and when the movement of each pair is reversed the contact on each outside member engages the contact on the immediately adjacent intermediate member, and motion reversing mechanism interconnecting said coupled pairs of members and having an actuating element movable in one direction simultaneously to move said coupled pairs of members in opposite directions and movable in the reverse direction reversely to move each of said coupled pairs of members.

2,461,966
OXIDIZED POLYISOBUTYLENE
Garland H. B. Davis, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application September 16, 1944, Serial No. 554,542
3 Claims. (Cl. 260—94)

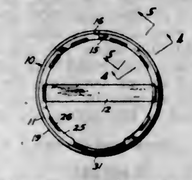
1. The process of oxidizing a polyisobutylene having a molecular weight within the range between 8,000 and 250,000, comprising the steps of treating the polyisobutylene with a mixture of more than 2 parts nitric acid, having a gravity of 1.4 and 1 part of sulphuric acid having a gravity of 1.7 at a temperature of approximately 240° F. for a substantial time interval to yield an oxidized polymer containing oxygen within the range of 1% to 28%, a nitrogen content less than 0.25%, having a molecular weight within the range between 4,500 and 225,000; the polymer being characterized by solubility both in hydrocarbon solvents and in ethers, alcohols and esters.

2,461,967
AERODYNAMIC RETARDER
Leo J. Devlin and Edward H. Heinemann, Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application December 26, 1945, Serial No. 637,235
9 Claims. (Cl. 244—113)



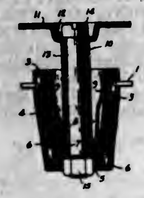
1. An airplane decelerator, comprising: at least one parasitic drag-intensifying airfoil rotatably mounted on each side of the fuselage; and means for protracting and retracting said airfoils in unison, the entering edge of each of said airfoils being located aft of the axis of rotation thereof a distance such as to define an aerodynamic gap between said edge and the forwardly adjacent and laterally adjacent surfaces of the fuselage; and means operable by the protraction of said airfoils for closing said gap.

2,461,968
SNAP-ON BOTTLE BASE
Philip A. Derham, Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application July 28, 1945, Serial No. 607,566
5 Claims. (Cl. 248—310)



1. A flexible one piece base for a bottle or the like having a lowermost bead thereon comprising a flexible annular rim, a flexible brace integrally connecting diametrically opposite parts of the rim and arranged with its lower surface substantially coplanar with the lower surface of the rim, the brace being laterally distortable out of its normal plane, the brace determining the maximum distance between said diametrically opposed parts while permitting the parts of the rim on one side of the brace to be twisted laterally out of the normal positions thereof in which the bead is overhung by the rim, that part of the rim on the other side of the brace being maintained by the brace against substantial change in size and shape, a series of equally spaced lugs projecting inwardly from the upper part of the rim and having square corner edges thereon, a second series of equally spaced lugs projecting inwardly from the lower part of the rim and having square corner edges thereon, each of the lugs of the second series being of greater height than the height of the upper lugs and being arranged between and below a pair of the upper lugs to form a recess therebetween for the reception of the bead, the rim on one side of the brace being severed to form free ends thereon at a point substantially midway between the ends of the brace.

2,461,969
VIBRATION ABSORBING SUPPORT
Howard M. Dodge, Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application March 23, 1945, Serial No. 584,410
4 Claims. (Cl. 248—358)



1. A cushioning support comprising a substantially frusto-conical downwardly tapering tubular body of rubber, an attaching plate having an opening to receive the large end of said body, a supporting disk secured within the lower end of said body, an upright load supporting post mounted on said disk centrally thereof and projecting through the upper end of said tubular rubber body, and leaf springs attached to said disk and bearing against the interior of the tubular member to resist tilting movements of said post and disk.

2,461,970
FINGER COT AND METHOD OF MAKING SAME
John C. Finegan, East Orange, N. J., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 19, 1945, Serial No. 635,897
7 Claims. (Cl. 2—21)

1. A finger protection device comprising a pair of superimposed members of flexible material, one of which is of a length sufficient to cover substantially the length of one side of a finger and the other being of a length extending substantially to the intermediate knuckle of the finger, said members being connected with each other adjacent the outer edges thereof to form a pocket-like portion with a portion of the first member extending outwardly of said pocket-like member and a strap-like member of resilient material having its ends secured to the side edges of said outwardly extending portion with said side edges curving inwardly and with the ends of said strap-like member lying inwardly of the securing means to provide a more positive gripping action with the finger.

2,461,971
ASPHALT WITH IMPROVED ADHESION PROPERTIES FOR AGGREGATES
Herbert G. M. Fischer, Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
No Drawing. Application September 27, 1941, Serial No. 412,598
8 Claims. (Cl. 106—269)

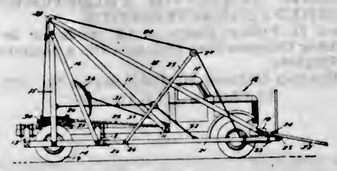
2. An improved bonding bituminous material which comprises an asphalt containing 0.1% to 0.4% of lauryl amine and 0.1% to 1.6% of oleic acid.

6. An improved bonding asphaltic material which comprises an asphaltic substance in combination with an aliphatic amine containing at least one lipophilic radical directly attached to a nitrogen atom and an organic acid containing at least 8 carbon atoms to the molecule.

2,461,972
MOTOR FUELS
Herbert G. M. Fischer, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application January 11, 1944, Serial No. 517,839
1 Claim. (Cl. 44—69)

A motor fuel consisting essentially of an alkylate gasoline base stock and a lead alkyl antiknock agent, normally characterized by substantial gum formation and lead precipitation on prolonged storage, said fuel containing about 0.1 pound of normal butyl para aminophenol per 1000 gallons of fuel, and about 0.1 pound of hydroquinone per 1000 gallons of fuel.

2,461,973
HAY STACKER DEVICE
Oran F. Fitch, Alturas, Calif.
Application June 27, 1946, Serial No. 679,817
1 Claim. (Cl. 214—131)



A stacker for motor truck having a chassis frame, front and rear wheels, and motor, comprising vertically inclined hangers on the chassis frame fore and aft of said rear wheels, horizontally disposed sills connected to the lower ends of the hangers on both sides of said chassis frame, uprights vertically hung from the said sills on both sides of said chassis frame, angularly inclined braces secured to said chassis frame fore and aft of said motor and to the upper end of said uprights, a rake head fore of the truck and swingable on the forward ends of said sills for vertical arcuate movement to and from the uprights means powered by the motor for moving the rake head in an upward sweeping action toward the uprights, cushioning means in the path of upward sweep of the rake head and having connection with the power means to regulate the same for the downward sweep of the head after being completely relieved of a load, a sweep arm having the rake head hinged thereto, and a hoisting cable included with the power means and connected to the hinged rake head.

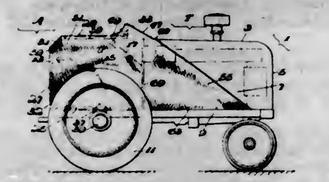
2,461,974

ble being such as to inflate the tubing while in

2,461,977
DETACHABLE SHOE HEEL ORNAMENT

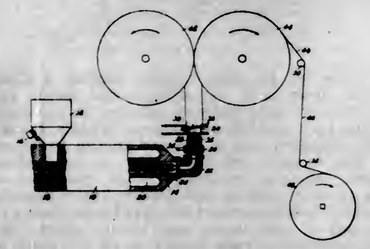
angularly about the spindle axis, a generally triangular shaped plate mounted on said spindle,

2,461,974
ENCLOSURE FOR TRACTORS
Lee Flora, Danville, Ill.
Application September 18, 1945, Serial No. 617,049
14 Claims. (Cl. 180—54)



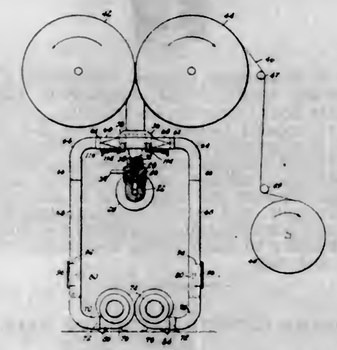
1. A housing attachment for a tractor having a forwardly arranged engine hood and a rearwardly arranged operator's seat, adapted to convey heat from the tractor engine for discharge about said seat comprising, a supporting frame structure integrally formed with a substantially horizontal U-shape section having the base portion thereof located above the line of the engine hood at a position forwardly of said seat and its legs extended rearwardly to both sides of said seat, downwardly projected extensions at the rear ends of said legs, means for attaching the lower ends of said extensions to opposite sides of said tractor, a flexible housing member having a pair of side sections and a cowl section attached to said supporting frame, and of a construction such that said side sections are arranged at opposite sides of said hood and said cowl section is inclined forwardly and downwardly between said side sections, and means for holding the lower sides of said side sections and the front ends of said side sections and cowl section against the tractor.

2,461,975
METHOD OF MAKING FLATTENED THERMOPLASTIC TUBING OF PREDETERMINED DESIRED CHARACTERISTICS
Edward D. Fuller, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application October 20, 1945, Serial No. 623,470
18 Claims. (Cl. 18—57)



1. In a method of producing flattened tubing of predetermined desired characteristics, the steps which comprise continuously dry-extruding a molten thermoplastic in the form of a seamless tubing, continuously withdrawing the tubing from the point of extrusion, flattening the tubing at a point spaced from the point of extrusion, maintaining a substantially constant continuous isolated bubble of a gaseous medium in the section of the tubing extending between the point of extrusion and the point of flattening, the quantity of the gaseous medium constituting said bubble being such as to inflate the tubing while in the formative plastic state to a predetermined desired diameter at a point beyond the point of extrusion, said predetermined diameter being different from that of the tubing at the point of extrusion, and passing the tubing while in the plastic formative state through streams of a cooling gaseous medium in the vicinity of the point of extrusion and impinging circumferentially on said tubing to chill the tubing to an extent that when the tubing has been inflated by said bubble to the said predetermined diameter it will be in a set condition, the rate of withdrawing the tubing, the degree of inflation of the tubing and the degree of chilling the tubing all being correlated in accordance with predetermined desired physical characteristics of the tubing.

2,461,976
METHOD OF MAKING FLATTENED THERMOPLASTIC TUBING OF PREDETERMINED DESIRED CHARACTERISTICS
Bernard H. Schenk, Western Springs, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application October 20, 1945, Serial No. 623,472
8 Claims. (Cl. 18—57)

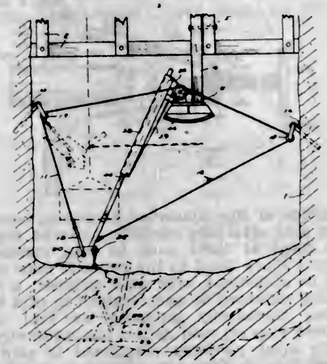


1. In a method of producing flattened tubing of predetermined desired characteristics, the steps which comprise continuously dry-extruding a molten thermoplastic in the form of a seamless tubing, continuously withdrawing the tubing from the point of extrusion, flattening the tubing at a point spaced from the point of extrusion, maintaining a substantially constant continuous isolated bubble of a gaseous medium in the section of the tubing extending between the point of extrusion and the point of flattening, the quantity of the gaseous medium constituting said bubble being such as to inflate the tubing while in the plastic formative state to a predetermined desired diameter at a point beyond the point of extrusion, said predetermined diameter being different from that of the tubing at the point of extrusion, and blowing onto the exterior surface of the tubing while in the plastic formative state a cooling medium consisting of atmospheric air laden with added moisture in such volume that said tubing will be set when the tubing has been inflated by said bubble to the desired predetermined diameter, the rate of withdrawing the tubing, the degree of inflation of the tubing and the degree of chilling of the tubing all being correlated in accordance with predetermined desired physical characteristics of the tubing.

2,461,977
DETACHABLE SHOE HEEL ORNAMENT
Thomas Gilmour, Brooklyn, N. Y.
Application July 13, 1946, Serial No. 683,391
5 Claims. (Cl. 41—10)

1. A heel ornament comprising, in combination, a body portion adapted to encompass the outside surface of a heel, a clip portion pivotally connected thereto, and a spring actuating said clip portion against said heel.

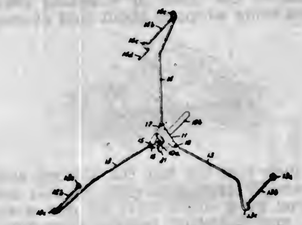
2,461,978
MECHANICAL MINE SHAFT SHOVEL
Arthur O. Hall, Wenatchee, Wash., assignor of fifty-one one-hundredths to Milan N. Beakovich, Midvale, Utah
Application February 23, 1946, Serial No. 649,575
2 Claims. (Cl. 214—141)



1. A power operated shaft shovel adapted to be supported in a mine shaft while excavating the same including a supporting base, a shaft journalled on said base, a pair of inner and a pair of outer horizontally aligned drums supported on said shaft, means for driving said drums, a two-part telescoping extensible boom, pulleys supported in the outer boom section at its opposite ends between the same and the inner boom section, boom reciprocating cables mounted over said pulleys being connected respectively with said inner boom section and with the inner pair of said aligned drums, a shovel on the lower end of said inner boom section, and cables connected between said shovel and the other pair of said aligned drums for controlling the movement and operation of said shovel.

2,461,979
FOLDABLE REEL
James C. Hancock, Roanoke, Va.
Application June 21, 1946, Serial No. 678,415
1 Claim. (Cl. 242—115)

In a reel of the class described, a spindle forming a hand member, three reel arms mounted on said spindle adjacent each other and adjustable angularly about the spindle axis, a generally triangular shaped plate mounted on said spindle, one of said arms being secured to said plate at one corner portion thereof and the other two arms being adapted to be received in recesses provided at the other corner portions of said plate to thereby locate said other two arms in spaced angular positions about the spindle axis, and means clamping said arms and plate to said spindle.



2,461,980
ELECTRIC CONTACT DEVICE
Elmer F. Hansen, Marblehead, Mass., assignor to General Electric Company, a corporation of New York
Application December 20, 1946, Serial No. 717,442
4 Claims. (Cl. 173—328)

1. An electric contact device comprising a pair of separable contact members each including a plurality of resilient electric conducting bristles mounted upon a base with the interstices between bristles at their free ends having an area of the same general order of magnitude as the cross-sectional area of said bristles, said bristles being arranged for sliding engagement and disengagement in mutual intermeshing and wedging relation, thereby to make self-retaining electric contact at a plurality of points and over a large total surface area.

2,461,981
PACKAGING
Joseph E. Hills, Chicago, Ill., assignor to Kraft Foods Company, Chicago, Ill., a corporation of Delaware
Application February 5, 1948, Serial No. 8,534
6 Claims. (Cl. 99—178)

1. In combination with a serving of cheese which is in the shape of a sector of a right circular cylinder, and which has a plane top surface, a plane bottom surface which is parallel to said

top surface, two plane radially extending side surfaces which diverge from an apex, and a

the bellows, said body having, aligned with the opening between the first and third chambers, an

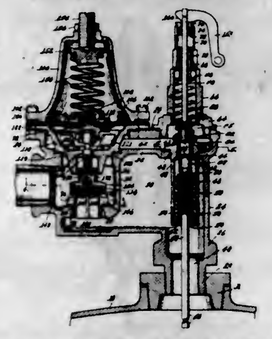
transmit force to the carriage thereby permitting relative lateral movement of said two guide

ring members having an inner bore sufficient to provide a clearance between it and the nearest adjacent part located within said bore, a flexible

top surface, two plane radially extending side surfaces which diverge from an apex, and a curved surface intersecting said top, said bottom, and said side surfaces to form a curved fifth side, a wrapper which is formed from a substantially sector-shaped flat sheet of wrapping material, said sheet being wrapped about said cheese in a

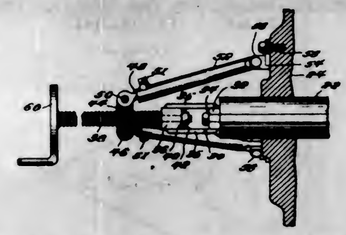
manner such that the top, the bottom, and one of the radially extending sides of said serving are covered by a single layer of said wrapping material, and the other radially extending side surface of said serving is covered by overlapping layers of said wrapping material, said wrapper having only one outside tab located on the curved surface of said serving.

2,461,982
CONTROL VALVE
Burchard E. Horne, Lawrence, Mass., assignor to Watts Regulator Company, Lawrence, Mass., a corporation of Massachusetts
Application June 26, 1945, Serial No. 601,563
4 Claims. (Cl. 236—80)



1. In a control of the kind described, a unit body having a ported portion for a single connection with a tank and a port for connection with a pipe and a chamber communicating with the ported portion and a second chamber communicating with the second port, having a valve opening between the first chamber and second chamber, and having a third chamber with a valve opening communicating with the first chamber and with an opening into the second chamber and a diaphragm receiving opening, a valve seat removably mounted in the opening between the third and first chambers, formed with a tubular extension projecting into the first chamber having an opening in its wall near the valve seat proper and an opening in its wall adjacent its end farthest from the valve seat proper, a removable closure in said last-named end of the tubular extension, a thermostatic bellows in said tubular extension seated on said closure and provided with a reduced tubular extension extending through the closure and the first-named ported portion of the body, a valve to cooperate with said seat, a guide extending from the valve through the valve seat, adapted to cooperate with the bellows, said body having, aligned with the opening between the first and third chambers, an opening large enough for the passage of the valve seat and valve and bellows, a spring cage removably mounted on the body in said last-described opening, a spring in said cage for biasing said valve toward closed position, means for varying the tension on said spring, a valve for controlling flow from the first to the second chamber sensitive to and opened by pressure in the first chamber, means for closing the opening between the second and third chambers having bleeder means for allowing limited flow from the third to the second chamber, and a diaphragm for closing said diaphragm receiving opening, operatively connected with the second valve and subject to pressure in the third chamber, said diaphragm being adapted to open said second valve upon predetermined pressure in said third chamber.

2,461,983
WHEEL SPACER FOR TRACTORS
Samuel D. Jarrett, Duncan, Okla.
Application April 23, 1946, Serial No. 664,199½
1 Claim. (Cl. 29—261)

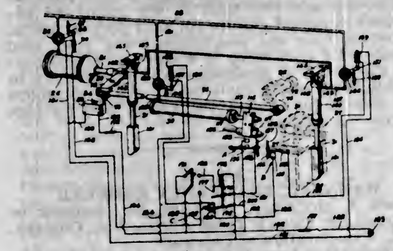


A device of the character described, comprising an axle attaching member, parallel opposed plates fixed at their ends to said member, a mounting block fixed to the opposite ends of the plates in alinement with said member, a screw rotatably mounted in and retained in said block, a collar threadably mounted on said screw, apertured ears on said collar, longitudinally adjustable arms pivotally connected to said collar, brackets on the ends of said arms adapted to be connected to a wheel mounted on said axle whereby movement of said screw will move the wheel backward and forward on said axle.

2,461,984
FLAW DETECTOR MOUNTING AND CONTROL
Charles G. Kaehms, Oakland, Calif., assignor, by mesne assignments, to Southern Pacific Company, a corporation of Delaware
Application May 15, 1945, Serial No. 593,858
18 Claims. (Cl. 175—183)

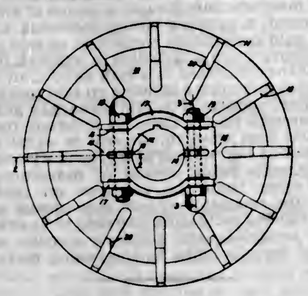
5. In a detector car, a carriage adapted to travel along a rail under the car, a forward guide means and a rearward guide means on said carriage for contact with the gauge side of the rail, means to raise and lower said carriage, a forward operating means and a rearward operating means connected with said carriage at longitudinally spaced points to move the carriage latterally toward and away from said rail and to press said two guide means against the rail, actuating means, means connecting said actuating means with said two operating means to apply force thereto, and yielding means effective between said actuating means and at least one of said spaced points on the carriage to yieldingly

transmit force to the carriage thereby permitting relative lateral movement of said two guide



means to keep both guide means in contact with the gauge side of the rail on a curve.

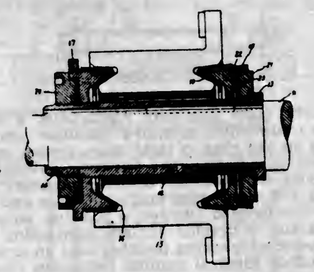
2,461,985
DYNAMOELECTRIC MACHINE
Irving Kalikow, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application October 2, 1947, Serial No. 777,413
6 Claims. (Cl. 171—252)



1. In a dynamoelectric machine having a rotatable shaft, a plastic impeller rotatable with said shaft, said impeller comprising impeller blades and a hub, said hub provided with metallic pressure straps, means including bolts for transmitting pressure through said straps to fasten said hub to said shaft, relief grooves in the surfaces of said plastic hub each of said grooves being adjacent one of said straps and adjacent one of said bolts, and pressure supporting columns in said hub adjacent said grooves each of said columns extending between the inner surfaces of said pressure straps, whereby said hub may be tightened onto said shaft without imposing shearing forces on said plastic.

2,461,986
DYNAMOELECTRIC MACHINE
Irving Kalikow, West Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application November 5, 1947, Serial No. 784,697
4 Claims. (Cl. 171—321)

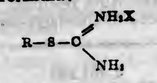
1. A dynamoelectric machine commutator assembly comprising a plurality of commutator bars, clamping ring members adapted to retain the ends of said bars, means for drawing together said clamping ring members, one of said clamping ring members having an inner bore sufficient to provide a clearance between it and the nearest adjacent part located within said bore, a flexible diaphragm adapted as by fitting within an inner periphery of said last mentioned clamping ring



member to center said member, and a resilient ring located axially within said drawing together means to yieldingly restrain said clamping ring members, said resilient ring having a clearance with an inner periphery of said last-mentioned clamping ring member.

2,461,987
ANTIPLUMMING AGENTS FOR PHOTOGRAPHIC EMULSIONS
Edward B. Knott and John Morgan, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 19, 1947, Serial No. 755,718. In Great Britain June 20, 1946
8 Claims. (Cl. 95—7)

1. A gelatino-silver halide emulsion containing as an anti-plumming agent a compound represented by the formula:



wherein R represents an alkyl group and X represents a halogen atom.

2,461,988
HYDROGEN PEROXIDE DISTILLATION AFTER REMOVAL OF ORGANIC PEROXIDES
Pieter Leendert Kooijman, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 31, 1947, Serial No. 751,633. In the Netherlands August 5, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires August 5, 1961
8 Claims. (Cl. 202—52)

7. A process for the separation of hydrogen peroxide from an aqueous mixture containing hydrogen peroxide and organic peroxides which comprises heating the mixture at a temperature of between about 40° C. and about 120° C. until the organic peroxides are converted to organic acids and then distilling the mixture to separate hydrogen peroxide from the other constituents while maintaining the concentration of water in the mixture containing hydrogen peroxide and organic materials at a minimum of 40 per cent and at not more than about 80 per cent.

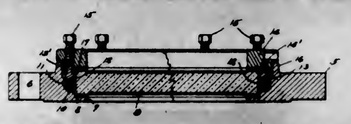
2,461,989
SIGHT GLASS ASSEMBLY

flow therethrough, said valve comprising a casing, a diaphragm separating the casing into high and

similar hydrocarbon components from other chemically similar hydrocarbon components, different from said first named chemically similar

thimble, a multiplying sleeve between the barrel and thimble, a threaded sleeve mounted on said spindle and having threads of a lead greater than

2,461,989
SIGHT GLASS ASSEMBLY
Gene Le Roy, South Charleston, W. Va.
Application February 28, 1946, Serial No. 650,998
1 Claim. (Cl. 220—82)

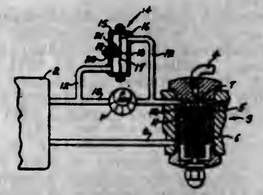


A sight glass assembly comprising a flange ring, an inwardly extended annular shoulder formed on the ring, a sight glass resting on the shoulder, said flange ring having a beveled surface above the shoulder, packing members fitted between the flange ring and sight glass and resting on the beveled surface, a packing adjusting ring having a beveled surface contacting with the uppermost packing member and an upwardly extending integral annular extension thereon, a retainer ring secured to the flange ring above the packing adjusting ring and having an annular groove in the bottom thereof into which the annular extension of the packing adjusting ring extends, and cap screws extending into the retainer ring and engaging the packing adjusting ring whereby the packing adjusting ring is forced against the packing members forcing them into close engagement with the flange ring and sight glass, providing an air-tight connection therebetween.

2,461,990
POLYMERS AND COPOLYMERS OF PROPIOLATES
Joy G. Lichty, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application June 7, 1947, Serial No. 753,281
3 Claims. (Cl. 260—84.5)

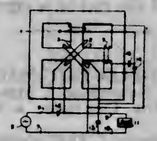
1. A polymer resulting resulting from the polymerization of beta-cyanoethyl-propiolate.

2,461,991
OIL BY-PASS STRUCTURE TO AVOID SMOKING OF OIL BURNERS
Joseph A. Logan, Hadley, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application January 25, 1946, Serial No. 643,221
2 Claims. (Cl. 158—36.3)



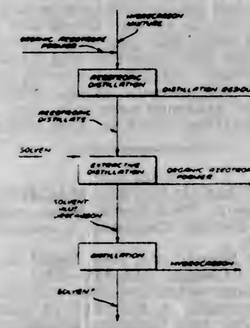
1. An automatic oil pressure atomizing burner including a motor driven fan and oil pump, a regulating valve for constant atomizing pressure, a nozzle having an atomizing outlet adjacent the air outlet from the fan; and in combination a by-pass conduit between the high pressure side of the regulating valve and the low pressure side of the pump, a valve in said conduit to restrict flow therethrough, said valve comprising a casing, a diaphragm separating the casing into high and low pressure sides and provided with a port for connecting said two sides of the pump, an adjustably mounted closure for said port, a spring, biased to hold the diaphragm away from said closure, said port being of a size adapted to permit the pump to gradually build up pressure in the high side of the valve casing which will move the diaphragm against the spring and its port against its closure.

2,461,992
MAGNETIC FREQUENCY REDUCER
Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application June 4, 1945, Serial No. 597,460
16 Claims. (Cl. 172—281)



1. A subfrequency generator comprising a saturable magnetic core means, a source of alternating current, a primary circuit including a winding on said core means connected to said source, a secondary circuit including a winding on said core means connected to a load circuit, an auxiliary circuit including a winding on said core means, condensers connected in said secondary and auxiliary circuits tuning them to different frequencies such that the sum thereof is equal to the frequency of said source, said secondary and auxiliary circuits being devoid of inductance elements other than the windings on said core means, the excitation of said core means by said source causing oscillating currents to be produced in said secondary and auxiliary circuits of frequencies corresponding to the tuning thereof.

2,461,993
HYDROCARBON SEPARATION BY AZEOTROPIC DISTILLATION
Art C. McKinnis, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 23, 1943, Serial No. 499,726
6 Claims. (Cl. 202—42)



3. A process for the treatment of a complex hydrocarbon fraction to separate chemically similar hydrocarbon components from other chemically similar hydrocarbon components, different from said first named chemically similar hydrocarbon components contained in said complex hydrocarbon fraction, which components distill from said complex hydrocarbon fraction at approximately the same temperature, which comprises distilling said complex hydrocarbon fraction in the presence of a sufficient amount of an organic azeotrope former having a boiling point not more than about 50° F. below the average boiling point of said complex hydrocarbon fraction, to vaporize as an azeotrope chemically similar components together with said azeotrope former, thereby leaving chemically similar components in the residue, separately extractively distilling said azeotrope in the presence of a saturated hydrocarbon solvent having a preferential affinity for the hydrocarbon component of said azeotrope and having a boiling point at least 25° F. above the maximum boiling point of the hydrocarbon component of said azeotrope to produce as overhead the azeotrope former thereby leaving as distillation residue the hydrocarbon component of said azeotrope together with solvent and subsequently distilling said extractive distillation residue to vaporize the hydrocarbon component of said azeotrope thereby leaving said solvent as a distillation bottoms.

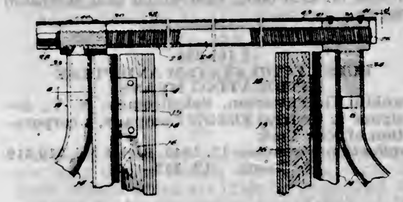
2,461,994
WIRE TERMINAL
Joseph F. Merkel, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 12, 1946, Serial No. 689,879
3 Claims. (Cl. 173—269)

1. A wire terminal comprising an eyelet having several ears formed upwardly about its periphery and having a center opening, and a tubular spacer of substantially non-yieldable material receivable within said upwardly formed ears and concentric with said opening in said eyelet, said spacer having a flange at its base bearing against the inner base surface of said eyelet, said flange being of a diameter only slightly less than the diameter of the opening formed within said ears, and said spacer extending upwardly from said inner base surface of said eyelet to an extent to space the ears of said eyelet from a nut securing said terminal to a terminal post when said ears are formed inwardly to secure a wire between said ears and the periphery of said spacer.

2,461,995
DIFFERENTIAL SCREW MICROMETER
Edward E. Modes, Chicago, Ill.
Application June 21, 1946, Serial No. 678,504
3 Claims. (Cl. 33—164)

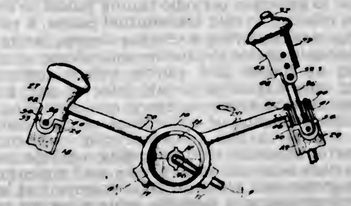
1. In a micrometer measuring instrument, a barrel, a spindle having small lead threads engaging complemental threads in the barrel, a thimble, a multiplying sleeve between the barrel and thimble, a threaded sleeve mounted on said spindle and having threads of a lead greater than that of the first mentioned threads, said greater lead threads engaging complemental threads in the multiplying sleeve, said threaded sleeve being releasably locked to both the thimble and the spindle.

2,461,996
ADJUSTABLE SPACER BAR
Raymond J. Moths, Fox Point, Wis.
Application April 3, 1946, Serial No. 659,353
3 Claims. (Cl. 25—131)



1. In an adjustable spacer bar of the character described, a screw having right hand and left hand threads thereon, a nut on one end of said screw having a projection thereon adapted to engage with a part of a concrete form, a nut on the opposite end of said screw having a projection thereon adapted to engage another part of the concrete form, a shield joining said nuts, means to secure the shield to one of said nuts, and means to secure the shield in sliding engagement to the opposite nut to permit longitudinal movement of said nuts on said screw.

2,461,997
HANDGRIP CONTROL
Theodore Obszarny, Chicago, Ill., and John J. Rowell, New York, N. Y., assignors to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application December 20, 1944, Serial No. 569,086
5 Claims. (Cl. 74—486)



3. In an aircraft control wheel of the type comprising an integral metal spider provided with a coating of synthetic plastic material and including a hub provided with a cavity therein, a pair of oppositely disposed, downwardly and outwardly extending, hollow tubular support arms connected to the hub in open communication with the cavity, the outer portions of said arms continuing into upwardly extending terminal portions, and a pair of oppositely extending tie members, rigidly connected at corresponding ends to said hub and to the upper ends of the terminal portions of the arms; the improvement comprising a pair of hand grips for the terminal portions of the arms, said grips each including a main body portion formed as an integral part of

the terminal portion of one arm and the connection to the adjacent tie member, and an interchangeable head detachably connected to each

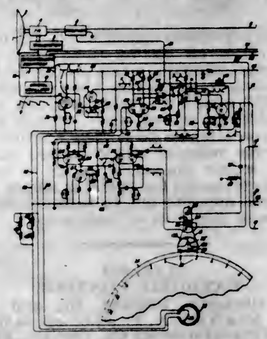
fractory trough section assemblies each comprising relatively-movable, complementary mould

elements, respectively, and meshing with said helical worm gears, respectively, and two pairs of cone bearing friction coupler elements, one

tion, an abutment carried by the stirrup for lost motion engagement with said spaced abutments, a switch member carried by the main portion of the handle; and electrical connections between

the terminal portion of one arm and the connection to the adjacent tie member, and an interchangeable head detachably connected to each main body portion, one of said heads being chambered, a movable device mounted in the chamber, together with an externally accessible operating member for said device carried by the head, each main body portion, in alignment with the tie rod connection thereto, being formed with a pair of spaced apart tongues adapted for engagement with cooperating grooves in the head when the parts are connected together and additional interlocking elements on the head and body portions comprising an extension on said head and a recess on said body, into which said extension projects.

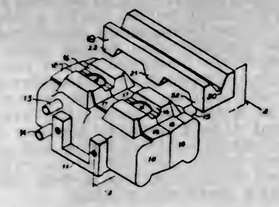
2,461,998
PULSE ECHO SYSTEM AND PULSE INDICATING MEANS
Franklin G. Patterson, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 17, 1943, Serial No. 510,619
14 Claims. (Cl. 343—13)



14. The combination of means to transmit recurrent pulses and to receive echoes thereof within the time intervals between successive pulses, means to generate periodic timing pulses in fixed phase relation to said transmitted pulses, a cathode ray device having a viewing screen, means to operate said device to produce indications on said screen of echoes and timing pulses occurring within only a fraction of said interval, said indications having space sequence corresponding to the time sequence of occurrence of said echoes and timing pulses, mechanically controlled means for adjusting the time position of said fraction within said interval, whereby said indications move across said screen with adjustment of said controlled means, a movable scale adjacent said screen, and means responsive to adjustment of said preceding means for moving said scale in unison with the movement of said indications across said screen.

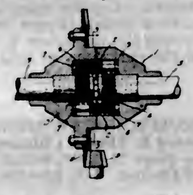
2,461,999
SEPARABLE MOLD AND REFRACTORY TROUGH ASSEMBLY
Pearson M. Payne, Denver, Colo., assignor to P. M. Payne & Company, Denver, Colo., a corporation of Colorado
Application April 16, 1945, Serial No. 588,424
2 Claims. (Cl. 22—134)

1. In a continuous casting machine having a plurality of end-abutted separable mould and refractory trough section assemblies each comprising relatively-movable, complementary mould elements formed with correspondingly-recessed, opposed faces interengageable on a vertical plane in registration of their recesses to form a mould-cavity-defining unit having a closed top surface, and a longitudinally-grooved refractory trough section longitudinally traversing the closed unit top surface, means for locating and retaining the trough section in flow communication through a short gate passage with the mould cavities of its associated unit, said means comprising opposed rabbets longitudinally of the upper meeting corners of said mould elements in intersecting relation with mould cavity recess upper portions cooperable to form an upwardly-



opening channel intersecting the unit top surface and the mould cavities, upwardly-opening lateral channels intersecting said mould unit top surface and said first channel, depending, integral, lateral and longitudinal ribs on said trough section engageable with the corresponding unit channels to dispose the trough section longitudinal rib in covering relation with the intersected mould cavities, concavities on the under surface of said longitudinal rib disposed to register with and complete the unit mould cavities, and gates opening through the trough section floor and longitudinal rib concavities for registration with the intersected mould cavity upper portions when the trough section ribs are engaged in and with the unit channels.

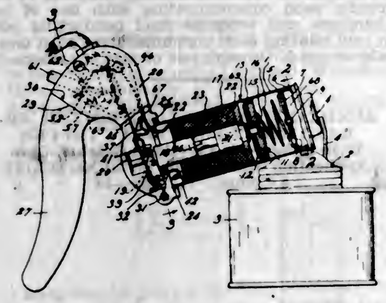
2,462,000
NONEQUALIZING-TORQUE DIFFERENTIAL TRANSMISSION
Ralph R. Randall, Freeport, Ill., assignor to Dualoc Syndicate, Rockford, Ill., a partnership
Application July 7, 1945, Serial No. 603,719
6 Claims. (Cl. 74—715)



1. A non-equalizing-torque differential gearing comprising a rotatable gear carrier, a pair of intermeshing helical worm gear elements, one right-hand and one left-hand, rotatably mounted on said gear carrier with their axes parallel to and eccentric with respect to the axis of said gear carrier, a pair of rotatable helical worm gears coaxial with said gear carrier, force transmitting means between said helical worm gear elements and said gears, respectively, comprising a second pair of helical worm gear elements rotatable with said first helical worm gear

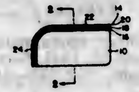
elements, respectively, and meshing with said helical worm gears, respectively, and two pairs of cone bearing friction coupler elements, one pair for each helical worm gear element and rotatable therewith, the cones of each pair facing in opposite directions whereby when the rotational resistance of the coaxially aligned gears is equalized, the end thrust on said helical worm gear elements is equalized and there is no end thrust on the cone bearing friction coupler elements and whereby when the rotational resistance of the coaxial gears is unequalized, an unequalized end thrust on the helical worm gear elements results and the cone bearing friction coupler elements are forced into coupling engagement, hindering counter rotation of the helical worm gear elements.

2,462,001
ELECTRICALLY OPERATED SPRAY OUTFIT
Edward D. Rapisarda, Agawam, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application February 4, 1946, Serial No. 645,390
1 Claim. (Cl. 299—88)



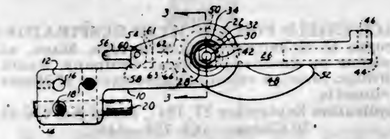
An atomizer of the type having a container and an eduction tube rising from the container, comprising a piston barrel having one end open and having a head at the other end provided with an aperture through which atomizing air is expelled, a valved piston slidably mounted in said barrel, a handle comprising a main portion and a cover portion, said portions having near one end semi-cylindrical parts embracing said barrel at its open end, means for clamping the handle portions together to grip the last-named end of the barrel, the inner and adjacent sides of said handle portions being recessed to provide between them a chamber communicating with the open end of said barrel, a solenoid fixed in said barrel between said open end and the piston, an armature movable within the solenoid and connected to the piston, a perforated head fixed in the barrel between the head of the barrel and the piston and spaced from the head of the barrel to form a pressure equalizing chamber, a flexible disk mounted on the side of the perforated head remote from the piston and covering the perforations in the last-named head to serve as a check valve, a pair of spaced abutments on said armature, a stirrup pivoted to the main portion of said handle, a toggle spring engaging the stirrup to hold it in either of two extreme positions, a contact member carried by the stirrup, a second contact member carried by the main handle portion to be engaged by the first contact member when the toggle is in retracted position, an abutment carried by the stirrup for lost motion engagement with said spaced abutments, a switch member carried by the main portion of the handle; and electrical connections between the switch member, said contacts and the solenoid; said stirrup, toggle spring, contact members, switch member, and all said abutments being located in said first mentioned chamber.

2,462,002
CUTTING TIP FOR CUTTING TOOLS
Harold J. Read, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 25, 1945, Serial No. 607,036
1 Claim. (Cl. 29—95)



A hard cutting tip adapted for attachment to the body of the cutting tool having those surfaces thereof which are intended to contact with surfaces of the tool holder coated with at least three metal layers each layer comprising a component of a multi-metal adhesive, an intermediate layer comprising zinc, said metal layers being capable of alloying in situ under the action of heat during the operation of affixing the cutting tip to the body of the cutting tool.

2,462,003
UNIVERSAL GAUGE HOLDER
Edward H. Rose, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application March 27, 1944, Serial No. 528,285
15 Claims. (Cl. 248—125)



12. A gauge holder comprising: a supporting arm provided at one end with means for adjustably mounting said arm relatively to a part to be checked; a head formed at the end of said supporting arm opposite said end provided with means for mounting said arm, said head being slotted inwardly from its end face; a bushing pressed into and extending through a bore in said head from one side to the other and across the slot in said head; a pivot member mounted in said bushing; a pivoted arm having a yoke-shaped end straddling said head, an end of the pivot member passing through a bore in each leg of the yoke; means acting to retain said pivot member and yoke in operative relation whereby said legs may be securely clamped against the ends of said pivot member; a finger-like stop member having an enlarged end bore and journaled in said slot in the head of said supporting arm on the exterior surface of said bushing and having the free end thereof formed to provide a stop surface adapted to contact the pivoted arm toward the free end thereof; a cam mounted in a recess in said head; a cam-operating lever projecting from said head; a displaceable member adapted to be forced by said cam against the surface of the stop member journaled on said

bushing, said cam lever and displaceable mem-

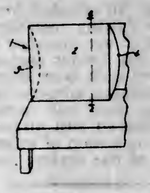
2,462,006
ROTARY JOINT

tam wherein the methyl groups are substituted upon the No. 2 and the No. 5 carbon atoms of

member and interposed between said seating portions, said unit comprising a series of cushioning

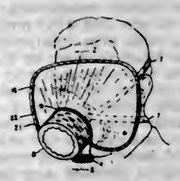
bushing, said cam lever and displaceable member constituting locking means to hold the stop member in adjusted position; indicating means mounted on the free end of said pivoted arm; and resilient means connected between an abutment on the supporting arm and an abutment mounted on the pivoted arm, the abutment on the pivoted arm being nearer the abutment on the head when the pivoted arm is in operative or inoperative position than while being moved to one position or the other so that said resilient means acts to move said pivoted arm to the operative position in which the arm contacts the stop, or to the inoperative position, when said arm is moved past dead center toward the one or the other of said positions.

2,462,004
CUSHION
Albert Rothery, Springfield, Mass.
Application August 18, 1945, Serial No. 611,330
2 Claims. (Cl. 155—182)



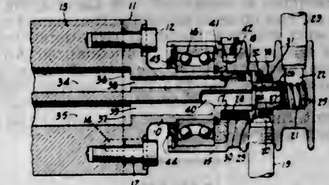
1. A cushion which comprises, a body of soft air foam rubber having a planar front surface, planar end surfaces at substantially right angles to said front surface and a rear surface extending convexly from the upper edge of the front surface to the lower edge of the front surface.

2,462,005
FACE SHIELD FOR USE WITH RESPIRATORS
George H. Schauweker, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application September 27, 1947, Serial No. 776,535
10 Claims. (Cl. 128—146)



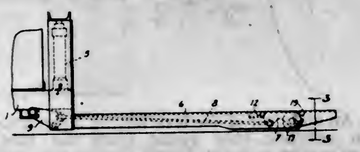
1. A face shield comprising a flat substantially rectangular transparent member having a central opening near the lower edge thereof, a binder covering a major portion of the periphery of said member, convergent straps formed integral with the lower edge of said member adjacent said opening and extending downwardly and convergently, the ends thereof being spaced to provide a passageway into said opening, and fastening means secured near the ends of said straps, the straps being adapted to be drawn into lapping relation to bring the fastening means into functioning position, to close the passageway into said opening, and to cause the transparent member to assume a cup-like shape.

2,462,006
ROTARY JOINT
Carl Schmitter, West Allis, and Steven M. Kies, Milwaukee, Wis., assignors to The Falk Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 25, 1945, Serial No. 601,490
4 Claims. (Cl. 285—10)



1. A fluid conducting rotary joint comprising a spindle, a housing in which said spindle is journalled, said housing having two chambers therein concentrically disposed with respect to said spindle, a sleeve slidably seated in one of said chambers and axially urged into sealing contact with said spindle to separate said chambers, separate fluid conducting channels in said spindle each communicating with one of said chambers, and separate fluid conducting ports in said housing each communicating with one of said channels through one of said chambers.

2,462,007
AUXILIARY SUPPORTING ROLLER ARRANGEMENT FOR PALLET TRUCKS
Irvin F. Schreck, Cleveland Heights, Ohio
Application May 3, 1946, Serial No. 667,131
5 Claims. (Cl. 280—44)



1. A lift truck having a vertically adjustable load carrying member, means for adjusting said member including a supporting leg pivoted to said member and serving as a lift lever, and main and auxiliary supporting rollers carried by said leg, said rollers being mounted side by side with their axes parallel and at different distances from the pivot of said leg, said main roller extending past the axis of the auxiliary roller and being engageable with the floor at all times and said auxiliary roller being so positioned with respect to the main roller that it moves toward and away from the floor during pivotal movements of the leg and is supported out of engagement with the floor but in close proximity to the floor in one extreme position of said leg.

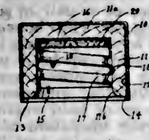
2,462,008
AMINO TRIMETHYL HEXANOIC ACIDS AND THEIR LACTAMS
Alva V. Snider, Richmond, and Rupert C. Morris, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 17, 1944, Serial No. 545,466
8 Claims. (Cl. 260—239)

1. A compound selected from the group consisting of a 6-aminotrimethylhexanoic acid lactam wherein the methyl groups are substituted upon the No. 3 and the No. 5 carbon atoms of the lactam, and its corresponding hydrolysis product, a 6-aminotrimethylhexanoic acid wherein the methyl groups are substituted upon the No. 3 and the No. 5 carbon atoms of the carbon chain.

2,462,009
AMINO TRIMETHYL HEXENOIC ACIDS AND THEIR LACTAMS
Rupert C. Morris, Berkeley, and Alva V. Snider, Richmond, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application July 18, 1944, Serial No. 545,550
8 Claims. (Cl. 260—239)

1. A compound selected from the group consisting of a 6-amino trimethyl hexenoic acid lactam having the methyl groups attached to the No. 3 and the No. 5 carbon atoms of the lactam, and its corresponding hydrolysis product, a 6-amino trimethyl hexenoic acid having the methyl groups attached to the No. 3 and the No. 5 carbon atoms of the carbon chain.

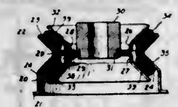
2,462,010
COMPOSITE BOTTLE CAP
Donald L. Spender, Naugatuck, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application March 8, 1947, Serial No. 732,676
4 Claims. (Cl. 215—43)



1. A composite closure cap for a container comprising an outside cupped shell of sheet material, a cup-shaped filler member of non-metallic and relatively thick material fitted into said shell, an insert cupped shell of sheet material axially fitted into said filler member and having a continuous rolled thread formed in its wall whereby it may be detachably secured to the threaded neck of a container, and one or more spring lugs sheared transversely of and sprung outwardly of the crest portion of said rolled thread, said one or more lugs having the free ends spaced outwardly from the normal exterior surface of said insert shell and directed downwardly so as to permit said insert shell to axially telescope into said filler member for assembly purposes, said one or more lugs also formed with opposed longitudinal edges that are adapted to embed into the material of the filler member to prevent rotary movement of said insert shell relative to said filler member in either direction.

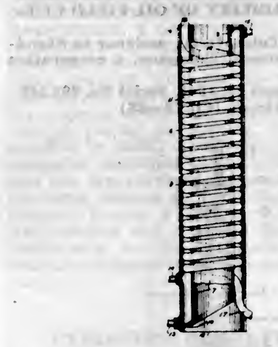
2,462,011
CUSHIONING SUPPORT
Leon F. Thiry, Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 2, 1945, Serial No. 597,334
19 Claims. (Cl. 248—10)

1. A support comprising two members having circumferential seating portions disposed one within the other, and an endless one piece elastic rubber cushioning unit surrounding the inner member and interposed between said seating portions, said unit comprising a series of cushioning blocks spaced apart by relatively thin intermediate portions integrally joined at their ends to said blocks.



15. An annular one piece elastic rubber cushioning unit comprising a series of spaced cushioning blocks spaced circumferentially and axially, and joining portions of relatively small radial thickness interposed between the blocks.

2,462,012
REFRIGERANT DEOILER
Ernest F. Viliter, Milwaukee, Wis., assignor to The Viliter Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 15, 1943, Serial No. 510,330
2 Claims. (Cl. 62—115)



2. A refrigerant de-oiling unit comprising, outer and inner concentric cylindrical casings interconnected and sealed at their adjacent ends to form an intervening annular chamber extending throughout the full length of both casings, a helical cooling coil disposed coaxial of and within said chamber and being spaced slightly from the surfaces of said casings which are exposed to said chamber, valve means for simultaneously admitting refrigerant to the opposite ends of said coil and chamber, and valve means for effecting drainage of accumulated oil from the refrigerant admission end of said chamber.

2,462,013
STRIPPING OF EMULSION POLYMERIZATION LATICES
Wendell W. Waterman, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application November 7, 1942, Serial No. 464,863
9 Claims. (Cl. 202—46)

1. The process of stripping emulsion polymerization reaction mixtures of unreacted, slightly water-soluble, polymerizable materials which comprises subjecting the reaction mixture to steam distillation under reduced pressure and

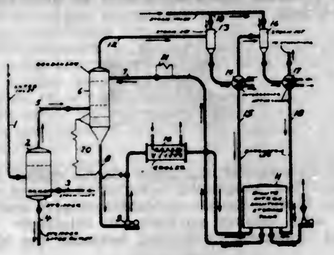
condensing the vapors evolved by direct contact

2,462,015
BOOSTER BRAKE MECHANISM

in said sheath, and compacted granular refractory material disposed in said sheath embedding said resistor means and serving to electrically

2,462,020
METHOD AND MEANS FOR SEALING CONDUCTORS TO GLASS ENVELOPE WALLS

condensing the vapors evolved by direct contact with a condensing liquid comprising a dilute solution of said polymerizable material of such



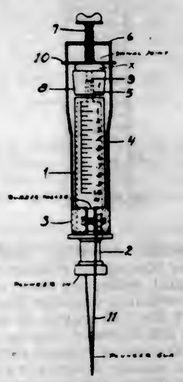
concentration that the total content of polymerizable material brought in with the stripping vapors and in the condensing liquid is soluble in the effluent from the condensing step.

2,462,014

MICROPERMEAMETER FOR MEASURING THE PERMEABILITY OF OIL FIELD CUTTINGS

Henry J. Welge, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 23, 1946, Serial No. 692,559
3 Claims. (Cl. 73—38)



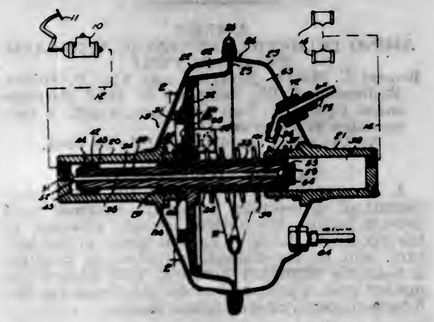
1. A device for measuring the permeability of a fragment of solid material, comprising a hollow cylindrical body member open at each end, a resilient fragment support mounted on one end of said member, there being a passage-way through said support, having an open outer end, and an inner end communicating with the interior of said body member, a plunger, normally filling the interior of said body member, reciprocally movable therein through the other end of the member, a bracket secured to the body member, a clamp carried by said bracket in threaded engagement therewith, movable therein towards said fragment support over the outer end of said passage-way, while exposing a portion of the fragment to the atmosphere, and a plunger stop member carried by said bracket limiting outward movement of the plunger from the body member.

2,462,015

BOOSTER BRAKE MECHANISM

Owen M. Whitten, Detroit, Mich., assignor to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey

Application July 14, 1945, Serial No. 605,119
7 Claims. (Cl. 121—41)



1. A fluid pressure motor comprising a casing having a pressure-responsive unit therein, a pair of valves carried by said pressure responsive unit and operable for controlling pressures in opposite ends of said casing, a control lever for said valves, a single point bearing for said lever, said lever having mechanical engagement with said valves at points spaced from each other and from said bearing whereby said lever is rockable on either of a pair of axes in its own plane intersecting at said bearing, means for applying a force to said plate to tend to operate it to effect operation of both valves, resilient means carried by said pressure responsive unit and having mechanical engagement with said lever closer to one of said valves than to the other valve whereby operation of said lever will first move said other valve and then move said one valve, and means carried by said pressure unit for adjusting the loading of said resilient means to determine the force which must be applied to said lever to effect operation of said one valve after said other valve has been operated.

2,462,016

ELECTRIC HEATING

Albert P. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 3, 1947, Serial No. 739,156
11 Claims. (Cl. 201—67)

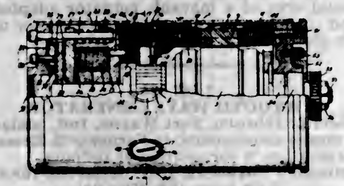
1. A tubular sheathed embedded-resistor electric heating element having an active section comprising a tubular sheath formed to a cross-section consisting substantially of two wall sections disposed in approximately V-relation and having their adjacent edges closed to each other and a complementary wall section generally inverted channel shape in cross-section and having its base extending laterally beyond the separate edges of said two wall sections and its sides continued inwardly and respectively closed to said separate edges, resistor means disposed in said sheath, and compacted granular refractory material disposed in said sheath embedding said resistor means and serving to electrically insulate said resistor means and to conduct the heat from said resistor means to said sheath.

2,462,017

MOTOR AND BRAKE MECHANISM

Glenn D. Willits, Lee, Ind., assignor to General Electric Company, a corporation of New York

Application March 5, 1948, Serial No. 13,124
12 Claims. (Cl. 172—36)



1. A motor and brake mechanism comprising, a stator member for said motor including a core with coils, a plurality of brush holder members for said motor, a housing member for said brake, and insulating material binding all of said members together in a fixed relationship and encasing said core and coils whereby a unitary structure is provided.

2,462,018

X-RAY OPAQUE MARKING MEANS

William H. Wood, University Heights, Ohio, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application July 27, 1944, Serial No. 546,907
12 Claims. (Cl. 250—108)

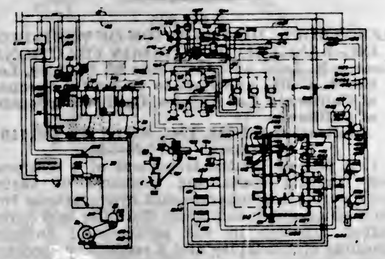
1. A marking material for blocking X-rays and the like, comprising colloidal lead and a compound of a metal of atomic weight at least 184 and a normally solid water-soluble material of wax consistency.

2,462,019

BEVERAGE DISPENSER

Wade W. Bowman, New York, N. Y.

Application January 15, 1942, Serial No. 426,822
10 Claims. (Cl. 225—26)



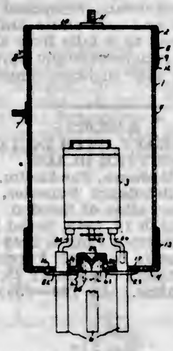
1. In a beverage dispensing mechanism in combination supply means for a plurality of fluids, means for dispensing from one or more of said supplies a predetermined total amount of fluid and means for selectively varying the constituent proportions of said total amount of fluid during the dispensing thereof.

2,462,020

METHOD AND MEANS FOR SEALING CONDUCTORS TO GLASS ENVELOPE WALLS

Palmer H. Craig, Gainesville, Fla.

Application July 2, 1945, Serial No. 604,274
4 Claims. (Cl. 250—27.5)



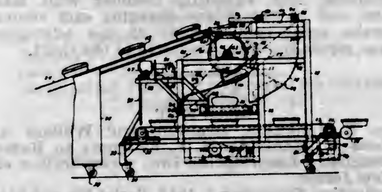
1. An evacuated envelope comprising a wall portion of thin blown glass having an opening therethrough; a portion of the glass wall surrounding the opening comprising metal and wall-glass molecularly intermingled for a substantial depth inwardly from the outer surface of the wall portion and the said outer surface having the property of being adhesive to solder; a metal element having an opening therethrough surrounded by metal of the element; an electrical conductor extending through both said openings and into the envelope and sealingly soldered to the metal element at its opening; and the metal element having a portion circumscribing the wall opening and engaging the surface of the molecularly intermingled metal and glass and sealingly soldered thereto at said circumscribing portion.

2,462,021

EXTRACTING DEVICE FOR BAKERY PRODUCTS

Hilbert John Harker, Detroit, Mich., assignor to Purity Bakeries Service Corporation, a corporation of Illinois

Application January 9, 1947, Serial No. 721,008
4 Claims. (Cl. 214—1.1)



1. In a depanning device for removing loaves of bread or the like from open-topped pans in which they are baked, the combination of conveyor means for conveying a pan of bread to a depanning station, said conveyor means including a downwardly curved section adjacent to the depanning station for at least partially inverting the pan, a lug movable with the conveyor means about the periphery of said curved section for supporting the pan during at least a part of said inverting movement, means adapted to receive

and engage a top portion of the pan during the

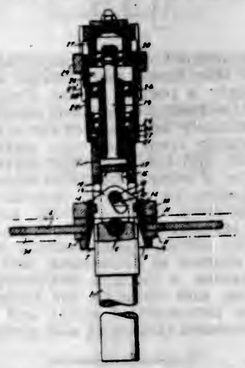
of the nut, and a cap of flexible, elastic material

to vaporize said remaining lower boiling hydrocarbons and certain of said higher boiling hydro-

than that of the air as to establish an immediate and localized turbulent mixture of air and gas about the jets under conditions of incomplete

and engage a top portion of the pan during the inverting movement to arrest the pan and jar the bread from the pan, said arresting means permitting the bread to fall by gravity and momentum from the pan, an inclined chute adapted to receive the bread as it falls from the pan, and bread re-inverting means interposed between the arresting means and said chute and adapted to intercept the bread as it falls from the pan, turn it about an axis transverse to the conveyor means, and drop it on said inclined chute in righted position.

2,462,022
CUTTER SHAFT WITH INCLINABLE CUTTER BLADE
Evert Bernhard Hedman, Stockholm, Sweden, assignor to Aktiebolaget Superior, Stockholm, Sweden, a corporation of Sweden
Application March 16, 1945, Serial No. 583,071
In Sweden June 5, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 25, 1963
5 Claims. (Cl. 144—238)



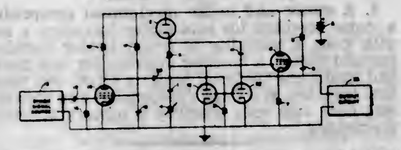
1. In a device of the class described, a driven hollow shaft, a mount pivotally carried by said shaft, a cutter disc secured to said mount, a member rotatably mounted on said shaft and fixed axially with respect thereto, an adjusting member carried solely by and axially displaceable with respect to the first-mentioned member, and means disposed within said hollow shaft and rotatably connecting said adjusting member with said mount and having means engaging said mount whereby axial displacement of the adjusting means pivots the mount relative to the shaft.

2,462,023
SEAL NUT
John E. Johanson, Boonton, and William A. Yonkers, Montville, N. J., assignors to Radio Frequency Laboratories, Inc., a corporation of New Jersey
Application November 2, 1945, Serial No. 626,243
5 Claims. (Cl. 286—29)

1. A seal nut in the under face of which is an annular groove having its center at the axis of the nut, a sealing member in said groove and projecting outwardly therefrom, said member being elastic and compressible into said groove to permit metal to metal contact between the nut and an underlying element whose upper surface is complementary to the under surface of the nut, said nut having also a continuous peripheral groove in a plane transverse to the axis of the nut, and a cap of flexible, elastic material fitted over and covering the outer portion of the nut and provided with a continuous flange sprung into the peripheral groove, the cap having in the

center an opening smaller in area than the cross-sectional area of a movable actuator adapted to extend through the same from an element upon which the nut is to be screwed.

2,462,024
SAWTOOTH WAVE GENERATOR
Lambert L. Johnson, Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation, a corporation of Indiana
Application August 16, 1947, Serial No. 769,037
7 Claims. (Cl. 250—36)



1. A saw-tooth wave generator comprising, a storage condenser, a charging circuit for said storage condenser including an impedance device, a vacuum tube having an input circuit including a control grid electrode and a cathode electrode, an impedance device connected in circuit with said cathode electrode, means including a condenser for coupling the terminals of said charging circuit impedance device respectively to said input circuit electrodes, whereby to maintain a relatively constant voltage across said charging circuit impedance device, a discharge circuit for said storage condenser including means normally having a relatively high impedance, a discharge circuit for said coupling condenser including means normally having a relatively high impedance, and means for periodically reducing the impedance of said discharge circuits, means whereby to discharge said condensers associated respectively therewith.

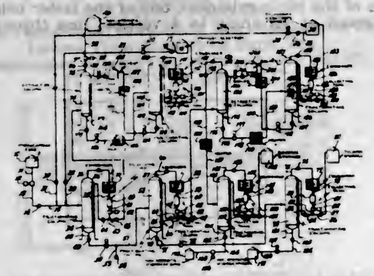
2,462,025
AZEOTROPIC DISTILLATION OF WIDE-BOILING-RANGE HYDROCARBON FRACTIONS
George R. Lake and Josephine M. Stribley, Long Beach, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application July 26, 1944, Serial No. 546,710
10 Claims. (Cl. 202—42)

1. A process for the treatment of a hydrocarbon fraction containing mixtures of various hydrocarbons to separate said hydrocarbons from each other which comprises distilling said hydrocarbon fraction in the presence of sufficient amounts of a primary and a secondary azeotrope former to vaporize certain of the lower boiling hydrocarbons together with said primary azeotrope former as an azeotrope thereby leaving said secondary azeotrope former together with the remaining lower boiling hydrocarbons and all of the higher boiling hydrocarbons contained in said hydrocarbon fraction as distillation residue, separately distilling said distillation residue

2,462,029
ADHESIVE COMPOSITIONS

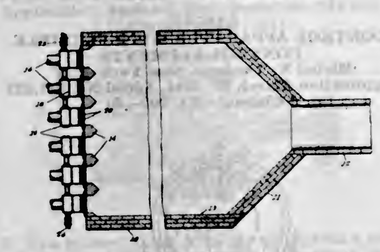
unit, including plate and impression cylinders, a folder, including upper formers, and a multi-

to vaporize said remaining lower boiling hydrocarbons and certain of said higher boiling hydrocarbons together with said secondary azeotrope former thereby leaving the remaining higher boiling hydrocarbons in the residue, said primary azeotrope former being adapted to form azeotropes with certain of the lower boiling hydrocarbons contained in said hydrocarbon fraction which azeotropes boil below the boiling point of said remaining lower boiling hydrocarbons and



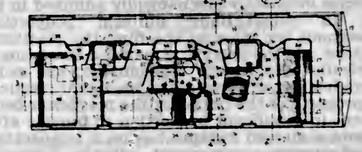
also below the boiling point of any azeotrope formed between said secondary azeotrope former and any hydrocarbons contained in said hydrocarbon fraction and said secondary azeotrope former being adapted to form azeotropes with certain of said higher boiling hydrocarbons which azeotropes boil below the boiling point of any azeotrope formed between said secondary azeotrope former and said remaining higher boiling hydrocarbons.

2,462,026
MANUFACTURE OF CARBON BLACK
William Loving, Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Original application January 8, 1943, Serial No. 471,685. Divided and this application April 30, 1946, Serial No. 666,036
3 Claims. (Cl. 23—209.8)



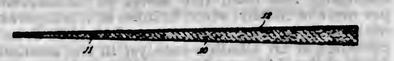
1. The process of making furnace carbon black, which includes the steps of admitting a relatively large body of air, divided into several separate parallel sheets of air, into an elongated unrestricted combustion space, injecting into the combustion space a multiplicity of small jets of carbon-containing gas arranged in rows between adjacent air sheets, flowing the jets of gas in the same general direction as the air sheets and passing directly and in a well distributed manner into the air at such higher velocity than that of the air as to establish an immediate and localized turbulent mixture of air and gas about the jets under conditions of incomplete combustion, thereby decomposing the unconsumed gas while in free space, and collecting the unburned carbon particles from the products of combustion.

2,462,027
RAILWAY SLEEPING CAR
Geodrich K. Murphy, New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 28, 1945, Serial No. 619,138
17 Claims. (Cl. 105—315)



1. In a railway sleeping car, a side aisle, a pair of adjoining rooms between said side aisle and the opposite car side wall, said pair of rooms being defined by end transverse walls and a partition separating them, longitudinally facing seats disposed adjacent the end walls of the respective rooms, the seat in one room being of materially less width than the width of the room and the width of the seat in the other room approaching the full width of the room, a pair of made-up beds in said one room normally stored against the end wall and adjacent the ceiling, respectively, of said room and movable to extend lengthwise at lower and upper levels, respectively, along said car side wall and for substantially the full length of the room when in their use position, and a pair of made-up beds in said other room normally stored behind the seat back and vertically above the seat back, respectively, and both extending lengthwise of the transverse end wall of said room and movable to horizontal use positions at lower and upper levels, respectively, the intermediate partition having means for throwing the rooms into communication.

2,462,028
SHINGLE
Martin G. O'Reilly, Chicago, Ill., assignor to Ford Roofing Products Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1946, Serial No. 686,064
3 Claims. (Cl. 108—8)



1. A thick butt shingle comprising in combination a preformed tapered self-sustaining body of fiber glass about ½ inch thick at its butt, said body being partly impregnated with asphalt to stiffen the same without rendering it rigid and providing a shingle adapted to receive and hold attaching nails, said body having bonded directly to its upper surface a thin layer of coating asphalt in which is partly imbedded a surface layer of granular mineral material.

least one of the segments, while being rotated relative to the same, the end portions of the segments being resiliently flexible at the gap and

said supports providing a channel beneath said jaws through which a workpiece held in said jaws is adapted to fall by gravity when said jaws

2,462,029
ADHESIVE COMPOSITIONS
Lloyd M. Perry, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a corporation of Massachusetts
No Drawing. Application May 25, 1945, Serial No. 595,890
7 Claims. (Cl. 260—29.1)

1. As an adhesive a normally solid, megascopically homogeneous film, non-tacking at room temperatures and activatable to adhesiveness by heat, comprising a plurality of normally solid materials substantially compatible to merge on heating to provide a substantially homogeneous mass, one of the materials being an amorphous, potentially viscid, polymeric material and another a potential plasticizer for the same, the latter being present in the form of discrete crystalline particles intimately mechanically admixed in the film in substantially uniform proportions throughout the mass of the film, the plasticizer particles and the polymeric material coexisting in physically independent individuality, but merging on heating with release of the latent plasticizing property of the particles, the plasticizer being present in significant proportion to provide after heating a merged mixture having a temperature of adhesiveness, subsequent adhesive temperature, at least 10° F. lower than the temperature of adhesiveness, initial adhesive temperature, of the original film before such heating.

2,462,030
OXYCHLORIDE CEMENTATORY MATERIAL
Edward D. F. Whitehead, Chevy Chase, Md., assignor to Whitehead-Craft Corporation, Washington, D. C., a corporation of Delaware
No Drawing. Application October 20, 1947, Serial No. 781,019
12 Claims. (Cl. 106—106)

1. A cementatory material having the following percentage composition

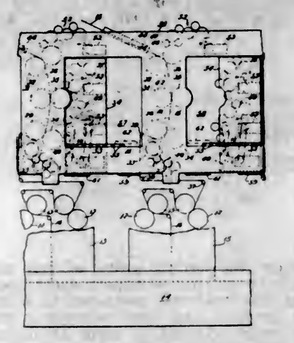
	Mole per cent
SiO_2	26–58.2
MgO	23.3–13.0
Al_2O_3	3.0–1.7
$CuSO_4.5H_2O$	1.2–0.7
$MgCl_2.6H_2O$	3.6–2.0
H_2O	43.5–24.4

2,462,031
CONDENSATION OF KETONES WITH FORMALDEHYDE
Harold Wittcoff, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 16, 1945, Serial No. 599,947
8 Claims. (Cl. 260—333)

8. Process for the production of tetrahydro-3,3,5-tris-(hydroxymethyl)-5-methyl - 4 - pyranol which comprises condensing formaldehyde with methyl ethyl ketone in a molal ratio of not substantially less than five moles of formaldehyde per mole of methyl ethyl ketone, at a temperature within the approximate range of 40–100° C. in the presence of an alkaline catalyst in the amount of from about 0.25 to 0.75 mole per mole of methyl ethyl ketone, and stopping the reaction when the reaction mixture contains largely tetrahydro-3,3,5-tris-(hydroxymethyl)-5-methyl-4-pyranol.

2,462,032
MULTICOLOR PRINTING PRESS
Otto B. Wolf, Oak Park, Ill., assignor to Tribune Company, Chicago, Ill., a corporation of Illinois
Application January 1, 1945, Serial No. 570,882
11 Claims. (Cl. 270—5)

1. In a newspaper press, a perfecting press unit, including plate and impression cylinders, a folder, including upper formers, and a multi-impression color unit of substantially the same horizontal dimensions as the perfecting unit, said units being arranged in superposed relationship and being together of a height not substantially greater than the normal height of the folder with upper formers, the color unit comprising four plate cylinders arranged in general vertical relationship, coacting impression cylinders, one of which provides the impression for two of the plate cylinders, one of the latter being disposed at an angle to a vertical line through

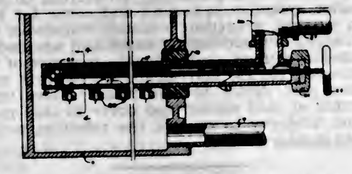


the other, said plate and impression cylinders of the color unit being of the same diameter as the corresponding cylinders of the perfecting unit, an ink motion for each plate cylinder of normal size and number of rollers for newspaper color printing, the ink motion for said angularly disposed plate cylinder being arranged substantially below the center line of the latter and beneath the other plate cylinder which coacts with said common impression cylinder, a part of such ink motion being stationary and a part thereof being movably mounted, and web guide rollers for guiding the web from the perfecting unit through the color unit to the folder.

2,462,033
CONTROL APPARATUS WITH FLEXIBLE CONTROL ELEMENTS
Michel N. Yardeny, New York, N. Y.
Application March 20, 1944, Serial No. 527,232
5 Claims. (Cl. 200—6)

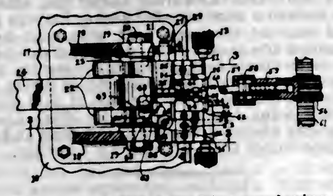
1. Control elements for a control apparatus, one element comprising substantially semi-circular electrically conducting segments separated by a gap, and another element comprising a contact arm mounted concentrically with said segments for rotation relative to the segments and slidably engaging the said segments for causing the arm to remain in slidable engagement with at least one of the segments, while being rotated relative to the same, the end portions of the segments being resiliently flexible at the gap and arranged to yield under pressure of the contact arm when both end portions are engaged by the contact arm for retaining the latter in the gap while allowing a limited relative displacement between the two control elements.

2,462,034
SPRAYING SYSTEM
Ivan Vance Zeck, Iowa Park, Tex., assignor to Lee Lavere Thompson, Iowa Park, Tex.
Application August 17, 1945, Serial No. 610,971
8 Claims. (Cl. 259—95)



1. In an insecticide spraying system, the combination of a mixing receptacle adapted to contain a spray solution, a pump, pipe connections between the pump and the receptacle to withdraw the solution from the receptacle and to direct said withdrawn solution under pressure from said pump, and horizontally arranged mixer tubes mounted in the receptacle at different elevations therein and connected with the pipe connection from the pump for directing the solution back into the receptacle to agitate the solution therein, mixing Venturi jets carried by the mixer tubes and in positions to receive the solution therefrom, and a valve for controlling the flow of the solution to at least one of the mixer tubes.

2,462,035
MACHINE FOR LOCATING SCREWHEADS WITH RESPECT TO DRILLS
Michael J. Carpinella, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application April 12, 1945, Serial No. 588,006
3 Claims. (Cl. 77—21)



1. In a cross-drilling machine employing a pair of drills arranged in common alinement and movable toward and from each other for drilling a workpiece disposed in the path of movement of said drills, a pair of workpiece clamping jaws, one of said jaws being fixed, the other jaw being slidably mounted to move toward and from the fixed jaw, both jaws having axially alined drill receiving apertures, means for automatically delivering a workpiece into position between the apertured portions of said jaws, means engaging the workpiece arranged between the jaws to rotate the same into predetermined stop position, spaced supports for said jaws, the spacing of said supports providing a channel beneath said jaws through which a workpiece held in said jaws is adapted to fall by gravity when said jaws are separated, and means in the jaw members for ejecting the workpiece therefrom when said jaws are separated.

2,462,036
ELECTRICAL CONNECTOR
Geoffrey William Clark, Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass.
Application March 6, 1945, Serial No. 581,204
In Great Britain April 13, 1944
1 Claim. (Cl. 173—328)

An electrical socket receptacle for a plug having a pin terminal prong, said receptacle comprising a pair of superposed plates separated by a washer, fastening means securing said plates in assembly and passing through said plates and washer, one plate having a rectangular aperture, a contact member disposed in said rectangular aperture including a base portion in engagement with the outer surface of said one plate, upwardly curved wing elements extending from opposite sides of the base portion through said aperture adjacent opposite edges thereof, inwardly curling contact portions at the free ends of said wing elements providing substantially parallel channels above the plane of the inner surface of said one plate, a U-shaped wire retainer member having arms passing through said channels and extending over and engaging said inner face of said one plate and a base disposed adjacent the outer rim of said washer preventing the retainer member from working free of said channels, and a pin prong-receiving aperture disposed in the other of said plates in line with said rectangular aperture.

2,462,037
SEALING AND REINFORCING TAPE
Lewis Davis and Edwin C. Tuukkanen, Worcester, Mass., assignors to McLaurin-Jones Co., Brookfield, Mass., a corporation of Massachusetts
No Drawing. Application January 11, 1943, Serial No. 472,002
3 Claims. (Cl. 117—122)

1. A sealing tape comprising a strip of backing material and a normally non-tacky coating thereon of a thermoplastic and solvent-applicable adhesive composition consisting essentially of

Ethyl cellulose	1
Hydrogenated rosin	1 to 3
Dihydro methyl abietate	0.5 to 1

2,462,038
CULVERT FORMING MACHINE
Merll L. Eckman, North West Canton, Ohio, assignor to Republic Steel Corporation, Cleveland, Ohio, a corporation of New Jersey
Application January 30, 1947, Serial No. 725,362
8 Claims. (Cl. 153—39)

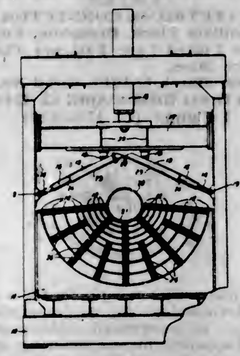
7. In an apparatus for converting substantially cylindrical shells into culverts having substan-

tially flat bottoms and arched tops, a die recessed in conformity with the desired arched top and adapted to receive a shell to be shaped, a pair of loader piston and means operated thereby to hold one of said suction valves open whereby to cause its associated compression piston to reciprocate

porting the switch device so as to be actuated upon flexing of the springs; and means operated

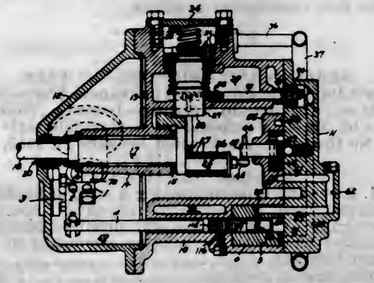
combination a plurality of pulleys feeding the strands in chain form at successively increased speed, a reed spreading the strands of the chain apart into laterally spaced relation to each other,

tially flat bottoms and arched tops, a die recessed in conformity with the desired arched top and adapted to receive a shell to be shaped, a pair of platens having substantially flat faces and disposed for engaging the shell at circumferentially spaced localities outside the die, said platens being adapted for initial engagement with the shell when the faces of the platens lie at an angle of substantially less than 180° to each other, means



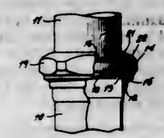
mounting the platens to rock about axes extending longitudinally relative to the shell, and means for moving the platens toward the die to flatten the shell where the platens engage it and to shape its other side against the die recess, said last-mentioned means including means for rocking the platens in a direction to enlarge the aforesaid angle between their faces as they move against the shell and toward the die.

2,462,039
COMPRESSOR UNLOADING MEANS
William F. Gibson, Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 22, 1946, Serial No. 692,269
2 Claims. (Cl. 230—26)



1. A compressor having a plurality of radially extending cylinders each of a plurality of which is adapted to be individually controlled to compress gas or to be unloaded, comprising a first assembly including a main casting, a crank shaft supported thereby, means forming a plurality of radially extending compression cylinders, compression pistons operatively connected to said crank shaft, suction valve and discharge valve assemblies carried by said main casting, a plurality of individual cylinder unloading means carried by said main casting, each comprising an unloader piston and means operated thereby to hold one of said suction valves open whereby to cause its associated compression piston to reciprocate idly, all of said unloader pistons extending toward one end of said main casting, a master valve carried by said main casting, a first end cover for said main casting, a lubricant pump carried by said end cover and including means for establishing driving connection of said pump to said crank shaft when said casting and cover are assembled, means forming a plurality of unloader cylinders in said cover, each in position to receive one of said unloader pistons when said casting and cover are assembled, said cover having a plurality of passages therethrough whereby fluid pressure created by said pump may be transmitted to said master valve and selectively therefrom to said unloader cylinders, a second end cover for said main casting, a suction pressure responsive device carried by said second cover and adapted to collapse or expand as the suction pressure of the compressor varies, and means operatively connecting said device to said master valve upon assembly of said second end cover to said main casting whereby to control the selecting action of said master valve.

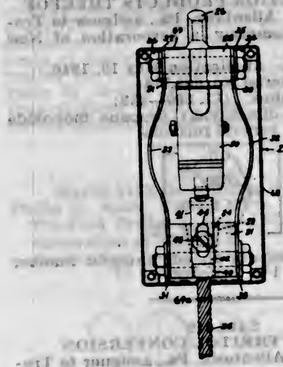
2,462,040
PIPE CONNECTION
Arthur J. Hierts, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut
Application June 19, 1945, Serial No. 600,267
3 Claims. (Cl. 285—122)



1. A pipe joint including cooperating metal male and female tapered seats formed to provide cooperatively a fluid-tight metal-to-metal junction when forced directly together, and with the male seat tapering to a smaller minimum diameter than the minimum diameter of the female seat and having a holder for a non-metallic gasket projecting forwardly therefrom, whereby when desired a non-metallic gasket may be positioned parallel the male seat with said holder restraining the gasket from sliding off due to the taper of the male seat, and a fastening for holding said seats forced together both in direct contact and when spaced by the use of said gasket, the joint being formed to provide clearance for said holder when said gasket is not used and said fastening forces the seats directly together.

2,462,041
SAFETY LINK
Robert L. Hohler, Dayton, Ohio
Application May 9, 1945, Serial No. 592,849
6 Claims. (Cl. 200—85)

6. In an electrical hoist apparatus, the combination comprising; a safety link for connecting a load to a hoist apparatus, said link including a relative fixed member and a relative movable member; bowed spring members arranged in parallel to connect the fixed member with the movable member and adapted to flex upon application of load to the link; an electric switch device for indication of overload; means for supporting the switch device so as to be actuated upon flexing of the springs; and means operated



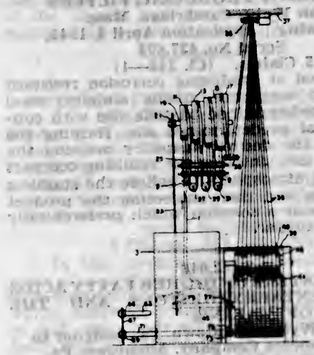
by applying the load to the link for actuating the switch.

2,462,042
CONJOINTLY POLYMERIZED UNSATURATED SUBSTANCES
Arthur M. Howald and John Leslie Jones, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application January 12, 1944, Serial No. 517,986
14 Claims. (Cl. 260—45.4)

11. A hardenable composition comprising four parts of a polymerizable unsaturated polyhydric alcohol-polycarboxylic acid polyester, and one part of a neutral ester of (1) an alcohol having the general formula: R—O—H, wherein R is of the class consisting of beta-chloro allyl and beta-methyl crotyl radicals and unsubstituted beta-gamma-olefinic radicals having from three to four carbon atoms, every R—O-radical in the neutral ester molecule being attached to a >C=O group, with (2) an acid which is an ester of (a) at least one molecule of a hydroxy carboxylic acid of the class consisting of saturated alpha-hydroxy monocarboxylic acids having from two to three carbon atoms and hydroxy benzoic acids with (b) one molecule of a polybasic acid of the class consisting of silicic, malonic, benzene dicarboxylic, biphenyl dicarboxylic, napthalene dicarboxylic, cyclo hexane dicarboxylic, chloromaleic, bromomaleic, chlorofumaric, bromofumaric, unsubstituted saturated normal dibasic acids having from five to ten carbon atoms in the molecule, and unsubstituted dibasic acids having from one to five carbon atoms in the molecule and having not more than a single olefinic unsaturation, in which there are not more than two connecting carbon atoms separating carboxy groups and not more than one carboxy group is attached to a single carbon atom.

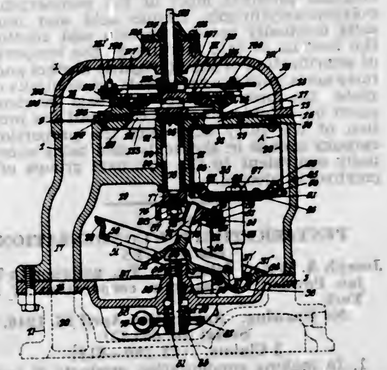
2,462,043
TENSION DEVICE FOR RUBBER COVERING MACHINES
Oscar F. Neidel, Westerly, R. I., assignor to George C. Moore Company, Westerly, R. I., a corporation of Rhode Island
Application April 23, 1946, Serial No. 664,357
14 Claims. (Cl. 57—6)

6. Apparatus for feeding elastic strands to the feed rolls of a strand covering machine having in combination a plurality of pulleys feeding the strands in chain form at successively increased speed, a reed spreading the strands of the chain apart into laterally spaced relation to each other, a roll drawing the strands through the reed and



feeding them forward in laterally spaced relation, and guide means maintaining the strands in spaced and substantially parallel relation and delivering them to the respective feed rolls of the covering machine.

2,462,044
COMPOUND MOTION DISTRIBUTING VALVE FOR EXPANSIBLE CHAMBER METERS
David S. Willson, Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Delaware
Application December 23, 1944, Serial No. 569,478
16 Claims. (Cl. 121—131)



1. In a fluid meter, the combination with displacement mechanism; of means affording a plurality of ports adapted to permit flow to and from said mechanism, each port having a straight outside wall and a curvilinear inner wall; a valve having a plurality of straight sides at its outer edge and having a curved inner edge; means operatively associated with said displacement mechanism for operating said valve; and means

for maintaining each outer straight side of said

substantial excess of concentrated sulfuric acid

nected thereto, and provided with a free end conforming substantially to the interior contour of a

for maintaining each outer straight side of said valve in parallelism with the outside straight wall of the respective port controlled.

2,462,045
METHOD OF PRODUCING FILTERS
John Wulff, Cambridge, Mass.
No Drawing. Application April 4, 1942, Serial No. 437,693
5 Claims. (Cl. 148—4)

1. A method of producing corrosion resistant filters which comprises mixing stainless steel powder of predetermined particle size with copper powder of predetermined size, forming the powder into the desired shape by pressing the mixture in a die; sintering the resulting compact in a reducing atmosphere to cohere the stainless steel particles and then subjecting the product to the action of a solution which preferentially dissolves the copper.

2,462,046
RESINOUS ESTERS OF HIGHER FATTY ACIDS WITH PENTAERYTHRITOLS AND THE METHOD OF MAKING
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, Allentown, Pa.
No Drawing. Application January 13, 1945, Serial No. 572,746
4 Claims. (Cl. 260—22)

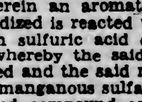
1. The process of preparing a synthetic resinous material which, when applied as a coating film, gives a wrinkled finish, the process comprising heating in an atmosphere of sulfur dioxide a mixture of fatty acids selected from the group consisting of the fatty acids of linseed oil and the fatty acids of soya bean oil, a condensing agent selected from the group consisting of aromatic polycarboxylic acids and their anhydrides, and a polyhydric alcohol selected from the group consisting of pentaerythritol, tripentaerythritol and the syrupy organic polyhydroxy product resulting from preparing pentaerythritol by condensing formaldehyde and acetaldehyde in alkaline media and then removing from the reaction products most of the pentaerythritol, polypentaerythritols, formic acid and mineral salts originally present therein and continuing the heating of said mixture at the temperature of esterification of the polyhydric alcohol and the fatty acids until the reaction is substantially complete, the proportion of the said condensing agent by weight being less than half the proportion of the fatty acids and the proportion of carboxy groups in the acids used being substantially equivalent to the hydroxyl groups of the polyhydric alcohol.

2,462,047
PENTAERYTHRITOL CONDENSATION PRODUCTS
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application April 26, 1946, Serial No. 665,321
3 Claims. (Cl. 260—615)

1. In making condensation products of pentaerythritols, the method which comprises forming a mixture of the selected pentaerythritol with 0.1 to 1 part of sulfuric acid for 100 parts of the pentaerythritol, heating the resulting mixture to a temperature of 200° to 270° C., and continuing the heating to maintain the mixture in fluid condition until test shows reduction of the hydroxyl content to approximately 26% to 40.1% of the weight of the remaining pentaerythritol compound.

2,462,048
EPOXY TETRAMETHYLOL METHANE AND POLYMERIZATION PRODUCTS THEREOF
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application May 10, 1946, Serial No. 668,774
6 Claims. (Cl. 260—333)

1. A 1,3-(2,2 dimethylol) propane monoxide compound of the general formula



in which X represents an odd integral number within the range 1 to 7 inclusive.

2,462,049
PENTAERYTHRITOL CONVERSION
Joseph A. Wyler, Allentown, Pa., assignor to Trojan Powder Company, a corporation of New York
No Drawing. Application May 10, 1946, Serial No. 668,775
4 Claims. (Cl. 260—615)

1. In making condensation products of pentaerythritol, the method which comprises forming a mixture of a compound selected from the group consisting of pentaerythritol, dipentaerythritol and tripentaerythritol with a salt selected from the group consisting of stannous chloride, cadmium chloride, aluminum sulfate, aluminum chloride and lead chloride in the proportion of 0.3 to 10 parts for 100 parts by weight of the said mixture, heating the mixture to a temperature of 220° to 265° C. to cause evolution of water from the said compound and continuing the heating until the amount of water evolved is 5 to 9.9 parts for 100 parts by weight of the said compound.

2,462,050
RECOVERY AND RECYCLING OF MANGANIC SULFATE PASTE IN ORGANIC OXIDATIONS
Bernhard G. Zimmerman, Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application May 5, 1945, Serial No. 592,252
1 Claim. (Cl. 260—637)

In the process of oxidizing aromatic organic compounds wherein an aromatic organic compound to be oxidized is reacted with a manganic sulfate paste in sulfuric acid of from 55–65% concentration whereby the said aromatic compound is oxidized and the said manganic sulfate is converted to manganous sulfate and the thus-obtained oxidized compound separated from a mother liquid containing said manganous sulfate, the process of recovering said manganous sulfate and converting it back into a manganic sulfate paste suitable for use in said oxidation process, which comprises treating said mother liquid containing manganous sulfate with an alkali metal carbonate to precipitate manganous carbonate and mixing the thus-obtained manganous carbonate with sulfuric acid at a temperature below 70° C. to form a paste of manganous sulfate in sulfuric acid, cooling the mixture to about 30° C. and adding a slight excess of manganese dioxide thereto, heating the thus-obtained mixture containing a slight excess of manganese dioxide to about 60° C. and adding a substantial excess of concentrated sulfuric acid thereto and thereafter heating the thus-obtained mixture containing an excess of sulfuric acid to about 120° C. to complete the conversion of manganous sulfate to manganic sulfate and form a paste of manganic sulfate in sulfuric acid, adjusting the concentration of sulfuric acid in said paste to 55–65% concentration and using the thus-obtained sulfuric acid paste of manganic sulfate in the oxidation step specified.

2,462,051
RACK FOR HOUSEHOLD UTENSILS
Philip D. Starr, College Park, Md., assignor to Tre-Fold Products, Inc., College Park, Md., a corporation of Maryland
Application June 23, 1947, Serial No. 756,398
10 Claims. (Cl. 211—89)

1. A device of the class described comprising a resilient clip having a base, and a curved body portion in spaced relation to the base and connected thereto, and provided with a free end conforming substantially to the interior contour of a utensil to engage the cup portion of the utensil, and an opposed resilient curved clip connected to said first clip and bearing against the body portion of the first clip to engage the foot portion of the utensil and maintain it with its edge substantially perpendicular to the base of the clip.

2,462,052
METHOD OF CONVERTING SECONDARY AMINES TO NITRAMINES
George F. Wright, Toronto, Ontario, and Walter John Chute, Kentville, Nova Scotia, Canada, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada, a corporation of Canada
No Drawing. Application December 30, 1944, Serial No. 570,814
3 Claims. (Cl. 260—247)

1. In the preparation of a secondary nitramine of a compound of the group consisting of di-n-butylamine and morpholine, the method which comprises reacting the nitrate salt of one of said compounds with nitric acid and a lower fatty acid anhydride in the presence of a catalyst selected from a group consisting of hydrogen chloride and the chlorides of zinc, iron and aluminium.

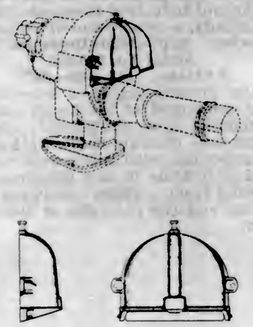
152,672
DESIGN FOR A JEWELRY PENDANT OR

152,674
DESIGN FOR A MARINE VESSEL

DESIGNS

FEBRUARY 15, 1949

152,668
DESIGN FOR A HEATING OIL BURNER OR SIMILAR ARTICLE
Reginald W. Beckett, Elyria, Ohio
Application June 12, 1947, Serial No. 139,598
Term of patent 14 years
(Cl. D61—2)

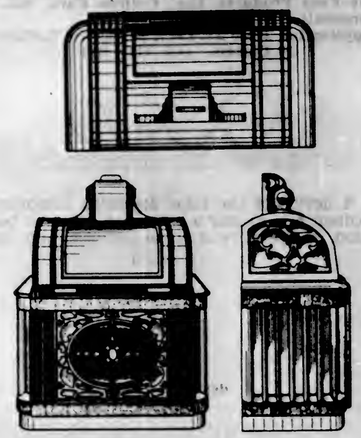


The ornamental design for a heating oil burner or similar article, substantially as shown and described.

152,669
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Henry Bogoff, Chicago, Ill., assignor to Spear Novelty Co., Chicago, Ill., a copartnership
Application December 1, 1948, Serial No. 149,909
Term of patent 7 years
(Cl. D45—19)

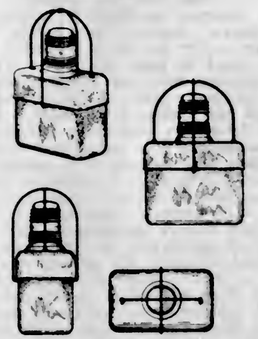
The ornamental design for a brooch or similar article, substantially as shown.

152,670
DESIGN FOR A PHONOGRAPH CABINET
Russell E. Brandenburger, Sr., Shelbyville, Ind., assignor to Packard Manufacturing Corporation, Indianapolis, Ind., a corporation
Application July 21, 1947, Serial No. 140,440
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a phonograph cabinet, as shown.

152,671
DESIGN FOR A PORTABLE SIGNAL LIGHT OR SIMILAR ARTICLE
Eugene C. Briggs, Dayton, Ohio, assignor, by mesne assignments, to Emarco Corporation, Chicago, Ill., a corporation of Illinois
Application March 13, 1947, Serial No. 137,597
Term of patent 14 years
(Cl. D72—1)

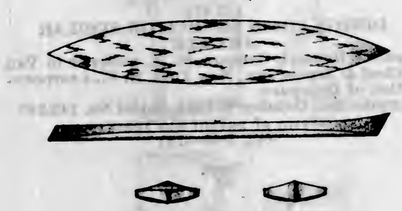


The ornamental design for a portable signal light or similar article, substantially as shown.

152,674
DESIGN FOR A JEWELRY PENDANT OR SIMILAR ARTICLE
Michael Chernow, New York, N. Y.
Application November 17, 1948, Serial No. 149,683
Term of patent 14 years
(Cl. D45—15)

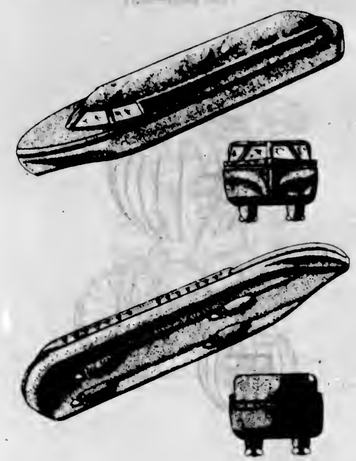
The ornamental design for a jewelry pendant or similar article, substantially as shown.

152,673
DESIGN FOR A CRUISE BOARD
Charles H. Clark, Mill Valley, Calif., assignor, by decree of court and assignments, of one-half to Julia D. Clark and one-half to Paul F. Schumacher, San Francisco, Calif.
Application May 9, 1947, Serial No. 138,944
Term of patent 14 years
(Cl. D71—1)



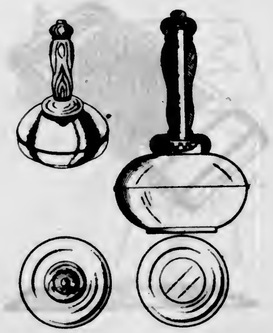
The ornamental design for a cruise board, as shown.

152,674
DESIGN FOR A MARINE VESSEL
William Costa, San Diego, Calif.
Application July 16, 1947, Serial No. 140,320
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a marine vessel, substantially as shown.

152,675
DESIGN FOR A COCKTAIL SHAKER
Andrew Cravaritis, Roslyn, N. Y.
Application January 22, 1947, Serial No. 136,288
Term of patent 7 years
(Cl. D2—3)



The ornamental design for a cocktail shaker, substantially as shown.

152,680
DESIGN FOR A BROOCH OR SIMILAR

152,683
DESIGN FOR A BOTTOM MEMBER FOR MILK

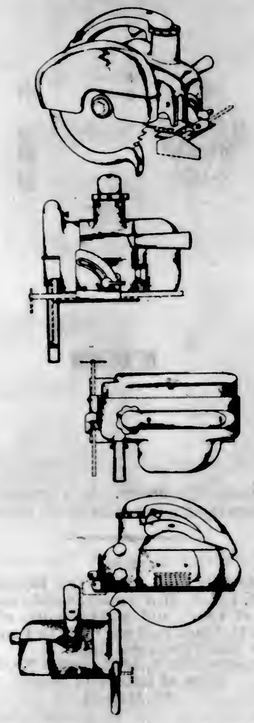
152,676
DESIGN FOR A COOKY JAR, OR SIMILAR ARTICLE
Valeria de Marsa, Los Angeles, Calif., assignor to Triangle Studios, El Monte, Calif., a copartnership
Application November 28, 1947, Serial No. 142,844
Term of patent 14 years
(Cl. D58—25)

The ornamental design for a cooky jar, or similar article, substantially as shown.

152,677
DESIGN FOR A VEGETABLE CUTTER
Ralph P. De Vault, Arcadia, Calif.
Application August 29, 1947, Serial No. 141,112
Term of patent 14 years
(Cl. D89—1)

The ornamental design for a vegetable cutter, as shown.

152,678
DESIGN FOR A ROTARY POWER HANDSAW
Francis D. Dolan, Toledo, and Louis Vavrik, Rossford, Ohio, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio, a corporation of Ohio
Application May 23, 1947, Serial No. 139,320
Term of patent 14 years
(Cl. D93—3)



The ornamental design for a rotary power handsaw, substantially as shown and described.

152,679
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application October 6, 1948, Serial No. 148,985
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

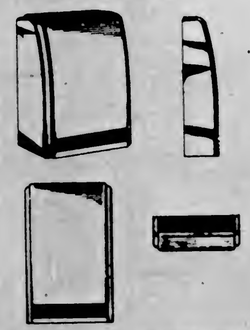
152,680
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application October 26, 1948, Serial No. 149,294
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,681
DESIGN FOR AN EAR CLIP OR SIMILAR ARTICLE
Maurice Duvalet, Congers, N. Y., assignor to Van Cleef & Arpels, Inc., New York, N. Y., a corporation of Delaware
Application October 28, 1948, Serial No. 149,343
Term of patent 3½ years
(Cl. D45—9)

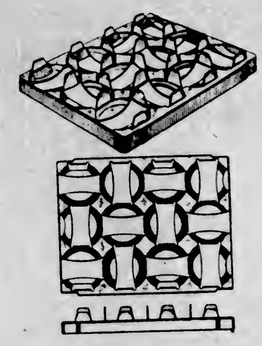
The ornamental design for an ear clip or similar article, substantially as shown.

152,682
DESIGN FOR A GAS CONSOLE HEATER CABINET OR SIMILAR ARTICLE
Harve D. Edwards, Los Angeles, Calif., assignor to Rheem Manufacturing Company, Richmond, Calif., a corporation of California
Application July 7, 1947, Serial No. 140,141
Term of patent 14 years
(Cl. D81—10)



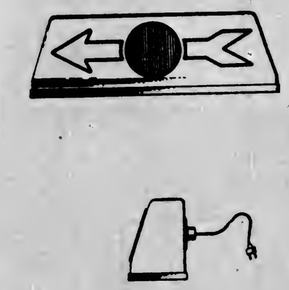
The ornamental design for a gas console heater cabinet or similar article, as shown.

152,683
DESIGN FOR A BOTTOM MEMBER FOR MILK BOTTLE CARRYING CASES AND THE LIKE
Ernest R. Erickson, Des Moines, Iowa, assignor to C. E. Erickson Company, Inc., Des Moines, Iowa, a corporation of Iowa
Application January 12, 1948, Serial No. 143,668
Term of patent 14 years
(Cl. D58—13)



The ornamental design for a bottom member for milk bottle carrying cases and the like, substantially as shown.

152,684
DESIGN FOR AN EMERGENCY AUTOMOBILE LIGHT
Joseph Feits, Jersey City, N. J.
Application April 16, 1946, Serial No. 128,659
Term of patent 14 years
(Cl. D48—32)



The ornamental design for an emergency automobile light, as shown.

152,685
DESIGN FOR A BOTTLE OR SIMILAR

152,687
DESIGN FOR A TABLE

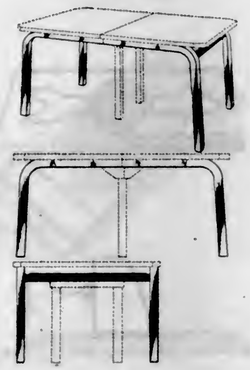
152,689
DESIGN FOR AN ALBUM HOLDER

152,691
DESIGN FOR A SOLDERER HOUSING

152,685
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Elizabeth N. Graham, New York, N. Y.
Application December 2, 1947, Serial No. 142,912
Term of patent 14 years
(Cl. D58—6)

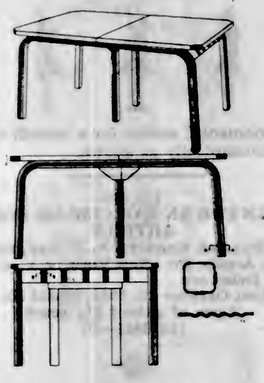
The ornamental design for a bottle or similar article, substantially as shown and described.

152,686
DESIGN FOR A TABLE
Lurelle Guild, New York, N. Y., and Carlton G. Towne, Pittsburgh, Pa., assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application July 26, 1947, Serial No. 140,542
Term of patent 14 years
(Cl. D33—14)



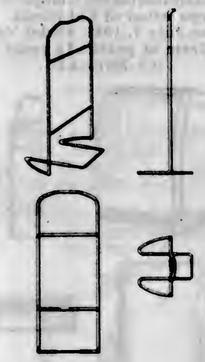
The ornamental design for a table, substantially as shown and described.

152,687
DESIGN FOR A TABLE
Lurelle Guild, New York, N. Y., and Carlton G. Towne, Pittsburgh, Pa., assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa., a corporation of Pennsylvania
Application July 26, 1947, Serial No. 140,543
Term of patent 14 years
(Cl. D33—14)



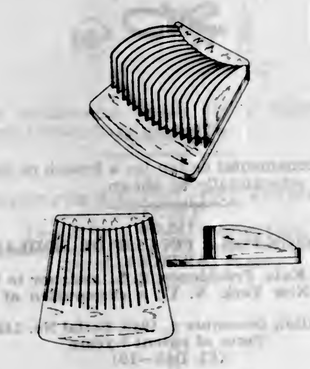
The ornamental design for a table, substantially as shown.

152,688
DESIGN FOR A CLOTHES HANGER
Harry S. Hammond, Garden City, N. Y.
Application May 27, 1947, Serial No. 139,313
Term of patent 3½ years
(Cl. D33—8)



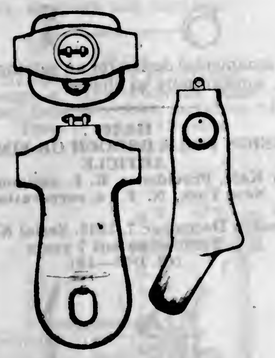
The ornamental design for a clothes hanger, substantially as shown.

152,689
DESIGN FOR AN ALBUM HOLDER
Robert P. Mann, Cleveland, Ohio
Application July 3, 1947, Serial No. 140,086
Term of patent 14 years
(Cl. D33—2)



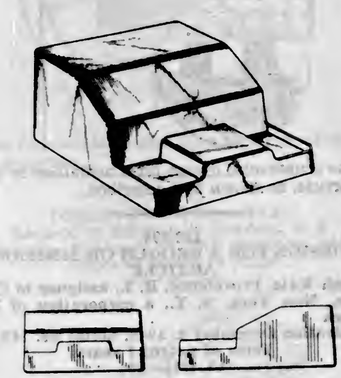
The ornamental design for an album holder, as shown.

152,690
DESIGN FOR A DUMMY FOR TESTING PARACHUTES
William U. Hehwieler, Morrisville, Pa.
Application July 25, 1946, Serial No. 131,904
Term of patent 14 years
(Cl. D71—1)



The ornamental design for a dummy for testing parachutes, substantially as shown.

152,691
DESIGN FOR A SOLDERER HOUSING
Willard J. Humpal and Benhard G. Reimers, Boulder, Colo.
Application May 9, 1947, Serial No. 138,934
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a solderer housing, as shown.

152,692
DESIGN FOR A MEDAL OR SIMILAR ARTICLE
Thomas H. Jones, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application July 29, 1947, Serial No. 140,575
Term of patent 14 years
(Cl. D29—19)

The ornamental design for a medal or similar article, as shown and described.

152,693
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE

152,697
DESIGN FOR A BROOCH OR SIMILAR ARTICLE

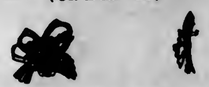
152,701
DESIGN FOR A FINDING FOR JEWELRY
Adolph Katz, Providence, R. I., assignor to Coro,

152,702—Continued

152,693
DESIGN FOR A MEDALLION OR SIMILAR ARTICLE
Thomas H. Jones, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application July 29, 1947, Serial No. 140,577
Term of patent 14 years
(Cl. D29—19)

The ornamental design for a medallion or similar article, as shown and described.

152,694
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,987
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

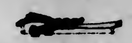
152,695
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,988
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,696
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,989
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,697
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,990
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

152,698
DESIGN FOR A PIN CLIP OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,994
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a pin clip or similar article, substantially as shown.

152,699
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,996
Term of patent 7 years
(Cl. D45—9)

The ornamental design for an earring or similar article, substantially as shown.

152,700
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,017
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,701
DESIGN FOR A FINDING FOR JEWELRY
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,018
Term of patent 7 years
(Cl. D45—1)

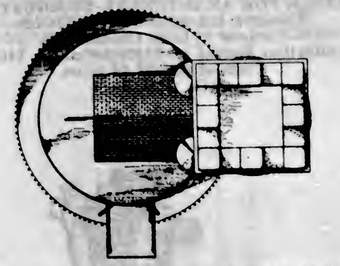
The ornamental design for a finding for jewelry, substantially as shown.

152,702
DESIGN FOR A DECORATIVE ARTIFICIAL CANDLE
George W. Kellogg, Denver, Colo.
Application July 2, 1946, Serial No. 131,270
Term of patent 14 years
(Cl. D73—1)

The ornamental design for a decorative artificial candle, as shown and described.

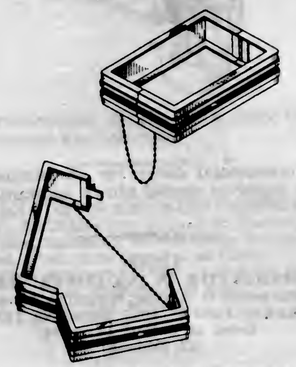
152,703
DESIGN FOR A BUILDING
Joseph A. King, Whitman, Mass.
Application October 1, 1947, Serial No. 141,704
Term of patent 14 years
(Cl. D13—1)

152,703—Continued



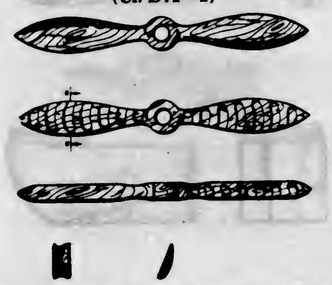
The ornamental design for a building, as shown and described.

152,704
DESIGN FOR A BRACELET
Leopold D. Kline, Kew Gardens, N. Y.
Application February 19, 1948, Serial No. 144,592
Term of patent 14 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

152,705
DESIGN FOR AN AIRPLANE PROPELLER BLADE
Arthur P. Leahy, Queens Village, N. Y.
Application June 13, 1947, Serial No. 139,637
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane propeller blade, as shown.

152,706
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,019
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,707
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,020
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,708
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 7, 1948, Serial No. 150,021
Term of patent 7 years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

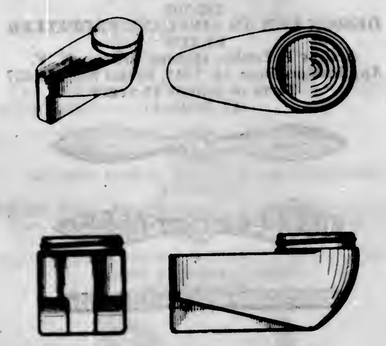
152,710
DESIGN FOR A PORTABLE UPRIGHT

152,711
DESIGN FOR A BOOK-HOLDING LAMP

152,706
DESIGN FOR AN INTERNAL-COMBUSTION ENGINE OR SIMILAR ARTICLE
Casimir E. Leja, Chicago, Ill.
Application August 14, 1947, Serial No. 140,858
Term of patent 14 years
(Cl. D71—1)

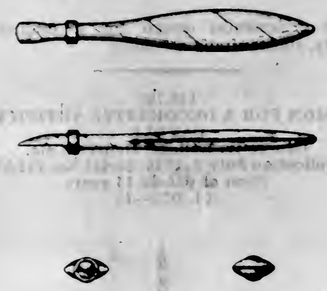
The ornamental design for an internal-combustion engine or similar article, substantially as shown.

152,707
DESIGN FOR AN INK CONTAINER
Raymond O. Letsch, Waterloo, Iowa
Application June 13, 1947, Serial No. 139,671
Term of patent 14 years
(Cl. D74—8)



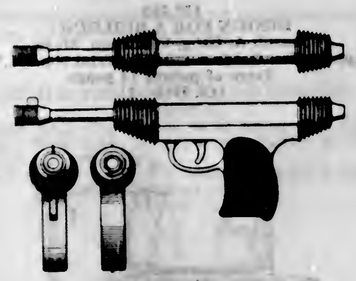
The ornamental design for an ink container, as shown.

152,708
DESIGN FOR A CUTICLE TOOL
Daniel S. Levnaich, Chicago, Ill., assignor to Four-O-Matic Corporation, Chicago, Ill., a corporation of Illinois
Application December 5, 1947, Serial No. 142,970
Term of patent 14 years
(Cl. D66—10)



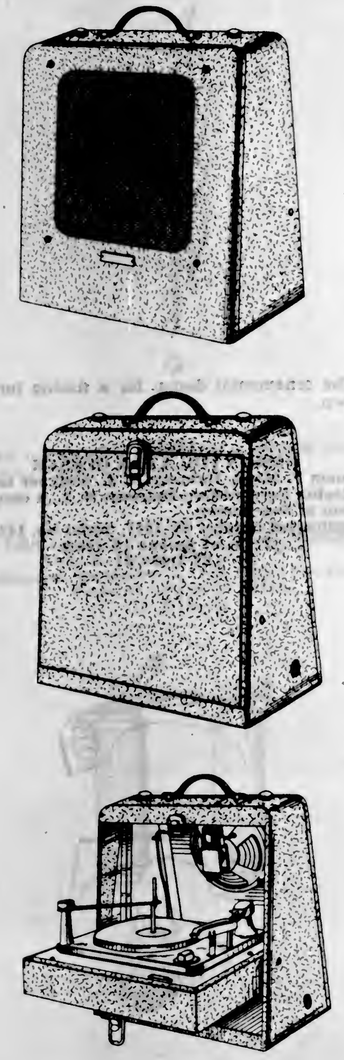
The ornamental design for a cuticle tool, substantially as shown.

152,709
DESIGN FOR A TOY PISTOL
Peter Lim, Los Angeles, Calif.
Application June 30, 1947, Serial No. 140,015
Term of patent 3½ years
(Cl. D34—15)



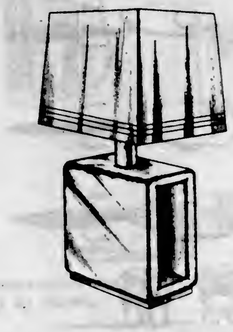
The ornamental design for a toy pistol, as shown.

152,710
DESIGN FOR A PORTABLE UPRIGHT PHONOGRAPH OR THE LIKE
Stuart F. Leuchheim, Beth Ayres, Pa., assignor to Amplitone, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application September 6, 1947, Serial No. 141,237
Term of patent 14 years
(Cl. D56—4)



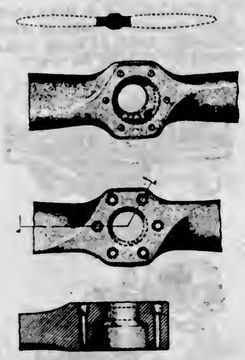
The ornamental design for a portable upright phonograph or the like, as shown.

152,711
DESIGN FOR A BOOK-HOLDING LAMP
Martha Michaelson Lund, Chicago, Ill.
Application May 31, 1946, Serial No. 130,248
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a book-holding lamp, as shown and described.

152,712
DESIGN FOR AN AIRCRAFT PROPELLER
Ernest G. McCauley and Sidney M. Gamsu, Dayton, Ohio, assignors to McCauley Corporation, Dayton, Ohio, a corporation of Ohio
Application January 10, 1947, Serial No. 136,054
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an aircraft propeller, substantially as shown and described.

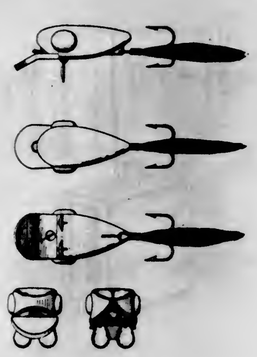
152,713

152,715
DESIGN FOR A FISHING LURE

152,717
DESIGN FOR A WRITING INSTRUMENT

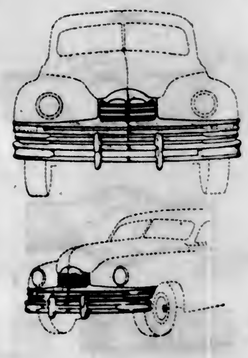
152,719
DESIGN FOR A FLASHLIGHT
Arthur W. Miller, Irvington, N. J.

152,713
DESIGN FOR A FISH LURE
Jesse L. McCollum, Kaufman, Tex.
Application May 12, 1947, Serial No. 139,000
Term of patent 7 years
(Cl. D31—4)



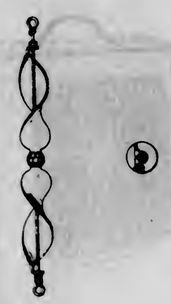
The ornamental design for a fish lure, as shown.

152,714
DESIGN FOR A COMBINED MOTOR VEHICLE GRILLE AND BUMPER
Edward Macauley, Grosse Pointe Farms, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application September 12, 1947, Serial No. 141,333
Term of patent 14 years
(Cl. D14—18)



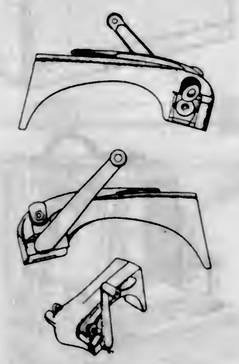
The ornamental design for a combined motor vehicle grille and bumper or similar article, substantially as shown and described.

152,715
DESIGN FOR A FISHING LURE
Jay A. Mackey, Bridgeport, Conn.
Application February 12, 1948, Serial No. 144,430
Term of patent 7 years
(Cl. D31—4)



The ornamental design for a fishing lure, as shown.

152,716
DESIGN FOR A CAN OPENER
Lannon F. Mead, Rahway, N. J., assignor to The Regina Corporation, Rahway, N. J., a corporation of New Jersey
Application October 29, 1947, Serial No. 142,194
Term of patent 14 years
(Cl. D22—2)

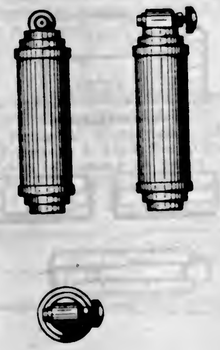


The ornamental design for a can opener, as shown.

152,717
DESIGN FOR A WRITING INSTRUMENT
Charles L. Metzler, Palisades Park, N. J., assignor to Stratford Pen Corporation, New York, N. Y., a corporation of New York
Application November 1, 1947, Serial No. 142,256
Term of patent 14 years
(Cl. D74—17)

The ornamental design for a writing instrument, as shown and described.

152,718
DESIGN FOR A FIRE EXTINGUISHER
Alvin B. Meyer, New York, N. Y.
Application September 5, 1947, Serial No. 141,215
Term of patent 14 years
(Cl. D16—2)



The ornamental design for a fire extinguisher, as shown.

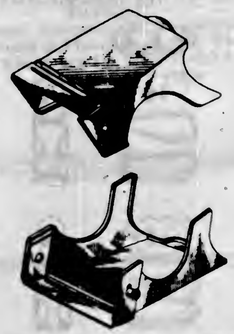
152,719
DESIGN FOR A FLASHLIGHT
Arthur W. Miller, Irvington, N. J.
Application October 17, 1946, Serial No. 134,019
Term of patent 14 years
(Cl. D48—24)

The ornamental design for a flashlight, substantially as shown.

152,720
DESIGN FOR A SOFA
James Mont, New York, N. Y.
Application February 5, 1947, Serial No. 136,713
Term of patent 7 years
(Cl. D15—11)

The ornamental design for a sofa, substantially as shown and described.

152,721
DESIGN FOR A VEGETABLE SLICER
Nathan K. Morris, Asbury Park, N. J.
Application April 13, 1948, Serial No. 145,679
Term of patent 14 years
(Cl. D89—1)

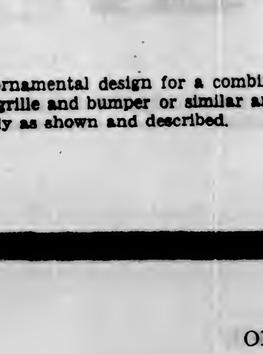


The ornamental design for a vegetable slicer, as shown.

152,722
DESIGN FOR A SHOE
Ralph Nelson, Brockton, Mass., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 142,195
Term of patent 14 years
(Cl. D2—1)

The ornamental design for a shoe, as shown.

152,723
DESIGN FOR A SHOE
Ralph Nelson, Brockton, Mass., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 142,196
Term of patent 14 years
(Cl. D2—1)



The ornamental design for a shoe, as shown.

152,724
DESIGN FOR A SHOE
Ralph Nelson, Brockton, Mass., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 142,197
Term of patent 14 years
(Cl. D2—1)

The ornamental design for a shoe, as shown.

152,725
DESIGN FOR A SHOE
Ralph Nelson, Brockton, Mass., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 142,198
Term of patent 14 years
(Cl. D2—1)

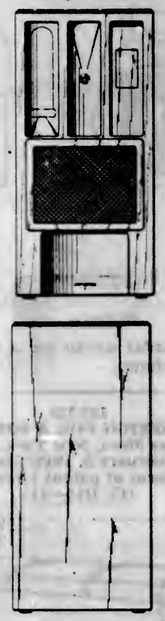
The ornamental design for a shoe, as shown.

152,726
DESIGN FOR A SHOE
Ralph Nelson, Brockton, Mass., assignor to Endicott Johnson Corporation, Endicott, N. Y., a corporation of New York
Application October 29, 1947, Serial No. 142,199
Term of patent 14 years
(Cl. D2—1)

The ornamental design for a shoe, as shown.

152,728
DESIGN FOR A NECKLACE OR SIMILAR

152,722
DESIGN FOR A WATER COOLER
Samuel O. Morrison, Pine Ridge, Pa.
Application September 29, 1947, Serial No. 141,636
Term of patent 14 years
(Cl. D67—4)



The ornamental design for a water cooler, as shown and described.

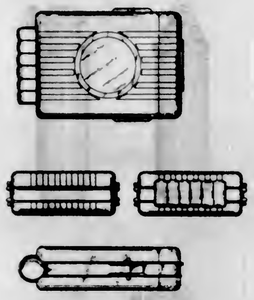
152,723
DESIGN FOR A PERFUME BOTTLE
Alfred Newman, New York, N. Y., assignor to Bombi Perfumer, Inc., New York, N. Y., a corporation of Delaware
Application August 5, 1947, Serial No. 140,712
Term of patent 14 years
(Cl. D58—8)

The ornamental design for a perfume bottle, as shown.

152,724
DESIGN FOR A CONTAINER CAP OR SIMILAR ARTICLE
George Pavlinetz, Carteret, N. J.
Application December 17, 1947, Serial No. 143,181
Term of patent 14 years
(Cl. D68—26)

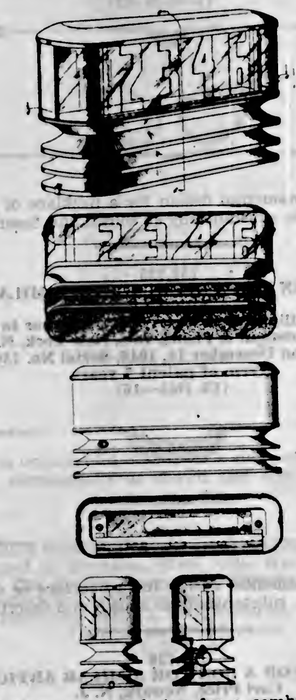
The ornamental design for a container cap or similar article, as shown.

152,725
DESIGN FOR A BEAUTY COMPACT
Sumas Payne, Chicago, Ill.
Application November 20, 1947, Serial No. 142,694
Term of patent 3½ years
(Cl. D86—16)



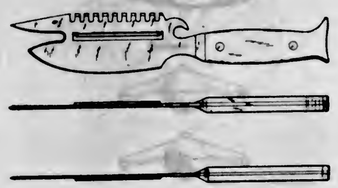
The ornamental design for a beauty compact, as shown and described.

152,726
DESIGN FOR A COMBINED PORCH LIGHT AND ILLUMINABLE HOUSE NUMERAL INDICATOR
David R. Pennell, Lakewood, Ohio
Application August 6, 1947, Serial No. 140,733
Term of patent 7 years
(Cl. D48—20)



The ornamental design for a combined porch light and illuminable house numeral indicator, as shown and described.

152,727
DESIGN FOR A SPORTSMAN'S COMBINATION KNIFE AND UTILITY TOOL
John X. Peterson, Minneapolis, Minn.
Application February 9, 1948, Serial No. 144,368
Term of patent 14 years
(Cl. D22—3)

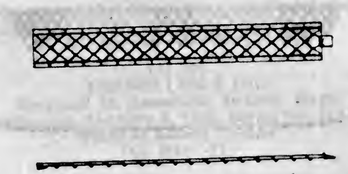


The ornamental design for a sportsman's combination knife and utility tool, as shown.

152,728
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 6, 1948, Serial No. 149,521
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown.

152,729
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 8, 1948, Serial No. 149,525
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

152,730
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 15, 1948, Serial No. 149,629
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown.

152,731

152,734

152,737
DESIGN FOR A SUN GOGGLE OR THE LIKE

152,739
DESIGN FOR A CONDIMENT SHAKER

152,731
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 18, 1948, Serial No. 149,694
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,732
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application November 18, 1948, Serial No. 149,695
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,733
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 10, 1948, Serial No. 150,087
Term of patent 7 years
(Cl. D45—4)

The ornamental design for a bracelet or similar article, substantially as shown and described.

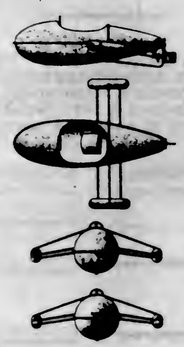
152,734
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1948, Serial No. 150,143
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,735
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Alfred Philippe, Scarsdale, N. Y., assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y.
Application December 14, 1948, Serial No. 150,144
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,736
DESIGN FOR A BOAT OR SIMILAR ARTICLE
Carl Price, Newark, N. J.
Application June 18, 1947, Serial No. 139,786
Term of patent 3½ years
(Cl. D71—1)



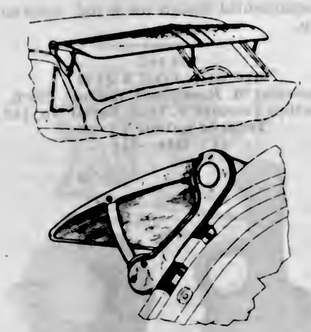
The ornamental design for a boat or similar article, as shown.

152,741

152,737
DESIGN FOR A SUN GOGGLE OR THE LIKE
Harry C. Richards, Morristown, N. J., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass., a corporation of Massachusetts
Application September 21, 1946, Serial No. 133,489
Term of patent 14 years
(Cl. D57—1)

The ornamental design for a sun goggle or the like, substantially as shown and described.

152,738
DESIGN FOR A VEHICLE WINDSHIELD VISOR
Howard C. Riemann, West Allis, Wis., assignor to The Fulton Company, Milwaukee, Wis., a corporation of Wisconsin
Application April 21, 1947, Serial No. 138,516
Term of patent 14 years
(Cl. D14—6)



The ornamental design for a vehicle windshield visor, substantially as shown and described.

152,739
DESIGN FOR A CONDIMENT SHAKER
Dale Arden Rode, Arkansaw, Wis.
Application April 22, 1947, Serial No. 138,534
Term of patent 3½ years
(Cl. D44—22)

The ornamental design for a condiment shaker, as shown.

152,740
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1946, Serial No. 143,608
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,742

152,743

152,744

152,745

152,746

152,747

152,748

152,741
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,610
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,742
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,612
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,743
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,614
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,744
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,615
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,745
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,616
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

152,746
DESIGN FOR A JUG
Emanuel M. Rosenthal, Detroit, Mich.
Application January 9, 1948, Serial No. 143,617
Term of patent 7 years
(Cl. D44—21)

The ornamental design for a jug, substantially as shown.

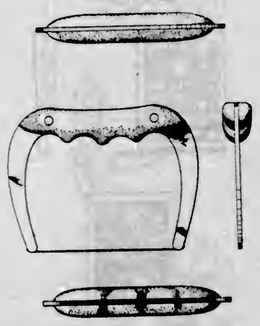
152,747
DESIGN FOR A COMBINATION PEN RACK AND DESK UNIT
Paul Rossi, Warren, Ohio
Application June 24, 1947, Serial No. 139,893
Term of patent 14 years
(Cl. D74—1)

The ornamental design for a combination pen rack and desk unit, as shown and described.

152,748
DESIGN FOR A RADIO AND TABLE CABINET COMBINATION
Wallace Schier, Forest Hills, and David L. Doggett, Mount Kisco, N. Y., assignors to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application January 11, 1947, Serial No. 136,076
Term of patent 3½ years
(Cl. D56—4)

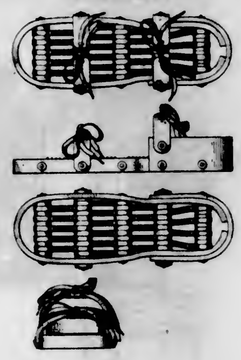
The ornamental design for a radio and table cabinet combination, substantially as shown and described.

152,749
DESIGN FOR A CHEESE SLICER OR THE LIKE
William Selikoff and William B. McBride, Buffalo, N. Y., assignors to Meteor Manufacturing Corp., Buffalo, N. Y., a corporation of New York
Application January 26, 1948, Serial No. 144,016
Term of patent 7 years
(Cl. D22—3)



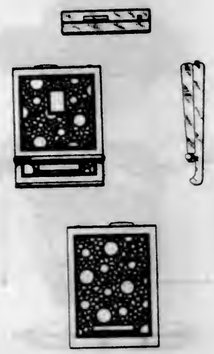
The ornamental design for a cheese slicer or the like, as shown.

152,750
DESIGN FOR AN UNDERSHOE
Harry Shapiro, Augusta, Ga.
Application October 29, 1948, Serial No. 149,379
Term of patent 14 years
(Cl. D7—7)



The ornamental design for an undershoe, substantially as shown.

152,751
DESIGN FOR A MATCH BOOK CASE
Robert Thomas Sporman, Essex County, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a corporation of Delaware
Application January 22, 1948, Serial No. 143,976
Term of patent 3½ years
(Cl. D48—28)

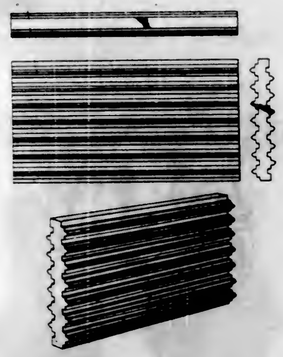


The ornamental design for a match book case, substantially as shown.

152,752
DESIGN FOR A NECKLACE OR LIKE ARTICLE
Harry Steinbach, New York, N. Y.
Application April 1, 1947, Serial No. 138,083
Term of patent 3½ years
(Cl. D45—16)

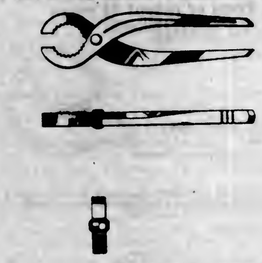
The ornamental design for a necklace or like article, substantially as shown and described.

152,753
DESIGN FOR A METAL ANODE
Joe A. Stone, Chicago, Ill., assignor of one-half to Millard A. Stone, Chicago, Ill.
Application October 2, 1946, Serial No. 133,694
Term of patent 14 years
(Cl. D26—1)



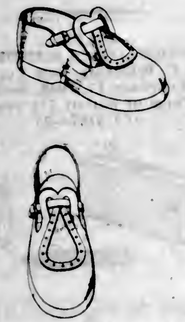
The ornamental design for a metal anode, as shown.

152,754
DESIGN FOR PLIERS
Kingston F. Swallow, Milwaukee, Wis.
Application April 19, 1947, Serial No. 138,503
Term of patent 14 years
(Cl. D54—13)



The ornamental design for pliers, as shown.

152,755
DESIGN FOR A SHOE
David Teitelbaum, New York, N. Y., assignor to Lasting Shoe Co. Inc., Brooklyn, N. Y., a corporation of New York
Application October 11, 1948, Serial No. 149,074
Term of patent 7 years
(Cl. D7—7)



The ornamental design for a shoe, as shown.

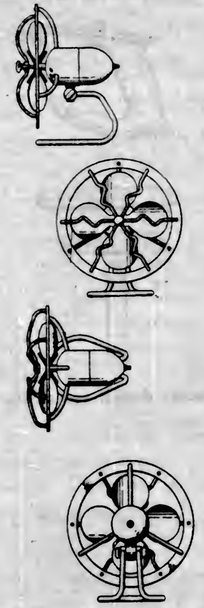
152,756
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Harry I. Thomas, Hagerstown, Md., assignor to The Hagerstown Leather Co., Hagerstown, Md., a corporation of Maryland
Application May 2, 1946, Serial No. 129,228
Term of patent 7 years
(Cl. D87—3)

The ornamental design for a billfold or similar article, substantially as shown and described.

152,757
DESIGN FOR A TAXICAB CRUISING LIGHT
Francis Joseph Toomey, Huntsville, Ohio, assignor to Edith G. Toomey, Huntsville, Ohio
Application December 15, 1947, Serial No. 143,143
Term of patent 7 years
(Cl. D48—32)

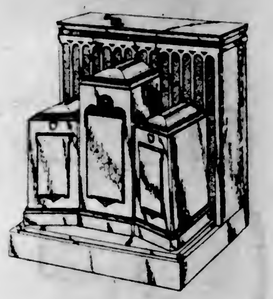
The ornamental design for a taxicab cruising light, substantially as shown.

152,758
DESIGN FOR AN ELECTRIC FAN
Herbert G. Ullman, Rochester, N. Y.
Application August 23, 1946, Serial No. 132,772
Term of patent 14 years
(Cl. D26—7)



The ornamental design for an electric fan, as shown.

152,759
DESIGN FOR AN URN UNIT FOR CREMATED REMAINS
William H. Warren, San Francisco, Calif.
Application November 9, 1946, Serial No. 134,677
Term of patent 14 years
(Cl. D19—1)

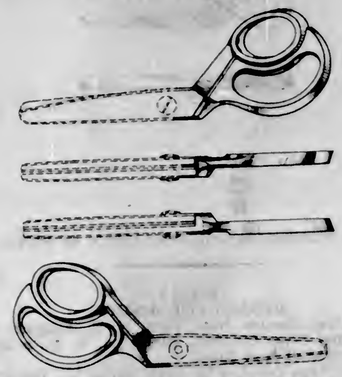


The ornamental design for an urn unit for cremated remains, substantially as shown.

152,760
DESIGN FOR A SAW HANDLE
Frank Weaver, Indianapolis, Ind., assignor to E. C. Atkins and Company, Indianapolis, Ind., a corporation of Indiana
Application March 6, 1947, Serial No. 137,391
Term of patent 14 years
(Cl. D92—4)

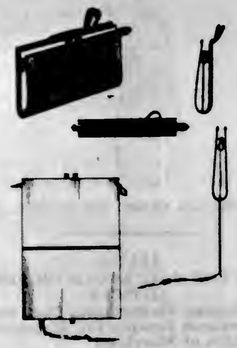
The ornamental design for a saw handle, as shown.

152,761
DESIGN FOR SHEARS
Henry C. Wheeler, Fairfield, Conn., assignor to The Acme Shear Company, Bridgeport, Conn., a corporation of Connecticut
Application February 17, 1948, Serial No. 144,536
Term of patent 14 years
(Cl. D22—5)



The ornamental design for shears, substantially as shown and described.

152,762
DESIGN FOR A HANDBAG
Albert C. Williams, New York, N. Y.
Application February 17, 1948, Serial No. 144,532
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Algemeene Kinstsijde Unie, N. V., Arnhem, Netherlands. Knitted, netted and textile fabrics in the piece. Serial No. 524,039, Feb. 15. Class 42.
American Extract Company, Port Allegany, Pa. Vegetable extracts, compounds, dermabates, etc. Serial No. 494,536, Feb. 15. Class 6.
American Metal Company, Limited, The, New York, N. Y. Metal products. Serial No. 557,882, Feb. 15. Class 14.
American Swiss Company, The, Toledo, Ohio. Vehicle door latches. Serial No. 528,395, Feb. 15. Class 25.
Atlanta Belting Company, Atlanta, Ga. Leather belting. Serial No. 549,609, Feb. 15. Class 35.
Bearing Manual Inc., Chicago, Ill. Publication. Serial No. 541,995, Feb. 15. Class 38.
Behrens, Sir Jacob, & Sons, Bradford, Yorkshire, England. Piece goods of wool or cotton or of mixtures. Serial No. 557,174, Feb. 15. Class 42.
Beltx Corporation, St. Louis, Mo. Sanitary belts and claspe and other parts thereof. Serial No. 522,583, Feb. 15. Class 44.
Best, Richard, Pencil Company, Inc., Springfield, N. J. Black lead and copying pencils. Serial No. 537,970, Feb. 15. Class 37.
Black Diamond Paint & Varnish Works, Inc., The, Cincinnati, Ohio. Belt dressings. Serial No. 548,322, Feb. 15. Class 4.
Bonne Bell, Inc., Cleveland, Ohio. Face creams. Serial No. 472,499, Feb. 15. Class 6.
Botany Mills, Inc., Passaic, N. J. Robes, slacks, sport shirts, etc. Serial No. 531,766, Feb. 15. Class 39.
Boyd-Richardson Company, St. Louis, Mo. Boys' suits, pants, topcoats, legging sets, etc. Serial No. 494,736, Feb. 15. Class 39.
Breslauer, A., Export Corp., New York, N. Y. Soap. Serial No. 546,352, Feb. 15. Class 4.
Brown & Ackerman, Inc., New York, N. Y. Uniform twill. Serial No. 562,317, Feb. 15. Class 42.
Carmel, William, Chicago, Ill. Bottle crushers. Serial No. 531,888, Feb. 15. Class 23.
Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial Nos. 536,345–7, Feb. 15. Class 13.
Chance, A. B., Company, Centralia, Mo. Line tap clamps, tap connections, grounding sets, etc. Serial No. 540,383, Feb. 15. Class 21.
Chemico, Inc., Cuyahoga Falls, Ohio. Rubber compounding material. Serial No. 502,802, Feb. 15. Class 6.
Clinton Metallic Paint Company, Clinton, N. Y. Cement coloring material, etc. Serial No. 537,563, Feb. 15. Class 12.
Consolidated Paper Corporation Limited, Montreal, Quebec, Canada. Wood pulp. Serial No. 524,524, Feb. 15. Class 1.
Continental Electric Company, Geneva, Ill. Electronic and lighting devices. Serial No. 502,886, Feb. 15. Class 21.
Continental Paint & Varnish Co., Chicago, Ill. Paint in paste form. Serial No. 539,667, Feb. 15. Class 16.
Coraltex, Inc., Los Angeles, Calif. Fiber board for construction purposes. Serial No. 543,788, Feb. 15. Class 12.
Corn Products Refining Company, New York, N. Y. Corn starch for laundry purposes. Serial No. 509,975, Feb. 15. Class 6.
Cowin & Co., Inc., Minneapolis, Minn. Aluminum and steel prefabricated building structures. Serial No. 530,921, Feb. 15. Class 12.
Cudahy Packing Company, The, Chicago, Ill. Soap powder. Serial Nos. 550,790–1, Feb. 15. Class 4.
Dandon Sales, Inc., New York, N. Y. Swim caps and baby pants. Serial No. 521,115, Feb. 15. Class 39.
Davis, Richard L., Topeka, Kans. Dog food. Serial No. 537,162, Feb. 15. Class 46.
Detroit Graphite Company, Detroit, Mich. Calking and glazing compound. Serial No. 546,680, Feb. 15. Class 12.
Dick, A. B., Company, Chicago, Ill. Duplicating ink and ink pads. Serial No. 559,661, Feb. 15. Class 11.
Display House, The: *See*—
Lewy, Archie.
Diversey Corporation, The, Chicago, Ill. Cleaning compound in powdered form. Serial No. 547,520, Feb. 15. Class 4.
Diversey Corporation, The, Chicago, Ill. Cleaning compound. Serial No. 555,803, Feb. 15. Class 4.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 547,529, Feb. 15. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. Serial No. 547,531, Feb. 15. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. Serial No. 547,532, Feb. 15. Class 37.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 547,533, Feb. 15. Class 37.
Dixon Valve & Coupling Co., Philadelphia, Pa. Hose couplings. Serial No. 532,432, Feb. 15. Class 13.
Drexel Furniture Company, Drexel, N. C. Dining room furniture. Serial No. 535,498, Feb. 15. Class 32.
Drexel Furniture Company, Drexel, N. C. Dinette and bedroom furniture. Serial No. 535,505, Feb. 15. Class 32.
Dzus Fastener Co., Inc., West Islip, N. Y. Quick-acting, self-locking fasteners and fastener parts. Serial No. 528,197, Feb. 15. Class 13.
Eastern Tube and Tool Co., Inc., Brooklyn, N. Y. Non-metallic cable conduit or tube. Serial No. 539,503, Feb. 15. Class 21.
Eastman Kodak Company, Flemington, N. J., and Rochester, N. Y. Photographic wetting agent. Serial No. 497,470, Feb. 15. Class 6.
Fabrique d'Horlogerie La Champagne S. A., Bienne, Switzerland. Watches and watch movements. Serial No. 555,663, Feb. 15. Class 27.
Ford Motor Company, Dearborn, Mich. Periodicals. Serial No. 555,492, Feb. 15. Class 38.
Foster, Charles & Co., assignor to Charles Foster & Co., Inc., New York, N. Y. Optical goods. Serial No. 524,968, Feb. 15. Class 26.
Foster, Charles, & Co., Inc., assignee: *See*—
Foster, Charles, & Co.
Free Enterprise Company: *See*—
Free Enterprise Publishing Company, Inc
Free Enterprise Publishing Company: *See*—
Free Enterprise Publishing Company, Inc.
Free Enterprise Publishing Company, Inc., assignee of Free Enterprise Publishing Company, assignor to H. J. Jilg, doing business as Free Enterprise Company, Seattle, Wash. Printed periodical publications. Serial No. 502,284, Feb. 15. Class 38.
General Gummed Products, Inc., Richmond Hill, N. Y. Gummed paper tape and gummed cloth tape. Serial No. 555,498, Feb. 15. Class 5.
Gerber Legendary Blades, Portland, Oreg. Steak knives. Serial No. 534,822, Feb. 15. Class 23.
Gladke, Robert L., doing business as Pakay Company, Elmira, N. Y. Water soluble douche powder. Serial No. 568,943, Feb. 15. Class 6.
Glenn, Claudia, Denver, Colo. Bridal gowns. Serial No. 510,243, Feb. 15. Class 39.
Great American Tea Company, The, New York, N. Y. Liquid preparation for removing spots from fabrics, clothing, carpets, etc., and a cleaning preparation. Serial No. 550,687, Feb. 15. Class 4.
Hallemite Manufacturing Co., The, Cleveland, Ohio. Quick setting non-shrinking cement. Serial No. 542,565, Feb. 15. Class 12.
Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Bicycles. Serial No. 524,980, Feb. 15. Class 19.
Hat Corporation of America, Norwalk, Conn. Periodical published monthly. Serial No. 555,671, Feb. 15. Class 38.
Haywood Publishing Company, Chicago, Ill. Monthly magazine. Serial Nos. 536,897–8, Feb. 15. Class 38.
Hewitt Soap Company, Inc., The, Dayton, Ohio. Sudsing cleaner, cleanser, and detergent. Serial No. 527,932, Feb. 15. Class 4.
Huggengerger, Arnold U., Zurich, Switzerland. Strain gages and electro-mechanical measuring apparatus. Serial Nos. 521,976–7, Feb. 15. Class 26.
Hysan Products Company, Chicago, Ill. Chemical cleaning powder. Serial No. 562,062, Feb. 15. Class 4.
Iktholine Limited, Brentford, Middlesex, England. Shaving soap. Serial No. 563,184, Feb. 15. Class 4.
Imperial Belting Company, Chicago, Ill. Power transmission, conveying and elevating belting. Serial No. 542,025, Feb. 15. Class 35.
Indianapolis Glove Company, Indianapolis, Ind. Work gloves. Serial No. 536,611, Feb. 15. Class 39.
Indianapolis Glove Company, Indianapolis, Ind. Work gloves. Serial No. 536,615, Feb. 15. Class 39.
International Brotherhood of Electrical Workers, Washington, D. C. Electrical equipment and supplies, telephones and telephone supplies, household appliances. Serial No. 491,323, Feb. 15. Class 21.
Jergens, Andrew, Company, The, Cincinnati, Ohio. Toilet soap. Serial No. 549,154, Feb. 15. Class 4.
Jilg, Henry J.: *See*—
Free Enterprise Publishing Company, Inc.
Johns-Manville Corporation, New York, N. Y. Rod and valve-stem packing. Serial No. 546,224, Feb. 15. Class 35.
Joyce-Cridland Co., The, Dayton, Ohio. Hydraulic lifting jacks. Serial No. 536,094, Feb. 15. Class 23.
K-D Manufacturing Company, Lancaster, Pa. Hack-saw frames, hack-saw blades, nail pullers, etc. Serial No. 534,894, Feb. 15. Class 23.
Karpen, S., & Bros., Chicago, Ill. Mattresses, box springs, sofas, etc. Serial No. 542,207, Feb. 15. Class 32.
Keuffel & Esser Company, Hoboken, N. J. Chemicals. Serial No. 554,797, Feb. 15. Class 6.
Kirsch, Herske, Inc., New York, N. Y. Furs and skins. Serial No. 523,783, Feb. 15. Class 1.

Laclede-Christy Company, St. Louis, Mo. Fire brick. Serial No. 544,131, Feb. 15. Class 12.
Land-O-Nod Company, The, Minneapolis, Minn. Mattresses. Serial No. 533,447, Feb. 15. Class 32.
Leggett & Platt, Inc., Carthage, Mo. Bed-springs. Serial No. 542,816, Feb. 15. Class 32.
Levinsohn Textile Co., New York, N. Y. Tickings, ready-made pillow ticks. Serial No. 490,595, Feb. 15. Class 42.
Lewy, Archie, doing business as The Display House, Philadelphia, Pa. Display stands. Serial No. 497,314, Feb. 15. Class 32.
Liberty & Co., Limited, London, England. Silk piece goods. Serial No. 557,049, Feb. 15. Class 42.
Lincoln Industrial Chemical Co. Inc., The, Lincoln Park, Pa. Liquid soap. Serial No. 559,284, Feb. 15. Class 4.
Lincoln Industrial Chemical Co. Inc., The, doing business as The Lincoln Industrial Insecticide Co., Lincoln Park, Pa. Liquid soap. Serial No. 559,235, Feb. 15. Class 4.
Lincoln Industrial Insecticide Co., The: *See*—
Lincoln Industrial Chemical Co. Inc., The.
Linde Air Products Company, The, New York, N. Y. Periodical publication. Serial No. 508,482, Feb. 15. Class 38.
Long, Hamilton A., Chicago, Ill. Pocket compasses. Serial No. 517,643, Feb. 15. Class 26.
Mallinckrodt Chemical Works, St. Louis, Mo. Ammonium thiosulfate, fixing bath compositions. Serial No. 522,524, Feb. 15. Class 6.
Marquis, A. N., Company, The, Chicago, Ill. Publication. Serial No. 545,141, Feb. 15. Class 38.
McCormick & Company, Inc., Baltimore, Md. Poultry seasoning, rubbed sage, powdered sage, etc. Serial No. 534,798, Feb. 15. Class 46.
Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Publication. Serial No. 533,339, Feb. 15. Class 38.
Monsanto Chemical Company, St. Louis, Mo. Inorganic phosphates and alumina in the form of particulate solids. Serial No. 557,547, Feb. 15. Class 4.
Morgan, Clyde G., Chicago, Ill. Desks. Serial No. 547,140, Feb. 15. Class 32.
National Lead Company, New York, N. Y. Antimony metal and alloys thereof. Serial No. 527,838, Feb. 15. Class 14.
National Twist Drill & Tool Company, Rochester, Mich. Milling cutters. Serial No. 535,255, Feb. 15. Class 23.
Pakay Company: *See*—
Gladke, Robert L.
Paragon-Revolute Corporation, Rochester, N. Y. Machines for making blue-prints and other prints, etc. Serial No. 531,236, Feb. 15. Class 26.
Penola Inc., Chicago, Ill., and New York, N. Y. Periodical. Serial No. 555,764, Feb. 15. Class 38.
Philadelphia Quarts Company, Philadelphia, Pa. Cleaning compound. Serial No. 544,663, Feb. 15. Class 4.
Pilbrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. Serial No. 552,876, Feb. 15. Class 12.
Pilbrico Jointless Firebrick Company, Chicago, Ill. Dry aggregate ready to mix with water to form a plastic heat insulating material. Serial No. 552,887, Feb. 15. Class 12.
Pressed Prism Plate Glass Company, Morgantown, W. Va. Plate glass. Serial No. 536,711, Feb. 15. Class 33.
Reed, C. A., Company, Williamsport, Pa. Crêpe paper. Serial Nos. 529,297–8, Feb. 15. Class 37.
Republic Steel Corporation, Cleveland, Ohio. Electrically coated ferrous metal sheet, strip, and plate. Serial No. 455,544, Feb. 15. Class 14.
Roch, Pierre S. A. R. L., Rolle, Switzerland. Calipers, height gauges, depth gauges, etc. Serial No. 518,104, Feb. 15. Class 26.
Rockwell Manufacturing Company, Pittsburgh, Pa. Publications. Serial No. 555,770, Feb. 15. Class 38.
Rockwell Manufacturing Company, Pittsburgh, Pa. House organ. Serial No. 555,969, Feb. 15. Class 38.
Rockwell Manufacturing Company, Pittsburgh, Pa. Plug valves and parts thereof. Serial No. 556,674, Feb. 15. Class 13.
S-M-S Corporation, Detroit, Mich. Trade catalog. Serial No. 547,153, Feb. 15. Class 38.
Saks, M. J., Shoe Corp., New York, N. Y. Women's shoes. Serial No. 511,963, Feb. 15. Class 39.
Sherman, H. B., Manufacturing Company, Battle Creek, Mich. Hose nozzles. Serial No. 517,015, Feb. 15. Class 13.
Sherwin-Williams Company, The, Cleveland, Ohio. Paint enamels. Serial No. 540,910, Feb. 15. Class 16.
Skinner, William, & Sons, Holyoke, Mass., and New York, N. Y. Fabrics of silk, wool, and cotton. Serial No. 548,538, Feb. 15. Class 42.
Spaulding & Company, Chicago, Ill. Articles of chinaware, crockery, pottery, etc. Serial No. 500,841, Feb. 15. Class 30.
Staley, A. E., Manufacturing Company, Decatur, Ill. Vegetable derivative adhesive. Serial No. 545,783, Feb. 15. Class 45.
Steel Products Manufacturing Company, St. Louis, Mo. Can openers, jar openers, and knife sharpeners. Serial No. 536,006, Feb. 15. Class 23.
Stetson Paint and Varnish Company, Chicago, Ill. Paint in liquid and paste form. Serial No. 539,776, Feb. 15. Class 16.
Stuart, D. A., Oil Co., Limited, Chicago, Ill. Cutting oils. Serial No. 534,690, Feb. 15. Class 15.
Sugar Beet Products Company, Inc., Saginaw W. S., Mich. Concentrated soap. Serial No. 516,585, Feb. 15. Class 4.
Sutton Shirt Corp., New York, N. Y. Men's outer shirts and sport shirts. Serial No. 532,175, Feb. 15. Class 39.
Syndicate Store Merchandiser, Inc., New York, N. Y. Periodical publication. Serial No. 548,879, Feb. 15. Class 38.
Thatcher Furnace Company, Garwood, N. J. Oil, gas, and coal fired warm air furnaces. Serial No. 535,098, Feb. 15. Class 34.
Thee Products Co., Denver, Colo. Scalp and hair lotions and oil shampoos. Serial No. 535,272, Feb. 15. Class 6.
Thomas Publishing Company, New York, N. Y. Periodical. Serial No. 550,461, Feb. 15. Class 38.
Timmerman Lumber & Mfg. Co., Hibbing, Minn. Prefabricated, wood, frame buildings. Serial No. 547,496, Feb. 15. Class 12.
Transolene Corporation, Barrington, Ill. Thin sheets of colored transparent and translucent heat- and moisture-proof plastic film. Serial No. 523,628, Feb. 15. Class 24.
Tucker Duck & Rubber Co., Fort Smith, Ark. Folding cots, folding stools, and folding chairs. Serial No. 544,403, Feb. 15. Class 32.
Tucker Duck & Rubber Co., Fort Smith, Ark. Folding chairs. Serial No. 544,404, Feb. 15. Class 32.
Twin City Wholesale Grocer Co., St. Paul Minn. Canned fish, canned fruits, evaporated canned milk, etc. Serial No. 542,422, Feb. 15. Class 46.
Twin City Wholesale Grocer Co., St. Paul, Minn. Synthetic food coloring materials. Serial No. 561,169, Feb. 15. Class 6.
Twin City Wholesale Grocer Co., St. Paul, Minn. Toothpicks. Serial No. 561,170, Feb. 15. Class 44.
Valley Packing Company, San Benito, Tex. Sliced bacon. Serial No. 537,956, Feb. 15. Class 46.
Vincent-McCall Company, The, Kenosha, Wis. Garden chaises. Serial No. 520,842, Feb. 15. Class 32.
Vincent-McCall Company, The, Kenosha, Wis. Mattresses and boxsprings. Serial No. 526,675, Feb. 15. Class 32.
Wanamaker, John, New York, New York, N. Y. Soap. Serial No. 545,919, Feb. 15. Class 4.
Ward Leonard Electric Company, Mount Vernon, N. Y. Electric resistance units or tubes or coils, electric rheostats, electric motor starters, etc. Serial No. 536,825, Feb. 15. Class 21.
Werber Sportswear Inc., Newburgh, N. Y. Snowsuits. Serial No. 535,206, Feb. 15. Class 39.
Westvaco Chlorine Products Corporation, New York, N. Y., Carteret, N. J., South Charleston, W. Va., and Newark, Calif., assignor to Food Machinery and Chemical Corporation, New York, N. Y. Dairy equipment cleanser. Serial No. 536,568, Feb. 15. Class 4.
White-Haines Optical Company, The, Columbus, Ohio. Ophthalmic lenses. Serial No. 512,885, Feb. 15. Class 26.
White-Rodgers Electric Company, St. Louis, Mo. Instruments and controls responsive to changes in physical conditions. Serial No. 496,187, Feb. 15. Class 26.
Whitehall Pharmacal Company, New York, N. Y. Mascara. Serial No. 550,371, Feb. 15. Class 6.
Whittet-Higgins Company, Providence, R. I. Lock nuts and lock washers. Serial No. 521,101, Feb. 15. Class 13.
Wood Conversion Company, St. Paul, Minn. Loosely matted or felted adhesively bound vegetable fiber. Serial No. 530,882, Feb. 15. Class 32.
Zion Industries, Inc., Zion, Ill. Cookies. Serial No. 570,240, Feb. 15. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Products Company, Inc.: *See*—
Albany Perforated Wrapping Paper Company.
Acme Visible Records, Inc., Chicago, Ill. Filing cabinets and filing cabinet drawers. 435,709, Jan. 6, 1948. Republished Feb. 15. Class 32.
Aerovox Corporation, New Bedford, Mass. Electric condensers. 506,724, Feb. 15; Serial No. 544,645, published Nov. 2, 1948. Class 21.
African & Eastern Trading Co., Incorporated, New York, N. Y. Dates. 250,381, renewed Dec. 11, 1948. O. G. Feb. 15. Class 46.
Ajax Electrothermic Corporation, Trenton, N. J. Electric furnaces for laboratory uses. 413,028, Apr. 3, 1945. Republished Feb. 15. Class 26.
Ajax Metal Company, The, Philadelphia, Pa. Ingots, and babbitt metal. 120,320, Feb. 5, 1918. Republished Feb. 15. Class 14.

Ajax Metal Company, The, Philadelphia, Pa. Copper base alloys. 415,104, July 10, 1945. Republished Feb. 15. Class 14.
Ajax Metal Company, The, Philadelphia, Pa. Electric furnaces. 416,592, Sept. 11, 1945. Republished Feb. 15. Class 21.
Aktiebolaget Sveriges Forenade Konservfabriker, Gottenborg, Sweden. Canned fish. 249,486, renewed Nov. 13, 1948. O. G. Feb. 15. Class 46.
Aktieselskabet Bing & Grondahls Porcellaensfabrik, Copenhagen, Denmark. Art porcelain and stoneware figures. 361,039, Oct. 4, 1938. Republished Feb. 15. Class 50.
Albany Billiard Ball Company, Albany, N. Y. Billiard balls. 506,685, Feb. 15; Serial No. 540,235, published Oct. 5, 1948. Class 22.
Albany Perforated Wrapping Paper Company, to A. P. W. Products Company, Inc., Albany, N. Y. Toilet paper, tissue paper, crepe paper, etc. 252,105, renewed Jan. 22, 1949. O. G. Feb. 15. Class 37.
Allen, D. Henry: *See*—
Kerr, Archie H.
Allied Home Products Corporation: *See*—
C-Z Chemical Company.
American Electrical Corporation of Massachusetts, Boston, Mass. Electric alarm bell and control instruments and parts thereof. 506,684, Feb. 15; Serial No. 540,017, published Oct. 26, 1948. Class 21.
American Hominy Company, by Evans Milling Company, Indianapolis, Ind. Breakfast cereal in flake form. 126,620, Sept. 30, 1919. Republished Feb. 15. Class 46.
American Insulator Corporation, New Freedom, Pa. Insulating composition materials. 220,154, renewed Nov. 2, 1946. O. G. Feb. 15. Class 1.
American Lace Paper Company, Milwaukee, Wis. Cast paper pulp cups. 286,516, Sept. 1, 1931. Republished Feb. 15. Class 2.
American Lace Paper Company, Milwaukee, Wis. Shelf paper. 363,820, Jan. 10, 1939. Republished Feb. 15. Class 37.
American Lace Paper Company, Milwaukee, Wis. Paper baking cups, paper butter chips, paper candy cups, etc. 368,242, June 13, 1939. Republished Feb. 15. Class 2.
American Lace Paper Company, Milwaukee, Wis. Paper box laces, paper doilies, paper napkins, etc. 369,735, Aug. 1, 1939. Republished Feb. 15. Class 37.
American Linen Supply Co.: *See*—
Steiner Sales Company.
American Metalcraft Corporation, Detroit, Mich. Toy scooters. 432,128, Aug. 19, 1947. Republished Feb. 15. Class 22.
American Products Company, The, to Royal Home Products, Inc., Cincinnati, Ohio. Hand soap, facial soap, shaving cream, etc. 250,755, renewed Dec. 18, 1948. O. G. Feb. 15. Class 4.
American Time Products, Inc., New York, N. Y. Watch rate recorders. 378,441, June 11, 1940. Republished Feb. 15. Class 26.
Anderson-Pitt Corporation, The, Kansas City, Mo., to Bersted Manufacturing Company, Fostoria, Ohio. Radiant electric heaters. 255,452, renewed Apr. 23, 1949. O. G. Feb. 15. Class 21.
An-Fo Manufacturing Co.: *See*—
Rosefield, J. B.
Anheuser-Busch, Inc., St. Louis, Mo. Modified (i. e., oxidized or chlorinated) starch. 506,753, Feb. 15; Serial No. 549,042, published Nov. 2, 1948. Class 6.
Arkwright Merchandising Corporation, New York, N. Y. Sheets and pillow cases. 506,774, Feb. 15; Serial No. 551,846, published Oct. 19, 1948. Class 42.
Armaly Sponge & Chamois Co. Inc., Detroit, Mich. Sisal pad filters. 408,929, Sept. 5, 1944. Republished Feb. 15. Class 31.
Arrowsmith Manufacturing Company, New York, N. Y. Preparations for treating, correcting, and removing growths on the feet. 186,968, July 22, 1924. Corrected. O. G. Feb. 15. Class 6.
Ashland Paper Mills, Inc., Ashland, N. H. Facial tissue, toilet issue, paper napkins, etc. 401,849, June 15, 1943. Republished Feb. 15. Class 37.
Associated Merchandising Corporation, New York, N. Y. Sun lamps. 506,694, Feb. 15; Serial No. 541,492, published Oct. 26, 1948. Class 21.
Atlantic Steel Company, Atlanta, Ga. Forgings. 436,224, Jan. 27, 1948. Republished Feb. 15. Class 14.
Atlas Supply Company, Newark, N. J. Motor analyzers. 506,651, Feb. 15; Serial No. 531,757, published Sept. 28, 1948. Class 26.
Automatic Devices Co.: *See*—
Kucera, Henry T.
Baker Extract Company, Springfield, Mass. Camphor, camphorated oil, glycerine, etc. 506,639, Feb. 15; Serial No. 530,054, published Oct. 5, 1948. Class 6.
Baker, H. W., Linen Co., New York, N. Y. Towels. 129,325, Feb. 17, 1920. Republished Feb. 15. Class 42.
Bakers' Helper Co., to Clissold Publishing Co., Chicago, Ill. Magazine. 254,282, renewed Mar. 19, 1949. O. G. Feb. 15. Class 38.
Balfour Guthrie & Co., by Balfour, Guthrie & Co., Limited, San Francisco, Calif. Firecrackers. 266,163, Jan. 14, 1930. Republished Feb. 15. Class 9.
Balfour, Guthrie & Co., Limited: *See*—
Balfour, Guthrie & Co.
Bastanchury Ranch Company, Fullerton, by C. H. Withers, Niland, Calif. Fresh citrus fruits. 155,011, June 6, 1922. Republished Feb. 15. Class 46.
Bausch & Lomb Optical Company, Rochester, N. Y. Objective lenses. 506,723, Feb. 15; Serial No. 544,531, published Oct. 26, 1948. Class 26.
Belmont Packing & Rubber Company, The, Philadelphia, Pa. Fiber and rubber packings. 312,661, May 1, 1934. Republished Feb. 15. Class 35.
Benson, N. P., Optical Company, Inc., assignor to Cosmet Corporation, by Cosmet Company, Minneapolis, Minn. Eyeglass lenses and edge finishes. 375,872, Mar. 5, 1940. Republished Feb. 15. Class 26.
Bergman, Ted, Miami, Fla. Bottled propane and butane gas. 506,788, Feb. 15; Serial No. 500,939. Class 6.
Berndt-Bach, Incorporated, Los Angeles, Calif. Sound picture film recording galvanometers, amplifiers, cameras, etc. 506,670, Feb. 15; Serial No. 535,123, published Oct. 5, 1948. Class 26.
Bernside Mills: *See*—
Bernstein, Charles & Son.
Bernstein, Charles & Son, also doing business as Bernside Mills, New York, N. Y. Textile fabrics in piece. 506,796, Feb. 15; Serial No. 538,089. Class 42.
Bersted Manufacturing Company: *See*—
Anderson-Pitt Corporation, The.
Black, Sivalls & Bryson, Inc., Oklahoma City, Okla. Tanks. 383,435, Dec. 10, 1940. Republished Feb. 15. Class 2.
Blackinton, W. & S., Co., Inc., Meriden, Conn. Hollow ware. 506,686, Feb. 15; Serial No. 540,243, published Oct. 26, 1948. Class 28.
Blancard & Company, Inc., to Blancard & Company, Inc., New York, N. Y. Finger rings. 251,816, renewed Jan. 15, 1949. O. G. Feb. 15. Class 28.
Blaw-Knox Company, Pittsburgh, Pa. Briquetted solid carbonaceous fuel. 506,610, Feb. 15; Serial No. 504,318, published Nov. 9, 1948. Class 1.
Boyer, William F., Philadelphia, Pa. Shoe polish. 405,751, Feb. 22, 1944. Republished Feb. 15. Class 4.
Brearley Company, The, Rockford, Ill. Men's and boys' hats, visors, and caps. 435,276, Dec. 16, 1947. Republished Feb. 15. Class 39.
Breslauer, A., Export Corp., New York, N. Y. Skin cream, hand cream, cleansing cream, etc. 506,734, Feb. 15; Serial No. 546,351, published Oct. 26, 1948. Class 6.
Brno Arms Factory, National Corporation: *See*—
Ceskoslovenska Zbrojovka, akciova spolecnost v Brne.
Brown, W. G., Seattle, Wash. Electro-therapy machines. 424,928, Oct. 29, 1946. Republished Feb. 15. Class 44.
Brulin & Company, Inc., Indianapolis, Ind. Cleaning compound. 391,938, Dec. 2, 1941. Republished Feb. 15. Class 4.
Bugge, Erling P., doing business as Machine-Research, Santa Monica, Calif. Protractors. 506,722, Feb. 15; Serial No. 544,321, published Oct. 26, 1948. Class 26.
Bull Grip, Incorporated: *See*—
Carruth, B. K.
Burlingham, E. F., & Sons, Forest Grove, Oreg. Field seeds. 506,649, Feb. 15; Serial No. 531,644, published Nov. 9, 1948. Class 1.
Burlington Mills Corporation: *See*—
Gallia Silk Mills.
Lehigh Valley Silk Mills.
Burroughs Wellcome & Co. (U. S. A.) Inc., Tuckahoe, N. Y. Sedative, vasodilator, cardiotonic and diuretic. 506,611, Feb. 15; Serial No. 509,559, published Oct. 5, 1948. Class 6.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Medicinal preparation containing antacids. 506,637, Feb. 15; Serial No. 529,136, published Oct. 19, 1948. Class 6.
Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Product containing the active principals of digitalis freed from inert material. 506,638, Feb. 15; Serial No. 529,138, published Oct. 19, 1948. Class 6.
Bursdal, A., Company, The, Indianapolis, Ind. Floor-paint. 72,852, re-renewed Mar. 2, 1949. O. G. Feb. 15. Class 16.
Butterworth, H. W., and Sons Company, Philadelphia, Pa. Ageing machines, atomisers, boiling machines, etc. 435,441, Dec. 30, 1947. Republished Feb. 15. Class 23.
Butterworth, H. W., and Sons Company, Philadelphia, Pa. Electrically driven spinning machines. 435,474, Dec. 30, 1947. Republished Feb. 15. Class 23.
C-Z Chemical Company, by Allied Home Products Corporation, Beloit, Wis. Spray oil and polish. 417,867, Nov. 20, 1945. Republished Feb. 15. Class 16.
Campbell, A. S., Co., Inc., East Boston, Mass. Dolly trucks. 402,246, July 13, 1943. Republished Feb. 15. Class 19.
Canadian Radium & Uranium Corporation, New York, N. Y. Apparatus for applying the rays of radio-active material. 416,659, Sept. 25, 1945. Republished Feb. 15. Class 44.
Cape Ann Isinglass Company, Boston, to Cape Ann Isinglass Company, Marblehead, Mass. Unprepared isinglass. 252,046, renewed Jan. 22, 1949. O. G. Feb. 15. Class 1.
Carnrick, G. W., Co., Newark, N. J. Endocrine stimulant. 255,711, renewed Apr. 30, 1949. O. G. Feb. 15. Class 6.

Dolan & Bullock Co., Providence, R. I. Jewelry. [illegible] published [illegible]
Gallia Silk Mills, Portland, Maine, by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods. [illegible]

Caron Corporation, New York, N. Y. Perfume, toilet water, and perfumed liquid bath preparation. 506,744, Feb. 15; Serial No. 547,096, published Nov. 2, 1948. Class 6.

Carruth, B. K., Macon, Ga., by Bull Grip, Incorporated, Chattanooga, Tenn. Self-vulcanizing patch. 121,122. Apr. 9, 1918. Republished Feb. 15. Class 35.

Carter's Ink Company, The, Cambridge, Mass. Typewriter ribbons and carbon paper. 254,536, renewed Mar. 26, 1949. O. G. Feb. 15. Class 11.

Cedar Hill Formulae Co., The, New Britain, Conn. Liquid composition for treating seed corn, beans, peas, etc. 506,693, Feb. 15; Serial No. 541,259, published Oct. 26, 1948. Class 6.

Celanese Corporation of America, New York, N. Y. Piece goods. 506,766, Feb. 15; Serial No. 550,666, published Oct. 19, 1948. Class 42.

Celotex Corporation, The, Chicago, Ill. Saturated fiber board. 369,564, Aug. 1, 1939. Republished Feb. 15. Class 12.

Celotex Corporation, The, Chicago, Ill. Expanded slag aggregate. 400,822, Apr. 6, 1943. Republished Feb. 15. Class 12.

Celotex Corporation, The, Chicago, Ill. Building blocks. 402,564, Aug. 3, 1943. Republished Feb. 15. Class 12.

Celotex Corporation, The, Chicago, Ill. Gypsum plaster and gypsum board products. 411,665, Jan. 30, 1945. Republished Feb. 15. Class 12.

Central California Berry Growers Association, San Francisco, Calif. Fresh fruits. 166,668, Apr. 10, 1923. Republished Feb. 15. Class 46.

Century Metalcraft Corporation, Los Angeles, Calif. Heavy cast metal sauce pans, roasters, casseroles, etc. 329,711, Nov. 5, 1935. Republished Feb. 15. Class 13.

Century Projector Corporation, New York, N. Y., and elsewhere. Motion picture projectors and parts thereof. 435,878, Jan. 13, 1948. Republished Feb. 15. Class 26.

Ceskoslovenska Zbrojovka, akciova spolecnost v Brne, Brunn, to Zbrojovka Brno, Narodni Podnik, also named Brno Arms Factory, National Corporation, Brno, Czechoslovakia. Rifles, machine guns, and pistols, etc. 245,178, renewed Aug. 7, 1948. O. G. Feb. 15. Class 9.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Wood pulp. 506,623, Feb. 15; Serial No. 527,302, published Nov. 9, 1948. Class 1.

Champion Porcelain Company, Detroit, Mich., to Champion Spark Plug Company, Toledo, Ohio. Articles of refractory material. 251,784, renewed Jan. 15, 1949. O. G. Feb. 15. Class 26.

Champion Spark Plug Company: *See*—
Champion Porcelain Company.

Chanel, Inc., New York, N. Y. Face powder, perfume, eau de cologne, etc. 195,359, Feb. 24, 1925. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume. 210,785, Mar. 23, 1926. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume. 210,787, Mar. 23, 1926. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume. 215,477, July 20, 1926. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume. 215,555, July 20, 1926. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume. 215,557–8–9, July 20, 1926. Republished Feb. 15. Class 6.

Chanel, Inc., New York, N. Y. Perfume and toilet water. 233,406, Sept. 27, 1927. Republished Feb. 15. Class 6.

Christmas Club, a Corporation, New York, N. Y. Magazine. 225,139, Mar. 15, 1927. Republished Feb. 15. Class 38.

Church & Dwight Co. Inc., New York, N. Y. Bicarbonate of soda (baking soda). 506,745, Feb. 15; Serial No. 547,995, published Oct. 19, 1948. Class 6.

Church Grape Juice Company: *See*—
Church Mfg. Co., The.

Church Mfg. Co., The, sometimes doing business as Church Grape Juice Company, by Church Grape Juice Company, Kennewick, Wash. Grape juice, nonalcoholic, nonecreal, maltless, carbonated beverages, etc. 273,603, Aug. 5, 1930. Republished Feb. 15. Class 45.

Clear Spring Distilling Company: *See*—
Dennehy, Thomas C.

Clinsold Publishing Co.: *See*—
Bakers' Helper Co.

Clover Farm Stores Corporation: *See*—
Higgins-Babcock-Hurd Company, The.

Cohn, Aaron, Philadelphia, Pa. Hot-air dampers. 226,620, Apr. 12, 1927. Republished Feb. 15. Class 34.

Cole, H. C., Milling Company, Chester, Ill. Wheat flour and self-rising flour. 254,699, renewed Mar. 26, 1949. O. G. Feb. 15. Class 46.

Columbia Trade Mark Co. Inc., New York, N. Y. Men's outer and under shirts, pajamas, shorts, etc. 442,085, Feb. 15; Serial No. 525,793, published Oct. 19, 1948. Class 32.

Concert Hall Society, Inc., New York, N. Y. Mechanically grooved phonograph records. 435,928, Jan. 13, 1948. Republished Feb. 15. Class 36.

Congoleum-Nairn Inc., Kearny, N. J. Felt base rugs, mats, and floor coverings. 319,427, Nov. 27, 1934. Republished Feb. 15. Class 20.

Consolidated Royal Chemical Corporation: *See*—
Walker, W. & H., Inc.

Continental Screw Company, New Bedford, Mass. Screws. 344,380, Mar. 22, 1937. Republished Feb. 15. Class 13.

Continental Screw Company, New Bedford, Mass. Fastenings. 414,317, June 5, 1945. Republished Feb. 15. Class 13.

Cook Specialty Company, Green Lane, Pa. Adjustable curved ruler. 506,707, Feb. 15; Serial No. 543,098, published Oct. 26, 1948. Class 26.

Cooper, Lillian, Cosmetics, Ltd., New City, N. Y. Lipstick and cream rouge. 506,758, Feb. 15; Serial No. 549,514, published Nov. 2, 1948. Class 6.

Cork Manufacturing Company Ltd., London, England. Mats for motor vehicles. 245,548, Aug. 14, 1928. Republished Feb. 15. Class 50.

Cork Manufacturing Co. Ltd., London, England. Composition cork. 338,833, Sept. 15, 1936. Republished Feb. 15. Class 1.

Coro, Inc., New York, N. Y. Ornamental pins, jewelry clips, hair ornaments, etc. 506,683, Feb. 15; Serial No. 538,726, published Oct. 26, 1948. Class 28.

Corona Manufacturing Co., The, Kenton, Ohio. Ointment. 506,642, Feb. 15; Serial No. 530,295, published Oct. 5, 1948. Class 6.

Corson, G. & W. H., Plymouth Meeting, Pa. Construction lime. 385,860, Mar. 18, 1941. Republished Feb. 15. Class 12.

Cosmet Company: *See*—
Benson, N. P., Optical Company, Inc.

Cosmet Corporation: *See*—
Benson, N. P., Optical Company, Inc.

Courtaulds, Limited, London, England. Staple fibre. 506,697, Feb. 15; Serial No. 541,649, published Nov. 9, 1948. Class 1.

Cowan, Louis G.: *See*—
Quiz Kids Inc.

Cowan, Louis G., assignee: *See*—
Quiz Kids, Inc.

Cowan, Louis G., Incorporated, New York, N. Y. Scripts. 431,950, Aug. 12, 1947. Republished Feb. 15. Class 38.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,708, Feb. 15; Serial No. 543,110, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,709, Feb. 15; Serial No. 543,125, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,710, Feb. 15; Serial No. 543,131, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,711, Feb. 15; Serial No. 543,135, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,712, Feb. 15; Serial No. 543,138, published Oct. 19, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 506,713, Feb. 15; Serial No. 543,140, published Oct. 19, 1948. Class 42.

Cutter Laboratories, Berkeley, Calif. Solution of sodium citrate, dextrose, and citric acid. 442,084, Feb. 15; Serial No. 512,391, published Oct. 19, 1948. Class 6.

De Bord, Charles L., Johnson City, Tenn. White flour. 426,710, Jan. 7, 1947. Republished Feb. 15. Class 46.

De-Fi Manufacturing Company, New York, N. Y. Carbon paper. 73,511, re-renewed Apr. 27, 1949. O. G. Feb. 15. Class 11.

Dennehy, Thomas C., Chicago, Ill., doing business as Clear Spring Distilling Co., by Pebbleford Distillery Company, Wilder, Newport, Ky. Whiskey. 305,189, Aug. 8, 1933. Republished Feb. 15. Class 49.

Denver Fire Clay Company, The, Denver, Colo. Refractory fire-brick material. 265,548, Dec. 31, 1929. Republished Feb. 15. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Refractory high temperature cement. 291,462, Feb. 9, 1932. Republished Feb. 15. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Refractory concrete. 329,690, Nov. 5, 1935. Republished Feb. 15. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Lightweight refractory concrete. 386,236, Apr. 1, 1941. Republished Feb. 15. Class 12.

Denver Fire Clay Company, The, Denver, Colo. Insulating brick. 387,653, May 27, 1941. Republished Feb. 15. Class 12.

Di-Noc Company, The: *See*—
Di-Noc Manufacturing Company, The.

Di-Noc Manufacturing Company, by The Di-Noc Company, Cleveland, Ohio. Translucent sheet film. 416,915, Aug. 21, 1945. Republished Feb. 15. Class 37.

Di-Noc Manufacturing Company, The, by The Di-Noc Company, Cleveland, Ohio. Sensitised photographic film. 416,407, Sept. 11, 1945. Republished Feb. 15. Class 26.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils and rubber erasers. 255,193, renewed Apr. 16, 1949. O. G. Feb. 15. Class 37.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 256,211, renewed May 7, 1949. O. G. Feb. 15. Class 37.

Dolan & Bullock Co., Providence, R. I. Jewelry. 506,632–3, Feb. 15; Serial Nos. 528,703–4, published Oct. 26, 1948. Class 28.

Dolan & Bullock Co., Providence, R. I. Jewelry. 506,634–5, Feb. 15; Serial Nos. 528,707–8, published Oct. 26, 1948. Class 28.

Dex, Inc., New York, N. Y. Liniment. 506,659, Feb. 15; Serial No. 533,405, published Oct. 26, 1948. Class 6.

Duncan-Wilson: *See*—
Wilson, Robert E.

Duplex Envelope Co., Inc., Richmond, Va. Periodicals. 218,634, Sept. 28, 1926. Republished Feb. 15. Class 38.

Du Pont, E. I., de Nemours and Company: *See*—
National Ammonia Company, Inc.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dyes. 506,775, Feb. 15; Serial No. 553,578, published Oct. 26, 1948. Class 6.

Durabla Manufacturing Company: *See*—
von Kokeritz, E. G., & Co.

Dusharme Products, Inc., Minneapolis, Minn. Hair dressings. 506,761, Feb. 15; Serial No. 550,130, published Oct. 26, 1948. Class 6.

Dutch Masters Paint & Varnish Company: *See*—
Varnish Products Co.

Eastern-Columbia, Inc.: *See*—
Eastern Outfitting Co. of Los Angeles, Calif.

Eastern Columbia, Inc., Los Angeles, Calif. Textile rugs. 383,013, Nov. 19, 1940. Republished Feb. 15. Class 42.

Eastern Outfitting Co. of Los Angeles, Calif., Los Angeles, Belvedere and Huntington Park, by Eastern-Columbia, Inc. Los Angeles, Calif. Gas ranges. 287,650, Sept. 29, 1931. Republished Feb. 15. Class 34.

Eastern Outfitting Co. of Los Angeles, Calif., Los Angeles, Belvedere, Pasadena, and Huntington Park, by Eastern-Colmbia, Inc., Los Angeles, Calif. Gas ranges. 305,362, Aug. 15, 1933. Republished Feb. 15. Class 34.

Eastern Outfitting Co. of Los Angeles, Calif., Los Angeles, Whittier, Pasadena, and Huntington Park, by Eastern-Columbia, Inc., Los Angeles, Calif. Laundry washing machines. 306,684, Sept. 26, 1933. Republished Feb. 15. Class 24.

Eck, Mable E., Montoursville, Pa. Preparation for the treatment and relief of frozen or frost-bitten parts of the human body. 506,715, Feb. 15; Serial No. 543,579, published Oct. 5, 1948. Class 6.

Eisenstadt Manufacturing Company, St. Louis, Mo. Watches, clocks, match-movements, etc. 112,876, Oct. 3, 1916. Republished Feb. 15. Class 27.

Eisenstadt Manufacturing Company, St. Louis, Mo. Bracelets and wristlets. 174,889, Oct. 23, 1923. Republished Feb. 15. Class 28.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Measuring-faucets and measuring-pumps. 59,604, Jan. 15, 1907. Republished Feb. 15. Class 26.

Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Sad-irons. 60,517, Feb. 12, 1907. Republished Feb. 15. Class 24.

Entire Wheat Bread Company, by Walter Freund Bread Company, St. Louis, Mo. Bread. 123,484, Jan. 13, 1920. Republished Feb. 15. Class 46.

Essex Wire Corporation, Detroit, Mich. Electrical switches, relays, solenoids, etc. 418,361, Dec. 18, 1945. Republished Feb. 15. Class 21.

Essex Wire Corporation, Detroit, Mich. Electrical conducting wire. 428,996, Apr. 15, 1947. Republished Feb. 15. Class 21.

Evans Milling Company: *See*—
American Hominy Company.

Fair, The, Chicago, Ill. Mouth wash. 506,673, Feb. 15; Serial No. 536,347, published Oct. 5, 1948. Class 6.

Faultless Caster Corporation, Evansville, Ind. Caster wheels. 386,026, Mar. 25, 1941. Republished Feb. 15. Class 13.

Fenole Chemical Company: *See*—
Powell, Wyllis R.

Fischer & Co., Inc., New York, N. Y. Ladies' lingerie. 415,324, Aug. 7, 1945. Republished Feb. 15. Class 39.

Fisher Flouring Mills Company, Seattle, Wash. Prepared cornmeal. 432,575, Sept. 9, 1947. Republished Feb. 15. Class 46.

Fisher Silversmiths, Inc., The, Jersey City, N. J., and New York, N. Y. Sterling silver hollow ware and flat ware. 506,644, Feb. 15; Serial No. 534,010, published Oct. 26, 1948. Class 28.

Fitler, Edwin H., Co., The, Philadelphia, Pa. Manila rope. 252,682, renewed Feb. 12, 1949. O. G. Feb. 15. Class 7.

Flexwood Company, The, by The Flexwood Company, Chicago, Ill. Fabric backed wood veneer. 286,555, Sept. 1, 1931. Republished Feb. 15. Class 12.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Solvent clarifier. 251,060, renewed Dec. 25, 1948. O. G. Feb. 15. Class 6.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Sal soda. 253,365, renewed Feb. 26, 1949. O. G. Feb. 15. Class 6.

Ford, J. B., Company, The, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Sal soda. 253,366, renewed Feb. 26, 1949. O. G. Feb. 15. Class 6.

Freund, Walter, Bread Company: *See*—
Entire Wheat Bread Company.

Friend Hide Co., Chicago, Ill., and St. Louis, Mo. Cattle hides, sheepskins, and calf skins. 506,660–6, Feb. 15; Serial Nos. 541,533–4, published Nov. 9, 1948. Class 1.

Fulford, C. E., Limited, Leeds, England. Laxative medicines. 506,665, Feb. 15; Serial No. 534,103, published Oct. 26, 1948. Class 6.

Gallia Silk Mills, Portland, Maine, by Burlington Mills Corporation, Greensboro, N. C. Silk piece goods. 73,662, Mar. 16, 1909. Republished Feb. 15. Class 42.

General Aniline & Film Corporation, New York, N. Y. Sensitised photographic paper. 506,669, Feb. 15; Serial No. 535,025, published Oct. 19, 1948. Class 26.

General Brewing Corporation, San Francisco, Calif. Beer. 316,493, Aug. 28, 1934. Republished Feb. 15. Class 48.

General Brewing Corporation, San Francisco, Calif. Malt beverages. 317,659, Oct. 2, 1934. Republished Feb. 15. Class 48.

General Brewing Corporation, San Francisco, Calif. Ale. 357,221, May 24, 1938. Republished Feb. 15. Class 48.

General Brewing Corporation, San Francisco, Calif. Beer and ale. 368,318, June 13, 1939. Republished Feb. 15. Class 48.

General Brewing Corporation, San Francisco, Calif. Beer. 368,319, June 13, 1939. Republished Feb. 15. Class 48.

General Motors Corporation, Detroit, Mich. Electrical lamps. 506,620, Feb. 15; Serial No. 521,068, published Oct. 19, 1948. Class 21.

General Plastics Manufacturing Company: *See*—
Schatz, Louis W.

General Steel Warehouse Co., Inc., Chicago, Ill. High carbon spring metal, metal strip, and wire. 371,713, Oct. 3, 1939. Republished Feb. 15. Class 14.

Gettier-Montanye, Inc., Baltimore, Md. Hand-operated fans made of paper. 341,629, Dec. 15, 1936. Republished Feb. 15. Class 40.

Gilbert Spruance Company, The, Philadelphia, Pa. Paint enamels and flat paints. 251,826, renewed Jan. 8, 1949. O. G. Feb. 15. Class 16.

Giménez, Jorge, Catano, P. R. Medicine. 506,770, Feb. 15; Serial No. 550,911, published Nov. 2, 1948. Class 6.

Gladding, B. F., & Co. Inc., South Otselic, N. Y. Fishing lines. 506,622, Feb. 15; Serial No. 527,062, published Oct. 5, 1948. Class 22.

Globe Automatic Sprinkler Company, Philadelphia, Pa. Automatic sprinklers, automatic sprinkler systems, waterflow alarm valves, etc. 304,990, July 25, 1933. Republished Feb. 15. Class 13.

Goldner, Julius, doing business as Regal Chemical Co., Brooklyn, N. Y. Hydraulic brake fluid. 506,616, Feb. 15; Serial No. 519,816, published Oct. 19, 1948. Class 6.

Goodrich, B. F., Company, The: *See*—
Hood Rubber Company.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollow ware, and table cutlery. 506,607, Feb. 15; Serial No. 503,081, published Oct. 26, 1948. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollow ware, and table cutlery. 506,608, Feb. 15; Serial No. 503,083, published Oct. 26, 1948. Class 28.

Gorham Manufacturing Company, Providence, R. I. Sterling silver flatware, hollow ware, and table cutlery. 506,609, Feb. 15; Serial No. 503,091, published Oct. 26, 1948. Class 28.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. Wood stains. 329,821, Nov. 12, 1935. Republished Feb. 15. Class 16.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. General industrial finishes. 373,618, Dec. 12, 1939. Republished Feb. 15. Class 16.

Grand Rapids Varnish Corporation, Grand Rapids, Mich. Cleaning polish for furniture, automobiles, and finished surfaces. 422,772, Aug. 13, 1946. Republished Feb. 15. Class 16.

Gray, Dorothy, New York, N. Y., to Lehn & Fink Products Corporation, Bloomfield, N. J. Toilet preparations. 255,862, renewed Apr. 30, 1949. O. G. Feb. 15. Class 6.

Great American Tea Company, The, New York, N. Y. Antiseptic medicated cream. 506,762, Feb. 15; Serial No. 550,226, published Nov. 2, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Antiseptic astringent mouth wash. 506,763, Feb. 15; Serial No. 550,228, published Nov. 2, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Tooth powder. 506,764, Feb. 15; Serial No. 550,229, published Nov. 2, 1948. Class 6.

Great American Tea Company, The, New York, N. Y. Liniment. 506,767, Feb. 15; Serial No. 550,690, published Nov. 2, 1948. Class 6.

Green, Ward, Company, New York, N. Y. Abdominal supporters. 506,797, Feb. 15; Serial No. 544,445. Class 44.

Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Tablets for the relief of colds. 506,771, Feb. 15; Serial No. 550,920, published Oct. 19, 1948. Class 6.

Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Folic acid. 506,716, Feb. 15; Serial No. 543,708, published Nov. 9, 1948. Class 6.

Haas-Miller Corporation, Philadelphia, Pa. Compound for general cleaning of windows, woodwork, rugs, etc. 430,254, June 10, 1947. Republished Feb. 15. Class 4.

Haas-Miller Corporation, Philadelphia, Pa. Liquid, neutral, non-ionic detergent and wetting agent. 435,525, Dec. 30, 1947. Republished Feb. 15. Class 4.

Hall-Neal Furnace Company, Indianapolis, Ind. Complete heating and air conditioning, humidifying, and cooling units, etc. 341,630, Dec. 15, 1936. Republished Feb. 15. Class 34.

Hanley, James, Brewing Company, The, by The James

International Braid Company (1947): *See*—

Ladyarn Sportwear, New York, by Ladyarn Sportwear, Inc. Brooklyn, N. Y. Ladies' and misses' sweaters

McCormick & Company, by McCormick & Co., Incorporated, Baltimore, Md. Glue. 45,231, Aug. 8, 1905. Repub-

Hanley, James, Brewing Company, The, by The James Hanley Company, Providence, R. I. Ale, porter, and lager-beer. 106,434, Oct. 19, 1915. Republished Feb. 15. Class 48.
Hanley, James, Company, The: *See—*
  Hanley, James, Brewing Company, The.
Harris, John J., doing business as No Equal Products Company Not Inc., and Nature's Mineral Health Food Shop, Chicago, Ill. Dentifrices. 506,636, Feb. 15; Serial No. 528,718, published Sept. 28, 1948. Class 6.
Harrower Laboratory, Inc., The, Glendale, Calif. Solution which is an estrus stimulating principle derived from the placenta and used as an ovarian and sex stimulant. 506,786, Feb. 15; Serial No. 557,277, published Oct. 12, 1948. Class 6.
Hartsell Industries, Inc., Piqua, Ohio. Ventilator, blowers, and fans. 278,022, Dec. 2, 1930. Republished Feb. 15. Class 34.
Heal, James H., doing business as Treatment Service and Engineering Company, San Francisco, Calif. Ground flax seed, mixed with other chemicals. 442,082, Feb. 15; Serial No. 509,286, published Nov. 9, 1948. Class 6.
Health Laboratories: *See—*
  Walker, W. & H., Inc.
Hecht Company, The: *See—*
  Hecht & Company.
Hecht & Company, by The Hecht Company, Washington, D. C. Refrigerators and ice boxes. 120,101, Jan. 8, 1918. Republished Feb. 15. Class 31.
Heublein, G. F., & Bro., Hartford, Conn. Whiskey. 381,732, Oct. 1, 1940. Republished Feb. 15. Class 49.
Higgins-Babcock-Hurd Company, The, by Clover Farm Stores Corporation, Cleveland, Ohio. Salad dressing, vinegar, canned fruits, etc. 170,847, July 24, 1923. Republished Feb. 15. Class 46.
Hinds, A. S., Portland, Maine, by Lehn & Fink Products Corporation, Bloomfield, N. J. Cream for the face, hands, skin, etc. 201,586, Aug. 4, 1925. Republished Feb. 15. Class 6.
Hobbs Battery Company, San Francisco, Calif. Storage batteries. 506,698, Feb. 15; Serial No. 541,678, published Oct. 26, 1948. Class 21.
Hoberg Paper & Fibre Company, by Hoberg Paper Mills, Inc., Green Bay, Wis. Paper wadding. 229,517, June 28, 1927. Republished Feb. 15. Class 44.
Hoberg Paper Mills, Inc.: *See—*
  Hoberg Paper & Fibre Company.
Hood Rubber Company, Watertown, Mass., to The B. F. Goodrich Company, Akron, Ohio. Rubber boots and shoes, rubber overshoes, etc. 255,855, renewed Apr. 30, 1949. O. G. Feb. 15. Class 39.
Horn, Lambert W., San Francisco, Calif. Body cleansing oil. 506,702, Feb. 15; Serial No. 542,471, published Oct. 5, 1948. Class 6.
Horn Surgical Company, Philadelphia, Pa. Seamless elastic arch grippers, elastic hip reducers, shoulder braces, etc. 306,051, Sept. 5, 1933. Republished Feb. 15. Class 44.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 174,500, Oct. 16, 1923. Republished Feb. 15. Class 33.
Houze, L. J., Convex Glass Company, Point Marion, Pa. Sheet glass. 174,652, Oct. 23, 1923. Republished Feb. 15. Class 33.
Humbert, Alfred & Son, Philadelphia, Pa. Wedding rings. 193,226–7, Dec. 23, 1924. Republished Feb. 15. Class 28.
Huntington Laboratories, Inc., Huntington, Ind. Powdered cleanser. 435,763, Jan. 6, 1948. Republished Feb. 15. Class 4.
Hygienic Productions Inc., Wilmington, Ohio. Pharmaceutical preparations. 506,746, Feb. 15; Serial No. 548,258, published Nov. 2, 1948. Class 6.
"Ideal" Tannerie De Wiltz S. A., Wiltz, Luxemburg. Leather and tanned skins. 313,865, June 12, 1934. Republished Feb. 15. Class 1.
Independent Salt Company, New York, N. Y., by International Salt Company, Scranton, Pa. Salt. 157,987, Aug. 22, 1922. Republished Feb. 15. Class 46.
Independent Salt Company, New York, N. Y., by International Salt Company, Scranton, N. J. Salt. 160,890, Oct. 31, 1922. Republished Feb. 15. Class 46.
Inertol Co., Inc., Newark, N. J. Waterproofing and protective paint or enamel coating. 387,353–4, May 13, 1941. Republished Feb. 15. Class 16.
Inertol Co., Inc., Newark, N. J. Non-drying paint. 394,796, Apr. 28, 1942. Republished Feb. 15. Class 16.
Inertol Co., Inc., Newark, N. J. Waterproofing and protective paint or enamel coating. 402,589, Aug. 3, 1949. Republished Feb. 15. Class 16.
Inertol Co., Inc., Newark, N. J. Waterproofing and protective paint or enamel coating. 402,715, Aug. 10, 1943. Republished Feb. 15. Class 16.
International Braid Company, by International Braid Company (1947), Providence, R. I. Shoe lacings, corset lacings, underwear lacings, etc. 202,773, Sept. 1, 1925. Republished Feb. 15. Class 40.
International Braid Company, by International Braid Company (1947), Providence, R. I. Tapes and webbings, etc. 374,255, Jan. 2, 1940. Republished Feb. 15. Class 40.
International Braid Company, by International Braid Company (1947), Providence, R. I. Shoe laces. 378,451, June 11, 1940. Republished Feb. 15. Class 40.
International Braid Company (1947): *See—*
  International Braid Company.
International Nickel Company, The, to The International Nickel Company, Inc., New York, N. Y. Pieces of nickel. 249,552, renewed Nov. 20, 1948. O. G. Feb. 15. Class 14.
International Nickel Company, Inc., The: *See—*
  International Nickel Company, The.
International Salt Company: *See—*
  Independent Salt Company.
  International Salt Co. of New York.
International Salt Co. of New York, New York, N. Y., by International Salt Company, Scranton, Pa. Salt. 153,763, Mar. 28, 1922. Republished Feb. 15. Class 46.
Inter-State Auto Parts Co., Inc., New York, N. Y. Automobile accessories. 249,737, renewed Nov. 20, 1948. O. G. Feb. 15. Class 21.
Iowa Malleable Iron Company, Fairfield, Iowa. Malleable-iron castings. 156,690, July 11, 1922. Republished Feb. 15. Class 14.
Ironite Company: *See—*
  Rauhoff, John M.
Ismert-Hincke Milling Company, Kansas City, Kans. Wheat flour. 60,681–2, Feb. 19, 1907. Republished Feb. 15. Class 46.
J. M. F. Chemical Company, Bryan, Tex. Herbicides. 506,755, Feb. 15; Serial No. 549,151, published Sept. 14, 1948. Class 6.
Jamestown Finishing Products, Inc., Jamestown, N. Y. Wood stains, paste fillers, liquid sealers, liquid lacquers, varnishes, etc. 442,086, Feb. 15; Serial No. 497,798. Class 16.
Jeffrey Manufacturing Company, The, to The Jeffrey Manufacturing Company, Columbus, Ohio. Pulverizing and crushing apparatus. 255,648, renewed Apr. 30, 1949. O. G. Feb. 15. Class 23.
Jergins, Andrew, Company, The: *See—*
  Williams, J. B., Company, The.
Jerguson Gage & Valve Company, Somerville, Mass. Liquid level gages and accessories thereof. 506,748, Feb. 15; Serial No. 548,375, published Oct. 26, 1948. Class 26.
Jolibar Hosiery Co., Boston, Mass. Hosiery. 386,673, Apr. 22, 1941. Republished Feb. 15. Class 39.
Joseff-Hollywood, Burbank, Calif. Jewelry. 506,658, Feb. 15; Serial No. 532,830, published Oct. 26, 1948. Class 28.
Joy, Archie, doing business as Tri-State Insulation Company, Midland, S. Dak. Ground paper insulation. 506,798, Feb. 15; Serial No. 547,127. Class 12.
K-D Lamp Division of Noma Electric Corporation: *See—*
  Noma Electric Corporation.
Kaufmann Department Stores, Inc., Pittsburgh, Pa., by The May Department Stores Company, St. Louis, Mo. Cotton bed sheets, linen bed sheets, cotton pillow cases, etc. 229,928, July 12, 1927. Republished Feb. 15. Class 42.
Kendall Company, The, Boston, Mass. Pressure sensitive adhesive tape. 435,666, Jan. 6, 1948. Republished Feb. 15. Class 5.
Kennedy, Raymond A., Sioux City, Iowa. Machines used for determining and correcting the static or dynamic balance or both, of automobile wheels, etc. 506,650, Feb. 15; Serial No. 531,682, published Sept. 28, 1948. Class 26.
Kent-Moore Organization Inc., Detroit, Mich. Headlight testers. 374,135, Jan. 2, 1940. Republished Feb. 15. Class 26.
Kerr, Archie H., by D. H. Allen, doing business as National Hog Medicine Co., Raleigh, N. C. Medicinal preparation. 126,229, Aug. 5, 1919. Republished Feb. 15. Class 6.
Kilgore Manufacturing Company, The, Westerville, Ohio. Toy pistols. 336,461, July 7, 1936. Republished Feb. 15. Class 22.
Koch Laboratories, Inc., Winona, Minn. Tablet dentifrice and mouth freshener. 506,791, Feb. 15; Serial No. 516,987. Class 6.
Kono Manufacturing Company, The, Woodside, N. Y. Eyeglass and spectacle frames. 506,704, Feb. 15; Serial No. 542,593, published Oct. 5, 1948. Class 26.
Kono Manufacturing Co., The, Woodside, N. Y. Eyeglass and spectacle frames. 506,718, Feb. 15; Serial No. 544,169, published Oct. 26, 1948. Class 26.
Krembs & Company: *See—*
  Krembs, Ottmar M.
Krembs, Ottmar M., doing business as Krembs & Company, Chicago, Ill. Brazing flux. 254,799, Apr. 2, 1929. Republished Feb. 15. Class 6.
Kucera, Henry T., doing business as Automatic Devices Co., Chicago, Ill. Thermostatic temperature controls. 506,617, Feb. 15; Serial No. 519,961, published Sept. 28, 1948. Class 26.
Kulp, Emil, doing business as Kulp Manufacturing Co., Chicago, Ill. Scalp unction. 506,645, Feb. 15; Serial No. 530,942, published Nov. 9, 1948. Class 6.
Kulp Manufacturing Co.: *See—*
  Kulp, Emil.
Laco Products, Inc.: *See—*
  Lockwood, Adams and Company.
  Swartwout, George A.

Ladyarn Sportwear, New York, by Ladyarn Sportwear, Inc., Brooklyn, N. Y. Ladies' and misses' sweaters and sweater ensembles. 409,527, Oct. 10, 1944. Republished Feb. 15. Class 39.
Ladyarn Sportwear, Inc.: *See—*
  Ladyarn Sportwear.
Lakeside Laboratories, Inc., Milwaukee, Wis. Mecurial diuretic. 506,726, Feb. 15; Serial No. 544,742, published Oct. 26, 1948. Class 6.
Lander Co., Inc., The, New York, N. Y. Face powder, lipstick, toilet water, etc. 506,615, Feb. 15; Serial No. 518,468, published Oct. 5, 1948. Class 6.
Lawrence Mfg. Inc., Providence, R. I. Jewelry. 413,315, Apr. 17, 1945. Republished Feb. 15. Class 28.
Lawrence Mfg., Inc., Providence, R. I. Jewelry. 431,432, July 22, 1947. Republished Feb. 15. Class 28.
Laymon, Herman B., doing business as World's Products Company, Spencer, Ind. Aspirin tablets, chocolate coated laxative tablets, headache tablets, etc. 506,654, Feb. 15; Serial No. 532,304, published Oct. 26, 1948. Class 6.
Lehigh Valley Silk Mills, South Bethlehem, Pa., by Burlington Mills Corporation, Greensboro, N. C. Silk dress goods. 61,484, Mar. 26, 1907. Republished Feb. 15. Class 42.
Lehn & Fink Products Corporation: *See—*
  Gray, Dorothy.
  Hinds, A. S.
Lelong, Lucien, Paris, France, by Lucien Lelong, Inc., Chicago, Ill. Perfumes, hair lotions, complexion powder, etc. 233,371, Sept. 27, 1927. Republished Feb. 15. Class 6.
Lelong, Lucien, Inc.: *See—*
  Lelong, Lucien.
Levy, Myron B., Co., Inc., New York, N. Y. Neckwear tie interlinings. 506,700, Feb. 15; Serial No. 541,847, published Oct. 19, 1948. Class 42.
Lilli Ann Corp., San Francisco, Calif. Ladies' coats, suits, dresses, and fur trimmed coats. 434,329, Nov. 18, 1947. Republished Feb. 15. Class 39.
Limoneira Company, Santa Paula, Calif. Fresh citrus fruits. 255,511, renewed Apr. 23, 1949. O. G. Feb. 15. Class 46.
Lincoln Fabrics Co., by Lincoln Fabrics Co. Inc., New York, N. Y. Rayon piece goods. 416,116, Aug. 28, 1945. Republished Feb. 15. Class 42.
Lincoln Fabrics Co., by Lincoln Fabrics Co. Inc., New York, N. Y. Rayon piece goods. 424,724, Oct. 22, 1946. Republished Feb. 15. Class 42.
Lincoln Fabrics Co. Inc.: *See—*
  Lincoln Fabrics Co.
Lockwood, Adams, and Company, Boston, Mass., to Laco Products, Inc., Baltimore, Md. Soaps. 72,373, re-renewed Jan. 19, 1949. O. G. Feb. 15. Class 4.
Lowe, Donald, and Company Limited, Peebles, Scotland. Cloths and stuffs of wool, worsted or hair. 506,776, Feb. 15; Serial No. 553,725, published Oct. 19, 1948. Class 42.
Luescot Beauty Products: *See—*
  Scott, Louise.
Machine-Research: *See—*
  Bugge, Erling P.
Mandeville & King Company, Rochester, N. Y. Flower seeds. 506,672, Feb. 15; Serial No. 535,724, published Nov. 9, 1948. Class 1.
Marigold Coal Mining Company, Jasper, Ala. Coal. 385,031, Feb. 11, 1941. Republished Feb. 15. Class 1.
Marine Optical Mfg. Co., Roslindale, Boston, Mass. Optical frames. 506,614, Feb. 15; Serial No. 517,501, published Sept. 28, 1948. Class 26.
Master Rule Manufacturing Co., Inc., White Plains, N. Y., and elsewhere in the United States. Graduated steel tapes for measuring purposes. 506,661, Feb. 15; Serial No. 533,761, published Oct. 26, 1948. Class 26.
Master Rule Manufacturing Co., Inc., White Plains, N. Y., and elsewhere in the United States. Graduated steel tapes for measuring purposes. 506,662, Feb. 15; Serial No. 533,763, published Oct. 26, 1948. Class 26.
Master Rule Manufacturing Co., Inc., White Plains, N. Y., and elsewhere in the United States. Graduated steel tapes for measuring purposes. 506,663, Feb. 15; Serial No. 533,764, published Oct. 26, 1948. Class 26.
May Department Stores Company, The: *See—*
  Kaufmann Department Stores, Inc.
May Department Stores Company, The, St. Louis, Mo. Razor blades. 248,506, renewed Oct. 23, 1948. O. G. Feb. 15. Class 23.
May Department Stores Company, New York, N. Y., to May Department Stores Company, St. Louis, Mo. Men's and boys' clothing. 248,669, renewed Oct. 30, 1948. O. G. Feb. 15. Class 39.
May Department Stores Company, New York, N. Y., to May Department Stores Company, St. Louis, Mo. Boys' coats, vests, and trousers. 248,723, renewed Oct. 30, 1948. O. G. Feb. 15. Class 39.
McBrady, J. E., & Co., Chicago, Ill. Body deodorant, body dusting powder, talcum powder, etc. 506,778, Feb. 15; Serial No. 551,124, published Oct. 26, 1948. Class 6.
McBrest & McBrest, Inc., New York, N. Y. Magazine. 434,264, Nov. 18, 1947. Republished Feb. 15. Class 38.
McCormick & Company, by McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,158, Aug. 8, 1905. Republished Feb. 15. Class 46.
McCormick & Company, by McCormick & Co., Incorporated, Baltimore, Md. Glue. 45,231, Aug. 8, 1905. Republished Feb. 15. Class 5.
McCormick & Company, by McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,575, Aug. 22, 1905. Republished Feb. 15. Class 46.
McCormick & Company, by McCormick & Co., Incorporated, Baltimore, Md. Ground and unground spices and mustards. 46,038, Sept. 5, 1905. Republished Feb. 15. Class 46.
McCormick & Co., by McCormick & Co., Incorporated, Baltimore, Md. Tea. 58,984, Dec. 25, 1906. Republished Feb. 15. Class 46.
McCormick & Co., Incorporated: *See—*
  McCormick & Co.
  McCormick & Company.
McHenry, Helen, Toledo, Ohio. Toilet creams, hair oil, and deodorant. 506,675, Feb. 15; Serial No. 537,059, published Oct. 19, 1948. Calss 6.
Meade, Charles A., Poughkeepsie, N. Y. Bricks, blocks and hollow tiles. 388,896, July 15, 1941. Republished Feb. 15. Class 12.
Medart Company, The: *See—*
  Medart, Fred, Manufacturing Company.
Medart, Fred, Manufacturing Company, to The Medart Company, St. Louis, Mo. Exercising apparatus. 73,640, re-renewed May 4, 1949. O. G. Feb. 15. Class 22.
Meinecke & Company, New York, N. Y. Liquid cleansing composition. 402,007, June 22, 1943. Republished Feb. 15. Class 4.
Merrimack Manufacturing Company, by Merrimack Manufacturing Company (1948), Lowell, Mass. Printed and dyed calicoes, cloth made from carded and combed cotton yarns, etc. 63,282, June 11, 1907. Republished Feb. 15. Class 42.
Merrimack Manufacturing Company (1948): *See—*
  Merrimack Manufacturing Company.
Michigan Alkali Company, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Soda ash, bicarbonate of soda, and caustic soda. 32,438, re-renewed Jan. 31, 1949. O. G. Feb. 15. Class 6.
Michigan, Alkali Company, to Wyandotte Chemicals Corporation, Wyandotte, Mich. Calcium chloride. 250,303, renewed Dec. 4, 1948. O. G. Feb. 15. Class 6.
Mid-Western Die Casting Co., Chicago, Ill. Die cast parts. 435,552, Dec. 30, 1947. Republished Feb. 15. Class 14.
Mills, Thomas, Inc., High Point, N. C. Hosiery. 252,947, renewed Feb. 19, 1949. O. G. Feb. 15. Class 39.
Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 506,705, Feb. 15; Serial No. 542,622, published Oct. 19, 1948. Class 26.
Mohawk Condensed Milk Co., Rochester, N. Y., to Mohawk Milk Products Company, Inc., Los Angeles, Calif. Condensed milk. 71,394, re-renewed Nov. 24, 1948. O. G. Feb. 15. Class 46.
Mohawk Milk Products Company, Inc.: *See—*
  Mohawk Condensed Milk Co.
Moore-Montroy Electric Co., Los Angeles, Calif. Electric lighting fixtures and luminous signs. 506,631, Feb. 15; Serial No. 528,576, published Nov. 2, 1948. Class 21.
Mooresville Mills, Mooresville, N. C. Rayon piece goods. 506,785, Feb. 15; Serial No. 554,505, publised Oct. 19, 1948. Class 42.
Moran, R. J., Co., Boston, Mass. Cod liver oil ointment with medicinal gentian. 506,743, Feb. 15; Serial No. 547,648, published Oct. 26, 1948. Class 6.
Napier Company, The, Meriden, Conn. Bowls, dishes, flower holders, etc. 506,688, Feb. 15; Serial No. 540,854, published Oct. 26, 1948. Class 28.
Napier Company, The, Meriden, Conn. Necklaces, bracelets, brooches, etc. 506,691, Feb. 15; Serial No. 541,166, published Oct. 26, 1948. Class 28.
Nash-De Camp Company, Visalia, Calif. Fresh deciduous fruits and fresh citrus fruits. 436,058, Jan. 20, 1948. Republished Feb. 15. Class 46.
Nathanson, Joseph G., Natick, R. I. Textile treatment chemicals. 506,630, Feb. 15; Serial No. 528,502, published Nov. 9, 1948. Class 6.
National Aluminate Corporation, Chicago, Ill. Ion exchange compositions. 506,626, Feb. 15; Serial No. 527,935, published Oct. 19, 1948. Class 6.
National Ammonia Company, Inc., Philadelphia, Pa., to E. I. du Pont de Nemours and Company, Wilmington, Del. Ammonia. 250,515, renewed Dec. 11, 1948. O. G. Feb. 15. Class 6.
National Cooperatives, Incorporated: *See—*
  National Co-Operatives, Inc.
  Universal Milking Machine Company, The.
National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Ready mixed paints, varnishes, and paint enamels. 358,787, July 26, 1938. Republished Feb. 15. Class 16.
National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Electric refrigerators. 361,160, Oct. 11, 1938. Republished Feb. 15. Class 31.
National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Electric and gasoline motored washing machines and electric ironers. 366,016, Mar. 28, 1939. Republished Feb. 15. Class 24.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Nonalcoholic, maltless beverages.
Pebbleford Distillery Company: *See—*
  Dennehy, Thomas C.
Penn Metal Company, Cambridge, to Penn Metal Com-

Rauhoff, John M., by Ironite Company, Chicago, Ill. Composition to be applied to cement and concrete structures. 83,943, Oct. 24, 1911. Republished Feb. 15. Class 12.
Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos stove
Sacks-Barlow Foundries, Inc., Newark, N. J. Heel, toe, and sole plates. 333,329, Mar. 17, 1936. Republished Feb. 15. Class 13.
Samson Cordage Works, Boston, Mass. Cords, lines,

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Nonalcoholic, maltless beverages. 374,276, Jan. 2, 1940. Republished Feb. 15. Class 45.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Brooms, whisk brooms, scrubbing brushes, etc. 375,085, Feb. 6, 1940. Republished Feb. 15. Class 29.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Emery cloth, emery wheels, sand paper, etc. 377,731, May 14, 1940. Republished Feb. 15. Class 4.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Cigars, cigarettes, smoking tobacco, etc. 377,941, May 21, 1940. Republished Feb. 15. Class 17.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Cotton, burlap, and paper bags, cartons, bags, paper cups, etc. 379,852, July 30, 1940. Republished Feb. 15. Class 2.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Automobile, tractor, and bicycle pneumatic tires and inner tubes, etc. 386,373, Apr. 8, 1941. Republished Feb. 15. Class 35.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Matches, dynamite, fuses, etc. 396,454, July 21, 1942. Republished Feb. 15. Class 9.

National Hog Medicine Co.: *See*—
Kerr, Archie H.

National Institute of Music & Arts, Inc., Seattle, Wash. Brass, reed, and stringed musical instruments. 360,635, Sept. 20, 1938. Republished Feb. 15. Class 36.

Nature's Mineral Health Food Shop: *See*—
Harris, John J.

Nedick's Inc.: *See*—
Nedick's Stores, Inc.

Nedick's Stores, Inc., by Nedick's Inc., New York, N. Y. Non-alcoholic, noncereal, maltless beverages. 418,265, Dec. 11, 1945. Republished Feb. 15. Class 45.

Newport Optical Manufacturing Co., Inc., Brooklyn, N. Y. Spectacle frames. 506,613, Feb. 15; Serial No. 517,082, published Sept. 28, 1948. Class 26.

Noble, F. H., & Co., Chicago, Ill. Jewelry. 506,644, Feb. 15; Serial No. 530,553, published Oct. 26, 1948. Class 28.

No Equal Products Company Not Inc.: *See*—
Harris, John J.

Noma Electric Corporation, doing business as K-D Lamp Division of Noma Electric Corporation, New York, N. Y., and Cincinnati, Ohio. Automotive lighting and safety appliances. 506,674, Feb. 15; Serial No. 536,829, published Nov. 2, 1948. Class 21.

Northwestern Fisheries Company, Seattle, by Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 67,482, Feb. 4, 1908. Republished Feb. 15. Class 46.

Novadel-Agene Corporation, Belleville, N. J., and Buffalo, N. Y. Liquid compounds or solutions. 506,652, Feb. 15; Serial No. 532,052, published Oct. 5, 1948. Class 6.

Oakes & Company, Chicago, Ill. Radio receiving sets and parts thereof. 506,687, Feb. 15; Serial No. 540,561, published Sept. 7, 1948. Class 21.

Ohio Brass Company, The, Mansfield, Ohio. Single pole switch circuit breakers and double pole junction boxes and safety feeder switches, etc. 506,618, Feb. 15; Serial No. 520,053, published Oct. 19, 1948. Class 21.

Operadio Manufacturing Co., St. Charles, Ill. Picture projectors and combined phonographs and projectors. 506,714, Feb. 15; Serial No. 543,212, published Oct. 26, 1948. Class 26.

Owens Brush Company, Toledo, Ohio. Toothbrushes. 506,640–1, Feb. 15; Serial Nos. 530,246–7, published Oct. 5, 1948. Class 29.

Pacific American Fisheries, Inc.: *See*—
Northwestern Fisheries Company.

Packwood, G. H., Mfg. Co., St. Louis, Mo. Powdered soap product. 253,176, renewed Feb. 19, 1949. O. G. Feb. 15. Class 4.

Palmer Laboratories, Lancaster, Pa. Preparation for the treatment of varicose ulcers, minor burns, and external skin irritations. 506,730, Feb. 15; Serial No. 545,275, published Oct. 5, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Enteric-coated gland-product tablets. 254,001, renewed Mar. 12, 1949. O. G. Feb. 15. Class 6.

Parke, Davis & Company, Detroit, Mich. Carbon tetrachloride. 254,506, renewed Mar. 26, 1949. O. G. Feb. 15. Class 6.

Parke, Davis & Company, Detroit, Mich. Pressor principle of the pituitary gland. 254,507, renewed Mar. 26, 1949. O. G. Feb. 15. Class 6.

Parke, Davis & Company, Detroit, Mich. Liquid preparation for the treatment of coughs, colds, and bronchial affections. 254,509, renewed Mar. 26, 1949. O. G. Feb. 15. Class 6.

Parke, Davis & Company, Detroit, Mich. Vitamin preparations, analgesics, hypnotics, etc. 506,627–9, Feb. 15; Serial Nos. 528,093–5, published Oct. 5, 1948. Class 6.

Pebbleford Distillery Company: *See*—
Dennehy, Thomas C.

Penn Metal Company, Cambridge, to Penn Metal Company, Inc., Boston, Mass. Metal lath. 255,434, renewed Apr. 23, 1949. O. G. Feb. 15. Class 12.

Penn Metal Company, Cambridge, to Penn Metal Company, Inc., Boston, Mass. Metal lathing. 255,453–4, renewed Apr. 23, 1949. O. G. Feb. 15. Class 12.

Penn Metal Company, Inc.: *See*—
Penn Metal Company.

Penn-Plastics Corporation, Glenside, Pa. Molded industrial plastic electric switch plates. 506,657, Feb. 15; Serial No. 532,752, published Oct. 19, 1948. Class 21.

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. 435,924, Jan. 13, 1948. Republished Feb. 15. Class 17.

Percival, D. C., & Co., Inc., Boston, Mass. Diamond-set jewelry. 279,115, Jan. 6, 1931. Republished Feb. 15. Class 28.

Perkins Products Company, Chicago, Ill. Prepared powder containing flavor, fruit acid, and color. 317,955, Oct. 9, 1934. Republished Feb. 15. Class 45.

Pharmaceuticals, Inc., Los Angeles, Calif. Iodophenols in a gelatinous base. 506,747, Feb. 15; Serial No. 548,287, published Nov. 2, 1948. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 506,735–8, Feb. 15; Serial Nos. 547,392–5, published Nov. 2, 1948. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda and silicate of potash. 506,739, Feb. 15; Serial No. 547,396, published Nov. 2, 1948. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 506,740, Feb. 15; Serial No. 547,397, published Nov. 2, 1948. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 506,741–2, Feb. 15; Serial Nos. 547,399–400, published Nov. 2, 1948. Class 6.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 506,757, Feb. 15; Serial No. 549,319, published Oct. 26, 1948. Class 6.

Philadelphia Steel and Wire Corporation, Philadelphia, Pa. Spring washers. 411,571, Jan. 23, 1945. Republished Feb. 15. Class 13.

Plee-Zing Corporation, The, New York, N. Y., and Savannah, Ga., by Plee-Zing, Inc., Chicago, Ill. Toothpicks. 212,611, May 11, 1926. Republished Feb. 15. Class 44.

Plee-Zing, Inc.: *See*—
Plee-Zing Corporation, The.
Simmons, George W. Corporation.

Plee-Zing, Inc., Chicago, Ill. Tissue paper, toilet paper. 366,027, Mar. 28, 1939. Republished Feb. 15. Class 37.

Plee-Zing, Inc., Chicago, Ill. Sanitary napkins. 392,214, Dec. 16, 1941. Republished Feb. 15. Class 44.

Plee-Zing, Inc., Chicago, Ill. Desk calendars, facial tissues, price tags, etc. 399,581, Jan. 19, 1943. Republished Feb. 15. Class 37.

Plough, Inc., Memphis, Tenn. Powder for prickly heat, nettle rash, and chafed skin. 506,662, Feb. 15; Serial No. 538,172, published Oct. 19, 1948. Class 6.

Poole, Myron C., Bay City, Mich. Ladies' bracelets. 506,667, Feb. 15; Serial No. 534,555, published Oct. 26, 1948. Class 28.

Porter & Wents, Inc., Brownsville, Tex. Fresh vegetables. 434,696, Dec. 2, 1947. Republished Feb. 15. Class 46.

Powell, Wylie B., doing business as Fesele Chemical Company, Jacksonville, Fla. Insecticides. 230,121, July 12, 1927. Republished Feb. 15. Class 6.

Priddy, Chas. W., & Company, Incorporated, Norfolk, Va. Fertilizers. 233,235, renewed Feb. 26, 1949. O. G. Feb. 15. Class 10.

Prolong Company: *See*—
Wilhelm, Warner F.

Publicker Industries Inc., Philadelphia, Pa. Riboflavin supplement. 506,621, Feb. 15; Serial No. 526,592, published Nov. 2, 1948. Class 6.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils, etc. 252,484, renewed Feb. 12, 1949. O. G. Feb. 15. Class 15.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils, etc. 252,544–6, renewed Feb. 12, 1949. O. G. Feb. 15. Class 15.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils and greases, etc. 252,550, renewed Feb. 12, 1949. O. G. Feb. 15. Class 15.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils, etc. 252,565, renewed Feb. 12, 1949. O. G. Feb. 15. Class 15.

Pure Oil Company, The, Chicago, Ill. Hydrocarbon motor-fuel oils, lubricating oils and greases, etc. 254,907, renewed Apr. 2, 1949. O. G. Feb. 15. Class 15.

Puritan Company, Incorporated, Rochester, N. Y. Brake fluid. 506,660, Feb. 15; Serial No. 533,613, published Oct. 26, 1948. Class 6.

Pyro Chemical Company, assignee: *See*—
Swartwout, George A.

Quiz Kids, Inc., Chicago, Ill., assignor to L. G. Cowan, by L. G. Cowan, New York, N. Y. Scripts. 389,361, Aug. 5, 1941. Republished Feb. 15. Class 38.

Quiz Kids, Inc., Chicago, Ill., assignor to L. G. Cowan, by L. G. Cowan, New York, N. Y. Question and answer games, card games, table board games, etc. 390,568, Sept. 30, 1941. Republished Feb. 15. Class 22.

Rauhoff, John M., by Ironite Company, Chicago, Ill. Composition to be applied to cement and concrete structures. 83,943, Oct. 24, 1911. Republished Feb. 15. Class 12.

Raybestos-Manhattan, Inc., Passaic, N. J. Asbestos stove wicking. 506,787, Feb. 15; Serial No. 493,825. Class 24.

Raygram Corporation, New York, N. Y. Photographic and dark-room apparatus, accessories, and specialties. 506,655–6, Feb. 15; Serial No. 532,495–6, published Oct. 26, 1948. Class 26.

Raymond Laboratories, Inc., St. Paul, Minn. Preparations for the treatment of hair. 506,754, Feb. 15; Serial No. 549,086, published Nov. 2, 1948. Class 6.

Raytheon Manufacturing Company, Newton, Mass. Electric motors. 506,701, Feb. 15; Serial No. 541,964, published Aug. 31, 1948. Class 21.

Redhurd Corporation, Terre Haute, Ind. Pure concentrated eggs. 432,231, Aug. 26, 1947. Republished Feb. 15. Class 46.

Regal Chemical Co.: *See*—
Goldner, Julius.

Remmer Chemical Company: *See*—
Remmers, H. F.

Remmers, H. F., doing business as Remmer Chemical Company, Chicago, Ill. Embalming fluid. 506,706, Feb. 15; Serial No. 542,655, published Sept. 28, 1948. Class 6.

Ricardo Metal Mfg. Co., Denver, Colo. Belt buckles, necktie pins, necktie clasps, etc. 506,692, Feb. 15; Serial No. 541,182, published Oct. 26, 1948. Class 28.

Richardson, Artemas P., by Thos. D. Richardson Company, Philadelphia, Pa. Plaited cream mint and other candy. 37,225, Oct. 22, 1901. Republished Feb. 15. Class 46.

Richardson, Artemas P., by Thos. D. Richardson Company, Philadelphia, Pa. Mint candy. 45,084, Aug. 1, 1905. Republished Feb. 15. Class 46.

Richardson, Thos. D., Company: *See*—
Richardson, Artemas P.

Richgrove-Jasmine Citrus Association, Delano, Calif. Fresh citrus fruits. 431,262, July 15, 1947. Republished Feb. 15. Class 46.

Rig Company, The: *See*—
Guy, Ralph I.

Rivers, Therese Y., New York, N. Y. Hair and scalp preparation. 506,728, Feb. 15; Serial No. 545,038, published Oct. 26, 1948. Class 6.

Roberk Co., The: *See*—
Robins-Berke Co.

Roberk Company, The: *See*—
Robins-Berke Co.

Robins-Berke Co., assignor to The Roberk Co., by The Robert Company, Norwalk, Conn. Rear vision mirrors and parts therefor, exhaust pipe gas deflectors, and gas tank caps. 425,955, Dec. 10, 1946. Republished Feb. 15. Class 19.

Robinson, Jeanene, Preparations: *See*—
Robinson, Frances J.

Robinson, Frances J., doing business as Jeanene Robinson Preparations, Ely, Nev. Chemical preparation used in the treatment of the hair and scalp. 506,681, Feb. 15; Serial No. 538,040, published Nov. 2, 1948. Class 6.

Robson Corporation, The, New York, N. Y. Measuring scoops. 506,725, Feb. 15; Serial No. 544,676, published Oct. 26, 1948. Class 26.

Rock Island Register Co., Rock Island, Ill. Side-wall warm-air registers. 112,557, Sept. 12, 1916. Republished Feb. 15. Class 34.

Rock Island Register Co., Rock Island, Ill. Registers for heating purposes. 170,923, July 24, 1923. Republished Feb. 15. Class 34.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Weighing scales. 506,699, Feb. 15; Serial No. 541,786, published Oct. 19, 1948. Class 26.

Rockwell Manufacturing Company: *See*—
V & O Press Company, Incorporated, The.

Rogers, Lunt & Bowlen Company, Greenfield, Mass. Knives, forks, spoons, etc. 506,732, Feb. 15; Serial No. 545,769, published Oct. 26, 1948. Class 28.

Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Aluminum cleanser, scouring powder, steel wool, etc. 249,821, renewed Nov. 20, 1948. O. G. Feb. 15. Class 4.

Rose-Derry Company, Newton, Mass. Combination mattress with wetproof lining, pillow, and coverlet. 404,631–2, Dec. 7, 1943. Republished Feb. 15. Class 32.

Rose-Derry Company, Newton, Mass. Bumper and draft guards for the sides of cribs. 418,134, Dec. 4, 1945. Republished Feb. 15. Class 32.

Rosefield, J. B., doing business as An-Fo Manufacturing Co., by An-Fo Manufacturing Co., Oakland, Calif. Cleanser in liquid form. 363,881, Jan. 10, 1939. Republished Feb. 15. Class 4.

Rosefield, J. B., doing business as An-Fo Manufacturing Co., by An-Fo Manufacturing Co., Oakland, Calif. Dish-washing preparation. 370,245, Aug. 22, 1939. Republished Feb. 15. Class 4.

Ross, A. H., & Sons Co., Chicago, Ill. Leather. 381,243, Sept. 17, 1940. Republished Feb. 15. Class 1.

Ross-Gould Co., St. Louis, Mo. Comminuted metallic minerals. 442,063, Feb. 15; Serial No. 511,647, published Nov. 9, 1948. Class 1.

Royal Home Products, Inc.: *See*—
American Products Company, The.

Sacks-Barlow Foundries, Inc., Newark, N. J. Toe, heel, and sole plates. 330,500, Dec. 3, 1935. Republished Feb. 15. Class 13.

Sacks-Barlow Foundries, Inc., Newark, N. J. Heel, toe, and sole plates. 333,329, Mar. 17, 1936. Republished Feb. 15. Class 13.

Samson Cordage Works, Boston, Mass. Cords, lines, twines, etc. 255,329, renewed Apr. 23, 1949. O. G. Feb. 15. Class 7.

Schatz, Louis W., doing business as General Plastics Manufacturing Company, Tacoma, Wash. Preservative treating chemicals for fishnets. 506,751, Feb. 15; Serial No. 548,763, published Oct. 19, 1948. Class 6.

Scherl & Roth, Inc.: *See*—
Simson & Frey, Inc.

Schnefel Bros. Corporation, Newark, N. J. Lipsticks and nail enamels. 506,777, Feb. 15; Serial No. 553,909, published Oct. 26, 1948. Class 6.

Schumann, Charles, by F. Schumann, Hunter, N. Y. Medical preparations. 228,284, May 31, 1927. Republished Feb. 15. Class 6.

Schumann, Frances: *See*—
Schumann, Charles.

Schwachter, Robert S., doing business as Schwachters, Cleveland, Ohio. Jewelry. 506,666, Feb. 15; Serial No. 534,198, published Oct. 26, 1948. Class 28.

Schwachters: *See*—
Schwachter, Robert S.

Schwartz, Rudolph L., doing business as Watertecter Company, Buffalo, N. Y. Composition of matter. 506,752, Feb. 15; Serial No. 549,009, published Oct. 19, 1948. Class 6.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. 506,778, Feb. 15; Serial No. 553,910, published Oct. 19, 1948. Class 42.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. 506,779–82, Feb. 15; Serial Nos. 553,912–15, published Oct. 19, 1948. Class 42.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. 506,783, Feb. 15; Serial No. 553,917, published Oct. 19, 1948. Class 42.

Scott, Louise, doing business as Luescot Beauty Products, Newark, N. J. Pressing oil. 506,759, Feb. 15; Serial No. 549,973, published Oct. 26, 1948. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Dairy, hog, and poultry equipment. 417,822, Nov. 20, 1945. Republished Feb. 15. Class 26.

Sears, Roebuck and Co., Chicago, Ill. Milk coolers and milk filter discs. 422,641, Aug. 6, 1946. Republished Feb. 15. Class 31.

Sears, Roebuck and Co., Chicago, Ill. Cough syrup. 506,729, Feb. 15; Serial No. 545,173, published Oct. 26, 1948. Class 6.

Seequit, Incorporated, New York, N. Y. Medicinal tablets. 506,768, Feb. 15; Serial No. 550,835, published Nov. 2, 1948. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Horticultural hormone spray. 506,790, Feb. 15; Serial No. 514,923. Class 6.

Sices & Rieger, Inc.: *See*—
Sices & Rieger, Incorporated.

Sices & Rieger, Incorporated, by Sices & Rieger, Inc., Chicago, Ill. Ladies' cloth coats. 395,061, May 12, 1942. Republished Feb. 15. Class 39.

Simmons, George W., Corporation, New York, N. Y., by Plee-Zing, Inc., Chicago, Ill. Grape juice. 259,617, Aug. 6, 1929. Republished Feb. 15. Class 45.

Simmons, George W., Corporation, New York, N. Y., by Plee-Zing, Inc., Chicago, Ill. Clothespins. 260,493, Aug. 27, 1929. Republished Feb. 15. Class 24.

Simson & Frey, Inc., New York, N. Y., by Scherl & Roth, Inc., Cleveland, Ohio. Musical instrument accessories. 319,818, Dec. 4, 1934. Republished Feb. 15. Class 36.

Sitterley, J. E., by J. E. Sitterley & Sons, Inc., New York, N. Y. Periodical publication. 280,463, Feb. 17, 1931. Republished Feb. 15. Class 38.

Sitterley, J. E., & Sons, Inc.: *See*—
Sitterley, James E.

Sitterley, James E., by J. E. Sitterley & Sons, Inc., New York, N. Y. Periodical publication. 116,824, Oct. 2, 1917. Republished Feb. 15. Class 38.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 506,765, Feb. 15; Serial No. 550,624, published Oct. 26, 1948. Class 6.

Solar Manufacturing Corporation, New York, N. Y. Paper tubular capacitors. 506,612, Feb. 15; Serial No. 510,900, published Oct. 19, 1948. Class 21.

Solar Manufacturing Corporation, North Bergen, N. J. Electrical capacitors. 506,619, Feb. 15; Serial No. 520,359, published Oct. 19, 1948. Class 21.

Sonotone Corporation, Elmsford, N. Y. Mechanoelectric energy transducers. 506,727, Feb. 15; Serial No. 544,521, published Nov. 2, 1948. Class 21.

Sooner Coal Mining Company, Kansas City, Mo. Coal. 402,165, July 6, 1943. Republished Feb. 15. Class 1.

Sopic Corporation, New York, N. Y. Cotton, rayon, and woolen piece goods. 506,784, Feb. 15; Serial No. 554,265, published Oct. 19, 1948. Class 42.

Southern Friction Fabric Company, by Southern Friction Materials Company, Charlotte, N. C. Brake lining. 303,681, June 6, 1933. Republished Feb. 15. Class 35.

Southern Friction Fabric Company, by Southern Friction Materials Company, Charlotte, N. C. Brake lining. 303,922, June 13, 1933. Republished Feb. 15. Class 35.

Southern Friction Materials Company: *See*—
Southern Friction Fabric Company.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 339,654, Oct. 13, 1936. Republished Feb. 15. Class 35.

Triner, Joseph Company, by Joseph Triner Corporation, Chicago, Ill. Liquid preparation for the extermination of flies, and mosquitoes. 178,317, Jan. 8, 1924. Republished Feb. 15. Class 6.

Wellington Sears Company, New York, N. Y. Piece goods of cotton, wool, silk, etc. 506,719, Feb. 15; Serial No. 544,234, published Oct. 19, 1948. Class 42.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Wireless phonographs, radio-phonograph combinations

Wilson, Robert E., doing business under the name Duncan-Wilson, Princeton, N. J. Preparation to alleviate unpleasant after-effects from overindulgence. 506,733, Feb. 15; Serial No. 545,806, published Oct. 19, 1948. Class 6.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 339,654, Oct. 13, 1936. Republished Feb. 15. Class 35.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 342,487, Jan. 19, 1937. Republished Feb. 15. Class 35.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 353,817, Jan. 18, 1938. Republished Feb. 15. Class 35.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 359,488, Aug. 23, 1938. Republished Feb. 15. Class 35.

Southern Friction Materials Company, Charlotte, N. C. Brake lining. 406,176, Jan. 11, 1944. Republished Feb. 15. Class 35.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Basketballs. 506,689, Feb. 15; Serial No. 541,034, published Oct. 5, 1948. Class 22.

Spalding, A. G., & Bros. Inc., Chicopee, Mass. Tennis rackets, baseballs, footballs, etc. 506,690, Feb. 15; Serial No. 541,041, published Oct. 5, 1948. Class 22.

Sperti, Inc., Cincinnati, Ohio. Ointment or medicament. 506,679, Feb. 15; Serial No. 537,541, published Nov. 2, 1948. Class 6.

Sport Products, Inc., Cincinnati, Ohio. Basketballs. 506,646, Feb. 15; Serial No. 530,974, published Oct. 5, 1948. Class 22.

Standard Electric Company, Inc., San Antonio, Tex. Storage batteries. 506,668, Feb. 15; Serial No. 534,829, published Oct. 26, 1948. Class 21.

Star Electric Motor Company, Bloomfield, N. J. Electric motors. 421,184, May 21, 1946. Republished Feb. 15. Class 21.

Stauffer, B. H., doing business as B. H. Stauffer Laboratories, Los Angeles, Calif. Vitamin and mineral compound food supplement. 506,717, Feb. 15; Serial No. 544,001, published Aug. 17, 1948. Class 6.

Stauffer, B. H., Laboratories: *See*—
Stauffer, B. H.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. 506,731, Feb. 15; Serial No. 545,595, published Oct. 5, 1948. Class 6.

Stein Bros. Mfg. Co.: *See*—
Stein Bros. Mfg. Co. Inc.

Stein Bros. Mfg. Co., Chicago, Ill. Zipper envelopes, zipper bags, portfolios, etc. 432,670, Sept. 9, 1947. Republished Feb. 15. Class 3.

Stein Bros. Mfg. Co. Inc., by Stein Bros. Mfg. Co., Chicago, Ill. Portfolios. 379,697, July 23, 1940. Republished Feb. 15. Class 3.

Stein Bros. Mfg. Co. Inc., by Stein Bros. Mfg. Co., Chicago, Ill. Portfolios. 381,585, Oct. 1, 1940. Republished Feb. 15. Class 3.

Steiner Sales Company, by American Linen Supply Co., Chicago, Ill. Paper towels. 356,199, Apr. 19, 1938. Republished Feb. 15. Class 37.

Steiner Sales Company, by American Linen Supply Co., Chicago, Ill. Paper towels. 384,946, Feb. 11, 1941. Republished Feb. 15. Class 37.

Stevens-Wiley Manufacturing Co., Inc., The, Philadelphia, Pa. Washing powder. 435,252, Dec. 16, 1947. Republished Feb. 15. Class 4.

Strasenburgh, R. J., Company, Rochester, N. Y. Medicinal preparation in tablet form. 506,750, Feb. 15; Serial No. 548,698, published Sept. 14, 1948. Class 6.

Sunray Oil Corporation, Tulsa, Okla. Lubricating oils and greases. 306,377, Sept. 19, 1933. Republished Feb. 15. Class 15.

Swartwout, George A., assignor to Pyro Chemical Company, to Laco Products, Inc., Baltimore, Md. Toothpaste and tooth-wash. 71,723, re-renewed Dec. 15, 1948. O. G. Feb. 15. Class 6.

Table Rock Laboratories, Inc., Greenville, S. C. Preparation for the treatment of rheumatism, arthritis, colds, etc. 506,624, Feb. 15; Serial No. 527,427, published Oct. 5, 1948. Class 6.

Texas Pharmacal Company, San Antonio, Tex. Medicinal skin lotion. 506,671, Feb. 15; Serial No. 535,436, published July 20, 1948. Class 6.

Timber Structures, Inc., Portland, Oreg. Prefabricated airplane hangars. 506,795, Feb. 15; Serial No. 535,772. Class 12.

Tippecanoe Novelty Corporation, Lafayette, Ind. Cigarette servers. 435,901, Jan. 13, 1948. Republished Feb. 15. Class 8.

Tom Tucker Beverage Company, Pittsburgh, Pa. Non-alcoholic, maltless, carbonated, and uncarbonated beverages. 329,855, Nov. 12, 1935. Republished Feb. 15. Class 45.

Traux-Traer Coal Company, Chicago, Ill. Coal. 295,146, June 21, 1932. Republished Feb. 15. Class 1.

Treatment Service and Engineering Company: *See*—
Heal, James H.

Trent Tube Manufacturing Co., East Troy, Wis. Metal tubing. 419,388, Feb. 12, 1946. Republished Feb. 15. Class 13.

Trent Tube Manufacturing Co., East Troy, Wis. Metal tubing. 435,444, Dec. 30, 1947. Republished Feb. 15. Class 13.

Triner, Joseph, by Joseph Triner Corporation, Chicago, Ill. Bitter wine. 48,569, Jan. 2, 1906. Republished Feb. 15. Class 47.

Triner, Joseph Company, by Joseph Triner Corporation, Chicago, Ill. Liquid preparation for the extermination of flies, and mosquitoes. 178,317, Jan. 8, 1924. Republished Feb. 15. Class 6.

Triner, Joseph, Corporation: *See*—
Triner, Joseph.
Triner, Joseph, Company.

Tri-State Insulation Company: *See*—
Joy, Archie.

Universal Camera Corporation, by Universal Camera Corporation, New York, N. Y. Photographic film. 306,168, Nov. 21, 1933. Republished Feb. 15. Class 26.

Universal Camera Corporation, by Universal Camera Corporation, New York, N. Y. Photographic camera and films. 308,159, Nov. 21, 1933. Republished Feb. 15. Class 26.

Universal Camera Corporation, New York, N. Y. Cameras. 364,387, Jan. 31, 1939. Republished Feb. 15. Class 26.

Universal Camera Corporation, New York, N. Y. Cameras. 369,618, Aug. 1, 1939. Republished Feb. 15. Class 26.

Universal Camera Corporation, New York, N. Y. Camera lenses. 369,979, Aug. 8, 1939. Republished Feb. 15. Class 26.

Universal Camera Corporation, New York, N. Y. Telephoto lenses, photographic lenses, and cameras. 377,742, May 14, 1940. Republished Feb. 15. Class 26.

Universal Milking Machine Company, The, Waukesha, Wis., by National Cooperatives, Incorporated, Chicago, Ill. Milking machines, including parts and appurtenances thereof. 399,017, Dec. 5, 1942. Republished Feb. 15. Class 23.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 506,749, Feb. 15; Serial No. 548,432, published Sept. 14, 1948. Class 6.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation. 506,772, Feb. 15; Serial No. 551,066, published Oct. 26, 1948. Class 6.

V & O Press Company, Incorporated, The, Hudson, N. Y., by Rockwell Manufacturing Company, Pittsburgh, Pa. Power presses, bench presses, punching presses, etc. 428,895–6, Apr. 8, 1947. Republished Feb. 15. Class 23.

Varnish Products Co., by Dutch Masters Paint & Varnish Company, Brooklyn, N. Y. Ready-mixed paints and varnishes. 233,524, Oct. 4, 1927. Republished Feb. 15. Class 16.

Venture Manufacturing Company, Dubuque, Iowa. Fixtures for germicidal lamps. 506,789, Feb. 15; Serial No. 501,350. Class 21.

Visi-Trol Corporation, Detroit, Mich. Renewable wall charts and graphs. 506,606, Feb. 15; Serial No. 502,358, published Sept. 28, 1948. Class 26.

Volcano Burner Corporation, New York, N. Y. Oil burners. 426,712, Jan. 7, 1947. Republished Feb. 15. Class 34.

Von Kokeritz, R. G. & Co., by Durable Manufacturing Company, New York, N. Y. Asbestos and mica steam-packing. 73,781, May 18, 1909. Republished Feb. 15. Class 35.

Vortex Manufacturing Company, The, to The Vortex Manufacturing Company, Cleveland, Ohio. Liquid bituminous and semiliquid bituminous compounds and semiliquid bituminous compositions, etc. 238,654, renewed Feb. 14, 1948. O. G. Feb. 15. Class 12.

Walker, W. & H., Inc., doing business as Health Laboratories, Pittsburgh, Pa., to Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. 249,263, renewed Nov. 13, 1948. O. G. Feb. 15. Class 6.

Wallerstein Company, Inc., New York, N. Y. Water hardening composition. 506,643, Feb. 15; Serial No. 530,449, published Sept. 28, 1948. Class 6.

Walman Optical Co., The: *See*—
Walman Optical Company, The.

Walman Optical Company, The, doing business as The Walman Optical Co., Minneapolis, Minn. Optical frames and mountings, optical lenses, etc. 506,653, Feb. 15; Serial No. 532,072, published Sept. 28, 1948. Class 26.

Walther, John Fabrics, Inc.: *See*—
Walther, John L.

Walther, John L., by John Walther Fabrics, Inc., New York, N. Y. Woolen, worsted, camels-hair, etc., piece goods. 340,999, Nov. 24, 1936. Republished Feb. 15. Class 42.

Wanamaker, John, New York, New York, N. Y. Perfumes, sachets, toilet waters, etc. 152,280, Feb. 21, 1922. Republished Feb. 15. Class 6.

Wanamaker, John, New York, New York, N. Y. Textile towels. 260,342, Aug. 20, 1929. Republished Feb. 15. Class 42.

Wanamaker, John, New York, New York, N. Y. Pottery, crockery, earthenware, etc. 263,526, Nov. 5, 1929. Republished Feb. 15. Class 30.

Wanamaker, John, New York, New York, N. Y. Growing plants and cut flowers. 281,566, Mar. 24, 1931. Republished Feb. 15. Class 1.

Wander Company, The, Chicago, Ill. Antacid preparation. 506,792, Feb. 15; Serial No. 517,025. Class 6.

Warner, William R., & Co., Inc., New York, N. Y. Anti-Histaminic preparations. 506,769, Feb. 15; Serial No. 550,881, published Sept. 21, 1948. Class 6.

Washington Canners Cooperative, Vancouver, Wash. Canned fruits. 250,492, renewed Dec. 11, 1948. O. G. Feb. 15. Class 46.

Watertcrter Company: *See*—
Schwarts, Rudolph L.

Wellington Sears Company, New York, N. Y. Piece goods of cotton, wool, silk, etc. 506,719, Feb. 15; Serial No. 544,234, published Oct. 19, 1948. Class 42.

Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric phonographs, radio-phonograph combinations and parts of electric phonographs, etc. 506,647, Feb. 15; Serial No. 530,997, published Oct. 26, 1948. Class 21.

Wheary-Burge Trunk Company, by Wheary Incorporated, Racine, Wis. Trunks. 189,727, Sept. 23, 1924. Republished Feb. 15. Class 3.

Wheary Incorporated: *See*—
Wheary-Burge Trunk Company.
Wheary Trunk Company.

Wheary Trunk Company, by Wheary Incorporated, Racine, Wis. Wardrobe trunks and cases. 224,099, Feb. 15, 1927. Republished Feb. 15. Class 3.

White-Haines Optical Company, The, Columbus, Ohio. Ophthalmic lenses, frames, mountings, etc. 506,678, Feb. 15; Serial No. 537,353, published Oct. 19, 1948. Class 26.

Whitehall Pharmacal Company, New York, N. Y. Antacid preparation. 506,760, Feb. 15; Serial No. 550,107, published Nov. 2, 1948. Class 6.

Wilhelm, Warner F., doing business as Prolong Company, Chicago, Ill. Preparation for topical anaesthetic. 506,648, Feb. 15; Serial No. 531,407, published Sept. 28, 1948. Class 6.

Williams, J. B., Company, The, Glastenbury, Conn., by The Andrew Jergens Company, Cincinnati, Ohio. Hair and beard preparations. 37,452, Dec. 10, 1901. Republished Feb. 15. Class 6.

Wilson, Andrew, Inc., Springfield, N. J. Preparation for killing slugs, snails, and other pests. 506,676, Feb. 15; Serial No. 537,263, published Oct. 19, 1948. Class 6.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. 506,677, Feb. 15; Serial No. 537,266, published Oct. 19, 1948. Class 6.

Wilson, C. E., Nurseries, Jacksonville, Tex., and Manchester, Conn. Nursery stock. 506,680, Feb. 15; Serial No. 537,859, published Nov. 9, 1948. Class 1.

Wilson, Robert E., doing business under the name Duncan-Wilson, Princeton, N. J. Preparation to alleviate unpleasant after-effects from overindulgence. 506,733, Feb. 15; Serial No. 545,806, published Oct. 19, 1948. Class 6.

Wilson Trailer Co. Inc., Newport, Calif. Trailer dollies. 506,793, Feb. 15; Serial No. 517,279. Class 19.

Wine Growers Guild, Lodi, Calif. Wine. 410,850, Dec. 19, 1944. Republished Feb. 15. Class 47.

Wise, Otto, Los Angeles, Calif. Rayon fabrics in the piece. 506,720, Feb. 15; Serial No. 544,238, published Oct. 19, 1948. Class 42.

Wise, Otto, Los Angeles, Calif. Rayon fabrics in the piece. 506,721, Feb. 15; Serial No. 544,240, published Oct. 19, 1948. Class 42.

Withers, C. H.: *See*—
Bastanchury Ranch Company.

Woodbury, John H., Inc., Cincinnati, Ohio. Talcum powder, dental cream, lipstick, etc. 506,756, Feb. 15; Serial No. 549,203, published Oct. 26, 1948. Class 6.

Woolworth, F. W., Co., Watertown and New York, N. Y. Cold cream soap. 360,644, Sept. 20, 1938. Republished Feb. 15. Class 4.

Woolworth, F. W., Co., Watertown and New York, N. Y. Bias seam tape, and lingerie tape and braid. 404,509, Nov. 30, 1943. Republished Feb. 15. Class 40.

World's Products Company: *See*—
Laymon, Herman B.

Wrisley, Allen B., Company, Chicago, Ill. Shaving soap. 506,794, Feb. 15; Serial No. 531,279. Class 4.

Wyandotte Chemicals Corporation: *See*—
Ford, J. B., Company, The.
Michigan Alkali Company.

Zbrojovka Brno, Narodni Podnik: *See*—
Ceskoslovenska Zbrojovka, akciova spolecnost v Brne.

Zeon, Chicago, Ill. Electric lighting fixtures, electric lamps, gaseous conduction lamps, etc. 506,625, Feb. 15; Serial No. 527,559, published Oct. 19, 1948. Class 21.

Ziplock Company, The, New York, N. Y. Wrist watch bands. 506,703, Feb. 15; Serial No. 542,497, published Oct. 26, 1948. Class 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Carbonaceous fuel, Briquetted solid. Blaw-Knox Company. 506,610, Feb. 15; Serial No. 504,318, published Nov. 9, 1948.

Coal. Marigold Coal Mining Company. 385,031, Feb. 11, 1941. Republished Feb. 15.

Coal. Sooner Coal Mining Company. 402,165, July 6, 1943. Republished Feb. 15.

Coal. Traux-Traer Coal Company. 295,146, June 21, 1932. Republished Feb. 15.

Cork, Composition. Cork Manufacturing Co. Ltd. 338,833, Sept. 15, 1936. Republished Feb. 15.

Fibre, Staple. Courtaulds Limited. 506,697, Feb. 15; Serial No. 541,649, published Nov. 9, 1948.

Hides, Cattle, sheepskins and calf skins. Friend Hide Co. 506,695–6, Feb. 15; Serial Nos. 541,533–4, published Nov. 9, 1948.

Insulating composition materials. American Insulator Corporation. 220,154, renewed Nov. 2, 1946. O. G. Feb. 15.

Isinglass, Unprepared. Cape Ann Isinglass Company. 252,046, renewed Jan. 22, 1949. O. G. Feb. 15.

Leather. A. H. Ross & Sons Co. 381,243, Sept. 17, 1940. Republished Feb. 15.

Leather and tanned skins, "Ideal" Tannerie De Wiltz S. A. 313,865, June 12, 1934. Republished Feb. 15.

Minerals, Comminuted metallic. Ross-Gould Co. 442,083. Feb. 15; Serial No. 511,647, published Nov. 9, 1948.

Nursery stock. C. E. Wilson Nurseries. 506,680, Feb. 15; Serial No. 537,859, published Nov. 9, 1948.

Plants, Growing, and cut flowers. John Wanamaker New York. 281,566, Mar. 24, 1931. Republished Feb. 15.

Seeds, Field. E. F. Burlingham & Sons. 506,649, Feb. 15; Serial No. 531,644, published Nov. 9, 1948.

Seeds, Flower. Mandeville & King Company. 506,672, Feb. 15; Serial No. 535,724, published Nov. 9, 1948.

Wood pulp. The Champion Paper and Fibre Company. 506,623, Feb. 15; Serial No. 527,302, published Nov. 9, 1948.

CLASS 2

Bags, Cotton, burlap, and paper, cartons, bags, paper cups, etc. National Co-Operatives, Inc. 379,552, July 30, 1940. Republished Feb. 15.

Cups, Cast paper pulp. American Lace Paper Company. 284,516, Sept. 1, 1931. Republished Feb. 15.

Cups, Paper baking, paper butter chips, paper candy cups, etc. American Lace Paper Company. 368,242, June 13, 1939. Republished Feb. 15.

Tanks. Black, Sivalls & Bryson, Inc. 383,435, Dec. 10, 1940. Republished Feb. 15.

CLASS 3

Envelops, Zipper, zipper bags, portfolios, etc. Stein Bros. Mfg. Co. 432,670, Sept. 9, 1947. Republished Feb. 15.

Portfolios. Stein Bros. Mfg. Co. Inc. 379,697, July 23, 1940. Republished Feb. 15.

Portfolios. Stein Bros. Mfg. Co. Inc. 381,585, Oct. 1, 1940. Republished Feb. 15.

Trunks. Wheary-Burge Trunk Company. 189,727, Sept. 23, 1924. Republished Feb. 15.

Trunks and cases, Wardrobe. Wheary Trunk Company. 224,099, Feb. 15, 1927. Republished Feb. 15.

CLASS 4

Cleaning compound. Brulin & Company, Inc. 391,938, Dec. 2, 1941. Republished Feb. 15.

Cleanser, Aluminum, scouring powder, steel wool, etc. I. Rokeach & Sons, Inc. 249,821, renewed Nov. 20, 1946. O. G. Feb. 15.

Cleanser in liquid form. J. B. Rosefield. 363,881, Jan. 10, 1939. Republished Feb. 15.

Cleanser, Powdered. Huntington Laboratories, Inc. 435,763, Jan. 6, 1948. Republished Feb. 15.

Cleansing composition, Liquid. Meinecke & Company. 402,007, June 22, 1943. Republished Feb. 15.

Compound for general cleaning of windows, woodwork, rugs, etc. Haas-Miller Corporation. 430,254, June 10, 1947. Republished Feb. 15.

Detergent and wetting agent, Liquid, neutral, non-ionic. Haas-Miller Corporation. 435,525, Dec. 30, 1947. Republished Feb. 15.

Dish-washing preparation. J. B. Rosefield. 370,245, Aug. 22, 1939. Republished Feb. 15.

Emery cloth, emery wheels, sand paper, etc. National Co-Operatives, Inc. 377,731, May 14, 1940. Republished Feb. 15.

Shaving soap. Allen B. Wrisley Company. 506,794, Feb. 15; Serial No. 531,279.

Shoe polish. W. F. Boyer. 405,751, Feb. 22, 1944. Republished Feb. 15.

Soap, Cold cream. F. W. Woolworth Co. 360,644, Sept. 20, 1938. Republished Feb. 15.

Soap, Hand, facial soap, shaving cream, etc. The American Products Company. 250,755, renewed Dec. 18, 1948. O. G. Feb. 15.

Soap product, Powdered. G. H. Packwood Mfg. Co. 253,176, renewed Feb. 19, 1949. O. G. Feb. 15.

Soaps. Adams Lockwood and Company. 72,373, re-renewed Jan. 19, 1949. O. G. Feb. 15.

Washing powder. The Stevens-Wiley Manufacturing Co., Inc. 435,252, Dec. 16, 1947. Republished Feb. 15.

CLASS 5

Adhesive tape, Pressure sensitive. The Kendall Company. 435,666, Jan. 6, 1948. Republished Feb. 15.

Glue. McCormick & Company. 45,231, Aug. 8, 1905. Republished Feb. 15.

CLASS 6

Acid, Folic. F. J. Cox. 506,715, Feb. 15; Serial No.

Liquid composition for treating seed corn, beans, peas, etc. The Cedar Hill Formulae Co. 506,693, Feb. 15;

Preservative treating chemicals for fishnets. L. W. Schatz. 506,751, Feb. 15; Serial No. 548,763, published Oct. 19, 1948.

Rifles, machine guns and pistols, etc. Ceskoslovenska Zbrojovka, akciova spolecnost v. Brne. 245,178, renewed Aug. 7, 1948. O. G. Feb. 15.

CLASS 6

Acid, Folic. R. L. Guy. 506,716, Feb. 15; Serial No. 543,708, published Nov. 9, 1948.
Ammonia. National Ammonia Company, Inc. 250,515, renewed Dec. 11, 1948. O. G. Feb. 15.
Antacid preparation. The Wander Company. 506,792, Feb. 15; Serial No. 517,025.
Antacid preparation. Whitehall Pharmacal Company. 506,760, Feb. 15; Serial No. 550,107, published Nov. 2, 1948.
Anti-Histaminic preparations. William R. Warner & Co., Inc. 506,769, Feb. 15; Serial No. 550,881, published Sept. 21, 1948.
Bicarbonate of soda (baking soda). Church & Dwight Co. Inc. 506,745, Feb. 15; Serial No. 547,895, published Oct. 19, 1948.
Camphor, camphorated oil, glycerine, etc. Baker Extract Company. 506,639, Feb. 15; Serial No. 530,054, published Oct. 5, 1948.
Carbon tetrachloride. Parke, Davis & Company. 254,506, renewed Mar. 26, 1949. O. G. Feb. 15.
Chemical preparation used in the treatment of the hair and scalp. F. J. Robinson. 506,661, Feb. 15; Serial No. 535,040, published Nov. 2, 1948.
Chemicals, Textile treatment. J. G. Nathanson. 506,630, Feb. 15; Serial No. 528,502, published Nov. 9, 1948.
Chloride, Calcium. Michigan Alkali Company. 250,303, renewed Dec. 4, 1948. O. G. Feb. 15.
Clarifier, Solvent. The J. B. Ford Company. 251,060, renewed Dec. 25, 1948. O. G. Feb. 15.
Cleansing oil, Body. L. W. Horn. 506,702, Feb. 15; Serial No. 542,471, published Oct. 5, 1948.
Composition of matter. R. L. Schwartz. 506,752, Feb. 15; Serial No. 549,009, published Oct. 19, 1948.
Cough syrup. Sears, Roebuck and Co. 506,729, Feb. 15; Serial No. 545,173, published Oct. 26, 1948.
Cream for the face, hands, skin, etc. A. S. Hinds. 201,586, Aug. 4, 1925. Republished Feb. 15.
Creams, Toilet, hair oil, and deodorant. H. McHenry. 506,675, Feb. 15; Serial No. 537,059, published Oct. 19, 1948.
Dentifrice and mouth freshener, Tablet. Koch Laboratories, Inc. 506,791, Feb. 15; Serial No. 516,987.
Dentifrices. J. J. Harris. 506,636, Feb. 15; Serial No. 528,718, published Sept. 28, 1948.
Deodorant, Body, body dusting powder, talcum powder, etc. J. E. McBrady & Co. 506,773, Feb. 15; Serial No. 551,124, published Oct. 26, 1948.
Dyes. E. I. du Pont de Nemours and Company. 506,775, Feb. 15; Serial No. 553,578, published Oct. 26, 1948.
Embalming fluid. H. F. Remmers. 506,706, Feb. 15; Serial No. 542,655, published Sept. 28, 1948.
Endocrine stimulant. G. W. Carnrick Co. 255,711, renewed Apr. 30, 1949. O. G. Feb. 15.
Face powder, lipstick, toilet water, etc. The Lander Co., Inc. 506,615, Feb. 15; Serial No. 518,468, published Oct. 5, 1948.
Face powder, perfume, eau de cologne, etc. Chanel, Inc. 195,359, Feb. 24, 1925. Republished Feb. 15.
Flax seed, mixed with other chemicals, Ground. J. H. Heal. 442,082, Feb. 15; Serial No. 509,286, published Nov. 9, 1948.
Fluid, Brake. Puritan Company, Incorporated. 506,660, Feb. 15; Serial No. 533,613, published Oct. 26, 1948.
Fluid, Hydraulic brake. J. Goldner. 506,616, Feb. 15; Serial No. 519,816, published Oct. 19, 1948.
Flux, Brazing. O. M. Krembs. 254,799, Apr. 2, 1929. Republished Feb. 15.
Food supplement, Vitamin and mineral compound. B. H. Stauffer. 506,717, Feb. 15; Serial No. 544,001, published Aug. 17, 1948.
Hair and beard preparations. The J. B. Williams Company. 37,452, Dec. 10, 1901. Republished Feb. 15.
Hair and scalp preparation. T. V. Rivers. 506,728, Feb. 15; Serial No. 548,038, published Oct. 26, 1948.
Hair dressings. Dusharme Products, Inc. 506,761, Feb. 15; Serial No. 550,130, published Oct. 26, 1948.
Herbicides. J. M. F. Chemical Company. 506,755, Feb. 15; Serial No. 549,151, published Sept. 14, 1948.
Hormone spray, Horticultural. The Sherwin-Williams Company. 506,790, Feb. 15; Serial No. 514,923.
Insecticides. W. R. Powell. 230,121, July 12, 1927. Republished Feb. 15.
Insecticides. Andrew Wilson, Inc. 506,677, Feb. 15; Serial No. 537,266, published Oct. 19, 1948.
Iodophenols in a gelatinous base. Pharmaceuticals, Inc. 506,747, Feb. 15; Serial No. 548,287, published Nov. 2, 1948.
Ion exchange compositions. National Aluminate Corporation. 506,626, Feb. 15; Serial No. 527,935, published Oct. 19, 1948.
Laxative medicines. C. E. Fulford, Limited. 506,665, Feb. 15; Serial No. 534,103, published Oct. 26, 1948.
Liniment. Dox, Inc. 506,650, Feb. 15; Serial No. 533,495, published Oct. 26, 1948.
Liniment. The Great American Tea Company. 506,767, Feb. 15; Serial No. 550,690, published Nov. 2, 1948.
Lipstick and cream rouge. Lillian Cooper Cosmetics, Ltd. 506,758, Feb. 15; Serial No. 549,514, published Nov. 2, 1948.
Lipsticks and nail enamels. Schnefel Bros. Corporation. 506,777, Feb. 15; Serial No. 553,909, published Oct. 26, 1948.
Liquid composition for treating seed corn, beans, peas, etc. The Cedar Hill Formulae Co. 506,693, Feb. 15; Serial No. 541,259, published Oct. 26, 1948.
Liquid compounds or solutions. Novadel-Agene Corporation. 506,652, Feb. 15; Serial No. 532,032, published Oct. 5, 1948.
Liquid preparation for the extermination of flies and mosquitoes. Joseph Triner Company. 178,317, Jan. 8, 1924. Republished Feb. 15.
Liquid preparation for the treatment of coughs, colds, and bronchial affections. Parke, Davis & Company. 254,509, renewed Mar. 26, 1949. O. G. Feb. 15.
Lotion, Medicinal skin. Texas Pharmacal Company. 506,671, Feb. 15; Serial No. 535,436, published July 20, 1948.
Medical preparations. C. Schumann. 228,284, May 31, 1927. Republished Feb. 15.
Medicated cream, Antiseptic. The Great American Tea Company. 506,762, Feb. 15; Serial No. 550,226, published Nov. 2, 1948.
Medicinal preparation. A. H. Kerr. 126,229, Aug. 5, 1919. Republished Feb. 15.
Medicinal preparation. The Upjohn Company. 506,749, Feb. 15; Serial No. 548,432, published Sept. 14, 1948.
Medicinal preparation. The Upjohn Company. 506,772, Feb. 15; Serial No. 551,066, published Oct. 26, 1948.
Medicinal preparation containing antacids. Burroughs Wellcome & Co. (U. S. A.) Inc. 506,637, Feb. 15; Serial No. 529,136, published Oct. 19, 1948.
Medicinal preparation in tablet form. E. J. Strasenburgh Company. 506,750, Feb. 15; Serial No. 548,698, published Sept. 14, 1948.
Medicine. J. Gimánes. 506,770, Feb. 15; Serial No. 550,911, published Nov. 2, 1948.
Medicines. W. & H. Walker, Inc. 249,263, renewed Nov. 13, 1948. O. G. Feb. 15.
Mercurial diuretic. Lakeside Laboratories, Inc. 506,726, Feb. 15; Serial No. 544,742, published Oct. 26, 1948.
Mouth wash. The Fair. 506,673, Feb. 15; Serial No. 536,367, published Oct. 5, 1948.
Mouth wash, Antiseptic astringent. The Great American Tea Company. 506,763, Feb. 15; Serial No. 550,228, published Nov. 2, 1948.
Ointment. The Corona Manufacturing Co. 506,642, Feb. 15; Serial No. 530,295, published Oct. 5, 1948.
Ointment, Cod liver oil, with medicinal gentian. R. J. Moran Co. 506,743, Feb. 15; Serial No. 547,648, published Oct. 26, 1948.
Ointment or medicament. Sperti, Inc. 506,679, Feb. 15; Serial No. 537,541, published Nov. 2, 1948.
Perfume. Chanel, Inc. 210,785, Mar. 23, 1926. Republished Feb. 15.
Perfume. Chanel, Inc. 210,787, Mar. 23, 1926. Republished Feb. 15.
Perfume. Chanel, Inc. 215,477, July 20, 1926. Republished Feb. 15.
Perfume. Chanel, Inc. 215,555, July 20, 1926. Republished Feb. 15.
Perfume. Chanel, Inc. 215,557-9, July 20, 1926. Republished Feb. 15.
Perfume and toilet water. Chanel, Inc. 233,406, Sept. 27, 1927. Republished Feb. 15.
Perfume, toilet water, and perfumed liquid bath preparation. Caron Corporation. 506,744, Feb. 15; Serial No. 547,898, published Nov. 2, 1948.
Perfumes, hair lotions, complexion powder, etc. Lucien Lelong. 233,371, Sept. 27, 1927. Republished Feb. 15.
Perfumes, sachets, toilet waters, etc. John Wanamaker New York. 152,289, Feb. 21, 1922. Republished Feb. 15.
Pharmaceutical preparations. Hygienic Productions Inc. 506,746, Feb. 15; Serial No. 548,258, published Nov. 2, 1948.
Powder for prickly heat, nettle rash, and chafed skin. Plough, Inc. 506,682, Feb. 15; Serial No. 538,172, published Oct. 19, 1948.
Preparation for killing slugs, snails, and other pests. Andrew Wilson Inc. 506,676, Feb. 15; Serial No. 537,263, published Oct. 19, 1948.
Preparation for the treatment and relief of frozen or frost-bitten parts of the human body. M. E. Eck. 506,715, Feb. 15; Serial No. 543,579, published Oct. 5, 1948.
Preparation for the treatment of rheumatism, arthritis, colds, etc. Table Rock Laboratories, Inc. 506,624, Feb. 15; Serial No. 527,427, published Oct. 5, 1948.
Preparation for the treatment of varicose ulcers, minor burns, and external skin irritations. Palmer Laboratories. 506,730, Feb. 15; Serial No. 545,275, published Oct. 5, 1948.
Preparation for topical anaesthetic. W. F. Wilhelm. 506,648, Feb. 15; Serial No. 531,407, published Sept. 28, 1948.
Preparation to alleviate unpleasant after-effects from overindulgence. E. E. Wilson. 506,723, Feb. 15; Serial No. 545,806, published Oct. 19, 1948.
Preparations for the treatment of hair. Raymond Laboratories, Inc. 506,754, Feb. 15; Serial No. 549,086, published Nov. 2, 1948.
Preparations for treating, correcting, and removing growths on the feet. Arrowsmith Manufacturing Company. 186,958, July 22, 1924. Corrected. O. G. Feb. 15.

Preservative treating chemicals for fishnets. L. W. Schatz. 506,751, Feb. 15; Serial No. 548,763, published Oct. 19, 1948.
Pressing oil. L. Scott. 506,759, Feb. 15; Serial No. 549,973, published Oct. 26, 1948.
Pressor principle of the pituitary gland. Parke, Davis & Company. 254,507, renewed Mar. 26, 1949. O. G. Feb. 15.
Product containing the active principals of digitalis freed from inert material. Burroughs Wellcome & Co. (U. S. A.) Inc. 506,638, Feb. 15; Serial No. 529,138, published Oct. 19, 1948.
Propane and butane gas, Bottled. T. Bergman. 506,786, Feb. 15; Serial No. 500,989.
Riboflavin supplement. Publicker Industries Inc. 506,621, Feb. 15; Serial No. 526,592, published Nov. 2, 1948.
Sal soda. The J. B. Ford Company. 253,365, renewed Feb. 26, 1949. O. G. Feb. 15.
Sal soda. The J. B. Ford Company. 253,366, renewed Feb. 26, 1949. O. G. Feb. 15.
Scalp unction. E. Kulp. 506,645, Feb. 15; Serial No. 530,942, published Nov. 9, 1948.
Sedative, vasodilator, cardiotonic, and diuretic. Burroughs Wellcome & Co. (U. S. A.) Inc. 506,611, Feb. 15; Serial No. 500,559, published Oct. 5, 1948.
Silicate of soda. Philadelphia Quarts Company. 506,735-8; Feb. 15; Serial Nos. 547,392-5, published Nov. 2, 1948.
Silicate of soda. Philadelphia Quarts Company. 506,740, Feb. 15; Serial No. 547,397, published Nov. 2, 1948.
Silicate of soda. Philadelphia Quarts Company. 506,741-2, Feb. 15; Serial Nos. 547,398-400, published Nov. 2, 1948.
Silicate of soda. Philadelphia Quarts Company. 506,757, Feb. 15; Serial No. 549,319, published Oct. 26, 1948.
Silicate of soda and silicate of potash. Philadelphia Quarts Company. 506,739, Feb. 15; Serial No. 547,396, published Nov. 2, 1948.
Skin cream, hand cream, cleansing cream, etc. A. Breslauer Export Corp. 506,734, Feb. 15; Serial No. 546,351, published Oct. 26, 1948.
Soda ash, bicarbonate of soda, and caustic soda. Michigan Alkali Company. 32,438, re-renewed Jan. 31, 1949. O. G. Feb. 15.
Solution of sodium citrate, dextrose, and citric acid. Cutter Laboratories. 442,084, Feb. 15; Serial No. 512,291, published Oct. 19, 1948.
Solution which is an estrus stimulating principle derived from the placenta and used as an ovarian and sex stimulant. Harrower Laboratory, Inc. 506,786, Feb. 15; Serial No. 557,277, published Oct. 12, 1948.
Starch, Modified (i. e., oxidised or chlorinated). Anheuser-Busch, Inc. 506,753, Feb. 15; Serial No. 549,042, published Nov. 2, 1948.
Sulfonamide preparation. Smith, Kline & French Laboratories. 506,765, Feb. 15; Serial No. 550,624, published Oct. 26, 1948.
Sulphur. Stauffer Chemical Company. 506,781, Feb. 15; Serial No. 545,595, published Oct. 5, 1948.
Tablets, Aspirin, chocolate coated laxative tablets, headache tablets, etc. H. B. Laymon. 506,654, Feb. 15; Serial No. 532,304, published Oct. 26, 1948.
Tablets, Enteric-coated gland-product. Parke, Davis & Company. 254,001, renewed Mar. 12, 1949. O. G. Feb. 15.
Tablets for the relief of colds. The Grove Laboratories, Inc. 506,771, Feb. 15; Serial No. 550,920, published Oct. 19, 1948.
Tablets, Medicinal. Seeqit, Incorporated. 506,768, Feb. 15; Serial No. 550,835, published Nov. 2, 1948.
Talcum powder, dental cream, lipstick, etc. John H. Woodbury, Inc. 506,756, Feb. 15; Serial No. 549,203, published Oct. 26, 1948.
Toilet preparations. Dorothy Gray. 255,662, renewed Apr. 30, 1949. O. G. Feb. 15.
Toothpaste and tooth-wash. G. A. Swartwout. 71,723, re-renewed Dec. 15, 1948. O. G. Feb. 15.
Tooth powder. The Great American Tea Company. 506,764, Feb. 15; Serial No. 550,229, published Nov. 2, 1948.
Vitamin preparations, analgesics, hypnotics, etc. Parke, Davis & Company. 506,627-9 Feb. 15; Serial Nos. 528,093-5, published Oct. 5, 1948.
Water hardening composition. Wallerstein Company, Inc. 506,643, Feb. 15; Serial No. 530,449, published Sept. 28, 1948.

CLASS 7

Cords, lines, twines, etc. Samson Cordage Works. 255,329, renewed Apr. 23, 1949. O. G. Feb. 15.
Rope, Manila. The Edwin H. Fitler Co. 252,682, renewed Feb. 12, 1949. O. G. Feb. 15.

CLASS 8

Cigarette servers. Tippecanoe Novelty Corporation. 435,901, Jan. 13, 1948. Republished Feb. 15.

CLASS 9

Firecrackers. Balfour Guthrie & Co. 266,163, Jan. 14, 1930. Republished Feb. 15.
Matches, dynamite, fuses, etc. National Co-Operatives, Inc. 396,454, July 21, 1942. Republished Feb. 15.
Rifles, machine guns and pistols, etc. Ceskoslovenska Zbrojovka, akciova spolecnost v. Brne. 245,178, renewed Aug. 7, 1948. O. G. Feb. 15.

CLASS 10

Fertilisers. Chas. W. Priddy & Company, Incorporated. 255,285, renewed Feb. 26, 1949. O. G. Feb. 15.

CLASS 11

Carbon paper. De-Fi Manufacturing Company. 73,511, re-renewed Apr. 27, 1949. O. G. Feb. 15.
Ribbons, Typewriter, and carbon paper. The Carter's Ink Company. 254,586, renewed Mar. 26, 1949. O. G. Feb. 15.

CLASS 12

Airplane hangars, Prefabricated. Timber Structures, Inc. 506,795, Feb. 15; Serial No. 535,772.
Bituminous, Liquid, and semiliquid bituminous compounds and semiliquid bituminous compositions, etc. The Vortex Manufacturing Company. 238,654, renewed Feb. 14, 1948. O. G. Feb. 15.
Blocks, Building. The Celotex Corporation. 402,564, Aug. 8, 1943. Republished Feb. 15.
Brick, Insulating. The Denver Fire Clay Company. 387,653, May 27, 1941. Republished Feb. 15.
Bricks, blocks, and hollow tiles. C. A. Meade. 388,896, July 15, 1941. Republished Feb. 15.
Cement, Refractory high temperature. The Denver Fire Clay Company. 291,462, Feb. 9, 1932. Republished Feb. 15.
Composition to be applied to cement and concrete structures. J. M. Rauhoff. 88,948, Oct. 24, 1911. Republished Feb. 15.
Concrete, Light-weight refractory. The Denver Fire Clay Company. 386,236, Apr. 1, 1941. Republished Feb. 15.
Concrete, Refractory. The Denver Fire Clay Company. 329,690, Nov. 5, 1935. Republished Feb. 15.
Fiber board, Saturated. The Celotex Corporation. 369,564, Aug. 1, 1939. Republished Feb. 15.
Fire-brick material, Refractory. The Denver Fire Clay Company. 265,548, Dec. 31, 1929. Republished Feb. 15.
Gypsum plaster and gypsum board products. The Celotex Corporation. 411,665, Jan. 30, 1945. Republished Feb. 15.
Insulation, Ground paper. A. Joy. 506,798, Feb. 15; Serial No. 547,127.
Lath, Metal. Penn Metal Company. 255,434, renewed Apr. 23, 1949. O. G. Feb. 15.
Lathing, Metal. Penn Metal Company. 255,453-4, renewed Apr. 23, 1949. O. G. Feb. 15.
Lime, Construction. G. & W. H. Corson. 385,860, Mar. 18, 1941. Republished Feb. 15.
Slag aggregate, Expanded. The Celotex Corporation. 400,822, Apr. 6, 1943. Republished Feb. 15.
Wood veneer, Fabric backed. The Flexwood Company. 286,555, Sept. 1, 1931. Republished Feb. 15.

CLASS 13

Caster wheels. Faultless Caster Corporation. 386,026, Mar. 25, 1941. Republished Feb. 15.
Fastenings. Continental Screw Company. 414,317, June 5, 1945. Republished Feb. 15.
Plates, Heel, toe, and sole. Sacks-Barlow Foundries, Inc. 333,329, Mar. 17, 1936. Republished Feb. 15.
Plates, Toe, heel, and sole. Sacks-Barlow Foundries, Inc. 330,500, Dec. 3, 1935. Republished Feb. 15.
Sauce pans, roasters, casseroles, etc., Heavy cast metal. Century Metal Craft Corporation. 329,711, Nov. 5, 1935. Republished Feb. 15.
Screws. Continental Screw Company. 344,380, Mar. 23, 1937. Republished Feb. 15.
Sprinklers, Automatic, automatic sprinkler systems, waterflow alarm valves, etc. Globe Automatic Sprinkler Company. 304,990, July 25, 1933. Republished Feb. 15.
Tubing, Metal. Trent Tube Manufacturing Co. 419,388, Feb. 12, 1946. Republished Feb. 15.
Tubing, Metal. Trent Tube Manufacturing Co. 435,444, Dec. 30, 1947. Republished Feb. 15.
Washers, Spring. Philadelphia Steel and Wire Corporation. 411,571, Jan. 23, 1945. Republished Feb. 15.

CLASS 14

Alloys, Copper base. The Ajax Metal Company. 415,104, July 10, 1945. Republished Feb. 15.
Castings, Malleable-iron. Iowa Malleable Iron Company. 156,690, July 11, 1922. Republished Feb. 15.
Die cast parts. Mid-Western Die Casting Co. 435,552, Dec. 30, 1947. Republished Feb. 15.
Forgings. Atlantic Steel Company. 436,224, Jan. 27, 1948. Republished Feb. 15.
Ingots, and babbitt metal. The Ajax Metal Company. 120,320, Feb. 5, 1918. Republished Feb. 15.
Pieces of nickel. The International Nickel Company. 249,552, renewed Nov. 20, 1948. O. G. Feb. 15.
Spring metal, metal strip, and wire, High carbon. General Steel Warehouse Co., Inc. 371,713, Oct. 3, 1939. Republished Feb. 15.

CLASS 15

Oils and greases, Lubricating. Sunray Oil Corporation. 306,377, Sept. 19, 1933. Republished Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils and greases,

Lamps, Electrical. General Motors Corporation. 506,620, Feb. 15; Serial No. 521,065, published Oct. 19, 1948.
Lamps, Sun. Associated Merchandising Corporation. 506,694, Feb. 15; Serial No. 541,492, published Oct.

Camera and films, Photographic. Universal Camera Corporation. 306,159, Nov. 21, 1933. Republished Feb. 15.
Cameras. Universal Camera Corporation. 364,387, Jan. 31, 1939. Republished Feb. 15.
Cameras. Universal Camera Corporation. 369,618, Aug.

CLASS 27

Watches, clocks, watch-movements, etc. Eisenstadt Manufacturing Company. 112,876, Oct. 3, 1916. Republished Feb. 15.

CLASS 28

Bands, Wrist watch. The Ziploc Company. 506,703, Feb.

CLASS 15

Oils and greases, Lubricating. Sunray Oil Corporation. 306,377, Sept. 19, 1933. Republished Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils and greases, etc. The Pure Oil Company. 252,550, renewed Feb. 12, 1949. O. G. Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils and greases, etc. The Pure Oil Company. 254,907, renewed Apr. 2, 1949. O. G. Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils, etc. The Pure Oil Company. 252,484, renewed Feb. 12, 1949. O. G. Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils, etc. The Pure Oil Company. 252,544–6, renewed Feb. 12, 1949. O. G. Feb. 15.
Oils, Hydrocarbon motor-fuel, lubricating oils, etc. The Pure Oil Company. 252,585, renewed Feb. 12, 1949. O. G. Feb. 15.

CLASS 16

Enamels, Paint, and flat paints. The Gilbert Spruance Company. 251,626, renewed Jan. 8, 1949. O. G. Feb. 15.
Finishes, General industrial. Grand Rapids Varnish Corporation. 373,618, Dec. 12, 1939. Republished Feb. 15
Floor-paint. The A. Bursdal Company. 72,852, re-renewed Mar. 2, 1949. O. G. Feb. 15.
Paint, Non-drying. Inertol Co., Inc. 394,796, Apr. 28, 1942. Republished Feb. 15.
Paint or enamel coating, Waterproofing and protective. Inertol Co., Inc. 387,383–4, May 13, 1943. Republished Feb. 15.
Paint or enamel coating, Waterproofing and protective. Inertol Co., Inc. 402,389, Aug. 3, 1943. Republished Feb. 15.
Paint or enamel coating, Waterproofing and protective. Inertol Co., Inc. 402,715, Aug. 10, 1943. Republished Feb. 15.
Paints and varnishes, Ready-mixed. Varnish Products Co. 233,524, Oct. 4, 1927. Republished Feb. 15.
Paints, varnishes, and paint enamels, Ready mixed. National Co-Operatives, Inc. 358,787, July 26, 1938. Republished Feb. 15.
Polish for furniture, automobiles, and finished surfaces, Cleaning. Grand Rapids Varnish Corporation. 422,772, Aug. 13, 1946. Republished Feb. 15.
Spray oil and polish. C-Z Chemical Company. 417,867, Nov. 20, 1945. Republished Feb. 15.
Stains, Wood. Grand Rapids Varnish Corporation. 329,821, Nov. 12, 1935. Republished Feb. 15.
Stains, Wood, paste fillers, liquid sealers, liquid lacquers, varnishes, etc. Jamestown Finishing Products, Inc. 442,086, Feb. 15; Serial No. 497,796.

CLASS 17

Cigars, cigarettes, smoking tobacco, etc. National Co-Operatives, Inc. 377,941, May 21, 1940. Republished Feb. 15.
Tobacco, Smoking. Christian Peper Tobacco Company. 435,924, Jan. 13, 1948. Republished Feb. 15.

CLASS 19

Dollies, Trailer. Wilson Trailer Co. Inc. 506,793, Feb. 15; Serial No. 517,279.
Mirrors and parts therefor, Rear vision, exhaust pipe gas deflectors, and gas tank caps. Robins-Berke Co. 425,955, Dec. 10, 1946. Republished Feb. 15.
Trucks, Dolly. A. S. Campbell Co., Inc. 402,246, July 13, 1943. Republished Feb. 15.

CLASS 20

Rugs, mats, and floor covering, Felt base. Congoleum-Nairn Inc. 319,427, Nov. 27, 1934. Republished Feb. 15.

CLASS 21

Alarm bell and control instruments and parts thereof, Electric. American Electrical Corporation of Massachusetts. 506,684, Feb. 15; Serial No. 540,017, published Oct. 26, 1948.
Automobile accessories. Inter-State Auto Parts Co., Inc. 249,737, renewed Nov. 20, 1948. O. G. Feb. 15.
Capacitors, Electrical. Solar Manufacturing Corporation. 506,619, Feb. 15; Serial No. 520,359, published Oct. 19, 1948.
Capacitors, Paper tubular. Solar Manufacturing Corporation. 506,612, Feb. 15; Serial No. 510,900, published Oct. 19, 1948.
Circuit breakers, Single pole switch, and double pole junction boxes and safety feeder switches, etc. The Ohio Brass Company. 506,618, Feb. 15; Serial No. 520,053, published Oct. 19, 1948.
Condensers, Electric. Aerovox Corporation. 506,724, Feb. 15; Serial No. 544,645, published Nov. 2, 1948.
Conducting wire, Electrical. Essex Wire Corporation. 428,996, Apr. 15, 1947. Republished Feb. 15.
Fixtures for germicidal lamps. Venture Manufacturing Company. 506,789, Feb. 15; Serial No. 501,350.
Furnaces, Electric. The Ajax Metal Company. 416,392, Sept. 11, 1945. Republished Feb. 15.
Heaters, Radiant electric. The Anderson-Pitt Corporation. 255,452, renewed Apr. 23, 1949. O. G. Feb. 15.
Lamps, Electrical. General Motors Corporation. 506,630, Feb. 15; Serial No. 521,068, published Oct. 19, 1948.
Lamps, Sun. Associated Merchandising Corporation. 506,694, Feb. 15; Serial No. 541,492, published Oct. 26, 1948.
Lighting, Automotive, and safety appliances. Noma Electric Corporation. 506,674, Feb. 15; Serial No. 536,529, published Nov. 2, 1948.
Lighting fixtures, Electric, and luminous signs. Moore-Montroy Electric Co. 506,631, Feb. 15; Serial No. 528,576, published Nov. 2, 1948.
Lighting fixtures, Electric, electric lamps, gaseous conduction lamps, etc. Zeon. 506,625, Feb. 15; Serial No. 527,559, published Oct. 19, 1948.
Motors, Electric. Raytheon Manufacturing Company. 506,701, Feb. 15; Serial No. 541,964, published Aug. 31, 1948.
Motors, Electric. Star Electric Motor Company. 421,184, May 21, 1946. Republished Feb. 15.
Phonographs, radio-phonograph combinations and parts of electric phonographs, etc., Electric. Westinghouse Electric Corporation. 506,647, Feb. 15; Serial No. 530,997, published Oct. 26, 1948.
Radio receiving sets and parts thereof. Oakes & Company. 506,687, Feb. 15; Serial No. 540,561, published Sept. 7, 1948.
Storage batteries. Hobbs Battery Company. 506,698, Feb. 15; Serial No. 541,678, published Oct. 26, 1948.
Storage batteries. Standard Electric Company, Inc. 506,668, Feb. 15; Serial No. 534,829, published Oct. 26, 1948.
Switch plates, Molded industrial plastic electric. Penn-Plastics Corporation. 506,657, Feb. 15; Serial No. 532,752, published Oct. 19, 1948.
Switches, relays, solenoids, etc., Electrical. Essex Wire Corporation. 418,361, Dec. 18, 1945. Republished Feb. 15.
Transducers, Mechanoelectric energy. Sonotone Corporation. 506,727, Feb. 15; Serial No. 544,921, published Nov. 2, 1948.

CLASS 22

Basketballs. A. G. Spalding & Bros. Inc. 506,689, Feb. 15; Serial No. 541,034, published Oct. 5, 1948.
Basketballs. Sport Products, Inc. 506,646, Feb. 15; Serial No. 530,974, published Oct. 5, 1948.
Billiard balls. Albany Billiard Ball Company. 506,685, Feb. 15; Serial No. 540,235, published Oct. 5, 1948.
Exercising apparatus. Fred Medart Manufacturing Company. 73,640, re-renewed May 4, 1949. O. G. Feb. 15.
Fishing lines. B. F. Gladding & Co. Inc. 506,622, Feb. 15; Serial No. 527,062, published Oct. 5, 1948.
Games, Question and answer, card games, table board games, etc. Quiz Kids, Inc. 390,568, Sept. 30, 1941. Republished Feb. 15.
Tennis rackets, baseballs, footballs, etc. A. G. Spalding & Bros. Inc. 506,690, Feb. 15; Serial No. 541,041, published Oct. 5, 1948.
Toy pistols. The Kilgore Manufacturing Company. 336,461, July 7, 1936. Republished Feb. 15.
Toy scooters. American Metalcraft Corporation. 432,128, Aug. 19, 1947. Republished Feb. 15.

CLASS 23

Ageing machines, atomizers, boiling machines, etc. H. W. Butterworth and Sons Company. 435,441, Dec. 30, 1947. Republished Feb. 15.
Milking machines, including parts and appurtenances thereof. The Universal Milking Machine Company. 399,017, Dec. 5, 1942. Republished Feb. 15.
Presses, Power, bench presses, punching presses, etc. The V & O Press Company, Incorporated. 426,895–6, Apr. 8, 1947. Republished Feb. 15, 1949.
Pulverizing and crushing apparatus. The Jeffrey Manufacturing Company. 255,648, renewed Apr. 30, 1949. O. G. Feb. 15.
Razor blades. The May Department Stores Company. 248,506, renewed Oct. 23, 1948. O. G. Feb. 15.
Spinning machines, Electrically driven. H. W. Butterworth and Sons Company. 435,474, Dec. 30, 1947. Republished Feb. 15.

CLASS 24

Clothespins. George W. Simmons Corporation. 260,493, Aug. 27, 1929. Republished Feb. 15.
Sad-irons. The Enterprise Manufacturing Company of Pennsylvania. 60,517, Feb. 12, 1907. Republished Feb. 15.
Washing machines, Electric and gasoline motored, and electric ironers. National Co-Operatives, Inc. 368,016, Mar. 28, 1939. Republished Feb. 15.
Washing machines, Laundry. Eastern Outfitting Co. of Los Angeles Calif. 306,884, Sept. 26, 1933. Republished Feb. 15.

CLASS 26

Analyzers, Motor. Atlas Supply Company. 506,651, Feb. 15; Serial No. 531,757, published Sept. 28, 1948.
Articles of refractory material. Champion Porcelain Company. 251,784, renewed Jan. 15, 1949. O. G. Feb. 15.

Camera and films, Photographic. Universal Camera Corporation. 306,159, Nov. 21, 1933. Republished Feb. 15.
Cameras. Universal Camera Corporation. 364,387, Jan. 31, 1939. Republished Feb. 15.
Cameras. Universal Camera Corporation. 369,618, Aug. 1, 1939. Republished Feb. 15.
Charts and graphs, Renewable wall. Visi-Trol Corporation. 506,606, Feb. 15; Serial No. 502,358, published Sept. 28, 1948.
Control apparatus. Minneapolis-Honeywell Regulator Company. 506,705, Feb. 15; Serial No. 542,622, published Oct. 19, 1948.
Dairy, hog, and poultry equipment. Sears, Roebuck and Co. 417,822, Nov. 20, 1945. Republished Feb. 15.
Film, Photographic. Universal Camera Corporation. 308,158, Nov. 21, 1933. Republished Feb. 15.
Film, Sensitised photographic. The Di-Noc Manufacturing Company. 416,407, Sept. 11, 1945. Republished Feb. 15.
Frames, Eyeglass and spectacle. The Kono Manufacturing Company. 506,704, Feb. 15; Serial No. 542,593, published Oct. 5, 1948.
Frames, Eyeglass and spectacle. The Kono Manufacturing Co. 506,718, Feb. 15; Serial No. 544,169, published Oct. 26, 1948.
Frames, Optical. Marine Optical Mfg. Co. 506,614, Feb. 15; Serial No. 517,501, published Sept. 28, 1948.
Frames, Optical, and mountings, optical lenses, etc. The Walman Optical Company. 506,653, Feb. 15; Serial No. 532,072, published Sept. 28, 1948.
Frames, Spectacle. Newport Optical Manufacturing Co., Inc. 506,613, Feb. 15; Serial No. 517,082, published Sept. 28, 1948.
Furnaces for laboratory uses, Electric. Ajax Electrothermic Corporation. 413,028, Apr. 3, 1945. Republished Feb. 15.
Gages and accessories thereof, Liquid level. Jerguson Gage & Valve Company. 506,748, Feb. 15; Serial No. 546,375, published Oct. 26, 1948.
Lenses and edge finishes, Eyeglass. N. P. Benson Optical Company Inc. 375,872, Mar. 5, 1940. Republished Feb. 15.
Lenses, Camera. Universal Camera Corporation. 369,979, Aug. 8, 1939. Republished Feb. 15.
Lenses, frames, mountings, etc., Ophthalmic. The White-Haines Optical Company. 506,678, Feb. 15; Serial No. 537,383, published Oct. 19, 1948.
Lenses, Objective. Bausch & Lomb Optical Company. 506,723, Feb. 15; Serial No. 544,531, published Oct. 26, 1948.
Lenses, Telephoto, photographic lenses, and cameras. Universal Camera Corporation. 377,742, May 14, 1940. Republished Feb. 15.
Machines used for determining and correcting the static or dynamic balance, or both, of automobile wheels, etc. R. A. Kennedy. 506,650, Feb. 15; Serial No. 531,682, published Sept. 28, 1948.
Measuring-faucets and measuring-pumps. The Enterprise Manufacturing Company of Pennsylvania. 59,604, Jan. 15, 1907. Republished Feb. 15.
Photographic and dark-room apparatus, accessories and specialties. Raygram Corporation. 506,655–6, Feb. 15; Serial Nos. 532,495–6, published Oct. 26, 1948.
Photographic paper, Sensitised. General Aniline & Film Corporation. 506,669, Feb. 15; Serial No. 535,025, published Oct. 19, 1948.
Projectors and parts thereof, Motion picture. Century Projector Corporation. 435,878, Jan. 13, 1948. Republished Feb. 15.
Projectors, Picture, and combined phonographs and projectors. Operadio Manufacturing Co. 506,714, Feb. 15; Serial No. 543,212, published Oct. 26, 1948.
Protractors. E. P. Bugge. 506,722, Feb. 15; Serial No. 544,321, published Oct. 26, 1948.
Recorders, Watch rate. American Time Products, Inc. 378,441, June 11, 1940. Republished Feb. 15.
Recording galvanometers, amplifiers, cameras, etc., Sound picture film. Berndt-Bach, Incorporated. 506,670, Feb. 15; Serial No. 535,123, published Oct. 5, 1948.
Ruler, Adjustable curved. Cook Specialty Company. 506,707, Feb. 15; Serial No. 543,098, published Oct. 26, 1948.
Scales, Weighing. Rock-Ola Manufacturing Corporation. 506,699, Feb. 15; Serial No. 541,786, published Oct. 19, 1948.
Scoops, Measuring. The Robson Corporation. 506,725, Feb. 15; Serial No. 544,676, published Oct. 26, 1948.
Tapes for measuring purposes, Graduated steel. Master Rule Manufacturing Co., Inc. 506,661, Feb. 15; Serial No. 533,761, published Oct. 26, 1948.
Tapes for measuring purposes, Graduated steel. Master Rule Manufacturing Co., Inc. 506,662, Feb. 15; Serial No. 533,763, published Oct. 26, 1948.
Tapes for measuring purposes, Graduated steel. Master Rule Manufacturing Co., Inc. 506,663, Feb. 15; Serial No. 533,764, published Oct. 26, 1948.
Testers, Headlight. Kent-Moore Organization Inc. 374,135, Jan. 2, 1940. Republished Feb. 15.
Thermostatic temperature controls. H. T. Kueers. 506,617, Feb. 15; Serial No. 519,961, published Sept. 28, 1948.

CLASS 27

Watches, clocks, watch-movements, etc. Eisenstadt Manufacturing Company. 112,876, Oct. 3, 1916. Republished Feb. 15.

CLASS 28

Bands, Wrist watch. The Ziploc Company. 506,703, Feb. 15; Serial No. 542,497, published Oct. 26, 1948.
Bowls, dishes, flower holders, etc. The Napier Company. 506,688, Feb. 15; Serial No. 540,854, published Oct. 26, 1948.
Bracelets and wristlets. Eisenstadt Manufacturing Company. 174,889, Oct. 23, 1923. Republished Feb. 15.
Bracelets, Ladies'. M. C. Poole. 506,667, Feb. 15; Serial No. 534,555, published Oct. 26, 1948.
Buckles, Belt, necktie pins, necktie clasps, etc. Ricardo Metal Mfg. Co. 506,692, Feb. 15; Serial No. 541,182, published Oct. 26, 1948.
Flatware, Sterling silver, hollow ware, and table cutlery. Gorham Manufacturing Company. 506,607, Feb. 15; Serial No. 503,081, published Oct. 26, 1948.
Flatware, Sterling silver, hollow ware, and table cutlery. Gorham Manufacturing Company. 506,608, Feb. 15; Serial No. 503,083, published Oct. 26, 1948.
Flatware, Sterling silver, hollow ware, and table cutlery. Gorham Manufacturing Company. 506,609, Feb. 15; Serial No. 503,091, published Oct. 26, 1948.
Hollow ware. W. & S. Blackinton Co., Inc. 506,686, Feb. 15; Serial No. 540,243, published Oct. 26, 1948.
Hollow ware and flat ware, Sterling silver. The Fisher Silversmiths, Inc. 506,664, Feb. 15; Serial No. 534,010, published Oct. 26, 1948.
Jewelry. Dolan & Bullock Co. 506,632–3, Feb. 15; Serial Nos. 528,703–4, published Oct. 26, 1948.
Jewelry. Dolan & Bullock Co. 506,634–5, Feb. 15; Serial Nos. 528,707-8, published Oct. 26, 1948.
Jewelry. Joseff-Hollywood. 506,658, Feb. 15; Serial No. 532,830, published Oct. 26, 1948.
Jewelry, Lawrence Mfg., Inc. 413,315, Apr. 17, 1945. Republished Feb. 15.
Jewelry. Lawrence Mfg., Inc. 431,432, July 22, 1947. Republished Feb. 15.
Jewelry. F. H. Noble & Co. 506,644, Feb. 15; Serial No. 530,553, published Oct. 26, 1948.
Jewelry, R. S. Schwachter. 506,666, Feb. 15; Serial No. 534,198, published Oct. 26, 1948.
Jewelry, Diamond-set. D. C. Percival & Co., Inc. 279,115, Jan. 6, 1931. Republished Feb. 15.
Knives, forks, spoons, etc. Rogers, Lunt & Bowlen Company. 506,732, Feb. 15; Serial No. 545,769, published Oct. 26, 1948.
Necklaces, bracelets, brooches, etc. The Napier Company. 506,691, Feb. 15; Serial No. 541,166, published Oct. 26, 1948.
Pins, jewelry clips, hair ornaments, etc., Ornamental. Coro, Inc. 506,683, Feb. 15; Serial No. 538,726, published Oct. 26, 1948.
Rings, Finger. Biancard & Company, Inc. 251,816, renewed Jan. 15, 1949. O. G. Feb. 15.
Rings, Wedding. Alfred Humbert & Son. 193,226–7, Dec. 23, 1924. Republished Feb. 15.

CLASS 29

Brooms, whisk brooms, scrubbing brushes, etc. National Co-Operatives, Inc. 375,085, Feb. 6, 1940. Republished Feb. 15.
Toothbrushes. Owens Brush Company. 506,640–1, Feb. 15; Serial Nos. 530,246–7, published Oct. 5, 1948.

CLASS 30

Pottery, crockery, earthenware, etc. John Wanamaker New York. 263,526, Nov. 5, 1929. Republished Feb. 15.

CLASS 31

Coolers, Milk, and milk filter discs. Sears, Roebuck and Co. 422,641, Aug. 6, 1946. Republished Feb. 15.
Filters, Sisal pad. Armaly Sponge & Chamois Co. Inc. 408,929, Sept. 5, 1944. Republished Feb. 15.
Refrigerators and ice boxes. Hecht & Company. 120,101, Jan. 8, 1918. Republished Feb. 15.
Refrigerators, Electric. National Co-Operatives, Inc. 361,160, Oct. 11, 1938. Republished Feb. 15.

CLASS 32

Cabinets, Filing, and filing cabinet drawers. Acme Visible Records, Inc. 435,709, Jan. 6, 1948. Republished Feb. 15.
Guards for the sides of cribs, Bumper and draft. Rose-Derry Company. 418,134, Dec. 4, 1945. Republished Feb. 15.
Mattress with wetproof lining, pillow, and coverlet, Combination. Rose-Derry Company. 404,631–2, Dec. 7, 1943. Republished Feb. 15.

CLASS 33

Glass, Sheet. L. J. Houze Convex Glass Company. 174,500, Oct. 16, 1923. Republished Feb. 15.
Glass, Sheet. L. J. Houze Convex Glass Company. 174,652, Oct. 23, 1923. Republished Feb. 15.

CLASS 34

Burners, Oil. Volcano Burner Corporation. 426,712, Jan. 7, 1947. Republished Feb. 15.
Dampers, Hot-air. A. Cohn. 226,620, Apr. 12, 1927. Republished Feb. 15.

Heating and air conditioning, humidifying, and cooling units, etc., Complete. Hall-Neal Furnace Company. 341,630, Dec. 15, 1936. Republished Feb. 15.
Ranges, Gas. Eastern Outfitting Co. of Los Angeles. 287,650, Sept. 29, 1931. Republished Feb. 15.
Ranges, Gas. Eastern Outfitting Co. of Los Angeles, Calif. 305,362, Aug. 15, 1933. Republished Feb. 15.

CLASS 35

Coats, suits, dresses, and fur trimmed coats, Ladies'. Lilli Ann Corp. 434,329, Nov. 18, 1947. Republished Feb. 15.
Coats, vests, and trousers, Boys'. May Department Stores Company. 248,723, renewed Oct. 30, 1948. O. G. Feb. 15.
Hats, visors, and caps, Men's and boys'. The Brearley

CLASS 44

Abdominal supporters. Ward Green Company. 506,797, Feb. 15; Serial No. 544,445.
Apparatus for applying the rays of radio-active material. Canadian Radium & Uranium Corporation. 416,659, Sept. 25, 1945. Republished Feb. 15.

Flour, Wheat, and self-rising flour. H. C. Cole Milling Company. 254,699, renewed Mar. 26, 1949. O. G. Feb. 15.
Flour, White. C. L. De Bord. 426,710, July 7, 1947. Republished Feb. 15.
Fruits and fresh citrus fruits, Fresh deciduous. Nash-De Camp Company. 436,058, Jan. 20, 1948. Republished

Heating and air conditioning, humidifying, and cooling units, etc., Complete. Hall-Neal Furnace Company. 341,630, Dec. 15, 1936. Republished Feb. 15.
Ranges, Gas. Eastern Outfitting Co. of Los Angeles. 287,650, Sept. 29, 1931. Republished Feb. 15.
Ranges, Gas. Eastern Outfitting Co. of Los Angeles, Calif. 305,362, Aug. 15, 1933. Republished Feb. 15.
Registers for heating purposes. Rock Island Register Co. 170,923, July 24, 1923. Republished Feb. 15.
Registers, Side-wall warm-air. Rock Island Register Co. 112,557, Sept. 12, 1916. Republished Feb. 15.
Ventilator, blowers and fans. Hartzell Industries, Inc. 278,022, Dec. 2, 1930. Republished Feb. 15.
Wicking, Asbestos stove. Raybestos-Manhattan, Inc. 506,787, Feb. 15; Serial No. 493,826.

CLASS 35

Asbestos and mica steampacking. E. G. von Kokeritz & Co. 73,781, May 18, 1909. Republished Feb. 15.
Lining, Brake. Southern Friction Fabric Company. 303,681, June 6, 1933. Republished Feb. 15.
Lining, Brake. Southern Friction Fabric Company. 303,922, June 13, 1933. Republished Feb. 15.
Lining, Brake. Southern Friction Materials Company. 339,654, Oct. 13, 1936. Republished Feb. 15.
Lining, Brake. Southern Friction Materials Company. 342,487, Jan. 19, 1937. Republished Feb. 15.
Lining, Brake. Southern Friction Materials Company. 353,817, Jan. 18, 1938. Republished Feb. 15.
Lining, Brake. Southern Friction Materials Company. 359,488, Aug. 23, 1938. Republished Feb. 15.
Lining, Brake. Southern Friction Materials Company. 406,176, Jan. 11, 1944. Republished Feb. 15.
Packings, Fiber and rubber. The Belmont Packing & Rubber Company. 312,661, May 1, 1934. Republished Feb. 15.
Patch, Self-vulcanising. B. K. Carruth. 121,122, Apr. 9, 1918. Republished Feb. 15.
Tires and inner tubes, etc., Automobile, tractor, and bicycle pneumatic. National Co-Operatives, Inc. 386,373, Apr. 8, 1941. Republished Feb. 15.

CLASS 36

Musical instrument accessories. Simson & Frey, Inc. 319,818, Dec. 4, 1934. Republished Feb. 15.
Musical instruments, Brass, reed, and stringed. National Institute of Music & Arts, Inc. 360,635, Sept. 20, 1938. Republished Feb. 15.
Records, Mechanically grooved phonograph. Concert Hall Society, Inc. 435,928, Jan. 13, 1948. Republished Feb. 15.

CLASS 37

Calendars, Desk, facial tissues, price tags, etc. Plee-Zing, Inc. 399,581, Jan. 19, 1943. Republished Feb. 15.
Film, Translucent sheet. Di-Noc Manufacturing Company. 415,915, Aug. 21, 1945. Republished Feb. 15.
Laces, Paper box, paper doilies, paper napkins, etc. American Lace Paper Company. 369,735, Aug. 1, 1939. Republished Feb. 15.
Paper, Shelf. American Lace Paper Company. 363,820, Jan. 20, 1939. Republished Feb. 15.
Paper, Tissue, toilet paper. Plee-Zing, Inc. 366,027, Mar. 28, 1939. Republished Feb. 15.
Paper, Toilet, tissue paper, crêpe paper, etc. Albany Perforated Wrapping Paper Company. 252,105, renewed Jan. 22, 1949. O. G. Feb. 15.
Pencils. Joseph Dixon Crucible Company. 256,211, renewed May 7, 1949. O. G. Feb. 15.
Pencils and rubber erasers. Joseph Dixon Crucible Company. 255,193, renewed Apr. 16, 1949. O. G. Feb. 15.
Tissue, Facial, toilet tissue, paper napkins, etc. Ashland Paper Mills, Inc. 401,849, June 15, 1943. Republished Feb. 15.
Towels, Paper. Steiner Sales Company. 356,199, Apr. 19, 1938. Republished Feb. 15.
Towels, Paper. Steiner Sales Company. 384,946, Feb. 11, 1941. Republished Feb. 15.

CLASS 38

Magazine. Bakers' Helper Co. 254,282, renewed Mar. 19, 1949. O. G. Feb. 15.
Magazine. Christmas Club, A Corporation. 225,139, Mar. 15, 1927. Republished Feb. 15.
Magazine. McBrest & McBreat, Inc. 434,264, Nov. 18, 1947. Republished Feb. 15.
Periodicals. Duplex Envelope Co. Inc. 218,634, Sept. 28, 1926. Republished Feb. 15.
Publication, Periodical. J. E. Sitterley. 118,824, Oct. 2, 1917. Republished Feb. 15.
Publication, Periodical. J. E. Sitterley. 280,463, Feb. 17, 1931. Republished Feb. 15.
Scripts. Louis G. Cowan, Incorporated. 431,950, Aug. 12, 1947. Republished Feb. 15.
Scripts. Quiz Kids, Inc. 389,361, Aug. 5, 1941. Republished Feb. 15.

CLASS 39

Boots and shoes, rubber overshoes, etc., Rubber. Hood Rubber Company. 255,855, renewed Apr. 30, 1949. O. G. Feb. 15.
Clothing, Men's and boys'. May Department Stores Company. 248,669, renewed Oct. 30, 1948. O. G. Feb. 15.
Coats, Ladies' cloth. Sices & Rieger, Incorporated. 395,061, May 12, 1942. Republished Feb. 15.
Coats, suits, dresses, and fur trimmed coats, Ladies'. Lilli Ann Corp. 434,329, Nov. 18, 1947. Republished Feb. 15.
Coats, vests, and trousers, Boys'. May Department Stores Company. 248,723, renewed Oct. 30, 1948. O. G. Feb. 15.
Hats, visors, and caps, Men's and boys'. The Brearley Company. 435,276, Dec. 16, 1947. Republished Feb. 15.
Hosiery. Jolibar Hosiery Co. 386,673, Apr. 22, 1941. Republished Feb. 15.
Hosiery. Thomas Mills, Inc. 252,947, renewed Feb. 19, 1949. O. G. Feb. 15.
Lingerie, Ladies'. Fischer & Co., Inc. 415,326, Aug. 7, 1945. Republished Feb. 15.
Shirts, pajamas, shorts, etc., Men's outer and under. Columbia Trade Mark Co. Inc. 442,065, Feb. 15; Serial No. 525,793, published Oct. 19, 1948.
Sweaters and sweater ensembles, Ladies' and misses'. Ladyarn Sportwear. 409,527, Oct. 10, 1944. Republished Feb. 15.

CLASS 40

Fans made of paper, Hand-operated. Gettier-Montanye, Inc. 341,629, Dec. 15, 1936. Republished Feb. 15.
Laces, Shoe. International Braid Company. 378,451, June 11, 1940. Republished Feb. 15.
Lacings, Shoe, corset lacings, underwear lacings, etc. International Braid Company. 202,773, Sept. 1, 1925. Republished Feb. 15.
Tape, Bias seam, and lingerie tape and braid. F. W. Woolworth Co. 404,509, Nov. 30, 1943. Republished Feb. 15.
Tapes and webbings, etc. International Braid Company. 374,255, Jan. 2, 1940. Republished Feb. 15.

CLASS 42

Calicoes, Printed and dyed, cloth made from carded and combed cotton yarns, etc. Merrimack Manufacturing Company. 63,282, June 11, 1907. Republished Feb. 15.
Cloths and stuffs of wool, worsted, or hair. Lowe, Donald and Company Limited. 506,776, Feb. 15; Serial No. 553,725, published Oct. 19, 1948.
Dress goods, Silk. Lehigh Valley Silk Mills. 61,484, Mar. 26, 1907. Republished Feb. 15.
Fabrics in the piece. Crompton Company. 506,708, Feb. 15; Serial No. 543,110, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,709, Feb. 15; Serial No. 543,125, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,710, Feb. 15; Serial No. 543,131, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,711, Feb. 15; Serial No. 543,135, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,712, Feb. 15; Serial No. 543,138, published Oct. 19, 1948.
Fabrics in the piece. Crompton Company. 506,713, Feb. 15; Serial No. 543,140, published Oct. 19, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 506,778, Feb. 15; Serial No. 553,910, published Oct. 19, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 506,779–82, Feb. 15; Serial Nos. 553,912–15, published Oct. 19, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 506,783, Feb. 15; Serial No. 553,917, published Oct. 19, 1948.
Fabrics in the piece, Rayon. Otto Wise. 506,720, Feb. 15; Serial No. 544,238, published Oct. 19, 1948.
Fabrics in the piece, Rayon. Otto Wise. 506,721, Feb. 15; Serial No. 544,240, published Oct. 19, 1948.
Interlinings, Neckwear tie. Myron B. Levy Co., Inc. 506,700, Feb. 15; Serial No. 541,847, published Oct. 19, 1948.
Piece goods. Celanese Corporation of America. 506,766, Feb. 15; Serial No. 550,666, published Oct. 19, 1948.
Piece goods. Wellington Sears Company. 506,719, Feb. 15; Serial No. 544,234, published Oct. 19, 1948.
Piece goods, Cotton, rayon and woolen. Sopic Corporation. 506,784, Feb. 15; Serial No. 554,265, published Oct. 19, 1948.
Piece goods, Rayon. Lincoln Fabrics Co. 416,116, Aug. 28, 1945. Republished Feb. 15.
Piece goods, Rayon. Lincoln Fabrics Co. 424,724, Oct. 22, 1946. Republished Feb. 15.
Piece goods, Rayon. Mooresville Mills. 506,785, Feb. 15; Serial No. 554,505, published Oct. 19, 1948.
Piece goods, Silk. Gallia Silk Mills. 73,082, Mar. 16, 1909. Republished Feb. 15.
Piece goods, Woolen, worsted, camels-hair, etc. J. L. Walther. 340,999, Nov. 24, 1936. Republished Feb. 15.
Rugs, Textile. Eastern Columbia, Inc. 383,013, Nov. 19, 1940. Republished Feb. 15.
Sheets and pillow cases. Arkwright Merchandising Corporation. 506,774, Feb. 15; Serial No. 551,846, published Oct. 19, 1948.
Sheets, Cotton bed, linen bed sheets, cotton pillow cases, etc. Kaufmann Department Stores, Inc. 229,928, July 12, 1927. Republished Feb. 15.
Textile fabrics in piece. Charles Bernstein & Son. 506,796, Feb. 15; Serial No. 538,089.
Towels. H. W. Baker Linen Co. 129,325, Feb. 17, 1920. Republished Feb. 15.
Towels, Textile. John Wanamaker New York. 260,342, Aug. 20, 1929. Republished Feb. 15.

CLASS 44

Abdominal supporters. Ward Green Company. 506,797, Feb. 15; Serial No. 544,445.
Apparatus for applying the rays of radio-active material. Canadian Radium & Uranium Corporation. 416,659, Sept. 25, 1945. Republished Feb. 15.
Arch trippers, Seamless elastic, elastic hip reducers, shoulder braces, etc, Horn Surgical Company. 306,051, Sept. 5, 1933. Republished Feb. 15.
Electro-therapy machine. W. G. Brown. 424,928, Oct. 29, 1946. Republished Feb. 15.
Sanitary napkins. Plee-Zing, Inc. 392,214, Dec. 16, 1941. Republished Feb. 15.
Toothpicks. The Plee-Zing Corporation. 212,611, May 11, 1926. Republished Feb. 15.
Wadding, Paper. Hoberg Paper & Fibre Company. 229,517, June 28, 1927. Republished Feb. 15.

CLASS 45

Beverages, Nonalcoholic, maltless. National Co-Operatives, Inc. 374,276, Jan. 2, 1940. Republished Feb. 15.
Beverages, Non-alcoholic, maltless, carbonated and uncarbonated. Tom Tucker Beverage Company. 329,855, Nov. 12, 1935. Republished Feb. 15.
Beverages, Non-alcoholic, noncereal, maltless. Nedick's Stores, Inc. 418,265, Dec. 11, 1945. Republished Feb. 15.
Grape juice. George W. Simmons Corporation. 259,617, Aug. 6, 1929. Republished Feb. 15.
Grape juice, nonalcoholic, noncereal, maltless, carbonated beverages, etc. The Church Mfg. Co. 273,603, Aug. 5, 1930. Republished Feb. 15.
Prepared powder containing flavor, fruit acid, and color. Perkins Products Company. 317,955, Oct. 9, 1934. Republished Feb. 15.

CLASS 46

Bread. Entire Wheat Bread Company. 128,684, Jan. 13, 1920. Republished Feb. 15.
Candy, Mint. A. P. Richardson. 45,034, Aug. 1, 1905. Republished Feb. 15.
Canned fish. Aktiebolaget Sveriges Forenade Konservfabriker. 249,486, renewed Nov. 13, 1948. O. G. Feb. 15.
Canned fruits. Washington Canners Cooperative. 250,492, renewed Dec. 11, 1948. O. G. Feb. 15.
Canned salmon. Northwestern Fisheries Company. 67,482, Feb. 4, 1908. Republished Feb. 15.
Cereal in flake form, Breakfast. American Hominy Company. 126,620, Sept. 30, 1919. Republished Feb. 15.
Cornmeal, Prepared. Fisher Flouring Mills Company. 432,575, Sept. 9, 1947. Republished Feb. 15.
Cream mint and other candy, Plaited. A. P. Richardson. 317,225, Oct. 22, 1901. Republished Feb. 15.
Dates. African & Eastern Trading Co., Incorporated. 250,381, renewed Dec. 11, 1948. O. G. Feb. 15.
Eggs, Pure concentrated. Redhurd Corporation. 432,231, Aug. 26, 1947. Republished Feb. 15.
Extracts, Flavoring, fruit syrups and juices. McCormick & Company. 45,168, Aug. 8, 1905. Republished Feb. 15.
Extracts, Flavoring, fruit syrups and juices. McCormick & Company. 45,675, Aug. 22, 1905. Republished Feb. 15.
Flour, Wheat. Ismert-Hincke Milling Company. 60,681–2, Feb. 19, 1907. Republished Feb. 15.
Flour, Wheat, and self-rising flour. H. C. Cole Milling Company. 254,699, renewed Mar. 26, 1949. O. G. Feb. 15.
Flour, White. C. L. De Bord. 426,710, July 7, 1947. Republished Feb. 15.
Fruits and fresh citrus fruits, Fresh deciduous. Nash-De Camp Company. 436,058, Jan. 20, 1948. Republished Feb. 15.
Fruits, Fresh. Central California Berry Growers Association. 166,668, Apr. 10, 1923. Republished Feb. 15.
Fruits, Fresh citrus. Batanchury Ranch Company. 155,611, June 6, 1922. Republished Feb. 15.
Fruits, Fresh citrus. Limoneira Company. 255,511, renewed Apr. 23, 1949. O. G. Feb. 15.
Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 431,262, July 15, 1947. Republished Feb. 15.
Milk, Condensed. Mohawk Condensed Milk Co. 71,894, re-renewed Nov. 24, 1948. O. G. Feb. 15.
Salad dressing, vinegar, canned fruits, etc. The Higgins-Babcock-Hurd Company. 170,847, July 24, 1923. Republished Feb. 15.
Salt. Independent Salt Company. 157,987, Aug. 22, 1922. Republished Feb. 15.
Salt. Independent Salt Company. 160,890, Oct. 31, 1922. Republished Feb. 15.
Salt. International Salt Co. of New York. 153,763, Mar. 28, 1922. Republished Feb. 15.
Spices and mustards, Ground and unground. McCormick & Company. 46,038, Sept. 5, 1905. Republished Feb. 15.
Tea. McCormick & Co. 58,984, Dec. 25, 1906. Republished Feb. 15.
Vegetables, Fresh. Porter & Wentz, Inc. 434,696, Dec. 2, 1947. Republished Feb. 15.

CLASS 47

Wine. Wine Growers Guild. 410,850, Dec. 19, 1944. Republished Feb. 15.
Wine, Bitter. J. Triner. 48,569, Jan. 2, 1906. Republished Feb. 15.

CLASS 48

Ale. General Brewing Corporation. 357,221, May 24, 1938. Republished Feb. 15.
Ale, porter and lager-beer. The James Hanley Brewing Company. 106,434, Oct. 19, 1915. Republished Feb. 15.
Beer. General Brewing Corporation. 316,493, Aug. 28, 1934. Republished Feb. 15.
Beer. General Brewing Corporation. 368,319, June 13, 1939. Republished Feb. 15.
Beer and ale. General Brewing Corporation. 368,318, June 13, 1939. Republished Feb. 15.
Beverages, Malt. General Brewing Corporation. 317,659, Oct. 2, 1934. Republished Feb. 15.

CLASS 49

Whiskey. T. C. Denneby. 305,189, Aug. 8, 1933. Republished Feb. 15.
Whiskey. G. F. Heublein & Bro. 381,732, Oct. 1, 1940. Republished Feb. 15.

CLASS 50

Figures, Art porcelain and stoneware. Aktieselskabet Bing & Grondahls Porcellaensfabrik. 361,039, Oct. 4, 1938. Republished Feb. 15.
Mats for motor vehicles. Cork Manufacturing Company Ltd. 245,548, Aug. 14, 1928. Republished Feb. 15.

LIST OF REISSUE PATENTEES

TO WHOM

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Armour and Company, assignee: *See*—
Ralston, Anderson W., Crews, and Colt.

Colt, Edwin W.: *See*—
Ralston, Anderson W., Crews, and Colt.

Crews, Lowell T.: *See*—
Ralston, Anderson W., Crews, and Colt.

Ralston, Anderson W., Chicago, L. T. Crews, Homewood, and E. W. Colt, Evanston, assignors to Armour and Company, Chicago, Ill. Purifying nitriles. Re. 23,084, Feb. 15.

LIST OF PLANT PATENTEES

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 823, Feb. 15.

Boerner, Eugene S., assignor to Jackson & Perkins Company, Newark, N. Y. Rose plant. 824, Feb. 15.

Jackson & Perkins Company, assignee: *See*—
Boerner, Eugene S.

LIST OF DESIGN PATENTEES

Acme Shear Company, The, assignee: *See*—
Wheeler, Henry C.

Aluminum Cooking Utensil Company, The, assignee: *See*—
Guild, Lurelle, and Towne.

American Floor Surfacing Machine Company, assignee: *See*—
Dolan, Francis D., and Vavrik.

Amplitone, Incorporated, assignee: *See*—
Louchheim, Stuart F.

Atkins, E. C., and Company, assignee: *See*—
Weaver, Frank.

Beckett, Reginald W., Elyria, Ohio. Heating oil burner or similar article. 152,668, Feb. 15.

Bogoff, Henry, assignor to Spear Novelty Co., Chicago, Ill. Brooch or similar article. 152,669, Feb. 15.

Bombi Perfumer, Inc., assignee: *See*—
Newman, Alfred.

Brandenburger, Russell E., Sr., Shelbyville, assignor to Packard Manufacturing Corporation, Indianapolis, Ind. Phonograph cabinet. 152,670, Feb. 15.

Briggs, Eugene C., Dayton, Ohio, assignor, by mesne assignments, to Emarco Corporation, Chicago, Ill. Portable signal light or similar article. 152,671, Feb. 15.

Chernow, Michael, New York, N. Y. Jewelry pendant or similar article. 152,672, Feb. 15.

Clark, Charles H., Mill Valley, assignor, by decree of court and assignments, of one-half to J. D. Clark and one-half to P. F. Schumacher, San Francisco, Calif. Cruise board. 152,673, Feb. 15.

Clark, Julia D., assignee: *See*—
Clark, Charles H.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Costa, William, San Diego, Calif. Marine vessel. 152,674, Feb. 15.

Cravaritis, Andrew, Roslyn, N. Y. Cocktail shaker. 152,675, Feb. 15.

De Marsa, Valeria, Los Angeles, assignor to Triangle Studios, El Monte, Calif. Cooky jar or similar article. 152,676, Feb. 15.

De Vault, Ralph P., Arcadia, Calif. Vegetable cutter. 152,677, Feb. 15.

Doggett, David L.: *See*—
Schier, Wallace, and Doggett.

Dolan, Francis D., Toledo, and L. Vavrik, Rossford, assignors to The American Floor Surfacing Machine Company, Toledo, Ohio. Rotary power handsaw. 152,678, Feb. 15.

Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 152,679, Feb. 15.

Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Brooch or similar article. 152,680, Feb. 15.

Duvalet, Maurice, Congers, assignor to Van Cleef & Arpels, Inc., New York, N. Y. Ear clip or similar article. 152,681, Feb. 15.

Edwards, Harve D., Los Angeles, assignor to Rheem Manufacturing Company, Richmond, Calif. Gas console heater cabinet or similar article. 152,682, Feb. 15.

Emarco Corporation, assignee: *See*—
Briggs, Eugene C.

Erickson, C. E., Company, Inc., assignee: *See*—
Erickson, Ernest R.

Erickson, Ernest R., assignor to C. E. Erickson Company, Inc., Des Moines, Iowa. Bottom member for milk bottle carrying cases and the like. 152,683, Feb. 15.

Federal Telephone and Radio Corporation, assignee: *See*—
Schier, Wallace, and Doggett.

Felts, Joseph, Jersey City, N. J. Emergency automobile light. 152,684, Feb. 15.

Foster Grant Co., Inc., assignee: *See*—
Richards, Harry C.

Fulton Company, The, assignee: *See*—
Rieman, Howard C.

Gamsu, Sidney N.: *See*—
McCauley, Ernest G., and Gamsu.

Graham, Elizabeth N., New York, N. Y. Bottle or similar article. 152,685, Feb. 15.

Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Table. 152,686, Feb. 15.

Guild, Lurelle, New York, N. Y., and C. G. Towne, Pittsburgh, assignors to The Aluminum Cooking Utensil Company, New Kensington, Pa. Table. 152,687, Feb. 15.

Hagerstown Leather Co., The, assignee: *See*—
Thomas, Harry I.

Hammond, Harry S., Garden City, N. Y. Clothes hanger. 152,688, Feb. 15.

Henn, Robert P., Cleveland, Ohio. Album holder. 152,689, Feb. 15.

Hohwieler, William U., Morrisville, Pa. Dummy for testing parachutes. 152,690, Feb. 15.

Humpal, Willard J., and B. G. Reimers, Boulder, Colo. Solderer housing. 152,691, Feb. 15.

Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Medal or similar article. 152,692, Feb. 15.

Jones, Thomas H., Washington, D. C., assignor to the United States of America as represented by the Secretary of War. Medallion or similar article. 152,693, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,694, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,695, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,696, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,697, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Pin clip or similar article. 152,698, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Earring or similar article. 152,699, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 152,700, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Finding for jewelry. 152,701, Feb. 15.

Kellogg, George W., Denver, Colo. Decorative artificial

Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,735, Feb. 15.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Finding for jewelry. 152,701, Feb. 15.
Kellogg, George W., Denver, Colo. Decorative artificial candle. 152,702, Feb. 15.
King, Joseph A., Whitman, Mass. Building. 152,703, Feb. 15.
Kline, Leopold D., Kew Gardens, N. Y. Bracelet. 152,704, Feb. 15.
Lasting Shoe Co. Inc., assignee: *See*—
Teitelbaum, David.
Leahy, Arthur P., Queens Village, N. Y. Airplane propeller blade. 152,705, Feb. 15.
Leja, Casimir E., Chicago, Ill. Internal-combustion engine or similar article. 152,706, Feb. 15.
Leitsch, Raymond O., Waterloo, Iowa. Ink container. 152,707, Feb. 15.
Lewnaich, Daniel S., assignor to Pour-O-Matic Corporation, Chicago, Ill. Cuticle tool. 152,708, Feb. 15.
Lim, Peter, Los Angeles, Calif. Toy pistol. 152,709, Feb. 15.
Louchheim, Stuart F., Beth Ayres, assignor to Amplitone, Incorporated, Philadelphia, Pa. Portable upright phonograph or the like. 152,710, Feb. 15.
Lund, Martha M., Chicago, Ill. Book-holding lamp. 152,711, Feb. 15.
Mackey, Jay A., Bridgeport, Conn. Fishing lure. 152,715, Feb. 15.
McBride, William B.: *See*—
Selikoff, William, and McBride.
McCauley Corporation, assignee: *See*—
McCauley, Ernest G., and Gamus.
Macauley, Edward, Grosse Pointe Farms, assignor to Packard Motor Car Company, Detroit, Mich. Combined motor vehicle grille and bumper. 152,714, Feb. 15.
McCauley, Ernest G., and S. M. Gamus, assignors to McCauley Corporation, Dayton, Ohio. Aircraft propeller. 152,712, Feb. 15.
McCollum, Jesse L., Kaufman, Tex. Fish lure. 152,713, Feb. 15.
Mead, Lannon F., assignor to The Regina Corporation, Rahway, N. J. Can opener. 152,716, Feb. 15.
Mergott, J. E., Co., The, assignee: *See*—
Sporman, Robert T.
Meteor Manufacturing Corp., assignee: *See*—
Selikoff, William, and McBride.
Metzler, Charles L., Palisades Park, N. J., assignor to Stratford Pen Corporation, New York, N. Y. Writing instrument. 152,717, Feb. 15.
Meyer, Alvin B., New York, N. Y. Fire extinguisher. 152,718, Feb. 15.
Miller, Arthur W., Irvington, N. J. Flashlight. 152,719, Feb. 15.
Mont, James, New York, N. Y. Sofa. 152,720, Feb. 15.
Morris, Nathan K., Asbury Park, N. J. Vegetable slicer. 152,721, Feb. 15.
Morrison, Samuel O., Pine Ridge, Pa. Water cooler. 152,722, Feb. 15.
Newman, Alfred, assignor to Bombi Perfumer, Inc., New York, N. Y. Perfume bottle. 152,723, Feb. 15.
Packard Manufacturing Corporation, assignee: *See*—
Brandenburger, Russell E., Jr.
Packard Motor Car Company, assignee: *See*—
Macauley, Edward.
Pavlinetz, George, Carteret, N. J. Container cap or similar article. 152,724, Feb. 15.
Payne, Sumas, Chicago, Ill. Beauty compact. 152,725, Feb. 15.
Pennell, David R., Lakewood, Ohio. Combined porch light and illuminable house numeral indicator. 152,726, Feb. 15.
Peterson, John X., Minneapolis, Minn. Sportsman's combination knife and utility tool. 152,727, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,728, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y., Bracelet or similar article. 152,729, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,730, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,731, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,732, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Bracelet or similar article. 152,733, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,734, Feb. 15.
Philippe, Alfred, Scarsdale, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Necklace or similar article. 152,735, Feb. 15.
Pour-O-Matic Corporation, assignee: *See*—
Levnsich, Daniel S.
Price, Carl, Newark, N. J. Boat or similar article. 152,736, Feb. 15.
Regina Corporation, The, assignee: *See*—
Mead, Lannon F.
Reimers, Benhard G.: *See*—
Humpel, Willard J., and Reimers.
Rheem Manufacturing Company, assignee: *See*—
Edwards, Harve D.
Richards, Harry C., Morristown, N. J., assignor, by mesne assignments, to Foster Grant Co., Inc., Leominster, Mass. Sun goggle or the like. 152,737, Feb. 15.
Riemann, Howard C., West Allis, assignor to The Fulton Company, Milwaukee, Wis. Vehicle windshield visor. 152,738, Feb. 15.
Rode, Dale A., Arkansaw, Wis. Condiment shaker. 152,739, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,740, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,741, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,742, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,743, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,744, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,745, Feb. 15.
Rosenthal, Emanuel M., Detroit, Mich. Jug. 152,746, Feb. 15.
Rossi, Paul, Warren, Ohio. Combination pen rack and desk unit. 152,747, Feb. 15.
Schier, Wallace, Forest Hills, and D. L. Doggett, Mount Kisco, assignors to Federal Telephone and Radio Corporation, New York, N. Y. Radio and table cabinet combination. 152,748, Feb. 15.
Schumacher, Paul F., assignee: *See*—
Clark, Charles H.
Selikoff, William, and W. B. McBride, assignors to Meteor Manufacturing Corp., Buffalo, N. Y. Cheese slicer or the like. 152,749, Feb. 15.
Shapiro, Harry, Augusta, Ga. Undershoe. 152,750, Feb. 15.
Spear Novelt[illegible] assignee: *See*—
Bogoff.
Sporman, R[illegible]., Essex County, assignor to The J. E. Mergott C[illegible]ewark, N. J. Match book case. 152,751, Feb. 15.
Steinbach, Harry, New York, N. Y. Necklace or like article. 152,752, Feb. 15.
Stone, Joe A., assignor of one-half to M. A. Stone, Chicago, Ill. Metal anode. 152,753, Feb. 15.
Stone, Millard A., assignee: *See*—
Stone, Joe A. and M. A.
Stratford Pen Corporation, assignee: *See*—
Metzler, Charles L.
Swallow, Kingston F., Milwaukee, Wis. Pliers. 152,754, Feb. 15.
Teitelbaum, David, New York, assignor to Lasting Shoe Co. Inc., Brooklyn, N. Y. Shoe. 152,755, Feb. 15.
Thomas, Harry I., assignor to The Hagerstown Leather Co., Hagerstown, Md. Billford or similar article. 152,756, Feb. 15.
Toomey, Edith G., assignee: *See*—
Toomey, Francis J.
Toomey, Francis J., assignor to E. G. Toomey, Huntsville, Ohio. Taxicab cruising light. 152,757, Feb. 15.
Towne, Carlton G.: *See*—
Guild, Lurelle, and Towne.
Triangle Studios, assignee: *See*—
De Marsa, Valeria.
Trifari, Krussman & Fishel, Inc., assignee: *See*—
Philippe, Alfred.
Ullman, Herbert G., Rochester, N. Y. Electric fan. 152,758, Feb. 15.
Vavrik, Louis: *See*—
Dolan, Francis D., and Vavrik.
Van Cleef & Arpels, Inc., assignee: *See*—
Duvalet, Maurice.
War, the United States of America as represented by the Secretary of, assignee: *See*—
Jones, Thomas H.
Warren, William H., San Francis, Calif. Urn unit for cremated remains. 152,759, Feb. 15.
Weaver, Frank, assignor to E. C. Atkins and Company, Indianapolis, Ind. Saw handle. 152,760, Feb. 15.
Wheeler, Henry C., Fairfield, assignor to The Acme Shear Company, Bridgeport, Conn. Shears. 152,761, Feb. 15.
Williams, Albert C., New York, N. Y. Handbag. 152,762, Feb. 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Steel Company, assignee: *See*—
Spiller, William E., and Barley.
Adamczyk, Alojzy, New York, N. Y. Motor propelled toy vehicle. 2,461,672, Feb. 15.
Adams, Harold E., assignor to Nash Engineering Company, South Norwalk, Conn. Pump. 2,461,865, Feb. 15.
Adams, Harold S.: *See*—
Worth, Arthur A., and Adams.
Adsorptive Process Company, assignee: *See*—
Smith, Arthur D.
Aerojet Engineering Corporation, assignee: *See*—
Zwicky, Fritz.
Aeroquip Corporation, assignee: *See*—
Zeeb, Stanley H.
Aerotec Corporation, The, assignee: *See*—
Burdock, Joseph L., Best, and McBride.
Agriculture, the United States of America as represented by the Secretary of, assignee: *See*—
Lathrop, Elbert C., and Aronovsky.
Air Reduction Company, Incorporated, assignee: *See*—
Anderson, Nelson E.
Ajax, Eric J.: *See*—
McLelland, William H., and Ajax.
Aktiebolaget Superior, assignee: *See*—
Hedman, Evert B.
Alikas, Nicholas, Plainville, Conn. Footrest. 2,461,622, Feb. 15.
Alldredge, Marshall H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,461,866, Feb. 15.
Allen, Robert R., assignor to Custom Scientific Instruments, Inc., Arlington, N. J. Microtome blade holder. 2,461,821, Feb. 15.
Allin, Frederick R., Euclid, and F. D. Wyss, Cleveland Heights, assignors to The Weatherhead Company, Cleveland, Ohio. Trailer hand control for power brakes. 2,461,712, Feb. 15.
Alpak, assignee: *See*—
Crane, Walton B. and W. B., Jr.
American Can Company, assignee: *See*—
Martin, William M., Pilinik, and Wobbe.
American Cyanamid Company, assignee: *See*—
Booth, Robert B., and Herkenhoff.
Herrick, Guy S.
Thurston, Jack T.
American Hardware Corporation, The, assignee:
Grigaitunas, Joseph G.
American Optical Company, assignee: *See*—
Finegan, John C.
Schanweker, George H.
American Safety Razor Corporation, assignee: *See*—
Nelson, Edgar A.
American Viscose Corporation, assignee: *See*—
Bouvet, Rene.
De Brabander, Camiel.
Decker, Ferdinand A., Jr.
Hollihan, John P., Jr.
Stanley, Richard W.
American Woolen Company, assignee: *See*—
Worth, Arthur A., and Adams.
Andersen, Axel B., Larchmont, and K. Horn, assignors to F. L. Smidth & Co., New York, N. Y. Air separation method for slurry separation. 2,461,584, Feb. 15.
Anderson, Nelson E., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated. Tracer with power-driven steerable traction wheel. 2,461,585, Feb. 15.
Anderson, Nelson R., Scotch Plains, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Automatic arc startar. 2,461,798, Feb. 15.
Anschicks, Rudolph J., C. Widell, and J. R. Mantsh, assignors to Prismacolor, Inc., Chicago, Ill. Multiple lens light control for projectors. 2,461,673, Feb. 15.
Apex Electrical Manufacturing Co., The, assignee: *See*—
Harris, Thomas, and Swilk.
Argus, Incorporated, assignee: *See*—
McLelland, William H., and Ajax.
Armerding, George D., Oak Park, Ill., assignor to Mojonnier Bros. Co. Visual observation and silhouette projection apparatus. 2,461,623, Feb. 15.
Armstrong, Walter, Washington, D. C. Detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,799, Feb. 15.
Armstrong, Walter, Washington, D. C. Apparatus for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,800, Feb. 15.
Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,801, Feb. 15.
Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,802, Feb. 15.
Armstrong, Walter, Washington, D. C. Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. 2,461,803, Feb. 15.
Aronovsky, Samuel I.: *See*—
Lathrop, Elbert C., and Aronovsky.
Aronson, William, New York, N. Y. Centrifuge apparatus for obtaining blood plasma. 2,461,674, Feb. 15.
Art metal Construction Company, assignee: *See*—
Jones, James R.
Athey Products Corporation, assignee: *See*—
Nadherny, Russell J.
Atwood, Wilfrid L., Newton Lower Falls, Mass., assignor to The Girdler Corporation, Louisville, Ky. Variable inductance device. 2,461,804, Feb. 15.
Automatic Electric Laboratories, Inc., assignee: *See*—
McCreary, Harold J.
Autophon Aktiengesellschaft, assignee: *See*—
Tschumi, Otto.
Avco Manufacturing Corporation, assignee: *See*—
Bass, Harland A.
Avila, Frank W., Columbia City, Ind., assignor to International Harvester Company. Vehicle axle suspension. 2,461,867, Feb. 15.
Ayers, Fred L., Watertown, Mass., assignor of twenty-two one-hundredths to C. G. Keferstein, New York, N. Y. Innersole and making the same. 2,461,713, Feb. 15.
Backlin, Clarence R.: *See*—
Wonnacott, Norman, and Backlin.
Baecher, Bernard J., Brooklyn, N. Y. Electronic relay transmitter and receiver self-synchronous system. 2,461,511, Feb. 15.
Baird, Roland W., Dallas, Tex. Dough molding machine attachment. 2,461,868, Feb. 15.
Bakewell, William E., assignor to Viking Pump Company, Cedar Falls, Iowa. Sanitary pump. 2,461,624, Feb. 15.
Balton, James, Baltimore, Md. Stapling machine. 2,461,869, Feb. 15.
Bargmeyer, Ernest G., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Compounding copolymers of butadiene and styrene. 2,461,953, Feb. 15.
Bargmeyer, Ernest G., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Manufacture of butadiene-styrene copolymer cements. 2,461,954, Feb. 15.
Barker, Parrish, Temple City, Calif. Airplane wing arrangement. 2,461,805, Feb. 15.
Barley, Leo D.: *See*—
Spiller, William R., and Barley.
Barnes, Evander B., Cody, Wyo. Flow barrel. 2,461,512, Feb. 15.
Barnes, Stuart C., Detroit, Mich. No-draft ventilating window for automobiles. 2,461,955, Feb. 15.
Barrows, Clarence G., Hamden, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Window shade construction. 2,461,870, Feb. 15.
Bass, Harland A., Mount Healthy, assignor to Avco Manufacturing Corporation, Cincinnati, Ohio. Relaxation oscillator capacitance multivibrator. 2,461,871, Feb. 15.
Bastian-Blessing Company, The, assignee: *See*—
Sundstrom, Savin L.
Baxter Laboratories, Inc., assignee: *See*—
Nesset, Maurice M.
Beatty, Elmer W., assignor of one-half to I. W. Millard, Danville, Ill. Finger cot. 2,461,872, Feb. 15.
Beckwith, Robert W., Syracuse, N. Y., assignor to General Electric Company. Frequency response circuits. 2,461,956, Feb. 15.
Beeh, Louis, Long Meadow, Mass., assignor to Bulova Watch Company, Inc., New York, N. Y. Expansible plunger. 2,461,873, Feb. 15.
Bell Telephone Laboratories, Incorporated, assignee: *See*—
Christensen, Carl J., Rigterink, and Treptow.
Meacham, Larned A.
Benson, George O., assignor to Chisholm-Ryder Company, Incorporated, Niagara Falls, N. Y. Telescopic structure. 2,461,625, Feb. 15.
Berestneff, Alexis A., assignor to Carrier Corporation, Syracuse, N. Y. Control arrangement for absorption refrigeration systems. 2,461,513, Feb. 15.
Berg, Christy L., St. Louis, Mo. Lowering and handling apparatus for burial vaults. 2,461,675, Feb. 15.
Berg, Emanuel, assignee: *See*—
Fox, Cecil M.

Berger, Paul, Chicago, Ill., assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R.

Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Har-

Coffman, Donald D. and R. D. Cramer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. De-

Davis, Adolph H.: *See*—
Hartley, Albert L., and Davis.
Davis, Garland H. B., Elizabeth, N. J., assignor to

Berger, Paul, Chicago, Ill., assignor, by mesne assignments, of one-half to H. Epstein and one-half to L. R. Duman. Transformer. 2,461,957, Feb. 15.
Bersworth, Frederick C., Verona, N. J. Producing carboxylic substituted aliphatic amines and metallic salts thereof. 2,461,519, Feb. 15.
Best, Philip F.: *See—*
 Burdock, Joseph L., Best, and McBride.
Betz Corporation, assignee: *See—*
 Boyle, John R.
Betz, Paul L., assignor to Consolidated Gas Electric Light and Power Company of Baltimore, Baltimore, Md. Safety control for gaseous fuel burners. 2,461,714, Feb. 15.
Biggerstaff, Andrew G. Rumson, N. J. Child's table. 2,461,715, Feb. 15.
Blackburn, Virgil A.: *See—*
 Schaldach, Alvin J., and Blackburn.
Blandford, Joseph H.: *See—*
 Leonard, Alfred H., and Blandford.
Blatt, Leland F., Detroit, Mich. Adjustable drill guide and pilot. 2,461,716, Feb. 15.
Boeckeler, B. Clark, assignee: *See—*
 Lowen, Leslie.
Boelsums, Willem F., Eindhoven, Netherlands, assignor, by mesne assignments, to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. Condenser motor. 2,461,717, Feb. 15.
Bohlen, Charles, Jr., Jenkintown, Pa. Vehicle spring. 2,461,874, Feb. 15.
Bonnell, Leonard S., Westfield, N. J., assignor to Standard Oil Development Company. Treating hydrocarbon fluids. 2,461,958, Feb. 15.
Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. Joint. 2,461,626, Feb. 15.
Booth, Robert B., Springdale, and E. C. Herkenhoff, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Froth flotation of iron ores. 2,461,875, Feb. 15.
Borel, André, Paris, France. Chromatic harmonicon. 2,461,806, Feb. 15.
Boskovich, Milan N., assignee: *See—*
 Hall, Arthur O.
Bouvet, René, Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Up-twister. 2,461,586, Feb. 15.
Bowers, Jack L., San Diego, Calif. Voltage regulator. 2,461,514, Feb. 15.
Bowman, Wade W., New York, N. Y. Beverage dispenser. 2,462,019, Feb. 15.
Boyer, Myron, assignee: *See—*
 Einhart, Harvey A.
Boyle, John R., Chicago, Ill., assignor to Betz Corporation, Hammond, Ind. Liquid distributor for refrigerating systems. 2,461,876, Feb. 15.
Brandon, Richard C., Elizabeth, N. J., assignor to Standard Oil Development Company. Catalytic hydrogenation of triisobutylene. 2,461,959, Feb. 15.
Bray, Alfred, & Sons Limited, assignee: *See—*
 Staples, Frederick.
Brereton, Christopher F., assignor to Vickers-Armstrongs Limited, London, England. Moving and controlling the motion of machinery. 2,461,877, Feb. 15.
Brewster, George A., Buffalo, N. Y. Operating table. 2,461,627, Feb. 15.
Bridgeport Brass Company, assignee: *See—*
 Hiertz, Arthur J.
Briggs Manufacturing Company, assignee: *See—*
 Ulick, Peter J.
Bright Star Battery Company, assignee: *See—*
 Doose, Otto.
Bristol Aeroplane Company Limited, The, assignee: *See—*
 Whitehead, Frederick W., and Lovering.
Bronwell, Arthur B., Evanston, Ill. Color television system. 2,461,515, Feb. 15.
Brown, Herbert C.: *See—*
 Schlesinger, Hermann I., and Brown.
Bruno, Anthony J., New York, N. Y. Film viewer. 2,461,718, Feb. 15.
Bryant, Austin U., Alameda, Calif. Egg cleaning apparatus. 2,461,960, Feb. 15.
Buckmann, John P., Redondo Beach, and L. L. Neff, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Lubricating composition. 2,461,961, Feb. 15.
Budak, Nicholas M., Waterloo, Iowa. Lock protector. 2,461,676, Feb. 15.
Budd Company, The, assignee: *See—*
 Murphy, Goodrich K.
Bullock, Martin T., Meridian, Miss. Water meter reducing adapter. 2,461,516, Feb. 15.
Bulova Watch Company, Inc., assignee: *See—*
 Beeh, Louis.
Burdock, Joseph L., Old Greenwich, and P. F. Best, Riverside, Conn., and C. B. McBride, Port Chester, assignors to The Aerotec Corporation, White Plains, N. Y. Apparatus for separating suspended particles from gases. 2,461,677, Feb. 15.
Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Stabilization of fatty materials. 2,461,807, Feb. 15.
Buxton, Loran O., Maplewood, and C. E. Dryden, East Orange, assignors to Nopco Chemical Company, Harrison, N. J. Production of antioxidants for fatty materials. 2,461,808, Feb. 15.
Cabot, Godfrey L., Inc., assignee: *See—*
 Loving, William.
Calladine, Joseph: *See—*
 De Grave, Marvin F., and Calladine.
Caloric Gas Stove Works, assignee: *See—*
 Klein, Gustav.
Caplan, Solomon: *See—*
 Harvey, Mortimer T., and Caplan.
Carbide and Carbon Chemicals Corporation, assignee: *See—*
 Quarles, Richard W., and Spessard.
Carlino, Carmelo, Buenos Aires, Argentina. Sole stitching machine. 2,461,587, Feb. 15.
Carlson, Bernard E., Chicago, Ill. Telltale lamp socket. 2,461,962, Feb. 15.
Carnegie-Illinois Steel Corporation, assignee: *See—*
 Lorig, Edwin T.
Carnegie Institute of Technology, assignee: *See—*
 Kiebler, Myron.
Carnevale, John C., Menlo Park, Calif. Spray gun for coating the interior of conduits. 2,461,517, Feb. 15.
Carpinella, Michael J., assignor to Scoville Manufacturing Company, Waterbury, Conn. Machine for locating screwheads with respect to drills. 2,462,035, Feb. 15.
Carrier Corporation, assignee: *See—*
 Berestneff, Alexis A.
Cawley, Aloysius J., Pittston, Pa. Road engaging means for automobiles. 2,461,719, Feb. 15.
Cawood, Richard L., and B. W. Richardson, assignors to The Patterson Foundry & Machine Co., East Liverpool, Ohio. Mixing apparatus. 2,461,720, Feb. 15.
Celanese Corporation of America, assignee: *See—*
 Hunter, Robert L., and Cramer.
 Olpin, Henry C., and Wesson.
 Rowley, Robert D., and Thompson.
Chace, Paul G., Attleboro Falls, assignor to Metals & Controls Corporation, Attleboro, Mass. Corrosion-resisting thermstat metal. 2,461,518, Feb. 15.
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Chuck. 2,461,628, Feb. 15.
Chance, A. B., Company, assignee: *See—*
 Hubbard, David C.
Chase Brass & Copper Co., Incorporated, assignee: *See—*
 Hallberg, August W.
Chemprotin Products, assignee: *See—*
 Lowen, Leslie.
Cheney, B. C., assignee: *See—*
 Hopkins, Jerold W.
Cheney, W. C., assignee: *See—*
 Hopkins, Jerold W.
Chester, Allan E., Highland Park, and F. F. Reisinger, Waukegan, assignors to Poor & Company, Chicago, Ill. Zinc electroplating. 2,461,809, Feb. 15.
Cheyney, La Verne E., assignor to Wingfoot Corporation, Akron, Ohio. Rubber hydrochloride film. 2,461,963, Feb. 15.
Chisholm-Ryder Company, Incorporated, assignee: *See—*
 Benson, George O.
Christensen, Carl J., and M. D. Bigterink, Summit, and A. W. Treptow, Plainfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallizing composition. 2,461,878, Feb. 15.
Christensen, Carl O., Walnut Creek, assignor to Roll-Rite Corporation, Oakland, Calif. Loading ramp. 2,461,678, Feb. 15.
Chrysler Corporation, assignee: *See—*
 Cousino, Patrick T.
 Gibson, William F.
Churchward & Company, Incorporated, assignee: *See—*
 Hall, Marcus A.
Chute, Walter J.: *See—*
 Wright, George F., and Chute.
Ciba Pharmaceutical Products, Incorporated, assignee: *See—*
 Miescher, Karl, Frey, Meystre, and Wettstein.
Clark, Geoffrey W., Bramcote, England, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Electrical connector. 2,462,036, Feb. 15.
Clark, John R., Denver, Colo., assignor of fifty per cent to C. D. and E. A. Hingley. Egg inspection table for moving individually separated eggs across a light source. 2,461,721, Feb. 15.
Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Clutch and brake mechanism. 2,461,629, Feb. 15.
Clark, Philip B., Morton Grove, assignor to Union Special Machine Company, Chicago, Ill. Control mechanism for sewing machines and the like. 2,461,520, Feb. 15.
Clifford, Albert M., Stow, and C. E. Gleim, assignors to Wingfoot Corporation, Akron, Ohio. Reacting a piperlyene with a halo substituted maleic anhydride. 2,461,679, Feb. 15.
Clopton, Mortimer L., South Pasadena, Calif. Sensitive element for space speed, track and angle of attack indicators. 2,461,521, Feb. 15.
Coe, Mayne R., Washington, D. C., assignor to Rile-Coe Filter Process, Inc., Pinehurst, N. C. Packaged meat and like products and process thereof. 2,461,522, Feb. 15.

Coffman, Donald D. and R. D. Cramer, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydrofluorination of polyfluoroalkanes. 2,461,523, Feb. 15.
Cohn, Ben, assignee: *See—*
 Davidson, Roy H.
Conroy, Charles L., assignee, et al.: *See—*
 Stranberg, Don F.
Consolidated Gas Electric Light and Power Company of Baltimore, assignee: *See—*
 Betz, Paul L.
Control Instrument Company, Inc., assignee: *See—*
 Feller, Anton M.
Cook, Harold J., U. S. Army, New Orleans, La. Nut peeler. 2,461,524, Feb. 15.
Coons, Curtis C., North Canton, Ohio. Hanger device for automobile windows. 2,461,722, Feb. 15.
Cooper, Abraham S., Brooklyn, N. Y. Handbag sounding device. 2,461,588, Feb. 15.
Corning Glass Works, assignee: *See—*
 Nordberg, Martin E.
Corrigan, Andrew W., Rockford, Ill. Poultry feeder. 2,461,525, Feb. 15.
Cousino, Patrick T., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Wrench with threaded nut holding member. 2,461,680, Feb. 15.
Cowan, John V., Williston Park, assignor of one-half to Y. Pessell, Brooklyn, N. Y. Apparatus for molding wax. 2,461,723, Feb. 15.
Cox, Fred W., Cuyahoga Falls, and J. M. Wallace, Jr., assignors to Wingfoot Corporation, Akron, Ohio. Color stabilization of vinyl halide resins. 2,461,531, Feb. 15.
Cozzo, Giuseppe, assignor to Hydropress, Incorporated, New York, N. Y. Plastic material extrusion head. 2,461,630, Feb. 15.
Cragan, Joseph A., Kingston, N. Y. Support for electric sadirons. 2,461,681, Feb. 15.
Craig, Palmer H., Gainesville, Fla. Method and means for sealing conductors to glass envelope walls. 2,462,020, Feb. 15.
Cramer, Ralph D.: *See—*
 Hunter, Robert L., and Cramer.
Cramer, Richard D.: *See—*
 Coffman, Donald D., and Cramer.
Crane Packing Company, assignee: *See—*
 Vorhees, Vance E.
Crane, Walton B. and W. B., Jr., assignors to Alpak, Los Angeles, Calif. Container. 2,461,879, Feb. 15.
Crane, William B., Jr.: *See—*
 Crane, Walton B. and W. B., Jr.
Crawford, James R., Clinton, S. C. Portable power-driven tree felling circular saw. 2,461,589, Feb. 15.
Crever, Frederick E., Scotia, N. Y., assignor to General Electric Company. Regulator circuit. 2,461,964, Feb. 15.
Crook, Louis H., Washington, D. C. Spark plug. 2,461,590, Feb. 15.
Cull, John W., Normandy, Mo., and E. Nilsson, Berkeley, Calif. Cargo and combat pack. 2,461,526, Feb. 15.
Curran Cushion and Textile Company, assignee: *See—*
 Curran, Frank J.
Curran, Frank J., Downers Grove, Ill., assignor to Curran Cushion and Textile Company. Cushion or back rest. 2,461,880, Feb. 15.
Currier, Loren C., Tulsa, Okla. Wheel balancing machine. 2,461,591, Feb. 15.
Curtis, John C., Claremont, N. H., assignor to Joy Manufacturing Company. Supporting column. 2,461,810, Feb. 15.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Percussive tool. 2,461,527, Feb. 15.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,461,528, Feb. 15.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Valve mechanism. 2,461,529, Feb. 15.
Curtis, John C., and E. G. Gartin, Claremont, N. H., assignors to Joy Manufacturing Company. Rock drill. 2,461,530, Feb. 15.
Cusano, Paul, Union City, N. J. Scoreboard. 2,461,811, Feb. 15.
Custom Scientific Instrument, Inc., assignee: *See—*
 Allen, Robert R.
Cuthbertson, William J., Pittsfield, and L. S. Schell, Jr., Lenox, Mass., assignors to General Electric Company. Electric switch. 2,461,965, Feb. 15.
Cutler-Hammer, Inc., assignee: *See—*
 Rouse, William H.
Daniel, Frederick K., Kew Gardens, assignor, by mesne assignments, to Sun Chemical Corporation, New York, N. Y. Removal or replacement of electrolytes in physiologically active materials. 2,461,505, Feb. 15.
Daniel, Frederick K., Kew Gardens, assignor to Sun Chemical Corporation, New York, N. Y. Regeneration of ion exchange material. 2,461,506, Feb. 15.
Darash, Nicholas P., assignor to The Warner & Swasey Company, Cleveland, Ohio. Machine tool. 2,461,631, Feb. 15.
Datlow, Joseph, New York, N. Y. Nitrating cellulose lace-backing fabrics. 2,461,632, Feb. 15.
Davidson, Roy H., assignor to B. Cohn, Chicago, Ill., and himself. Yarn protector. 2,461,724, Feb. 15.
Davis, Adolph H.: *See—*
 Hartley, Albert L., and Davis.
Davis, Garland H. B., Elizabeth, N. J., assignor to Standard Oil Development Company. Oxidized polyisobutylene. 2,461,966, Feb. 15.
Davis, Lewis and E. C. Tuukkanen, Worcester, assignors to McLaurin-Jones Co., Brookfield, Mass. Sealing and reinforcing tape. 2,462,037, Feb. 15.
Dearborn Chemical Company, assignee: *See—*
 Gunderson, Lewis O.
De Brabander, Camiel, Newport, assignor to American Viscose Corporation, Wilmington, Del. Inspection system. 2,461,592, Feb. 15.
Decker, Ferdinand A., Jr., Parkersburg, W. Va., assignor to American Viscose Corporation, Wilmington, Del. Winding machine. 2,461,593, Feb. 15.
De Ferrari, Edmond, San Francisco, Calif. Exerciser and amusement device for infants. 2,461,682, Feb. 15.
De Grave, Marvin F., and J. Calladine, Salem, Ohio, assignors to Eljer Company, Ford City, Pa. Pop-up waste valve. 2,461,812, Feb. 15.
De Havilland Aircraft Company Limited, The, assignee: *See—*
 Warde, Robert H.
Dench, Edward C.: *See—*
 Hardy, Arthur C., and Dench.
Derham, Philip A., Rosemont, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Snap-on bottle base. 2,461,968, Feb. 15.
De Vilbiss Company, The, assignee: *See—*
 Peeps, Donald J.
Devlin, Leo J., and E. H. Heinemann, Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Aerodynamic retarder. 2,461,967, Feb. 15.
Diamond, Al, New York, N. Y. Shoulder pad. 2,461,881, Feb. 15.
Dierickx, Walter C., Lake Worth, Fla. Table and chair combination. 2,461,683, Feb. 15.
Dierickx, Walter C., Lake Worth, Fla. Dinette set. 2,461,684, Feb. 15.
Dillehay, Edward R., Glen Ellyn, and R. D. Schuetz, Chicago, Ill., assignors to The Richardson Company, Lockland, Ohio. Furfuryl alcohol resin and making the same. 2,461,882, Feb. 15.
Dixon, John C., Sewell, N. J. Edge lighting unit. 2,461,532, Feb. 15.
Dodge, Howard M., Wabash, Ind., assignor to The General Tire & Rubber Company, Akron, Ohio. Vibration absorbing support. 2,461,969, Feb. 15.
Donovick, Richard: *See—*
 Rake, Geoffrey W., Koerber, and Donovick.
Doose, Otto, assignor to Bright Star Battery Company, Clifton, N. J. Flashlight. 2,461,634, Feb. 15.
Dorey, George B., Westmount, Quebec, Canada. Resilient connection for brake rods and the like. 2,461,633, Feb. 15.
Dosé, Robert G., United States Navy, Chevy Chase, Md. Automatic skid corrector. 2,461,533, Feb. 15.
Douglas Aircraft Company, Inc., assignee: *See—*
 Devlin, Leo J., and Heinemann.
 Rose, Edward H.
Dryden, Charles E.: *See—*
 Buxton, Loran O., and Dryden.
Dualoc Syndicate, assignee: *See—*
 Randall, Ralph R.
Duke, James B.: *See—*
 Greene, Ernest W., and Duke.
Duke, James B., Lakeland, Fla., assignor to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate minerals. 2,461,813, Feb. 15.
Duman, Louis R., assignee: *See—*
 Berger, Paul.
Dumore Company, The, assignee: *See—*
 Nelson, James H., and Servis.
Du Pont, E. I. de Nemours & Company, assignee: *See—*
 Coffman, Donald D., and Cramer.
 Gray, Allen G., Gresham, and Loder.
 Hamilton, Lyle A., and Pedersen.
 Johnson, Charles W.
 Londergan, Thomas E.
 Pratt, Burt C.
Dutchess Tool Company, Inc., assignee: *See—*
 Seem, Charles B.
Eastman Kodak Company, assignee: *See—*
 Knott, Edward B., and Morgan.
Eckman, Merll L., North West Canton, assignor to Republic Steel Corporation, Cleveland, Ohio. Culvert forming machine. 2,462,038, Feb. 15.
Einhart, Harvey A., assignor of thirty-three and one-third per cent to M. Boyer and thirty-three and one-third per cent to A. Ray, Clyde, Ohio. Cable clamp. 2,461,725, Feb. 15.
Eljer Company, assignee: *See—*
 De Grave, Marvin F., and Calladine.
Ellefson, Bennett S., assignor to Sylvania Electric Products Inc., Emporium, Pa. Fluorescent products and preparation thereof. 2,461,726, Feb. 15.
Ellis, Grenville B., Little Silver, N. J., assignor to the United States of America as represented by the Secretary of War. Leak resistant electrical cell. 2,461,534, Feb. 15.

Elsässer, Otto, and C. Ronzi, Zurich, Switzerland. Apparatus for the permanent waving of hair. 2,461,883, Feb. 15.
Gartin, Elmer G.: *See—*
 Curtis, John C., and Gartin.
Gates Rubber Company, assignee: *See—*

Greene, Ernest W., and J. B. Duke, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate minerals from their ores. 2,461,817, Feb. 15.
Hedman, Evert B., assignor to Aktiebolaget Superior, Stockholm, Sweden. Cutter shaft with inclinable cutter-blade. 2,462,022, Feb. 15.
Heiberger, Charles A., Nitro, W. Va., assignor to United

Eleßaser, Otto, and C. Ronzi, Zurich, Switzerland. Apparatus for the permanent waving of hair. 2,461,883, Feb. 15.

Elsinger, Louis S., Tampa, Fla.: J. E. Gillen, trustee in bankruptcy of said L. S. Elsinger. Level wind for fishing reels. 2,461,864, Feb. 15.

Empire Electric Brake Company, assignee: *See*— Whitten, Owen M.

Engle, Loy S.: *See*— Lee, Ernest D., and Engle.

Epstein, Hirsh, assignee: *See*— Berger, Paul.

Erhardt, Oscar P., West Haven, assignor to The A. C. Gilbert Company, New Haven, Conn. Toy building blocks with closure panes. 2,461,535, Feb. 15.

Estes, Joseph R., Cedar Rapids, Iowa. Latching means for tractor hitch bars. 2,461,885, Feb. 15.

Falk Corporation, The, assignee: *See*— Schmitter, Carl, and Klea.

Farkas, Emil N., Chicago, Ill. Display device. 2,461,536, Feb. 15.

Farnsworth Research Corporation, assignee: *See*— Johnson, Lambert L.

Faust, Howard C., assignee: *See*— Posun, John L., and Houghton.

Feild, Alexander S., Houston, Tex., assignor to Shell Development Company, San Francisco, Calif. Floating roof storage tank. 2,461,537, Feb. 15.

Feller, Anton M., Rahway, N. J., assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Magneto-strictive pressure indicator. 2,461,635, Feb. 15.

Ferwerda, Ray, assignee: *See*— Moss, Reginald.

Filiatreault, Damas C., Jr., Chicago, Ill. Tool handle. 2,461,886, Feb. 15.

Finegan, John C., East Orange, N. J., assignor to American Optical Company, Southbridge, Mass. Finger cot and making same. 2,461,971, Feb. 15.

Fischer, Earl K., Long Island City, assignor to Interchemical Corporation, New York, N. Y. Fire-retarding compositions. 2,461,538, Feb. 15.

Fischer, Herbert G. M., Westfield, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Asphalt with improved adhesion properties for aggregates. 2,461,971, Feb. 15.

Fischer, Herbert G. M., Westfield, N. J., assignor to Standard Oil Development Company. Motor fuels. 2,461,972, Feb. 15.

Fisher, Ernest F., assignor to Whiting Corporation, Harvey, Ill. Sludge handling and disposal system. 2,461,814, Feb. 15.

Fitch, Oran F., Alturas, Calif. Hay stacker device. 2,461,973, Feb. 15.

Fletcher, Edward C., East Lansing, Mich. Cartridge case. 2,461,539, Feb. 15.

Fletcher, Ralph A., Westford, Mass. Fabricated pallet. 2,461,887, Feb. 15.

Flora, Lee, Danville Ill. Enclosure for tractors. 2,461,974, Feb. 15.

Flounders, James M., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Steam hose. 2,461,594, Feb. 15.

Folse, Julius A.: *See*— Skinner, Leslie A., and Folse.

Ford Meter Box Company, Inc., The, assignee: *See*— Ford, Wilbur E.

Ford Roofing Products Company, assignee: *See*— O'Reilly, Martin G.

Ford, Wilbur E., assignor to The Ford Meter Box Company, Inc., Wabash, Ind. Meter setter. 2,461,888, Feb. 15.

Foreman, William, executor: *See*— Kuff, Fred R.

Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine and manufacture of shoes. 2,461,889, Feb. 15.

Foster, Edwin B., Austin, Tex. Retractable landing gear. 2,461,595, Feb. 15.

Foundry Services Limited, assignee: *See*— Strauss, Kossy.

Fox, Cecil M., Toledo, Ohio, assignor, by mesne assignments, to E. Berg, New York, N. Y. Cigarette lighter. 2,461,890, Feb. 15.

French, Henry C., Elm Grove, assignor to The Heil Co., Milwaukee, Wis. Steering mechanism for two-wheeled tractors or the like. 2,461,596, Feb. 15.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerisation of a low-boiling saturated hydrocarbon. 2,461,540, Feb. 15.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerising a low-boiling isomerisable saturated hydrocarbon. 2,461,541, Feb. 15.

Frey, Hugo: *See*— Miescher, Karl, Frey, Meystre, and Wettstein.

Fritsch, Walter, assignee, et al.: *See*— Stranberg, Don F.

Fuller, Edward D., assignor to The Visking Corporation, Chicago, Ill. Method of making flattened thermoplastic tubing of predetermined desired characteristics. 2,461,975, Feb. 15.

Gallaher, Andrew J., St. Louis, Mo. Sectional boiler assembly. 2,461,597, Feb. 15.

Gardner, Robert L., San Diego, Calif. Means and method for detecting leaks in drill stems. 2,461,727, Feb. 15.

Gartin, Elmer G.: *See*— Curtis, John C., and Gartin.

Gates Rubber Company, assignee: *See*— Nassimbene, Ernest.

Gaylor, Peter J., Union, N. J. Self-defrosting refrigeration system. 2,461,636, Feb. 15.

General Aniline & Film Corporation, assignee: *See*— Zimmerman, Bernhard G.

General Controls Co., assignee: *See*— Ray, William A.

General Electric Company, assignee: *See*— Beckwith, Robert W. Crever, Frederick E. Cuthbertson, William J., and Schell, Jr. Hansen, Elmer F. Kalikow, Irving. Patterson, Franklin G. Willits, Glenn D.

General Mills, Inc., assignee: *See*— Wittcoff, Harold.

General Motors Corporation, assignee: *See*— Clark, Kendall. Olt, Richard G.

General Railway Signal Company, assignee: *See*— Merkel, Joseph F.

General Tire & Rubber Company, The, assignee: *See*— Dodge, Howard M. Thiry, Leon F.

Gerlinger, Carl F., assignee: *See*— Waters, John L.

Germany, Leslie W., Cambridge, England. Circuit arrangement for producing a sine wave voltage from a pulse waveform. 2,461,637, Feo. 15.

Gessford, Ross K., assignor to Sylvania Electric Products Inc., Emporium, Pa. Electron discharge device. 2,461,728, Feb. 15.

Gibbs, William J., Brooklyn, N. Y. Apparatus for storing and dispensing stacked articles. 2,461,638, Feb. 15.

Gibson, James D., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerisation of paraffins. 2,461,598, Feb. 15.

Gibson, William F., Dayton, Ohio, assignor to Chrysler Corporation, Highland Park, Mich. Compressor unloading means. 2,462,039, Feb. 15.

Gilbert, A. C., Company, The, assignee: *See*— Erhardt, Oscar P. Smith, William E.

Gilbert & Barker Manufacturing Company, assignee: *See*— Logan, Joseph A. Rapisarda, Edward D.

Giles, Henry G., Pittsburgh, Pa. Tube dispensing device. 2,461,891, Feb. 15.

Gill, Robert L., Ridgfield, Wash. Vehicle ash receiver with suction discharge. 2,461,815, Feb. 15.

Gillen, J. E., trustee: *See*— Elsinger, Louis S.

Gilmour, Thomas, Brooklyn, N. Y. Detachable shoe heel ornament. 2,461,977, Feb. 15.

Giovanini, Anna A. Y., Los Angeles, Calif. Knitting needle holder. 2,461,816, Feb. 15.

Girdler Corporation, The, assignee: *See*— Atwood, Wilfrid L.

Gleim, Clyde E.: *See*— Clifford, Albert M., and Gleim.

Glick, Joseph, assignee: *See*— McMahon, Walter J.

Glidden Company, The, assignee: *See*— Moore, Charles G.

Glitsch Engineering Company, assignee: *See*— Glitsch, Hans C.

Glitsch, Hans C., Dallas, Tex., assignor, by mesne assignments, to Glitsch Engineering Company. Bubble cap mounting. 2,461,729, Feb. 15.

Globe Oil Tools Company, assignee: *See*— Smith, Edward M., Whittaker, and Goodwin.

Globe-Union Inc., assignee: *See*— Roup, Rolland R.

Godsey, Frank W., Jr., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Torque and power measuring device for shafts. 2,461,685, Feb. 15.

Goodrich, B. F., Company, The, assignee: *See*— Flounders, James M. Slemmons, Charles O. Slemmons, Charles O., and Smith.

Goodwin, John S.: *See*— Smith, Edward M., Whittaker, and Goodwin.

Gorman-Rupp Company, The, assignee: *See*— Rupp, Herbert E.

Gottlieb, Bertha, Cleveland, Ohio. Invisible seam. 2,461,542, Feb. 15.

Graef, Jean P., La Chaux-de-Fonds, Switzerland. Hour-increment hour hand setting mechanism. 2,461,599, Feb. 15.

Grand Specialties Company, assignee: *See*— Hopfeld, Fred P.

Gray, Allen G., Rocky River, Ohio, and W. F. Gresham and D. J. Loder, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electrodepositing composition and process. 2,461,507, Feb. 15.

Gray, Alvin N., Joppa, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for vulcanising articles. 2,461,600, Feb. 15.

Greene, Ernest W., and J. B. Duke, Lakeland, Fla., assignors to Minerals Separation North American Corporation, New York, N. Y. Concentration of phosphate minerals from their ores. 2,461,817, Feb. 15.

Greig, Harold G., Princeton, N. J., assignor to Radio Corporation of America. Electrolytic recording. 2,461,892, Feb. 15.

Gresham, William F.: *See*— Gray, Allen G., Gresham, and Loder.

Grigaitunas, Joseph G., assignor to The American Hardware Corporation, New Britain, Conn. Combined socket and spanner grip wrench for shoe calks. 2,461,639, Feb. 15.

Guagliano, Pasquale, Mill Valley, Calif. Readily releasable liquid container and cap sealing means. 2,461,893, Feb. 15.

Guardian Electric Manufacturing Co., assignee: *See*— Obenauny, Theodore, and Rowell.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Inhibiting foam formation in an aqueous gas-liquid system. 2,461,730, Feb. 15.

Gunn, Ross, Washington, D. C. Apparatus and method for studying wave propagations. 2,461,543, Feb. 15.

Guth, Carl R., McPherson, Kans. Preheating liquid fuel torch. 2,461,731, Feb. 15.

Gyro-Balance Corporation, assignee: *See*— Kalimann, Heins E.

Hague, Fred, Devon, assignor to Sun Oil Company, Philadelphia, Pa. Self-sealing coupling. 2,361,818, Feb. 15.

Hale, George C., and D. Hart, Dover, N. J. Fuse powder composition. 2,461,544, Feb. 15.

Hall, Arthur O., Wenatchee, Wash., assignor of fifty-one one-hundredths to M. N. Boskovich, Midvale, Utah. Mechanical mine shaft shovel. 2,461,978, Feb. 15.

Hall, Marcus A., Bethany, assignor, by mesne assignments, to Churchward & Company, Incorporated, West Haven, Conn. Boat hull. 2,461,819, Feb. 15.

Hallberg, August W., assignor to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Producing dies for extruding externally finned tubes. 2,461,640, Feb. 15.

Hamilton, Lyle A., Pitman, and C. J. Pedersen, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of tri-(beta-aminoethyl)-amine and beta-diketones or hydroxy methylene ketones. 2,461,894, Feb. 15.

Hancock, James C., Roanoke, Va. Foldable reel. 2,461,979, Feb. 15.

Hansen, Elmer F., Marblehead, Mass., assignor to General Electric Company. Electric contact device. 2,461,980, Feb. 15.

Hansen, Fred G., Toledo, Ohio. Machine tool working head. 2,461,732, Feb. 15.

Hanson, Donald R., assignee, as trustee: *See*— Noble, Warren.

Harder, Arthur J., Chicago, Ill. Clamp for cement form panels. 2,461,733, Feb. 15.

Hardy, Arthur C., Wellesley, Mass., and E. C. Dench, West Hartford, Conn., assignors to Interchemical Corporation, New York, N. Y. Multiplying apparatus. 2,461,895, Feb. 15.

Harker, Hilbert J., Detroit, Mich., assignor to Purity Bakeries Service Corporation. Extracting device for bakery products. 2,462,021, Feb. 15.

Harris-Seybold-Potter Company, assignee: *See*— Wood, William H.

Harris, Thomas, East Cleveland, and E. C. Swilik, assignor to The Apex Electrical Manufacturing Co., Cleveland, Ohio. Converting rotary to intermittent oscillating motion. 2,461,641, Feb. 15.

Hart, David: *See*— Hale, George C., and Hart.

Hartford National Bank and Trust Company, assignee, trustee: *See*— Boelsums, Willem F.

Hartley, Albert L., and A. H. Davis, assignors to The R. K. LeBlond Machine Tool Co., Cincinnati, Ohio. Flame hardening apparatus. 2,461,734, Feb. 15.

Harvel Research Corporation, assignee: *See*— Harvey, Mortimer T. Harvey, Mortimer T., and Caplan.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Friction element comprising discrete particles of insoluble furfuraldehyde ketone resin. 2,461,508, Feb. 15.

Harvey, Mortimer T., South Orange, N. J., assignor to Harvel Research Corporation. Compositions of matter and methods and steps of making and using the same. 2,461,510, Feb. 15.

Harvey, Mortimer T., South Orange, N. J., and S. Caplan, New York, N. Y., assignors to Harvey Research Corporation. Making tertiary alkyl amides. 2,461,509, Feb. 15.

Hayes, Albert E., Jr., West Hartford, Conn., assignor to Haseltine Research, Inc., Chicago, Ill. Frequency-stabilised wave-signal apparatus. 2,461,642, Feb. 15.

Hayes, C. Willard, assignee, as trustee: *See*— Noble, Warren.

Haseltine Research, Inc., assignee: *See*— Hayes, Albert E., Jr. Lewis, Harold M.

Hedman, Evert B., assignor to Aktiebolaget Superior, Stockholm, Sweden. Cutter shaft with inclinable cutter-blade. 2,462,022, Feb. 15.

Heiberger, Charles A., Nitro, W. Va., assignor to United States Rubber Company, New York, N. Y. Treating interpolymers of styrene, allylic fumarate, and allylic alcohol. 2,461,735, Feb. 15.

Heil Co., The, assignee: *See*— French, Henry C.

Heinemann, Edward H.: *See*— Devlin, Leo J., and Heinemann.

Hemmeter, George T., Berkeley, Calif. Dynamic balancer. 2,461,643, Feb. 15.

Hendricks, Homer D., Seattle, Wash. Portable golf tee support. 2,461,601, Feb. 15.

Hepp, Harold J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerisation process. 2,461,545, Feb. 15.

Herkenhoff, Earl C.: *See*— Booth, Robert B., and Herkenhoff.

Hermetikindustriens Laboratorium, assignee: *See*— Matthiesen, Erling.

Herr, Harvey E., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Spinning ring and traveler. 2,461,546, Feb. 15.

Herr Manufacturing Company, Inc., assignee: *See*— Herr, Harvey E.

Herrick, Guy S., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. Preparation of crystal violet. 2,461,896, Feb. 15.

Hetzel, Stanford J., Cheltenham, and R. M. Kennedy, Drexel Hill, assignors to Sun Oil Company, Philadelphia, Pa. Conversion of ethylene. 2,461,820, Feb. 15.

Hiebert, John, Brownvale, Alberta, Canada. Garment hanger. 2,461,686, Feb. 15.

Hiertz, Arthur J., assignor to Bridgeport Brass Company, Bridgeport, Conn. Pipe connection. 2,462,040, Feb. 15.

Hillhouse, Earl C., Tulsa, Okla. Toy. 2,461,644, Feb. 15.

Hills, Joseph E., assignor to Kraft Foods Company, Chicago, Ill. Packaging. 2,461,981, Feb. 15.

Hingley, Cecil D., assignee: *See*— Clark, John R.

Hingley, Ernest A., assignee: *See*— Clark, John R.

Hohler, Robert L., Dayton, Ohio. Safety link. 2,462,041, Feb. 15.

Holdenline Company, assignee: *See*— Terr, Joseph.

Holliban, John P., Jr., Garden City, Pa., assignor to American Viscose Corporation, Wilmington, Del. Manufacturing synthetic sutures and the like. 2,461,602, Feb. 15.

Honorary Advisory Council for Scientific and Industrial Research, The, assignee: *See*— Wright, George F., and Chute.

Hooper, John E., Burbank, Calif. Coffee filter. 2,461,736, Feb. 15.

Hopfeld, Fred P., Elmwood Park, assignor to Grand Specialties Company, Chicago, Ill. Welder's clamp. 2,461,887, Feb. 15.

Hopkins, Jerold W., assignor of sixty-five per cent to R. C. Cheney, La Crosse, Wis., and twenty-five per cent to W. C. Cheney, Lake City, Minn. Fish pole bracket for automobiles. 2,461,897, Feb. 15.

Horn, Knud: *See*— Andersen, Axel B., and Horn.

Horne, Burchard E., assignor to Watts Regulator Company, Lawrence, Mass. Control valve. 2,461,982, Feb. 15.

Houghton, Le Roy: *See*— Posun, John L., and Houghton.

Howald, Arthur M., and J. L. Jones, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Conjointly polymerized unsaturated substances. 2,462,042, Feb. 15.

Howard, Giles P. E., and A. Ivanoff, Luton, England. Centrifugal pump. 2,461,821, Feb. 15.

Hubbard, David C., assignor to A. B. Chance Company, Centralia, Mo. Fuse guard for cutouts. 2,461,898, Feb. 15.

Huffman, Hal P., Rockford, and R. B. Snively, Winnebago, Ill. Emergency tire chain. 2,461,737, Feb. 15.

Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Telephone ringing current generator. 2,461,547, Feb. 15.

Humphrey, Neva H., Olathe, Colo. Saddle blanket for horses. 2,461,899, Feb. 15.

Hunter, Robert L., and R. D. Cramer, Cumberland, Md., assignors to Celanese Corporation of America. Patterned textile material. 2,461,603, Feb. 15.

Huntsman, Francis D., Salt Lake City, Utah. Window structure of protective devices. 2,461,548, Feb. 15.

Huntaman, Francis D., Salt Lake City, Utah. Protective device. 2,461,604, Feb. 15.

Huntsman, Francis D., Salt Lake City, Utah. Headgear. 2,461,605, Feb. 15.

Hussey, Mary C., Mount Vernon, N. Y. Candle. 2,461,822, Feb. 15.

Hydropress, Incorporated, assignee: *See*— Cozzo, Giuseppe.

Illinois Watch Case Co., assignee: *See*— Wewetzer, Albert.

Illsche, Arthur, Rye, N. Y. Mass production machine for die-forming sheet metal blanks. 2,461,688, Feb. 15.

Interchemical Corporation, assignee: *See*— Fischer, Earl K.

Kowalski, Ted, Toledo, Ohio. Bucket holder. 2,461,825, Feb. 15.

Kraft Foods Company, assignee: *See*— Hills, Joseph E.

Lorig, Edwin T., Bellevue, Pa., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for the electrolytic coating of metal strip. 2,461,556, Feb. 15.

Lott, David L., Denver, Colo. Gun for spraying powder.

McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Sadiron assembly. 2,461,551, Feb. 15.

McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignor, by mesne assignments, to

Illsche, Arthur, Rye, N. Y. Mass production machine for die-forming sheet metal blanks. 2,461,688, Feb. 15.

Interchemical Corporation, assignee: *See*—
Fischer, Earl K.
Hardy, Arthur C., and Dench.
Lee, Ernest D., and Engle.
Radi, Lino J.

International Harvester Company, assignee: *See*—
Avila, Frank W.

International Nickel Company, Inc., The, assignee: *See*—
Stockdale, John, and Rison.

Ivanoff, Alexander: *See*—
Howard, Giles P. E., and Ivanoff.

Ivers-Lee Company, assignee: *See*—
Salfisberg, Leroy L.

Jackson, Harold F., Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Work supporting means for heat treating furnaces. 2,461,606, Feb. 15.

Jacobs, Helen H., United States Navy. Self-luminous ash tray. 2,461,349, Feb. 15.

Jarrett, Samuel D., Duncan, Okla. Wheel spacer for tractors. 2,461,983, Feb. 15.

Johanson, John E., Boonton, and W. A. Yonkers, Montville, N. J., assignors to Radio Frequency Laboratories, Inc. Seal nut. 2,462,023, Feb. 15.

Johnson, Charles W., East Brunswick Township, Middlesex County, N. J., assignor to E. I. du Pont de Nemours & Co., Wilmington, Del. Low shrinking cellulosic repair putty. 2,461,900, Feb. 15.

Johnson, Lambert L., Fort Wayne, Ind., assignor, by mesne assignments, to Farnsworth Research Corporation. Sawtooth wave generator. 2,462,024, Feb. 15.

Johnson, Walter C., Princeton, N. J. Device for solving equations. 2,461,738, Feb. 15.

Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Top securing means for furniture. 2,461,823, Feb. 15.

Jones, John L.: *See*—
Howald, Arthur M., and Jones.

Joy Manufacturing Company, assignee: *See*—
Curtis, John C.
Curtis, John C., and Gartin.

Kaehms, Charles G., Oakland, Calif., assignor, by mesne assignments, to Southern Pacific Company. Flaw detector mounting and control. 2,461,984, Feb. 15.

Kalikow, Irving, Swampscott, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,461,985, Feb. 15.

Kalikow, Irving, West Lynn, Mass., assignor to General Electric Company. Dynamoelectric machine. 2,461,986, Feb. 15.

Kallmann, Heinz E., Boston, Mass., assignor to Gyro-Balance Corporation, Greenwich, Conn. Balancing machine. 2,461,645, Feb. 15.

Kartaschoff, Valentin, Basel, assignor to Sandoz Ltd., Fribourg, Switzerland. Sulfurized phenolic tanning agents and their manufacture. 2,461,901, Feb. 15.

Kasperek, Adam, assignee: *See*—
Kostka, Edward.

Keferstein, Charles G., assignee: *See*—
Ayers, Fred L.

Keller, Margot, assignee: *See*—
Sorrell, Anne.

Kennedy, Robert M.: *See*—
Hetzel, Stanford J., and Kennedy.

Kershaw, Knox and R., Montgomery, Ala. Pile splice. 2,461,739, Feb. 15.

Kershaw, Royce: *See*—
Kershaw, Knox and R.

Kiebler, Myron, assignor to Carnegie Institute of Technology, Pittsburgh, Pa. Making organic acids from carbonaceous material. 2,461,740, Feb. 15.

Kies, Steven M.: *See*—
Schmitter, Carl, and Kies.

Klein, Gustav, Melrose Park, assignor to Caloric Gas Stove Works, Philadelphia, Pa. Detachable oven door. 2,461,902, Feb. 15.

Knott, Edward B., and J. Morgan, Wealdstone, England, assignors to Eastman Kodak Company, Rochester, N. Y. Antiplumming agents for photographic emulsions. 2,461,987, Feb. 15.

Kochli, Ernest G., Scarsdale, N. Y., and C. A. Olcott, West Milford, N. J. Automatically controlled sprayer for centrifugals. 2,461,741, Feb. 15.

Koerber, Walter L.: *See*—
Rake, Geoffrey W., Koerber, and Donovick.

Kokatnur, Vaman R.: *See*—
Wicser, Sol B., and Kokatnur.

Komline-Sanderson Engineering Corporation, assignee: *See*—
Komline, Thomas R.

Komline, Thomas R., Glen Rock, assignor to Komline-Sanderson Engineering Corporation, Ridgewood, N. J. Continuous rotary drum filter. 2,461,824, Feb. 15.

Kooijman, Pieter L., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Hydrogen peroxide distillation after removal of organic peroxides. 2,461,988, Feb. 15.

Kormendi, Laszlo, assignee: *See*—
Lowen, Leslie.

Kostka, Edward, assignor of one-half to A. Kasperek, La Porte, Ind. Wheel. 2,461,742, Feb. 15.

Kowalski, Ted, Toledo, Ohio. Bucket holder. 2,461,825, Feb. 15.

Kraft Foods Company, assignee: *See*—
Hills, Joseph E.
Riemer, John.

Krahl, Walter L., Emporium, Pa., assignor to Sylvania Electric Products, Inc. Electrode securing means. 2,461,743, Feb. 15.

Krautter, Louis M., Glencoe, Ill. Golf swing trainer. 2,461,826, Feb. 15.

Kuft, Fred B., deceased, Baltimore, Md.; W. Foreman and H. L. Morvitz, executors, assignors to The Southern Galvanizing Company, Baltimore, Md. Clothesline prop. 2,461,607, Feb. 15.

Kurtz, Edward F., assignor to Metals and Controls Corporation, Attleboro, Mass. Thermostatic control. 2,461,903, Feb. 15.

Květoň, Alois, Brunn, Czechoslovakia. Hair drier. 2,461,689, Feb. 15.

Lafield, Reggie L., San Antonio, Tex. Child's shampoo support. 2,461,744, Feb. 15.

Laing, Marvin R., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Valve control apparatus. 2,461,608, Feb. 15.

Lake, George R., and J. M. Stribley, Long Beach, assignors to Union Oil Company of California, Los Angeles, Calif. Azeotropic distillation of wide-boiling-range hydrocarbon fractions. 2,462,025, Feb. 15.

Lambach, Fritz, Tenafly, N. J. Warp knitting machine. 2,461,550, Feb. 15.

Lang, John M., Bridgeport, assignor to United Aircraft Corporation, East Hartford, Conn. Hinge structure for aircraft surfaces. 2,461,745, Feb. 15.

Lathrop, Elbert C., and S. I. Aronovsky, Peoria, Ill., assignors to the United States of America as represented by the Secretary of Agriculture. Aerator. 2,461,746, Feb. 15.

Lavietes, David P., Boone, N. C. Smoker's pipe. 2,461,905, Feb. 15.

Le Blond, R. K., Machine Tool Co., The, assignee: *See*—
Hartley, Albert L., and Davis.

Lee, Ernest D., Teaneck, and L. S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y. Composition comprising a rubbery copolymer of butadiene and styrene and a resin occurring in Utah resin-bearing coal. 2,461,551, Feb. 15.

Lee, Leighton, II, Rocky Hill, assignor, by mesne assignments, to Niles-Bement-Pond Company, West Hartford, Conn. Combination pump and valve mechanism. 2,461,827, Feb. 15.

Leonard, Alfred H., San Diego, Calif., and J. H. Blandford, Twin Falls, Idaho. Aircraft wing mounting. 2,461,747, Feb. 15.

Leong, Kim K., San Francisco, Calif. Knife sharpener. 2,461,690, Feb. 15.

Le Roy, Gene, South Charleston, W. Va. Sight glass assembly. 2,461,989, Feb. 15.

Lewis, Harold M., Allenhurst, N. J., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill. Carrier-wave communication system. 2,461,646, Feb. 15.

Libbey-Owens-Ford Glass Company, assignee: *See*—
Howald, Arthur M., and Jones.

Librascope, Incorporated, assignee: *See*—
Opocensky, Willard J.

Lichty, Joy G., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Polymers and copolymers of propiolates. 2,461,990, Feb. 15.

Ligett, Waldo B., Detroit, Mich., and E. T. McBee, Lafayette, and V. V. Lindgren, assignors to Purdue Research Foundation, West Lafayette, Ind. Aromatic fluorocarbon. 2,461,554, Feb. 15.

Light, Harry B., San Gabriel, Calif. Combination cradle and perambulator. 2,461,609, Feb. 15.

Lindgren, Vincent V.: *See*—
Ligett, Waldo B., McBee, and Lindgren.

Line Material Company, assignee: *See*—
Schults, William O.

Linsley, Douglas F., Greenwich, Conn. Cannister shell. 2,461,555, Feb. 15.

Lloyd, Charles G.: *See*—
Smith, David M., and Lloyd.

Loder, Donald J.: *See*—
Gray, Allen G., Gresham, and Loder.

Logan, Joseph A., Hadley, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Oil by-pass structure to avoid smoking of oil burners. 2,461,991, Feb. 15.

Lomelino, George F., assignor of one-half to L. E. Ostrom, Olney, Ill. Extension joint. 2,461,828, Feb. 15.

Londergan, Thomas E., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of halogenated alcohols and formals. 2,461,906, Feb. 15.

Looker, William H., Burlington, Iowa. Christmas tree stand or holder. 2,461,748, Feb. 15.

Lorain Products Corporation, assignee: *See*—
Huge, Henry M.

Lord, Chester R., Mineral City, Ohio. Screened eaves trough. 2,461,610, Feb. 15.

Lorig, Edwin T., Bellevue, Pa., assignor to Carnegie-Illinois Steel Corporation. Method and apparatus for the electrolytic coating of metal strip. 2,461,556, Feb. 15.

Lott, David L., Denver, Colo. Gun for spraying powder. 2,461,611, Feb. 15.

Lovell, Clifton L.: *See*—
Strohmaier, Alfred J.

Lovering, William G.: *See*—
Whitehead, Frederick W., and Lovering.

Lovett, Leroy W., and S. S. Sherrill, Baltimore, and A. Steigler, Towson, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for applying plastic material to cables. 2,461,647, Feb. 15.

Lo Vico, Rosario, Astoria, Long Island, N. Y. Preset pressure can for frozen foods or the like. 2,461,557, Feb. 15.

Loving, William, Pampa, Tex., assignor to Godfrey L. Cabot, Inc., Boston, Mass. Manufacture of carbon black. 2,462,026, Feb. 15.

Lowen, Leslie, Wyandotte, assignor, by mesne assignments, of nine thousand four hundred and forty-eight ten thousand five hundred and seventieths to Chemprotin Products, Trenton, Mich., five hundred and sixty-one ten thousand five hundred and seventieths to L. Kormendi, New York, N. Y., and five hundred and sixty-one ten thousand five hundred and seventieths to B. C. Bockeler, Grosse Ile, Mich. Gluten containing compositions. 2,461,829, Feb. 15.

Lundberg, Hans T. F., assignee: *See*—
Zuechlag, Theodore.

Lynn, Robert G., Passaic, N. J. Gripper gauge. 2,461,691, Feb. 15.

Macleod, Donald K., assignor to United Steel Fabricators, Inc., Wooster, Ohio. Fastening. 2,461,648, Feb. 15.

MacPhillamy, Harold B.: *See*—
Winterstciner, Oskar, and MacPhillamy.

Magnesen, Charles D., assignor to Modern Design Products Company, Chicago, Ill. Bearing seal. 2,461,907, Feb. 15.

Magnesen, Charles D., Chicago, Ill. Container and cover. 2,461,908, Feb. 15.

Mahon, Thomas C., Burnaby, British Columbia, Canada. Antisiphon valve. 2,461,830, Feb. 15.

Mallr, Joseph, Jr., Denver, Colo. Safety cutout for automotive engines. 2,461,692, Feb. 15.

Mallette, Fredrika, Piedmont, Calif. Infant's bed covering. 2,461,749, Feb. 15.

Manning, Timothy C., Kansas City, Mo., assignor to Uhlmann Grain Company, Chicago, Ill. Automatic grain fumigant application system. 2,461,649, Feb. 15.

Mantsh, John R.: *See*—
Anschicks, Rudolph J., Widell, and Mantsh.

Marler, Dunn C., Lake Charles, La. Well packer. 2,461,650, Feb. 15.

Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of phosphatides. 2,461,750, Feb. 15.

Marmor, Ralph A., and W. W. Moyer, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Preparation of phosphatides. 2,461,751, Feb. 15.

Martin, Glenn L., Company, The, assignee: *See*—
Weber, Louis.

Martin, William M., River Forest, W. F. Pillnik, Harvey, and D. B. Wobbe, Maywood, Ill., assignors to American Can Company, New York, N. Y. Apparatus for washing the side seams of can bodies. 2,461,559, Feb. 15.

Martinek, Louis P., Cleveland, Ohio. Print-handling device. 2,461,831, Feb. 15.

Mathiesen, Erling, assignor to Hermetikkindustriens Laboratorium, Stavanger, Norway. Treating sea animal products. 2,461,651, Feb. 15.

McAloon, Francis R., Waterbury, assignor to The United States Time Corporation, Middlebury, Conn. Wrist watch strap. 2,461,693, Feb. 15.

McBee, Earl T.: *See*—
Ligett, Waldo B., McBee, and Lindgren.

McBride, Charles E.: *See*—
Burdock, Joseph L., Best, and McBride.

McClure, Stanley J., Louisville, Ky. Beverage faucet and adjustable flow restrictor. 2,461,909, Feb. 15.

McConnell, Clifford H., Fort Peck, Mont. Storage battery holder. 2,461,752, Feb. 15.

McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Magnetic frequency reducer. 2,461,992, Feb. 15.

McCubbin, Keator, and C. E. Monical, assignors to A. E. Staley Manufacturing Company, Decatur, Ill. Deodorization of oils. 2,461,694, Feb. 15.

McEwen, Norman S., Fort Lauderdale, Fla. Safety control for presses. 2,461,753, Feb. 15.

McKinnis, Art C., assignor to Union Oil Company of California, Los Angeles, Calif. Hydrocarbon separation by azeotropic distillation. 2,461,993, Feb. 15.

McLaurin-Jones Co., assignee: *See*—
Davis, Lewis, and Tuukkanen.

McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Electric iron. 2,461,560, Feb. 15.

McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignors, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Sadiron assembly. 2,461,561, Feb. 15.

McLelland, William H., Mansfield, Ohio, and E. J. Ajax, Minneapolis, Minn., assignor, by mesne assignments, to Argus, Incorporated, Ann Arbor, Mich. Electric iron assembly. 2,461,562, Feb. 15.

McMahon, Walter J., assignor of one-half to J. Glick, New York, N. Y. Manicuring accessory. 2,461,695, Feb. 15.

Meacham, Larned A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Phase shifting apparatus. 2,461,832, Feb. 15.

Meagher, James E., Glendale, Calif. Transfusion apparatus. 2,461,558, Feb. 15.

Mercier, Dewey P., Burlington, Vt. Sinker for fishing lines. 2,461,833, Feb. 15.

Merck & Co., Inc., assignee: *See*—
Shabica, Anthony C.
Stein, Gustav A., and Tishler.
Wolf, Frank J.

Merkel, Joseph F., assignor to General Railway Signal Company, Rochester, N. Y. Wire terminal. 2,461,994, Feb. 15.

Merta, Fred A., assignor to Traylor Engineering & Manufacturing Company, Allentown, Pa. Sealing ring for rotary kilns. 2,461,754, Feb. 15.

Metals & Controls Corporation, assignee: *See*—
Chace, Paul G.
Kurtz, Edward F.
Vaughan, Victor G.

Metropolitan-Vickers Electrical Company Limited, assignee: *See*—
Smith, David M., and Lloyd.

Meystre, Charles: *See*—
Miescher, Karl, Frey, Meystre, and Wettstein.

Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,563, Feb. 15.

Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,910, Feb. 15.

Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of steroids and steroids suitable therefor. 2,461,911, Feb. 15.

Miescher, Karl, Riehen, H. Frey, Olten, and C. Meystre and A. Wettstein, Basel, Switzerland, assignors to Ciba Pharmaceutical Products, Inc., Summit, N. J. Degradation of the side-chain of a steroid containing a nuclear α,β-unsaturated keto group. 2,461,912, Feb. 15.

Millard, Irwin W., assignee: *See*—
Beatty, Elmer W.

Miller, Myron C., Seattle, Wash. Fish lure. 2,461,755, Feb. 15.

Minerals Separation North American Corporation, assignee: *See*—
Duke, James B.
Greene, Ernest W., and Duke.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Laing, Marvin R.
Newton, Alwin B.
Taylor, Daniel G.

Modern Design Products Company, assignee: *See*—
Magnesen, Charles D.

Modern Plastic Machinery Corporation, assignee: *See*—
Tornberg, Henning T.

Modes, Edward E., Chicago, Ill. Differential screw micrometer. 2,461,995, Feb. 15.

Mojonnier Bros. Co., assignee: *See*—
Armerding, George D.

Molins Machine Company Limited, assignee: *See*—
Powell, Gordon F. W.

Monical, Charles E.: *See*—
McCubbin, Keator, and Monical.

Montgomery, James W., Sr., Duluth, Minn. Knock down caster. 2,461,652, Feb. 15.

Moore, Charles G., River Forest, Ill., assignor to The Glidden Company, Cleveland, Ohio. Preparing oil-acid modified alkyd material. 2,461,564, Feb. 15.

Moore, George C., Company, assignee: *See*—
Neidel, Oscar F.

Moore, Ralph S., Visalia, Calif. Disk picture projector. 2,461,756, Feb. 15.

Moores, Mortimer H., Honolulu, Territory of Hawaii. Internal-combustion engine. 2,461,757, Feb. 15.

Morgan, John: *See*—
Knott, Edward B., and Morgan.

Morin, Louis H., Bronx, N. Y. Coaxial conductor. 2,461,834, Feb. 15.

Morningstar, Alfred, Hammond, Ind. Collector shoe. 2,461,696, Feb. 15.

Morrill, Wayne J., Fort Wayne, Ind. Metal sleeve expanding device with integral wedge and piston rod. 2,461,565, Feb. 15.

Morrill, Wayne J., Fort Wayne, Ind. Dynamoelectric machine rotor construction. 2,461,566, Feb. 15.

Morris, Rupert C.: *See*—
Snider, Alva V., and Morris.

Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Amino trimethyl hexenoic acids and their [illegible]. 2,462,009, Feb. 15.

Omar, Alejandro G., Madrid, Spain. Demountable building and structural unit therefor. 2,461,916, Feb. 15.

Oplin, Henry C., and A. J. Wesson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Dyeing of resins with polyhydroxy alcohol assistants. 2,461,612, Feb. 15.

Rake, Geoffrey W., Milltown, and W. L. Koerber, Kingston, N. J., and R. Donovick, assignors to E. R. Squibb & Sons, New York, N. Y. Antibiotic extraction from solids of actinomyces griseus culture. 2,461,922, Feb. 15.

Ramsay, Erskine, Birmingham, Ala. Rotary dump. 2,461,771, Feb. 15.

Schacht, William F., II, assignee: *See*—
Schacht, William F.

Schacht, William J., executor: *See*—
Schacht, William F.

Schaidach, Alvin J., and V. A. Blackburn, Sacramento, Calif. Automobile transport van. 2,461,927, Feb. 15.

Morris, Rupert C.: *See*—
Snider, Alva V., and Morris.

Morris, Rupert C., Berkeley, and A. V. Snider, Richmond, assignors to Shell Development Company, San Francisco, Calif. Amino trimethyl hexenoic acids and their lactams. 2,462,009, Feb. 15.

Morvitz, H. Levin, executor: *See*—
Kuff, Fred E.

Mosier, Murlin L., Sioux City, Iowa. Gas burner and support therefor. 2,461,913, Feb. 15.

Moss, Reginald, North Miami, Fla., assignor of one-half to R. Ferwerda, Cleveland, Ohio. Tire-protecting skid. 2,461,758, Feb. 15.

Moths, Raymond J., Fox Point, Wis. Adjustable spacer bar. 2,461,996, Feb. 15.

Moyer, Wendell W.: *See*—
Marmor, Ralph A., and Moyer.

Murphy, Daniel, New Castle, Pa. Double-acting centrifugal pump. 2,461,835, Feb. 15.

Murphy, Goodrich K., New Canaan, Conn., assignor to The Budd Company, Philadelphia, Pa. Railway sleeping car. 2,462,027, Feb. 15.

Nadherny, Russell J., assignor to Athey Products Corporation, Chicago, Ill. Vehicle mounted shovel. 2,461,653, Feb. 15.

Nash Engineering Company, assignee: *See*—
Adams, Harold E.

Nashua Gummed and Coated Paper Company, assignee: *See*—
Perry, Lloyd M.

Nassimbene, Ernest, assignor to Gates Rubber Company, Denver, Colo. High-speed belt. 2,461,654, Feb. 15.

National Lock Company, assignee: *See*—
Stone, Roy A.

Neff, Loren L.: *See*—
Buckmann, John P., and Neff.

Neidel, Oscar F., assignor to George C. Moore Company, Westerly, R. I. Tension device for rubber covering machines. 2,462,043, Feb. 15.

Nelson, Allen K., Washington, D. C. Foul ball indicator. 2,461,836, Feb. 15.

Nelson, Edgar A., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Safety razor and blade magazine therefor. 2,461,914, Feb. 15.

Nelson, James H. and H. Servis, assignors to The Dumore Company, Racine, Wis. Alternating current brake motor. 2,461,759, Feb. 15.

Neuset, Naurice M., assignor to Baxter Laboratories, Inc., Glenview, Ill. Handling sterile liquids. 2,461,837, Feb. 15.

Neuhart, Frederick C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solid bed catalyst regeneration process. 2,461,838, Feb. 15.

Neutelings, Theodoor R., Bergen-op-Zoom, Netherlands. Device for restoring to shape the walls of deformed sheet-metal boxes and their lids. 2,461,839, Feb. 15.

Neuwirth, Herman, assignor to Testrite Instrument Co., Inc., New York, N. Y. Tripod leg. 2,461,915, Feb. 15.

Newton, Alwin B., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Multiple refrigeration system with controls therefor. 2,461,760, Feb. 15.

Nicoll, Frederick H., Princeton, N. J., assignor to Radio Corporation of America. Forming low-reflecting surfaces on optical elements. 2,461,840, Feb. 15.

Niles-Bement-Pond Company, assignee: *See*—
Lee, Leighton.

Nilsson, Einar: *See*—
Cull, John W., and Nilsson.

Noble, Warren, Garden City, N. Y., assignor, by mesne assignments, to D. R. Hanson, Melrose, Mass., and C. W. Hayes, Bethesda, Md., as trustees. Seal. 2,461,655, Feb. 15.

Nopco Chemical Company, assignee: *See*—
Buxton, Loran O., and Dryden.

Nordberg, Martin E., assignor to Corning Glass Works, Corning, N. Y. Making fibrous glass articles. 2,461,841, Feb. 15.

Norman, Glenn A., Des Moines, Iowa. Flushing device. 2,461,656, Feb. 15.

Nye, Louis E., Elkhart, Ind., assignor to United States Rubber Company, New York, N. Y. Making cellular resin material. 2,461,761, Feb. 15.

Obsarny, Thedore, Chicago, Ill., and J. J. Rowell, New York, N. Y., assignors to Guardian Electric Manufacturing Co., Chicago, Ill. Handgrip control. 2,461,997, Feb. 15.

O'Donnell, John R., Brooklyn, N. Y. Scaffold and scaffold construction element. 2,461,762, Feb. 15.

Offenhauser, Paul, Houston, Tex. Tank roof. 2,461,763, Feb. 15.

Ohio Steel Foundry Company, The, assignee: *See*—
Jackson, Harold F.

Olcott, Charles A.: *See*—
Kochli, Ernest G., and Olcott.

Olcott, Charles A., West Milford, N. J. Control means for centrifugals. 2,461,764, Feb. 15.

Olin Industries, Inc., assignee: *See*—
Williams, David M.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc. Condensation of nitriles with amides and the production of beta-alamine. 2,461,842, Feb. 15.

Olt, Richard G., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Making composite bearings. 2,461,765, Feb. 15.

Omar, Alejandro G., Madrid, Spain. Demountable building and structural unit therefor. 2,461,916, Feb. 15.

Oplin, Henry C., and A. J. Wesson, Spondon, near Derby, England, assignors, by mesne assignments, to Celanese Corporation of America. Dyeing of resins with polyhydroxy alcohol assistants. 2,461,612, Feb. 15.

Opocensky, Willard J., Glendale, assignor to Librascope, Incorporated, Burbank, Calif. Potentiometer. 2,461,843, Feb. 15.

O'Reilly, Martin G., assignor to Ford Rooding Products Company, Chicago, Ill. Shingle. 2,462,028, Feb. 15.

Orelup, John W., Short Hills, N. J. Aromatic amines and fuels containing the same. 2,461,917, Feb. 15.

Osterberg, Carl L., Providence, R. I., assignor to A. J. Schwartz, New York, N. Y. Cuff link or cuff button. 2,461,845, Feb. 15.

Ostrom, Lawrence E., assignee: *See*—
Lomelino, George F.

Overland, Leo D., Brooklyn, N. Y. Stick holder. 2,461,844, Feb. 15.

Paasche, Jens A., Chicago, Ill. Automatic spray coating apparatus. 2,461,657, Feb. 15.

Patterson Foundry & Machine Co., The, assignee: *See*—
Cawood, Richard L., and Richardson.

Patterson, Franklin G., Schenectady, N. Y., assignor to General Electric Company. Pulse echo systems and pulse indicating means. 2,461,998, Feb. 15.

Payne, P. M., & Company, assignee: *See*—
Payne, Pearson M.

Payne, Pearson M., assignor to P. M. Payne & Company, Denver, Colo. Separable mold and refractory trough assembly. 2,461,999, Feb. 15.

Pedersen, Charles J.: *See*—
Hamilton, Lyle A., and Pedersen.

Peepe, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Apparatus for heating and circulating spray material. 2,461,766, Feb. 15.

Pennington, John T., Alexandria, Va. Multiplex photographic equipment support. 2,461,567, Feb. 15.

Perfection Stove Company, assignee: *See*—
Chadwick, Lee S.

Perry, Lloyd M., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Adhesive compositions. 2,462,029, Feb. 15.

Pessell, Yank, assignee: *See*—
Cowan, John V.

Petke, Frederick E., Cincinnati, Ohio, assignor to Sterling Drug Inc., New York, N. Y. Polyamine resinous composition and an ink make therefrom. 2,461,918, Feb. 15.

Peyton, William T., Dallas, Tex. Carload bracing spur cleat. 2,461,767, Feb. 15.

Philco Corporation, assignee: *See*—
Bunstein, David E.

Phillips Petroleum Company, assignee: *See*—
Frey, Frederick E.
Gibson, James D.
Hepp, Harold J.
Neuhart, Frederick C.
Richmond, John L.

Pillnik, Walter F.: *See*—
Martin, William M., Pillnik, and Wobbe.

Poor & Company, assignee: *See*—
Chester, Allan E., and Reisinger.

Porter, James T., La Mesa, Calif. Oscillating water sprinkler. 2,461,768, Feb. 15.

Powell, Gordon F. W., assignor to Molins Machine Company Limited, London, England. Dynamic braking arrangements for direct current motors. 2,461,919, Feb. 15.

Pozun, John L., and L. Houghton, assignors of one-third to H. C. Faust, Johnstown, Pa. Trestle. 2,461,769, Feb. 15.

Pratt, Burt C., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyhydric alcohol mixed esters. 2,461,920, Feb. 15.

Prismacolor, Inc., assignee: *See*—
Anschicks, Rudolph J., Widell, and Mantah.

Puccinelli, Romolo L., Turlock, Calif. Dehydrator. 2,461,770, Feb. 15.

Purdue Research Foundation, assignee: *See*—
Ligett, Waldo B., McBee, and Lindgren.

Purity Bakeries Service Corporation, assignee: *See*—
Harker, Hilbert J.

Quarles, Richard W., Pittsburgh, and C. I. Speasard, Leechburg, Pa., assignors to Carbide and Carbon Chemicals Corporation. Dispersions of vinyl chloride resins. 2,461,613, Feb. 15.

Queneau, Augustin L. J., Morristown, N. J. Recovery of zinc from its ores. 2,461,697, Feb. 15.

Rabinowitz, Harold M., Brooklyn, N. Y. Antispasmodic composition. 2,461,921, Feb. 15.

Radi, Lino J., Union City, N. J., assignor to Interchemical Corporation, New York, N. Y. Adhesive composition containing an isobutene-diolefin rubbery copolymer and a resin occuring in Utah resin-bearing coal. 2,461,552, Feb. 15.

Radi, Lino J., Union City, N. J., assignor to Interchemical Corporation. Adhesive composition containing polychloroprene rubber and a resin occuring in Utah resin-bearing coal. 2,461,553, Feb. 15.

Radio Corporation of America, assignee: *See*—
Greig, Harold G.
Nicoll, Frederick H.

Radio Frequency Laboratories, Inc., assignee: *See*—
Johanson, John E., and Yonkers.

Rake, Geoffrey W., Milltown, and W. L. Koerber, Kingston, N. J., and R. Donovick, assignors to E. R. Squibb & Sons, New York, N. Y. Antibiotic extraction from solids of actinomyces griseus culture. 2,461,922, Feb. 15.

Ramsay, Erskine, Birmingham, Ala. Rotary dump. 2,461,771, Feb. 15.

Randall, Ralph E., Freeport, assignor to Dualoc Syndicate, Rockford, Ill. Nonequalizing-torque differential transmission. 2,462,000, Feb. 15.

Rapisarda, Edward D., Agawam, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electrically operated spray outfit. 2,462,001, Feb. 15.

Ray, Alexander, assignee: *See*—
Einhart, Harvey A.

Ray, William A., Los Angeles, Calif., assignor to General Controls Co., Fluid control valve. 2,461,772, Feb. 15.

Raytheon Manufacturing Company, assignee: *See*—
Stutsman, Paul W.

Rasek, Joseph, Llanerch, Pa., assignor, by mesne assignments, to O. W. Storey, Wheaton, as trustee, for the partnership of O. W. Storey & Associates, Chicago, Ill. Apparatus for measuring high resistance. 2,461,923, Feb. 15.

Read, Harold J., assignor to H. H. Robertson, Pittsburgh, Pa. Cutting tip for cutting tools. 2,462,002, Feb. 15.

Reid, Thomas H., Brooklyn, N. Y. Balancing centrifugal machine. 2,461,773, Feb. 15.

Reisinger, Frederick F.: *See*—
Chester, Allan E., and Reisinger.

Republic Steel Corporation, assignee: *See*—
Eckman, Merril L.

Richardson, Bryant W.: *See*—
Cawood, Richard L., and Richardson.

Richardson Company, The, assignee: *See*—
Dillehay, Edward R., and Schuetz.

Richmond, John L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Paraffin isomerization process. 2,461,568, Feb. 15.

Riemer, John, Green Bay, Wis., assignor to Kraft Foods Company. Packaging apparatus. 2,461,569, Feb. 15.

Rigterink, Merle D.: *See*—
Christensen, Carl J., Rigterink, and Treptow.

Rile-Coe Filter Process, Inc., assignee: *See*—
Coe, Mayne R.

Rison, Donald E.: *See*—
Stockdale, John, and Rison.

Roberts, Joseph K., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Synthesis of liquids from carbon monoxide and hydrogen. 2,461,570, Feb. 15.

Robertson, Charles J., Hattiesburg, Miss. Impact type log peeler. 2,461,924, Feb. 15.

Robertson, H. H., assignee: *See*—
Read, Harold J.

Robertson, Leroy R., Richmond, Va. Hot water heating system. 2,461,774, Feb. 15.

Robinson, Girard C., Maywood, Ill. Power-driven hammer. 2,461,571, Feb. 15.

Roll-Rite Corporation, assignee: *See*—
Christensen, Carl O.

Ronzi, Carl: *See*—
Elsasser, Otto, and Ronzi.

Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Vehicle spring suspended half-axle for supporting steerable wheels. 2,461,775, Feb. 15.

Rose, Edward H., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Universal gauge holder. 2,462,003, Feb. 15.

Rothery, Albert, Springfield, Mass. Cushion. 2,462,004, Feb. 15.

Roup, Rolland R., assignor to Globe-Union Inc., Milwaukee, Wis. Electric circuit unit. 2,461,658, Feb. 15.

Rouse, William H., Greenfield, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Motor drive. 2,461,659, Feb. 15.

Rowan, Peyton, Anniston, Ala. Shaving brush heating means. 2,461,776, Feb. 15.

Rowell, John J.: *See*—
Obsarny, Theodore, and Rowell.

Rowley, Robert D., and R. F. Thompson, Narrows, Va., assignors to Celanese Corporation of America. Ripening cellulose esters. 2,461,572, Feb. 15.

Rupp, Herbert E., assignor to The Gorman-Rupp Company, Mansfield, Ohio. Self-priming centrifugal pump. 2,461,925, Feb. 15.

Russell, Winfield, P., Malden, Mass. Educational device. 2,461,926, Feb. 15.

Safety Car Heating and Lighting Company, Inc., The, assignee: *See*—
Barrows, Clarence G.

Salisbery, Leroy L., South Orange, assignor to Ivers-Lee Company, Newark, N. J. Package. 2,461,660, Feb. 15.

Sandoz Ltd., assignee: *See*—
Kartaschoff, Valentin.

Saunders, Ferdinand A., Nedrow, N. Y. Showcase with display racks therein. 2,461,698, Feb. 15.

Schacht, Robert W., assignee: *See*—
Schacht, William F.

Schacht, William F., deceased; W. J. Schacht, executor, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, Ind. Cattle marker with means to limit the swinging movement of the marker plate. 2,461,777, Feb. 15.

Schacht, William F., deceased; W. J. Schacht, executor, assignor to W. F. Schacht II, and R. W. Schacht, Huntington, 2nd. Caster. 2,461,778, Feb. 15.

Schacht, William F., II, assignee: *See*—
Schacht, William F.

Schacht, William J., executor: *See*—
Schacht, William F.

Schaldach, Alvin J., and V. A. Blackburn, Sacramento, Calif. Automobile transport van. 2,461,927, Feb. 15.

Schall, Elmer J., Germania, Pa. Road sander. 2,461,779, Feb. 15.

Schauweker, George H., assignor to American Optical Company, Southbridge, Mass. Face shield for use with respirators. 2,462,005, Feb. 15.

Schelwer, Albert T., Erie, Pa. Coupling. 2,461,699, Feb. 15.

Schelwer, Albert T., Erie, Pa. Sealed coupling. 2,461,700, Feb. 15.

Schell, Le Roy S., Jr.: *See*—
Cuthbertson, William J., and Schell, Jr.

Schenk, Bernard H., Western Springs, assignor to The Visking Corporation, Chicago, Ill. Method of making flattened thermoplastic tubing of predetermined desired characteristics. 2,461,976, Feb. 15.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal compounds. 2,461,661, Feb. 15.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal compounds. 2,461,662, Feb. 15.

Schlesinger, Hermann I., Chicago, Ill., and H. C. Brown, Detroit, Mich., assignors to the United States of America as represented by the United States Atomic Energy Commission. Preparation of alkali metal borohydrides. 2,461,663, Feb. 15.

Schmitter, Carl, West Allis, and S. M. Kies, assignors to The Falk Corporation, Milwaukee, Wis. Rotary joint. 2,462,006, Feb. 15.

Schopf, John S., Spokane, Wash. Exterior form for use in molding burial vaults and the like. 2,461,928, Feb. 15.

Schreck, Irvin F., Cleveland Heights, Ohio. Auxiliary supporting roller arrangement for pallet trucks. 2,462,007, Feb. 15.

Schuetz, Robert D.: *See*—
Dillehay, Edward R., and Schuetz.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Automatic switch construction. 2,461,846, Feb. 15.

Schwartz, Arthur J., assignee: *See*—
Osterberg, Carl I.

Schweizer, Paul, Easton, Pa., assignor to T. W. & C. B. Sheridan Company, New York, N. Y. Machine for stuffing newspapers or similar sheet material assemblages. 2,461,573, Feb. 15.

Scovill Manufacturing Company, assignee: *See*—
Carpinella, Michael J.
Spender, Donald L.
Treciokas, Jacob P.

Seagram, Joseph E., & Sons, Inc.: *See*—
Strohmaier, Alfred J.

Seaman, Robert E., Lansing, Mich. Flush toggle switch attachment. 2,461,614, Feb. 15.

Seem, Charles B., assignor to Dutchess Tool Company, Inc., Beacon, N. Y. Dough rounder. 2,461,929, Feb. 15.

Servis, Hoyt: *See*—
Nelson, James H., and Servis.

Shabica, Anthony C., assignor to Merck & Co., Inc., Rahway, N. J. Preparation of dl-threonine. 2,461,847, Feb. 15.

Sharples Chemicals Inc., assignee: *See*—
Olin, John F.

Shell Development Company, assignee: *See*—
Feild, Alexander S.
Kooliman, Pieter L.
Morris, Rupert C., and Snider.
Snider, Alva V., and Morris.

Shellmar Products Corporation, assignee: *See*—
Speyer, Fred B.

Sheridan, T. W. & C. B., Company, assignee: *See*—
Schweizer, Paul.

Sherrill, Sloan S.: *See*—
Lovett, Leroy W., Sherrill, and Stiegler.

Shildneck, Paul R., Decatur, Ill., assignor to A. E. Staley Manufacturing Company. Conversion of alpha amino acids to alpha hydroxy acids. 2,461,701, Feb. 15.

Simons, Harry D., Kearney, N. J. Testing camera synchronizers. 2,461,848, Feb. 15.

Simpson Electric Company, assignee: *See*—
Simpson, Ray.

Simpson, Ray, River Forest, assignor to Simpson Electric Company, Chicago, Ill. Exposure meter having coordinated meter pointer and calculating disk. 2,461,930, Feb. 15.

Skinner, Leslie A., Berkeley, Calif., and J. A. Folse, Miami, Fla., assignors to the United States of America as represented by the Secretary of War. Firing mechanism. 2,461,574, Feb. 15.

Slaybaugh, Elmer H., Parsons, Kans. Composition for fluoroscopic observation and roentgenography. 2,461,702, Feb. 15.

Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Tractor vehicle. 2,461,850, Feb. 15.

Slemmons, Charles O., South Bend, Ind., and R. W. Smith, Copley, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vehicle track. 2,461,849, Feb. 15.

Sterling Drug Inc., assignee: *See*—
Petke, Frederick E.

Stiegler, August: *See*—
Lovett, Leroy W., Sherrill, and Stiegler.

Stockdale, John, Clent, and D. E. Rison, Acocks Green, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Insulated

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha, beta-unsaturated guanamines. 2,461,943, Feb. 15.

Tishler, Max: *See*—
Stein, Gustav A., and Tishler.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Traverse

Vorhees, Vance E., Lincolnwood, assignor to Crane Packing Company, Chicago, Ill. Diaphragm-type seal. 2,461,710, Feb. 15.

Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for frequency multiplication of alternating electric currents. 2,461,861, Feb. 15.

Wallace, James M., Jr.: *See*—

Slemmons, Charles O., South Bend, Ind., assignor to The B. F. Goodrich Company, New York, N. Y. Tractor vehicle. 2,461,850, Feb. 15.

Slemmons, Charles O., South Bend, Ind., and R. W. Smith, Copley, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Vehicle track. 2,461,849, Feb. 15.

Smidth, F. L., & Co.: assignee: *See*—
Andersen, Axel B., and Horn.

Smith, Arthur D., Park Ridge, assignor to Adsorptive Process Company, Chicago, Ill. Process and apparatus for the treatment of hydrocarbon oil with catalysts. 2,461,932, Feb. 15.

Smith, David M., Stretford, Manchester, and C. G. Lloyd, Haguley, assignors to Metropolitan-Vickers Electrical Company Limited London, England. Multistage compressor. 2,461,931, Feb. 15.

Smith, Edward M., C. E. Whittaker and J. S. Goodwin, Whittier, assignors to Globe Oil Tools Company, Los Nietos, Calif. Starting gate. 2,461,780, Feb. 15.

Smith, Joseph A.: *See*—
Smith, Paul T. and J. A.

Smith, Paul T., Esmond, and J. A. Smith, Cranston, R. I. Rhodium alloy coatings and method of making same. 2,461,933, Feb. 15.

Smith, Robert W.: *See*—
Slemmons, Charles O., and Smith.

Smith, William R., Philadelphia, Pa., assignor to The A. C. Gilbert Company, New Haven, Conn. Vapor generation and puffing with audible effects in toys. 2,461,664, Feb. 15.

Snider, Alva V.: *See*—
Morris, Rupert C., and Snider.

Snider, Alva V., Richmond, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Amino trimethyl hexanoic acids and their lactams. 2,462,008, Feb. 15.

Snively, Ralph B.: *See*—
Huffman, Hal P., and Snively.

Solomon, Nathan L., Englewood, N. J. Barrette. 2,461,934, Feb. 15.

Sorrell, Anne, Hollywood, assignor of one-half to M. Keller, Beverly Hills, Calif. Manicurist buffer. 2,461,781, Feb. 15.

Southern Galvanizing Company, The, assignee: *See*—
Kuff, Fred E.

Southern Pacific Company, assignee: *See*—
Kaehms, Charles G.

Spanel, Abraham N., Princeton, N. J. Receptacle closure. 2,461,703, Feb. 15.

Spender, Donald L., Naugatuck, assignor to Scovill Manufacturing Company, Waterbury, Conn. Composite bottle cap. 2,462,010, Feb. 15.

Spessard, Clayton I.: *See*—
Quaries, Richard W., and Spessard.

Speyer, Fred B., Salem, Mass., assignor to Shellmar Products Corporation, Mount Vernon, Ohio. Adhesive and coating composition. 2,461,704, Feb. 15.

Spiller, William R., and L. D. Barley, Dayton, Ohio, assignors, by mesne assignments, to Acme Steel Company, Chicago, Ill. Reel support. 2,461,665, Feb. 15.

Squibb, E. R., & Sons, assignee: *See*—
Rake, Geoffrey W., Koerber, and Donovick.
Wintersteiner, Oskar, and Mac Phillamy.

Stadick, Conrad, Searles, Minn. Saw setting machine. 2,461,782, Feb. 15.

Staley, A. E., Manufacturing Company, assignee: *See*—
Marmor, Ralph A., and Moyer.
McCubbin, Keator, and Monical.
Shildneck, Paul R.

Standard Catalytic Company, assignee: *See*—
Fischer, Herbert G. M.

Standard Oil Company, assignee: *See*—
Roberts, Joseph K.

Standard Oil Development Company, assignee: *See*—
Bonnell, Leonard S.
Brandon, Richard C.
Davis, Garland H. B.
Fischer, Herbert G. M.
Waterman, Wendell W.
Weirge, Henry J.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Thread advancing reel. 2,461,575, Feb. 15.

Stanley, Richard W., Drexel Hill, Pa., assignor to American Viscose Corporation, Wilmington, Del. Reinforced thread-advancing reel. 2,461,576, Feb. 15.

Staples, Frederick, assignor to Alfred Bray & Sons Limited, Leicester, England. Circular knitting machine. 2,461,851, Feb. 15.

Stark, Charles J., Duluth, Minn. Gauge for collocating pipe sections. 2,461,783, Feb. 15.

Stark, John H., Jr., Springfield, Ohio. Collapsible trailer. 2,461,577, Feb. 15.

Starr, Philip D., assignor to Tre-Fold Products, Inc., College Park, Md. Rack for household utensils. 2,462,051, Feb. 15.

Stein, Gustav A., Plainfield, and M. Tishler, assignors to Merck & Co., Inc., Rahway, N. J. Stabilization of DDT. 2,461,852, Feb. 15.

Steiner, Hans, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Cylinder liner for opposed piston engines. 2,461,853, Feb. 15.

Sterling Drug Inc., assignee: *See*—
Petke, Frederick E.

Stiegler, August: *See*—
Lovett, Leroy W., Sherrill, and Stiegler.

Stockdale, John, Cleat, and D. E. Rison, Acocks Green, Birmingham, England, assignors to The International Nickel Company, Inc., New York, N. Y. Insulated electrical resistances. 2,461,935, Feb. 15.

Stone, Roy A., assignor to National Lock Company, Rockford, Ill. Mounting for hooks and the like. 2,461,936, Feb. 15.

Storey, O. W., & Associates: *See*—
Razek, Joseph.

Storey, Oliver W., assignee, trustee: *See*—
Razek, Joseph.

Stranberg, Don F., Libertyville, assignor to C. L. Conroy, Waukegan, and W. Fritsch, Libertyville, Ill. Self-sealing releasable coupling. 2,461,705, Feb. 15.

Strauss, Kossy, assignor to Foundry Services Limited, Birmingham, England. Degassing and grain refining of magnesium. 2,461,937, Feb. 15.

Streed, Clifford E., Minneapolis, Minn. Engine starting device. 2,461,784, Feb. 15.

Stribley, Josephine M.: *See*—
Lake, George R., and Stribley.

Strohmaier, Alfred J., Louisville, Ky., and C. L. Lovell, West Lafayette, Ind., assignors to Joseph E. Seagram & Sons, Inc., Shively, Ky. Method of clarifying mash. 2,461,938, Feb. 15.

Stuart, Elisabeth R. B., assignee: *See*—
Wilson, Allen B.

Stuart, Kimberly, assignee: *See*—
Wilson, Allen B.

Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Optical inspection apparatus for use in inspecting potentiometer cards. 2,461,939, Feb. 15.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Electrode assembly for electron-discharge tubes. 2,461,578, Feb. 15.

Sullivan, Frank J., Oshkosh, Wis. Quick release mechanism for parachute harnesses. 2,461,785, Feb. 15.

Sullivan, Timothy J., assignor to Sullivan Valve and Engineering Company, Butte, Mont. Vacuum regulator. 2,461,666, Feb. 15.

Sullivan Valve and Engineering Company, assignee: *See*—
Sullivan, Timothy J.

Sulzer Freres, Society Anonyme, assignee: *See*—
Steiner, Hans.

Sun Chemical Corporation, assignee: *See*—
Daniel, Frederick K.

Sun Oil Company, assignee: *See*—
Hague, Fred.
Hetzel, Stanford J., and Kennedy.

Sundstrom, Savin L., assignor to The Bastian-Blessing Company, Chicago, Ill. Liquefied petroleum gas system. 2,461,940, Feb. 15.

Sunstein, David E., Cynwyd, Pa., assignor to Philco Corporation. Electrical system. 2,461,667, Feb. 15.

Sutton, Robert W., Milwaukee, Oreg. Folding gaff. 2,461,941, Feb. 15.

Swilik, Edward C.: *See*—
Harris, Thomas, and Swilik.

Sylvania Electric Products Inc., assignee: *See*—
Ellefson, Bennett S.
Gessford, Ross K.
Krahl, Walter L.

Szalka, Alexander, Budapest, Hungary. Combined paper dispenser and advertising device. 2,461,706, Feb. 15.

Szerlip, Alexander and S., Brooklyn, N. Y. Switch. 2,461,707, Feb. 15.

Szerlip, Stanley: *See*—
Szerlip, Alexander and S.

Taborski, Alfred F., Buffalo, N. Y. Necktie. 2,461,854, Feb. 15.

Taylor, Daniel G., assignor to Minneapolis Honeywell Regulator Company, Minneapolis, Minn. Fluid control device. 2,461,615, Feb. 15.

Ten Broeck, Walter T. L., Jr., assignor to Wingfoot Corporation, Akron, Ohio. Vinyl chloride-alkyl ester of unsaturated dicarboxylic acid copolymer sponge composition. 2,461,942, Feb. 15.

Terr, Joseph, assignor to Holdenline Company, Cleveland, Ohio. Fluorescent lighting fixture. 2,461,786, Feb. 15.

Testrite Instrument Co., Inc., assignee: *See*—
Neuwirth, Herman.

Thein, William, Bremerton, Wash. Fire and burglar proof safe. 2,461,708, Feb. 15.

Thiry, Leon F., Montclair, N. J., assignor to The General Tire & Rubber Company, Akron, Ohio. Cushioning support. 2,462,011, Feb. 15.

Thomas, Albert, Munhall, Pa. Tool. 2,461,579, Feb. 15.

Thompson, Lee L., assignee: *See*—
Zeck, Ivan V.

Thompson Products, Inc., assignee: *See*—
Alldredge, Marshall H.
Booth, James H.

Thompson, Robert F.: *See*—
Rowley, Robert D., and Thompson.

Thompson, William D., San Diego, Calif. Film holder for photographic enlargers. 2,461,668, Feb. 15.

Threedy, Clarence E., assignee, trustee: *See*—
Tratsch, Walter A.

Thurston, Jack T., Cos Cob, Conn., assignor to American Cyanamid Company, New York, N. Y. Alpha, beta-unsaturated guanamines. 2,461,943, Feb. 15.

Tishler, Max: *See*—
Stein, Gustav A., and Tishler.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Traverse feed control means. 2,461,855, Feb. 15.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Die mount for plastic extruders. 2,461,856, Feb. 15.

Tornberg, Henning T., Ridgewood, assignor to Modern Plastic Machinery Corporation, Lodi, N. J. Automatic locking spindle. 2,461,857, Feb. 15.

Towers, Augustus R., Richmond, Va. Shaving implement. 2,461,858, Feb. 15.

Trachtenberg, Samuel, Cleveland, Ohio. Jewelry box. 2,461,787, Feb. 15.

Tratsch, Walter A., assignor to C. E. Threedy, Chicago, Ill., trustee. Shooting gallery. 2,461,788, Feb. 15.

Traylor Engineering & Manufacturing Company, assignee: *See*—
Merts, Fred A.

Treciokas, Jacob P., Oakville, assignor to Scovill Manufacturing Company, Waterbury, Conn. Machine for forming and joining snap fastener tapes. 2,461,944, Feb. 15.

Tre-Fold Products, Inc., assignee: *See*—
Starr, Philip D.

Treptow, Arnold W.: *See*—
Christensen, Carl J., Rigterink, and Treptow.

Tribune Company, assignee: *See*—
Wolf, Otto R.

Trojan Powder Company, assignee: *See*—
Wyler, Joseph A.

Tschumi, Otto, assignor to the firm Autophon Aktiengesellschaft, Soleure, Switzerland. Receiver-connection in electroacoustic duplex system. 2,461,945, Feb. 15.

Tuukkanen, Edwin C.: *See*—
Davis, Lewis, and Tuukkanen.

Uhlmann Grain Company, assignee: *See*—
Manning, Timothy C.

Ulick, Peter J., assignor to Briggs Manufacturing Company, Detroit, Mich. Toolholder. 2,461,946, Feb. 15.

Union Oil Company of California, assignee: *See*—
Buckmann, John P., and Neff.
Lake, George R., and Stribley.
McKinnis, Art C.

Union Special Machine Company, assignee: *See*—
Clark, Philip B.

Union Switch and Signal Company, The, assignee: *See*—
Walker, Alec H. B.

United Aircraft Corporation, assignee: *See*—
Lang, John M.

United-Carr Fastener Corporation, assignee: *See*—
Clark, Geoffrey W.

United Shoe Machinery Corporation, assignee: *See*—
Fossa, Joseph.

United Steel Fabricators, Inc., assignee: *See*—
Macleod, Donald K.

United States of America, assignee: *See*—
Whitehead, Richard H.

United States Atomic Energy Commission, the United States of America as represented by the, assignee: *See*—
Schlesinger, Hermann I., and Brown.

United States Rubber Company, assignee: *See*—
Bargmeyer, Ernest G.
Heiberger, Charles A.
Nye, Louis E.

United States Time Corporation, assignee: *See*—
McAloon, Francis R.

Usai, Mario G., East Paterson, N. J. Hair-treating comb. 2,461,789, Feb. 15.

Vanity Fair Mills, Inc., assignee: *See*—
Young, George O.

Vasselli, Anthony J., Newark, N. J. Transmission belt joint. 2,461,859, Feb. 15.

Vaughan, Victor G., assignor to Metals & Controls Corporation, Attleboro, Mass. Thermostatic control. 2,461,904, Feb. 15.

Vaughn, Albert E., Orange, N. J. Lipstick holder and lipstick. 2,461,790, Feb. 15.

Venne, Claude E., Tomahawk, Wis. Can perforator. 2,461,709, Feb. 15.

Vickers-Armstrongs Limited, assignee: *See*—
Brereton, Christopher F.

Victor Metal Products Corporation, assignee: *See*—
Derham, Phillip A.

Victor, Victor A., Brooklyn, N. Y. Apparatus for making pile fabrics. 2,461,860, Feb. 15.

Viking Pump Company, assignee: *See*—
Bakewell, William E.

Vilter, Ernest F., assignor to The Vilter Manufacturing Company, Milwaukee, Wis. Refrigerant deoiler. 2,462,012, Feb. 15.

Vilter Manufacturing Company, The, assignee: *See*—
Vilter, Ernest F.

Visking Corporation, The, assignee: *See*—
Fuller, Edward D.
Schenk, Bernard H.

Vorhees, Vance E., Lincolnwood, assignor to Crane Packing Company, Chicago, Ill. Diaphragm-type seal. 2,461,710, Feb. 15.

Walker, Alec H. B., London, England, assignor, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Apparatus for frequency multiplication of alternating electric currents. 2,461,861, Feb. 15.

Wallace, James M., Jr.: *See*—
Cox, Fred W., and Wallace.

Walter, Charles W. P., Woodhaven, assignor to Western Electric Company, Incorporated, New York, N. Y. Contact fixture. 2,461,616, Feb. 15.

War, United States of America as represented by the Secretary of, assignee: *See*—
Ellis, Grenville B.
Skinner, Leslie A., and Foise.

Warde, Robert H., assignor to The De Havilland Aircraft Company Limited, Hatfield, England. Variable pitch airscrew. 2,461,791, Feb. 15.

Warner & Swasey Company, The, assignee: *See*—
Darash, Nicholas P.

Waterman, Wendell W., Cranford, N. J., assignor to Standard Oil Development Company. Stripping of emulsion polymerization latices. 2,462,013, Feb. 15.

Waters, John L., Salem, assignor, by mesne assignments, to C. F. Gerlinger, Dallas, Oreg. Rotary ball valve. 2,461,617, Feb. 15.

Watts Regulator Company, assignee: *See*—
Horne, Burchard E.

Weatherhead Company, The, assignee: *See*—
Allin, Frederick E., and Wyss.

Weaver, Thomas E., Chicago, Ill. Eyeglass case with sight openings. 2,461,792, Feb. 15.

Weber, Louis, Jacksonville, Fla., assignor to The Glenn L. Martin Company, Middle River, Md. Undercutting tool. 2,461,947, Feb. 15.

Weis, Albert H., deceased, by B. Weis, executrix, South Nyack, assignor to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,461,862, Feb. 15.

Weis, Barbara, executrix: *See*—
Weis, Albert H.

Weirge, Henry J., Tulsa, Okla., assignor to Standard Oil Development Company. Micropermeameter for measuring the permeability of oil field cuttings. 2,462,014, Feb. 15.

Wesson, Alexander J.: *See*—
Olpin, Henry C., and Wesson.

Western Electric Company, Incorporated, assignee: *See*—
Gray, Alvin N.
Lovett, Leroy W., Sherrill, and Stiegler.
Stull, John S.
Walter, Charles W. P.

Westinghouse Electric Corporation, assignee: *See*—
Godsey, Frank W., Jr.

Wettstein, Albert: *See*—
Miescher, Karl, Frey, Meystre, and Wettstein.

Wewetzer, Albert, assignor to Illinois Watch Case Co., Elgin, Ill. Compact. 2,461,711, Feb. 15.

Whitehead-Craft Corporation, assignee: *See*—
Whitehead, Edward D. F.

Whitehead, Edward D. F., Chevy Chase, Md., assignor to Whitehead-Craft Corporation, Washington, D. C. Oxychloride cementatory material. 2,462,030, Feb. 15.

Whitehead, Frederick W., and W. G. Lovering, assignors to The Bristol Aeroplane Company Limited, Bristol, England. Honing or the like machine. 2,461,948, Feb. 15.

Whitehead, Richard H., New Haven, Conn., assignor, by mesne assignments, to the United States of America. Releasing mechanism for time fuses. 2,461,793, Feb. 15.

Whiting Corporation, assignee: *See*—
Fisher, Ernest F.

Whittaker, Alvin, Burbank, Calif. Folding box. 2,461,618, Feb. 15.

Whittaker, Charles E.: *See*—
Smith, Edward M., Whittaker, and Goodwin.

Whitten, Owen M., Detroit, Mich., assignor to Empire Electric Brake Company, Newark, N. J. Booster brake mechanism. 2,462,015, Feb. 15.

Wicser, Sol B., Washington, D. C., and V. R. Kokatnur, New York, N. Y. Method and apparatus for emulsifying fuels. 2,461,580, Feb. 15.

Widell, Charles: *See*—
Anschicks, Rudolph J., Widell, and Mantsh.

Wiegand, Albert P., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electric heating. 2,462,016, Feb. 15.

Wiegand, Edwin L., Company, assignee: *See*—
Wiegand, Albert P.

Wiley, Max R., Wichita, Kans. Variable incidence wing control for aircraft. 2,461,669, Feb. 15.

Willcox & Gibbs Sewing Machine Company, assignee: *See*—
Weis, Albert H.
Wonnacott, Norman, and Backlin.

Williams, David M., assignor to Olin Industries, Inc., New Haven, Conn. Automatic sear-releasing mechanism for firearms. 2,461,670, Feb. 15.

Williams, Jay E., Dubuque, Iowa. Support for electrical fixtures. 2,461,794, Feb. 15.

Williamson, Floyd M., Detroit, Mich. Compound angle computer. 2,461,795, Feb. 15.

Willits, Glean D., Leo, Ind., assignor to General Electric Company. Motor and brake mechanism. 2,462,017, Feb. 15.

Willys-Overland Motors, Inc., assignee: *See*—

Wright, George F., Toronto, Ontario, and W. J. Chute, Kentville, Nova Scotia, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Nitramines and their preparation. 2,461,582, Feb. 15.

LIST OF REISSUE INVENTIONS

Willits, Glean D., Leo, Ind., assignor to General Electric Company. Motor and brake mechanism. 2,462,017, Feb. 15.

Willys-Overland Motors, Inc., assignee: *See*—
Boos, Delmar G.

Wilquin, Carl L., Chicago, Ill. Cheese slicer. 2,461,796, Feb. 15.

Wilson, Allen B., Evanston, Ill., assignor, by mesne assignments, of one-half to K. Stuart and one-half to E. R. B. Stuart, Menasha, Wis. Container and manufacture. 2,461,581, Feb. 15.

Willson, David S., Muskegon Heights, Mich., assignor to John Wood Manufacturing Company, Inc., Philadelphia, Pa. Compound motion distributing valve for expansible chamber meters. 2,462,044, Feb. 15.

Wingfoot Corporation, assignee: *See*—
Cheyney, La Verne E.
Clifford, Albert M., and Gleim.
Cox, Fred W., and Wallace.
Lichty, Joy G.
Ten Broeck, Walter T. L., Jr.

Wintersteiner, Oskar, and H. B. MacPhillamy, New Brunswick, N. J., assignors to E. R. Squibb & Sons, New York, N. Y. Obtaining a crystalline sodium penicillin. 2,461,949, Feb. 15.

Wittcoff, Harold, Minneapolis, Minn., assignor to General Mills, Inc. Condensation of ketones with formaldehyde. 2,462,031, Feb. 15.

Wobbe, Delbert E.: *See*—
Martin, William M., Pillnik, and Wobbe.

Wolcott, Herbert, Columbia, Mo. Auxiliary backwash for water-treating systems. 2,461,619, Feb. 15.

Wolf, Frank J., Westfield, assignor to Merck & Co., Inc., Rahway, N. J. 2 or 4-amino quinazolines. 2,461,950, Feb. 15.

Wolf, Otto R., Oak Park, assignor to Tribune Company, Chicago, Ill. Multicolor printing press. 2,462,032, Feb. 15.

Wonnacott, Norman, Scarsdale, and C. R. Backlin, Floral Park North, assignors to Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machine. 2,461,951, Feb. 15.

Wood, John, Manufacturing Company, Inc., assignee: *See*—
Willson, David S.

Wood, William H., University Heights, assignor to Harris-Seybold-Potter Company, Cleveland, Ohio. X-ray opaque marking means. 2,462,018, Feb. 15.

Worth, Arthur A., Penobscot, and H. S. Adams, Skowhegan, Maine, assignors to American Woolen Company, New York, N. Y. Ring spinning frame. 2,461,952, Feb. 15.

Wright, George F., Toronto, Ontario, and W. J. Chute, Kentville, Nova Scotia, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Nitramines and their preparation. 2,461,582, Feb. 15.

Wright, George F., Toronto, Ontario, and W. J. Chute, Kentville, Nova Scotia, assignors to The Honorary Advisory Council for Scientific and Industrial Research, Ottawa, Ontario, Canada. Converting secondary amines to nitramines. 2,462,062, Feb. 15.

Wright, Jack R., Los Angeles, Calif. Detachable cleat for shoes. 2,461,671, Feb. 15.

Wright, Ray C., Flint, Mich. Dispensing closure cap. 2,461,620, Feb. 15.

Wulff, John, Cambridge, Mass. Producing filters. 2,462,045, Feb. 15.

Wyler, Joseph A., assignor to Trojan Powder Company, Allentown, Pa. Resinous esters of higher fatty acids with pentaerythritols and making. 2,462,046, Feb. 15.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Pentaerythritol condensation products. 2,462,047, Feb. 15.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Epoxy tetramethylol methane and polymerization products thereof. 2,462,048, Feb. 15.

Wyler, Joseph A., Allentown, Pa., assignor to Trojan Powder Company. Pentaerythritol conversion. 2,462,049, Feb. 15.

Wyss, Frederic D.: *See*—
Allin, Frederick R., and Wyss.

Yardeny, Michel N., New York, N. Y. Control apparatus with flexible control elements. 2,462,033, Feb. 15.

Yonkers, William A.: *See*—
Johanson, John E., and Yonkers.

Young, George O., Robesonia, assignor to Vanity Fair Mills, Inc., Reading, Pa. Knitting machine. 2,461,583, Feb. 15.

Zeck, Ivan V., assignor to L. L. Thompson, Iowa Park, Tex. Spraying system. 2,462,034, Feb. 15.

Zeeb, Stanley H., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Coupling. 2,461,863, Feb. 15.

Zimmerman, Bernhard G., Westfield, N. J., assignor to General Aniline & Film Corporation, New York, N. Y. Recovery and recycling of manganic sulfate paste in organic oxidations. 2,462,050, Feb. 15.

Zuschlag, Theodore, West Englewood, N. J., assignor to H. T. F. Lundberg, Toronto, Ontario, Canada. Instrument for geophysical exploration. 2,461,864, Feb. 15.

Zwicky, Fritz, Pasadena, assignor to Aerojet Engineering Corporation, Azusa, Calif. Reaction propelled device for operation through water. 2,461,797, Feb. 15.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Nitriles, Purifying. A. W. Ralston, L. T. Crews, and E. W. Colt. Re. 23,084, Feb. 15.

LIST OF PLANT INVENTIONS

Rose plant. E. S. Boerner. 823, Feb. 15.

Rose plant. E. S. Boerner. 824, Feb. 15.

LIST OF DESIGN INVENTIONS

Anode, Metal. J. A. Stone. 152,753, Feb. 15.

Billfold or similar article. H. I. Thomas. 152,756, Feb. 15.

Blade, Airplane propeller. A. P. Leahy. 152,705, Feb. 15.

Boat or similar article. C. Price. 152,736, Feb. 15.

Bottle or similar article. E. N. Graham. 152,685, Feb. 15.

Bottle, Perfume. A. Newman. 152,723, Feb. 15.

Bottom member for milk bottle carrying cases and the like. E. R. Erickson. 152,683, Feb. 15.

Bracelet. L. D. Kline. 152,704, Feb. 15.

Bracelet or similar article. A. Philippe. 152,729, Feb. 15.

Bracelet or similar article. A. Philippe. 152,733, Feb. 15.

Brooch or similar article. H. Bergé. 152,669, Feb. 15.

Brooch or similar article. M. Duvalet. 152,679–80, Feb. 15.

Brooch or similar article. A. Kats. 152,694–7, Feb. 15.

Brooch or similar article. A. Kats. 152,700, Feb. 15.

Building. J. A. King. 152,703, Feb. 15.

Burner or similar article, Heating oil. R. W. Beckett. 152,668, Feb. 15.

Cabinet combination, Radio and table. W. Schier and D. L. Doggett. 152,748, Feb. 15.

Cabinet or similar article, Gas console heater. H. D. Edwards. 152,682, Feb. 15.

Cabinet, Phonograph. R. E. Brandenburger, Sr. 152,670, Feb. 15.

Candle, Decorative artificial. G. W. Kellogg. 152,702, Feb. 15.

Cap or similar article, Container. G. Pavlinets. 152,724, Feb. 15.

Case, Match book. R. T. Sporman. 152,751, Feb. 15.

Clip or similar article, Ear. M. Duvalet. 152,681, Feb. 15.

Clip or similar article, Pin. A. Kats. 152,698, Feb. 15.

Compact, Beauty. S. Payne. 152,725, Feb. 15.

Container, Ink. R. O. Letsch. 152,707, Feb. 15.

Cooky jar or similar article. V. de Marsa. 152,676, Feb. 15.

Cooler, Water. S. O. Morrison. 152,722, Feb. 15.

Cruise board. C. H. Clark. 152,673, Feb. 15.

Cutter, Vegetable. E. P. De Vault. 152,677, Feb. 15.

Dummy for testing parachutes. W. U. Hohwieler. 152,690, Feb. 15.

Earring or similar article. A. Kats. 152,699, Feb. 15.

Engine or similar article, Internal-combustion. C. E. Leja. 152,706, Feb. 15.

Extinguisher, Fire. A. B. Meyer. 152,718, Feb. 15.

Fan, Electric. H. G. Ullman. 152,758, Feb. 15.

Finding for jewelry. A. Kats. 152,701, Feb. 15.

Fish lure. J. L. McCollum. 152,713, Feb. 15.

Fishing lure. J. A. Mackey. 152,715, Feb. 15.

Flashlight. A. W. Miller. 152,719, Feb. 15.

Goggle or the like, Sun. H. C. Richards. 152,737, Feb. 15.

Grille and bumper, Combined motor vehicle. E. Macauley. 152,714, Feb. 15.

Handbag. A. C. Williams. 152,762, Feb. 15.

Hand saw, Rotary power. F. D. Dolan and L. Vavrik. 152,678, Feb. 15.

Handle, Saw. F. Weaver. 152,760, Feb. 15.

Hanger, Clothes. H. S. Hammond. 152,688, Feb. 15.

Holder, Album. R. P. Henn. 152,689, Feb. 15.

Housing, Solderer. W. J. Humpal and B. G. Reimers. 152,691, Feb. 15.

Instrument, Writing. C. L. Metzler. 152,717, Feb. 15.

Jewelry pendant or similar article. M. Chernow. 152,672, Feb. 15.

Jug. E. M. Rosenthal. 152,740–6, Feb. 15.

Knife and utility tool, Sportsman's combination. J. X. Peterson. 152,727, Feb. 15.

Lamp, Book-holding. M. M. Lund. 152,711, Feb. 15.

Light and illuminable house numeral indicator, Combined porch. D. R. Pennell. 152,726, Feb. 15.

Light, Emergency automobile. J. Feltz. 152,684, Feb. 15.

Light or similar article, Portable signal. E. C. Briggs. 152,671, Feb. 15.

Light, Taxicab cruising. F. J. Toomey. 152,757, Feb. 15.

Marine vessel. W. Costa. 152,674, Feb. 15.

Medal or similar article. T. H. Jones. 152,692, Feb. 15.

Medallion or similar article. T. H. Jones. 152,693, Feb. 15.

Necklace or like article. H. Steinbach. 152,752, Feb. 15.

Necklace or similar article. A. Philippe. 152,728, Feb. 15.

Necklace or similar article. A. Philippe. 152,730–2, Feb. 15.

Necklace or similar article. A. Philippe. 152,734–5, Feb. 15.

Opener, Can. L. F. Mead. 152,716, Feb. 15.

Phonograph or the like, Portable upright. S. F. Louchheim. 152,710, Feb. 15.

Pliers. K. F. Swallow. 152,754, Feb. 15.

Propeller, Aircraft. E. G. McCauley and S. M. Gamsu. 152,712, Feb. 15.

Rack and desk unit, Combination pen. P. Rossi. 152,747, Feb. 15.

Shaker, Cocktail. A. Cravaritis. 152,675, Feb. 15.

Shaker, Condiment. D. A. Rode. 152,739, Feb. 15.

Shears. H. C. Wheeler. 152,761, Feb. 15.

Shoe. D. Teitelbaum. 152,755, Feb. 15.

Slicer or the like, Cheese. W. Sellkoff and W. B. McBride. 152,749, Feb. 15.

Slicer, Vegetable. N. K. Morris. 152,721, Feb. 15.

Sofa. J. Mont. 152,720, Feb. 15.

Table. L. Guild and C. G. Towne. 152,686–7, Feb. 15.

Tool, Cuticle. D. S. Levnaich. 152,708, Feb. 15.

Toy pistol. P. Lim. 152,709, Feb. 15.

Undershoe. H. Shapiro. 152,750, Feb. 15.

Urn unit for cremated remains. W. H. Warren. 152,759, Feb. 15.

Visor, Vehicle windshield. H. C. Riemann. 152,738, Feb. 15.

LIST OF INVENTIONS

Chain: *See*—
Emergency tire chain.

Child's shampoo support. R. L. Lafield. 2,461,744, Feb. 15.

Child's table. A. G. Biggerstaff. 2,461,715, Feb. 15.

Chuck. L. S. Chadwick. 2,461,628, Feb. 15.

Crystalline sodium penicillin, Obtaining a. O. Wintersteiner and H. B. MacPhillamy. 2,461,949, Feb. 15.

Culvert forming machine. M. L. Eckman. 2,462,038, Feb. 15.

Cushion, A. Rothery. 2,462,004, Feb. 15.

Cushion or back rest. F. J. Curran. 2,461,880, Feb. 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adapter, Water meter reducing. M. T. Bullock. 2,461,516, Feb. 15.
Adhesive and coating composition. F. B. Speyer. 2,461,704, Feb. 15.
Adhesive composition containing an isobutene-diolefin rubbery copolymer and a resin occurring in Utah resin-bearing coal. L. J. Radi. 2,461,552, Feb. 15.
Adhesive composition containing polychloroprene rubber and a resin occurring in Utah resin-bearing coal. L. J. Radi. 2,461,553, Feb. 15.
Adhesive compositions. L. M. Perry. 2,462,029, Feb. 15.
Adjustable spacer bar. R. J. Moths. 2,461,996, Feb. 15.
Aerator. E. C. Lathrop and S. I. Aronovsky. 2,461,746, Feb. 15.
Aircraft wing mounting. A. H. Leonard and J. H. Blandford. 2,461,747, Feb. 15.
Airplane wing arrangement. P. Barker. 2,461,805, Feb 15.
Airscrew, Variable pitch. R. H. Warde. 2,461,791, Feb. 15.
Air separation method for slurry separation. A. B. Andersen and K. Horn. 2,461,584, Feb. 15.
Alcohol mixed esters, Polyhydric. B. C. Pratt. 2,461,920, Feb. 15.
Alcohol resin and making the same, Furfuryl. E. R. Dillehay and R. D. Schuetz. 2,461,882, Feb. 15.
Alcohols and formals, Production of halogenated. T. E. Londergan. 2,461,906, Feb. 15.
Alkali metal borohydrides, Preparation of. H. I. Schlesinger and H. C. Brown. 2,461,663, Feb. 15.
Alkali metal compounds, Preparation of. H. I. Schlesinger and H. C. Brown. 2,461,661–2, Feb. 15.
Alpha amino acids to alpha hydroxy acids, Conversion of. P. R. Shildneck. 2,461,701, Feb. 15.
Alpha, beta-unsaturated guanamines. J. T. Thurston. 2,461,943, Feb. 15.
Alternating current brake motor. J. H. Nelson and H. Servis. 2,461,759, Feb. 15.
Amines and fuels containing the same, Aromatic. J. W. Orelup. 2,461,917, Feb. 15.
Amines to nitramines, Converting secondary. G. F. Wright and W. J. Chute. 2,462,062, Feb. 15.
Amino trimethyl hexanoic acids and their lactams. A. V. Snider and R. C. Morris. 2,462,008, Feb. 15.
Amino trimethyl hexenoic acids and their lactams. R. C. Morris and A. V. Snider. 2,462,009, Feb. 15.
Antibiotic extraction from solids of actinomyces griseus culture. G. W. Rake, W. L. Koerber, and R. Donovick. 2,461,922, Feb. 15.
Antioxidants for fatty materials, Production of. L. O. Buxton and C. E. Dryden. 2,461,808, Feb. 15.
Antiplumming agents for photographic emulsions. E. B. Knott and J. Morgan. 2,461,987, Feb. 15.
Antisiphon valve. T. C. Mahon. 2,461,830, Feb. 15.
Antispasmodic composition. H. M. Rabinowitz. 2,461,921, Feb. 15.
Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,801, Feb. 15.
Apparatus and method for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,802–3, Feb. 15.
Apparatus and method for studying wave propagations. R. Gunn. 2,461,543, Feb. 15.
Apparatus for applying plastic material to cables. L. W. Lovett, S. S. Sherrill, and A. Stiegler. 2,461,647, Feb. 15.
Apparatus for detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,800, Feb. 15.
Apparatus for frequency multiplication of alternating electric currents. A. H. B. Walker. 2,461,861, Feb. 15.
Apparatus for heating and circulating spray material. D. J. Peeps. 2,461,766, Feb. 15.
Apparatus for making pile fabrics. V. A. Victor. 2,461,860, Feb. 15.
Apparatus for measuring high resistance. J. Rasek. 2,461,923, Feb. 15.
Apparatus for molding wax. J. V. Cowan. 2,461,723, Feb. 15.
Apparatus for separating suspended particles from gases. J. L. Burdock, P. F. Best, and C. B. McBride. 2,461,677, Feb. 15.
Apparatus for storing and dispensing stacked articles. W. J. Gibbs. 2,461,638, Feb. 15.
Apparatus for the permanent waving of hair. O. Elsässer and C. Ronsi. 2,461,883, Feb. 15.
Apparatus for vulcanising articles. A. N. Gray. 2,461,600, Feb. 15.
Apparatus for washing the side seams of can bodies. W. McK. Martin, W. F. Pilinik, and D. E. Wobbe. 2,461,559, Feb. 15.
Arc starter, Automatic. N. E. Anderson. 2,461,798, Feb. 15.
Ash receiver with suction discharge, Vehicle. R. L. Gill. 2,461,815, Feb. 15.
Ash tray, Self-luminous. H. H. Jacobs. 2,461,549, Feb. 15.
Asphalt with improved adhesion properties for aggregates. H. G. M. Fischer. 2,461,971, Feb. 15.
Automobile transport van. A. J. Schaldach and V. A. Blackburn. 2,461,927, Feb. 15.
Azeotropic distillation of wide-boiling-range hydrocarbon fractions. G. R. Lake and J. M. Stribley. 2,462,025, Feb. 15.
Backwash for water-treating systems, Auxiliary. H. Wolcott. 2,461,619, Feb. 15.
Balancer, Dynamic. G. T. Hemmeter. 2,461,643, Feb. 15.
Balancing machine. H. E. Kallmann. 2,461,645, Feb. 15.
Bar: *See*—
Adjustable spacer bar.
Barrel, Flow. E. B. Barnes. 2,461,512, Feb. 15.
Barrette. N. L. Solomon. 2,461,934, Feb. 15.
Base, Snap-on bottle. P. A. Derham. 2,461,968, Feb. 15.
Bearings, Making composite. R. G. Olt. 2,461,765, Feb. 15.
Belt, High-speed. E. Nassimbene. 2,461,654, Feb. 15.
Beverage dispenser. W. W. Bowman. 2,462,019, Feb. 15.
Blanket for horses, Saddle. N. H. Humphrey. 2,461,899, Feb. 15.
Boiler assembly, Sectional. A. J. Gallaher. 2,461,597, Feb. 15.
Box: *See*—
Folding box. Jewelry box.
Bracket for automobiles, Fish pole. J. W. Hopkins. 2,461,897, Feb. 15.
Brake mechanism, Booster. O. M. Whitten. 2,462,015, Feb. 15.
Braking arrangements for direct current motors, Dynamic. G. F. W. Powell. 2,461,919, Feb. 15.
Bubble cap mounting. H. C. Glitsch. 2,461,729, Feb. 15.
Bucket holder. T. Kowalski. 2,461,825, Feb. 15.
Building and structural unit therefor, Demountable. A. G. Omar. 2,461,916, Feb. 15.
Buffer, Manicurist. A. Sorrell. 2,461,781, Feb. 15.
Burner and support therefor, Gas. M. L. Mosier. 2,461,913, Feb. 15.
Butadiene-styrene copolymer cements, Manufacture of. E. G. Bargmeyer. 2,461,954, Feb. 15.
Button, Cuff link or cuff. C. I. Osterberg. 2,461,845, Feb. 15.
Cable clamp. H. A. Einhart. 2,461,725, Feb. 15.
Can for frozen foods or the like, Preset pressure. R. Lo Vico. 2,461,557, Feb. 15.
Candle. M. C. Hussey. 2,461,822, Feb. 15.
Cannister shell. D. F. Linsley. 2,461,555, Feb. 15.
Cap: *See*—
Composite bottle cap. Dispensing closure cap.
Car: *See*—
Railway sleeping car.
Carboxylic substituted aliphatic amines and metallic salts thereof, Producing. F. C. Bersworth. 2,461,519, Feb. 15.
Cargo and combat pack. J. W. Cull and E. Nilsson. 2,461,526, Feb. 15.
Carload bracing spur cleat. W. T. Peyton. 2,461,767, Feb. 15.
Cartridge case. E. C. Fletcher. 2,461,539, Feb. 15.
Case: *See*—
Cartridge case.
Case with sight openings, Eyeglass. T. E. Weaver. 2,461,792, Feb. 15.
Caster. W. F. Schacht. 2,461,778, Feb. 15.
Caster, Knock down. J. W. Montgomery, Sr. 2,461,652, Feb. 15.
Catalyst regeneration process, Solid bed. F. C. Neuhart. 2,461,838, Feb. 15.
Catalytic hydrogenation of trilsobutylene. R. C. Brandon. 2,461,959, Feb. 15.
Cell, Leak resistant electrical. G. B. Ellis. 2,461,534, Feb. 15.
Cellular resin material, Making. L. E. Nye. 2,461,761, Feb. 15.
Cellulose esters, Ripening. R. D. Rowley and R. F. Thompson. 2,461,572, Feb. 15.
Cellulose lace-backing fabrics, Nitrating. J. Datlow. 2,461,632, Feb. 15.
Cellulosic repair putty, Low shrinking. C. W. Johnson. 2,461,900, Feb. 15.
Centrifugal machine, Balancing. T. H. Reid. 2,461,773, Feb. 15.
Centrifugal pump. G. P. E. Howard and A. Ivanoff. 2,461,821, Feb. 15.
Centrifuge apparatus for obtaining blood plasma. W. Aronson. 2,461,674, Feb. 15.

Chain: *See*—
Emergency tire chain.
Child's shampoo support. R. L. Lafield. 2,461,744, Feb. 15.
Child's table. A. G. Biggerstaff. 2,461,715, Feb. 15.
Chuck. L. S. Chadwick. 2,461,628, Feb. 15.
Circuit: *See*—
Regulator circuit.
Circuit arrangement for producing a sine wave voltage from a pulse waveform. L. W. Germany. 2,461,637, Feb. 15.
Circuit unit, Electric. R. R. Roup. 2,461,658, Feb. 15.
Circuits, Frequency response. R. W. Beckwith. 2,461,956, Feb. 15.
Clamp: *See*—
Cable clamp. Welser's clamp.
Clamp for cement form panels. A. J. Harder. 2,461,733, Feb. 15.
Clarifying mash. A. J. Strohmaier and C. L. Lovell. 2,461,938, Feb. 15.
Cleaning apparatus, Egg. A. U. Bryant. 2,461,960, Feb. 15.
Cleat for shoes, Detachable. J. R. Wright. 2,461,671, Feb. 15.
Clothesline prop. F. E. Kuff. 2,461,607, Feb. 15.
Clutch and brake mechanism. K. Clark. 2,461,629, Feb. 15.
Coating apparatus, Automatic spray. J. A. Paasche. 2,461,657, Feb. 15.
Coating of metal strip, Method and apparatus for the electrolytic. E. T. Lorig. 2,461,556, Feb. 15.
Coffee filter. J. E. Hooper. 2,461,736, Feb. 15.
Color stabilisation of vinyl halide resins. F. W. Cox and J. M. Wallace, Jr. 2,461,531, Feb. 15.
Comb, Hair-treating. M. G. Usal. 2,461,789, Feb. 15.
Communication system, Carrier-wave. H. M. Lewis. 2,461,646, Feb. 15.
Compact. A. Wewetzer. 2,461,711, Feb. 15.
Composite bottle cap. D. L. Spender. 2,462,010, Feb. 15.
Composition comprising a rubbery copolymer of butadiene and styrene and a resin occurring in Utah resin-bearing coal. E. D. Lee and L. S. Engle. 2,461,551, Feb. 15.
Composition for fluoroscopic observation and roentgenography. E. H. Slaybaugh. 2,461,702, Feb. 15.
Compositions of matter and methods and steps of making and using the same. M. T. Harvey. 2,461,810, Feb. 15.
Compressor, Multistage. D. M. Smith and C. G. Lloyd. 2,461,931, Feb. 15.
Compressor unloading means. W. F. Gibson. 2,462,039, Feb. 15.
Computer, Compound angle. F. M. Williamson. 2,461,795, Feb. 15.
Condensation products of tri-(beta-aminoethyl)-amine and beta-diketones or hydroxy methylene ketones. L. A. Hamilton and C. J. Pedersen. 2,461,894, Feb. 15.
Condenser motor. W. F. Boelsums. 2,461,717, Feb. 15.
Conductor, Coaxial. L. H. Morin. 2,461,834, Feb. 15.
Conductors to glass envelope walls, Sealing. P. H. Craig. 2,462,020, Feb. 15.
Connection for brake rods and the like, Resilient. G. B. Dorey. 2,461,633, Feb. 15.
Connector: *See*—
Electrical connector.
Container. Walton B. and William B. Crane, Jr. 2,461,879, Feb. 15.
Container and cap sealing means, Readily releasable liquid. P. Guagliano. 2,461,893, Feb. 15.
Container and cover. C. D. Magnesen. 2,461,908, Feb. 15.
Container and manufacture. A. B. Wilson. 2,461,581, Feb. 15.
Continuous rotary drum filter. T. R. Komline. 2,461,824, Feb. 15.
Control apparatus with flexible control elements. M. N. Yardeny. 2,462,033, Feb. 15.
Control arrangement for absorption refrigeration systems. A. A. Berestneff. 2,461,513, Feb. 15.
Control for gaseous fuel burners, Safety. P. L. Bets. 2,461,714, Feb. 15.
Control for power brakes, Trailer hand. F. R. Allin and F. D. Wyss. 2,461,712, Feb. 15.
Control for presses, Safety. N. S. McEwen. 2,461,753, Feb. 15.
Control means for centrifugals. C. A. Olcott. 2,461,764, Feb. 15.
Control mechanism for sewing machines and the like. P. B. Clark. 2,461,520, Feb. 15.
Control valve. B. E. Horne. 2,461,982, Feb. 15.
Converting rotary to intermittent oscillating motion. T. Harris and E. C. Swilik. 2,461,641, Feb. 15.
Copolymers of butadiene and styrene, Compounding. E. G. Bargmeyer. 2,461,953, Feb. 15.
Cot and making same, Finger. J. C. Finegan. 2,461,970, Feb. 15.
Cot, Finger. E. W. Beatty. 2,461,872, Feb. 15.
Coupling: *See*—
Sealed coupling. Self-sealing releasable coupling.
Self-sealing coupling.
Coupling. A. T. Schelwer. 2,461,699, Feb. 15.
Coupling. S. H. Zeeb. 2,461,863, Feb. 15.
Covering, Infant's bed. F. Mallette. 2,461,749, Feb. 15.
Cradle and perambulator, Combination. H. B. Light. 2,461,609, Feb. 15.
Crystal violet, Preparation of. G. S. Herrick. 2,461,896, Feb. 15.
Crystalline sodium penicillin, Obtaining a. O. Wintersteiner and H. B. MacPhillamy. 2,461,949, Feb. 15.
Culvert forming machine. M. L. Eckman. 2,462,038, Feb. 15.
Cushion, A. Rothery. 2,462,004, Feb. 15.
Cushion or back rest. F. J. Curran. 2,461,880, Feb. 15.
Cushioning support. L. F. Thiry. 2,462,011, Feb. 15.
Cutout for automotive engines, Safety. J. Malir, Jr. 2,461,692, Feb. 15.
DDT, Stabilization of. G. A. Stein and M. Tishler. 2,461,852, Feb. 15.
Degassing and grain refining of magnesium. K. Strauss. 2,461,937, Feb. 15.
Degradation of the side-chain of a steroid containing a nuclear α,β-unsaturated keto group. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,912, Feb. 15.
Degradation of the side-chain of steroids and steroids suitable therefor. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,910–11, Feb. 15.
Degradation of the side-chain of steroids and steroids suitable therefor. K. Miescher, H. Frey, C. Meystre, and A. Wettstein. 2,461,911, Feb. 15.
Dehydrator. R. L. Puccinelli. 2,461,770, Feb. 15.
Dehydrofluorination of polyfluoroalkanes. D. D. Coffman and R. D. Cramer. 2,461,523, Feb. 15.
Detachable oven door. G. Klein. 2,461,902, Feb. 15.
Detecting and measuring radiant energy for locating subterranean petroleum deposits. W. Armstrong. 2,461,799, Feb. 15.
Device for restoring to shape the walls of deformed sheet-metal boxes and their lids. T. R. Neutelings. 2,461,839, Feb. 15.
Device for solving equations. W. C. Johnson. 2,461,738, Feb. 15.
Dies for extruding externally finned tubes, Producing. A. W. Hallberg. 2,461,640, Feb. 15.
Dinette set. W. C. Dierickx. 2,461,694, Feb. 15.
Discharge device, Electron. R. K. Gessford. 2,461,728, Feb. 15.
Dispenser: *See*—
Beverage dispenser.
Dispenser and advertising device, Combined paper. A. Szalka. 2,461,706, Feb. 15.
Dispensing closure cap. R. C. Wright. 2,461,620, Feb. 15.
Dispensing device, Tube. H. G. Giles. 2,461,891, Feb. 15.
Dispersions of vinyl chloride resins. R. W. Quarles and C. I. Spessard. 2,461,613, Feb. 15.
Display device. E. N. Farkas. 2,461,536, Feb. 15.
Distributor for refrigerating systems, Liquid. J. R. Boyle. 2,461,876, Feb. 15.
Di-threonine, Preparation of. A. C. Shabica. 2,461,847, Feb. 15.
Door: *See*—
Detachable oven door.
Double-acting centrifugal pump. D. Murphy. 2,461,835, Feb. 15.
Dough rounder. C. B. Seem. 2,461,929, Feb. 15.
Drier: *See*—
Hair drier.
Drill: *See*—
Rock drill.
Drive, Motor. W. H. Rouse. 2,461,859, Feb. 15.
Dump, Rotary. E. Ramsay. 2,461,771, Feb. 15.
Dyeing of resins with polyhydroxy alcohol assistants. H. C. Olpin and A. J. Weeson. 2,461,612, Feb. 15.
Dynamoelectric machine. I. Kalikow. 2,461,985–6, Feb. 15.
Edge lighting unit. J. C. Dixon. 2,461,532, Feb. 15.
Educational device. W. P. Russell. 2,461,926, Feb. 15.
Electric contact device. E. F. Hansen. 2,461,980, Feb. 15.
Electric heating. A. P. Wiegand. 2,462,016, Feb. 15.
Electric iron. W. H. McLelland and E. J. Ajax. 2,461,550, Feb. 15.
Electric switch. W. J. Cuthbertson and L. S. Schell, Jr. 2,461,965, Feb. 15.
Electrical connector. G. W. Clark. 2,462,036, Feb. 15.
Electrical resistances, Insulated. J. Stockdale and D. E. Rison. 2,461,935, Feb. 15.
Electrical system. D. E. Sunstein. 2,461,667, Feb. 15.
Electrode assembly for electron-discharge tubes. P. W. Stutsman. 2,461,578, Feb. 15.
Electrode securing means. W. L. Krahl. 2,461,743, Feb. 15.
Electrodepositing composition and process. A. G. Gray, W. F. Gresham, and D. J. Loder. 2,461,507, Feb. 15.
Electrolytes in physiologically active materials, Removal or replacement of. F. K. Daniel. 2,461,505, Feb. 15.
Electrolytic recording. H. G. Greig. 2,461,892, Feb. 15.
Emergency tire chain. H. P. Huffman and E. B. Snively. 2,461,737, Feb. 15.
Enclosure for tractors. L. Flora. 2,461,974, Feb. 15.
Engine: *See*—
Internal-combustion engine.
Engine starting device. C. E. Streed. 2,461,784, Feb. 15.
Epoxy tetramethylol methane and polymerisation products thereof. J. A. Wyler. 2,462,048, Feb. 15.
Ethylene, Conversion of. S. J. Hetzel and R. M. Kennedy. 2,461,820, Feb. 15.
Exerciser and amusement device for infants. E. de Ferrari. 2,461,682, Feb. 15.

2,461,559. Feb. 15.

Aronson. 2,461,674, Feb. 15.

Extension joint. G. F. Lomeline. 2,461,828, Feb. 15.
Exterior form for use in molding burial vaults and the like. J. S. Schopf. 2,461,928, Feb. 15.
Extracting device for bakery products. H. J. Harker. 2,462,021, Feb. 15.
Fastening. D. K. Macleod. 2,461,648, Feb. 15.
Fatty materials, Stabilization of. L. O. Buxton and C. E. Dryden. 2,461,807, Feb. 15.
Faucet and adjustable flow restrictor, Beverage. S. J. McClure. 2,461,909, Feb. 15.
Feed control means, Traverse. H. T. Tornberg. 2,461,855, Feb. 15.
Feeder: *See*—
  Poultry feeder.
Film, Rubber hydrochloride. L. E. Cheyney. 2,461,963, Feb. 15.
Filter: *See*—
  Coffee filter.
  Continnuous rotary drum filter.
Filters, Producing. J. Wulff. 2,462,045, Feb. 15.
Fire-retarding compositions. E. K. Fischer. 2,461,538, Feb. 15.
Firing mechanism. L. A. Skinner and J. A. Folse. 2,461,574, Feb. 15.
Fish lure. M. C. Miller. 2,461,755, Feb. 15.
Fixture, Contact. C. W. P. Walter. 2,461,616, Feb. 15.
Fixture, Fluorescent lighting. J. Terr. 2,461,786, Feb. 15.
Flame hardening apparatus. A. L. Hartley and A. H. Davis. 2,461,784, Feb. 15.
Flashlight. O. Doose. 2,461,634, Feb. 15.
Floating roof storage tank. A. S. Feild. 2,461,537, Feb. 15.
Fluid control device. D. G. Taylor. 2,461,615, Feb. 15.
Fluid control valve. W. A. Ray. 2,461,772, Feb. 15.
Fluorescent products and preparation thereof. B. S. Ellefson. 2,461,726, Feb. 15.
Fluorocarbon, Aromatic. W. B. Ligett, E. T. McBee, and V. V. Lindgren. 2,461,554, Feb. 15.
Flushing device. G. A. Norman. 2,461,656, Feb. 15.
Foldable reel. J. C. Hancock. 2,461,979, Feb. 15.
Folding box. A. Whittaker. 2,461,618, Feb. 15.
Footrest. N. Alikas. 2,461,622, Feb. 15.
Foul ball indicator. A. K. Nelson. 2,461,836, Feb. 15.
Frame: *See*—
  Ring spinning frame.
Frequency reducer, Magnetic. H. J. McCreary. 2,461,992, Feb. 15.
Friction element comprising discrete particles of insoluble furfuraldehyde ketone resin. M. T. Harvey. 2,461,508, Feb. 15.
Fuels, Method and apparatus for emulsifying. S. B. Wicser and V. R. Kokatnur. 2,461,580, Feb. 15.
Fumigant application system, Automatic grain. T. C. Manning. 2,461,649, Feb. 15.
Gaff, Folding. R. W. Sutton. 2,461,941, Feb. 15.
Gallery, Shooting. W. A. Tratsch. 2,461,788, Feb. 15.
Garment hanger. J. Hiebert. 2,461,686, Feb. 15.
Gate, Starting. E. M. Smith, C. E. Whittaker, and J. S. Goodwin. 2,461,790, Feb. 15.
Gauge: *See*—
  Gripper gauge.
Gauge for collocating pipe sections. C. J. Stark. 2,461,783, Feb. 15.
Gear: *See*—
  Retractable landing gear.
Generator: *See*—
  Sawtooth wave generator.
  Telephone ringing current generator.
Glass articles, Making fibrous. M. E. Nordberg. 2,461,841, Feb. 15.
Golf swing trainer. L. M. Krautter. 2,461,826, Feb. 15.
Gluten containing compositions. L. Lowen. 2,461,829, Feb. 15.
Gripper gauge. R. G. Lynn. 2,461,661, Feb. 15.
Guard for cutouts, Fuse. D. C. Hubbard. 2,461,898, Feb. 15.
Guide and pilot, Adjustable drill. L. F. Blatt. 2,461,716, Feb. 15.
Gun for spraying powder. D. L. Lott. 2,461,611, Feb. 15.
Hair drier. A. Květoň. 2,461,689, Feb. 15.
Hammer, Power-driven. G. C. Robinson. 2,461,571, Feb. 15.
Handbag sounding device. A. S. Cooper. 2,461,588, Feb. 15.
Handgrip control. T. Obsarny and J. J. Rowell. 2,461,997, Feb. 15.
Handle: *See*—
  Tool handle.
Hanger: *See*—
  Garment hanger.
Hanger device for automobile windows. C. C. Coons. 2,461,722, Feb. 15.
Harmonicon, Chromatic. A. Borel. 2,461,806, Feb. 15.
Hay stacker device. O. F. Fitch. 2,461,978, Feb. 15.
Headgear. F. D. Huntsman. 2,461,605, Feb. 15.
Heating system, Hot water. L. R. Robertson. 2,461,774, Feb. 15.
Holder: *See*—
  Bucket holder.
  Knitting needle holder.
  Microtome blade holder.
  Stick holder.
  Storage battery holder.
  Universal gauge holder.
Holder and lipstick, Lipstick. A. E. Vaughn. 2,461,790, Feb. 15.
Holder for photographic enlargers, Film. W. D. Thompson. 2,461,668, Feb. 15.
Honing or the like machine. F. W. Whitehead and W. G. Lovering. 2,461,948, Feb. 15.
Hose, Steam. J. M. Flounders. 2,461,594, Feb. 15.
Hour-increment hour hand setting mechanism. J. P. Graef. 2,461,599, Feb. 15.
Hull, Boat. M. A. Hall. 2,461,819, Feb. 15.
Hydrocarbon fluids, Treating. L. S. Bonnell. 2,461,958, Feb. 15.
Hydrocarbon oil with catalysts, Process and apparatus for the treatment of. A. D. Smith. 2,461,932, Feb. 15.
Hydrocarbon separation by azeotropic distillation. A. C. McKinnis. 2,461,993, Feb. 15.
Hydrogen peroxide distillation after removal of organic peroxides. P. L. Kooijman. 2,461,988, Feb. 15.
Implement, Shaving. A. R. Towers. 2,461,858, Feb. 15.
Indicator: *See*—
  Foul ball indicator.
  Magnetostrictive pressure indicator.
Inhibiting foam formation in an aqueous gas-liquid system. L. O. Gunderson. 2,461,730, Feb. 15.
Innersole and making the same. F. L. Ayers. 2,461,713, Feb. 15.
Inspection system. C. de Brabander. 2,461,592, Feb. 15.
Instrument for geophysical exploration. T. Zuschlag. 2,461,864, Feb. 15.
Internal-combustion engine. M. H. Moores. 2,461,757, Feb. 15.
Interpolymers of styrene, allylic fumarate, and allylic alcohol, Treating. C. A. Heiberger. 2,461,735, Feb. 15.
Ion exchange material, Regeneration of. F. K. Daniel. 2,461,506, Feb. 15.
Iron: *See*—
  Electric iron.
Iron assembly, Electric. W. H. McLelland and E. J. Ajax. 2,461,562, Feb. 15.
Iron ores, Froth flotation of. R. B. Booth and E. C. Herkenhoff. 2,461,875, Feb. 15.
Isomerization of a low-boiling saturated hydrocarbon. F. E. Frey. 2,461,540, Feb. 15.
Isomerization of paraffins. J. D. Gibson. 2,461,598, Feb. 15.
Isomerization process. H. J. Hepp. 2,461,545, Feb. 15.
Isomerization process, Paraffin. J. L. Richmond. 2,461,568, Feb. 15.
Isomerizing a low-boiling isomerizable saturated hydrocarbon. F. E. Frey. 2,461,541, Feb. 15.
Jewelry box. S. Trachtenberg. 2,461,787, Feb. 15.
Joint: *See*—
  Extension joint.
  Rotary joint.
  Transmission belt joint.
Joint. M. H. Alldredge. 2,461,866, Feb. 15.
Joint. J. H. Booth. 2,461,626, Feb. 15.
Ketones with formaldehyde, Condensation of. H. Wittcoff. 2,462,031, Feb. 15.
Knitting machine. G. O. Young. 2,461,583, Feb. 15.
Knitting machine, Circular. F. Staples. 2,461,851, Feb. 15.
Knitting machine, Warp. F. Lambach. 2,461,550, Feb. 15.
Knitting needle holder. A. A. Y. Giovanini. 2,461,816, Feb. 15.
Latching means for tractor hitch bars. J. R. Estes. 2,461,885, Feb. 15.
Leaks in drill stems, Detecting. R. I. Gardner. 2,461,727, Feb. 15.
Light control for projectors, Multiple lens. R. J. Anschicks, C. Widell, and J. R. Mantsh. 2,461,673, Feb. 15.
Lighter, Cigarette. C. M. Fox. 2,461,890, Feb. 15.
Liner for opposed piston engines, Cylinder. H. Steiner. 2,461,853, Feb. 15.
Link, Safety. R. L. Hobler. 2,462,041, Feb. 15.
Liquids from carbon monoxide and hydrogen, Synthesis of. J. K. Roberts. 2,461,570, Feb. 15.
Lock protector. N. M. Budak. 2,461,676, Feb. 15.
Low-reflecting surfaces on optical elements, Forming. F. H. Nicoll. 2,461,840, Feb. 15.
Lowering and handling apparatus for burial vaults. C. L. Berg. 2,461,675, Feb. 15.
Lubricating composition. J. P. Buckmann and L. L. Neff. 2,461,961, Feb. 15.
Machine and method for manufacture of shoes. J. Fossa. 2,461,889, Feb. 15.
Machine for die-forming sheet metal blanks, Mass production. A. Illsche. 2,461,688, Feb. 15.
Machine for forming and joining snap fastener tapes. J. P. Treciokas. 2,461,944, Feb. 15.
Machine for locating screwheads with respect to drills. M. J. Carpinella. 2,462,036, Feb. 15.
Machine for stuffing newspapers or similar sheet material assemblages. P. Schweitzer. 2,461,973, Feb. 15.
Machine rotor construction, Dynamoelectric. W. J. Morrill. 2,461,566, Feb. 15.

Machine tool. N. P. Darash. 2,461,631, Feb. 15.
Machine tool working head. F. G. Hansen. 2,461,732, Feb. 15.
Magnetostrictive pressure indicator. A. M. Feller. 2,461,635, Feb. 15.
Manganic sulfate paste in organic oxidations, Recovery and recycling of. B. G. Zimmerman. 2,462,050, Feb. 15.
Manicuring accessory. W. J. McMahon. 2,461,695, Feb. 15.
Manufacture of carbon black. W. Loving. 2,462,026, Feb. 15.
Marker with means to limit the swinging movement of the marker plate, Cattle. W. F. Schacht. 2,461,777, Feb. 15.
Measuring device for shafts, Torque and power. F. W. Godsey, Jr. 2,461,685, Feb. 15.
Mechanism for parachute harnesses. Quick release. F. J. Sullivan. 2,461,785, Feb. 15.
Metal, Corrosion-resisting thermostat. P. G. Chace. 2,461,518, Feb. 15.
Metallising composition. C. J. Christensen, M. D. Rigterink, and A. W. Treptow. 2,461,878, Feb. 15.
Meter having coordinated meter pointer and calculating disk, Exposure. R. Simpson. 2,461,930, Feb. 15.
Meter setter. W. E. Ford. 2,461,888, Feb. 15.
Micrometer, Differential screw. E. E. Modes. 2,461,995, Feb. 15.
Micropermeameter for measuring the permeability of oil field cuttings. H. J. Weige. 2,462,014, Feb. 15.
Microtome blade holder. R. R. Allen. 2,461,621, Feb. 15.
Mixing apparatus. R. L. Cawood and B. W. Richardson. 2,461,720, Feb. 15.
Mold and refractory trough assembly, Separable. P. M. Payne. 2,461,999, Feb. 15.
Molding machine attachment, Dough. R. W. Baird. 2,461,868, Feb. 15.
Motion of machinery, Moving and controlling the. C. F. Brereton. 2,461,877, Feb. 15.
Motor: *See*—
  Alternating current brake motor.
  Condenser motor.
Motor and brake mechanism. G. D. Willets. 2,462,017, Feb. 15.
Motor fuels. H. G. M. Fischer. 2,461,972, Feb. 15.
Motor propelled toy vehicle. A. Adamczyk. 2,461,672, Feb. 15.
Mount for plastic extruders, Die. H. T. Tornberg. 2,461,856, Feb. 15.
Mounting: *See*—
  Aircraft wing mounting.
  Bubble cap mounting.
Mounting and control, Flaw detector. C. G. Kaehms. 2,461,984, Feb. 15.
Mounting for hooks and the like. R. A. Stone. 2,461,936, Feb. 15.
Multicolor printing press. O. R. Wolf. 2,462,032, Feb. 15.
Multiplex photographic equipment support. J. T. Pennington. 2,461,567, Feb. 15.
Multiplying apparatus. A. C. Hardy and E. C. Dench. 2,461,896, Feb. 15.
Necktie. A. F. Taborski. 2,461,854, Feb. 15.
Nitramines and their preparation. G. F. Wright and W. J. Chute. 2,461,582, Feb. 15.
Nitriles with amides and the production of beta-alamine, Condensation of. J. F. Olin. 2,461,842, Feb. 15.
Nut, Seal. J. E. Johanson and W. A. Yonkers. 2,462,023, Feb. 15.
Oil-acid modified alkyd material, Preparing. C. G. Moore. 2,461,564, Feb. 15.
Oil by-pass structure to avoid smoking of oil burners. J. A. Logan. 2,461,991, Feb. 15.
Oils, Deodorization of. K. McCubbin and C. R. Monical. 2,461,694, Feb. 15.
Operating table. G. A. Brewster. 2,461,627, Feb. 15.
Optical inspection apparatus for use in inspecting potentiometer cards. J. S. Stull. 2,461,939, Feb. 15.
Organic acids from carbonaceous material, Making. M. Kiebler. 2,461,740, Feb. 15.
Ornament, Detachable shoe heel. T. Gilmour. 2,461,977, Feb. 15.
Oscillator capacitance multivibrator, Relaxation. H. A. Bass. 2,461,871, Feb. 15.
Oxychloride cementatory material. E. D. F. Whitehead. 2,462,030, Feb. 15.
Package. L. L. Salfisberg. 2,461,660, Feb. 15.
Packaged meat and like products and process thereof. M. R. Coe. 2,461,522, Feb. 15.
Packaging. J. E. Hills. 2,461,981, Feb. 15.
Packaging apparatus. J. Riemer. 2,461,569, Feb. 15.
Packer, Well. D. C. Marler. 2,461,650, Feb. 15.
Pad: *See*—
  Shoulder pad.
Pallet, Fabricated. R. A. Fletcher. 2,461,887, Feb. 15.
Peeler, Impact type log. C. J. Robertson. 2,461,924, Feb. 15.
Peeler, Nut. H. J. Cook. 2,461,524, Feb. 15.
Pentaerythritol condensation products. J. A. Wyler. 2,462,047, Feb. 15.
Pentaerythritol conversion. J. A. Wyler. 2,462,049, Feb. 15.
Percussive tool. J. C. Curtis and E. G. Gartin. 2,461,527, Feb. 15.
Perforator, Can. C. E. Venne. 2,461,709, Feb. 15.
Petroleum gas system, Liquefied. S. L. Sundstrom. 2,461,940, Feb. 15.
Phase shifting apparatus. L. A. Meacham. 2,461,832, Feb. 15.
Phosphate minerals, Concentration of. J. B. Duke. 2,461,813, Feb. 15.
Phosphate minerals from their ores, Concentration of. E. W. Greene and J. B. Duke. 2,461,817, Feb. 15.
Phosphatides, Preparation of. R. A. Marmor and W. W. Moyer. 2,461,750–1, Feb. 15.
Pile splice. K. and R. Kershaw. 2,461,739, Feb. 15.
Pipe: *See*—
  Smoker's pipe.
Pipe connection. A. J. Hierts. 2,462,040, Feb. 15.
Plastic material extrusion head. G. Cezzo. 2,461,630, Feb. 15.
Plug: *See*—
  Spark plug.
Plunger, Expansible. L. Beeh. 2,461,873, Feb. 15.
Polyamine resinous composition and an ink made therefrom. F. E. Petke. 2,461,918, Feb. 15.
Polyisobutylene, Oxidised. G. H. B. Davis. 2,461,966, Feb. 15.
Polymerised unsaturated substances, Conjointly. A. M. Howald and J. L. Jones. 2,462,042, Feb. 15.
Polymers and copolymers of propiolates. J. G. Lichty. 2,461,990, Feb. 15.
Pop-up waste valve. M. F. De Grave and J. Calladine. 2,461,812, Feb. 15.
Portable golf tee support. H. D. Hendricks. 2,461,601, Feb. 15.
Potentiometer. W. J. Opocensky. 2,461,843, Feb. 15.
Poultry feeder. A. W. Corrigan. 2,461,525, Feb. 15.
Powder composition, Fuse. G. C. Hale and D. Hart. 2,461,544, Feb. 15.
Press: *See*—
  Multicolor printing press.
Print-handling device. L. P. Martinek. 2,461,831, Feb. 15.
Projection apparatus, Visual observation and silhouette. G. D. Armerding. 2,461,623, Feb. 15.
Projector, Disk picture. R. S. Moore. 2,461,756, Feb. 15.
Protective device. F. D. Huntsman. 2,461,604, Feb. 15.
Protector: *See*—
  Lock protector.
  Yarn protector.
Pulse echo systems and pulse indicating means. F. G. Patterson. 2,461,998, Feb. 15.
Pump: *See*—
  Centrifugal pump.
  Double-acting centrifugal pump.
  Self-priming centrifugal pump.
  Sanitary pump.
Pump. H. E. Adams. 2,461,865, Feb. 15.
Pump and valve mechanism, Combination. L. Lee, II. 2,461,827, Feb. 15.
Rack for household utensils. P. D. Starr. 2,462,051, Feb. 15.
Railway sleeping car. G. K. Murphy. 2,462,027, Feb. 15.
Ramp, Loading. C. O. Christensen. 2,461,678, Feb. 15.
Razor and blade magazine therefor, Safety. E. A. Nelson. 2,461,914, Feb. 15.
Reacting a piperylene with a halo substituted maleic anhydride. A. M. Clifford and C. E. Gleim. 2,461,679, Feb. 15.
Reaction propelled device for operation through water. F. Zwicky. 2,461,797, Feb. 15.
Receiver connection in electroacoustic duplex system. O. Tschumi. 2,461,945, Feb. 15.
Receptacle closure. A. N. Spanel. 2,461,703, Feb. 15.
Reel: *See*—
  Foldable reel.
  Reinforced thread-advancing reel.
  Thread advancing reel.
Reel support. W. R. Spiller and L. D. Barley. 2,461,665, Feb. 15.
Refrigerant deoiler. E. F. Vilter. 2,462,012, Feb. 15.
Refrigeration system, Self-defrosting. P. J. Gaylor. 2,461,636, Feb. 15.
Refrigeration system with controls therefor, Multiple. A. B. Newton. 2,461,760, Feb. 15.
Regulator: *See*—
  Vacuum regulator.
  Voltage regulator.
Regulator circuit. F. E. Crever. 2,461,964, Feb. 15.
Reinforced thread-advancing reel. R. W. Stanley. 2,461,576, Feb. 15.
Releasing mechanism for time fuses. R. H. Whitehead. 2,461,793, Feb. 15.
Resinous esters of higher fatty acids with pentaerythritols and making. J. A. Wyler. 2,462,046, Feb. 15.
Retarder, Aerodynamic. L. J. Devlin and E. H. Heinemann. 2,461,967, Feb. 15.
Retractable landing gear. E. E. Foster. 2,461,595, Feb. 15.
Rhodium alloy coatings and making same. P. T. and J. A. Smith. 2,461,933, Feb. 15.
Ring and traveler, Spinning. H. E. Herr. 2,461,546, Feb. 15.
Ring for rotary kilns, Sealing. F. A. Mertz. 2,461,754, Feb. 15.
Ring spinning frame. A. A. Worth and H. S. Adams. 2,461,952, Feb. 15.
Road engaging means for automobiles. A. J. Cawley. 2,461,719, Feb. 15.

Rock drill. J. C. Curtis and E. G. Gartin. 2,461,528.
Stripping of emulsion polymerization latices. W. W.

Vacuum regulator. T. J. Sullivan. 2,461,666, Feb. 15.
Wave-signal apparatus, Frequency-stabilized. A. E. Hayes, Jr. 2,461,642, Feb. 15.

Rock drill. J. C. Curtis and E. G. Gartin. 2,461,528, Feb. 15.
Rock drill. J. C. Curtis and E. G. Gartin. 2,461,530, Feb. 15.
Roller arrangement for pallet trucks, Auxiliary supporting. I. F. Schreck. 2,462,007, Feb. 15.
Rotary ball valve. J. L. Waters. 2,461,617, Feb. 15.
Rotary joint. C. Schmitter and S. M. Kies. 2,462,006, Feb. 15.
Sadiron assembly. W. H. McLelland and E. J. Ajax. 2,461,561, Feb. 15.
Safe, Fire and burglar proof. W. Thain. 2,461,708, Feb. 15.
Sander, Road. E. J. Schall. 2,461,779, Feb. 15.
Sanitary pump. W. E. Bakewell. 2,461,624, Feb. 15.
Saw setting machine. C. Stadick. 2,461,782, Feb. 15.
Sawtooth wave generator. L. L. Johnson. 2,462,024, Feb. 15.
Saws, Portable power-driven tree felling circular. J. R. Crawford. 2,461,589, Feb. 15.
Scaffold and scaffold construction element. J. B. O'Donnell. 2,461,762, Feb. 15.
Scoreboard. P. Cusano. 2,461,811, Feb. 15.
Sea animal products, Treating. E. Mathiesen. 2,461,651, Feb. 15.
Seal. W. Noble. 2,461,655, Feb. 15.
Seal, Bearing. C. D. Magnesen. 2,461,907, Feb. 15.
Seal, Diaphragm-type. V. E. Vorhees. 2,461,710, Feb. 15.
Sealed coupling. A. T. Scheiwer. 2,461,700, Feb. 15.
Seam, Invisible. B. Gottlieb. 2,461,542, Feb. 15.
Sear-releasing mechanism for firearms, Automatic. D. M. Williams. 2,461,670, Feb. 15.
Securing means for furniture, Top. J. R. Jones. 2,461,823, Feb. 15.
Self-priming centrifugal pump. H. E. Rupp. 2,461,925, Feb. 15.
Self-sealing coupling. F. Hague. 2,461,618, Feb. 15.
Self-sealing releasable coupling. D. F. Stranberg. 2,461,708, Feb. 15.
Sensitive element for space speed, track and angle of attack indicators. M. L. Clopton. 2,461,521, Feb. 15.
Sewing machine. A. H. Weis. 2,461,862, Feb. 15.
Sewing machine. N. Wonnacott and C. R. Backlin. 2,461,951, Feb. 26.
Shaft with inclinable cutter-blade, Cutter. E. B. Hedman. 2,462,022, Feb. 15.
Sharpener, Knife. K. K. Leong. 2,461,690, Feb. 15.
Shaving brush heating means. P. Rowan. 2,461,776, Feb. 15.
Shield for use with respirators, Face. G. H. Schauweker. 2,462,005, Feb. 15.
Shingle. M. G. O'Reilly. 2,462,028, Feb. 15.
Shoe, Collector. A. Morningstar. 2,461,696, Feb. 15.
Shoulder pad. A. Diamond. 2,461,881, Feb. 15.
Shovel, Mechanical mine shaft. A. O. Hall. 2,461,978, Feb. 15.
Shovel, Vehicle mounted. R. J. Nadherny. 2,461,653, Feb. 15.
Showcase with display racks therein. F. A. Saunders. 2,461,698, Feb. 15.
Sight glass assembly. G. Le Roy. 2,461,989, Feb. 15.
Sinker for fishing lines. D. P. Mercier. 2,461,833, Feb. 15.
Skid corrector, Automatic. R. G. Dosé. 2,461,533, Feb. 15.
Sleeve expanding device with integral wedge and piston rod, Metal. W. J. Morrill. 2,461,565, Feb. 15.
Slicer, Cheese. C. L. Wilquin. 2,461,796, Feb. 15.
Sludge handling and disposal system. E. F. Fisher. 2,461,814, Feb. 15.
Smoker's-pipe. D. P. Lavietes. 2,461,905, Feb. 15.
Socket, Telltale lamp. B. E. Carlson. 2,461,962, Feb. 15.
Spacer for tractors, Wheel. S. D. Jarrett. 2,461,983, Feb. 15.
Spark plug. L. H. Crook. 2,461,590, Feb. 15.
Spindle, Automatic locking. H. T. Tornberg. 2,461,857, Feb. 15.
Spray gun for coating the interior of conduits. J. C. Carnevale. 2,461,517, Feb. 15.
Spray outfit, Electrically operated. E. D. Rapisarda. 2,462,001, Feb. 15.
Sprayer for centrifugals, Automatically controlled. E. G. Kochli and C. A. Olcott. 2,461,741, Feb. 15.
Spraying system. I. V. Zeck. 2,462,034, Feb. 15.
Spring: *See*—
Vehicle spring.
Sprinkler, Oscillating water. J. T. Porter. 2,461,768, Feb. 15.
Stand or holder, Christmas tree. W. H. Looker. 2,461,748, Feb. 15.
Stapling machine. J. Balton. 2,461,869, Feb. 15.
Steering mechanism for two-wheeled tractors or the like. H. C. French. 2,461,596, Feb. 15.
Sterile liquids, Handling. N. M. Nesset. 2,461,837, Feb. 15.
Stick holder. L. D. Overland. 2,461,844, Feb. 15.
Stitching machine, Sole. C. Carlino. 2,461,587, Feb. 15.
Storage battery holder. C. H. McConnell. 2,461,752, Feb. 15.
Strap, Wrist watch. F. R. McAloon. 2,461,693, Feb. 15.
Stripping of emulsion polymerization latices. W. W. Waterman. 2,462,013, Feb. 15.
Structure for aircraft surfaces, Hinge. J. M. Lang. 2,461,745, Feb. 15.
Sulfurised phenolic tanning agents and their manufacture. V. Kartaschoff. 2,461,901, Feb. 15.
Support: *See*—
Child's shampoo support. Portable golf tee support.
Cushioning support. Reel support.
Multiplex photographic equipment support. Vibration absorbing support.
Support for electric sadirons. J. A. Cragan. 2,461,681, Feb. 15.
Support for electrical fixtures. J. E. Williams. 2,461,794, Feb. 15.
Supporting column. J. C. Curtis. 2,461,810, Feb. 15.
Switch: *See*—
Electric switch.
Switch. A. and S. Sserlip. 2,461,707, Feb. 15.
Switch attachment, Flush toggle. R. E. Seaman. 2,461,614, Feb. 15.
Switch construction, Automatic. W. O. Schultz. 2,461,846, Feb. 15.
Synthetic sutures and the like, Manufacturing. J. P. Hollihan, Jr. 2,461,602, Feb. 15.
Table: *See*—
Child's table. Operating table.
Table and chair combination. W. C. Dierickx. 2,461,683, Feb. 15.
Table for moving individually separated eggs across a light source, Egg inspection. J. R. Clark. 2,461,721, Feb. 15.
Tank: *See*—
Floating roof storage tank.
Tank roof. P. Offenhauser. 2,461,763, Feb. 15.
Tape, Sealing and reinforcing. L. Davis and E. C. Tuukkanen. 2,462,037, Feb. 15.
Telephone ringing current generator. H. M. Huge. 2,461,547, Feb. 15.
Telescopic structure. G. O. Benson. 2,461,625, Feb. 15.
Television system, Color. A. B. Bronwell. 2,461,515, Feb. 15.
Tension device for rubber covering machines. O. F. Neidel. 2,462,043, Feb. 15.
Tertiary alkyl amides, Making. M. T. Harvey and S. Caplan. 2,461,509, Feb. 15.
Testing camera synchronisers. H. D. Simons. 2,461,848, Feb. 15.
Textile material, Patterned. R. L. Hunter and R. D. Cramer. 2,461,603, Feb. 15.
Thermostatic control. E. F. Kurts. 2,461,903, Feb. 15.
Thermostatic control. V. G. Vaughan. 2,461,904, Feb. 15.
Thread advancing reel. R. W. Stanley. 2,461,575, Feb. 15.
Tip for cutting tools, Cutting. H. J. Read. 2,462,002, Feb. 15.
Tire-protecting skid. R. Moss. 2,461,758, Feb. 15.
Tool: *See*—
Machine tool. Undercutting tool.
Percussive tool.
Tool. A. Thomas. 2,461,579, Feb. 15.
Tool handle. D. C. Filiatreault, Jr. 2,461,886, Feb. 15.
Toolholder. P. J. Ulick. 2,461,946, Feb. 15.
Torch, Preheating liquid fuel. C. R. Guth. 2,461,731, Feb. 15.
Toy. E. C. Hillhouse. 2,461,644, Feb. 15.
Toy building blocks with closure panes. O. P. Erhardt. 2,461,535, Feb. 15.
Tracer with power-driven steerable traction wheel. N. E. Anderson. 2,461,585, Feb. 15.
Track, Vehicle. C. O. Slemmons and R. W. Smith. 2,461,849, Feb. 15.
Tractor vehicle. C. O. Slemmons. 2,461,850, Feb. 15.
Trailer, Collapsible. J. H. Stark, Jr. 2,461,577, Feb. 15.
Transformer. P. Berger. 2,461,957, Feb. 15.
Transfusion apparatus. J. E. Meagher. 2,461,558, Feb. 15.
Transmission belt joint. A. J. Vasselli. 2,461,859, Feb. 15.
Transmission, Nonequalizing-torque differential. R. R. Randall. 2,462,000, Feb. 15.
Transmitter and receiver self-synchronous system, Electronic relay. B. J. Baecher. 2,461,511, Feb. 15.
Trestle. J. L. Posun and L. Houghton. 2,461,769, Feb. 15.
Tripod leg. H. Neuwirth. 2,461,915, Feb. 15.
Trough, Screened eaves. C. R. Lord. 2,461,610, Feb. 15.
Tubing of predetermined desired characteristics, Making flattened thermoplastic. E. D. Fuller. 2,461,975, Feb. 15.
Tubing of predetermined desired characteristics, Making flattened thermoplastic. B. H. Schenk. 2,461,976, Feb. 15.
2 or 4-amino quinazolines. F. J. Wolf. 2,461,950, Feb. 15.
Undercutting tool. L. Weber. 2,461,947. Feb. 15.
Universal gauge holder. E. H. Rose. 2,462,003, Feb. 15.
Up-twister. R. Bouvet. 2,461,586, Feb. 15.

Vacuum regulator. T. J. Sullivan. 2,461,666, Feb. 15.
Valve: *See*—
Antisiphon valve. Pop-up waste valve.
Control valve. Rotary ball valve.
Fluid control valve.
Valve control apparatus. M. B. Laing. 2,461,608, Feb. 15.
Valve for expansible chamber meters, Compound motion distributing. D. S. Willson. 2,462,044, Feb. 15.
Valve mechanism. J. C. Curtis and E. G. Gartin. 2,461,529, Feb. 15.
Vapor generation and puffing with audible effects in toys. W. R. Smith. 2,461,664, Feb. 15.
Variable inductance device. W. L. Atwood. 2,461,804, Feb. 15.
Vehicle: *See*—
Motor propelled toy vehicle. Tractor vehicle.
Vehicle axle suspension. F. W. Avila. 2,461,867, Feb. 15.
Vehicle spring. C. Bohlen, Jr. 2,461,874, Feb. 15.
Vehicle spring suspended half-axle for supporting steerable wheels. D. G. Roos. 2,461,775, Feb. 15.
Vibration absorbing support. H. M. Dodge. 2,461,969, Feb. 15.
Viewer, Film. A. J. Bruno. 2,461,718, Feb. 15.
Vinyl chloride-alkyl ester of unsaturated dicarboxylic acid copolymer sponge composition. W. T. L. Ten Broeck, Jr. 2,461,942, Feb. 15.
Voltage regulator. J. L. Bowers. 2,461,514, Feb. 15.
Wave-signal apparatus, Frequency-stabilized. A. E. Hayes, Jr. 2,461,642, Feb. 15.
Welder's clamp. F. P. Hopfeld. 2,461,687, Feb. 15.
Wheel. E. Kostka. 2,461,742, Feb. 15.
Wheel balancing machine. L. C. Currier. 2,461,591, Feb. 15.
Wind for fishing reels, Level. L. S. Elsinger. 2,461,884, Feb. 15.
Winding machine. F. A. Decker, Jr. 2,461,593, Feb. 15.
Window for automobiles, No-draft ventilating. S. C. Barnes. 2,461,955, Feb. 15.
Window shade construction. C. G. Barrows. 2,461,870, Feb. 15.
Window structure of protective devices. F. D. Huntsman. 2,461,548, Feb. 15.
Wing control for aircraft, Variable incidence. M. R. Wiley. 2,461,669, Feb. 15.
Wire terminal. J. F. Merkel. 2,461,994, Feb. 15.
Work supporting means for heat treating furnaces. H. F. Jackson. 2,461,606, Feb. 15.
Wrench for shoe calks, Combined socket and spanner grip. J. G. Grigalunas. 2,461,639, Feb. 15.
Wrench with threaded nut holding member. P. T. Cousino. 2,461,680, Feb. 15.
X-ray opaque marking means. W. H. Wood. 2,462,018, Feb. 15.
Yarn protector. R. H. Davidson. 2,461,724, Feb. 15.
Zinc electroplating. A. E. Chester and F. F. Reisinger. 2,461,809, Feb. 15.
Zinc from its ores, Recovery of. A. L. J. Queneau. 2,461,697, Feb. 15.

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 15, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

2— 8: 2,461,604
2,461,605
21: 2,461,573
2,461,970
153: 2,461,854
243: 2,461,543
268: 2,461,881
4— 135: 2,461,744
196: 2,461,812
5— 334: 2,461,749
8— 4: 2,461,612
120: 2,461,633
9— 6: 2,461,819
12— 51: 2,461,889
14— 73: 2,461,678
16— 20: 2,461,778
31: 2,461,852
18— 12: 2,461,856
14: 2,461,630
30: 2,461,723
43: 2,461,600
54: 2,461,602
57: 2,461,975
2,461,976
20— 2: 2,461,916
21— 109: 2,461,649
22— 134: 2,461,999
23— 14: 2,461,661
2,461,662
2,461,663
209.8: 2,462,026
24— 38: 2,461,830
73: 2,461,735
100: 2,461,845
265: 2,461,693
25— 130: 2,461,928
131: 2,461,733
2,461,995
26— 60: 2,461,603
28— 71.6: 2,461,575
2,461,576
29— 49: 2,461,681
95: 2,462,002
149.5: 2,461,765
194: 2,461,933
195.5: 2,461,518
261: 2,461,963
30— 16: 2,461,709
40: 2,461,914
43: 2,461,858
116: 2,461,796
33— 94: 2,461,795
166: 2,461,995
180: 2,461,783
34— 99: 2,461,669
35— 77: 2,461,926
36— 7.7: 2,461,671
22: 2,461,713
38— 79: 2,461,681
40— 3: 2,461,777
28: 2,461,706
41— 10: 2,461,977
42: 2,461,840
43— 5: 2,461,941
26: 2,461,833
40: 2,461,755
44— 69: 2,461,917
2,461,972
46— 25: 2,461,535
113: 2,461,664
130: 2,461,644
211: 2,461,572
47— 61: Pl.Pt.823
Pl.Pt.834
49— 79: 2,461,841
51— 109: 2,461,980
157: 2,461,948
206: 2,461,660
52— 2: 2,461,544
54— 66: 2,461,869
57— 6: 2,462,043
79: 2,461,952
116: 2,461,586
120: 2,461,546
58— 80: 2,461,599
60— 35.5: 2,461,707
97: 2,461,577
61— 53: 2,461,739
62— 1. 2,461,636
4: 2,461,760
113: 2,462,012
119: 2,461,513
126: 2,461,576
66— 84: 2,461,580
86: 2,461,583
67— 7.1: 2,461,800
22.5: 2,461,822
70— 416: 2,461,676
73— 38: 2,462,014
66: 2,461,561
2,461,645
67: 2,461,543
136: 2,461,685
141: 2,461,601
398: 2,461,635
74— 5.6: 2,461,521
70: 2,461,688
89: 2,461,541
232: 2,461,554
395: 2,461,851
486: 2,461,997
573: 2,461,643
711: 2,462,000
75— 67: 2,461,937
87: 2,461,697
76— 61: 2,461,782
107: 2,461,640
77— 21: 2,462,035
55: 2,461,716
58: 2,461,732
2,461,947
81— 90: 2,461,639
2,461,690
84— 377: 2,461,806
88— 1: 2,461,673
14: 2,461,939
14.6: 2,461,721
16.8: 2,461,718
23: 2,461,930
24: 2,461,623
2,461,666
27: 2,461,756
40: 2,461,621
41: 2,461,792
112: 2,461,548
89— 1.7: 2,461,574
140: 2,461,670
91— 43: 2,461,647
44: 2,461,517
45: 2,461,557
93— 39: 2,461,589
95— 7: 2,461,987
100: 2,461,831
99— 171: 2,461,822
178: 2,461,981
188: 2,461,651
102— 42: 2,461,555
43: 2,461,539
83: 2,461,793
103— 25: 2,461,592
37: 2,461,827
103: 2,461,821
104: 2,461,833
113: 2,461,965
2,461,925
218: 2,461,624
232: 2,461,512
105— 315: 2,462,027
369: 2,461,767
106— 30: 2,461,918
106: 2,462,030
135: 2,461,920
193: 2,461,900
269: 2,461,971
107— 9: 2,461,868
2,461,929
108— 8: 2,462,028
30: 2,461,610
109— 59: 2,461,708
112— 3: 2,461,587
11: 2,461,520
214: 2,461,862
258: 2,461,951
116— 99: 2,461,588
117— 122: 2,462,027
119— 15.5: 2,461,730
52: 2,461,525
121— 7: 2,461,527
9: 2,461,528
32: 2,461,530
41: 2,462,015
181: 2,462,044
122— 223: 2,461,597
123— 16: 2,461,737
25: 2,461,580
169: 2,461,500
173: 2,461,853
125— 33: 2,461,571
126— 194: 2,461,902
128— 146: 2,462,008
214: 2,461,538
131— 225: 2,461,905
132— 12: 2,461,789
33: 2,461,883
48: 2,461,934
76.5: 2,461,781
88.5: 2,461,695
88.7: 2,461,790
134— 82: 2,461,559
136— 133: 2,461,534
171: 2,461,752
137— 77: 2,461,727
139: 2,461,615
2,461,772
153: 2,461,530
138— 55: 2,461,594
140— 11: 2,461,959
143— 34: 2,461,589
144— 208: 2,461,924
238: 2,462,022
146— 13: 2,461,524
148— 12: 2,462,045
152— 233: 2,461,737
153— 2: 2,461,839
39: 2,462,038
80: 2,461,555
154— 1.1: 2,461,860
155— 123: 2,461,683
169: 2,461,622
174: 2,461,880
182: 2,462,004
158— 27.4: 2,461,731
36.3: 2,461,991
160— 90: 2,461,870
166— 12: 2,461,650
167— 74.5: 2,461,921
78: 2,461,505
2,461,837
95: 2,461,702
170—160.2: 2,461,791
171— 97: 2,461,547
209: 2,461,566
242: 2,461,804
252: 2,461,659
2,461,985
321: 2,461,986
327: 2,461,578
172— 36: 2,462,017
173— 269: 2,461,994
273: 2,461,687
328: 2,461,616
2,461,980
2,462,036
174— 29: 2,461,834
175— 183: 2,461,964
2,461,923
2,461,984
320: 2,461,903
2,461,904
177— 384: 2,461,536
178— 5.2: 2,461,515
178— 44: 2,461,832
179— 1: 2,461,945
180— 54: 2,461,974
79.4: 2,461,596
183— 81: 2,461,677
185— 37: 2,461,784
186— 156: 2,461,799
189— 36: 2,461,648
191— 49: 2,461,606
192— 18: 2,461,629
129: 2,461,753
195— 80: 2,461,922
196— 52: 2,461,932
2,461,908
200— 6: 2,461,965
2,462,033
51.14: 2,461,707
60: 2,461,634
81.5: 2,461,692
85: 2,462,041
127: 2,461,898
146: 2,461,846
172: 2,461,614
201— 55: 2,461,843
67: 2,462,016
76: 2,461,935
202— 42: 2,461,993
2,462,025
46: 2,461,604
2,462,013
52: 2,461,988
139: 2,461,584
204— 2: 2,461,892
26: 2,461,556
54: 2,461,507
56: 2,461,809
206— 19.5: 2,461,815
44: 2,461,787
46: 2,461,660
209— 166: 2,461,813
2,461,817
2,461,875
210— 42.5: 2,461,938
52: 2,461,814
67: 2,461,741
73: 2,461,754
76: 2,461,773
144: 2,461,619
162: 2,461,736
199: 2,461,824
211— 89: 2,462,051
214— 1.1: 2,462,021
23: 2,461,770
52: 2,461,771
131: 2,461,553
2,461,973
141: 2,461,978
215— 41: 2,461,703
43: 2,462,010
74: 2,461,620
218— 6: 2,461,944
219— 23: 2,461,776
25: 2,461,560
2,461,561
2,461,562
39: 2,461,774
220— 26: 2,461,763
31: 2,461,711
40: 2,461,983
46: 2,461,908
82: 2,461,989
85: 2,461,537
89: 2,461,557
222— 1: 2,462,019
101: 2,461,891
148: 2,461,766
193: 2,461,611
223— 89: 2,461,686
224— 5: 2,461,816
8: 2,461,526
42.45: 2,461,722
2,461,907
48: 2,461,879
225— 1: 2,461,909
229— 5.7: 2,461,581
52: 2,461,618
230— 26: 2,462,039
114: 2,461,981
233— 26: 2,461,674
235— 61: 2,461,793
2,461,808
123: 2,461,811
236— 21: 2,461,714
68: 2,461,608
80: 2,461,982
237— 9: 2,461,666
240— 2.18: 2,461,532
78: 2,461,799
242— 18: 2,461,593
46.2: 2,461,857
84.4: 2,461,884
104: 2,461,979
130: 2,461,724
134: 2,461,665
158: 2,461,555
244— 38: 2,461,747
45: 2,461,805
48: 2,461,609
102: 2,461,595
113: 2,461,967
130: 2,461,745
248— 11: 2,461,567
48: 2,461,748
120: 2,461,887
125: 2,462,003
191: 2,461,915
205: 2,461,794
210: 2,461,825
223: 2,461,936
346: 2,461,968
353: 2,461,807
354: 2,461,810
358: 2,461,969
2,462,011
250— 8: 2,461,646
16: 2,461,658
27: 2,461,637
2,461,956
27.5: 2,461,578
2,462,020
36: 2,461,871
2,462,024
41.5: 2,461,585
71: 2,461,549
2,461,848
83.6: 2,461,799
2,461,800
2,461,801
2,461,802
2,461,803
108: 2,462,018
159: 2,461,728
162: 2,461,743
1— 9: 2,461,617
91: 2,461,529
252— 32.7: 2,461,961
189: 2,461,506
301.6: 2,461,726
321: 2,461,730
419: 2,461,838
254— 136: 2,461,675
259— 43: 2,461,746
95: 2,462,034
96: 2,461,720
260— 2.5: 2,461,761
2,461,942
22: 2,461,564
2,461,920
2,462,046
27: 2,461,551
2,461,552
2,461,553
28: 2,461,538
29.1: 2,462,029
31.8: 2,461,613
37: 2,461,508
45.4: 2,462,042
45.75: 2,461,531
260— 64: 2,461,510
78.5: 2,461,679
2,461,735
79.5: 2,461,953
2,461,954
80.7: 2,461,900
88.5: 2,461,882
94.8: 2,461,966
137: 2,461,901
230: 2,461,572
239: 2,462,008
2,462,009
247: 2,462,052
249.5: 2,461,943
251: 2,461,960
302: 2,461,949
333: 2,462,031
2,462,048
387: 2,461,896
397.1: 2,461,568
397.3: 2,461,911
2,461,912
397.5: 2,461,910
398.5: 2,461,807
2,461,808
403: 2,461,750
2,461,751
449.6: 2,461,570
455.1: Re.23,084
455.4: 2,461,842
467: 2,461,582
515: 2,461,740
521: 2,461,701
534: 2,461,519
2,461,847
558: 2,461,509
566: 2,461,894
615: 2,461,906
2,462,047
2,462,049
649: 2,461,852
650: 2,461,554
653: 2,461,523
666: 2,461,540
2,461,541
663.15: 2,461,820
663.5: 2,461,545
2,461,568
2,461,598
663.6: 2,461,949
687: 2,462,050
735: 2,461,963
736: 2,461,704
261— 114: 2,461,729
263— 47: 2,461,606
266— 4: 2,461,734
267— 56: 2,461,874
72: 2,461,632
5: 2,462,032
270— 55: 2,461,573
272— 57: 2,461,682
273— 33: 2,461,601
35: 2,461,826
101: 2,461,788
279— 6: 2,461,579
56: 2,461,948
69: 2,461,625
280— 31: 2,461,609
33.44: 2,461,885
44: 2,462,007
96.2: 2,461,775
104.5: 2,461,867
150: 2,461,758
283— 63: 2,461,536
284— 19: 2,461,700
2,461,705
2,461,818
2,461,940
285— 2: 2,461,828
3: 2,461,886
6.6: 2,461,725
10: 2,462,006
90: 2,461,586
96.1: 2,461,754

285— 123: 2,461,963
2,462,040
180: 2,461,516
169: 2,461,699
286— 9: 2,461,655
287— 58: 2,461,626
85: 2,461,626
90: 2,461,866
221— 19: 2,461,779
294— 87: 2,461,944
299— 68: 2,461,708
88: 2,462,001
301— 47: 2,461,719
63: 2,461,742
303— 54: 2,461,712
305— 10: 2,461,849
306— 34: 2,461,895
309— 4: 2,461,573
311— 1: 2,461,715
7: 2,461,637
108: 2,461,823
312— 164: 2,461,694
314— 68: 2,461,708
315— 92: 2,461,962
318— 23.5: 2,461,511
220: 2,461,717
379: 2,461,919
321— 66: 2,461,992
322— 24: 2,461,964
326— 22: 2,461,514
48: 2,461,967
332— 37: 2,461,642
2,461,667

285— 122:	2,461,993	287— 58:	2,461,626	299— 68:	2,461,788	305— 10:	2,461,849	312— 164:	2,461,694	321— 68:	2,461,992
	2,462,040	86:	2,461,625	88:	2,462,001	306— 34:	2,461,885	314— 66:	2,461,798	322— 24:	2,461,964
160:	2,461,516	90:	2,461,986	301— 47:	2,461,719	309— 4:	2,461,873	315— 92:	2,461,982	326— 22:	2,461,514
169:	2,461,699	291— 19:	2,461,779	63:	2,461,742	311— 1:	2,461,715	318— 23.5:	2,461,511	48:	2,461,957
286— 9:	2,461,655	294— 87:	2,461,944	303— 54:	2,461,712	7:	2,461,627	220:	2,461,717	332— 37:	2,461,542
11:	2,461,710	296— 1:	2,461,927	304— 2:	2,461,782	108:	2,461,823	370:	2,461,919		2,461,967
	2,461,907	27:	2,461,977	5:	2,461,769	312— 71:	2,461,835	482:	2,461,533	343— 13:	2,461,998
20:	2,462,023	44:	2,461,968	306— 8:	2,461,880	128:	2,461,998	321— 4:	2,461,861		

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,461,506:	262—189	2,461,610:	106—30	2,461,713:	26—22	2,461,816:	234—5	2,461,886:	306—34	2,461,957:	323—48
2,461,511:	318—23.5	2,461,613:	260—31.8	2,461,722:	224—42.45	2,461,822:	67—22.5	2,461,896:	260—397	2,461,966:	260—94.8
2,461,522:	99—171	2,461,617:	251—9	2,461,754:	285—98.1	2,461,825:	248—210	2,461,901:	260—137	2,461,968:	248—346
2,461,531:	260—45.75	2,461,626:	287—85	2,461,759:	196—186	2,461,827:	103—97	2,461,908:	220—46	2,461,979:	342—104
2,461,539:	240—2.13	2,461,629:	192—18	2,461,761:	260—2.5	2,461,837:	167—78	2,461,911:	260—397.3	2,461,980:	260—80.7
2,461,547:	171—97	2,461,637:	260—27	2,461,764:	210—73	2,461,838:	252—419	2,461,917:	44—68	2,461,982:	321—68
2,461,548:	88—112	2,461,642:	332—37	2,461,779:	291—19	2,461,839:	153—2	2,461,919:	315—279	2,461,995:	33—166
2,461,567:	248—11	2,461,646:	250—6	2,461,786:	240—73	2,461,843:	260—465.4	2,461,920:	260—22	2,462,000:	74—711
2,461,574:	89—1.7	2,461,649:	21—109	2,461,788:	272—101	2,461,845:	24—100	2,461,936:	248—223	2,462,011:	248—358
2,461,581:	220—5.7	2,461,661:	23—14	2,461,790:	132—88.7	2,461,851:	74—396	2,461,942:	260—2.5	2,462,019:	222—1
2,461,589:	143—34	2,461,662:	23—14	2,461,794:	248—205	2,461,861:	321—4	2,461,944:	218—6	2,462,039:	230—26
2,461,592:	103—25	2,461,667:	332—37	2,461,807:	260—398.5	2,461,876:	62—126	2,461,950:	260—251	2,462,045:	148—12
2,461,603:	26—69	2,461,690:	51—208	2,461,808:	260—398.5	2,461,882:	260—88.5	2,461,954:	260—79.5		

Classification of Designs

D 2— 3:	Des. 152,675	D20—19:	Des. 152,692	D44—22:	Des. 152,730	D45—19:	Des. 152,679	D56— 4:	Des. 152,710	D72— 1:	Des. 152,671
D 7— 7:	Des. 152,750		Des. 152,698	D45— 1:	Des. 152,701		Des. 152,680		Des. 152,745	D73— 1:	Des. 152,702
	Des. 152,755	D31— 4:	Des. 152,713	4:	Des. 152,704		Des. 152,694	D57— 1:	Des. 152,737	D74— 1:	Des. 152,747
D12— 1:	Des. 152,708		Des. 152,715		Des. 152,729		Des. 152,695	D58— 6:	Des. 152,685	6:	Des. 152,707
D14— 6:	Des. 152,738	D33— 2:	Des. 152,689		Des. 152,733		Des. 152,696	8:	Des. 152,723	17:	Des. 152,717
18:	Des. 152,714	8:	Des. 152,683	9:	Des. 152,681		Des. 152,697	13:	Des. 152,683	D81— 2:	Des. 152,666
D15—11:	Des. 152,720	14:	Des. 152,695		Des. 152,690		Des. 152,698	25:	Des. 152,676	10:	Des. 152,682
D16— 2:	Des. 152,718		Des. 152,687	18:	Des. 152,672		Des. 152,700	26:	Des. 152,724	D86—10:	Des. 152,708
D19— 1:	Des. 152,739	D34—15:	Des. 152,709	16:	Des. 152,726	D48—20:	Des. 152,711	D67— 4:	Des. 152,722		Des. 152,725
D22— 2:	Des. 152,716	D44—21:	Des. 152,740		Des. 152,730		Des. 152,726	D71— 1:	Des. 152,673	D87— 3:	Des. 152,756
3:	Des. 152,727		Des. 152,741		Des. 152,731	24:	Des. 152,719		Des. 152,674		Des. 152,762
	Des. 152,749		Des. 152,742		Des. 152,722	28:	Des. 152,751		Des. 152,690	D89— 1:	Des. 152,677
5:	Des. 152,761		Des. 152,743		Des. 152,734	32:	Des. 152,684		Des. 152,705		Des. 152,721
D26— 1:	Des. 152,753		Des. 152,744		Des. 152,735		Des. 152,757		Des. 152,706	D93— 3:	Des. 152,678
5:	Des. 152,691		Des. 152,745		Des. 152,732	D54—13:	Des. 152,754		Des. 152,712	4:	Des. 152,760
7:	Des. 152,758		Des. 152,746	19:	Des. 152,669	D56— 4:	Des. 152,670		Des. 152,736		

U. S. GOVERNMENT PRINTING OFFICE: 1949

February 22, 1949 Volume 619 Number 4

February 22, 1949 Volume 619 Number 4

Official Gazette

UNITED STATES PATENT OFFICE

Department of Commerce

CHARLES SAWYER, *Secretary*

U. S. Patent Office

LAWRENCE C. KINGSLAND, *Commissioner*

PUBLISHED WEEKLY BY AUTHORITY OF CONGRESS

Contents

	Page
Issue of February 22, 1949	850

Condition of Applications Under Examination at Close of Business Feb. 4, 1949

Total number of patent applications awaiting action, 154,467. Date of oldest new application, February 10, 1947; date of oldest amended application, May 25, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action	Applications awaiting action

Contents

	Page
Issue of February 22, 1949	850
Patents Expiring	850
Applications Under Examination	851
Decisions of the U. S. Courts	
In re Erickson	853
In re Ripper, Deceased, Etc.	855
Patent Suits	857
Notices	
Registration to Practice	858
Erratum	859
Adverse Decisions in Interferences	859
Disclaimers	859
Important Information	860
Register of Patents Available for Licensing or Sale	861
Trade-Marks	
Published (282 Applications)	865
Registrations Granted	904
Registrations Renewed	920
Registrations Canceled	922
Registrations Amended, Surrendered, Disclaimed, Corrected, etc.	923
Registrations Republished (252 Registrations)	924
Reissues	961
Plant Patents	961
Patents Granted	963
Designs	1156

February 22, 1949

Trade-Marks	38—No.	442,087 to No.	442,124,	inclusive
T. M. (Act of 1946)	321—No.	506,799 to No.	507,119,	inclusive
T. M. Renewals	61			
Reissues	2—No.	23,085 to No.	23,086,	inclusive
Plant Patents	5—No.	825 to No.	829,	inclusive
Patents	777—No.	2,462,053 to No.	2,462,829,	inclusive
Designs	86—No.	152,763 to No.	152,848,	inclusive
Total	1,290			

Patents expiring: Patent Numbers 1,846,011 to 1,847,065, inclusive, and Plant Patents Numbers 8 to 9, inclusive, issued February 23, 1932, expire February 23, 1949

Condition of Applications Under Examination at Close of Business Feb. 4, 1949

Total number of patent applications awaiting action, 154,467. Date of oldest new application, February 10, 1947; date of oldest amended application, May 25, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
1. GOLDBERG, A. J., Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry, Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	8-25-47	6-12-47	2028
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Presses; Tobacco; Textile Wringers	5-10-47	2-10-47	2894
3. MARMELSTEIN, N., Metal Founding and Treatment; Metallurgy (Process and Apparatus)	5-11-48	5-17-48	1199
4. BISHOP, WALTER C., Power Driven Conveyers; Hoists; Handling Apparatus; Excavating; Fire Escapes; Ladders; Scaffolds; Mining, Quarrying, and Ice Harvesting.	5-10-47	4-23-47	4186
5. ROBINSON, C. W., Harvesters; Bee Culture; Dairy; Knotters; Animal Husbandry; Butchering	1-19-48	1-13-47	1632
6. SUBLE, H., Carbon Chemistry (part)	3-24-48	1-13-48	1944
7. HANLIN, GEORGE, Optics; Photographic Apparatus	5-10-48	2-11-48	1614
8. LEWIS, R. O., Beds; Chairs, Seats; Racks, Cabinets; Miscellaneous Furniture	7-2-47	1-17-47	4442
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	8-15-47	4-7-47	2412
10. ANDRUS, L. M., Radiant Energy (part, e. g., Portable Radio Sets, Radio Accessories, Detectors, Oscillation Generators, Wave Meters, Tuners); Music; Modulators; Piezo-electric Crystals.	4-20-48	4-6-48	1879
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Cutlery, Leather Manufactures; Nailing and Stapling.	1-8-48	8-1-47	2047
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Motor Control with Clutch or Brake; Transmission with Clutch or Brake.	4-16-48	11-12-46	2180
13. BEALL, T. E., Gear Cutting, Milling, Planing, Metal Working (part); Needle and Pin Making; Turning	2-27-47	3-1-47	2304
14. FREEHOF, H. B., Metal Working (Bending; Sheet-Metal; Wire: Misc. Processes); Wire Fabrics; Farriery	3-15-48	1-8-48	1344
15. HENKIN, B., Plastics; Plastic Block and Earthenware Apparatus; Glass	3-12-48	7-16-47	1987
16. LOVEWELL, N. N., Television; Telephony	5-6-48	9-3-47	1680
17. HABECKER, LEON B., Paper Manufactures; Typewriters; Printing; Type Casting and Setting; Sheet Material Associating or Folding: Sheet or Web Feeding.	7-3-47	11-29-46	2188
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal-Combustion Engines.	2-10-48	1-25-47	2311
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	2-26-48	3-17-47	1837
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Bank Protection; Safes; Tents, Canopies, Umbrellas and Canes.	9-11-47	5-16-47	2088
21. MADER, R. C., Textiles	1-12-48	11-29-47	1369
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance; Ammunition and Explosive Devices (part)	3-16-48	3-11-47	1788
23. LEWIS, J. B., Cash Registers; Calculators and Counters; Education	4-23-48	1-8-47	1180
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Package and Article Carriers; Sewing Machines	1-3-48	1-2-48	2239
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	5-5-48	8-22-47	1788
26. YOUNG, R. B., Electricity—Generation, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
27. JAMES, S., Brushing, Scrubbing; Fluid Treatment of Textiles (Apparatus); Liquid Treatment of Solids; General Cleaning; Brush, Broom and Mop Making.	9-4-47	3-4-47	3315
28. BRAUNER, R. H., (Acting), Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides. Ways; Fluid Current Conveyers; Pneumatic Dispatch; Store Service.	4-30-48	2-12-48	908
29. SKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Woodworking; Tools	6-10-47	6-12-47	3282
30. BISHOFF, A., Automatic Temperature and Humidity Regulation; Thermostats and Humidostats; Heating and Heating Systems; Illuminating Burners; Ammunition and Explosive Devices.	5-5-48	5-5-48	962
31. DUNCOMBE, C. S., Mineral Oils; Carbocyclic or Acyclic Carbon Compounds (part)—e. g., Ketones, Aldehydes, Ethers, Hydroxy Compounds, Hydrocarbons, Halogenated Hydrocarbons.	6-1-48	6-1-48	2102
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating	6-19-47	11-5-46	2126
33. KAUFFMAN, H. E., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements	5-22-47	3-10-47	3754
34. SAPERSTEIN, S., Railways; Track Sanders; Signals and Indicators	12-8-47	3-29-47	1365
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	10-21-47	1-20-47	3540
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	3-13-47	1-8-47	2070
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	4-21-48	10-2-47	1495
38. ARNOLD, D., Coating Processes and Apparatus; Coating or Plastic Compositions (part); Rubber	1-21-48	1-9-48	1648
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	1-8-48	12-6-46	3186
40. DRUMMOND, E. J., Receptacles (part); Packages	3-15-48	3-25-47	3192
41. GURLEY, R. B., Check-controlled Apparatus; Coin Handling: Article Dispensing Cabinets; Deposit Receptacles, Buckles, Buttons, Clasps.	4-1-48	1-21-47	2297
42. MARANS, H., Telegraphy (part); Electric Signaling; Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	6-4-48	5-26-48	1095
43. STONE, L. G., Medicines, Poisons and Cosmetics; Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	5-21-48	3-23-48	1234
44. HARVEY, L. P., Refrigeration	2-10-47	1-14-47	1087
45. MANTER W. B., Shafting and Flexible Shaft Couplings; Wheels, Tires and Axles; Railway Wheels and Axles; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Animal Draft Appliances.	8-8-47	3-20-47	2008
46. MUSHAKE, W. I., Concentrating Evaporators; Fluid Sprinkling, Spraying and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Kitchen and Table Articles.	1-3-48	3-4-47	1841

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,467. Date of oldest new application, February 10, 1947; date of oldest amended application, May 25, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action: New	Amended	Applications awaiting action
47. HOFFMAN, E. G., Pipe Joints; Supports: Hangers; Bridges; Gates; Structural Steel Making; Metal Working (Miscellaneous Processes); Metal Treatment; Amusement Devices; Toys; Games; Archery; Rope Making; Knotting.	5-10-48	5-10-48	1200
48. HOFFMAN, J. D., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
49. HOWARD, W. L., Internal-Combustion Engines (part); Cylinders; Pistons; Spring, Weight and Horsepower Motors; Dumping Vehicles, Wheel Substitutes; Vehicle Fenders; Hand and Hoist Line Implements; Chutes, Skids, Guides. Ways; Fluid Current Conveyers; Pneumatic Dispatch; Store Service.	4-30-48	2-12-48	908
50. HUNTER, R. S., Electricity, Circuit Makers and Breakers	4-21-48	10-2-47	1495
51. JENNINGS, A. W., Electricity, Voltage Magnitude and Phase Control Systems; Variable Transformer and Reactor Structure.	6-4-48	5-26-48	1095
52. KAMM, W. E., Organic Compounds (part); Explosive Compositions; Sugar and Starch; Bleaching and Dyeing; Fluid Treatment of Textiles; Hides, Skins and Leathers.	5-21-48	3-23-48	1234
53. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
54. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
55. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
56. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
57. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
58. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
59. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
60. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
61. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
62. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
63. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
64. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
65. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
66. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
67. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
68. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
69. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
70. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
71. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
72. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
73. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
74. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
75. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
76. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
77. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
78. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
79. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
80. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
81. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
82. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
83. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
84. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
85. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
86. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
87. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
88. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
89. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
90. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
91. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
92. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
93. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
94. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
95. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
96. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
97. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
98. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
99. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167
100. KEARNEY, J. W., Electricity, Motive Power, Transmission to Vehicles; Elevators	4-7-48	4-18-47	1167

DECISIONS IN PATENT AND TRADE-MARK CASES

Condition of Applications Under Examination—Continued

Total number of patent applications awaiting action, 154,467. Date of oldest new application, February 10, 1947; date of oldest amended application, May 25, 1946.

PATENT EXAMINING DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
47. KANOF, WM. J., Motor Vehicles; Land Vehicles (part); Fluid Pressure Brakes	5-4-48	10-31-47	2182
48. BERNSTEIN, S., Electricity, General Applications; Electric Igniters	5-19-48	8-13-47	1464
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Textiles, Ironing or Smoothing; Wells; Earth Boring.	9-10-47	3-19-47	2226
50. LEVIN, SAMUEL, Synthetic Resins	6-2-48	2-27-48	2145
51. FRIEDMAN, M. H., Radiant Energy (part, e. g., Radio Transmission and Reception, Transmitters, Receivers, Antennae); Radiant Energy Communications.	5-5-48	2-10-48	1561
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits.	1-22-48	3-13-47	3810
53. BRINDISI, M. V., Label Pasting and Paper Hanging; Book Making; Manifolding; Printed Matter, Stationery; Paper Files and Binders; Closures, Partitions and Panels, Flexible and Portable Harness; Whip Apparatus.	10-27-47	12-13-46	2443
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	5-7-48	8-25-47	1609
55. HERTZ, M., Artificial Body Members; Dentistry; Surgery; Toilet	4-2-48	11-6-47	1811
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making; Liquid Separation or Purification	12-26-47	12-2-47	1854
57. MILLER, A. B., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Nut and Bolt Locks; Jewelry; Toys	3-8-47	4-14-47	3475
58. DOWELL, E. F., Abrading Processes and Apparatus; Food Apparatus; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	4-28-47	5-3-47	1917
59. SHEPARD, P. W., Inorganic Chemistry; Fertilizers; Gas, Heating and Illuminating; Preserving	1-30-48	6-6-47	1651
60. GLASS, R. L., Electricity—Heating; Welding; Furnaces; Battery Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	5-8-48	11-20-47	1220
61. LANNAN, J., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Boats, Buoys, Ships and Marine Propulsion.	2-15-47	10-10-46	3777
62. PUGH, E. C., Games; Tables; Amusement and Exercising Devices; Mechanical Guns and Projectors	3-11-48	8-7-47	1556
63. WINKELSTEIN, A. H., Fermentation; Foods and Beverages; Carbon Chemistry (part)	3-8-48	11-8-47	2014
64. NASH, P. M., Compositions—Coating or Plastic (part); Abrasive Tool Making Processes and Materials; Fuel and Miscellaneous.	7-16-48	7-9-48	1725
65. McDERMOTT, F. P., Batteries; Electrical Conductors, Conduits, Insulators and Connectors; Illumination	5-1-48	10-13-47	2307
66. LISANN, L., Geometrical Instruments	4-3-48	5-25-46	2084
67. KRAFFT, C. F., Laminated Fabrics; Photographic Processes and Products; Ornamentation	4-1-48	9-4-47	1981
68. BERMAN, H., Brakes, Boring and Drilling; Clutches and Power Step Control	6-21-48	1-16-48	1539
69. GALVIN, D. J., Electricity—Wave Transmission, Repeaters and Relays (e. g., Amplifiers), Galvanometers and Meters; Acoustics, Sound Recording; Recorders.	9-15-47	4-5-47	2217
70. BREWRINK, J. L., Chairman (Mechanical Arts); NILSON, R. G., (Electrical Arts); SPECK, J. R., (Chemical Arts).	9-26-47	6-11-47	1128
DEMERS: BREHM, G. L.	5-12-47	6-17-48	7124

Total number of trade-mark applications awaiting action (including renewals and republications), 37,311. Date of oldest new application, Oct. 27, 1947; date of oldest amended application, Mar. 9, 1948.

TRADE-MARK EXAMINING DIVISIONS, EXAMINERS AND TRADE-MARK CLASSES UNDER EXAMINATION	Oldest new application and oldest action by applicant awaiting Office action		Applications awaiting action
	New	Amended	
1. BARBOUR, H. E., Classes 1, 4, 5, 6 (part), 12, 21, 44	2-20-48	6-5-48	3171
2. KASCHUB, H. E., Classes 2, 15, 30, 33, 36, 46, 50	11-10-47	7-12-48	6439
3. SUMMERS, G. S., Classes 13, 21, 28, 29	10-27-47	3-9-48	5499
4. BARR, E., Classes 3, 7, 39, 40, 41, 42, 43	11-18-47	5-20-48	4894
5. RACKNOR, M., Classes 8, 17, 20, 24, 25, 32, 37, 38, 45, 47, 48, 49	1-15-48	7-15-48	4029
6. STERBA, J. R., Classes 6 (part), 9, 10, 11, 14, 22, 27, 28, 29, 34, 35	2-9-48	10-18-48	3643
7. KEYS, O. M., Classes 16, 19, 55	12-5-47	4-19-48	2353
8. GEDIMAN, H. W. { Renewals / Republications } All Classes	12-8-48	12-30-48	211
	3-3-48	12-30-48	7052

Appellant avoids the afore-mentioned condition and secures other advantages by using, instead of cane or beet sugar, a sweetening medium derived from fruit juice by treating the juice with chemicals which remove the acids and ash forming materials, thus producing a sirup which is sweeter than the juice itself and which has a sugar content con-

In refusing to read that definition into the expression "corrugated wire in strand form," appearing in the appealed claims, we said:

> Whatever of limitation there may be in this definition such limitation does not appear in the appealed claims and it is well settled that, while claims are to be read in the light of the specification, limitations set in the claims need not be considered even though the application disclosure would support such limitations. [Italics quoted.]

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ERICKSON

No. 5488. Decided December 7, 1948

[— F.2d —; 80 USPQ 94]

1. CLAIMS—CONSTRUCTION—LIMITATIONS NOT EXPRESSED.

It is well settled that the claims of a pending application are to be given the broadest interpretation which they will reasonably support and that limitations which are not expressed will not be read into them.

2. SAME—WORDS AND PHRASES—"SYRUP."

Held that the word "syrup" appearing in some of the claims does not distinguish from fruit juice.

3. PATENTABILITY—INVENTION—STATE OF THE ART.

Where the reference principally relied on appears to treat dried fruit with fruit juices, and the other references show it to be old to add various flavoring solutions to fresh fruit, *Held* that the application of fruit juices to fresh fruit does not involve invention.

4. SAME—SAME—SAME.

Where the specific application of appellant's idea set forth in certain claims is not found to be fairly suggested by the prior art, *Held* that, in view of this fact and of the advantageous result obtained, these claims are patentable over the references of record.

5. SAME—FRUIT COMPOSITION AND METHOD OF PREPARATION.

Certain claims to a fruit composition comprising fresh fruit and fruit juices *Held* properly rejected as defining nothing patentable over the prior art, while other claims limited to the treatment of fruit which is harvested before it is ripe *Held* patentable over the references of record.

APPEAL from the Patent Office. Serial No. 413,165.

MODIFIED.

Moore, Olson & Trexler (*Ballard Moore* and *Mark H. Clayton* of counsel) for Erickson.

W. W. Cochran (*Clarence W. Moore* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims, Nos. 17 to 24, inclusive, in appellant's application for a patent for an alleged invention relating to a food product and a method of preparing it.

Claims 17, 18, 19, 23, and 24 are product claims. Claims 20, 21, and 22 are process claims.

Claims 17, 18, and 21 are representative of the appealed claims. They read:

17. A fruit composition comprising a fresh fruit material and a readily blendable and compatible added sweetening medium derived from fruit and having substantially the same sugar composition as fruit and containing inert non-sugar constituents of fruit, said sweetening medium being of such blendability and compatibility with respect to the fruit material that it enters into immediate osmotic equilibrium with the fruit material thus to preserve the original appearance of the latter over long periods of time.

18. A fruit composition comprising fresh fruit harvested before it is ripe and a readily blendable and compatible added sweetening medium derived from fruit and having substantially the same sugar composition as fruit and containing inert non-sugar constituents of fruit, said sweetening medium being of such blendability and compatibility with respect to the fruit that it enters into immediate osmotic equilibrium with the fruit thus to preserve the original appearance of the latter over long periods of time, the quantity of said sweetening medium being present at least sufficient to give said fruit the ripe, sweet taste of fruit ripened before harvesting.

21. A method of preparing fruit compositions which comprises adding to fresh fruit harvested before it is ripe at least a sufficient quantity of a readily blendable and compatible sweetening medium to give the fruit material the ripe, sweet taste of fruit ripened before harvesting, said sweetening medium being derived from fruit and having substantially the same sugar composition as fruit, containing inert, non-sugar constituents of fruit, and being of such blendability and compatibility with respect to the fruit that it enters into immediate osmotic equilibrium with the fruit thus to preserve the original appearance of the latter over long periods of time.

The references are: Alexandrian, 772,018, October 11, 1904; Negrete, 1,243,964, October 23, 1917; Fritz-Williams, 1,402,847, January 3, 1922; Hunt, "Honey and its Uses in the Home," 1922, pp. 24–25; Cruess, "Commercial Fruits and Vegetable Products," 1924, pp. 66–67–263; Nichols, 1,550,321, August 18, 1925; Barlow, 1,717,489, June 18, 1929; Wickenden, 1,906,295, May 2, 1933.

Appellant's application relates to the preparation and preserving of fruits, and especially to the sirups used in such processes. It has been the conventional practice to employ sirups made from cane or beet sugars which, as stated in appellant's brief, are composed essentially of sucrose which, in turn, is made up of fructose (levulose) and glucose (dextrose). Sucrose, upon hydrolysis, yields equal quantities of dextrose and levulose. The mixture of levulose and dextrose resulting from the hydrolysis of sucrose is known as invert sugar. See Hackh's Chemical Dictionary, 1929, pp. 314, 382 and 387. The sugar found in fruits, as pointed out in appellant's brief, differs materially from cane and beet sugars, as regards the amounts of dextrose and levulose present. Accordingly, the addition of cane or beet sugar to fruit may cause a considerable interchange of sugars in solution before osmotic equilibrium is reached, and such interchange may adversely affect the fruit being treated.

Vol. 619 • No. 4 Tuesday, February 22, 1949 Price $17.50 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $17.50 per annum, including annual index, $21.00; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 25 cents each; copies of TRADE-MARKS and DESIGNS at 10 cents each. Address orders to the Commissioner of Patents, Washington 25, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

tion of appellant's idea is not found to be fairly suggested by the prior art and, in view of this fact, and of the advantageous result obtained, we are of opinion that claims 18, 21, and 22 are patentable over the references of record.

[5] For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to

prior art all of the claims, 15, 18, 20, 21, 22, 25, 26, 28, and 29, of an application for a patent, Serial No. 378,740, for resinous moulding compositions.

The prior art relied upon by the Examiner is as follows: I. G. Farben (British), 490,688, August 19, 1938; Ripper, 2,318,560, May 4, 1943; D'Alelio, 2,320,816, June 1, 1943; D'Alelio, 2,320,818, June 1, 1943; Synthetic Resins and Allied Plastics, 1937 edi-

Appellant avoids the afore-mentioned condition and secures other advantages by using, instead of cane or beet sugar, a sweetening medium derived from fruit juice by treating the juice with chemicals which remove the acids and ash forming materials, thus producing a sirup which is sweeter than the juice itself and which has a sugar content conforming in character to that of the fruit to be treated. As a further application of appellant's idea, such a sweetening medium may be applied to unripe fruit, in which case it supplies the sugars which would be produced in the normal ripening of the fruit, thus duplicating the flavor of tree-ripened fruit.

The patent to Barlow, which is the reference principally relied on in support of the rejection of the appealed claims, discloses a process of treating dried fruit by soaking it in the juice of another fruit and drying it again. In the preferred example, dried prunes are soaked in lemon juice, but the patentee states that:

Any fleshy fruit which on pressure yields a desirable juice may be used to furnish the fruit juice. Agreeable combinations will usually result on combining fruits of opposite or unlike qualities, as the highly flavored with the insipid and the sour with the sweet.

So far as we are here concerned, the quoted language fairly contemplates the addition of a relatively sweet fruit juice to a relatively sour fruit.

The remaining references disclose the use of various sweetening media such as honey, sucrose, and invert sugar in the preparation of ripe and unripe fruits. They do not show the use of a sweetening medium prepared from fruit juice.

The principal ground of rejection relied on by both the Primary Examiner and the Board of Appeals is stated as follows by the Examiner:

The addition of sweetening mediums to fresh fruit and unripe fruit being shown by Cruess, Wickenden, Hunt and Alexandrian, respectively, it is held obvious and uninventive to add a natural juice to *fresh or unripe* fruit in view of Barlow who shows the similar addition of natural fruit juice to dried fruit. [Italics quoted.]

[1] It was evidently the position of the Patent Office tribunals that a natural fruit juice could be considered a sweetening medium within the meaning of the appealed claims. Counsel for appellant disagree with this position and point out that appellant's specification defines a sweetening medium as one which is substantially free from materials which detract from its sweetening power. It is well settled, however, that the claims of a pending application are to be given the broadest interpretation which they will reasonably support and that limitations which are not expressed will not be read into them. *In re Carr*, 54 App. D. C. 288, 297 Fed. 542, 323 O. G. 4, and *In re Bryson D. Horton*, 19 CCPA (Patents) 871, 54 F.2d 961, 12 USPQ 221, 418 O. G. 273. A case directly in point is *In re Hegan*, 25 CCPA (Patents) 1182, 97 F.2d 86, 37 USPQ 750, 497 O. G. 558. In that case, the specification of the application on appeal contained the statement that:

It is to be further understood that the term 'corrugated wire in strand form' is intended to denote free strands of wire as distinguished from strands which are woven or knitted together in screen or like form.

In refusing to read that definition into the expression "corrugated wire in strand form," appearing in the appealed claims, we said:

Whatever of limitation there may be in this definition, such limitation does not appear in the appealed claims and it is well settled that, while claims are to be read in the light of the specification, limitations set in the claims need not be considered even though the application disclosure would support such limitations. [Italics quoted.]

In the instant case the term sweetening medium, in the appealed claims, must be given its normal broad interpretation of a medium which will render the substance sweeter to which it is added. It follows that the term does not distinguish over the process of the Barlow patent, in which a juice of one fruit may be added to a dried fruit which is less sweet.

[2] Similarly, the word "syrup" appearing in some of the claims does not distinguish from fruit juice, since one meaning of this word, as defined by Webster's New International Dictionary is "* * * any concentrated, more or less viscid aqueous solution of sugar."

[3] We are of opinion that the position of the Examiner and the Board that, in view of the patent to Barlow and the other references cited, there would be no invention in adding natural fruit juice to fresh fruit, is sound. Although the patentee Barlow appears to be concerned only with dried fruits, the other references show it to be old to add various flavoring solutions to fresh fruit and, under such circumstances, we are of opinion that the application of fruit juices to fresh fruit, in the manner in which the patentee Barlow applies them to dried fruit, does not involve invention. Sterilizing and packaging the resultant product, as contemplated by claim 19, is a conventional step and is not a matter of invention. Claims 23 and 24 call for the addition of the sirup to a fruit juice and to a "fresh juicy pulp" respectively. Those claims obviously do not involve more than variations of the idea of adding the sirup to the fruit itself. Claims 17, 19, 20, 23, and 24 define nothing more, in our opinion, than obvious modifications of the patentee Barlow's idea of adding the juice of one fruit to another fruit as a flavoring medium.

For the reasons stated, we are of opinion that appealed claims 17, 19, 20, 23, and 24 define nothing patentable over the prior art, and that they were properly rejected. Had appellant included in those claims the limitation that acids and ash-forming materials had been eliminated from the sweetening medium, a different issue would have been presented.

[4] Claims 18, 21, and 22 are limited to the treatment of fruit which is harvested before it is ripe, and to the addition of enough of a sweetening medium derived from fruit to supply the sweetness which would normally be acquired in tree-ripening. It is pointed out in appellant's application that this procedure results in a more natural flavor than can be obtained if the sugar deficiency is supplied by cane, beet, or similar sugars. This specific application of appellant's idea is not found to be fairly suggested by the prior art and, in view of this fact, and of the advantageous result obtained, we are of opinion that claims 18, 21, and 22 are patentable over the references of record.

[5] For the reasons stated, the decision of the Board of Appeals is modified, being affirmed as to claims 17, 19, 20, 23, and 24, and reversed as to claims 18, 21, and 22.

MODIFIED.

U. S. Court of Customs and Patent Appeals

IN RE RIPPER, DECEASED, ETC.

No. 5489. Decided December 7, 1948

[— F.2d —; 80 USPQ 96]

1. APPEAL TO BOARD OF APPEALS—AFFIDAVITS—RULE 68.
Held that where affidavits are filed subsequent to the statement of the Examiner, it was at a time where the Examiner had lost jurisdiction of the matter and the case was not subject to amendment under Rule 68.

2. APPEAL TO COURT OF CUSTOMS AND PATENT APPEALS—AFFIDAVITS—RULE 138.
Where subsequent to the statement of the Examiner three affidavits were filed on behalf of appellant, and where it does not appear that the application was remanded to the Examiner under Rule 138, and there is no mention in the decision of the Board of Appeals of those affidavits, and where there is no showing here that the Board could have considered the affidavits under Rule 138, *Held* that they are not before us for consideration.

3. PATENTABILITY—COMPOSITION—CRITICAL LIMITATION.
Where appellant bases his contention that the involved claims are patentable over the prior art upon a limitation which is contained in some of the claims but not in others, *Held* that such limitation can not be considered to be critical, and that it can not be held to be a patentable distinction over the prior art.

4. WORDS AND PHRASES—"THREAD."
Where the word "Thread" as used in the involved application and claims is not used in a chemical sense, *Held* that in ascertaining the meaning of "thread," reference properly may be made to the ordinary dictionaries.

5. SAME—"CLOTH."
Held that cloth is not necessarily woven, it being commonly known that cloth or sheet fabric may be made by a felting process.

6. PATENTABILITY—RESINOUS MOLDING COMPOSITION.
Certain claims to a resinous molding composition containing asbestos thread and the process of producing such molding compositions, *Held* properly rejected as unpatentable over the prior art.

APPEAL from the Patent Office. Serial No. 378,740.

AFFIRMED.

James Edwin Archer (*Hal H. McCaghren* of counsel) for appellant.

W. W. Cochran (*H. S. Miller* of counsel) for the Commissioner of Patents.

JACKSON, J.:

Kurt E. Ripper, deceased, by American Cyanamid Company, assignee, has appealed here from a decision of the Board of Appeals of the United States Patent Office affirming a decision of the Primary Examiner finally rejecting as unpatentable over the prior art all of the claims, 15, 18, 20, 21, 22, 25, 26, 28, and 29, of an application for a patent, Serial No. 378,740, for resinous moulding compositions.

The prior art relied upon by the Examiner is as follows: I. G. Farben (British), 490,686, August 19, 1938; Ripper, 2,318,560, May 4, 1943; D'Alelio, 2,320,816, June 1, 1943; D'Alelio, 2,320,818, June 1, 1943; Synthetic Resins and Allied Plastics, 1937 edition, Morrell, pages 92, 93, and 94.

The Board in its decision reversed the decision of the Primary Examiner with respect to his rejection on the Ripper patent of claims 18, 20, 21, and 28 on the ground of double patenting, but otherwise affirmed the action of the Examiner.

Claims 15, 28, and 29 are article claims. All of the other claims are directed to process.

The alleged invention relates to the production of plastic molding compositions, which are consolidated under heat and pressure in order to produce articles possessing high mechanical strength, good arc heat and glow resistance, as well as high impact strength.

It is said that the alleged invention is attained by the intimate association of pieces of asbestos thread or cord woven or unwoven with an amino plastic resin "which may be polymerized under alkaline conditions to the infusible and insoluble stage." Claims 18 and 28 are illustrative of the subject matter involved and read as follows:

18. A process of producing molding compositions, moldings of which have high mechanical strength, which comprises impregnating spun asbestos threads with an amino plastic resin which is a formaldehyde condensation product of an amidine and which will cure under alkaline conditions, drying the impregnated asbestos threads and dividing the impregnated asbestos threads into pieces about ¼–1 inch in length.

28. A molding composition suitable for the production of moldings having a high mechanical strength comprising spun asbestos threads about ¼–1 inch in length impregnated with a polymerizable melamine-formaldehyde resin syrup.

Claim 20 is similar to claim 18 except that it calls for "impregnating asbestos cloth" instead of "impregnating spun asbestos threads," and also in that it provides for dividing the cloth after it has been impregnated into pieces of an area of about ¼ square inch to about 1 square inch.

Claim 21 is like claim 18 but in addition thereto it provides for "partially polymerizing the resin."

Claim 22 is similar to claim 18 but is limited to "a melamine-formaldehyde resin syrup."

Claim 25 differs from claim 18 in that it calls for impregnating spun asbestos threads with an amino plastic resin, the threads being cut to length and divided before impregnation with the resin and the drying and consolidating of said threads with heat and pressure.

Claim 26 is like claim 25 except that the amidine is restricted to "a melamine-formaldehyde resin syrup."

Claim 29 is the same as claim 28 except that it does not call for "spun asbestos threads."

Claims 18, 21, 22, 25, 26, and 28 all call for "spun" asbestos threads.

The I. G. Farben patent discloses the manufacture of electrical insulating bodies made from a resin. One of the means of forming that resin is by con-

densing formaldehyde with "melamine." Asbestos as a filler in the resin is also disclosed.

The patent to D'Alelio, No. 2,320,816, is for aminoplast containing halogenated nitrile. It discloses resins made from formaldehyde and amidines, such as dicyandiamide or triazines. It also discloses asbestos in rather short fiber lengths among other materials to be used as a filler for the resin. It is

resin of the class set out in the involved claim, but they likewise disclose the use of asbestos fibres as a filler in the making of moldable compositions.

[6] Appellant seems to base his contention that the involved claims are patentable over the prior art upon the ground that all of the claims relate to "thread" and "spun thread" as distinguished from

Appellant in his brief appears to lay some stress upon the recitation of "partially polymerized resin" as appearing in claim 21. We find nothing critical in the limitation of "partial polymerization" for the reason that in the specification it is set out that "since the partial polymerization is not essential, it may even be omitted entirely or in part."

ed for two minutes at 130° C. under a pressure of 2,000 pounds per square inch."

It is clear to us that the references disclose not only the molding composition but also the process of appellant.

[5] While claim 20 recites the use of asbestos cloth, the said asbestos fabric disclosed in the D'Alelio patent, No. 2,320,818, meets that limitation.

densing formaldehyde with "melamine." Asbestos as a filler in the resin is also disclosed.

The patent to D'Alelio, No. 2,320,816, is for aminoplast containing halogenated nitrile. It discloses resins made from formaldehyde and amidines, such as dicyandiamide or triazines. It also discloses asbestos in rather short fiber lengths among other materials to be used as a filler for the resin. It is said in the specification of the patent that the products of the invention are particularly adapted for use as fire retardants and in the making of arc-extinguishing tubes, which are capable of producing an arc-extinguishing gas under the heat produced by the arc.

The D'Alelio patent, No. 2,320,818, relates to condensation products of aminotriazines, aldehydes and halogenated aliphatic nitriles. It discloses a molding compound of a melamine-formaldehyde partial condensation product. It also discloses among various other fillers to be compounded with the resin "asbestos, including defibrated asbestos."

In the Morrell publication the use of asbestos is shown as an important filler for resins and also that when asbestos is used in plastic compositions that the fibers should not be more than ¼ inch to 1½ inches long. In commenting on the use of shorter fibres of asbestos, it is stated in the publication that "Shorter fibres are used with synthetic resins to make fireproof and heat-resisting mouldings."

It is not necessary to discuss the Ripper patent for the reason hereinbefore stated.

The Primary Examiner rejected all of the claims as unpatentable over either of the patents of D'Alelio and also as being unpatentable over the I. G. Farben patent in view of the Morrell publication.

[1] Subsequent to the statement of the Examiner, three affidavits were filed on behalf of appellant. At the time the affidavits were filed the Examiner had lost jurisdiction of the matter and the case was not subject to amendment under rule 68, Rules of Practice, U. S. Patent Office.

[2] It does not appear that the application was remanded to the Examiner under rule 138, Rules of Practice, U. S. Patent Office, and there is no mention in the decision of the Board of those affidavits. Therefore, there is no showing here that the Board could have considered the affidavits under rule 138, and consequently they are not before us for consideration. *In re Ayers*, 33 CCPA (Patents) 874, 154 F.2d 182, 69 USPQ 109, 587 O. G. 337.

It is admitted by appellant that the D'Alelio patents and that of the I. G. Farben patent describe a moldable composition comprising a resin of the class claimed by appellant, but appellant contends that those references are directed to a particular resin within the class and to the properties of such resin, and that the disclosure of asbestos fibres being used as a filler is "prophetically stated" among other "innumerable modifying agents." It is clear, however, that those references not only disclose a resin of the class set out in the involved claim, but they likewise disclose the use of asbestos fibres as a filler in the making of moldable compositions.

[3] Appellant seems to base his contention that the involved claims are patentable over the prior art upon the ground that all of the claims relate to "thread" and "spun thread" as distinguished from asbestos fibres. Several of appellant's claims are restricted to "spun" threads, as hereinbefore mentioned. We are unable to see that such limitation can be held to be a patentable distinction over the prior art. Other claims do not contain such limitation. Therefore, it can not be considered to be critical. *In re Fear*, 30 CCPA (Patents) 1197, 136 F.2d 908, 58 USPQ 408, 555 O. G. 331.

It seems to us to be obvious that spun thread would possess a higher mechanical strength than fibers. Therefore, we can not properly hold that there is any unexpected improvement when spun threads are used.

[4] Counsel for appellant argues vigorously that all of the references disclose asbestos fibres, and that the use of the term "thread" in the involved claims renders them patentable over the prior art. In support of that contention, counsel for appellant cites the case of *In re Hill*, 34 CCPA (Patents) 1062, 161 F.2d 367, 73 USPQ 482, 603 O. G. 873, and states that "dictionary definitions are not evidentiary on chemical matters in the absence of chemistry reference works in support thereof." In that case, the meaning of "carbamide," which is a distinct chemical term, was involved, and it is our opinion that the word "thread" as used in the involved application and claims is not used in a chemical sense. While "thread" is defined in Hackh's Chemical Dictionary, Third Edition, as "a string, q. v."; there is also found in the same publication with reference to the term "string" that it is a gold-plated quartz thread used in Einthoven galvanometers. Therefore, it is clear that in ascertaining the meaning of "thread" as it appears herein, reference properly may be made to the ordinary dictionaries.

Thread is defined in Funk and Wagnalls New Standard Dictionary, 1938, as not only being a slender cord composed of two or more yarns or filaments, but also as "A filament of any substance; * * *." That definition it seems to us renders the ordinary meaning of the word "thread" to include a "fiber." Therefore, we hold that the "thread" of appellant's application is not patentably distinguishable from the fiber disclosed in the references.

Appellant points out in his brief that claim 18 calls for aminoplastic resin which will cure under alkaline conditions, and the drying of an impregnated asbestos thread. Even though such statement is correct, it appears to us that the condensation products disclosed in the D'Alelio patent, No. 2,320,818, are aminoplasts and may be cured under alkaline conditions. The drying of the patentee's compound is described in that patent.

Appellant in his brief appears to lay some stress upon the recitation of "partially polymerized resin" as appearing in claim 21. We find nothing critical in the limitation of "partial polymerization" for the reason that in the specification it is set out that "since the partial polymerization is not essential, it may even be omitted entirely or in part."

While it is true that claim 22 calls for a specific melamine-formaldehyde resin, one of the examples in the D'Alelio patent, No. 2,320,818, mentions a "melamine-formaldehyde partial condensation product."

While claims 25 and 26 call for "the additional element of consolidating the impregnated threads with heat and pressure," the D'Alelio patent last referred to discloses that the compound "was molded for two minutes at 130° C. under a pressure of 2,000 pounds per square inch."

It is clear to us that the references disclose not only the molding composition but also the process of appellant.

[5] While claim 20 recites the use of asbestos cloth, the said asbestos fabric disclosed in the D'Alelio patent, No. 2,320,818, meets that limitation. Cloth is not necessarily woven. It is commonly known that cloth or sheet fabric may be made by a felting process. Therefore, we find no patentable difference between appellant's use of asbestos cloth which is woven, and the asbestos fabric of the patent made by the felting process.

[6] For the reasons hereinbefore set out, the decision of the Board of Appeals is affirmed.

AFFIRMED.

PATENT SUITS

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,750,386, W. J. Brown, Space current device, filed Dec. 20, 1948, Ct. of Clms., Doc. 48953, *W. J. Brown* v. *The United States.*

1,877,587, R. A. Rasche, Method of preparing apples for freezing, D. C., E. D. Mich., S. Div., Doc. 6694, *R. A. Rasche* v. *Frigid Food Products, Inc.* Consent order of dismissal with prejudice (notice Jan. 17, 1949).

1,966,273, O. I. Waring, Seal for containers and method of producing same, filed Jan. 12, 1949, D. C., S. D. N. Y., Doc. 48/624, *Ferdinand Gutmen & Co.* v. *Standard Brands, Inc.*

1,970,518, H. Aaron, Hair clipper, D. C., S. D. N. Y., Doc. 87/396, *F. A. Fraser* v. *H. Aaron.* Judgment dismissing defendant's counterclaim Aug. 3, 1939; claims 1, 3, 7, 8, 9, 14, and 15 held valid Apr. 9, 1941.

1,970,611, C. E. Marshall, Clip, filed Jan. 5, 1949, D. C., E. D. N. Y., Doc. 9616, *C. E. Marshall* v. *Peerless Tool & Metal Mfg. Co.*

1,996,634, V. G. Vaughan, Water heater control system, D. C., N. D. Calif., S. Div., Doc. 27951–H, *Westinghouse Electric Corp.* v. *Addison Furniture Co.* Patent held valid and infringed Apr. 15, 1948.

2,038,713, D. J. Brunner, Jr., Collision guard for motor vehicles, filed Jan. 12, 1949, D. C., N. D. Ohio, E. Div., Doc. 26143, *D. J. Brunner, Jr.* v. *Rop Loc Products Co.*

2,053,481, J. Kainen, Method of making buckle frames, filed Jan. 12, 1949, D. C., S. D. N. Y., Doc. 48/621, *Algren Watch Findings Co., Inc.*, v. *Herkel Mfg. Co.*

2,058,137, G. W. Curtiss, Typographic keyboard mechanism; 2,076,882, same, Typographic casting mechanism, D. C., N. D. Ga. (Atlanta), Doc. 3442, *G. W. Curtiss* v. *Southern Printing Co.* Consent order of settlement, allowing injunction Jan. 7, 1949.

2,076,882. (See 2,058,137.)

2,120,138, C. B. Mathews et al., Method for producing food products; 2,295,868, Schwebke & Hoadley, Process for preparing food products, D. C., S. D. Ohio, W. Div., Doc. 1876, *Emery Products Co.* v. *Adams Corp. et al.* Order dismissing action for want of jurisdiction Dec. 24, 1948.

2,143,194, G. L. Holzapfel, Carburetion apparatus for internal combustion engines, D. C., S. D. Calif. (Los Angeles), Doc. 8011, *W. P. Mealey* v. *American Liquid Gas Corp.* Decree for plaintiff (notice Jan. 6, 1949).

2,152,197, J. Levy, Lighting fixture construction, D. C., N. D. Calif. (San Francisco), Doc. 28069–H, *Century Lighting, Inc.*, v. *Associated Lighting Service.* Consent decree holding claims 2 and 4 valid Nov. 24, 1948.

2,180,586, E. Gustafsson, Spray booth; 2,385,077, G. A. Harker et al., same, suit for declaratory judgment filed Nov. 15, 1948, D. C., S. D. Calif. (Los Angeles), Doc. 8878–W, *Acme Associates, Inc.*, v. *Binks Mfg. Co.* (To correct error in 617 O. G. 909, formerly published as filed in District Court of New York.

2,212,033, C. E. Morely, Mounting for rear view mirrors, D. C., E. D. Mich., S. Div., Doc. 6872, *Knight-Morley Corp. et al.* v. *Ajax Mfg. Corp. et al.* Patent held invalid as to all claims; complaint dismissed with prejudice (notice Jan. 4, 1949).

2,242,197, B. G. West et al., Sound reproducing system; 2,291,115, Stark & Leyrer, Wired music distribution system, D. C., N. D. Calif., S. Div., Doc. 27741–G, *Rodney Pantages, Inc.*, v. *Radion Music Co.* Patents held valid and infringed, injunction Dec. 27, 1948.

2,258,638, W. A. Zarth, Bone construction audiphone; Re. 22,658, H. Koch, same, D. C., S. D. N. Y., Doc. 33/110, *Dictograph Products Co., Inc.*, v. *Zenith Radionics Corp. of N. Y.* Consent order dismissing complaint with prejudice (notice Jan. 12, 1949).

2,291,115. (See 2,242,197.) 2,295,868. (See 2,120,138.)

2,298,373, Hansen & Hurst, Slow speed synchronous motor, filed Dec. 30, 1948, D. C., S. D. Ind. (Evansville), Doc. 381, *General Time Instruments Corp.* v. *Hansen Mfg. Co., Inc.*

2,305,910, C. P. Taylor, Method of drafting, D. C., S. D. Calif. (Los Angeles), Doc. 8053–WM, *C. P. Taylor* v. *L. A. Brainard Co. et al.* Patent held valid and infringed (notice Jan. 4, 1949).

2,346,760, J. O. Kieber, Wave record mold, filed Jan. 6, 1949, D. C. N. J. (Camden), Doc. 39/49, *Lincoln Records, Inc., et al.*, v. *Bubet Laboratories, Inc.* Same, D. C. N. J. (Newark), Doc. 11925, *Lincoln Records, Inc., et al.*, v. *Woods Plastics, Inc.* Dismissed (notice Jan. 12, 1949).

2,346,821, W. M. Cissell, Apparatus for spotting fabric materials, D. C., W. D. Mo. (Kansas City), Doc. 4562, *W. M. Cissell* v. *Cleaners Specialties, Inc.* Patent held valid and infringed; injunction granted Jan. 3, 1949.

2,352,390, E. R. Kirkland, Hydraulic jack, filed Sept. 17, 1948, D. C., S. D. Calif. (Los Angeles), Doc. 8654, *American Hydraulics, Inc., et al.*, v. *The Culnever Co. et al.*

2,446,000, S. Hyman, Combined wallet and cigarette case, filed Jan. 10, 1949, D. C., S. D. N. Y., Doc. 48/593, *Mighty Midget Leather Goods Co.* v. *Re-on Sales Corp. et al.*

2,452,834, C. B. Clapper, Hot-air deflector for tractors, filed Jan. 5, 1949, D. C., W. D. Mo. (St. Joseph), Doc. 500, *C. B. Clapper* v. *S. J. Shepherd.*

Re. 20,817, W. J. Maddox, Abrading roll, (declaratory judgment), C. C. A., 6th Cir., Doc. 10693, *Even-Cut Abrasive Road & Pavement Corp. et al.* v. *The Cleveland Concrete Crusher Co.* Decree affirming dismissal of complaint Dec. 6, 1948.

Minnesota

Cardew, Richard P., 4132 Robinson St., Duluth, Minn.
Gehan, Mark W., 890 Fauquier Ave., St. Paul, Minn.
Meyers, Frederick C., 55 Inner Drive, St. Paul, Minn.
Stueber, William C., 6005 Tracy Ave., Minneapolis, Minn.
Wicks, Jack W., 1825 Selby Ave., St. Paul, Minn.

Missouri

Henschke, John J., Jr., 432 E. Big Bend Road, Webster Groves, Mo.
Lieder, Roy A., % Carr, Carr & Gravely, 705 Olive St., [illegible]

Scalso, Joseph R., 1302 Parkside Blvd., Toledo, Ohio.
Schwenner, George A., 1935 Kinney Ave., Cincinnati, Ohio.
Strasser, Albert E., 3029 Anten Ave., Cincinnati, Ohio.
Taylor, Wesley B., 641 E. Broadway, Toledo, Ohio.
Wilson, Robert W., 134 N. Pearl St., Kent, Ohio.
Wursburger, Paul D., 3255 E. Monmouth Road, Cleveland Heights, Ohio.

Oklahoma

Turner, James Otho, 1438 Dewey Ave., Bartlesville, Okla.

Pennsylvania

Buell, Eugene Franklin, 1319 Farmers Bank Bldg., Pitts-

2,346,821, W. M. Cissell, Apparatus for spotting fabric materials, D. C., W. D. Md. (Kansas City), Doc. 4562, *W. M. Cissell* v. *Cleaners Specialties, Inc.* Patent held valid and infringed; injunction granted Jan. 3, 1949.

2,352,390, E. R. Kirkland, Hydraulic jack, filed Sept. 17, 1948, D. C., S. D. Calif. (Los Angeles), Doc. 3654, *American Hydraulics, Inc., et al.*, v. *The Culnever Co. et al.*

2,380,700, W. Lasar, Meat cutting machine, D. C., S. D. Calif. (Los Angeles), Doc. 5549–WM, *W. Lasar* v. *Kent Engineering Co.* Patent held valid and infringed, injunction granted (notice Jan. 7, 1949).

2,385,077. (See 2,180,586.)

2,390,131, H. F. Silver, Continuous diffusion process, filed Dec. 31, 1948, D. C. Colo. (Denver), Doc. 2613, *Oliver United Filters, Inc.*, v. *H. F. Silver.*

2,446,009, S. Hyman, Combined wallet and cigarette case, filed Jan. 10, 1949, D. C., S. D. N. Y., Doc. 48/593, *Mighty Midget Leather Goods Co.* v. *Re-on Sales Corp. et al.*

2,452,834, C. H. Clapper, Hot-air deflector for tractors, filed Jan. 5, 1949, D. C., W. D. Mo. (St. Joseph), Doc. 500, *C. H. Clapper* v. *S. J. Shepherd.*

Re. 20,817, W. J. Maddox, Abrading roll, (declaratory judgment), C. C. A., 6th Cir., Doc. 10593, *Even-Cut Abrasive Band & Equipment Corp. et al.* v. *The Cleveland Container Co.* Decree insofar as it adjudged claims 3 and 4 invalid is affirmed Jan. 17, 1949.

Re. 22,658. (See 2,258,638.)

Des. 151,203, S. K. Wolff, Wall shelf, filed Jan. 6, 1949, D. C., E. D. N. Y., Doc. 9620, *Wolff Appliance Corp* v. *Empire Housewares, Inc., et al.*

Des. 151,461, L. E. Meadow, Handbag, filed Jan. 14, 1949, D. C., S. D. N. Y., Doc. 48/648, *Lufcan Bag Co., Inc.*, v. *Tally-Ho Creations, Inc.*

NOTICES

Registration to Practice

The following list contains the names of all applicants for registration to practice before the United States Patent Office who attained passing grades in the examination of November 15, 1948. Information tending to affect the eligibility of any of said applicants on moral or ethical grounds should be furnished the Commissioner of Patents on or before March 22, 1949.

THOMAS F. MURPHY,
Chairman, Committee on Enrollment.

February 7, 1949.

List of Applicants Who Passed the Examination for Registration to Practice Before the Patent Office Held November 15, 1948

California

Clay, Robert G., 124–A Moss Ave., Oakland, Calif.
Coryell, Harold W., 103 Hilltop Road, Bldg. 30, Sec. B, San Francisco, Calif.
Downes, Harold J., 3355 Alma Ave., Apt. E, Lynwood, Calif.
Fibe, Paul B., 1739 Yosemite Drive, Los Angeles, Calif.
Gibson, Kenneth F., %Kelco Co., 530 Broadway, San Diego, Calif.
Hager, William D., 1521 Third Ave., Oakland, Calif.
Hicks, James C., 620 Kenwood Drive, Menlo Park, Calif.
James, Ivor John, Jr., 5958 Pearce Ave., Bellflower, Calif.
Larsen, Delmar H., 8601 W. Knoll Drive, Los Angeles, Calif.
Lewis, Charlton Miner, 413 Edison Bldg., Los Angeles, Calif.
Myers, William H., 1106 Ninth Ave., San Mateo, Calif.
Seidner, Orville E., 1705 W. Pedley Drive, Alhambra, Calif.
Stoner, John, Jr., % Patent Dept., California Research Corp., 200 Bush St., San Francisco, Calif.
Wands, Herbert B., Jr., 118 Spencer Ave., Sausalito, Calif.
Wood, A. Gordon, 10 Carolina Ave., San Anselmo, Calif.
Zimmerman, Harris, 7718 Cheryl St., Castro Valley, Calif.

Connecticut

Casey, Robert T., 35 Westchester Drive, Bristol, Conn.
Dunn, James T., 176 4th St., Park Lane Villas, Stamford, Conn.
Kelton, John T., Nutmeg Lane, Westport, Conn.
Lucia, Robert E., 10 Brighton Road, West Hartford, Conn.
McCarthy, Jack Nestor, 40 Turnbull Road, Manchester, Conn.
Newby, Arthur A., 35 King St., Hamden, Conn.
Wallick, Earle W., Jr., P. O. Box 491, Ridgefield, Conn.
Weklind, Leonard F., 136 Loomis Drive, West Hartford, Conn.

District of Columbia

Brodahl, Raymond G., 810 Washington Bldg., Washington, D. C.
Cannamo, Anthony D., 125 Joliet St. S. W., Apr. 2C, Washington, D. C.
Dowell, A. Yates, Jr., 1158 Munsey Bldg., Washington, D. C.
French, William T., 601 19th St. N. W., Washington, D. C.
Geauque, Robert E., 3700 Massachusetts Ave. N. W., Washington, D. C.
Haskell, Boris, 3032 Rodman St. N. W., Washington, D. C.
Johnson, Norton S., 2310 40th Place N. W., Washington, D. C.
Julien, Carl A., 2135 Branch Ave. S. E., Washington, D. C.
Kemon, Solon B., 3406 Macomb St. N. W., Washington, D. C.
Kramer, Jerome F., 350 37th Place S. E., Washington, D. C.
Mandeville, Hubert T., 534 National Press Bldg., Washington, D. C.
Pavitt, William H., Jr., 5807 Augusta Lane, Glen Mar Park, Md., % Friendship P. O., Washington 16, D. C.
Reed, Vaughn De Witt, 816 E St. N. E., Washington, D. C.
Reiffin, Martin G., 1767 Que St. N. W., Washington, D. C.
Rosenberg, Seymour M., 215 C St. S. E., Washington, D. C.
Sinderbrand, Alvin, 247 Delaware Ave. S. W., Washington, D. C.
Wilder, Henry Page, 636 Rock Creek Church Road, Washington, D. C.

Illinois

Barber, Frank T., % Armour and Company, Union Stock Yards, Chicago, Ill.
Beecher, Keith D., 8255 Maryland Ave., Apt. 3E, Chicago, Ill.
Dufinecz, Michael, 2241 Oak St., Northbrook, Ill.
Jurow, Edward F., 53 W. Jackson Blvd., Chicago, Ill.
Krause, Otto Raymond, 11020 Emerald Ave., Chicago, Ill.
McCormick, Roger B., 403 S. School St., Lombard, Ill.
Pederson, John J., 2320 Thayer St., Evanston, Ill.
Peters, Carl F., 5541 Kimbark St., Chicago, Ill.
Schroeder, Charles F., 1540 W. 70th St., Chicago, Ill.
Settle, Hiram P., Jr., Yorkville, Ill.
Wiles, Bradford, Room 2200, 20 N. Wacker Drive, Chicago, Ill.

Indiana

Traylor, William H., 4014 Primrose Ave., Indianapolis, Ind.

Kansas

Hamilton, John A., 717 N. 18th St., Kansas City, Kans.

Louisiana

Krieg, Lewis R., 3426 Washington Ave., Baton Rouge, La.

Massachusetts

Price, George W., 175 Aspen Road, Swampscott, Mass.
Russell, Robert B., Room 606, 24 School St., Boston, Mass.

Michigan

Blanchard, Raywood H., 1405 Baker Ave., Kalamazoo, Mich.
Crupi, Joseph, 25420 Cherry Hill, Dearborn, Mich.
D'Amico, Alfonse J., 18054 Albany St., Detroit, Mich.
Gaines, John W., 718 Merton Road, Detroit, Mich.
Martin, Adolph G., 5439 Maple Ave., Dearborn, Mich.
Spalding, John L., 2958 W. Stewart Road, Midland, Mich.
Waldrop, Neal A., Jr., 3617 Parker St., Detroit, Mich.
Williams, Robert C., 830 Hibbard Ave., Jackson, Mich.

Minnesota

Cardew, Richard P., 4182 Robinson St., Duluth, Minn.
Gumm, Mark W., 2000 Fauquier Ave., St. Paul, Minn.
Meyers, Frederick C., 55 Inner Drive, St. Paul, Minn.
Stueber, William C., 5005 Tracy Ave., Minneapolis, Minn.
Wicks, Jack W., 1825 Selby Ave., St. Paul, Minn.

Missouri

Henschke, John J., Jr., 432 E. Big Bend Road, Webster Groves, Mo.
Lieder, Roy A., % Carr, Carr & Gravely, 705 Olive St., St. Louis, Mo.

Nebraska

Sturges, Arthur H., Jr., 78 Carter Lake Club, Omaha, Nebr.

New Jersey

Ardis, Robert B., 118 Oak Ridge Ave., Summit, N. J.
Arnold, Albert E., Jr., 50 W. Maple Ave., Apt. 15D Merchantville, N. J.
Bratlie, Olstein J., 781 7th Ave., River Edge, N. J.
Geier, George, 513 Englehardt Terrace, Ridgefield, N. J.
Hotchinson, Milo H., 9 Washington Park, Maplewood, N. J.
Le Fever, Kleon McKnight, 736 Embree Crescent, Westfield, N. J.
O'Brien, John S., 431 Madison Ave., Elizabeth, N. J.
Phillion, Donald W., 15 Snowden Place, Glen Ridge, N. J.
Relph, James M., 314 Crest Ave., Haddon Heights, N. J.
Tirico, Arthur L., 46 Fairway Ave., Belleville, N. J.

New Mexico

Kinnaman, Ross L., 1972–B Quince St., Los Alamos, N. Mex.

New York

Balogh, Julius, 1586 E. 48th St., Brooklyn, N. Y.
Bridger, Homer J., 1575 Odell St., New York 62, N. Y.
Brumbaugh, John W., 3541 76th St., Jackson Heights, N. Y.
Buckles, Robert A., Jr., 21 E. 9th St., New York, N. Y.
Conner, James A., 241 Willis Ave., Mineola, N. Y.
Cuningham, John B., 20 Pine St., New York, N. Y.
Flannery, Mrs. Margaret M., 3542 91st St., Jackson Heights, N. Y.
Gilkes, Arthur G., 104 Beechknoll Road, Forest Hills, L. I., N. Y.
Hale, Charles R., 1010 Terrace Blvd., New Hyde Park, L. I., N. Y.
Hoynak, Stephen, 617 W. 168th St., New York 32, N. Y.
Hugrett, Charles A., 1 Castle Heights Place, White Plains, N. Y.
Joseph, Hans Georg, 63 Park Row, New York 7, N. Y.
Keefauver, William L., 463 West St., New York, N. Y.
Legris, Ernest W., 119 Ballston Ave., Ballston Spa, N. Y.
Levy, Edward F., 660 W. 180th St., New York, N. Y.
Macy, Milton J., 625 Montgomery St., Brooklyn, N. Y.
Masnik, Michael, 9642 115th St., Richmond Hill, L. I., N. Y.
McLaughlin, Catherine M. (Miss), Laurel St., Northport, N. Y.
McTiernan, Charles E., 524 83rd St., Brooklyn, N. Y.
Mullerheim, Kurt, 812 Riverside Drive, New York 32, N. Y.
Nathanson, Arthur L., 184 Park Ave., Merrick, N. Y.
Petersen, George W., 818 Eaton Road, Rochester, N. Y.
Peterson, Milton M., 18 N. Pine St., Corning, N. Y.
Reitler, Henry L., 1252 Baker Ave., Schenectady, N. Y.
Rhoads, Charles S., 124 Rumsey Road, Yonkers, N. Y.
Roston, Ellsworth R., 177—28 Ursina Road, Springfield Gardens, L. I., N. Y.
Rubens, George J., % Harry Ernest Rubens, 2 Sutton Place, South, New York, N. Y.
Sachs, Bernard, 1033 E. 12th St., Brooklyn, N. Y.
Schlamp, Philip L., 104—24 93rd Ave., Richmond Hill, N. Y.
Schlorff, Russell E., % Ramsey, Chisholm & Hilder, 11 Park Place, New York, N. Y.
Slover, William L., 48 Caton Place, Brooklyn, N. Y.
Smith, Delavan P., Washington & Piermont Sts., Sparkill, N. Y.
Spencer, Benjamin F., 120 Wilson St., Garden City, N. Y.
Trigg, Hastings S., 502 Harding Ave., W. Hempstead, L. I., N. Y.
Turin, Henry, 41 Park Row, New York, N. Y.
Weiss, Tobias, 850 E. 175th St., New York, N. Y.
Zappert, Robert H., 91 Seminary Ave., Binghamton, N. Y.

North Carolina

Sims, Nathaniel G., Law Bldg., Charlotte, N. C.

Ohio

Fay, Horace B., Jr., 1022 Leader Bldg., Cleveland, Ohio.
Kasik, George B., 24901 Lakeview Drive, Bay Village, Ohio.
Kuns, Warren, 6107 Graceland Ave., Cincinnati, Ohio.
Matthews, Denbigh S., 208 W. Norwich Ave., Columbus, Ohio.
Scalso, Joseph R., 1303 Parkside Blvd., Toledo, Ohio.
Schwenner, George A., 1935 Kinney Ave., Cincinnati, Ohio.
Strasser, Albert E., 3029 Auten Ave., Cincinnati, Ohio.
Taylor, Wesley B., 641 E. Broadway, Toledo, Ohio.
Wilson, Robert W., 134 N. Pearl St., Kent, Ohio.
Wursburger, Paul D., 3255 E. Monmouth Road, Cleveland Heights, Ohio.

Oklahoma

Turner, James Otho, 1438 Dewey Ave., Bartlesville, Okla.

Pennsylvania

Buell, Eugene Franklin, 1319 Farmers Bank Bldg., Pittsburgh, Pa.
Ferrito, Donald S., 255 Castle Road, Pittsburgh, Pa.
Frick, Sidney W., 1335 Land Title Bldg., Philadelphia, Pa.
Harding, George J., 3rd, 112 Old Gulph Road, Ardmore, Pa.
Rogers, Ross, Jr., 536 Winsor Ave., Pittsburgh, Pa.
Wofford, William T., 118 Cherry Valley Rd., Forest Hills, Pittsburgh, Pa.

Tennessee

Behrman, Howard W., 125 E. Vance Road, Oak Ridge, Tenn.

Texas

Richards, D. Carl, 3926 Penrod St., Dallas, Tex.

Virginia

Bowyer, Jesse C., 915 S. Alfred St., Alexandria, Va.
Flynn, William J., 26 S. Old Glebe Road, Arlington, Va.
Hill, William B., Jr., 200 N. Thomas St., Apt. #1, Arlington, Va.
Klarquist, Kenneth S., 4312 12th Road South, Apt. 21, Arlington, Va.
McClure, Kenneth F., 1108 N. Pitt St., Alexandria, Va.
Quesenberry, William O., 2418 N. Dickerson St., Arlington, Va.

Wisconsin

Coffee, James F., 2922 N. 90th St., Milwaukee, Wis.
Schultz, Ernst W., 4153 N. Bartlett Ave., Milwaukee, Wis.

Erratum

In the OFFICIAL GAZETTE of Jan. 25, 1949, Trade-Mark Registrations Republished, page 1055, second column, line 7, for "Reg. No. 242,809" read *Reg. No. 342,809.*

Adverse Decisions in Interferences

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 2,484,245, G. F. Johnson, Grinding machine, decided Jan. 17, 1949, claims 1, 2, 4, 7, 8, and 10.

Pat. 2,446,506, C. D. Barrett and C. R. Whitehead, Snubbed bolster car truck, decided Jan. 24, 1949, claims 1 and 2.

Disclaimers

2,143,697.—*John G. Jackson*, Detroit, Mich. ELECTRIC SWITCHING DEVICE. Patent dated Jan. 10, 1939. Disclaimer filed Dec. 31, 1948, by the assignee, *Square D Company.*

Hereby enters this disclaimer to claims 31, 32, 33, 34, 35, and 36 in said specification.

2,440,162.—*Lloyd L. Anderson*, Grand Rapids, Mich. REFRIGERATION LATCH MECHANISM. Patent dated Apr. 20, 1948. Disclaimer filed Jan. 15, 1949, by the assignee, *Winters & Crampton Corporation.*

Hereby enters this disclaimer to claim 10 of said patent.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz: Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.) Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.) Original application. (Facsimile petition, specification, oath, and drawings.) Prints within file-wrapper. (Photoprints of the contents of the file-wrapper.) Prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:
Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)
Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)
Original application. (Facsimile petition, specification, oath, and drawings at present time.)
Specification as originally filed. (As received in Office.)
Specification as amended. (With amendments entered.)
Specification as allowed. (As passed by the Examiner for issue.)
Original specification. (Facsimile at present time.)
File-wrapper. (File-wrapper only.)
File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)
File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)
Assignment. (Give the liber and page of the record as well as the name of the inventor.)
Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)
Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

REGISTER OF PATENTS AVAILABLE FOR LICENSING OR SALE

(The "Groups" appearing after the patent abstracts are based on the Standard Industrial Classification Manual, Vol. I, Manufacturing Industries, Executive Office of the President, Bureau of the Budget)

The following four patents are owned by The Ohio Injector Company of Wadsworth, Ohio. Correspondence to William H. Finckel, Jr., Room 900, 1319 F St., N. W., Washington 4, D. C.

Pat. 2,309,061. INFLATION VALVE. Patented Jan. 19, 1943. In this patent a metallic inflation valve having a base flange is removably secured to a tire tube or other inflatable article by mechanical means, thus avoiding the necessity of vulcanising rubber to metal. During manufacture of tube a molded semi-cured rubber pad having a feathered edge and two-dimension bore is pressed over an opening in the tube. An adapter is inserted into bore of pad. The tube, with adhering pad and inserted adapter, is placed in a curing mold and air introduced through the adapter to inflate the tube. When pad and tube are simultaneously vulcanised to properly cure them, they unite, forming an integral structure. The bore of the pad and the lower end of the valve and its flange are shaped so that they interlock in a fluid-tight inseparable manner when valve is clamped to pad by a clamping nut. Groups 30—11; 35—69. Reg. No. 19,067.

Pat. 2,320,452. METHOD OF AND MACHINE FOR ASSEMBLING INFLATION VALVE PARTS. Patented June 1, 1943. Sets of inflation valve cores, which consist of a valve body, pin, spring, and washer, may be manually or automatically fed into an annular series of resilient chucks mounted in a carrier disk of this machine. The disk is intermittently rotated to successively index the chucks below cam-actuated swaging and burnishing heads. The swaging head depresses washer and deforms upper end of pin to increase its diameter to prevent withdrawal of washer from pin. The burnishing head depresses washer and gradually applies increasing pressure to top of swaged pin to provide a smooth finish. The machine is timed so that during a swaging operation a burnishing operation is simultaneously performed on a previously swaged pin. A blast of air ejects finished cores from chucks into a suitable receptacle. Group 35—59—69. Reg. No. 19,068.

Pat. 2,329,346. METHOD FOR MOLDING RUBBER ARTICLES. Patented Sept. 14, 1943. This patent relates particularly to the molding of rubber inflation valves for tire tubes wherein uncured rubber valves are molded and vulcanised to uncured tubes. The uncured valve having a rubber base flange with a feathered edge is formed by forcing uncured rubber into a mold containing a liner and a mandrel, which mandrel ultimately serves to form the axial bore through the valve. The uncured stem with liner and mandrel is then bodily removed as a unit from the mold and placed in a curing mold for both the uncured stem and an uncured tube. Air is then introduced through the mandrel to inflate the tube. Simultaneous vulcanisation of the stem and tube to properly cure them integrally unites base of stem and tube. When removed from curing mold, the liner and mandrel are removed from stem. Group 30—11. Reg. No. 19,069.

Pat. 2,363,508. MOLDING RUBBER ARTICLES. Patented Nov. 28, 1944. This patent shows a method of molding a rubber inflation valve having a base flange with a feathered edge. During the molding operation the stem and upper part of its flange are fully cured, while the face of the flange is maintained uncured. This permits the flange of the stem to be integrally united with an uncured tire tube (or other uncured inflatable article) during ultimate curing of tube without any preliminary preparation of tube or valve. Group 30—11. Reg. No. 19,070.

Pat. 2,449,927. ATOMIZER. Patented Sept. 21, 1948. Atomiser, particularly adapted for oil burners, has the free end of a vibrator stem projecting into the center of the discharge orifice from which the stream of fuel to be atomised issues. The stem is rapidly vibrated or oscillated in all directions so that it will contact all points on the periphery of the orifice wall by the action of the passage through the atomiser of the stream of fuel to be atomised, the atomising currents, and the atomized mixture. This prevents deposits of fuel or other foreign matter from building up in the orifice or on the inner approaches thereto so that the original size of the orifice is continuously maintained. (Owner) John Checkon, 632 Maryland St., Gary, Ind. Group 33—62—63. Reg. No. 19,071.

Pat. 2,452,946. DIRECT FUEL FIRED UNIT AIR HEATER. Patented Nov. 2, 1948. This furnace heats air to comparatively low temperatures for drying, baking, and similar purposes where smoke- and odor-free air are required for drying raw cotton, textiles, food stuffs, and like commodities. A central combustion chamber made of refractory material is provided with a lower outlet, grate, and upper opening. A double cylindrical shell, also made of refractory material, surrounds the chamber and provides space for a fuel burner which discharges heat tangentially. A hood having a stack and damper fits over the assembly and provides an air inlet. (Owner) McConnell Sales & Engineering Corporation, 2809 Central Ave., Birmingham 9, Ala. Groups 32—59; 33—62. Reg. No. 19,072.

Pat. 2,062,690. TERMINAL CLIP. Patented Dec. 1, 1936. A terminal clip for electrical conductors or wires has resilient gripping portions automatically spread apart when a terminal wire is forced between them. Formed from a resilient metal blank with a mounting portion projecting therefrom. Blank is bent to form a loop with the free ends bent upwardly to form a pair of contacting springy arms with diverging lips. One arm is formed with a transverse outward bulge to provide a seating groove for the end of wire when wire is pressed laterally inwardly between arms. Modifications shown. (Owner) Paul Weynand, 112 Kayton Ave., San Antonio 10, Tex. Group 36—11. Reg. No. 19,073.

Pat. 2,387,787. VALVE SEAT GRINDING TOOL. Patented Oct. 30, 1945. Valve grinder, especially adapted for airplane engines, directs a spray of water upwardly to wash away grindings during use of tool. An emery wheel is mounted on a shaft above a small annular tapered flange on shaft. Outlets in the shaft (which is hollow below the flange) are provided for directing a spray of water upwardly. A flexible disk on shaft below outlets deflects the spray upwardly. The lower end of shaft below the disk is surrounded by a sleeve which fits in bore of valve so that the shaft acts as a pilot to insure accuracy of the grinding. A flexible coupling on the shaft above emery wheel has a socket for receiving the end of either a hand- or power-operated driving member. (Owner) Paul Weynand, 112 Kayton Ave., San Antonio 10, Tex. Groups 33—52; 35—41. Reg. No. 19,074.

Pat. 2,045,706. GOVERNOR. Patented June 30, 1936. Governor is a plate inserted between a conventional carburetor and intake manifold of an internal combustion engine. In addition to a fuel passage the plate includes a notch at one end and an arcuate slot both of which receive bolts which attach it to the carburetor and manifold. The slot permits the plate to be shifted to regulate the fuel passage opening before tightening the bolts. (Owner) Emil J. Giara, 304 Stocking St., Mobile 19, Ala. Group 38—31. Reg. No. 19,075.

on either side to support garment hangers. The rack is movable (by means of the disk) throughout entire length of the guide member and may be turned through a complete circle. (Owner) Armand H. Newman, 561 West 169th St., New York, N. Y. Groups 25—99; 33—40—73; 39—81. Reg. No. 19,080.

Pat. 2,452,688. COMBINATION EMERGENCY WHEEL AND ARTISAN DEVICE. Patented Nov. 2, 1948. An emergency

to the base, moving the matches to a vertical position, exposing any advertising matter. After a match is removed, the book is closed to expose the striking surface. (Owner) August Visco, 737 South 8th St., Philadelphia 47, Pa. Groups 25—93; 40. Reg. No. 19,066.

Pat. 2,381,651. VALVE MECHANISM. Patented Aug. 7, 1945. Four-way valve which may be set manually or auto-

Pat. 2,451,922. COAL DRILL AND CHUCK. Patented Oct. 19, 1948. A drill chuck has a threaded end for attachment to a drill drive shaft. A drill stop mounted in the chuck adjacent the threaded end has a centered countersunk depression into which the end of a coal drill bit is seated. A pair of hooked lugs at end of the drill engage a pair of rivets in the chuck to withdraw or retard the drill. Drill is quickly detached from chuck by giving a short turn to the left. (Co-owner) Andrew J. Cox, Route 1, Box 77, Falls Mills, Va. Group 35—33—43. Reg. No. 19,090.

Pat. 2,045,706. GOVERNOR. Patented June 30, 1936. Governor is a plate inserted between a conventional carburetor and intake manifold of an internal combustion engine. In addition to a fuel passage the plate includes a notch at one end and an arcuate slot both of which receive bolts which attach it to the carburetor and manifold. The slot permits the plate to be shifted to regulate the fuel passage opening before tightening the bolts. (Owner) Emil J. Giara, 304 Stocking St., Mobile 19, Ala. Group 38—31. Reg. No. 19,075.

Pat. 2,082,389. FUEL ECONOMIZER FOR INTERNAL COMBUSTION ENGINES. Patented June 1, 1937. Device operates automatically, when vehicle is moving, to open an auxiliary air inlet passage between carburetor and intake valves of engine so that air is drawn in and expelled without mixing it with fuel. Briefly, a tubular air inlet provided between carburetor and manifold is controlled by a valve coupled with a solenoid having a core that moves from the solenoid into a closed cylinder. An air conduit connects the cylinder with the manifold so that the core is moved in one direction to open the valve by suction from the manifold, and in the opposite direction to close the valve when the solenoid is energized. (Owner) Emil J. Giara, 304 Stocking St., Mobile 19, Ala. Group 38—31. Reg. No. 19,076.

Pat. 2,452,746. AERIAL TOY. Patented Nov. 2, 1948. Toy parachute and releasing unit are adapted to be used in combination with a kite. Fabric or paper parachute is suspended on kite string by a hook and is caused by wind to slide upwardly on the string until it reaches the releasing unit. The releasing unit is a paper blank threaded on the string and folded to form an inverted pyramid having a number of triangular vanes. When the parachute reaches the point where the unit is fixed, it is forced to ride onto the edge of one of the vanes and is automatically disconnected, opening as it falls. Any number of parachutes may be sent up in succession. Modifications shown. (Owner) Emil J. Giara, 304 Stocking St., Mobile 19, Ala. Groups 39—41; 40. Reg. No. 19,077.

Pat. 2,452,450. THERAPEUTIC DEVICE. Patented Oct. 26, 1948. Therapeutic device resembles a flashlight of the pencil type and is used to apply heat and light to the mouth and throat of a person being treated for respiratory ailments. An ordinary light bulb of low voltage is completely housed in an insulated plastic casing provided with a stop to prevent the device from being placed too far within the mouth. The device is connected to a transformer and a source of current. (Owner) C. H. Fredenburg, Meridian, Idaho. Groups 34—81; 39—15. Reg. No. 19,078.

Pat. 2,445,349. GARMENT SUPPORTER. Patented July 20, 1948. A hose supporter, for attachment to a girdle, etc., consists of two straps fastened together at upper ends and placed one in front of the other. Non-elastic front strap has a series of longitudinally spaced snap buttons. Elastic under-strap is long enough to loop through a link attached to a clasp and fasten (by means of a snap eyelet in a non-elastic web portion) to any one of the snap buttons, allowing adjustment in length of supporter. (Owner) Rose M. Garbutt, 1908 5th Ave., San Diego, Calif. Group 23—42—84. Reg. No. 19,079.

Pat. 2,451,110. SUSPENSION RACK. Patented Oct. 12, 1948. A movable suspension rack for clothes hangers, for use in closets, show cases, etc. A channel-shaped guide member, provided with end stops, is secured to the under side of a shelf or the like. A disk rider slides and turns within the channel grooves. A stem depending from the disk supports horisontally a notched rack arm extending on either side to support garment hangers. The rack is movable (by means of the disk) throughout entire length of the guide member and may be turned through a complete circle. (Owner) Armand E. Newman, 561 West 169th St., New York, N. Y. Groups 25—99; 33—49—73; 36—81. Reg. No. 19,080.

Pat. 2,452,688. COMBINATION EMERGENCY WHEEL AND ANTISKID DEVICE. Patented Nov. 2, 1948. An emergency wheel and antiskid device for vehicles is normally held in a raised stationary position beside vehicle wheel but may be lowered by foot pedal on floor board. The emergency wheel has a stationary ring with connectors extending from top to bottom which move upward and downward in spring-actuated guide channels attached to the wheel axle. A channel-shaped ring rotates about the stationary ring. One of its flanges has teeth or other power-transmitting elements for interengagement with power-transmitting elements of the vehicle wheel when lowered to ground. A disk formation having an inwardly-turning rim extends from axle housing to exclude dust. (Owner) Otto Schlett, 56-05 43rd Ave., Woodside, Long Island, N. Y. Groups 37—21; 38—11—81. Reg. No. 19,081.

Pat. 2,317,136. SPRING WHEEL. Patented Apr. 20, 1943. Spring wheel for vehicles has a solid rubber tire cemented to the rim to take the place of the usual pneumatic tire. It includes the hub, spokes, and rim of a conventional wire-spoke wheel. A felly surrounding rim is connected thereto by a series of spokes in pairs which are each bent into a single convolute coil to add resiliency to spokes. A dished tire-carrying rim is secured to the felly. Flexible side covers enclose the space between the two rims. (Owner) W. E. Dailey, 116 South Laflin St., Chicago, Ill. Group 38—11—81. Reg. No. 19,082.

Pat. 2,452,841. TOY. Patented Nov. 2, 1948. A wind-up noise-emitting toy in the form of a grotesque animal on wheels travels on the floor in a circle or straight path. A bell-shaped body has a humped back and an elongated mouse head. When the toy is wound and travels on the floor, a whistle blows intermittently. A tube extending forwardly of the whistle into the snout discharges air from the whistle, which stirs up dust on the floor and creates the impression of an animal snorting. (Owner) W. E. Dailey, 116 South Laflin St., Chicago, Ill. Group 39—41. Reg. No. 19,083.

Pat. 2,450,598. BICYCLE. Patented Oct. 5, 1948. Bicycle is designed with driving mechanism to increase the driving power and decrease effort of operation. In this bicycle the usual rear wheel, hub, and sprocket chain are omitted. Instead a small wheel is mounted on the lower end of the rear forked frame of bicycle for free rotation in an inner circumferential groove of a large traction wheel when traction wheel is driven by a belt. Another small wheel mounted on forked frame also travels in the groove to steady traction wheel. The driving belt is trained around an outer circumferential groove of traction wheel and around a pulley. The pulley is driven through a train of gears by the usual pedal-operated sprocket wheel of bicycle. (Owner) Cornelius W. Kerr, P. O. Box 435, Lewes, Del. Group 37—41. Reg. No. 19,084.

Pat. 2,452,882. FOLDING MATCH BOOK. Patented Nov. 2, 1948. A conventional folding match book has matches formed to simulate any desired article. A false cover overlies the book base and has slots to support the matches. Hinged tabs at opposite ends of the false cover are secured to a marginal strip and to the base. To open, the cover is lifted and the marginal tab pulled parallel to the base, moving the matches to a vertical position, exposing any advertising matter. After a match is removed, the book is closed to expose the striking surface. (Owner) August Vinco, 737 South 8th St., Philadelphia 47, Pa. Groups 26—93; 40. Reg. No. 19,085.

Pat. 2,381,651. VALVE MECHANISM. Patented Aug. 7, 1945. Four-way valve which may be set manually or automatically is devised for reversing the compression-evaporation cycle of a refrigerating system. By reversing the cycle, heat (usually absorbed by the evaporation of the refrigerant within the condenser) is expelled as the refrigerant is compressed and condensed within the evaporator. Frost, accumulated on the evaporator, is melted free and falls off in solid form. The manner of freeing the evaporator of ice does not raise the temperature of the refrigerated space so that the valve is adapted for use on equipment designed for below-freezing evaporation. The valve is automatically released when the defrosting operation is complete. (Owner) Lonnie A. Dickens, 816 Brookside Ave., Charlotte, N. C. Group 35—84. Reg. No. 19,086.

Pat. 2,438,154. HILL-HOLDING BRAKE DEVICE. Patented Mar. 23, 1948. Device may be added to a conventional automobile gear shifting mechanism. Mounted on counter gear ahead of reversing mechanism at point where transmission turns in same direction as motor. This converts the counter gear with its driving gear into a hydraulic pump so that it will not run in reverse inasmuch as normal grease is drawn into housing formed by the device locking the gears. This action restricts the vehicle from moving backward when any forward gears are in mesh, and from forward movement when reverse gears are in mesh, but permits movement in selected direction without restriction. (Owner) Lonnie A. Dickens, 816 Brookside Ave., Charlotte, N. C. Group 38—31. Reg. No. 19,087.

Pat. 2,446,910. CONTROLS AND SYSTEMS FOR DEFROSTING COOLING UNITS OF REFRIGERATING MACHINES. Patented Aug. 10, 1948. A motor-operating mechanism for a valve, the function of which is similar to Patent 2,381,651 (Reg. No. 19,086) in reversing the operations of a refrigerator condenser and evaporator for defrosting purposes. A reversing valve is connected to both sides of the compressor, and to one end of the evaporator and condenser, the latter each provided with a thermostatically controlled expansion valve. Movement of the valve stem is limited by tension, and automatically adjusts itself so that required pressure is exerted on the stem to compensate for any wear on the valve seat. A clutch is included in the mechanism which slips when proper tension is exerted on the stem to break the circuit operating the motor in the direction last traveled, but when necessary leaves the circuit closed to operate the motor in the opposite direction. (Owner) Lonnie A. Dickens, 816 Brookside Ave., Charlotte, N. C. Group 35—84. Reg. No. 19,088.

Pat. 2,452,694. ANCHOR FASTENING. Patented Nov. 2, 1948. Picture hook is formed from a single strip of metal. Upper end of strip is bent to form a V-shaped hook to receive picture wire. Outer leg of hook terminates in an in-bent flange through which a screw is threaded to clamp wire in hook. Lower end of strip is bent to form an intermediate offset portion with inclined ends, the upper end bearing against unbent portion of strip. To anchor hook to wall, a nail is passed through misaligned openings in doubled lower end of strip and driven into wall. (Owner) Aurelius Sofia, 87 Bradford St., Harrison, N. Y. Groups 23—59; 39—99; 40. Reg. No. 19,089.

Pat. 2,451,923. COAL DRILL AND CHUCK. Patented Oct. 19, 1948. A drill chuck has a threaded end for attachment to a drill drive shaft. A drill stop mounted in the chuck adjacent the threaded end has a centered countersunk depression into which the end of a coal drill bit is seated. A pair of hooked lugs at end of the drill engage a pair of rivets in the chuck to withdraw or retard the drill. Drill is quickly detached from chuck by giving a short turn to the left. (Co-owner) Andrew J. Cox, Route 1, Box 77, Falls Mills, Va. Group 35—33—43. Reg. No. 19,090.

Pat. 2,432,829. ANTISKID DEVICE FOR VEHICLES. Patented Dec. 9, 1947. An anti-skid tire chain has a series of spaced metal plates with spaced hollow projections to prevent skidding, and cut-outs near the ends for attachment to side chains. The plates are formed with inclined portions to prevent slippage on the tire and have curled ends which are so positioned as to space the chains away from the tire to prevent wear and tear on the tire. (Owner) Mads Marthinsen, 412 Fir St., Michigan City, Ind. Group 33—49. Reg. No. 19,091.

Pat. 2,452,827. SHARPENING DEVICE FOR THE CUTTING ROLLERS OF PENCIL SHARPENERS. Patented Nov. 2, 1948. A device for sharpening the rollers of a conventional pencil sharpener. A detachable U-shaped bracket has an abrasive portion which is inserted over the spiral cutting rollers after the shavings case has been removed. By turning the handle of the pencil sharpener in a reverse direction the cutting rollers will turn in a reverse direction so that the cutting edges are sharpened. Holder may be made of plastic, and abrasive portion (such as emery cloth) held by an elastic band. (Owner) Fred H. Bearden, 712 Maple St., Spartanburg, S. C. Groups 32—91; 33—51; 35—79; 39—51; 40. Reg. No. 19,092.

Pat. 2,453,530. FOOD PRESERVING APPARATUS. Patented Nov. 9, 1948. This cabinet is designed to permit food to be preserved during many months of the year by utilising the free flow of cold atmospheric air. The air is humidified by water in a reservoir inside bottom of cabinet. When necessary this action may be supplemented by operating a conventional mechanical refrigerating unit inside top of cabinet. The water reservoir is separated from food compartment by a perforated plate. A draft pipe and a vent pipe, both communicating with atmosphere and with food compartment, project inwardly through rear of cabinet. Adjustable closures over inner ends of these pipes may be thermostatically controlled. (Owner) Homer L. Moore, 233 Central Ave., S., Hapeville, Ga. Group 35—84. Reg. No. 19,093.

Pat. 2,443,849. HEATED WINDSHIELD WIPER. Patented June 22, 1948. This heated windshield wiper has a closed circuit for the heating medium whereby the medium is retained and recirculated through the wiper. Wiper maintains a constant temperature which is governed by the temperature of the engine. A closed tubular chamber has a wiper thereon and is provided with an inlet and an outlet for the heating medium. (Owner) James W. Childs, R. F. D. 2, Warrenton, Va. Group 38—81. Reg. No. 19,094.

Pat. 2,452,886. WHEEL CHAIR. Patented Nov. 2, 1948. In this wheel chair occupant may use one hand to turn a crank to propel chair and other hand to operate a steering handle. Chair has a pair of large rear wheels and a pair of small pivotally mounted front wheels. Base of chair is made up of several layers of longitudinally disposed wooden members and interspaced transversely disposed

wooden members. Front wheels are mounted on vertical forks connected by suitable steering mechanism. Steering handle is removably connected to upper end of an axial member of one of the forks. A sprocket wheel on hub of right rear wheel is connected by an endless chain to a small crank-operated sprocket wheel on the upper end of an upright. (Owner) Frank H. Wood, 1958 Junction Ave., Sturgis, S. Dak. Group 25—32. Reg. No. 19,095.

from wire may be conveniently carried by user. It consists of a rotating head having an axially aligned shank, which is connected to a small electric motor. Head and shank are formed so as to receive end of an insulated wire. Pivoted levers connected to a pair of radially disposed tool members in head are suitably weighted to respond to centrifugal force when head is rotated to move the tool members inwardly into operative engagement with the wire. A spring connected to the levers normally holds them and

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 22, 1949

[VOL. 619. No. 4]

ACT OF 1905

wooden members. Front wheels are mounted on vertical forks connected by suitable steering mechanism. Steering handle is removably connected to upper end of an axial member of one of the forks. A sprocket wheel on hub of right rear wheel is connected by an endless chain to a small crank-operated sprocket wheel on the upper end of an upright. (Owner) Frank E. Wood, 1958 Junction Ave., Sturgis, S. Dak. Group 25—32. Reg. No. 19,095.

Pat. 2,452,684. PORTABLE HOD STAND. Patented Nov. 2, 1948. A portable hod carrier stand has an inverted U-shaped cross bar supporting collapsible legs pivotally mounted therein. The hod rests in a channel having a slot in lower surface in which the cross bar is slidably connected. When the hod is being carried, the legs fold against an extensible handle and are held by a spring clip. The legs extend outwardly and co-act with the handle to form a tripod for supporting hod in upright position when it is being loaded or unloaded. (Owner) Vernon C. Robinson, 738 South 4th St., Phoenix, Aris. Group 25—54. Reg. No. 19,096.

Pat. 2,452,831. ANTISKID DEVICE. Patented Nov. 2, 1948. Anti-skid device for tires consists of a U-shaped tread plate with replaceable anti-slip elements detachably secured to its outer surface, and non-chafing means for securing device to wheel and tire. Each anti-slip element consists of a U-shaped base strip having a section of chain welded to its outer face with calk-like formations projecting from alternate links to provide better traction. Each anti-slip element seats in a channel formed between spaced ribs on outer surface of tread plate. The non-chafing means includes tough fabric wings secured to ends of tread plate for embracing sides of tire. (Owner) R. J. Burkhart, 198 Walnut St., Nutley, N. J. Groups 33—49; 38—31. Reg. No. 19,097.

Pat. 2,452,423. TOOL FOR REMOVING WIRE INSULATION. Patented Oct. 26, 1948. Small power-driven tool for removing hard insulation, such as coatings of enamel, etc., from wire may be conveniently carried by user. It consists of a rotating head having an axially aligned shank, which is connected to a small electric motor. Head and shank are formed so as to receive end of an insulated wire. Pivoted levers connected to a pair of radially disposed tool members in head are suitably weighted to respond to centrifugal force when head is rotated to move the tool members inwardly into operative engagement with the wire. A spring connected to the levers normally holds them and tool members in retracted position. (Owner) Arthur P. Bass, 318 Mulberry St., Newark, N. J. Groups 33—52; 35—42—43. Reg. No. 19,098.

Dedicated Patents

The two companies Jackson & Perkins Company of Newark, N. Y., and Dixie Rose Nursery of Tyler, Tex., do hereby dedicate the following patent to the people of the United States of America for the free use of all persons.

Plant Pat. 163. ROSE. Patented Jan. 21, 1936. The bloom of this rose is identical to its parent variety known commercially as the "Gov. Alfred E. Smith." Plant differs, however, in that it is distinguished by a climbing habit. Plant reaches great height in one season and, since the wood is hard, with little pith, it may be grown in northern areas.

Chemre Corporation, a corporation of Nevada, does hereby assign and dedicate the improvements described in the following patent to the people of the United States of America for the free use of all persons, firms, and corporations in the United States, its territories, and possessions.

Pat. 2,359,380. JAR SEAL. Patented Oct. 3, 1944. Lid for a fruit jar is formed with an annular depending flange. A gasket loaded with thermoplastic material or the like surrounds the flange. When the lid is placed on neck of a jar having an upwardly opening annular groove, the flange seats in the groove. The gasket is heated to desired temperature so that material will exude from gasket and flow into a crevice between lower end of flange of lid and groove of jar. Modifications shown. Group 32—21.

TRADE-MARKS

OFFICIAL GAZETTE, FEBRUARY 22, 1949

[VOL. 619. No. 4]

ACT OF 1905

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication. As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Marks published for opposition under the act of 1946 follow the 1905 publications.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 523,400. LYON, INCORPORATED, Detroit, Mich. Filed June 2, 1947.

WHITEWALLS

FOR CLEANING FLUID FOR REMOVAL OF ROAD TARS AND OILS FROM AUTOMOTIVE VEHICLES.
Claims use since July 24, 1946.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 501,925. PARAMOUNT PEST CONTROL SERVICE, Oakland, Calif. Filed May 11, 1946.

FOR ANT SYRUP, INSECT POWDER, MOTH SPRAY, FUNGUS SOLUTION, MOTH CRYSTALS, BED BUG SPRAY, FLY SPRAY, ROACH POWDER, RODENT GRAIN, PHOSPHORUS PASTE, POISON GRAIN, AND SODIUM FLUORIDE.
Claims use since November 1938.

Ser. No. 502,031. STEEL PHARMACEUTICAL CO. INC., New York, N. Y. Filed May 13, 1946.

MI-VITES

FOR VITAMIN AND MINERAL TABLETS.
Claims use since Apr. 30, 1946.

Ser. No. 502,911. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich. Filed May 28, 1946.

PESTMIST

FOR CHEMICALS FOR PEST CONTROL.
Claims use since May 2, 1946.

Ser. No. 503,198. WILLIAM S. HIEBER, doing business as Henri Monet, Atlanta, Ga. Filed June 3, 1946.

I WONDER... WHO?

FOR PERFUMES.
Claims use since October 1932.

Ser. No. 525,420. SUN OIL COMPANY, Philadelphia, Pa. Filed July 1, 1947.

SUNOCO

FOR CHEMICAL ANTI-FRICTION COMPOUND FOR RUBBER MOUNTINGS OR FITTINGS; INSECTICIDES; SHOCK ABSORBER FLUID; ANTI-FREEZE; RADIATOR STOP LEAK COMPOUND; CHEMICAL RADIATOR CLEANER; MICROCRYSTALLINE AND CRYSTALLINE PETROLEUM WAX AND HAVING A GENERAL USE IN INDUSTRY; CHEMICAL RADIATOR RUST RESISTOR AND BRAKE FLUID.
Claims use since June 14, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 522,308. RUSSELL INDUSTRIES, INC., Bridgeville, Pa. Filed May 13, 1947.

PAV-ALL

The syllable "Pav" is disclaimed apart from the mark.
FOR ASPHALTIC PAVING MATERIAL FOR ROADS AND THE LIKE, AND MADE FROM AGGREGATE MIXED WITH ASPHALT OR TAR.
Claims use since Mar. 15, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,011. JOHN H. MILLIGAN, San Francisco, Calif. Filed June 27, 1947.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 469,956. EASTERN AMPLIFIER CORPORATION, New York, N. Y. Filed Oct. 15, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 524,978. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 490,589. GRAY COMPANY, INC., Minneapolis, Minn., assignor to Gray Company, Inc., a corporation of Minnesota. Filed Oct. 27, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 525,011. JOHN H. MILLIGAN, San Francisco, Calif. Filed June 27, 1947.

MAR-MIL

FOR CLEANER CAN STAND—NAMELY, A PLASTIC HOLDER POSITIONED ON THE SINK OR LIKE PLACE IN A KITCHEN, WHICH HOLDER DETACHABLY RETAINS THEREIN A CLEANSER CONTAINING CAN.
Claims use since Sept. 4, 1946.

CLASS 15

OILS AND GREASES

Ser. No. 500,403. MARITIME PETROLEUM CORPORATION, New York, N. Y. Filed Apr. 17, 1946.

MARIPET

FOR GASOLINE, KEROSENE, LUBRICATING OIL, AND GREASES, AND FUEL OIL FOR HEATING.
Claims use since Aug. 30, 1945.

Ser. No. 521,325. GEORGE S. W. COCHRANE, Minneapolis, Minn. Filed Apr. 25, 1947.

MOLENE

FOR LUBRICATING OIL AND GREASE.
Claims use since December 1946.

Ser. No. 524,836. UNION CARBIDE AND CARBON CORPORATION, New York, N. Y. Filed June 25, 1947.

HALOWAX

FOR SYNTHETIC OIL AND SOLID DERIVATIVES THEREOF FOR USE AS ADDITIVES FOR GASOLENE TO PREVENT AND ELIMINATE GUM DEPOSITS, FOR USE AS ADDITIVES FOR LUBRICATING OIL TO INCREASE THE FILM STRENGTH AND PENETRATING QUALITY OF THE OIL AND FOR USE AS ADDITIVES FOR CUTTING OILS TO ACT AS A COOLANT AND TO PROVIDE ANTI-FLUX ACTION AT TOOL POINT CONTACTS.
Claims use since 1926.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 489,950. EASTERN AMPLIFIER CORPORATION, New York, N. Y. Filed Oct. 15, 1945.

The schematic representation of the electronic tube is disclaimed apart from the mark.
FOR RADIO-RECEIVING SETS, RADIO-TRANSMITTING SETS, TELEVISION-RECEIVING SETS, TELEVISION-TRANSMITTING SETS, SOUND-AMPLIFIER SETS AND INSTRUMENTS.
Claims use since Sept. 12, 1945.

Ser. No. 494,168. TECO SOCIETE ANONYME, Bois-de-Breux, near Liege, Belgium. Filed Dec. 31, 1945.

SURMAS

FOR APPARATUS FOR PROTECTION AGAINST SHOCK CAUSED BY SHORT CIRCUITS ON ELECTRICALLY OPERATED MACHINERY AND APPLIANCES, SAID APPARATUS CONSISTING OF A COIL AND SWITCH AND FUNCTIONING TO BREAK THE POWER CIRCUIT UPON ACCIDENTAL GROUNDING OF THE LINE CONDUCTOR ON THE MACHINERY AND/OR APPLIANCES.
Claims use since June 1933.

Ser. No. 507,937. THE REFLEX SPARK PLUG COMPANY, Cleveland, Ohio. Filed Aug. 23, 1946.

REFLEX

FOR SPARK PLUGS.
Claims use since June 15, 1909.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 524,978. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

FOR CHILDREN'S BICYCLES.
Claims use since 1927.

Ser. No. 524,982. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

FOR CHILDREN'S BICYCLES.
Claims use since 1927.

Ser. No. 524,984. D. P. HARRIS HARDWARE & MANUFACTURING CO., INC., New York, N. Y. Filed June 27, 1947.

FOR CHILDREN'S BICYCLES.
Claims use since 1905.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 490,589. GRAY COMPANY, INC., Minneapolis, Minn., assignor to Gray Company, Inc., a corporation of Minnesota. Filed Oct. 27, 1945.

The word "Products" is disclaimed apart frm the mark.
FOR TREADLE, HAND, AIR, AND/OR MECHANICALLY OPERATED CLEANING MACHINES FOR THE WASHING OF AUTOMOTIVE TYPE AIR CLEANERS AND OTHER SMALL AUTOMOTIVE PARTS AND TOOLS BY FORCING CLEANING FLUID UNDER PRESSURE IN AN AGITATED STATE UPON, OVER, AROUND, AND THROUGH THE PARTS BEING CLEANED; PORTABLE UNITARY PRESSURE ACTIVATED HYDRAULIC BRAKE BLEEDERS; NON-ELECTRIC PORTABLE CABINET VACUUM CLEANERS WITH ATTACHMENTS FOR CLEANING AUTOMOTIVE INTERIORS; WORK BENCHES; AIR AND ELECTRICALLY OPERATED PUMPS FOR THE PUMPING OF MASTICS—NAMELY, SOUND-DEADENING MATERIALS, UNFIBRATED AND FIBRATED PROTECTIVE COATINGS, MILL WHITE PAINTS, OIL PAINTS, LACQUER, AND CASEIN PAINTS; TIRE BUFFING LATHES AND BUFFERS; ELECTRICALLY HEATED RECAPPERS FOR VULCANIZING NEW TREAD OR CAMELBACK ON TIRES; GASOLINE DRIVEN SINGLE CATERPILLAR GARDEN CULTIVATING MACHINES; AND LUBRICATING AND LUBRICANT-HANDLING DEVICES, EQUIPMENT, APPARATUS, MACHINES, MACHINERY, TOOLS, AND IMPLEMENTS MANUALLY, ELECTRICALLY, HYDRAULICALLY, MECHANICALLY, OR PNEUMATICALLY OPERATED—NAMELY, GREASE, GEAR OIL, AND LUBRICATING OIL DISPENSERS AND LUBRICATORS FOR THE PRESSURE APPLICATION OF GREASES, GEAR OILS, AND LUBRICATING OILS TO LUBRICATION FITTINGS OR OTHER LUBRICATION POINTS, GEAR CASES AND CRANK CASES OF AUTOMOBILES AND FARM AND INDUSTRIAL EQUIPMENT; GREASE GUNS; LUBRICANT-DISPENSING COMPRESSORS; GREASE COMPRESSORS; NON-MEASURING PUMPS FOR PUMPING GREASES, GEAR OILS, AND LUBRICATING OILS; NON-MEASURING PUMPS FOR THE PUMPING OF GASOLINE, KEROSENE, SOLVENTS, ALCOHOL, AND OTHER LIQUIDS; PRESSURE OIL SPRAYERS; METAL CABINETS AND CABINET-LIKE SHIELDS EQUIPPED WITH PUMPS FOR DISPENSING LUBRICATING OILS, GREASES, AND GEAR OILS AND WITH VALVES OR FAUCETS AND GAUGES; HOSE REELS FORMING PART OF LUBRICATING EQUIPMENT, ON WHICH REELS ARE MOUNTED HOSES FOR THE DISPENSING OF GREASES, GEAR OILS, AND LUBRICATING OILS, WHICH HOSES ARE RETRACTED BY SPRING ACTION UPON THE REELS AFTER THE SUBSTANCE BEING DISPENSED HAS BEEN DELIVERED; WELLS IN THE FORM OF ENCLOSURES INTO WHICH LUBRICANT-DISPENSING HOSES ARE RETRACTED BY WEIGHTS; CRANK CASE AND GEAR CASE FLUSHERS FOR THE CIRCULATION OF FLUSHING OILS, WHETHER HEATED OR COLD, THROUGH SUCH

CASES AND FOR THE REMOVAL OF THE FLUSHING COMPOUNDS; CRANK CASE AND GEAR CASE DRAINERS FOR THE DRAINING OF SUCH CASES BY SUCTION; MANUAL OR MECHANICAL APPARATUS

Ser. No. 521,734. GINSBERG MACHINE CO., INC., New York, N. Y. Filed May 2, 1947.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 524,666. SLEEPWEAR, INC., New York, N. Y. Filed June 23, 1947.

CASES AND FOR THE REMOVAL OF THE FLUSHING COMPOUNDS; CRANK CASE AND GEAR CASE DRAINERS FOR THE DRAINING OF SUCH CASES BY SUCTION; MANUAL OR MECHANICAL APPARATUS FOR PACKING WHEEL BEARINGS WITH LUBRICANTS; WASHING APPARATUS FOR BEARINGS; MANUALLY, MECHANICALLY, AND/OR AIR OPERATED APPARATUS FOR FORCING CLEANING FLUIDS, SUCH AS SOLVENT OR LEAD-FREE GASOLINE, OVER, AROUND, AND THROUGH BALL AND ROLLER BEARINGS; CABINETS FOR CONTAINING LUBRICANT-APPLYING TOOLS AND FITTINGS; AND PARTS FOR ALL OF THE FOREGOING.
Claims use since July 30, 1945.

Ser. No. 501,902. DEERE & COMPANY, Moline, Ill. Filed May 11, 1946.

Touchromatic

The word "Touch" is disclaimed apart from the mark. The drawing is lined to indicate the colors green and yellow.
FOR TRACTORS EQUIPPED WITH HYDRAULIC POSITION CONTROL MECHANISM FOR TRACTOR MOUNTED IMPLEMENTS.
Claims use since Sept. 1, 1945.

Ser. No. 503,332. SPARTAN TOOL COMPANY, Chicago, Ill. Filed June 5, 1946.

Spartan

FOR FLEXIBLE CABLE TYPE PORTABLE, HAND MANIPULATED TOOLS FOR USE IN CLEANING SEWERS.
Claims use since May 1, 1945.

Ser. No. 503,766. SOCIÉTÉ GENEVOISE D'INSTRUMENTS DE PHYSIQUE, Geneva, Switzerland. Filed June 12, 1946.

ROTOPTIC

FOR MACHINE-TOOLS—NAMELY, JIG BORERS, DRILLING, BORING, AND MILLING MACHINES.
Claims use since Apr. 14, 1945.

Ser. No. 515,466. SPIR-IT, INC., Malden, Mass. Filed Jan. 6, 1947.

SPREDETTE

FOR SPATULAS USED TO MIX COMESTIBLES SUCH AS MUSTARD, SAUCES, JAMS, JELLIES, OR TO MIX COSMETICS SUCH AS FACE POWDER AND FOR SIMILAR HOUSEHOLD USES.
Claims use since Aug. 19, 1946.

Ser. No. 521,734. GENEVOISE MACHINE CO., INC., New York, N. Y. Filed May 2, 1947.

SAMSON

FOR CUTTING BOARD PINS USED FOR MAINTAINING IN ALIGNMENT THE DESIGNS OF SUPERIMPOSED LAYERS OF CLOTH OR OTHER FLEXIBLE MATERIAL MOUNTED ON A CUTTING BOARD PREPARATORY TO AND DURING THE CUTTING OF THE LAYERS TO DESIRED DIMENSIONS.
Claims use since Mar. 13, 1947.

Ser. No. 522,391. H. BOKER & CO., INC., New York, N. Y. Filed May 14, 1947.

TREE

FOR POCKET KNIVES MADE OF BASE METAL.
Claims use since Jan. 1, 1867.

Ser. No. 525,022. ORREFRACTION INCORPORATED, Pittsburgh, Pa. Filed June 27, 1947.

FOR CERAMIC GRINDING BODIES, AND CERAMIC ABRASIVE BODIES.
Claims use since May 14, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 513,918. THE VITRON CORPORATION, Wilmington, Del. Filed Dec. 7, 1946.

Vitron

FOR TUBING MADE OF GLASS FIBERS AND IMPREGNATED WITH VARNISH TO BE USED FOR CONDUITS AND HOSE.
Claims use since Oct. 30, 1946.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 512,795. WILLIAM E. QUINN, Houston, Tex. Filed Nov. 18, 1946.

Gold Star

FOR GROOVED MUSICAL RECORDINGS.
Claims use since July 1, 1946.

CLASS 39

CLOTHING

Ser. No. 521,382. SUSE BRECHER DANNENBERG, doing business as "Suse," Los Angeles, Calif. Filed Apr. 26, 1947.

Suse

FOR SWEATERS.
Claims use since June 1, 1942.

Ser. No. 524,666. SLEEPWEAR, INC., New York, N. Y. Filed June 23, 1947.

The specific representation of pajamas appearing on the grotesque figures in the drawing are specifically disclaimed apart from the mark.
FOR PAJAMAS.
Claims use since Apr. 9, 1947.

Ser. No. 525,943. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 3, 1947.

SEVEN WONDERS OF THE WORLD

FOR SPORT SHIRTS, PAJAMAS, AND NECKTIES.
Claims use since Mar. 26, 1947.

Ser. No. 525,945. PHILLIPS-JONES CORPORATION, New York, N. Y. Filed July 3, 1947.

VAN GAB

FOR MEN'S COLLARS, SPORT SHIRTS, SPORT JACKETS, OUTER SHIRTS, NECKTIES, AND PAJAMAS.
Claims use since Apr. 24, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 522,727. CHARMETTE FABRICS COMPANY, INC., New York, N. Y. Filed May 20, 1947.

TRICO-CHARM

The word "Trico" is disclaimed apart from the mark.
FOR TRICOT KNIT JERSIES IN THE PIECE.
Claims use since May 9, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 502,446. JAMES MARSHALL (DEVON) LIMITED, [illegible]

Ser. No. 523,432. SMYRNA IMPORTS CO. INC., New York, N. Y. Filed June 2, 1947.

FOR CERAMIC GRINDING BODIES, AND CERAMIC ABRASIVE BODIES.
Claims use since May 14, 1940.

ACT OF 1946

The following trade-marks are published in compliance with section 13(a) of the Trade-Mark Act of 1946. Notice of [illegible] section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 502,446. JAMES MARSHALL (DEVON) LIMITED, Totnes, England, assignor to James Storey Marshall, Totnes, England. Filed May 20, 1946.

WIDDECOMBE FAIR

No claim is made to the exclusive use of the word "Widdecombe."
FOR CANDY.
Claims use since Jan. 19, 1933.

Ser. No. 516,541. FARMERS EXCHANGE, INC., Onley, Va. Filed Jan. 29, 1947.

FARMEX

The picture of the man appearing on the drawing is fanciful.
FOR FRESH VEGETABLES.
Claims use since Jan. 1, 1946.

Ser. No. 521,293. STAHL-MEYER, INC., New York, N. Y. Filed Apr. 24, 1947.

OUR TRADE MARK HAM

FOR SMOKED MEATS—VIZ., HAM.
Claims use since Apr. 1, 1876.

Ser. No. 523,432. SMYRNA IMPORTS CO. INC., New York, N. Y. Filed June 2, 1947.

Applicant owns Reg. Nos. 229,522 and 229,523. No claim is made to the word "Products."
FOR DATES.
Claims use since June 1, 1926.

Ser. No. 525,283. NATIONAL CANINE PRODUCTS, INC., New York city and Brooklyn, N. Y. Filed June 30, 1947.

LIFESPAN

FOR FOODS FOR ANIMALS OF THE DOG FAMILY.
Claims use since October 1936.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 515,761. SANCHEZ ROMATE HERMANOS, S. A., Jeres de la Frontera, Spain. Filed Jan. 15, 1947.

ABOLENGO

FOR WHISKEY, GIN, RUM, BRANDY, COGNAC, LIQUEUR, AND ALCOHOLIC CORDIALS.
Claims use since Feb. 11, 1946.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 522,730. BELL INDUSTRIES, INC., Chicago, Ill. Filed May 20, 1947.

ICE-GLO

The word "Glo" is disclaimed apart from the mark.
FOR ORNAMENTAL BALLS FOR USE ON CHRISTMAS TREES AND FOR OTHER ORNAMENTAL PURPOSES.
Claims use since Mar. 3, 1947.

ACT OF 1946

The following trade-marks are published in compliance with section 12(a) of the Trade-Mark Act of 1946. Notice of opposition under section 13 may be filed within thirty days of this publication. See Rules 20.1 to 20.5.
As provided by section 31 of said act, a fee of twenty-five dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 503,543. AMERICAN EXTRUDED PRODUCTS CO., Hollywood, Calif. Filed Oct. 17, 1947; originally filed, act of 1905, June 10, 1946.

Amepco

FOR PLASTIC MEMBERS FORMED BY EXTRUSION IN THE FORM OF RIGID OR SEMI-RIGID SHEETS, RODS, BARS, STRIPS, PROFILES, RIBBON, COILS, AND SPECIAL SHAPES, ALL FOR FABRICATION INTO VARIOUS MANUFACTURED ARTICLES.
Claims use since Aug. 31, 1941.

Ser. No. 547,991. GULF & WEST INDIES CO., INC., New York, N. Y. Filed Jan. 26, 1948.

ZAGNEB

FOR SPONGES.
Claims use since Nov. 1, 1946.

Ser. No. 548,201. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Jan. 28, 1948.

KOYLON

FOR FLATSTOCK OF FOAM RUBBER FOR FILLERS FOR FURNITURE CUSHIONS.
Claims use since Dec. 2, 1946.

Ser. No. 548,614. SPHAR & COMPANY, Winchester, Ky. Filed Feb. 2, 1948.

PURITAN

FOR FIELD SEEDS.
Claims use since 1940.

Ser. No. 548,660. LEAS & MCVITTY, INC., Philadelphia, Pa. Filed Feb. 3, 1948.

LEAMAC

Applicant claims ownership of registration No. 357,972.
FOR LEATHER.
Claims use since Jan. 19, 1938.

Ser. No. 549,114. BLACK HILLS BENTONITE, INC., Moorcroft, Wyo. Filed Feb. 9, 1948.

TOWER

FOR BENTONITE SOLD TO THE TRADE IN COMMINUTED FORM IN BAGS.
Claims use since July 12, 1947.

Ser. No. 549,115. BLACK HILLS BENTONITE, INC., Moorcroft, Wyo. Filed Feb. 9, 1948.

The mark is a fanciful representation of a tower rising above surrounding trees.
FOR BENTONITE SOLD TO THE TRADE IN COMMINUTED FORM IN BAGS.
Claims use since July 12, 1947.

Ser. No. 563,989. THE PHILADELPHIA AND READING COAL AND IRON COMPANY, Philadelphia, Pa. Filed Apr. 2, 1948. Under section 2f of the act of 1946.

READING

Applicant claims ownership of registrations Nos. 229,012, 192,216, 242,049, and 242,348.
FOR COAL.
Claims use since September 1912.

CLASS 2

RECEPTACLES

Ser. No. 526,845. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 192,216, 242,049, and 242,348.
FOR BAGS.
Claims use since 1940.

Ser. No. 526,889. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 192,216, 242,049, and 242,348.
FOR BAGS.
Claims use since 1940.

Ser. No. 537,015. COOPERS INTERNATIONAL UNION OF NORTH AMERICA, Boston, Mass. Filed Oct. 7, 1947.
CERTIFICATION MARK.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 514,964. ALEXANDER R. PATTERSON, doing business as PATTERSON-KELLEY CO., East Stroudsburg, Pa. Filed Mar. 31, 1947.

Applicant claims ownership of registration No. 357,972.
FOR ABRASIVE CLEANSING POWDER.
Claims use since Jan. 19, 1938.

CLASS 2

RECEPTACLES

Ser. No. 526,845. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947.

FLEXI-CARTON

The word "Carton" is disclaimed apart from the mark
Applicant claims ownership of registrations Nos. 245,747 and 340,780.
FOR PAPER BAGS.
Claims use since Oct. 7, 1927.

Ser. No. 526,857. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947.

Applicant claims ownership of registrations Nos. 120,242, 169,435, 219,995, 266,776, and 266,777.
FOR BAGS AND SACKS MADE OF TEXTILE MATERIALS, PAPER, LAMINATED TEXTILE MATERIAL AND/OR PAPER AND MOISTURE RESISTANT MATERIAL.
Claims use since Jan. 1, 1881.

Ser. No. 526,860. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947.

TRY-SAX

The word "Sax" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 425,551.
FOR FABRIC BAGS AND SACKS.
Claims use since January 1941.

Ser. No. 526,874. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 120,242, 169,435, 219,995, 266,776, 266,777, 372,807, 416,343, 416,879, 421,218, 423,429, 423,767, 424,933, 426,940, 427,085, 427,086, 428,425, 430,580, and 504,279.
FOR FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE.
Claims use since July 1, 1929.

Ser. No. 526,889. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 120,242, 169,435, 219,995, 266,776, 266,777, 372,807, 416,343, 416,879, 421,218, 423,429, 423,767, 424,933, 426,940, 427,085, 427,086, 428,425, 430,580, and 504,299.
FOR FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE.
Claims use since July 1, 1925.

Ser. No. 533,561. THE GREIF BROS. COOPERAGE CORPORATION, Cleveland, Ohio. Filed Sept. 5, 1947. Under section 2f of the act of 1946.

The representation of a barrel is disclaimed apart from the mark.
FOR BARRELS AND DRUMS OF STEEL AND FIBER OR BOTH.
Claims use since July 11, 1935.

Ser. No. 535,632. S. & F. COMPANY, Hartford, Conn. Filed Sept. 24, 1947.

Toy-Tainers

The word "Toy" is disclaimed.
FOR BAGS MADE OF CLOTH AND WIRE.
Claims use since Oct. 15, 1945.

Ser. No. 537,015. COOPERS INTERNATIONAL UNION OF NORTH AMERICA, Boston, Mass. Filed Oct. 7, 1947. CERTIFICATION MARK.

The words "Union Made" and "Locals" are disclaimed apart from the mark.
FOR USE ON WOODEN BARRELS.
Claims use since 1892.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 535,760. SWANK, INC., Attleboro, Mass. Filed Sept. 25, 1947.

Senator

FOR WALLETS OR BILLFOLDS.
Claims use since December 1945.

Ser. No. 543,375. ABEL & BACH, INC., Milwaukee, Wis. Filed Dec. 5, 1947.

Applicant disclaims the right to the exclusive use of the outline of the representation of the label apart from the mark.
FOR SUITCASES.
Claims use since Feb. 15, 1946.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 514,964. ALEXANDER R. PATTERSON, doing business as Lyman-Ross Co., Seattle, Wash. Filed Mar. 1, 1948; originally filed, act of 1905, Dec. 28, 1946.

CHEE

FOR WASHING POWDER.
Claims use since July 20, 1946.

Ser. No. 530,563. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Aug. 5, 1947.

RADIANT

Applicant claims ownership of registration No. 98,803.
FOR SUDSING DETERGENT IN PASTE FORM.
Claims use since Jan. 24, 1947.

Ser. No. 533,097. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

PAYDET

FOR DETERGENT COMPOUND FOR USE IN INDUSTRIAL AND DOMESTIC CLEANING.
Claims use since Nov. 6, 1946.

Ser. No. 533,098. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

C. C. S. ALKALI

"Alkali" is disclaimed apart from the mark.
FOR ALKALINE DETERGENT COMPOUND FOR INDUSTRIAL CLEANING AND WASHING PURPOSES, ESPECIALLY FOR BOTTLE WASHING IN THE FOOD AND BEVERAGE INDUSTRIES.
Claims use since June 1938.

Ser. No. 533,099. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

B. C. X.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 516,083. MAGNOLIA CHEMICAL CO., INC., Jackson, Miss. Filed Sept. 15, 1948; originally filed, act of 1920,

MONOCHLORACETIC, ACID NITRIC, ACID NITROHYDROCHLORIC, ACID OLEIC, ACID OXALIC, ACID PARAHYDROXYPHENYLARSONIC, ACID PERCHLORIC, ACID PEROSMIC, ACID PHENYLACETIC, ACID PHOSPHOMOLYBDIC, ACID PHOSPHORIC, ACID METAPHOSPHORIC, ACID PHOSPHOTUNGSTIC, ACID PHTHALIC ANHYDRIDE, ACID PICRIC, ACID PYRO-

MUTH TANNATE, BISMUTH AND AMMONIUM CITRATE, BISMUTH AND POTASSIUM TARTRATE, BLAUD'S MIXTURE, BLUE VITRIOL, BORAX, BROMINE, BROMOFORM, BROWN PATCH FUNGICIDE, BRUCINE ALKALOID, BRUCINE SULFATE, CADMIUM METAL FOR USE AS A REAGENT, CADMIUM ACETATE, CADMIUM BROMIDE, CADMIUM CARBONATE, CADMIUM CHLORIDE, CADMIUM IODIDE,

Ser. No. 533,099. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

B. C. X. SPECIAL

"Special" is disclaimed apart from the mark.
FOR ALKALINE DETERGENT COMPOUND FOR INDUSTRIAL LAUNDERING.
Claims use since November 1938.

Ser. No. 533,102. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich. Filed Sept. 2, 1947.

EMLON

FOR CLEANING COMPOUND ESPECIALLY ADAPTED FOR METAL CLEANING.
Claims use since Dec. 13, 1946.

Ser. No. 557,734. THE DIVERSEY CORPORATION, Chicago, Ill. Filed May 25, 1948.

DIVOLUME

The trade-mark comprises the word "Divolume."
FOR CLEANING COMPOUND IN POWDERED FORM FOR CLEANING ALUMINUM SURFACES AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES.
Claims use since Apr. 28, 1948.

Ser. No. 557,862. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed May 26, 1948.

DUOMERSE

FOR SYNTHETIC DETERGENT COMPOSITIONS FOR GENERAL CLEANING PURPOSES.
Claims use since Apr. 7, 1948.

Ser. No. 558,425. VIRGINIA-CAROLINA CHEMICAL CORPORATION, Richmond, Va. Filed June 3, 1948.

VICAR-EX

FOR GENERAL CLEANSER IN POWDER FORM.
Claims use since Apr. 17, 1948.

Ser. No. 559,408. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y. Filed Feb. 21, 1948.

TALLSO

Applicant claims ownership of registration No. 397,935.
FOR CRUDE TALL OIL (TALLOIL) SOAP DERIVED FROM THE FATS AND RESINS OF PINE WOOD.
Claims use since April 1942.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 516,083. MAGNOLIA CHEMICAL CO., INC., Jackson, Miss. Filed Sept. 15, 1948; originally filed, act of 1920, Jan. 21, 1947. Under section 2f of the act of 1946.

PINE-SOL

FOR PINE OIL.
Claims use since 1929.

Ser. No. 517,367. AL PERLMUTTER, doing business as Karter Chemical Company, Detroit, Mich. Filed Sept. 16, 1947; originally filed, act of 1905, Feb. 12, 1947. Under section 2f of the act of 1946.

karter's COUGH -EZE

FOR COUGH MEDICINE.
Claims use since January 1938.

Ser. No. 522,143. LANCOME S. A., Paris, France. Filed Sept. 18, 1947; originally filed, act of 1905, May 9, 1947.

ALBÂTRE

Applicant claims ownership of French registration No. 371,126 dated Oct. 10, 1946.
FOR ALL KINDS OF CREAMS AND OILS FOR BEAUTIFYING THE SKIN.
Claims use since Oct. 10, 1946.

Ser. No. 526,920. MALLINCKRODT CHEMICAL WORKS, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Mallinckrodt

Applicant claims ownership of registration No. 359,706.
FOR ACETALDEHYDE, ACETAMIDE, ACETANILID, ACETIC ANHYDRIDE, ACETOACETIC ESTER, ACETONE, ACETOPHENETIDIN, ACID ACETIC, ACID ACETYLSALICYLIC, ACID AMINOACETIC, ACID ARSENIC, ACID ARSENIOUS, ACID ASCORBIC, ACID BENZOIC, ACID BORIC, ACID CAMPHORIC, ACID CAPROIC, ACID CARBOLIC, ACID CHROMIC, ACID CITRIC, ACID CRESYLIC, ACID, FORMIC, ACID GALLIC, ACID GLYCEROPHOSPHORIC, ACID HYDRIODIC, ACID HYDROBROMIC, ACID HYDROCHLORIC, ACID HYDROCYANIC, ACID HYDROFLUORIC, ACID HYPOPHOSPHOROUS, ACID IODIC, ACID IODIC ANHYDRIDE, ACID LACTIC, ACID MANDELIC, ACID MOLYBDIC, ACID MOLYBDIC ANHYDRIDE, ACID MONOCHLORACETIC, ACID NITRIC, ACID NITROHYDROCHLORIC, ACID OLEIC, ACID OXALIC, ACID PARAHYDROXYPHENYLARSONIC, ACID PERCHLORIC, ACID PEROSMIC, ACID PHENYLACETIC, ACID PHOSPHOMOLYBDIC, ACID PHOSPHORIC, ACID METAPHOSPHORIC, ACID PHOSPHOTUNGSTIC, ACID PHTHALIC ANHYDRIDE, ACID PICRIC, ACID PYROGALLIC, ACID SALICYLIC, ACID SILICIC, ACID STEARIC, ACID SUCCINIC, ACID SULFANILIC, ACID SULFOCARBOLIC, ACID SULFOSALICYLIC, ACID SULFURIC, ACID SULFUROUS, ACID TANNIC, ACID TARTARIC, ACID TRICHLORACETIC, ACID TUNGSTIC, AGARICIN, ALBUMEN EGG, ALCOHOL AMYL ISO, ALCOHOL AMYL PRIMARY, ALCOHOL BUTYL, NORMAL, ALCOHOL METHYL, ALCOHOL PROPYL ISO, ALKANOLAMINE CARBONATE POLYMERS, ALOIN, ALUM AMMONIUM, ALUM CHROME-AMMONIUM, ALUM POTASSIUM, ALUMINUM METAL FOR USE AS A REAGENT, ALUMINUM ACETATE, ALUMINUM ACETOTARTRATE, ALUMINUM CHLORIDE, ALUMINUM CITRATE, ALUMINUM HYDROXIDE, ALUMINUM NITRATE, ALUMINUM PHOSPHATE, ALUMINUM STEARATE, ALUMINUM SUBACETATE, ALUMINUM SULFATE, ALUMINUM SULFOCARBOLATE, AMIDOL, AMIDONE, AMINOPYRINE, 9-AMINOACRIDINE HYDROCHLORIDE, AMMONIUM ACETATE, AMMONIUM ARSENATE, AMMONIUM BENZOATE, AMMONIUM BICARBONATE, AMMONIUM BIFLUORIDE, AMMONIUM BISULFATE, AMMONIUM BISULFITE, AMMONIUM BORATE, AMMONIUM BROMIDE, AMMONIUM CARBONATE, AMMONIUM CHLORIDE, AMMONIUM CHROMATE, AMMONIUM CITRATE, AMMONIUM DICHROMATE, AMMONIUM FLUORIDE, AMMONIUM HYDROXIDE, AMMONIUM HYPOPHOSPHITE, AMMONIUM ICHTHOSULFANATE, AMMONIUM IODIDE, AMMONIUM MOLYBDATE, AMMONIUM NITRATE, AMMONIUM NITRITE, AMMONIUM OXALATE, AMMONIUM PERSULFATE, AMMONIUM PHOSPHATE MONOBASIC, AMMONIUM PHOSPHATE DIBASIC, AMMONIUM SALICYLATE, AMMONIUM STEARATE, AMMONIUM SULFATE, AMMONIUM SULFIDE, AMMONIUM SULFITE, AMMONIUM TARTRATE, AMMONIUM THIOCYANATE, AMMONIUM THIOSULFATE, AMMONIUM VALERATE, AMMONIUM AND MAGNESIUM PHOSPHATE, AMMONIUM AND MAGNESIUM SULFATE, AMMONIUM AND POTASSIUM TARTRATE, AMYL ACETATE, AMYL NITRITE, ANILINE, ANILINE HYDROCHLORIDE, ANTIMONY METAL FOR USE AS A REAGENT, ANTIMONY CHLORIDE, ANTIMONY SULFIDE, ANTIPYRINE, APIOL, APOMORPHINE HYDROCHLORIDE, ARECOLINE HYDROBROMIDE, ARSENIC METAL FOR USE AS A REAGENT, ARSENIC PENTOXIDE, ARSENIC SULFIDE, ARSENIC TRIIODIDE, ARSENIC TRIOXIDE, ARSENOUS BROMIDE, ARSENOUS IODIDE, ARSENOUS AND MERCURIC IODIDE, ARSPHENAMINE, NEOARSPHENAMINE, SULFARSPHENAMINE, ASPIDOSPERMINE ALKALOID, ATROPINE ALKALOID, ATROPINE SULFATE, AZOLITMIN, BARBITAL, BARBITAL SODIUM, BARIUM ACETATE, BARIUM BROMATE, BARIUM BROMIDE, BARIUM CARBONATE, BARIUM CHLORIDE, BARIUM CHROMATE, BARIUM HYDROXIDE, BARIUM IODIDE, BARIUM NITRATE, BARIUM PEROXIDE, BARIUM STEARATE, BARIUM SULFATE, BARIUM SULFIDE, BARIUM SULFITE, BENZOCAINE, BENZOL, BENZOYL CHLORIDE, BENZYL BENZOATE, BENZYL CHLORIDE, BENZYL CYANIDE, BERBERINE HYDROCHLORIDE, BERBERINE SULFATE ACID, BERBERINE SULFATE NEUTRAL, BETANAPHTHOL, BETANAPHTHOL BENZOATE, BISMUTH METAL FOR USE AS A REAGENT, BISMUTH BETANAPHTHOL, BISMUTH CHLORIDE, BISMUTH CITRATE, BISMUTH HYDROXIDE, BISMUTH LACTATE, BISMUTH NITRATE, BISMUTH OXIDE, BISMUTH OXYCHLORIDE, BISMUTH SALICYLATE, BISMUTH SUBBENZOATE, BISMUTH SUBCARBONATE, BISMUTH SUBGALLATE, BISMUTH SUBIODIDE, BISMUTH SUBNITRATE, BISMUTH SUBSALICYLATE, BISMUTH SULFOCARBOLATE, BISMUTH TANNATE, BISMUTH AND AMMONIUM CITRATE, BISMUTH AND POTASSIUM TARTRATE, BLAUD'S MIXTURE, BLUE VITRIOL, BORAX, BROMINE, BROMOFORM, BROWN PATCH FUNGICIDE, BRUCINE ALKALOID, BRUCINE SULFATE, CADMIUM METAL FOR USE AS A REAGENT, CADMIUM ACETATE, CADMIUM BROMIDE, CADMIUM CARBONATE, CADMIUM CHLORIDE, CADMIUM IODIDE, CADMIUM NITRATE, CADMIUM POTASSIUM IODIDE, CADMIUM SULFATE, CAFFEINE ALKALOID, CAFFEINE BENZOATE, CAFFEINE CITRATED, CAFFEINE HYDROBROMIDE, CAFFEINE SALICYLATE, CAFFEINE AND SODIUM BENZOATE, CAFFEINE AND SODIUM SALICYLATE, CALAMINE, CALCIUM ACETATE, CALCIUM BENZOATE, CALCIUM BROMIDE, CALCIUM CARBONATE, CALCIUM CHLORIDE, CALCIUM CITRATE, CALCIUM CREOSOTATE, CALCIUM FORMATE, CALCIUM GLUCONATE, CALCIUM GLYCEROPHOSPHATE, CALCIUM HYDROXIDE, CALCIUM HYPOPHOSPHITE, CALCIUM IODIDE, CALCIUM LACTATE, CALCIUM LACTOPHOSPHATE, CALCIUM MANDELATE, CALCIUM NITRATE, CALCIUM OXALATE, CALCIUM OXIDE, CALCIUM PANTOTHENATE, CALCIUM PEROXIDE, CALCIUM PHOSPHATE MONOBASIC, CALCIUM PHOSPHATE DIBASIC, CALCIUM PHOSPHATE TRIBASIC, CALCIUM SACCHARATED, CALCIUM SALICYLATE, CALCIUM STEARATE, CALCIUM SULFATE, CALCIUM SULFIDE, CALCIUM SULFITE, CALCIUM SULFOCARBOLATE, CALCIUM AND SODIUM HYPOPHOSPHITE, CALOMEL, CAMPHOR MONOBROMATED, CARBON DISULFIDE, CARBON TETRACHLORIDE, CARBROMAL, CERIUM NITRATE, CERIUM OXALATE, CHLORAL HYDRATE, CHLORAL BUTYL-HYDRATE, CHLORAMINE-T, CHLOROFORM, CHROME ALUM, CHROMIUM ACETATE, CHROMIUM CHLORIDE, CHROMIUM NITRATE, CHROMIUM OXIDE, CHROMIUM SULFATE, CHROMIUM TRIOXIDE, CHRYSAROBIN, CINCHONIDINE, ALKALOID, CINCHONIDINE SALICYLATE, CINCHONIDINE SULFATE, CINCHONINE ALKALOID, CINCHONINE BISULFATE, CINCHONINE HYDROCHLORIDE, CINCHONINE SALICYLATE, CINCHONINE SULFATE, CINCHOPHEN, NEO-CINCHOPHEN, CINNABAR, CITRINE OINTMENT, COBALT ACETATE, COBALT CARBONATE, COBALT CHLORIDE, COBALT NITRATE, COBALT OXIDE, COBALT SULFATE, COCAINE ALKALOID, COCAINE HYDROCHLORIDE, CODEINE ALKALOID, CODEINE HYDROCHLORIDE, CODEINE PHOSPHATE, CODEINE SULFATE, COLCHICINE ALKALOID, COLCHICINE SALICYLATED, COLD TOP ENAMEL USED AS A PHOTOSENSITIVE RESIST FOR MAKING PHOTOENGRAVINGS, COLD TOP ENAMEL DEVELOPER FOR MAKING PHOTOENGRAVINGS, COLD TOP ENAMEL REMOVER FOR MAKING PHOTOENGRAVINGS, COLD TOP ENAMEL PROTECTOR USED AS A SOLVENT INSOLUBLE RESIST FOR MAKING PHOTOENGRAVINGS, COLLODION, COLLODION PHOTO COLLODION PHOTO IODIZER, STRIPPING COLLODION, COLLODION THINNER, COPPER METAL FOR USE AS A REAGENT, COPPER ACETATE, COPPER ALUMINATED, COPPER AMMONIUM CHLORIDE (CUPRIC), COPPER ARSENATE (CUPRIC), COPPER ARSENITE (CUPRIC), COPPER BROMIDE, COPPER CARBONATE (CUPRIC), COPPER CHLORIDE (CUPRIC), COPPER CHLORIDE (CUPROUS), COPPER CITRATE (CUPRIC), COPPER CYANIDE (CUPROUS), COPPER NITRATE, COPPER OXIDE BLACK (CUPRIC), COPPER OXIDE RED (CUPROUS), COPPER SULFATE (CUPRIC), COPPER SULFOCARBOLATE (CUPRIC), COPPER AND POTASSIUM CHLORIDE, COPPER AND POTASSIUM CYANIDE, CORROSIVE SUBLIMATE, COUMARIN, CREAM TARTAR (POTASSIUM BITARTRATE), CREOSOTE, CREOSOTE BEECHWOOD, CREOSOTE CARBONATE, CRESOL, CRESOL SOLUTION COMPOUND, CUPRIC ACETATE, CUPRIC BROMIDE, CUPRIC CARBONATE, CUPRIC CHLORIDE, CUPRIC NITRATE, CUPRIC OXIDE, CUPRIC SULFATE, CUPRIC SULFIDE, CUPROUS CHLORIDE,

CUPROUS SULFIDE, CYANIDE-CHLORIDE MIXTURE, CYANIDE-CHLORIDE-CARBONATE MIXTURE, CYCLOPROPANE, DEXTRIN YELLOW, DEXTRIN WHITE, DEXTROSE, DIBENZYL CARBONATE, DICETYL CARBONATE, DICYCLOHEXYL CARBONATE, DIETHYL BENZYLPHENYLMALONATE, DIETHYL CETYLMALONATE, DIETHYL DECYLMALONATE, DIETHYL OXALATE (FERRIC), IRON AND POTASSIUM TARTRATE (FERRIC), IRON AND QUININE CITRATE (FERRIC), IRON QUININE AND STRYCHNINE CITRATE, IRON AND SODIUM OXALATE (FERRIC), IRON AND STRYCHNINE CITRATE (FERRIC), IRON AND AMMONIUM SULFATE (FERRIC), IRON AND AMMONIUM SULFATE (FERROUS), KAOLIN USED AS

BLACK, NICKEL SULFATE, NICKEL AND AMMONIUM SULFATE, OPIUM, ORGANIC MERCURY COMPOUNDS, ORTHODICHLORBENZENE, OXYQUINOLINE BASE, 2-OXAZOLIDONE, OXYQUINOLINE BENZOATE, OXYQUINOLINE SULFATE, PAPAVERINE HYDROCHLORIDE, PAPER LITMUS BLUE, PAPER LITMUS RED, PAPER PHENOLPHTHALEIN, PARACHLOROPHENOL, PARAFORMALDEHYDE,

SILVER METAL FOR USE AS A REAGENT, SILVER ACETATE, SILVER BROMIDE, SILVER CARBONATE, SILVER CHLORIDE, SILVER CYANIDE, SILVER IODIDE, SILVER LACTATE, SILVER NITRATE, SILVER NITRITE, SILVER NUCLEINATE, SILVER OXIDE, SILVER PROTEINATE, SILVER SULFATE, SODA AND LIME, SODA LIME, SODIUM METAL FOR USE AS A REAGENT, SODIUM ACETATE, SODIUM ARSENATE,

CUPROUS SULFIDE, CYANIDE-CHLORIDE MIXTURE, CYANIDE-CHLORIDE-CARBONATE MIXTURE, CYCLOPROPANE, DEXTRIN YELLOW, DEXTRIN WHITE, DEXTROSE, DIBENZYL CARBONATE, DICETYL CARBONATE, DICYCLOHEXYL CARBONATE, DIETHYL BENZYLPHENYLMALONATE, DIETHYL CETYLMALONATE, DIETHYL DECYLMALONATE, DIETHYL ETHYLISOAMYLMALONATE, DIETHYL ETHYLMALONATE, DIETHYL PARA-IODOPHENYLMALONATE, DIETHYL PHENYLETHYLMALONATE, DIETHYL PHENYLMALONATE, DIGITALIN, 4,4-DI-(HYDROXYMETHYL)-2-OXAZOLIDONE, DILAURYL CARBONATE, DIMETHYL GLYOXIME, 4,4-DIMETHYL-2-OXAZOLIDONE, DIMYRISTYL CARBONATE, DI-N-AMYL CARBONATE, DI-N-BUTYL CARBONATE, DI-N-BUTYL CETYLBENZYLMALONATE, DI-N-HEXYL CARBONATE, DI-N-PROPYL CARBONATE, DI-N-PROPYL OXAZOLADINEDIONE, DIOCTADECYL CARBONATE, DOVER'S POWDER, ELATERIUM, EMETINE HYDROCHLORIDE, EPHEDRINE ALKALOID, EPHEDRINE HYDROCHLORIDE, EPHEDRINE SULFATE, ERGOTIN-BONJEAN, ESCHKA'S MIXTURE, ESERINE ALKALOID, ESERINE HYDROCHLORIDE, ESERINE SALICYLATE, ESERINE SULFATE, ETCHING POWDER, ETHER FOR ANESTHESIA, ETHER CONCENTRATED, ETHER PETROLEUM, ETHYL ACETATE, ETHYL ALPHA-CYANOSTEARATE, ETHYL ALPHA-PHENYLBUTYRATE, ETHYL BROMIDE, ETHYL-CAPROYLACETATE, ETHYL FORMATE, ETHYL IODIDE, ETHYL ISOVALERYLACETATE, ETHYL MERCAPTAN, ETHYL NITRITE, ETHYL MORPHINE HYDROCHLORIDE, ETHYL PARA-METHOXYBENZOYLACETATE, ETHYL PHENYLACETATE, ETHYL PHENYLBENZYLCYANOACETATE, ETHYL PHENYLCYANOACETATE, ETHYL PHENYLETHYLCYANOACETATE, ETHYLENE BROMIDE, EUCALYPTOL, FERRIC CHLORIDE, FERRIC NITRATE, FERRIC SULFATE, FERRIC AMMONIUM SULFATE, FERROUS CHLORIDE, FERROUS SULFATE, FERROUS AMMONIUM SULFATE, FIXING BATH, FLUOR SPAR, FORMALDEHYDE, FUSEL OIL, GLYCERIN, GLYCIN, GLYCOCOLL, GOLD CHLORIDE, GOLD AND SODIUM CHLORIDE, GOLD MONO-BROMIDE, GOLD TRI-BROMIDE, GUAIACOL, GUAIACOL CARBONATE, GUM ARABIC, HEXAMETHYLENAMINE, HOMATROPINE ALKALOID, HOMATROPINE HYDROBROMIDE, HOMATROPINE HYDROCHLORIDE, HOMATROPINE SULFATE, HYDRASTINE ALKALOID, HYDRASTINE HYDROCHLORIDE, HYDRASTINE SULFATE, HYDROGEN PEROXIDE, HYDROQUINONE, 8-HYDROXYETHYL-2-OXAZOLIDONE, 8-HYDROXYQUINOLINE, HYOSCINE HYDROBROMIDE, HYOSCINE HYDROCHLORIDE, HYOSCYAMINE ALKALOID, HYOSCYAMINE HYDROBROMIDE, HYOSCYAMINE HYDROCHLORIDE, HYOSCYAMINE SULFATE, INDICATING SODA LIME, IODIDE MIXTURE, IODINE, IODINE TINCTURE, IODOFORM, IODOPHTHALEIN SODIUM, IRON METAL FOR USE AS A REAGENT, IRON ACETATE, IRON ALBUMINATED, IRON ARSENATED, IRON ARSENITE, IRON BROMIDE, IRON CARBONATE, IRON CARBONATE SACCHARATED, IRON CHLORIDE, IRON CHLORIDE (FERROUS), IRON CITRATE, IRON CITROCHLORIDE, IRON FERROCYANIDE, IRON GLYCEROPHOSPHATE, IRON HYDROXIDE, IRON HYPOPHOSPHITE, IRON IODIDE (FERROUS), IRON IODIDE SACCHARATED (FERROUS), IRON LACTATE, IRON NITRATE, IRON OXALATE FERRIC, IRON OXALATE FERROUS, IRON OXIDE PURE ANHYDROUS, IRON OXIDE BLACK (FERRO-FERRIC), IRON OXIDE BROWN, IRON OXIDE SACCHARATED, IRON PEPTONIZED, IRON PHOSPHATE (FERROUS), IRON PHOSPHATE (SOLUBLE FERRIC), IRON PYRITES, IRON PYROPHOSPHATE (SOLUBLE FERRIC), IRON SUBSULFATE (FERRIC), IRON SUCCINATE, IRON SULFATE (FERROUS), IRON SULFIDE (FERROUS), IRON TARTRATE, IRON TERSULFATE (FERRIC SULFATE), IRON VALERATE, IRON AND AMMONIUM CITRATE, IRON AND AMMONIUM OXALATE (FERRIC), IRON AND MANGANESE CITRATE, IRON AND MANGANESE PEPTONIZED, IRON AND POTASSIUM OXALATE (FERRIC), IRON AND POTASSIUM TARTRATE (FERRIC), IRON AND QUININE CITRATE (FERRIC), IRON QUININE AND STRYCHNINE CITRATE, IRON AND SODIUM OXALATE (FERRIC), IRON AND STRYCHNINE CITRATE (FERRIC), IRON AND AMMONIUM SULFATE (FERRIC), IRON AND AMMONIUM SULFATE (FERROUS), KAOLIN USED AS AN ADSORBENT OR INERT DILUENT IN MEDICINES, LACTOSE, LANOLIN, LEAD METAL FOR USE AS A REAGENT, LEAD ACETATE, LEAD ARSENATE, LEAD BROMIDE, LEAD CARBONATE, LEAD CHLORIDE, LEAD CHROMATE, LEAD IODIDE, LEAD LACTATE, LEAD LINOLEATE, LEAD MONOXIDE, LEAD NITRATE, LEAD OXIDE RED, LEAD OXIDE YELLOW, LEAD PEROXIDE, LEAD PHOSPHATE, LEAD SUBACETATE, LEAD SULFATE, LEAD SULFIDE, LIME IODIZED DARK, LITHARGE, LITHIUM ACETATE, LITHIUM BENZOATE, LITHIUM BENZO-SALICYLATE, LITHIUM BITARTRATE, LITHIUM BROMIDE, LITHIUM CARBONATE, LITHIUM CHLORIDE, LITHIUM CITRATE, LITHIUM FLUORIDE, LITHIUM HYDROXIDE, LITHIUM IODIDE, LITHIUM NITRATE, LITHIUM PHOSPHATE, LITHIUM SALICYLATE, LITHIUM SULFATE, LITHIUM TARTRATE, LITMUS CUBES, LOBELINE SULFATE, LUNAR CAUSTIC (SILVER NITRATE FUSED), MAGNESIUM METAL FOR USE AS A REAGENT, MAGNESIUM ACETATE, MAGNESIUM BROMIDE, MAGNESIUM CARBONATE, MAGNESIUM CHLORIDE, MAGNESIUM CITRATE, MAGNESIUM GLYCEROPHOSPHATE, MAGNESIUM HYDROXIDE, MAGNESIUM HYPOPHOSPHITE, MAGNESIUM NITRATE, MAGNESIUM OXIDE, MAGNESIUM PEROXIDE, MAGNESIUM PHOSPHATE TRIBASIC, MAGNESIUM PHOSPHATE DIBASIC, MAGNESIUM SALICYLATE, MAGNESIUM SILICATE, MAGNESIUM STEARATE, MAGNESIUM SULFATE, MAGNESIUM SULFITE, MAGNESIUM TRISILICATE, MANGANESE ACETATE, MANGANESE BROMIDE, MANGANESE BUTYRATE, MANGANESE CARBONATE, MANGANESE CHLORIDE, MANGANESE CITRATE, MANGANESE DIOXIDE, MANGANESE GLYCEROPHOSPHATE, MANGANESE HYPOPHOSPHATE, MANGANESE HYPOPHOSPHITE, MANGANESE IODIDE, MANGANESE LINOLEATE, MANGANESE NITRATE, MANGANESE PEPTONIZED, MANGANESE SULFATE, MANNITE, MARBLE CHIPS USED AS A REAGENT FOR PRODUCTION OF CARBON DIOXIDE, MASKING SOLUTION FOR PROTECTING PHOTOSENSITIVE TOP ENAMELS IN PHOTOENGRAVING, MENTHOL, MERCURY FOR USE AS A REAGENT, MERCURY MASS, MERCURIC ACETATE, MERCURY AMMONIATED, MERCUROUS IODIDE, MERCURY OLEATE, MERCURIC SALICYLATE, MERCURIC SUBSULFATE (TURPETH MINERAL), MERCURY SULFIDE BLACK (ETHIOPS MINERAL), MERCURY WITH CHALK, MERCURIAL OINTMENT, MERCURIC ACETATE, MERCURY BISULFATE, MERCURIC BROMIDE, MERCURIC CHLORIDE, MERCURIC CYANIDE, MERCURIC IODIDE, MERCURIC NITRATE, MERCURIC OXIDE RED, MERCURIC OXIDE YELLOW, MERCURIC SULFATE, MERCUROUS CHLORIDE, MERCUROUS NITRATE, MERCUROUS SULFATE, METAL DEVARDA'S FOR USE AS A REAGENT, METHYL IODIDE, METHYL ORANGE INDICATOR, METHYL RED INDICATOR, 4-METHYL-5-PHENYL-2-OXAZOLIDONE, METHYL SALICYLATE, METHYLENE BLUE, MILK SUGAR, MIXTURE CORROSIVE SUBLIMATE AND CITRIC ACID, MIXTURE CORROSIVE SUBLIMATE AND AMMONIUM CHLORIDE, MONOETHANOLAMINE SULFITE, MONOMETHYL-PARAMINOPHENOL SULFATE, MORPHINE SULFATE, MORPHINE ACETATE, MORPHINE ALKALOID, MORPHINE HYDROBROMIDE, MORPHINE HYDROCHLORIDE, MORPHINE ETHYLHYDROCHLORIDE, MOTH KILLER, 1 NAPHTHALENEACETIC ACID, N-BUTYL BENZOYLACETATE, NEOCALAMINE, NEOCINCHOPHEN, NIACIN, NIACINAMIDE, NICKEL METAL FOR USE AS A REAGENT, NICKEL ACETATE, NICKEL BROMIDE, NICKEL CARBONATE, NICKEL CHLORIDE, NICKEL NITRATE, NICKEL OXIDE BLACK, NICKEL SULFATE, NICKEL AND AMMONIUM SULFATE, OPIUM, ORGANIC MERCURY COMPOUNDS, ORTHODICHLORBENZENE, OXYQUINOLINE BASE, 2-OXAZOLIDONE, OXYQUINOLINE BENZOATE, OXYQUINOLINE SULFATE, PAPAVERINE HYDROCHLORIDE, PAPER LITMUS BLUE, PAPER LITMUS RED, PAPER PHENOLPHTHALEIN, PARACHLOROPHENOL, PARA-DICHLORBENZENE, PARAFORMALDEHYDE, PARALDEHYDE, PARA-PHENYLENE-DIAMINE HYDROCHLORIDE, PARA-PHENYLENE-DIAMINE BASE, PELLETIERINE TANNATE, PHENOBARBITAL, PHENOBARBITAL SODIUM, PHENOL, PHENOLPHTHALEIN, PHENOL-TETRAIOD-PHTHALEIN SODIUM, PHENYL-AZO-ALPHA-ALPHA-DIAMINO-PYRIDINE HYDROCHLORIDE, 3-PHENYL-2-OXAZOLIDONE, PHENYL SALICYLATE, PHOSPHORIC ANHYDRIDE, PHOSPHORUS, PHOSPHORUS OXYCHLORIDE, PHOSPHORUS PENTACHLORIDE, PHOSPHORUS TRICHLORIDE, PHOTOGRAPHIC DEVELOPER, PICROTOXIN, PILOCARPINE HYDROBROMIDE, PILOCARPINE HYDROCHLORIDE, PILOCARPINE NITRATE, PIPERINE, PLATINUM CHLORIDE, POTASH SULFURATED, POTASSIUM METAL FOR USE AS A REAGENT, POTASSIUM ACETATE, POTASSIUM ACID PHTHALATE, POTASSIUM ARSENATE, POTASSIUM ARSENITE, POTASSIUM BICARBONATE, POTASSIUM BISULFATE, POTASSIUM BITARTRATE, POTASSIUM BORO-TARTRATE, POTASSIUM BROMATE, POTASSIUM BROMIDE, POTASSIUM CARBONATE, POTASSIUM CHLORATE, POTASSIUM CHLORIDE, POTASSIUM CHROMATE, POTASSIUM CITRATE, POTASSIUM CREOSOTE-SULFONATE, POTASSIUM CYANIDE, POTASSIUM DICHROMATE, POTASSIUM FERRICYANIDE, POTASSIUM FERROCYANIDE, POTASSIUM FLUORIDE, POTASSIUM GLUCONATE, POTASSIUM GLYCEROPHOSPHATE, POTASSIUM GUAIACOLSULFONATE, POTASSIUM HYDROXIDE, POTASSIUM HYPOPHOSPHITE, POTASSIUM IODATE, POTASSIUM IODIDE, POTASSIUM IODIDE WITH MAGNESIUM CARBONATE AND POTASSIUM HYDROXIDE, POTASSIUM MERCURIC IODIDE, POTASSIUM METABISULFITE, POTASSIUM NITRATE, POTASSIUM NITRITE, POTASSIUM OXALATE, POTASSIUM PERMANGANATE, POTASSIUM PERSULFATE, POTASSIUM PHOSPHATE MONOBASIC, POTASSIUM PHOSPHATE DIBASIC, POTASSIUM PHOSPHATE TRIBASIC, POTASSIUM SALICYLATE, POTASSIUM SULFATE, POTASSIUM SULFITE, POTASSIUM SULFOCARBOLATE, POTASSIUM TARTRATE, POTASSIUM THIOCYANATE, POTASSIUM SODIUM TARTRATE, PROCAINE, PROCAINE HYDROCHLORIDE, PROFLAVINE DIHYDROCHLORIDE, PROFLAVINE SULFATE, PYRIDINE, PYRIDYLMERCURIC ACETATE, PYRIDYLMERCURIC BENZOATE, PYRIDYLMERCURIC BORATE, PYRIDYLMERCURIC CHLORIDE, PYRIDYLMERCURIC CHROMATE, PYRIDYLMERCURIC PHOSPHATE, PYRIDYLMERCURIC PICRATE, PYRIDYLMERCURIC SALICYLATE, PYRIDYLMERCURIC STEARATE, PYRIDYLMERCURIC SULFATE, PYRIDYL POLYMERCURIC CHLORIDE, PYROXYLIN, QUINIDINE ALKALOID, QUINIDINE SULFATE, QUININE SULFATE, QUININE ALKALOID, QUININE ARSENATE, QUININE ARSENITE, QUININE BISULFATE, QUININE CARBONATE, QUININE DIHYDROBROMIDE, QUININE DIHYDROCHLORIDE, QUININE ETHYLCARBONATE, QUININE FORMATE, QUININE GLYCEROPHOSPHATE, QUININE HYDROBROMIDE, QUININE HYDROCHLORIDE, QUININE HYDROCHLOROSULFATE, QUININE HYPOPHOSPHITE, QUININE LACTATE, QUININE PHOSPHATE, QUININE SALICYLATE, QUININE TANNATE, QUININE VALERATE, QUININE AND UREA HYDROCHLORIDE, RESORCINOL, RIBOFLAVIN, ROACH KILLER, ROCHELLE SALT, RUBBER SOLUTION USED AS A REAGENT FOR PRODUCING PHOTOGRAPHIC FILMS BY WET PLATE METHOD, SACCHARIN, SACCHARIN SODIUM, SAL ACETOSELLA (POTASS. BINOXALATE), SALICIN, SALOL (PHENYL SALICYLATE), SANGUINARINE NITRATE, SANTONIN, SAPONIN, SILICA GEL, SILVER METAL FOR USE AS A REAGENT, SILVER ACETATE, SILVER BROMIDE, SILVER CARBONATE, SILVER CHLORIDE, SILVER CYANIDE, SILVER IODIDE, SILVER LACTATE, SILVER NITRATE, SILVER NITRITE, SILVER NUCLEINATE, SILVER OXIDE, SILVER PROTEINATE, SILVER SULFATE, SODA AND LIME, SODA LIME, SODIUM METAL FOR USE AS A REAGENT, SODIUM ACETATE, SODIUM ARSENATE, SODIUM ARSENITE, SODIUM BENZOATE, SODIUM BICARBONATE, SODIUM BIPHOSPHATE, SODIUM BISMUTHATE, SODIUM BISULFATE, SODIUM BISULFITE, SODIUM BITARTRATE, SODIUM BORATE, SODIUM BROMATE, SODIUM BROMIDE, SODIUM CACODYLATE, SODIUM CARBONATE, SODIUM CHLORIDE, SODIUM CHOLEATE, SODIUM CHROMATE, SODIUM CITRATE, SODIUM COBALT NITRITE, SODIUM CYANIDE, SODIUM DICHROMATE, SODIUM FERROCYANIDE, SODIUM FLUORIDE, SODIUM FORMATE, SODIUM GLYCEROPHOSPHATE, SODIUM GLYCOCHOLATE, SODIUM HYDROSULFITE, SODIUM HYDROXIDE, SODIUM HYPOPHOSPHITE, SODIUM HYPOSULFITE (THIOSULFATE), SODIUM IODATE, SODIUM IODIDE, SODIUM LACTATE, SODIUM MANDELATE, SODIUM META-BISULFITE (PYROSULFITE), SODIUM METABORATE, SODIUM MOLYBDATE, SODIUM NITRATE, SODIUM NITRITE, SODIUM NITRO-FERRICYANIDE, SODIUM OLEATE ACID, SODIUM ORTHO-IODOHIPPURATE, SODIUM OXALATE, SODIUM PERBORATE, SODIUM PEROXIDE, SODIUM PHOSPHATE MONOBASIC, SODIUM PHOSPHATE DIBASIC, SODIUM PHOSPHATE TRIBASIC, SODIUM PHOSPHITE, SODIUM POTASSIUM BISMUTHO-TARTRATE, SODIUM PYROPHOSPHATE, SODIUM SALICYLATE, SODIUM SANTONINATE, SODIUM SILICATE, SODIUM STEARATE, SODIUM SUCCINATE, SODIUM SULFATE, SODIUM SULFIDE, SODIUM SULFITE, SODIUM SULFOCARBOLATE (PHENOLSULFONATE), SODIUM TARTRATE, SODIUM THIOCYANATE, SODIUM THIOSULFATE, SODIUM TUNGSTATE, SODIUM AND AMMONIUM PHOSPHATE, SPARTEINE SULFATE, SPIRIT AMMONIA, SPIRIT AMMONIA AROMATIC, SPIRIT CHLOROFORM, SPIRIT ETHER COMPOUND, SPIRIT ETHYL NITRITE (SPIRIT OF NITROUS ETHER), SPIRIT PHOSPHORUS, STABILIZED POTASSIUM IODIDE, STANNIC CHLORIDE, STANNOUS CHLORIDE, STARCH FOR MEDICINAL USE OR REAGENT USE, STRONTIUM ACETATE, STRONTIUM BROMIDE, STRONTIUM CARBONATE, STRONTIUM CHLORIDE, STRONTIUM IODIDE, STRONTIUM LACTATE, STRONTIUM NITRATE, STRONTIUM OXALATE, STRONTIUM PEROXIDE, STRONTIUM SALICYLATE, STRONTIUM STEARATE, STRONTIUM SULFATE, STRONTIUM SULFIDE, STRYCHNINE ALKALOID, STRYCHNINE ARSENATE, STRYCHNINE ARSENITE, STRYCHNINE GLYCEROPHOSPHATE, STRYCHNINE HYPOPHOSPHITE, STRYCHNINE NITRATE, STRYCHNINE PHOSPHATE, STRYCHNINE SULFATE, SUCROSE, SULFANILAMIDE (PARA-AMINOBENZENE-SULFONAMIDE), SULFATHIAZOLE, SULFATHIAZOLE SODIUM, SULFONETHYL-METHANE, SULFON-METHANE, SULFUR, SYRUP IRON IODIDE, TALCUM FOR MEDICAL OR COSMETIC USE, TARTAR EMETIC, TEREBENE, TERPIN HYDRATE, THEOBROMINE ALKALOID, THEOBROMINE SALICYLATE, THEOBROMINE AND SODIUM ACETATE, THEOBROMINE SODIOSALICYLATE, THEOPHYLLINE, THEOPHYLLINE SODIUM ACETATE, THEOPHYLLINE SODIUM SALICYLATE, THIAMINE HYDROCHLORIDE, THIOCARBAMIDE, THIOSINAMINE, THYMOL, THYMOL IODIDE, TIN METAL FOR USE AS A REAGENT, TIN MURIATE (STANNOUS CHLORIDE), TIN OXIDE WHITE, TOLUOL, TOTAQUINE, TROPACOCAINE HYDROCHLORIDE, URANIUM ACETATE, URANIUM NITRATE, UREA, VANILLIN, XYLOL (XYLENE), YOHIMBINE HYDROCHLORIDE, ZINC METAL FOR USE AS A REAGENT, ZINC ACETATE, ZINC BORATE, ZINC BROMIDE, ZINC CARBONATE, ZINC CHLORIDE, ZINC CYANIDE, ZINC IODIDE, ZINC NITRATE, ZINC OXIDE, ZINC PER-

MANGANATE, ZINC PEROXIDE, ZINC PHENOLSULFONATE, ZINC PHOSPHATE, ZINC PHOSPHIDE, ZINC SALICYLATE, ZINC STEARATE, ZINC SUBBENZOATE, ZINC SULFATE, ZINC SULFITE, ZINC SULFOCARBOLATE, ZINC VALERATE.

Claims use since 1922.

Ser. No. 533,159. GEIGY COMPANY, INC., New York, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

DEACRYDINE

Ser. No. 534,419. DOUGLAS LABORATORIES, INC., Boston, Mass. Filed Sept. 13, 1947.

DER AND ROUGE WHEN SOLD IN TRADE, LIPSTICK, ROUGE, FACE POWDER, TALCUM POWDER, DUSTING POWDER, COLOGNE, SACHET POWDER, FACE AND SKIN CREAMS INCLUDING CLEANSING CREAM, VANISHING CREAM, COLD CREAM, SPECIAL FORMULA CREAM, COMPLEXION CREAM, STYPTIC CREAM; HAND CREAM, SKIN LOTIONS, BATH

MANGANATE, ZINC PEROXIDE, ZINC PHENOLSULFONATE, ZINC PHOSPHATE, ZINC PHOSPHIDE, ZINC SALICYLATE, ZINC STEARATE, ZINC SUBBENZOATE, ZINC SULFATE, ZINC SULFITE, ZINC SULFOCARBOLATE, ZINC VALERATE.
Claims use since 1892.

Ser. No. 526,984. H. M. SINCLAIR, JR., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio. Filed July 5, 1947.

WHITE CROSS

Applicant claims ownership of registration No. 95,359.
FOR BLEACHING AND DISINFECTING SOLUTIONS.
Claims use since September 1941.

Ser. No. 527,004. H. M. SINCLAIR, JR., trustee for the partnership, The Sinclair Manufacturing Company, Toledo, Ohio. Filed July 5, 1947. Under section 2f of the act of 1946.

SINCLAIR'S

Applicant claims ownership of registration No. 254,255.
FOR CHLORINATED LIME.
Claims use since 1911.

Ser. No. 529,697. THE RELIANCE GAUGE COLUMN COMPANY, Cleveland, Ohio. Filed July 26, 1947.

VIZZENE

Applicant claims ownership of registration No. 378,393.
FOR FILLING-LIQUIDS FOR LIQUID LEVEL GAUGE INSTRUMENTS.
Claims use since Sept. 10, 1936.

Ser. No. 532,520. THE SPECIALTY PRODUCTS COMPANY, New Orleans, La. Filed Aug. 26, 1947. Under section 2f of the act of 1946.

ANTI-HEAT

Applicant claims ownership of registration No. 191,390.
FOR ANTISEPTIC TOILET POWDER.
Claims use since Aug. 1, 1914.

Ser. No. 532,529. VERNON AND VERMONT PHARMACY, doing business as Betan Company, Los Angeles, Calif. Filed Aug. 26, 1947.

BETAN

The word "Tan" is disclaimed apart from the mark.
FOR SUNTAN OIL.
Claims use since April 1946.

Ser. No. 533,159. GEIGY COMPANY, INC., New York, N. Y. Filed Sept. 3, 1947. Under section 2f of the act of 1946.

DIAZOPHENYL

Applicant claims ownership of registration No. 148,580.
FOR DYESTUFFS.
Claims use since 1910.

Ser. No. 534,216. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y., assignor to Winthrop-Stearns Inc., New York, N. Y., a corporation of Delaware. Filed Sept. 11, 1947. Under section 2f of the act of 1946.

WINTHROP

Applicant claims ownership of registrations Nos. 393,625 and 261,030.
FOR ABSORBENT, ALTERATIVE, AND ANALGESIC PREPARATIONS, ANESTHETICS, ANODYNES, ANTACID, ANTIALLERGIC, ANTIANEMIC, AND ANTIARTHRITIC PREPARATIONS, ANTIASTHMATICS, ANTIBACTERIAL PREPARATIONS, ANTIBIOTICS, ANTICATARRHAL, ANTIDOTAL, ANTIEPILEPTIC, ANTIGONORRHEAL, ANTIHEMORRHAGIC, ANTILEPROUS, ANTILEUKORRHEAL, ANTIMALARIAL, ANTINEURALGIC, ANTINEURITIC, ANTIPARASITIC, ANTIPSORIATIC, ANTIPYRETIC, ANTIRHEUMATIC, ANTISCORBUTIC, AND ANTITUSSIVE PREPARATIONS. ANTISEPTICS, ANTISPASMODICS, ANTISYPHILITICS, ANTITETANIC PREPARATIONS, ASTRINGENTS, CARDIOTONIC PREPARATIONS, CHEMOTHERAPEUTIC AGENTS, CHEMOTHERAPEUTIC ANTIMONY COMPOUND, CHEMOTHERAPEUTIC ARSENICAL COMPOUNDS, CHOLAGOGUES, DIGESTANT, DIURETIC, ENDOCRINE, AND EXPECTORANT PREPARATIONS, HEMOSTATIC PREPARATIONS, HYPNOTICS, IODINE COMPOUNDS, LAXATIVE PREPARATIONS, LIPO-PROTEIN WITH EMETINE COMPOUND, NON-SPECIFIC IMMUNIZING AGENTS, RADIOPAQUE MEDIA FOR X-RAY EXAMINATION, CHEMICAL PREPARATION INDICATED AS A SUBSTITUTE FOR SALT IN SALT-FREE DIETS, SEDATIVES, TRYPANOCIDES, URETERAL RELAXANTS, URINARY ANTISEPTICS, VASOCONSTRICTOR, ANTIHYPNOTIC AND CENTRAL NERVOUS SYSTEM STIMULANT PREPARATIONS, VASODILATORS, VITAMINS AND VITAMIN PREPARATIONS, ANTIDYSENTERIC PREPARATIONS, AND SPIROCHETICIDES.
Claims use since November 1927.

Ser. No. 534,418. DOUGLAS LABORATORIES, INC., Boston, Mass. Filed Sept. 13, 1947.

ZORMONE

FOR AMINO ACID PREPARATION USEFUL IN THE RELIEF OF INDIGESTION AND ULCER CONDITIONS, AND FOR REGULATING ACID DISBALANCE.
Claims use since June 2, 1947.

Ser. No. 534,419. DOUGLAS LABORATORIES, INC., Boston, Mass. Filed Sept. 13, 1947.

ZORMONE

FOR AMINO ACID PREPARATION USEFUL IN THE RELIEF OF INDIGESTION AND ULCER CONDITIONS, AND FOR REGULATING ACID DISBALANCE.
Claims use since June 2, 1947.

Ser. No. 535,919. ALLIED LABORATORIES LIMITED, London, England. Filed Sept. 27, 1947.

The exclusive use of the sign of Mars (male sign) and the sign of Venus (or female sign) either separately or together is disclaimed. Applicant claims ownership of British registration No. 620,167, dated Sept. 10, 1942.
FOR MEDICATED PREPARATIONS IN TABLET FORM FOR HUMAN USE IN THE TREATMENT OF RHEUMATISM, NEURITIS, NEURALGIA, FIBROSITIS AND LUMBAGO, DISEASES OF THE RESPIRATORY ORGANS, DISEASES OF THE SKIN, DYSMENORRHEA, GASTRIC DISORDERS, BILIOUSNESS, MIGRAINE, FATIGUE, ANAEMIA, NERVOUS DEPRESSION, MENTAL AND PHYSICAL EXHAUSTION; PHARMACEUTICAL PREPARATIONS IN THE FORM OF OINTMENT FOR REMOVING EXFOLIATED SKIN AND DEAD TISSUE FROM THE FEET; VACCINES IN TABLET FORM FOR IMMUNISATION AGAINST COLDS; SPERMICIDAL PREPARATIONS IN TABLET FORM, GERMICIDES AND ANTISEPTICS.

Ser. No. 536,575. AVON PRODUCTS, INC., New York, N. Y. Filed Oct. 3, 1947. Under section 2f of the act of 1946.

AVON

Applicant claims ownership of registrations Nos. 402,664, 297,127, and 401,831.
FOR PERFUME, TOILET WATER, COMPACTS MADE OF NON-PRECIOUS MATERIALS CONTAINING POWDER AND ROUGE WHEN SOLD IN TRADE, LIPSTICK, ROUGE, FACE POWDER, TALCUM POWDER, DUSTING POWDER, COLOGNE, SACHET POWDER, FACE AND SKIN CREAMS INCLUDING CLEANSING CREAM, VANISHING CREAM, COLD CREAM, SPECIAL FORMULA CREAM, COMPLEXION CREAM, STYPTIC CREAM; HAND CREAM, SKIN LOTIONS, BATH SALTS, BATH OIL, DEODORANTS, DEPILATORY CREAM, BLACKHEAD REMOVER IN PASTE OR LIQUID FORM, WITCH HAZEL EXTRACT AND CREAM, ASTRINGENTS, SKIN FRESHENER AND TONIC, ANTISEPTIC SOLUTION, AFTER SHAVING LOTION, NON-SAPONACEOUS SHAMPOO PREPARATIONS, HAIR LOTION, HAIR OIL, BRILLIANTINE, BAY RUM, WAVE SET PREPARATION, NAIL POLISH, NAIL POLISH REMOVER, NAIL WHITE PENCIL, CUTICLE OIL AND SOFTENER, NAIL AND CUTICLE CREAM, TOOTH POWDER, TOOTHPASTE, DENTAL CREAM, MASCARA, EYEBROW PENCIL, EYELASH CREAM, EYE SHADOW, CAKE MAKE-UP, LEG MAKE-UP, STYPTIC PENCILS, LAUNDRY CRYSTALS, LAUNDRY STARCH, MOTH KILLING PREPARATIONS IN FLAKE, POWDER, AND SOLID FORM, AND FOOD COLORS.
Claims use since September 1929.

Ser. No. 538,965. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif. Filed Oct. 24, 1947.

RESITOX

FOR INSECTICIDAL FOLIAGE SPRAY OIL.
Claims use since Mar. 17, 1947.

Ser. No. 540,739. VINCENT TIZIO, doing business as Fifty-Fifty Manufacturing Co., Brooklyn, N. Y. Filed Nov. 10, 1947.

FIFTY-FIFTY
"50-50"

The drawing is lined for the colors red and blue. The portrait included in the drawing is fanciful.
FOR CLEANING, DISINFECTING, GERMICIDAL, AND DEODORIZING COMPOUND FOR LAUNDRY AND GENERAL HOUSEHOLD USE.
Claims use since Sept. 5, 1947.

Ser. No. 540,773. GODFREY L. CABOT, INC., Boston, Mass. Filed Nov. 12, 1947.

PT-600

FOR LIQUID OBTAINED FROM PINE WOOD BY DISTILLATION USED AS A SOFTENER, TACKIFIER, AND DISPERSING AGENT IN RUBBER AND AS A PRESERVATIVE AND LUBRICANT IN CORDAGE.
Claims use since 1930.

Ser. No. 541,521. DELAVELLE (G. B.) LIMITED, London, N. 1. England. Filed Nov. 18, 1947.

Ser. No. 542,321. ANTONIO LOPEZ JIMENEZ, Almeria, Spain. Filed Nov. 25, 1947.

Ser. No. 545,327. BELL CHEMICAL CO., Chicago, Ill. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

DO-RATZ

Ser. No. 547,579. THE TECHNOTE COMPANY, Inglewood, Calif. Filed Jan. 20, 1948.

NET-LIFE

Ser. No. 541,521. DELAVELLE (G. B.) LIMITED, London, N. 1, England. Filed Nov. 18, 1947.

DELAVELLE

Applicant claims ownership of British registration No. 498,451.

FOR PERFUMES, TOILET WATERS, PREPARATIONS FOR THE HAIR—NAMELY, HAIR WASHES, HAIR SHAMPOOS, BRILLIANTINE, HAIR CREAM, HAIR WAVING LOTION, HAIR SETTING LOTION; PREPARATIONS FOR THE SKIN, BOTH LIQUID AND SOLID—NAMELY, NIGHT CREAMS, DAY CREAMS, FOUNDATION CREAMS; FOUNDATION LIQUIDS, NOURISHING SKIN CREAMS, COMPLEXION CREAMS, LIPSTICKS, BOTH LIQUID AND SOLID; PREPARATIONS FOR THE NAILS—NAMELY, NAIL LACQUER, NAIL LACQUER REMOVER; FACE POWDERS; TOILET AND BODY POWDERS; PREPARATIONS FOR THE BATH—NAMELY, BATH SALTS, BATH ESSENCE, BATH OILS, BATH WATER SOFTENER IN CUBE FORM; LIQUID PREPARATION WHICH RESEMBLES STOCKINGS WHEN APPLIED; AFTER SHAVE LOTIONS AND CREAMS, ASTRINGENT FACE LOTIONS AND CREAMS.

Ser. No. 541,624. THE HERB FARM SHOP, LTD., Elizabeth, N. J. Filed Nov. 17, 1947.

UNDER POWDER MIST

FOR SKIN LOTION.
Claims use since October 1938.

Ser. No. 542,135. IMPERIAL MINERALS, INC., Denver, Colo. Filed Nov. 24, 1947.

M27

FOR DIETARY MINERAL FEED SUPPLEMENT FOR LIVE STOCK AND POULTRY IN THE NATURE OF A NATURALLY OCCURRING GROUND MINERAL CONTAINING AS PRINCIPAL INGREDIENTS CALCIUM OXIDE, MAGNESIUM OXIDE, SODIUM OXIDE, AND POTASSIUM OXIDE AND HAVING A VARIETY OF OTHER CHEMICAL COMPOSITIONS AS MINOR INGREDIENTS.
Claims use since Sept. 26, 1947.

Ser. No. 542,321. ANTONIO LOPEZ JIMENEZ, Almeria, Spain. Filed Nov. 25, 1947.

CHEMIA

The drawing is lined to represent the color blue. Applicant claims ownership of Spanish registration No. 155,559.
FOR PERFUMES, COLOGNES, AND TOILET WATERS.

Ser. No. 544,231. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Dec. 12, 1947.

KETESTROL

FOR HORMONE CONTAINING LIQUID FOR PARENTERAL USE.
Claims use since Dec. 10, 1947.

Ser. No. 544,232. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Dec. 12, 1947.

PRONIDOL

FOR HORMONE CONTAINING LIQUID.
Claims use since Dec. 10, 1947.

Ser. No. 544,977. CONSOLIDATED ROYAL CHEMICAL CORPORATION, Chicago, Ill. Filed Dec. 20, 1947. Under section 2f of the act of 1946.

GERMANIA

Applicant claims ownership of registration No. 305,829.
FOR MEDICINES—NAMELY, AN HERB TEA FOR CAUSING THE ORGANS TO ELIMINATE.
Claims use since Jan. 1, 1926.

Ser. No. 545,168. THE REGAL DRUG COMPANY, New Haven, Conn. Filed Dec. 22, 1947.

ZEPHYR

FOR MEDICAL PREPARATION FOR IRRITATED CHAFED SURFACES, SUCH AS PRICKLY HEAT OR POISON IVY.
Claims use since Nov. 11, 1946.

Ser. No. 545,327. BELL CHEMICAL CO., Chicago, Ill. Filed Dec. 24, 1947. Under section 2f of the act of 1946.

NO-RATZ

FOR RAT PASTE.
Claims use since June 5, 1936.

Ser. No. 545,824. THE G. B. CONKEY COMPANY, Cleveland, Ohio, assignor to G. B. Conkey Co., Cleveland, Ohio, a corporation of Maine. Filed Dec. 31, 1947.

Phe-Nikala

Applicant claims ownership of registration No. 297,220.
FOR VERMIFUGE FOR POULTRY.
Claims use since June 1946.

Ser. No. 545,936. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Jan. 2, 1948. Under section 2f of the act of 1946.

JUNE GERANIUM

Applicant claims ownership of registrations Nos. 230,829 and 236,238.
FOR BATH SALTS, TOILET WATER, TALCUM POWDER, AND BATH OIL.
Claims use since January 1917.

Ser. No. 547,012. J. C. MENDENHALL MEDICINE CO., INCORPORATED, Mt. Vernon, Ind. Filed Jan. 14, 1948. Under section 2f of the act of 1946.

MENDENHALL'S NUMBER 40

FOR ALTERATIVE LAXATIVE.
Claims use since Mar. 4, 1936.

Ser. No. 547,518. DEODOR-X COMPANY OF ENGLAND LIMITED, Liverpool, England. Filed Jan. 20, 1948.

Racalan

Applicant claims ownership of British registration No. 659,214, dated May 17, 1947.
FOR PHARMACEUTICAL, VETERINARY AND SANITARY SUBSTANCES—NAMELY, MEDICATED PLASTERS, MATERIAL FOR BANDAGING (MEDICATED), DISINFECTANTS (GERMICIDAL PREPARATIONS); PREPARATIONS FOR KILLING WEEDS AND DESTROYING VERMIN; DEODORIZERS FOR REMOVING ODORS BY CHEMICAL ACTION, AND INSECTICIDES.

Ser. No. 547,579. THE TECHNOTE COMPANY, Inglewood, Calif. Filed Jan. 20, 1948.

NET-LIFE

The word "Net" is disclaimed apart from the mark.
FOR CHEMICAL COMPOUNDS FOR PRESERVATIVE TREATMENT OF FISH NETS AND FISHING LINES.
Claims use since Mar. 21, 1947.

Ser. No. 548,224. AKTIESELSKABET LAGERMAN JUNR., Glostrup, Denmark. Filed Jan. 29, 1948.

DELFOL

Applicant claims ownership of Danish registration No. 216/46.
FOR PECTORALS AND THROAT TABLETS.

Ser. No. 548,233. BENGUE & CO. LTD., Mount Pleasant, Alperton, Middlesex, England. Filed Jan. 29, 1948.

Actovite

Applicant claims ownership of British registration No. 622,633.
FOR VITAMIN ADJUVANT PREPARATION IN TABLET FORM FOR USE IN MEDICINE AND PHARMACY.

Ser. No. 548,357. E. FOUGERA & COMPANY, INC., New York, N. Y. Filed Jan. 30, 1948.

LIPIODOL

Applicant claims ownership of registration No. 196,499.
FOR LIQUID USED IN X-RAY AND ROENTGEN RAY PHOTOGRAPHY FOR DIAGNOSTIC PURPOSES.
Claims use since Dec. 11, 1901.

Ser. No. 548,674. OAKITE PRODUCTS, INC., New York, N. Y. Filed Feb. 3, 1948.

Applicant claims ownership of registrations Nos. 192,611, 249,419, and 330,255.
FOR CHEMICAL COMPOUNDS HAVING WATER-SOFTENING QUALITIES, RECOMMENDED FOR ALL CLEANSING, WASHING, AND POLISHING PURPOSES,

PARTICULARLY FOR USE IN THE KITCHEN AND IN THE HOUSEHOLD GENERALLY, AND FOR USE IN LAUNDRIES, GARAGES, DAIRIES, AND INDUSTRIAL PLANTS OF ALL KINDS; ALSO RECOMMENDED FOR LUBRICATING, HEAT ABSORBING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING SURFACES OF PAINT, VARNISH, ENAMELS, JAPANS, LAC-

Ser. No. 549,657. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 13, 1948.

Penphos

Ser. No. 551,515. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

KOLEFAN

Ser. No. 553,903. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 23, 1948.

RHOPLEX

Applicant claims ownership of registrations Nos.

PARTICULARLY FOR USE IN THE KITCHEN AND IN THE HOUSEHOLD GENERALLY, AND FOR USE IN LAUNDRIES, GARAGES, DAIRIES, AND INDUSTRIAL PLANTS OF ALL KINDS; ALSO RECOMMENDED FOR LUBRICATING, HEAT ABSORBING, CUTTING, GRINDING, STAMPING, DRAWING, STRIPPING SURFACES OF PAINT, VARNISH, ENAMELS, JAPANS, LACQUERS, AND OTHER SURFACE FINISHES; ANTI-RUSTING, NEUTRALIZING, AND DEODORISING; ALSO RECOMMENDED FOR STERILIZATION, COMMERCIAL AND HOUSEHOLD, SUCH AS STERILIZING BOTTLES AND OTHER CONTAINERS; ALSO RECOMMENDED AS A SCALE REMOVER, MILKSTONE REMOVER, ACID INHIBITOR, BACTERICIDE, FUNGICIDE, AND FOR USE IN WET FINISHING OPERATIONS OF TEXTILES.
Claims use since Nov. 20, 1947.

Ser. No. 548,915. NICK BINDILLO, Baton Rouge, La. Filed Feb. 6, 1948.

RED STICK

FOR LIQUID HAIR AND SCALP CONDITIONER.
Claims use since Nov. 29, 1947.

Ser. No. 549,008. RUDOLPH L. SCHWARTZ, doing business as Watertecter Company, Buffalo, N. Y. Filed Feb. 6, 1948.

WATERTECTER "Shows the water if it is there"

The representation of a scale, and of the slogan "Shows the water if it is there," are disclaimed. The lettering and part of the scale in the drawing are lined for the color red.
FOR COMPOSITION OF MATTER INCLUDING AN INGREDIENT WHICH CHANGES COLOR UPON CONTACT WITH WATER, AND WHICH IS USEFUL TO DETERMINE THE PRESENCE OF WATER COLLECTING IN A TANK OR OTHER CONTAINER FOR GASOLINE AND OTHER MINERAL OIL PRODUCTS.
Claims use since Nov. 17, 1938.

Ser. No. 549,428. THE FARM MINERALS COMPANY, INC., Indianapolis, Ind. Filed Jan. 26, 1948.

BLUE CROSS

Applicant claims ownership of registration No. 426,397.
FOR MINERAL AND LIKE ADDITIONS FOR FEEDS SUCH AS A SUPPLEMENT FOR FEED FOR POULTRY, LIVE STOCK, AND OTHER ANIMALS, AND WHEREIN THE SUPPLEMENT IS PREDOMINANTLY OF MINERAL OR CHEMICAL CHARACTER.
Claims use since Dec. 17, 1947.

Ser. No. 549,657. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 13, 1948.

Penphos

FOR INSECTICIDES.
Claims use since Nov. 7, 1947.

Ser. No. 549,839. PERFUMERIA FLORALIA, S. A., Madrid, Spain. Filed Feb. 16, 1948.

PERFUMERÍA FLORALIA

No claim is made to the exclusive use of the word "Perfumeria." Applicant claims ownership of Spanish registration No. 24,153 dated Sept. 29, 1914.
FOR COLOGNE; HAND, FACE AND SKIN LOTIONS; AFTER-SHAVING LOTION; BAY RUM; HAIR DRESSING; HAIR TINT; HAIR DYE; HAIR RINSE; PERFUME; TOILET WATER; ROUGE IN CREAM, STICK, AND POWDER FORM; RICE, TALCUM, FACE, AND BODY POWDERS; EYE SHADOW AND MASCARA; LIQUID AND POWDERED NAIL POLISH; DENTIFRICE IN PASTE, POWDER, AND LIQUID FORM; DEODORANT FOR PERSONAL USE; AND SHAMPOO IN LIQUID AND POWDERED FORM.

Ser. No. 550,563. SOCIETE ANONYME SOCIETE TECHNIQUE DE PARFUMERIE F. MILLOT, Paris, France. Filed Feb. 25, 1948.

CHERE MADAME

Applicant claims ownership of French registration No. 362,736.
FOR PERFUMES, TOILET WATERS, COLOGNES, LIPSTICKS, FACE POWDER, ROUGE, EYE SHADOW, MASCARA, BRILLIANTINE, AND TALCUM POWDER.

Ser. No. 550,768. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Feb. 28, 1948.

ARDENA COMPLEXION FILM

The words "Complexion Film" are disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 371,473.
FOR LIQUID AND CREAM FOUNDATIONS FOR FACIAL USE.
Claims use since Jan. 20, 1948.

Ser. No. 551,514. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

AMPOPHOS

FOR INJECTABLE MEDICINAL SOLUTION INDICATED AS A TONIC IN DEBILITATED CONDITIONS.
Claims use since March 1940.

Ser. No. 551,515. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

KOLEFAN

FOR MEDICINAL PREPARATION FOR RELIEF OF GASTROINTESTINAL DISORDERS—NAMELY, DIARRHEA, INTESTINAL FERMENTATION, EXCESSIVE ACIDITY, AND FLATULENCE.
Claims use since July 1927.

Ser. No. 551,516. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

NITRAEGUS

FOR MEDICINAL TABLET FOR THE TREATMENT OF HIGH BLOOD PRESSURE.
Claims use since September 1932.

Ser. No. 551,517. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

PILEZOL

FOR MEDICINAL OINTMENT FOR RELIEF OF HEMORRHOIDS.
Claims use since July 1927.

Ser. No. 551,518. BUFFINGTON'S, INCORPORATED, Worcester, Mass. Filed Mar. 9, 1948.

VERDOL-B

The letter "B" is disclaimed apart from the mark.
FOR MEDICINAL TABLET CONTAINING AN IRON SALT AND VITAMIN-B-COMPLEX INDICATED IN THE TREATMENT OF SECONDARY ANEMIA.
Claims use since May 1938.

Ser. No. 552,005. THE PAUL PLESSNER COMPANY, Detroit, Mich. Filed Mar. 15, 1948.

RU-NITRAL

FOR PREPARATION FOR USE IN THE TREATMENT OF HYPERTENSION.
Claims use since Jan. 13, 1948.

Ser. No. 552,193. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Mar. 17, 1948.

GELU-CILLIN "PR"

Applicant claims ownership of registrations Nos. 431,918, 434,058, and 422,035.
FOR PENICILLIN PREPARATION FOR USE AS ANTI-BIOTIC.
Claims use since Feb. 16, 1948.

Ser. No. 553,803. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 23, 1948.

RHOPLEX

Applicant claims ownership of registrations Nos. 337,130 and 435,557.
FOR RESIN SUSPENSIONS OR DISPERSIONS SUITABLE FOR USE IN WAX FORMULATIONS, POLISHES, AND THE LIKE, AND ALSO FOR USE AS STARCH SUBSTITUTES IN LAUNDERING OPERATIONS.
Claims use since Dec. 4, 1946.

Ser. No. 553,853. HALL & RUCKEL, INC., New York, N. Y. Filed Apr. 5, 1948.

INSECTAN

FOR SKIN LOTION.
Claims use since Mar. 30, 1948.

Ser. No. 554,819. SHARP & DOHME, INCORPORATED, Philadelphia, Pa. Filed Apr. 16, 1948.

PROCIPITOIDS

FOR IMMUNOGENIC PREPARATIONS FOR HUMAN USE IN THE TREATMENT AND PREVENTION OF DISEASES OF BACTERIAL ORIGIN INCLUDING DIPHTHERIA, TETANUS, PERTUSSIS, AND STAPHYLOCOCCAL AND STREPTOCOCCAL INFECTIONS.
Claims use since Apr. 8, 1948.

Ser. No. 555,149. G. H. BROWN SPECIALTY CO., Des Moines, Iowa. Filed Apr. 21, 1948.

"SWEETHEARTS"

FOR ASPIRIN TABLETS.
Claims use since Apr. 6, 1948.

Ser. No. 556,100. INTERCHEMICAL CORPORATION, New York, N. Y. Filed May 3, 1948.

ELAMINE

FOR PROTEIN HYDROLYSATES MADE UP CHIEFLY OF AMINO ACIDS.
Claims use since Apr. 7, 1948.

Ser. No. 556,467. PARFUMS CHARBERT, INC., New York, N. Y. Filed May 7, 1948.

LET'S MAKE UP

The words "Make Up" are disclaimed apart from the mark.
FOR PERFUMES, TOILET WATERS, EAU DE COLOGNES, SACHET POWDER, TALCUM POWDER, FACE POWDER, BATH POWDER, COMPACT POWDER, LIPSTICK, ROUGE, COLD CREAM, FACE CREAM, VANISHING CREAM, FOUNDATION CREAM, SKIN FOOD CREAM, AND EYE MAKE-UP.
Claims use since Apr. 22, 1948.

Ser. No. 556,752. THE AIR KONDITIONING COMPANY, Clermont, Fla., now by change of name Airko Manufacturing Co., a corporation of Florida. Filed May 11, 1948.

AIRKO

Ser. No. 558,135. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed May 29, 1948.

PINEY

Ser. No. 562,005. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

Ser. No. 533,231. MACWHYTE COMPANY, Kenosha, Wis. Filed Sept. 4, 1947.

Ser. No. 556,752. THE AIR KONDITIONING COMPANY, Clermont, Fla., now by change of name Airko Manufacturing Co., a corporation of Florida. Filed May 11, 1948.

AIRKO

FOR COMPOSITION CONTAINING DIATOMACEOUS EARTH USED FOR DEHUMIDIFYING THE ATMOSPHERE OF CLOSED CONTAINERS AND CLOSED ROOMS.
Claims use since June 1946.

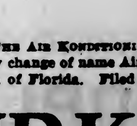
Ser. No. 556,990. SCHNEPEL BROS. CORPORATION, Newark, N. J. Filed May 13, 1948.

naylon by La Cross SLIM STICK

The term "Slim Stick" is disclaimed apart from the mark. Applicant claims ownership of registrations Nos. 287,475 and 398,516.
FOR COSMETIC ITEMS—NAMELY, FINGERNAIL POLISH, FINGERNAIL ENAMEL, LIP ROUGE, AND PREPARATION FOR REMOVING THE CUTICLE.
Claims use since Mar. 15, 1948.

Ser. No. 557,197. MARY MARIQUES, New York, N. Y. Filed May 17, 1948.

Hamandis



The word "Hamandis" is a coined word.
FOR FACE CREAM AND HAIR LOTION TO AID IN RESTORING THE COLOR OF WHITE HAIR.
Claims use since 1927.

Ser. No. 557,356. HERCULES POWDER COMPANY, Wilmington, Del. Filed May 19, 1948.

ABITOL

FOR HYDROABIETYL ALCOHOL FOR USE IN RESINS AS A PLASTICIZER FOR SYNTHETIC RESINS, AND FOR THE MANUFACTURE OF DETERGENTS.
Claims use since Apr. 28, 1948.

Ser. No. 558,135. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed May 29, 1948.

PINEY WOODS

Applicant claims ownership of registration No. 217,392.
FOR FLOTATION OILS, PINE OILS, AND PINE TAR OIL.
Claims use since Jan. 15, 1923.

Ser. No. 559,245. PRAIRIE STATES OIL & GREASE COMPANY, Danville, Ill. Filed June 15, 1948.

Blue Star

FOR ANTI-FREEZE COOLANT FOR INTERNAL COMBUSTION ENGINES.
Claims use since Apr. 1, 1948.

Ser. No. 559,325. ROHM & HAAS COMPANY, Philadelphia, Pa. Filed June 16, 1948.

KATHON

FOR SYNTHETIC ORGANIC CHEMICALS IN SOLID FORM AND/OR IN SOLUTIONS AND/OR SUSPENSIONS FOR USE IN CONTROLLING THE GROWTH OF AND/OR ERADICATING PLANTS.
Claims use since May 18, 1948.

Ser. No. 560,448. CIBA PHARMACEUTICAL PRODUCTS, INC., Summit, N. J. Filed June 30, 1948.

ETICYLOL

FOR ESTROGENIC COMPOUND FOR USE IN SEX HORMONE THERAPY.
Claims use since May 25, 1948.

Ser. No. 561,350. SUN CHEMICAL CORPORATION, New York, N. Y. Filed July 14, 1948.

WARCONYL

Applicant claims ownership of registration No. 377,641.
FOR CHEMICAL COMPOUNDS FOR RENDERING TEXTILES FIRE RETARDANT.
Claims use since Apr. 30, 1948.

Ser. No. 562,005. AMERICAN AIR FILTER COMPANY, INC., Louisville, Ky. Filed July 23, 1948.

AAF

Applicant claims ownership of registration No. 385,349.
FOR NON-OILY VISCOUS LIQUIDS USED ON DUST COLLECTING SURFACES FOR DUST RETENTION PURPOSES.
Claims use since Oct. 23, 1935.

Ser. No. 563,245. THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Aug. 12, 1948.

DOWEX

FOR ION EXCHANGE RESINS.
Claims use since Feb. 15, 1946.

CLASS 7
CORDAGE

Ser. No. 527,617. JOHN FLOCKER AND COMPANY, Pittsburgh, Pa. Filed July 5, 1947.

Applicant disclaims the right to the exclusive use of the word "Rope" apart from the mark.
FOR FIBER ROPE AND TWINE.
Claims use since 1862.

Ser. No. 533,331. MACWHYTE COMPANY, Kenosha, Wis. Filed Sept. 4, 1947.

FOR WIRE ROPE.
Claims use since June 3, 1903.

CLASS 11
INKS AND INKING MATERIALS

Ser. No. 527,344. THE PARKER PEN COMPANY, Janesville, Wis. Filed July 5, 1947. Under section 2f of the act of 1946.

PARKER

Applicant claims ownership of registrations Nos. 165,783, 255,741, and 184,396.
FOR WRITING INK.
Claims use since 1898.

Ser. No. 534,630. J. M. HUBER CORPORATION, Locust, N. J., and New York, N. Y. Filed Sept. 16, 1947. Under section 2f of the act of 1946.

HUBER

FOR PRINTING INKS.
Claims use since 1929.

Ser. No. 534,784. INTERCHEMICAL CORPORATION, New York, N. Y. Filed Sept. 17, 1947. Under section 2f of the act of 1946.

SET FAST

Applicant claims ownership of registration No. 202,826.
FOR PRINTING INKS AND OFFSET COMPOUNDS, I. E., COMPOUNDS FOR USE WITH PRINTING INKS TO PREVENT OFFSETTING ON PRINTED SHEETS.
Claims use since January 1923.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 513,285. ANDERSEN CORPORATION, Chicago, Ill. Filed Feb. 28, 1948; originally filed, act of 1905, Nov. 27, 1946.

Ser. No. 551,467. SMITH & KANZLER COMPANY, Lindau, N. J. Filed Mar. 8, 1948.

Ser. No. 536,763. W. A. CASS AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

BENNING

Ser. No. 539,347. PREMIER OIL REFINING COMPANY OF TEXAS, Longview, Tex. Filed Oct. 28, 1947.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 513,285. ANDERSEN CORPORATION, Chicago, Ill. Filed Feb. 28, 1948; originally filed, act of 1905, Nov. 27, 1946.

BLACRETE

FOR MIXTURE OF AGGREGATE BONDED WITH ASPHALT USED FOR FLOORS, SURFACING, AND ROAD PAVING.
Claims use since Oct. 3, 1944.

Ser. No. 536,968. TRIANCO LIMITED, East Molesey, England. Filed Oct. 6, 1947.

TRIANCO

Applicant claims ownership of British registration No. 431,758.
FOR SLABS, BLOCKS, AND TILES OF CONCRETE FOR BUILDING PURPOSES.

Ser. No. 541,840. C. T. HOGAN & COMPANY, INC., New York, N. Y. Filed Nov. 20, 1947.

ALUMISEAL

FOR FABRICATED INSULATING BARRIERS AND MATERIALS FOR SUCH BARRIERS, INCLUDING SHEET ALUMINUM INSULATION AND VAPOR BARRIERS, COMPRISING SELF-SUSTAINING, NON-POROUS, HEAT-REFLECTIVE SHEETS OF ALUMINUM AND METAL-FACED, PRESSURE-SENSITIVE TAPE FOR SEALING JOINTS AND CORNERS, AND USED FOR INSULATING BARRIERS FOR REFRIGERATED STRUCTURES, INSULATING BARRIERS FOR STRUCTURES EXPOSED TO HIGH TEMPERATURES, AND INSULATING BARRIERS FOR EQUIPMENT AND PIPES OPERATED AT REFRIGERATING OR HIGH TEMPERATURES.
Claims use since Nov. 13, 1947.

Ser. No. 546,091. DEARBORN GLASS COMPANY, Chicago, Ill. Filed Jan. 3, 1948.

Crys GLAS

The word "Glas" is disclaimed.
FOR GLASS WALL TILE.
Claims use since Oct. 14, 1947.

Ser. No. 551,467. SMITH & KANZLER COMPANY, Linden, N. J. Filed Mar. 8, 1948.

INSULROCK

FOR WALLBOARD.
Claims use since Dec. 20, 1947.

Ser. No. 551,976. INSUL-WOOL INSULATION CORP., Wichita, Kans. Filed Mar. 15, 1948.

INSULBAT

FOR THERMAL INSULATING MATERIAL IN SHEET FORM MADE FROM PAPER.
Claims use since Feb. 21, 1948.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 531,487. KNICKERBOCKER RUBBER COMPANY, Chicago, Ill. Filed Aug. 15, 1947.

Knickerbocker

Applicant claims ownership of registration No. 140,618.
FOR SHAMPOO SPRAYS, BATH SPRAYS, AND FAUCET STRAINERS.
Claims use since 1903.

Ser. No. 531,625. SPERZEL COMPANY, Minneapolis, Minn. Filed Aug. 16, 1947. Under section 2f of the act of 1946.

SPERZEL

FOR TOILET SEATS.
Claims use since Jan. 1, 1937.

Ser. No. 531,747. THE YOST SUPERIOR CO., Springfield, Ohio. Filed Aug. 18, 1947.

YS

FOR TENSION, TORSION, AND EXPANSION SPRINGS, AND WIRE FORMS GENERALLY IN THE FORM OF SPRINGS MADE TO ORDER.
Claims use since Apr. 1, 1924.

Ser. No. 536,769. W. A. CASE AND SON MANUFACTURING COMPANY, Buffalo, N. Y. Filed Oct. 4, 1947. Under section 2f of the act of 1946.

BENNING

FOR PLUMBING FIXTURES—NAMELY, VITREOUS CHINA WATER CLOSETS AND WATER CLOSET TANKS.
Claims use since May 1943.

CLASS 15

OILS AND GREASES

Ser. No. 527,420. JENKIN-GUNBIN INC., St. Louis, Mo. Filed July 5, 1947.

ANCHOR BRAND

In this application, applicant makes no claim to the word "Brand." Applicant claims ownership of registration No. 269,882.
FOR LUBRICATING OILS AND GREASES.
Claims use since July 1, 1919.

Ser. No. 535,606. PATE OIL COMPANY, Milwaukee, Wis. Filed Sept. 24, 1947.

AIR GLIDE

FOR GASOLINE.
Claims use since Aug. 20, 1945.

Ser. No. 536,498. CARDINAL CHEMICAL CORPORATION, Newark, N. J. Filed Oct. 2, 1947.

RAY-SPRAY

The word "Spray" is disclaimed apart from the mark.
FOR LUBRICATING OILS.
Claims use since Sept. 23, 1947.

Ser. No. 539,347. PREMIER OIL REFINING COMPANY OF TEXAS, Longview, Tex. Filed Oct. 28, 1947.

Sky Ranger

FOR LUBRICATING OILS FOR AIRPLANES.
Claims use since May 7, 1947.

Ser. No. 539,459. TOPP OIL & CHEMICAL CO., Milwaukee, Wis. Filed Oct. 29, 1947.

RED TOP

The drawing is lined to indicate the color red.
FOR LUBRICATING OILS AND GREASES.
Claims use since April 1929.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 542,148. MASTIC TILE CORPORATION OF AMERICA, Newburgh, N. Y. Filed Nov. 24, 1947.

MA-TI-CO

FOR ASPHALT FLOOR TILES.
Claims use since Aug. 1, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 527,209. DYNAMATIC CORPORATION, Kenosha, Wis. Filed July 5, 1947.

DYNAMATIC

Ser. No. 539,035. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich. Filed Oct. 25, 1947.

DIAMOND

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 498,569. MAXIMILIAN C. MEYER, doing business as P M Game Company, New York, N. Y. Filed Feb. 10, 1948; originally filed, act of 1905, Mar. 19, 1946.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 515,226. INDUSTRIAL MOLDED PRODUCTS CO., INC., Chicago, Ill. Filed Sept. 10, 1947; originally filed, act of 1905, Jan. 3, 1947.

The trade-mark comprises the letters "Ind."
FOR MOLDED PLASTIC ARTICLES—NAMELY, RELAY BASES, BOBBINS FOR ELECTRICAL RELAYS AND SOLENOIDS, TERMINAL HEADS FOR ELECTRICAL CONNECTORS, SWITCH LEVERS FOR AUTOMATIC ELECTRICAL SWITCHES, BRUSH HOLDER CAPS FOR ELECTRICAL MOTORS, DUST PLATES FOR ELECTRICALLY DRIVEN SANDING MACHINES, TERMINAL BLOCKS FOR ELECTRICAL CONNECTIONS, SHELLS FOR ELECTRIC SOCKETS, SWITCH END FOR ELECTRIC SOCKETS, ELECTRIC PEN HANDLES, LUG STRIPS FOR ELECTRICAL CONNECTORS, SWITCH BUTTONS, PLUNGER ASSEMBLIES FOR ELECTRONIC EQUIPMENT, AND SOCKET ASSEMBLIES FOR RADIO TUBES.
Claims use since Mar. 10, 1938.

Ser. No. 527,019. THE EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 5, 1947.

MAGIC-LITE

In this application, applicant makes no claim to the word "Lite." Applicant claims ownership of registration No. 158,548.
FOR ELECTRIC-LIGHTING FIXTURES.
Claims use since Mar. 4, 1922.

Ser. No. 527,024. THE EDWIN F. GUTH COMPANY, St. Louis, Mo. Filed July 5, 1947.

FLU-O-INDIRECT

In this application, applicant makes no claim to the word "Indirect."
FOR ELECTRIC LIGHTING FIXTURES.
Claims use since Apr. 1, 1941.

Ser. No. 527,209. DYNAMATIC CORPORATION, Kenosha, Wis. Filed July 5, 1947.

DYNAMATIC

Applicant claims ownership of registrations Nos. 316,735, 419,310, 425,108, and 419,309.
FOR ELECTRO-MAGNETIC CLUTCHES OR COUPLINGS FOR USE AS ELECTRIC VARIABLE-SPEED POWER-TRANSMISSIONS ON POWER BOATS AND IN INDUSTRIAL MACHINERY—NAMELY, COMPRESSORS, REFRIGERATORS, AND FANS; ELECTRIC CLUTCHES; ELECTRIC BRAKES; VOLTAGE CONTROLS; AND ELECTRIC VALVES—TO WIT, OVERRUNNING POWER-TRANSMISSION CLUTCHES.
Claims use since Mar. 5, 1934.

Ser. No. 529,616. EUREKA WILLIAMS CORPORATION, Bloomington, Ill. Filed July 26, 1947.

DISPOS-O-MATIC

The prefix "Dispos" is disclaimed apart from the mark.
FOR WASTE FOOD DISPOSERS—NAMELY, ELECTRIC GARBAGE GRINDERS FOR ATTACHMENT TO KITCHEN SINKS.
Claims use since May 27, 1947.

Ser. No. 530,116. THE OKONITE-CALLENDER CABLE COMPANY, INCORPORATED, Paterson, N. J. Filed July 31, 1947.

VERTICOL

FOR IMPREGNATING OR FILLING COMPOUNDS FOR PAPER OR VARNISHED CAMBRIC INSULATED ELECTRIC POWER CABLES, THE COMPOUND CONSISTING OF A MIXTURE OF A NAPHTHENIC BASE CYLINDER TYPE PETROLEUM OIL AND A SATURATED SYNTHETIC HYDROCARBON POLYMER.
Claims use since May 16, 1947.

Ser. No. 536,510. ELECTRIC SPECIALTY COMPANY, INCORPORATED, Stamford, Conn. Filed Oct. 2, 1947.

ESCO

Applicant claims ownership of registration No. 162,243.
FOR DIRECT AND ALTERNATING CURRENT MOTORS, GENERATORS, MOTOR-GENERATORS, DYNAMOTORS, AND ROTARY CONVERTERS.
Claims use since 1922.

Ser. No. 536,035. DIAMOND POWER SPECIALTY CORPORATION, Detroit, Mich. Filed Oct. 25, 1947.

UTILISCOPE

FOR TELEVISION TRANSMITTING AND RECEIVING APPARATUS.
Claims use since June 22, 1946.

Ser. No. 547,126. INDUSTRIAL TELEVISION, INC., Clifton, N. J. Filed Jan. 15, 1948.

Teleceiver

FOR TELEVISION RECEIVERS.
Claims use since Apr. 1, 1947.

Ser. No. 547,594. URBANA MANUFACTURING COMPANY, Urbana, Ohio. Filed Jan. 20, 1948.

WASP

FOR ELECTRIC MOTORS.
Claims use since Mar. 1, 1946.

Ser. No. 547,707. THE CRESCENT COMPANY, INC., Pawtucket, R. I. Filed Jan. 22, 1948.

CRESCENT

FOR BATTERY CABLES.
Claims use since Jan. 1, 1924.

Ser. No. 547,708. THE CRESCENT COMPANY, INC., Pawtucket, R. I. Filed Jan. 22, 1948.

CRESCENT *Wiry Joe*

FOR BATTERY CABLES.
Claims use since June 1, 1932.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 493,569. MAXIMILIAN C. MEYER, doing business as P M Game Company, New York, N. Y. Filed Feb. 10, 1948; originally filed, act of 1905, Mar. 19, 1946.

PRO BASEBALL

The word "Baseball" is disclaimed apart from the mark.
FOR BASEBALL GAME.
Claims use since December 1945.

Ser. No. 521,015. KELMAR CORPORATION, Milwaukee, Wis. Filed Feb. 21, 1948; originally filed, act of 1905, Apr. 19, 1947.

POW'R POP

The word "Pop" is disclaimed.
FOR TOY PISTOLS.
Claims use since July 1946.

Ser. No. 529,103. WINIFRED B. SHERMAN, Detroit, Mich. Filed July 21, 1947.

Little People

FOR DOLLS AND DOLL CLOTHES.
Claims use since Nov. 5, 1946.

Ser. No. 544,215. A. G. SPALDING & BROS. INC., Chicopee, Mass. Filed Dec. 12, 1947.

KRO-FLITE

Applicant claims ownership of registrations Nos. 265,420, 285,865, and 375,087.
FOR GOLF BALLS, TENNIS RACKETS, GOLF CLUBS, BADMINTON RACKETS, SQUASH RACKETS, AND TABLE TENNIS BATS.
Claims use since 1919.

Ser. No. 551,094. DUNLOP TIRE AND RUBBER CORPORATION, Buffalo, N. Y. Filed Mar. 3, 1948.

MAXPLY

Applicant claims ownership of registration No. 298,103.
FOR TENNIS AND BADMINTON RACKETS.
Claims use since Sept. 11, 1936.

Ser. No. 551,132. THE OHIO BOWLING & BILLIARD SUPPLY CO., Cleveland, Ohio. Filed Mar. 3, 1948.

CLASSIC

Ser. No. 506,222. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio. Filed July 5, 1947; originally filed, act of 1905, July 25, 1946.

Ser. No. 526,532. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind. Filed July 6, 1947.

DIAMOND

Ser. No. 528,686. THE BASTIAN-BLESSING COMPANY, Chicago, Ill. Filed July 16, 1947.

REGO

Ser. No. 551,132. THE OHIO BOWLING & BILLIARD SUPPLY CO., Cleveland, Ohio. Filed Mar. 3, 1948.

CLASSIC

FOR BOWLING PINS.
Claims use since Feb. 8, 1946.

Ser. No. 551,133. THE OHIO BOWLING & BILLIARD SUPPLY CO., Cleveland, Ohio. Filed Mar. 3, 1948.

MAJOR

FOR BOWLING PINS.
Claims use since Feb. 8, 1946.

Ser. No. 551,595. J. & E. STEVENS COMPANY, Cromwell, Conn. Filed Mar. 9, 1948.

THE SHERIFF

FOR TOY PISTOLS.
Claims use since Dec. 15, 1947.

Ser. No. 560,181. BROWN & BIGELOW, St. Paul, Minn. Filed June 25, 1948.

B&B

FOR PLAYING CARDS.
Claims use since Mar. 5, 1926.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 487,308. CHAIN BELT COMPANY, Milwaukee, Wis. Filed Sept. 29, 1947; originally filed, act of 1905, Aug. 20, 1945.

REX

Applicant claims ownership of registrations Nos. 126,139, 126,140, 132,109, 278,177, 292,083, 350,360, and 406,266.
FOR FOOD PROCESSING MACHINES AND EQUIPMENT—VIZ., APPARATUS FOR THE CONTINUOUS PASTEURIZATION AND DEAERATION OF LIQUID AND SEMI-LIQUID FOODS, COMPRISING A SALTING UNIT, A HOLDING UNIT, A STERILIZING UNIT, A DEAERATING UNIT, AND A UNIT FOR HEATING AND/OR COOLING THE PACKAGED PRODUCT, ALL SOLD UNDER THE MARK AS A UNITARY APPARATUS; AND PARTS THEREOF.
Claims use since July 10, 1944.

Ser. No. 506,222. THE AMERICAN FORK AND HOE COMPANY, Cleveland, Ohio. Filed July 5, 1947; originally filed, act of 1905, July 25, 1946.

PARROT
TRUE TEMPER

Applicant disclaims the use of the words "True Temper" apart from the mark. Applicant claims ownership of registrations Nos. 62,551, 239,511, 258,244, 258,575, 260,024, 283,564, and 146,672.
FOR AXES, HAMMERS, HATCHETS, SPADES, SHOVELS, HOES, AND RAKES.
Claims use since June 1941.

Ser. No. 507,674. EASTMAN OIL WELL SURVEY COMPANY, Denver, Colo. Filed Aug. 22, 1947; originally filed, act of 1905, Aug. 20, 1946. Under section 2f of the act of 1946.

Eastman

FOR OIL WELL TOOLS—NAMELY, WHIPSTOCKS AND KNUCKLE JOINTS FOR WELL DRILLING AND SELF-ORIENTING DEFLECTING TOOLS FOR WELL DRILLING.
Claims use since Jan. 1, 1935.

Ser. No. 509,471. RITE TOOL, INC., Fall River, Mass. Filed Sept. 30, 1947; originally filed, act of 1905, Sept. 20, 1946. Under section 2f of the act of 1946.

RITE TOOL

The word "Tool" is disclaimed.
FOR HAND ACTUATED TOOLS FOR TRUING AND UNDERCUTTING COMMUTATORS.
Claims use since July 1940.

Ser. No. 519,846. THE WAYNE PUMP COMPANY, Fort Wayne, Ind. Filed Jan. 10, 1948; originally filed, act of 1905, Mar. 29, 1947.

Collaps-A-Hose

The word "Hose" and the representation of the hose is disclaimed apart from the mark.
FOR PORTABLE AND STATIONARY AIRCRAFT REFUELING SYSTEMS SOLD AS A UNIT CONSISTING OF ONE OR MORE PUMPS, AN ELECTRONICALLY CONTROLLED VARIABLE VALVE UNIT, A METER AND REGISTER, A STRAINER AND DISCHARGE VALVE, A REEL AND HOSE UNIT, A NOZZLE CONTROL SWITCH, A HOSE REWIND MECHANISM, AND A DEFUELING HOSE.
Claims use since May 20, 1946.

Ser. No. 526,532. DIAMOND CHAIN COMPANY, INC., Indianapolis, Ind. Filed July 5, 1947.

DIAMOND

Applicant claims ownership of registrations Nos. 211,419 and 241,217.
FOR POWER TRANSMISSION CHAINS AND PARTS THEREOF, INCLUDING BUT NOT LIMITED TO BICYCLE CHAINS AND MOTORCYCLE CHAINS, SPROCKETS AND SPROCKET WHEELS FOR USE WITH POWER TRANSMISSION CHAINS, CONVEYOR CHAINS AND PARTS THEREOF, AND CHAIN TYPE FLEXIBLE SHAFT-COUPLINGS AND PARTS THEREOF.
Claims use since Apr. 15, 1896.

Ser. No. 526,840. STANDARD UTILITIES, INC., Pasadena, Calif. Filed July 5, 1947.

HI-KLONIC

FOR FLUSHING APPARATUS COMPOSED OF A PUMP, A FILTER, A HOSE, VALVES, AND A TANK CONTAINING A HEATING ELEMENT, FOR INTERNAL COMBUSTION ENGINES.
Claims use since Dec. 31, 1933.

Ser. No. 527,657. WYEMBERK & STAFF, INC., Chicago, Ill. Filed July 5, 1947.

WYCO

FOR FLEXIBLE SHAFTS OF METAL FOR DRIVING ROTARY TOOLS, FLEXIBLE SHAFT CUTTING, POLISHING AND ABRADING TOOLS, ROTARY HOLE CUTTERS, OSCILLATING SPEED SAWS, ROTARY MOTOR DISKS, SANDING DRUMS, FLEXIBLE SHAFT ROTARY GRINDERS AND POLISHERS, AND PARTS OF THE ABOVE.
Claims use since July 2, 1919.

Ser. No. 528,359. MINNEAPOLIS-MOLINE POWER IMPLEMENT COMPANY, Minneapolis, Minn. Filed July 11, 1947.

MONITOR

The lining in the drawing indicates the colors red and yellow.
FOR AGRICULTURAL IMPLEMENTS — NAMELY, GRAIN DRILLS AND SEEDING MACHINES.
Claims use since June 1, 1874.

Ser. No. 528,686. THE BASTIAN-BLESSING COMPANY, Chicago, Ill. Filed July 16, 1947.

REGO

Applicant claims ownership of registrations Nos. 115,833, 212,613, 280,239, 130,151, and 213,622.
FOR SELF-CONTAINED FIRE EXTINGUISHER VALVES, VALVE RESEATING TOOLS, RETHREADING DIES, SPECIAL REAMERS, REFACING TOOLS, VALVE WRENCHES, AND END WRENCHES.
Claims use since Nov. 2, 1925.

Ser. No. 528,817. QUIK-SEAL, INC., Kansas City, Mo. Filed July 17, 1947. Under section 2f of the act of 1946.

QUIK-SEAL

The word "Seal" is disclaimed apart from the mark. Applicant claims ownership of registration No. 365,520.
FOR SEALING MACHINES FOR WRAPPED PACKAGES.
Claims use since July 1, 1934.

Ser. No. 530,066. WILBERT W. HAASE, doing business as Winnebago Steel Products Company, Fond du Lac, Wis. Filed July 31, 1947.

E-Z

FOR CONCRETE BURIAL VAULT HOIST APPARATUS.
Claims use since May 6, 1947.

Ser. No. 530,518. KOEHRING COMPANY, Milwaukee, Wis. Filed Aug. 5, 1947. Under section 2f of the act of 1946.

twinbatch

Applicant claims ownership of registration No. 372,056.
FOR CONCRETE MIXING AND PAVING MACHINES.
Claims use since Dec. 27, 1937.

Ser. No. 530,937. THE JAEGER MACHINE COMPANY, Columbus, Ohio. Filed Aug. 9, 1947. Under section 2f of the act of 1946.

JAEGER

FOR CONSTRUCTION MACHINES, I. E., CONCRETE MIXERS, AIR COMPRESSORS, PUMPS, I. E. SELF-

PRIMING CENTRIFUGAL PUMPS, SELF-PRIMING JETTING PUMPS, SELF-PRIMING IRRIGATION PUMPS, AND DIAPHRAGM PUMPS, HOIST TOWERS, CRANES, AND ROAD PAVING MACHINES.

Ser. No. 532,288. PAUL GRANCELL, doing business as Paul Grancell Co., Los Angeles, Calif. Filed Aug. 25, 1947.

Ser. No. 532,221. THE H. M. H. CO., Pawtucket, R. I. Filed Aug. 23, 1947.

Ser. No. 543,931. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Dec. 10, 1947.

BRANDON HALL

PRIMING CENTRIFUGAL PUMPS, SELF-PRIMING JETTING PUMPS, SELF-PRIMING IRRIGATION PUMPS, AND DIAPHRAGM PUMPS, HOIST TOWERS, CRANES, AND ROAD PAVING MACHINES.
Claims use since Jan. 3, 1906.

Ser. No. 531,193. G. S. BLAKESLEE & Co., Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Exclusive right to use of the words "Built," "Kitchen," and "Machines" is not claimed.
FOR ELECTRICALLY POWERED DISH WASHING MACHINES AND GLASS WASHING MACHINES, ELECTRICALLY POWERED FOOD MIXING MACHINES, AND ELECTRICALLY POWERED POTATO AND VEGETABLE PEELERS OF THE ABRASIVE DISK TYPE.
Claims use since Jan. 1, 1938.

Ser. No. 531,653. RALPH C. COXHEAD CORPORATION, New York, N. Y. Filed Aug. 18, 1947.

Vari-Typer

The word "Typer" is disclaimed apart from the mark.
Applicant claims ownership of registration No. 251,465.
FOR OFFICE COMPOSING MACHINES AND REPAIR PARTS THEREFOR.
Claims use since Dec. 7, 1926.

Ser. No. 531,874. ADDRESSOGRAPH-MULTIGRAPH CORPORATION, Cleveland, Ohio. Filed Aug. 20, 1947. Under section 2f of the act of 1946.

LOKTAB

Applicant claims ownership of registration No. 328,259.
FOR FRAMES FOR CARRYING PRINTING PLATES AND INDEX TABS.
Claims use since Jan. 15, 1934.

Ser. No. 532,190. ARIENS COMPANY, Brillion, Wis. Filed Aug. 22, 1947. Under section 2f of the act of 1946.

Applicant disclaims right to exclusive use of the word "Tiller," except in combination with the mark. The drawing is lined to indicate blue color.
FOR MACHINES FOR PREPARING, TILLING, AND CULTIVATING SOIL.
Claims use since Apr. 5, 1931.

Ser. No. 532,286. PAUL GRANCELL, doing business as Paul Grancell Co., Los Angeles, Calif. Filed Aug. 25, 1947.

SUZIE-FLIPPER

The word "Flipper" is disclaimed.
FOR ROTATABLE SPATULA.
Claims use since July 23, 1947.

Ser. No. 536,093. THE JOYCE-CRIDLAND CO., Dayton, Ohio. Filed Sept. 29, 1947. Under section 2f of the act of 1946.

JOYCE

FOR LIFTING MECHANISMS—NAMELY, LIFTING JACKS, AUTOMOBILE LIFTS, MATERIAL LIFTS AND HYDRAULIC ELEVATORS, AND PARTS THEREOF.
Claims use since January 1922.

CLASS 27
HOROLOGICAL INSTRUMENTS

Ser. No. 555,325. TSCHUY-VOGT WATCH CO., Grenchen, Switzerland. Filed Apr. 22, 1948.

TEVO

Applicant claims ownership of Swiss registration No. 116,963 dated Sept. 2, 1946.
FOR WATCHES AND WATCH MOVEMENTS.

CLASS 28
JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 528,669. ARMOUR AND COMPANY, Chicago, Ill. Filed July 16, 1947. Under section 2f of the act of 1946.

Sturdi-Strand

The word "Strand" is disclaimed apart from the mark.
FOR STRINGS FOR BEADS.
Claims use since 1928.

Ser. No. 528,673. ARMOUR AND COMPANY, Chicago, Ill. Filed July 16, 1947. Under section 2f of the act of 1946.

SAF-T-STRAND

The word "Strand" is disclaimed apart from the mark.
FOR STRINGS FOR BEADS.
Claims use since 1928.

Ser. No. 532,221. THE H. M. H. Co., Pawtucket, R. I. Filed Aug. 23, 1947.

HMH

The trade-mark consists of the initials H. M. H.
FOR RELIGIOUS ARTICLES OF JEWELRY—NAMELY, ROSARIES, MEDALS, BROOCHES, TIE HOLDERS, KEY CHAINS, CRUCIFIXES (ROSARY, STANDING, AND POCKET), CROSSES (NECK CHAIN AND LAPEL), BRACELETS, BELT BUCKLES, LOCKETS, PENDANTS, FINGER RINGS, NECK CHAINS, LAPEL BUTTONS, CUFF LINKS, DRESS CLIPS, WATCH FOBS, AND THE FOLLOWING CONSTRUCTED IN WHOLE OR IN PART OF PRECIOUS METAL: KEY HOLDERS (LOOP AND RING TYPE), BASELS, SOCIETY BADGES, BICYCLE CLIPS, ORNAMENTAL AUTO PINS, CLASS PINS, HOLY WATER BOTTLE HOLDERS, WALL PLAQUES, STATUETTES, POCKET PIECES, LETTER OPENERS, BOOK-MARKS, AND MONEY CLIPS.
Claims use since Aug. 15, 1944.

Ser. No. 535,243. THE KAPPA ALPHA ORDER, Louisville, Ky. Filed Sept. 22, 1947.

Applicant claims ownership of registration No. 232,495.
FOR CIGARETTE CASES, CIGARETTE LIGHTERS, CUFF LINKS, CHARMS, FINGER RINGS, BELT BUCKLES, KNIVES, PENS, LAPEL BUTTONS, PINS, TIE CLASPS AND VANITY CASES, ALL MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since June 15, 1897.

Ser. No. 543,455. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Dec. 5, 1947.

E G W & S

FOR SILVER PLATED HOLLOW-WARE.
Claims use since 1922.

Ser. No. 543,931. THE INTERNATIONAL SILVER COMPANY, Meriden, Conn. Filed Dec. 10, 1947.

BRANDON HALL

FOR SILVER-PLATED HOLLOW-WARE.
Claims use since Jan. 27, 1946.

Ser. No. 546,544. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Jan. 9, 1948. Under section 2f of the act of 1946.

Barbara Lee

The name "Barbara Lee" is fanciful.
FOR NECKLACES MADE OF ARTIFICIAL PEARLS.
Claims use since 1939.

Ser. No. 548,993. PRATT & WOLLMAN, INC., New York, N. Y. Filed Feb. 6, 1948.

Shah

FOR JEWELRY NOT INCLUDING WATCHES—NAMELY, BRACELETS, NECK CHAINS, ORNAMENTAL CLASPS, LOCKETS, FINGER RINGS, BROOCHES, BAR PINS, SCARF PINS, COLLAR HOLDERS AND THE FOLLOWING ITEMS MADE IN WHOLE OF, IN PART OF, OR PLATED WITH PRECIOUS METAL—NAMELY, CIGARETTE CASES, VANITIES, KEY RINGS, AND BILL CLIPS.
Claims use since Jan. 12, 1948.

Ser. No. 552,991. LAMBDA SIGMA FRATERNITY, Philadelphia, Pa. Filed Mar. 25, 1948.

ΛΣ

FOR FRATERNITY PIN.
Claims use since Oct. 12, 1892.

CLASS 29
BROOMS, BRUSHES, AND DUSTERS

Ser. No. 522,187. BETTER BUY WHOLESALE GROCERS, [illegible], Calif. [illegible]

CLASS 34
HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 536,621. DOROTHY LAMB, doing business as Concord Recordings, Chicago, Ill. Filed Oct. 3, 1947.

CLASS 39
CLOTHING

Ser. No. 519,917. BELK-STEVENS COMPANY, Winston-Salem, N. C. Filed July 23, 1948; originally filed, act

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 522,187. BETTER BUY WHOLESALE GROCERS, Fresno, Calif. Filed Oct. 11, 1947; originally filed, act of 1905, May 10, 1947. Under section 2f of the act of 1946.

Better Buy

FOR BROOMS.
Claims use since Sept. 1, 1935.

Ser. No. 537,977. THE BRITON BRUSH COMPANY LIMITED, Wymondham, England. Filed Oct. 16, 1947. Under section 2f of the act of 1946.

BRITON

Applicant claims ownership of British registration No. B. 406,223 dated July 19, 1920.
FOR BRUSHES AND BROOMS FOR CLEANING, SCRUBBING, AND SWEEPING; TOILET BRUSHES FOR CLEANING THE HAIR, THE TEETH, AND THE HANDS; PAINT AND VARNISH BRUSHES; PAPER HANGER'S BRUSHES; STIPPLING BRUSHES; GRAINER'S BRUSHES; GLUE BRUSHES; TAR BRUSHES; STENCIL BRUSHES; WHITEWASH BRUSHES; DISTEMPER BRUSHES; GROUND BRUSHES; FITCHES; AND JAMB DUSTERS.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 548,241. CRAWFORD MANUFACTURING CO., INC., Richmond, Va. Filed Jan. 29, 1948.

KOZY-NOOK

Applicant claims ownership of registration No. 332,140.
FOR HASSOCKS AND SLIP COVERS FOR FURNITURE.
Claims use since Aug. 31, 1935.

CLASS 33

GLASSWARE

Ser. No. 539,616. AMERICAN PERFIT CRYSTAL CORPORATION, New York, N. Y. Filed Oct. 31, 1947.

HI-F

FOR WATCH CRYSTALS.
Claims use since Oct. 14, 1947.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 522,613. MOTOROLA, INC., Chicago, Ill., by change of name from Galvin Manufacturing Corporation. Filed Sept. 9, 1947; originally filed, act of 1905, May 17, 1947.

Motorola

Applicant claims ownership of registrations Nos. 275,837, 399,935, and 400,049.
FOR SPACE HEATER USING LIQUID FUEL FOR GENERAL USE.
Claims use since October 1941.

Ser. No. 535,655. U. S. MACHINE CORPORATION, Lebanon, Ind. Filed Sept. 24, 1947.

TRU-LUX

FOR OIL BURNERS AND SPACE HEATERS.
Claims use since May 22, 1947.

Ser. No. 536,938. MAHL MFG. CO., Huntington Park, Calif. Filed Oct. 6, 1947.

MODUFLAME

FOR FLOOR FURNACES.
Claims use since June 15, 1946.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 554,604. QUAKER RUBBER CORPORATION, Philadelphia, Pa. Filed Apr. 14, 1948.

QUAPRENE

FOR HOSE AND FLANGE AND JOINT SHEET PACKING MADE OF SYNTHETIC RUBBER COMPOUND.
Claims use since 1937.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 534,911. MODERN MELODIES, INC., Chicago, Ill. Filed Sept. 18, 1947.

MUCHOMELODIE

FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since Dec. 19, 1946.

Ser. No. 534,621. DOROTHY LAMB, doing business as Concord Recordings, Chicago, Ill. Filed Oct. 3, 1947.

Concord RECORDINGS

The word "Recordings" and the representation of a label is disclaimed apart from the mark.
FOR MECHANICALLY GROOVED MUSICAL RECORDINGS.
Claims use since May 5, 1947.

Ser. No. 539,805. THE BOYE NEEDLE COMPANY, Chicago, Ill. Filed July 7, 1947. Under section 2f of the act of 1946.

"BOYE"

Applicant claims ownership of registration No. 235,454.
FOR PHONOGRAPH NEEDLES.
Claims use since June 1921.

Ser. No. 544,765. RADOR CORPORATION, New York, N. Y. Filed Dec. 18, 1947.

CETRA SORIA

Applicant disclaims sole use of the surname "Soria."
Applicant claims ownership of registration No. 431,642.
FOR MECHANICALLY GROOVED PHONOGRAPH RECORDS AND PHONOGRAPH RECORD ALBUMS SOLD EMPTY IN THE TRADE.
Claims use since Dec. 8, 1947.

CLASS 37

PAPER AND STATIONERY

Ser. No. 537,968. RICHARD BEST PENCIL COMPANY, INC., Springfield, N. J. Filed Oct. 16, 1947. Under section 2f of the act of 1946.

LAFAYETTE

Applicant claims ownership of registration No. 286,093.
FOR LEAD PENCILS.
Claims use since December 1914.

CLASS 39

CLOTHING

Ser. No. 519,917. BELK-STEVENS COMPANY, Winston-Salem, N. C. Filed July 28, 1948; originally filed, act of 1905, Apr. 1, 1947. Under section 2f of the act of 1946.

BELK'S RED CAMEL

FOR MEN'S AND BOYS' OVERALLS.
Claims use since Oct. 23, 1930.

Ser. No. 523,220. HIRSCH SHIRT CORPORATION, Chicago, Ill., assignor to E. D. Hirsch and Associates, Inc., a corporation of Illinois. Filed Aug. 2, 1947; originally filed, act of 1905, May 28, 1947.

Ambassador

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND SPORT SHIRTS, AND MEN'S AND BOYS' UNDERWEAR AND PAJAMAS.
Claims use since Mar. 26, 1919.

Ser. No. 527,243. JOHNSON, STEPHENS AND SHINKLE SHOE COMPANY, St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

3 1

2

Applicant claims ownership of registration No. 357,876.
FOR SHOES OF LEATHER, OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC.
Claims use since May 2, 1935.

Ser. No. 527,703. CONSOLIDATED RETAIL STORES, INC., St. Louis, Mo. Filed July 5, 1947. Under section 2f of the act of 1946.

Peggy Lee

The name "Peggy Lee" is fanciful.
FOR SHOES CONSTRUCTED OF COMBINATIONS OF LEATHER, RUBBER, AND FABRIC.
Claims use since Sept. 1, 1930.

Ser. No. 530,105. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed July 31, 1947. Under section 2f of the act of 1946.

HI-SLIP

FOR RUBBERS AND RUBBER OVERSHOES.
Claims use since Apr. 7, 1933.

Ser. No. 530,544. MICHELSON MANUFACTURING COMPANY, Canton, Ill. Filed Aug. 5, 1947.

Ser. No. 532,158. NELSON KNITTING COMPANY, Rockford, Ill. Filed Aug. 22, 1947.

Ser. No. 537,184. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Oct. 8, 1947.

Ser. No. 542,147. MACLACHLAN HATS LIMITED, INC., South Norwalk, Conn. Filed Nov. 24, 1947.

Ser. No. 530,544. MICHELSON MANUFACTURING COMPANY, Canton, Ill. Filed Aug. 5, 1947.

"Don't Spare 'em"

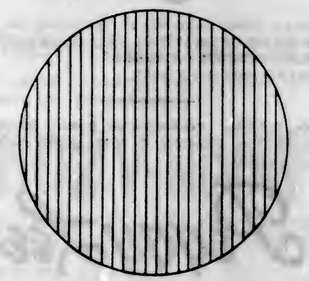
FOR WORK CLOTHING—NAMELY, COATS, JACKETS, AND COVERALLS.
Claims use since Apr. 10, 1947.

Ser. No. 531,367. POWELL & CAMPBELL, INC., New York, N. Y. Filed Aug. 14, 1947. Under section 2f of the act of 1946.

CAMPBELL'S HEALTH SHOE

Applicant disclaims the words "Health Shoe" separately from the entire mark. Applicant claims ownership of registrations Nos. 349,755 and 166,967.
FOR BOOTS, SHOES, SANDALS, SLIPPERS, AND RUBBERS MADE OF LEATHER, RUBBER, CANVAS, AND FABRIC, AND COMBINATIONS THEREOF, FOR MEN, WOMEN, CHILDREN, INFANTS, AND BABIES.
Claims use since Apr. 17, 1923.

Ser. No. 531,819. MISHAWAKA RUBBER AND WOOLEN MANUFACTURING COMPANY, Mishawaka, Ind. Filed Aug. 19, 1947.



The drawing is lined for red. This color is not confined to any special shade of red, but includes the darker and lighter shades of said color. The shades include such names as scarlet, pink, or crimson. Applicant claims ownership of registrations Nos. 36,471, 228,151, 264,210, 356,086, and 364,618.
FOR FOOTWEAR MADE OF RUBBER AND OF COMBINATIONS OF RUBBER AND FABRIC AND OF RUBBER AND LEATHER—NAMELY, BOOTS, SHOES, OVERSHOES, ARCTICS, GAITERS, RUBBERS, FOOTHOLDS, LOCKER SANDALS, OVERS, CANVAS SHOES, CASUAL AND NOVELTY SHOES; ALSO RUBBER SOLES AND HEELS, WOOL BOOTS, KNIT GAITERS, KNIT WOOL BOOTEES, INSOLES, AND SOCKS.
Claims use since Oct. 15, 1891.

Ser. No. 532,158. NELSON KNITTING COMPANY, Rockford, Ill. Filed Aug. 22, 1947.

All words appearing in the drawing with the exception of the word "Red" are disclaimed apart from the mark. The heel tip in the drawing is lined to represent the color red in contrast to the color of the rest of the sock. Applicant claims ownership of registration No. 304,817.
FOR HOSIERY.
Claims use since Oct. 5, 1935.

Ser. No. 535,913. WELLS LAMONT CORPORATION, Chicago, Ill. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 251,327, 303,697, 324,700, 342,532, 380,631, 388,057, 388,726, 393,273, 394,723, 399,009, and 406,160.
FOR WORK GLOVES OF FABRIC AND COMBINED FABRIC AND LEATHER.
Claims use since Jan. 2, 1934.

Ser. No. 535,915. WELLS LAMONT CORPORATION, Chicago, Ill. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registrations Nos. 251,327, 303,697, 324,700, 342,532, 380,631, 388,057, 388,726, 393,273, 394,723, 399,009, and 406,160.
FOR WORK GLOVES OF LEATHER AND FABRIC COMBINATION.
Claims use since May 20, 1932.

Ser. No. 537,184. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Oct. 8, 1947.

Kold-Out

FOR KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS.
Claims use since November 1931.

Ser. No. 537,186. P. H. HANES KNITTING COMPANY, Winston-Salem, N. C. Filed Oct. 8, 1947.

SLEEPY HEAD

FOR KNIT AND WOVEN UNDERWEAR FOR MEN, WOMEN, AND CHILDREN, AND CHILDREN'S SLEEPERS.
Claims use since July 23, 1937.

Ser. No. 537,775. ABERLÉ, INC., Philadelphia, Pa. Filed Oct. 14, 1947. Under section 2f of the act of 1946.

Aberlé

Applicant claims ownership of registration No. 333,470.
FOR HOSIERY.
Claims use since June 1936.

Ser. No. 539,038. JESSE H. FRANK, Philadelphia, Pa. Filed Oct. 25, 1947.

PETER PIPER

The name "Peter Piper" is fictitious, it being widely known as the name of a character in a popular nursery rhyme. Applicant claims ownership of registration No. 391,165.
FOR BOYS' WASH SUITS.
Claims use since Jan. 3, 1922.

Ser. No. 542,147. MACLACHLAN HATS LIMITED, INC., South Norwalk, Conn. Filed Nov. 24, 1947.

Mac Donald

Applicant disclaims the surname "MacDonald" apart from the mark.
FOR MEN'S, WOMEN'S, AND BOYS' FUR FELT HATS.
Claims use since Aug. 28, 1946.

Ser. No. 545,167. RAYFEL HOSIERY MILLS, INC., Phoenixville, Pa. Filed Dec. 22, 1947.

★ ★ ★ Rayfel ★ ★ ★
TOPICO

FOR LADIES' HOSIERY.
Claims use since Nov. 7, 1947.

Ser. No. 563,009. RITTER BROS. INC., New York, N. Y. Filed Aug. 7, 1948. Under section 2f of the act of 1946. The word "Mink" is disclaimed.

Ritter Blue Ribbon Mink

FOR LADIES' MINK COATS.
Claims use since December 1942.

CLASS 41

CANES, PARASOLS, AND UMBRELLAS

Ser. No. 570,179. B. ALTMAN & CO., New York, N. Y. Filed Dec. 8, 1948.

FOR CANES AND UMBRELLAS.
Claims use since 1915.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

CLASS 44

DENTAL, MEDICAL, AND SURGICAL

Ser. No. 555,099. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Apr. 20, 1948.

Ser. No. 535,191. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed Sept. 20, 1947.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Ser. No. 526,562. FINE WOOLEN COMPANY, LIMITED, London, England. Filed July 5, 1947.

SHIELANA

FOR PIECE GOODS COMPOSED WHOLLY OR PRINCIPALLY OF WOOL OR WORSTED.
Claims use since Nov. 1, 1946.

Ser. No. 557,175. ROBERT BRENNER, doing business as Raybrand Textile Company, New York, N. Y. Filed May 17, 1948.

RAYBRAND

The words "A Fabric You Can Depend On" are disclaimed apart from the mark.
FOR PIECE GOODS, MADE OF WOOLEN, LINEN, COTTON, RAYON, AND COMBINATIONS THEREOF FIBRES.
Claims use since May 29, 1947.

Ser. No. 561,775. PRESTON S. SCHWARZ, New York, N. Y. Filed July 20, 1948.

Beech-Nut

FOR COTTON AND RAYON FABRICS.
Claims use since June 17, 1948.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 535,266. ALEXANDER SILVERMAN, Pittsburgh, Pa. Filed Sept. 22, 1947.

FILE

Applicant disclaims the descriptive word "File."
FOR NAIL FILES.
Claims use since Aug. 7, 1946.

Ser. No. 535,859. MEISINGER COMPANY, New York, N. Y. Filed Sept. 26, 1947. Under section 2f of the act of 1946.

Meisinger

FOR DENTAL BURRS, DENTAL ARMS, DENTAL MOTORS, AND DENTAL CASTING MACHINES.
Claims use since Jan. 3, 1934.

Ser. No. 536,037. FRANK PETTIT, doing business as Petti-Products Company, Union, N. J. Filed Oct. 16, 1947.

PETTI

FOR HOLDERS FOR BABIES' NURSING BOTTLES.
Claims use since Sept. 15, 1947.

Ser. No. 547,072. ROSS TRAPP, Salt Lake City, Utah. Filed Jan. 14, 1948.

TELADAR

FOR PERMANENT WAVE MACHINE.
Claims use since Aug. 27, 1947.

Ser. No. 555,099. THE HOSPITAL SPECIALTY COMPANY, Cleveland, Ohio. Filed Apr. 20, 1948.

FEMETTES

FOR SANITARY NAPKINS.
Claims use since July 25, 1926.

Ser. No. 555,564. REX CUTLERY CORPORATION, Irvington, N. J. Filed Apr. 24, 1948.

JOY

Applicant claims ownership of registrations Nos. 409,036 and 434,070.
FOR MANICURE IMPLEMENTS—NAMELY, TOENAIL NIPPERS, MANICURE NIPPERS, CUTICLE NIPPERS, MANICURE SCISSORS, NAIL FILES; PEDICURE SCISSORS; PUSHERS, TWEEZERS, BLACKHEAD EXTRACTORS, AND NOSE SCISSORS.
Claims use since January 1944.

Ser. No. 555,995. DICTOGRAPH PRODUCTS COMPANY, INC., New York, N. Y. Filed May 1, 1948.

ACOUSTICON

Applicant claims ownership of registration No. 39,409.
FOR ELECTRICAL HEARING AIDS.
Claims use since 1902.

CLASS 45

SOFT DRINKS AND CARBONATED WATERS

Ser. No. 528,794. HOME BREWING COMPANY, INC., doing business as Climax Beverage Company, Richmond, Va. Filed July 17, 1947.

Climax

Applicant claims ownership of registration No. 297,325.
FOR MALTLESS SOFT DRINKS AND CARBONATED WATERS.
Claims use since Apr. 1, 1932.

Ser. No. 535,191. THE SQUIRT COMPANY, Beverly Hills, Calif. Filed Sept. 20, 1947.

LULU

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND BASES AND CONCENTRATES AND SIRUPS AND EXTRACTS FOR MAKING SAME.
Claims use since Aug. 19, 1947.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 469,676. GOLDEN STATE PACKING CORPORATION, Long Beach, Calif., assignee of Robert O. Gruwell, Jr., doing business as Golden State Sea Food Co. Filed Oct. 21, 1947; originally filed, act of 1905, Apr. 26, 1944.

SEACO

The representation of the fish is disclaimed apart from the mark as shown. Applicant claims ownership of registration No. 262,275.
FOR CANNED MACKEREL.
Claims use since Dec. 29, 1943.

Ser. No. 517,200. RUSKIN VEGETABLE DISTRIBUTORS, Ruskin, Fla. Filed Nov. 17, 1947; originally filed, act of 1905, Feb. 8, 1947. Under section 2f of the act of 1946.

RUSKIN

FOR FRESH VEGETABLES.
Claims use since Jan. 1, 1942.

Ser. No. 530,681. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 6, 1947.

Ser. No. 535,482. CHICKASHA MILLING COMPANY, Chickasha, Okla. Filed Sept. 24, 1947.

Ser. No. 539,316. C. H. GUENTHER & SON, INC., doing business as Pioneer Flour Mills, San Antonio, Tex. Filed

Ser. No. 542,216. BEAM MILLS, INC., Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Ser. No. 530,681. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Aug. 6, 1947.

The word "Baby" is disclaimed. The representation of a child is fanciful. Applicant claims ownership of registration No. 391,398.

FOR PREPARED BABY FOOD PRINCIPALLY CONSISTING OF STRAINED OATMEAL AND OTHER CEREALS.

Claims use since December 1946.

Ser. No. 530,692. WILBUR-SUCHARD CHOCOLATE COMPANY, INC., Borough of Lititz, Pa. Filed Aug. 6, 1947. Under section 2f of the act of 1946.

VAN DYK

Applicant claims ownership of registration No. 172,409.

FOR CHOCOLATE COATING (LIQUOR) FOR FOOD PURPOSES, MOLDED IN LARGE BLOCKS, PACKED IN BIG PACKAGES, AND SOLD TO BAKERS, ICE CREAM MANUFACTURERS, AND CONFECTIONERY MANUFACTURERS.

Claims use since Dec. 1, 1922.

Ser. No. 531,320. FAR EASTERN MANUFACTURING CO., Long Island City, N. Y. Filed Aug. 14, 1947.

FEMCO

FOR SHREDDED COCONUT.

Claims use since Jan. 1, 1922.

Ser. No. 534,405. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J. Filed Sept. 13, 1947.

4-EV-R BUB-L-GUM

Applicant disclaims the descriptive expression "Bub-L-Gum" aside from the mark. Applicant claims ownership of registration No. 438,366.

FOR CHEWING GUM.

Claims use since Sept. 4, 1947.

Ser. No. 535,482. CHICKASHA MILLING COMPANY, Chickasha, Okla. Filed Sept. 24, 1947.

Washita Rose

The word "Washita" is disclaimed apart from the mark.

FOR HARD WHEAT FLOUR.

Claims use since Sept. 3, 1938.

Ser. No. 535,526. HILL PACKING COMPANY, Topeka, Kans. Filed Sept. 24, 1947.

Sky-Hy

FOR DOG FOOD.

Claims use since Mar. 10, 1941.

Ser. No. 535,527. HILL PACKING COMPANY, Topeka, Kans. Filed Sept. 24, 1947. Under section 2f of the act of 1946.

HILL'S

FOR DOG FOOD.

Claims use since Feb. 13, 1937.

Ser. No. 538,350. BRENDLIN-RICE AND COMPANY, San Luis Obispo, Calif. Filed Oct. 20, 1947.

ALERT

Applicant claims ownership of registration No. 408,058.

FOR FRESH VEGETABLES AND FROZEN VEGETABLES.

Claims use since Aug. 15, 1943.

Ser. No. 539,134. W. H. CLARK FRUIT COMPANY, Jacksonville, Fla. Filed Oct. 27, 1947.

Booty

FOR FRESH CITRUS FRUITS.

Claims use since Sept. 7, 1940.

Ser. No. 539,318. C. H. GUENTHER & SON, INC., doing business as Pioneer Flour Mills, San Antonio, Tex. Filed Oct. 28, 1947.

The word "White" is disclaimed apart from the mark.

FOR WHEAT FLOUR.

Claims use since Sept. 22, 1899.

Ser. No. 541,298. HOLLAND-AMERICAN WAFER COMPANY, Grand Rapids, Mich. Filed Nov. 15, 1947.

DELFT

FOR SUGAR WAFERS.

Claims use since Oct. 31, 1947.

Ser. No. 541,468. PAUL A. RUTH, doing business as Paul A. Ruth Company, Tolleson, Ariz. Filed Nov. 17, 1947.

PARCO

FOR FRESH VEGETABLES.

Claims use since July 23, 1947.

Ser. No. 542,216. ELAM MILLS, INC., Chicago, Ill. Filed Aug. 13, 1947. Under section 2f of the act of 1946.

Elam's

Applicant claims ownership of registrations Nos. 240,534 and 243,250.

FOR WHOLE WHEAT FLOUR, WHOLE WHEAT MEAL, WHOLE CORN MEAL, ENTIRE WHEAT GRAHAM FLOUR, BUCKWHEAT PANCAKE FLOUR, BUCKWHEAT FLOUR, SCOTCH STYLE OATMEAL, STEEL CUT OATMEAL, WHOLE RYE FLOUR, WHOLE RYE MEAL, CRACKED WHEAT, PANCAKE AND WAFFLE FLOUR AND WHOLE WHEAT RUSK.

Claims use since 1918.

Ser. No. 543,954. DAVID MICHAEL AND COMPANY, INCORPORATED, Philadelphia, Pa. Filed Dec. 10, 1947.

TITAN

FOR ARTIFICIAL VANILLA FLAVOR FOR FOOD PURPOSES.

Claims use since Nov. 13, 1947.

Ser. No. 544,053. CHAS. F. CATES & SONS, INC., Faison, N. C. Filed Dec. 11, 1947. Under section 2f of the act of 1946.

Cates

FOR PICKLES—NAMELY, SWEET PICKLES, SWEET MIXED PICKLES, SOUR PICKLES, DILL PICKLES, SWEET ROUND-CUT PICKLES, MIDGET SWEET WHOLE PICKLES, SWEET CANTALOUPE PICKLES, AND GHERKINS SWEET WHOLE PICKLES; SOUR ONIONS, SWEET ONIONS, PICKLED SWEET RELISH, SWEET PEPPER RELISH, SALAD MUSTARD, WORCESTERSHIRE SAUCE.

Claims use since Oct. 1, 1935.

Ser. No. 544,426. DORAN BROTHERS COMPANY, Los Angeles

Ser. No. 544,475. STERILSEAT CORPORATION OF AMERICA,

Ser. No. 528,816. POLK & FRIEDLANDER CO., Chicago, Ill. SERVICE MARK.

Ser. No. 544,428. DOYLE PACKING COMPANY, Los Angeles, Calif. Filed Dec. 16, 1947. Under section 2f of the act of 1946.

Applicant claims ownership of registration No. 308,304.
FOR CANNED DOG FOOD.
Claims use since July 10, 1931.

Ser. No. 544,616. JAMES P. SMITH & COMPANY, INC., New York, N. Y. Filed Dec. 17, 1947.

Cama BRAND

The word "Brand" is disclaimed in and apart from the mark.
FOR PLAIN AND STUFFED OLIVES PACKED IN BOTTLES OR CANS.
Claims use since 1931.

Ser. No. 544,848. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio. Filed Dec. 19, 1947.

HYMAR

FOR HYDROGENATED WHOLE COCOANUT OIL, FOR USE IN THE MANUFACTURE OF CANDY.
Claims use since June 1, 1934.

Ser. No. 544,953. THE WINDER CANNING COMPANY, Circleville, Ohio. Filed Dec. 19, 1947.

Vesper

FOR CANNED VEGETABLES AND CANNED TOMATO JUICE.
Claims use since January 1906.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 521,452. KUEBLER BREWING COMPANY, INC., Easton, Pa. Filed Dec. 30, 1947; originally filed, act of 1905, Apr. 28, 1947.

Skytop

FOR ALE.
Claims use since Apr. 7, 1947.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 535,532. JARDINE LIQUOR CORPORATION, New York, N. Y., assignor to Jardine, Inc., Maspeth, Long Island, N. Y., a corporation of Delaware. Filed Sept. 24, 1947.

Rollado

FOR RUM.
Claims use since Aug. 1, 1947.

Ser. No. 541,306. JARDINE LIQUOR CORPORATION, Maspeth, Long Island, N. Y., assignor to Jardine, Inc., Maspeth, Long Island, N. Y., a corporation of Delaware. Filed Nov. 15, 1947.

MACOMBO

FOR RUM.
Claims use since Nov. 1, 1947.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 532,023. HAUCK MFG. CO. INC., Portland, Oreg. Filed Aug. 21, 1947.

SANOMATIC

FOR MOUSE TRAPS.
Claims use since Apr. 1, 1947.

Ser. No. 539,735. PALLET ENGINEERING COMPANY, San Francisco, Calif., assignor to Newall M. Bryson, San Francisco, Calif. Filed Oct. 31, 1947.

PENCO

FOR METAL BRIDGE RAMPS AND WOODEN LOADING PALLETS.
Claims use since 1946.

Ser. No. 544,475. STERILSEAT CORPORATION OF AMERICA, Philadelphia, Pa. Filed Dec. 16, 1947.

Blue Cross Jan-i-ter

No claim is made to the words "Germ-Free Safe & Sanitary" and "Sterilseat."
FOR REST ROOM CLEANING KIT CONTAINING WINDSHIELD WIPING TISSUE, DRAIN CLEANER, SPRAYER, EMPTY GLASS JAR, CLEANING POWDER, TOILET PAPER, METAL POLISH, AND TISSUE TOWELS, AND CLIPPED ON THE SIDES OF THE KIT ARE ONE CELLULOSE MOP WITH TELESCOPIC MOP HANDLE, ONE TOILET BOWL BRUSH, ONE FORCE CUP OR DRAIN OPENER, AND ONE DRAINER FOR USE WITH MOP.
Claims use since Sept. 10, 1947.

CLASS 55

SERVICES

Ser. No. 526,995. FEDERAL UNDERWRITERS, Dallas, Tex. Filed July 5, 1947. SERVICE MARK.
The words "Associated" and "Hotels" are disclaimed.

Associated FEDERAL Hotels

FOR HOTEL MANAGEMENT—NAMELY, THE OPERATION OF HOTELS AND TOURIST COURTS.
Claims use since Jan. 1, 1944.

Ser. No. 527,031. METROPOLITAN LAUNDRY CO., INC., Seattle, Wash. Filed July 5, 1947. SERVICE MARK.

Sole-Float

FOR LAUNDRY SERVICE.
Claims use since July 22, 1946.

Ser. No. 528,816. POLK & FRIEDLANDER CO., Chicago, Ill. Filed July 17, 1947. SERVICE MARK.

WEATHERIZED

FOR CLEANING AND GLAZING FURS.
Claims use since Jan. 9, 1947.

Ser. No. 529,680. NORTHWESTERN MUTUAL FIRE ASSOCIATION, Seattle, Wash. Filed July 26, 1947. SERVICE MARK. Under section 2f of the act of 1946.

The words "Mutual Fire Association" and the term "Incorporated 1901" are disclaimed apart from the mark.
FOR FIRE, EXTENDED COVERAGE, WINDSTORM (INCLUDING HAIL), RIOT AND CIVIL COMMOTION, EXPLOSION, SPRINKLER LEAKAGE, EARTHQUAKE, INLAND MARINE, AUTOMOBILE, AIRCRAFT AND MOTOR VEHICLE PROPERTY DAMAGE, VANDALISM AND MALICIOUS MISCHIEF INSURANCE.
Claims use since December 1926.

Ser. No. 550,396. DUCTILE CHROME PROCESS CO., Detroit, Mich. Filed Feb. 24, 1948. SERVICE MARK.

DUKTILKROME

FOR CHROMIUM PLATING.
Claims use since Oct. 30, 1944.

442,118. FACE POWDER, ROUGE, AND LIPSTICK.

TRADE-MARK REGISTRATIONS GRANTED

ACT OF 1905

442,087. WITHDRAWN.

442,088. COLLARS (SPACERS FOR THREADING ON TABLE OR FLOOR LAMP STANDARDS), ETC. CORNING GLASS WORKS, Corning, N. Y.
Filed Sept. 22, 1944, Serial No. 474,480. Published Oct. 19, 1948. Class 34.

442,089. MINK PELTS. MUTATION MINK BREEDERS ASSOCIATION, Elkhorn, Wis.
Filed May 16, 1945, Serial No. 483,437. Published Aug. 13, 1946. Class 1.

442,090. SCREW MACHINE PRODUCTS—NAMELY, SCREW DRIVER TYPE TIRE VALVE BLADES, ETC. U. S. AUTOMATIC CORPORATION, Amherst, Ohio.
Filed July 19, 1945, Serial No. 486,012. Published Nov. 2, 1948. Class 13.

442,091. TEA. T. H. ESTABROOKS CO., LIMITED, Saint John, New Brunswick, Canada.
Filed Oct. 24, 1945, Serial No. 490,424. Published Feb. 10, 1948. Class 46.

442,092. PREPARATION FOR USE IN TREATMENT OF SKIN IRRITATION OF THE FEET DUE TO A SPECIAL CONDITION OF RINGWORM KNOWN AS "ATHLETE'S FOOT." ORMONT DRUG & CHEMICAL CO. INC., New York and Long Island City, N. Y.
Filed Apr. 10, 1946, Serial No. 499,962. Published Mar. 11, 1947. Class 6.

442,093. THERMAL INSULATING MATERIAL, ETC. DESLA S. BENNION, Spokane, Wash.
Filed Apr. 15, 1946, Serial No. 500,205. Published Dec. 30, 1947. Class 12.

442,094. FRUIT FLAVORED SOFT DRINK AND CONCENTRATE FOR MAKING SOFT DRINKS. SUNNY CAL BOTTLING COMPANY, Kansas City, Kans.
Filed June 3, 1946, Serial No. 503,232. Published Apr. 22, 1947. Class 45.

442,095. GALVANIZED BARS FOR STORE AWNINGS. ERROL P. D'ASSO, New York, N. Y.
Filed June 15, 1946, Serial No. 503,978. Published Nov. 2, 1948. Class 13.

442,096. VENTILATORS FOR COOKING EQUIPMENT, DOHRMANN HOTEL SUPPLY CO., San Francisco, Calif., assignor to The Hobart Manufacturing Company, Troy, Ohio.
Filed July 6, 1946, Serial No. 505,151. Published Dec. 31, 1946. Class 34.

442,097. COLLAPSIBLE COMBINATION SHOE AND CANE AND UMBRELLA HOLDER MADE OF CLOTH, ADAPTED TO BE SUSPENDED IN A CLOSET OR FROM A DOOR OR WALL. DANIEL EISENBERG, Plainfield, N. J.
Filed July 25, 1946, Serial No. 506,232. Published Nov. 9, 1948. Class 2.

442,098. CHOCOLATES. WALLACE & CO., Brooklyn, N. Y.
Filed Aug. 9, 1946, Serial No. 507,166. Published Oct. 26, 1948. Class 46.

442,099. INSECTICIDE IN POWDER FORM USED FOR THE CONTROL OF INSECTS. MICHIGAN CHEMICAL CORPORATION, St. Louis, Mich.
Filed Sept. 5, 1946, Serial No. 508,540. Published Nov. 9, 1948. Class 6.

442,100. VITAMIN B-COMPLEX EXTRACT DERIVED FROM YEAST. CORNELL PHARMACAL CO., Union City, N. J.
Filed Oct. 1, 1946, Serial No. 510,013. Published Aug. 17, 1948. Class 6.

442,101. CIGARS. AMB-A-TIP CIGAR COMPANY, Baltimore, Md.
Filed Oct. 25, 1946, Serial No. 511,488. Published Oct. 26, 1948. Class 17.

442,102. COLOGNE, BAY RUM, DEODORANT, FOOT POWDER, INSECT REPELLANT, SUN-SCREEN LOTION, AFTER SHAVE LOTION, HAIR LOTION, AND TALCUM POWDER. JOHN HUDSON MOORE, INC., New York, N. Y.
Filed Nov. 5, 1946, Serial No. 512,079. Published Oct. 5, 1948. Class 6.

442,103. FIRE FIGHTING EQUIPMENT—NAMELY, NOZZLES, COUPLINGS, FOG-APPLICATORS, FOG-NOZZLES, AND FOG-HEADS. WESTERN FIRE PROTECTION, INC., Los Angeles, Calif.
Filed Nov. 22, 1946, Serial No. 513,084. Published Oct. 26, 1948. Class 13.

442,104. HARDWARE—NAMELY, SCREW HOOKS AND SCREW EYES OF CADMIUM-PLATE FINISH, AS FOR HOUSEHOLD USE. H. L. JUDD COMPANY, Wallingford, Conn.
Filed Dec. 6, 1946, Serial No. 513,825. Published Oct. 26, 1948. Class 13.

442,105. STEEL AND COPPER TUBING. RICHARD J. FUITE, San Francisco, Calif.
Filed Dec. 16, 1946, Serial No. 514,337. Published Oct. 26, 1948. Class 13.

442,106. ZINC SOAP CONSISTING OF ZINC OXIDE AND RESIN AND FATTY ACIDS, USED AS A DISPERSING AND ACTIVATING AGENT FOR NATURAL AND SYNTHETIC RUBBER FORMULATIONS. WITCO CHEMICAL COMPANY, Chicago, Ill.
Filed Dec. 28, 1946, Serial No. 515,008. Published Oct. 26, 1948. Class 6.

442,107. CLEANSER AND DETERGENT HAVING INCIDENTAL PROPERTIES AS A WATER SOFTENING COMPOUND. SANA-SCENT COMPANY, Newburgh, N. Y.
Filed Jan. 9, 1947, Serial No. 515,517. Published Oct. 26, 1948. Class 4.

442,108. GAS BURNING FLOOR AND WALL FURNACES. MUTUAL LIQUID GAS AND EQUIPMENT CO. INC., Inglewood, Calif.
Filed Jan. 20, 1947, Serial No. 516,029. Published Oct. 19, 1948. Class 34.

442,109. WINDOW CURTAINS. THE AVON CURTAIN CORPORATION, Fall River, Mass.
Filed Jan. 28, 1947, Serial No. 516,465. Published Oct. 26, 1948. Class 42.

442,110. FLUORIDE PRODUCT FOR APPLICATION TO THE TEETH. L. P. STERAN LABORATORIES INC., New Rochelle, N. Y., assignor to Atlantic Manufacturing Corporation, Brooklyn, N. Y., a corporation of New York.
Filed Feb. 27, 1947, Serial No. 518,261. Published June 29, 1948. Class 6.

442,111. METAL WINDOW SASH, METAL WINDOW FRAMES, METAL WINDOW CASEMENTS, METAL STORM SASH, METAL STORM WINDOWS, METAL WINDOW SCREENS, AND PARTS THEREOF. CORRY-JAMESTOWN MANUFACTURING CORPORATION, Corry, Pa.
Filed Mar. 10, 1947, Serial No. 518,753. Published Oct. 19, 1948. Class 12.

442,112. OIL BURNERS AND PARTS THEREOF FOR DOMESTIC AND INDUSTRIAL HEATING. IRVING H. YARIN, doing business as Red Wing Oil Burner Company, Chelsea, Mass.
Filed Apr. 16, 1947, Serial No. 520,850. Published Oct. 19, 1948. Class 34.

442,113. SPOT REMOVER. BRANNAN AND ROSS CHEMICAL PRODUCTS CO., Dallas, Tex.
Filed Apr. 25, 1947, Serial No. 521,318. Published Oct. 12, 1948. Class 4.

442,114. ANIMAL AND POULTRY FEEDS—NAMELY, CATTLE AND HOG CONCENTRATE, SOW AND PIG MEAL, ETC. SPEAR MILLS, INC., Kansas City, Mo.
Filed Apr. 28, 1947, Serial No. 521,483. Published Nov. 2, 1948. Class 46.

442,115. READY MIXED OIL PAINT, VARNISH, AND PAINT ENAMEL. NEW METHOD PAINT CO., Kansas City, Mo.
Filed Apr. 30, 1947, Serial No. 521,606. Published Apr. 13, 1948. Class 16.

442,116. DISPLAY MOUNTING FOR COINS. DAVID R. DENIS, Winnetka, Ill.
Filed May 8, 1947, Serial No. 522,074. Published Nov. 2, 1948. Class 32.

442,117. PRINTED FOLDERS REGULARLY DISTRIBUTED BY APPLICANT AND ITS AGENTS. WELCOME WAGON SERVICE COMPANY, INC., New York, N. Y.
Filed May 23, 1947, Serial No. 522,889. Published Nov. 2, 1948. Class 38.

442,118. FACE POWDER, ROUGE, AND LIPSTICK. RICHARD HUDNUT, New York, N. Y.
Filed May 29, 1947, Serial No. 523,267. Published Nov. 9, 1948. Class 6.

442,119. WINDOW VENTILATORS HAVING POWER DRIVEN FANS. LANGTOT INC., New York, N. Y.
Filed June 7, 1947, Serial No. 523,785. Published Oct. 19, 1948. Class 34.

442,120. COLOR CHIP COMPILATIONS AND PRINTED PUBLICATIONS ISSUED FROM TIME TO TIME. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed June 24, 1947, Serial No. 524,739. Published Nov. 2, 1948. Class 38.

442,121. CIGARS. P. LORILLARD COMPANY, New York, N. Y.
Filed July 2, 1947, Serial No. 525,624. Published Oct. 26, 1948. Class 17.

442,122. PAINTS (DRY, PASTE, OR READY-MIXED); VARNISHES; WOOD FILLERS; AND PAINTERS' MATERIALS—NAMELY, DRIERS, WHITE LEAD, WHITE ZINC, JAPANS, AND COLORS (DRY, PASTE, OR READY MIXED). JOHN LUCAS & COMPANY, INC., Philadelphia, Pa.
Filed July 3, 1947, Serial No. 525,891. Published Oct. 5, 1948. Class 16.

442,123. THERAPEUTIC ARC LAMPS AND CARBONS THEREFOR. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed July 3, 1947, Serial No. 525,928. Published Oct. 5, 1948. Class 44.

ACT OF 1920

These registrations are not subject to opposition.

442,124. (CLASS 32. FURNITURE AND UPHOLSTERY.) MELLIN-QUINCY MANUFACTURING CO., INC., Newark, N. J., assignor to Essex Chair Company, Newark, N. J., a corporation of New Jersey. Filed Mar. 6, 1947, Serial No. 518,611.

ESSEX HOUSE

FOR BEDS, DRESSERS, CHESTS, MIRRORS, VANITIES, NIGHT STANDS, DINETTE TABLES, DINETTE CHAIRS, BUFFETS, CHINAS, SOFAS, ROCKERS, AND SUN PARLOR CHAIRS.
Claims use since Dec. 18, 1946.

ACT OF 1946, PRINCIPAL REGISTER

506,799. STEAK CAPUCHINA OR COOKED BEEFSTEAK, COCOANUT ICE CREAM, ETC. THE COLUMBIA RESTAURANT, Tampa, Fla.
Filed Sept. 2, 1947; originally filed, act of 1905, Apr. 5, 1944, Serial No. 469,034. Published Oct. 26, 1948. Class 46.

506,800. MONTHLY PUBLICATION. CREATIVE FOOTWEAR, INC., Boston, Mass., by change of name from Brown, Lockwood & Davenport Co.
Filed Nov. 20, 1947; originally filed, act of 1905, Dec. 8, 1944, Serial No. 477,317. Published Nov. 9, 1948. Class 38.

506,801. TRICOT KNIT FABRICS IN THE PIECE, MADE OF RAYON, SILK, NYLON, COTTON, WOOL, AND/OR COMBINATIONS OF THESE FIBRES. FAIRY SILK MILLS, INC., Shillington, Pa.
Filed Dec. 23, 1947; originally filed, act of 1905, Dec. 16, 1944, Serial No. 477,647. Published Oct. 5, 1948. Class 42.

506,802. SERIES OF CARTOONS. TRIBUNE COMPANY, Chicago, Ill.
Filed Aug. 13, 1947; originally filed, act of 1905, May 10, 1945, Serial No. 483,194. Published Oct. 26, 1948. Class 38.

506,803. CHEWING GUM. TOPPS CHEWING GUM, INCORPORATED, Brooklyn, N. Y., a corporation of New York, assignee of Topps Chewing Gum.
Filed July 30, 1947; originally filed, act of 1905, Mar.

506,814. FRESH ORANGES. HIGHLAND MUTUAL GROVES, INC., Highland, Calif.
Filed Oct. 6, 1947; originally filed, act of 1905, Sept. 27, 1946, Serial No. 502,844. Published Oct. 26

506,827. NONALCOHOLIC MALTLESS CARBONATED FRUIT PUNCH BEVERAGE. FRED M. HALEY, doing business as Nello Company, Chattanooga, Tenn.
Filed Nov. 3, 1947; originally filed, act of 1905, Mar.

506,839. FOLDING CARDBOARD AND PAPERBOARD BOXES AND CARTONS AND CUT AND SCORED BLANKS THEREFOR. NATIONAL FOLDING BOX COMPANY, INC., New Haven, Conn.
Filed [illegible]; originally filed, act of 1905, June

506,803. CHEWING GUM. TOPPS CHEWING GUM, INCORPORATED, Brooklyn, N. Y., a corporation of New York, assignee of Topps Chewing Gum.
Filed July 30, 1947; originally filed, act of 1905, Mar. 6, 1946, Serial No. 497,756. Published Nov. 2, 1948. Class 46.

506,804. POPCORN IN ITS NATURAL STATE, SALTED POPCORN, AND POPCORN SEASONING. CHAS. E. DARDEN & Co., Dallas, Tex.
Filed Sept. 26, 1947; originally filed, act of 1905, Apr. 26, 1946, Serial No. 500,957. Published Nov. 2, 1948. Class 46.

506,805. ELECTRIC FENCE CHARGERS, ELECTRIC FENCE INSULATORS, ELECTRIC FENCE FASTENERS, ELECTRIC FENCE CONNECTION LEADS, ELECTRIC FENCE TERMINALS, AND ELECTRIC FENCE GATES. NORTHERN SIGNAL COMPANY, INC., Milwaukee, Wis.
Filed Apr. 12, 1948; originally filed, act of 1905, June 7, 1946, Serial No. 503,460. Published Oct. 26, 1948. Class 21.

506,806. BRISTOL BOARD, POSTER BOARD, AND BLANKS USED FOR PRINTING SIGNS, PLACARDS, POSTERS, AND THE LIKE. BROWNVILLE BOARD COMPANY, Brownville, N. Y.
Filed Sept. 23, 1947; originally filed, act of 1905, June 13, 1946, Serial No. 503,798. Published Oct. 12, 1948. Class 37.

506,807. PRINTED, ENGRAVED, AND BLANK CORRESPONDENCE PAPER AND STATIONERY—NAMELY, LETTERHEADS, CARDS, ENVELOPES, AND BLANK SHEETS, ETC. MILPRINT, INC., Milwaukee, Wis.
Filed Aug. 5, 1947; originally filed, act of 1905, June 13, 1946, Serial No. 503,823. Published Nov. 2, 1948. Class 37.

506,808. FLAVORING EXTRACTS FOR FOODS. ROYAL SOUDERS, INC., Dayton, Ohio.
Filed July 26, 1947; originally filed, act of 1905, June 24, 1946, Serial No. 504,517. Published Nov. 9, 1948. Class 46.

506,809. BURNERS FOR DIRECT COMBUSTION OF FUEL BENEATH A LIQUID LEVEL AND CONTROL APPARATUS FOR OPERATING SAID BURNERS. SUBMERGED COMBUSTION COMPANY OF AMERICA, INC., Hammond, Ind.
Filed Dec. 31, 1947; originally filed, act of 1905, June 28, 1946, Serial No. 504,801. Published Oct. 19, 1948. Class 34.

506,810. GAS AND OIL FIRED INDUSTRIAL FURNACES, OVENS AND AIR HEATERS FOR USE IN FORGING, HEAT TREATING, DRAWING, ANNEALING, AND NORMALIZING. THE FOUNDRY EQUIPMENT COMPANY, Cleveland, Ohio.
Filed Dec. 26, 1947; originally filed, act of 1905, Aug. 17, 1946, Serial No. 507,579. Published Oct. 19, 1948. Class 34.

506,811. FRESH VEGETABLES, FRESH MELONS, AND FRESH GRAPES. A. T. BETTENCOURT, Turlock and Huron, Calif.
Filed Oct. 6, 1947; originally filed, act of 1905, Aug. 26, 1946, Serial No. 508,023. Published Nov. 2, 1948. Class 46.

506,812. LOGS AND WOOD INTENDED FOR USE AS SAWMILL MATERIAL. VESTAL LUMBER & MANUFACTURING COMPANY, Knoxville, Tenn.
Filed May 3, 1948; originally filed, act of 1905, Sept. 4, 1946, Serial No. 508,501. Published Nov. 2, 1948. Class 1.

506,813. PRESSURE COOKERS AND PRESSURE CANNERS. NATIONAL PRESSURE COOKER COMPANY, Eau Claire, Wis.
Filed July 29, 1947; originally filed, act of 1905, Sept. 26, 1946, Serial No. 509,786. Published Sept. 28, 1948. Class 13.

506,814. FRESH ORANGES. HIGHLAND MUTUAL GROVES, INC., Highland, Calif.
Filed Oct. 6, 1947; originally filed, act of 1905, Sept. 27, 1946, Serial No. 509,844. Published Oct. 26, 1948. Class 46.

506,815. MOLASSES. J. STROMEYER COMPANY, Philadelphia, Pa.
Filed July 5, 1947; originally filed, act of 1905, Oct. 2, 1946, Serial No. 510,125. Published Oct. 26, 1948. Class 46.

506,816. PAPER BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947; originally filed, act of 1905, Oct. 17, 1946, Serial No. 510,997. Published Aug. 3, 1948. Class 2.

506,817. TONIC FOR HAIR AND SCALP. DR LONEY & COMPANY, INC., Chicago, Ill.
Filed Aug. 12, 1947; originally filed, act of 1905, Nov. 27, 1946, Serial No. 513,300. Published Oct. 26, 1948. Class 6.

506,818. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed Aug. 8, 1947; originally filed, act of 1905, Nov. 29, 1946, Serial No. 513,445. Published Nov. 2, 1948. Class 1.

506,819. LEATHER. MONARCH LEATHER COMPANY, Chicago, Ill.
Filed Aug. 8, 1947; originally filed, act of 1905, Nov. 29, 1946, Serial No. 513,447. Published Nov. 2, 1948. Class 1.

506,820. RADIO RECEIVERS OF CONSOLE, TABLE AND PORTABLE TYPES, ETC. ALLIED RADIO CORPORATION, Chicago, Ill.
Filed Aug. 5, 1947; originally filed, act of 1905, Dec. 4, 1946, Serial No. 513,646. Published Oct. 19, 1948. Class 21.

506,821. WRAPPING PAPER. THE ANCHOR PAPER COMPANY, Cincinnati, Ohio.
Filed Nov. 4, 1947; originally filed, act of 1905, Dec. 28, 1946, Serial No. 514,928. Published Oct. 19, 1948. Class 37.

506,822. LIQUID ADDITION AGENT FOR ELECTROPLATING SOLUTIONS. MACDERMID INCORPORATED, Waterbury, Conn.
Filed Feb. 6, 1948; originally filed, act of 1905, Jan. 17, 1947, Serial No. 515,887. Published Nov. 9, 1948. Class 6.

506,823. FRESH MELONS AND FRESH VEGETABLES. COLORADO RIVER FARMS, INCORPORATED, Blythe, Calif.
Filed Oct. 6, 1947; originally filed, act of 1905, Feb. 4, 1947, Serial No. 516,890. Published Nov. 2, 1948. Class 46.

506,824. RADIO AND TELEVISION RECEIVERS. GILFILLAN BROS. INCORPORATED, Los Angeles, Calif.
Filed Sept. 6, 1947; originally filed, act of 1905, Feb. 17, 1947, Serial No. 517,633. Published Oct. 19, 1948. Class 21.

506,825. SPARKLING WATER AND NON-ALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. NAPA ROCK MINERAL WATER COMPANY, Oakland, Calif.
Filed Dec. 2, 1947; originally filed, act of 1905, Feb. 17, 1947, Serial No. 517,653. Published Oct. 19, 1948. Class 45.

506,826. PIPE MADE OF METAL, PIPE FITTINGS, FLUID SHUT OFF VALVES, AND PRESSURE RELIEF VALVES. GLASCOTE PRODUCTS, INC., Cleveland, Ohio.
Filed Aug. 19, 1947; originally filed, act of 1905, Feb. 24, 1947, Serial No. 517,991. Published Nov. 2, 1948. Class 13.

506,827. NONALCOHOLIC MALTLESS CARBONATED FRUIT PUNCH BEVERAGE. FRED M. HALEY, doing business as Nello Company, Chattanooga, Tenn.
Filed Nov. 3, 1947; originally filed, act of 1905, Mar. 5, 1947, Serial No. 518,528. Published Oct. 19, 1948. Class 45.

506,828. CIGARETTE CASES OF NON-PRECIOUS METAL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed Aug. 8, 1947; originally filed, act of 1905, Mar. 13, 1947, Serial No. 518,970. Published Oct. 26, 1948. Class 8.

506,829. FRESH DECIDUOUS FRUITS AND FRESH GRAPES. NASH-DE CAMP COMPANY, Berkeley, Calif.
Filed Oct. 3, 1947; originally filed, act of 1905, Mar. 15, 1947, Serial No. 519,080. Published Nov. 2, 1948. Class 46.

506,830. WATER CONDITIONING EQUIPMENT—NAMELY, PRESSURE FILTERS OF THE MULTIPLE PAPER DISC TYPE, SAND AND GRAVEL TYPE, SAND AND CARBON TYPE, AND ALL OF THEM CONNECTED IN CIRCUIT WITH WATER LINES HAVING A PUMP. NORWOOD FILTRATION COMPANY, Northampton, Mass.
Filed Apr. 16, 1948; originally filed, act of 1905, Mar. 24, 1947, Serial No. 519,487. Published Nov. 2, 1948. Class 31.

506,831. BRANDY. PADRE VINEYARD COMPANY, Los Angeles and Cucamonga, Calif.
Filed Nov. 17, 1947; originally filed, act of 1905, Apr. 7, 1947, Serial No. 520,292. Published Oct. 19, 1948. Class 49.

506,832. FOOD SUPPLEMENT INCLUDING VITAMINS AND MINERALS FOR CATS, DOGS, AND FUR BEARING ANIMALS. ROBEN PRODUCTS, INC., Des Moines, Iowa.
Filed Oct. 21, 1947; originally filed, act of 1905, Apr. 9, 1947, Serial No. 520,418. Published Nov. 2, 1948. Class 46.

506,833. WHISKEY. W. P. SQUIBB DISTILLING CO., INC., Vincennes, Ind.
Filed Mar. 9, 1948; originally filed, act of 1905, May 7, 1947, Serial No. 522,039. Published Oct. 19, 1948. Class 49.

506,834. ARSENICAL COMPOUND INTENDED FOR TREATMENT OF VENEREAL DISEASES. ABBOTT LABORATORIES, North Chicago, Ill.
Filed Oct. 18, 1947; originally filed, act of 1920, May 23, 1947, Serial No. 522,872. Published June 1, 1948. Class 6.

506,835. AMUSEMENT RIDING DEVICES, SIMULATING A MERRY-GO-ROUND, FOR USE IN PARKS, CARNIVALS, FAIRS, ETC. LEVITT LUSERN CUSTER, doing business as The Custer Specialty Company, Dayton, Ohio.
Filed Sept. 18, 1947; originally filed, act of 1905, May 26, 1947, Serial No. 523,042. Published Oct. 5, 1948. Class 22.

506,836. CIGARETTES. P. LORILLARD COMPANY, New York, N. Y.
Filed Sept. 3, 1947; originally filed, act of 1905, June 2, 1947, Serial No. 523,397. Published Nov. 23, 1948. Class 17.

506,837. OINTMENT FOR MINOR BURNS, CUTS AND SCRATCHES, CHAPPED HANDS, AND BITES AND STINGS OF NON-VENOMOUS INSECTS. WRIGHT R. BAKER, Pennsburg, Pa.
Filed Dec. 5, 1947; originally filed, act of 1905, June 3, 1947, Serial No. 523,452. Published Nov. 9, 1948. Class 6.

506,838. MEDICINAL POWDER FOR MAKING HYGIENIC SOLUTIONS. WRIGHT R. BAKER, Pennsburg, Pa.
Filed Dec. 5, 1947; originally filed, act of 1905, June 3, 1947, Serial No. 523,453. Published Nov. 9, 1948. Class 6.

506,839. FOLDING CARDBOARD AND PAPERBOARD BOXES AND CARTONS AND CUT AND SCORED BLANKS THEREFOR. NATIONAL FOLDING BOX COMPANY, INC., New Haven, Conn.
Filed Jan. 7, 1948; originally filed, act of 1905, June 12, 1947, Serial No. 524,075. Published Nov. 16, 1948. Class 2.

506,840. NEWSPAPER SECTION. FAIRCHILD PUBLICATIONS, INC., New York, N. Y., by consolidation with Women's Wear Company.
Filed May 21, 1948; originally filed, act of 1905, June 23, 1947, Serial No. 524,674. Published Nov. 9, 1948. Class 38.

506,841. CIGARETTE CASES OF NON-PRECIOUS METAL. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed July 5, 1947, Serial No. 526,546. Published Oct. 26, 1948. Class 8.

506,842. FABRIC BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,841. Published July 27, 1948. Class 2.

506,843. FABRIC BAGS AND SACKS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,848. Published Aug. 3, 1948. Class 2.

506,844. PARCEL-POST MAILING-ENVELOPES. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,861. Published Nov. 9, 1948. Class 2.

506,845. FABRIC AND PAPER BAGS AND SACKS FOR CONTAINING PULVERIZED OR GRANULAR MATERIAL AND THE LIKE. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,862. Published Aug. 3, 1948. Class 2.

506,846. BAGS AND SACKS MADE OF PAPER, FABRIC, LAMINATED FABRIC AND PAPER, AND/OR OTHER MATERIALS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,864. Published Aug. 3, 1948. Class 2.

506,847. BAGS AND SACKS MADE OF TEXTILE MATERIALS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,888. Published July 20, 1948. Class 2.

506,848. FABRIC BAGS. BEMIS BRO. BAG COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 526,890. Published July 20, 1948. Class 2.

506,849. ENVELOPE PAPER. THE CHAMPION PAPER AND FIBRE COMPANY, Hamilton, Ohio.
Filed July 5, 1947, Serial No. 527,299. Published Oct. 26, 1948. Class 37.

506,850. WARM-AIR HEATING EQUIPMENT FOR ALL FUELS—NAMELY, GRAVITY-FLOW WARM-AIR FURNACES, FORCED WARM-AIR FURNACES, FURNACE BLOWER FILTER UNITS, STOKERS, OIL BURNERS, AND GAS BURNERS. LIBERTY FOUNDRY COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,436. Published Oct. 19, 1948. Class 34.

506,851. STRIPS, LEAVES, AND SHEETS OF PLAIN, LITHOGRAPH AND PRINTING PAPER FOR USE IN MANIFOLDING REGISTERS, IN TYPEWRITERS, AND IN OTHER MACHINES. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed July 5, 1947, Serial No. 527,566. Published Nov. 2, 1948. Class 37.

506,852. STOVE PIPE, INCLUDING ELBOWS, T JOINTS, REDUCERS, AND FLUE THIMBLES; SPACE HEATERS—NAMELY, WOOD, GAS, AND COAL BURNING TYPES; OVENS, HEATING DRUMS, CAMP STOVES, AND RAIN CAPS, COM-

506,865. WHISKEY. GLENMORE DISTILLERIES COMPANY, Louisville, Ky.
Filed Aug. 5, 1947, Serial No. 530,496. Published Nov. 9, 1948. Class 49.

506,881. FRESH VEGETABLES. MAJOR DISTRIBUTING COMPANY, Salinas, Calif.
Filed Aug. 25, 1947, Serial No. 532,312. Published Oct. 26, 1948. Class 46.

506,882. SANDWICHES. ALFRED C. HILL, doing busi-

506,898. PORCELAIN ENAMEL COATED BASE METAL COOKING, KITCHEN, AND HOUSEHOLD WARE—NAMELY, PUDDING PANS, MIXING BOWLS, ROUND DISH PANS, OVAL DISH PANS, SINK DISH PANS, ETC. THE CANTON STAMPING & ENAMELING COMPANY, Canton, Ohio.

506,852. STOVE PIPE, INCLUDING ELBOWS, T JOINTS, REDUCERS, AND FLUE THIMBLES; SPACE HEATERS—NAMELY, WOOD, GAS, AND COAL BURNING TYPES; OVENS, HEATING DRUMS, CAMP STOVES, AND RAIN CAPS, COMPRISING CHIMNEY AND STACK COWLS. JACKSON-EVANS MANUFACTURING COMPANY, St. Louis, Mo.
Filed July 5, 1947, Serial No. 527,592. Published Nov. 9, 1948. Class 34.

506,853. PROCESSED DEODORIZED EDIBLE VEGETABLE PRODUCTS—NAMELY, OIL AND SHORTENING. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed July 5, 1947, Serial No. 528,021. Published Nov. 2, 1948. Class 46.

506,854. CHILDREN'S SKIPPING AND JUMPING ROPES. KNOX-REESE MANUFACTURERS, Philadelphia, Pa.
Filed July 10, 1947, Serial No. 528,289. Published Oct. 5, 1948. Class 22.

506,855. CLEANING COMPOUND FOR USE IN WASHING AUTOMOTIVE VEHICLES, PAINTED AND TILED SURFACES, FABRICS, CARPETING, UPHOLSTERY, AND COOKING AND EATING UTENSILS. SHUR GLOSS MFG. CO., Chicago, Ill.
Filed July 12, 1947, Serial No. 528,522. Published Nov. 9, 1948. Class 4.

506,856. FURNACE FAN. HOLLAND FURNACE COMPANY, Holland, Mich.
Filed July 15, 1947, Serial No. 528,628. Published Oct. 19, 1948. Class 34.

506,857. WOMEN'S DRESSES, SUITS, COATS, SKIRTS, BLOUSES, AND SCARVES. EISENBERG AND SONS, INC., Chicago, Ill.
Filed July 17, 1947, Serial No. 528,776. Published Sept. 21, 1948. Class 39.

506,858. CANNED SALMON. B. T. WEYAND, doing business as Weyand & Co., Seattle, Wash.
Filed July 19, 1947, Serial No. 528,972. Published Sept. 14, 1948. Class 46.

506,859. HAND CLEANER, A CHEMICAL ABRASIVE COMPOUND USED IN ASSOCIATION WITH WATER, ETC. DIF CORPORATION, Garwood, N. J.
Filed July 24, 1947, Serial No. 529,370. Published Oct. 26, 1948. Class 4.

506,860. NEWS LETTERS AND SHEETS AND WEEKLY TRADE PUBLICATIONS. NATIONAL ASSOCIATION OF HOSIERY MANUFACTURERS, INC., New York, N. Y.
Filed July 24, 1947, Serial No. 529,396. Published Oct. 26, 1948. Class 38.

506,861. CANNED VEGETABLES. K. & P. INDUSTRIES, INC., Kennewick, Wash.
Filed July 26, 1947, Serial No. 529,653. Published Oct. 19, 1948. Class 46.

506,862. BOND PAPER, LAID BOND PAPER, LEDGER PAPER, MIMEOGRAPH PAPER, POSTING LEDGER PAPER, WRITING PAPER, ENVELOPE PAPER, AND PAPER ENVELOPES. HOWARD PAPER MILLS, INC., Dayton, Ohio.
Filed July 30, 1947, Serial No. 530,001. Published Sept. 28, 1948. Class 37.

506,863. MALT AND GRAIN CONCENTRATE FOR THE MANUFACTURE OF MALT BEVERAGES—NAMELY, BEER AND ALE. WALLERSTEIN COMPANY, INC., New York, N. Y.
Filed July 31, 1947, Serial No. 530,134. Published Oct. 19, 1948. Class 48.

506,864. CORN MEAL. HOPKINSVILLE MILLING CO., Hopkinsville, Ky.
Filed Aug. 1, 1947, Serial No. 530,201. Published Nov. 2, 1948. Class 46.

506,865. WHISKEY. GLENMORE DISTILLERIES COMPANY, Louisville, Ky.
Filed Aug. 5, 1947, Serial No. 530,496. Published Nov. 9, 1948. Class 49.

506,866. GUMMED SEALING TAPE. WORTENDYKE MANUFACTURING CO., Richmond, Va.
Filed Aug. 5, 1947, Serial No. 530,612. Published Oct. 26, 1948. Class 5.

506,867. CANNED SALMON. MONITOR FISHERIES, INC., doing business as McGovern & McGovern, Seattle, Wash.
Filed Aug. 7, 1947, Serial No. 530,757. Published Nov. 2, 1948. Class 46.

506,868. THUERINGER SAUSAGE. CHAS. HOLLENBACH, INC., Chicago, Ill.
Filed Aug. 8, 1947, Serial No. 530,821. Published Nov. 2, 1948. Class 46.

506,869. GOLF CLUBS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,972. Published Oct. 12, 1948. Class 22.

506,870. GOLF CLUBS. SPORT PRODUCTS, INC., Cincinnati, Ohio.
Filed Aug. 9, 1947, Serial No. 530,983. Published Oct. 12, 1948. Class 22.

506,871. SOAP. GREAT STUFF PRODUCTS, INC., Minneapolis, Minn.
Filed Aug. 11, 1947, Serial No. 531,028. Published Nov. 2, 1948. Class 4.

506,872. BUBBLE GUM. BUBBLES, INC., Brooklyn, N. Y., assignor to Topps Chewing Gum, Incorporated, Brooklyn, N. Y., a corporation of New York.
Filed Aug. 12, 1947, Serial No. 531,091. Published Oct. 26, 1948. Class 46.

506,873. COCOANUT OIL SHAMPOO; PRESSING OIL; MASSAGE CREAM; NIGHT CREAM; FACE POWDER; LIQUID FACE POWDER; ETC. VALMOR PRODUCTS CO., Chicago, Ill.
Filed Aug. 15, 1947, Serial No. 531,554. Published Nov. 9, 1948. Class 6.

506,874. HASSOCKS. ERO MANUFACTURING COMPANY, Chicago, Ill.
Filed Aug. 16, 1947, Serial No. 531,582. Published Apr. 20, 1948. Class 32.

506,875. FIELD SEEDS. E. F. BURLINGHAM & SONS, Forest Grove, Oreg.
Filed Aug. 18, 1947, Serial No. 531,643. Published Nov. 9, 1948. Class 1.

506,876. CANNED CANE SYRUP. LEONARD D. HICKS, doing business as Madilen Milling Company, Madison, Fla.
Filed Aug. 18, 1947, Serial No. 531,670. Published Nov. 2, 1948. Class 46.

506,877. WHEAT FLOUR. HOPKINSVILLE MILLING CO., Hopkinsville, Ky.
Filed Aug. 18, 1947, Serial No. 531,671. Published Sept. 14, 1948. Class 46.

506,878. MATTRESSES. JORDAN MARSH COMPANY, Boston, Mass.
Filed Aug. 19, 1947, Serial No. 531,804. Published Nov. 2, 1948. Class 32.

506,879. WOOD-ENCASED PENCILS, MECHANICAL PENCILS, PEN POINTS, WOOD, PLASTIC, AND METAL PENHOLDERS, FOUNTAIN PENS, AND BALL POINT PENS. MANUEL VALLADARES, New York, N. Y.
Filed Aug. 21, 1947, Serial No. 532,071. Published Nov. 2, 1948. Class 37.

506,880. CARBON AND MANIFOLDING CARBON PAPER. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J.
Filed Aug. 22, 1947, Serial No. 532,105. Published Nov. 9, 1948. Class 11.

506,881. FRESH VEGETABLES. MAJOR DISTRIBUTING COMPANY, Salinas, Calif.
Filed Aug. 25, 1947, Serial No. 532,312. Published Oct. 26, 1948. Class 46.

506,882. SANDWICHES. ALFRED C. HILL, doing business as Hill's Cafe, Vernon, Tex.
Filed Aug. 26, 1947, Serial No. 532,452. Published Oct. 26, 1948. Class 46.

506,883. COSMETIC KITS, CONTAINING FACE POWDERS, LIP AND NAIL COLORING MATTER, ETC. CLARA E. MCNUTT, Toledo, Ohio.
Filed Aug. 26, 1947, Serial No. 532,478. Published Aug. 17, 1948. Class 6.

506,884. BOURBON WHISKEY. OLD POINDEXTER DISTILLERY, INCORPORATED, Ekron, Ky.
Filed Aug. 26, 1947, Serial No. 532,482. Published Oct. 26, 1948. Class 49.

506,885. FRUIT PRESERVES, JELLIES, JAM, MARMALADE, AND APPLE BUTTER. THE J. M. SMUCKER CO., Orrville, Ohio.
Filed Aug. 26, 1947, Serial No. 532,512. Published Oct. 19, 1948. Class 46.

506,886. PRINTING PAPER. FLETCHER PAPER COMPANY, Alpena, Mich.
Filed Aug. 21, 1947, Serial No. 532,670. Published Nov. 2, 1948. Class 37.

506,887. SPACE HEATERS. LONERGAN MANUFACTURING COMPANY, Albion, Mich.
Filed Aug. 29, 1947, Serial No. 532,839. Published Oct. 19, 1948. Class 34.

506,888. PERIODICAL PUBLICATION. NATIONAL LIVE STOCK PUBLISHING ASSOCIATION, Chicago, Ill.
Filed Sept. 3, 1947, Serial No. 533,191. Published Oct. 26, 1948. Class 38.

506,889. CHILDREN'S MATTRESSES. J. F. WILLIAMS & CO., INC., Rochester, N. Y.
Filed Sept. 3, 1947, Serial No. 533,219. Published Nov. 2, 1948. Class 32.

506,890. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,238. Published Nov. 2, 1948. Class 17.

506,891. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,240. Published Nov. 2, 1948. Class 17.

506,892. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,242. Published Oct. 26, 1948. Class 17.

506,893. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,246. Published Nov. 2, 1948. Class 17.

506,894. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed Aug. 30, 1947, Serial No. 533,247. Published Oct. 26, 1948. Class 17.

506,895. PUBLICATION PUBLISHED FROM TIME TO TIME, ETC. MERMANITE METAL CORPORATION, Chattanooga, Tenn., and New Rochelle, N. Y.
Filed Sept. 4, 1947, Serial No. 533,340. Published Nov. 2, 1948. Class 38.

506,896. ABRASIVE WHEELS. RATBESTOS-MANHATTAN, INC., Passaic, N. J.
Filed Sept. 4, 1947, Serial No. 533,391. Published Oct. 26, 1948. Class 4.

506,897. PORCELAIN ENAMEL COATED BASE METAL COOKING, KITCHEN, AND HOUSEHOLD WARE—NAMELY, PUDDING PANS, MIXING BOWLS, ETC. THE CANTON STAMPING & ENAMELING COMPANY, Canton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,532. Published Oct. 26, 1948. Class 13.

506,898. PORCELAIN ENAMEL COATED BASE METAL COOKING, KITCHEN, AND HOUSEHOLD WARE—NAMELY, PUDDING PANS, MIXING BOWLS, ROUND DISH PANS, OVAL DISH PANS, SINK DISH PANS, ETC. THE CANTON STAMPING & ENAMELING COMPANY, Canton, Ohio.
Filed Sept. 5, 1947, Serial No. 533,533. Published Oct. 26, 1948. Class 13.

506,899. GREETING CARDS. NORCROSS, INC., New York, N. Y.
Filed Sept. 8, 1947, Serial No. 533,766. Published Nov. 2, 1948. Class 38.

506,900. CRYSTALLINE SODIUM PENICILLIN G. BRISTOL LABORATORIES INC., Syracuse, N. Y.
Filed Sept. 9, 1947, Serial No. 533,843. Published Nov. 9, 1948. Class 6.

506,901. PEANUT BUTTER, IMITATION FRUIT JELLIES, AND VINEGAR. CRAFTEST FOODS, INC., Sand Springs, Okla.
Filed Sept. 9, 1947, Serial No. 533,849. Published Nov. 2, 1948. Class 46.

506,902. RING-TYPE BINDING ELEMENTS MADE OF PLASTIC OR METAL, USED IN BINDING PAPER, CATALOGS, BOOKS, AND THE LIKE. GENERAL BINDING CORPORATION, Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 533,876. Published Oct. 19, 1948. Class 37.

506,903. LOW WATER VAPOR PERMEABILITY PACKAGING MATERIALS IN ROLL OR SHEET FORM TO BE USED IN CONJUNCTION WITH DESICCANTS IN MOISTURE-PROOF PACKAGING OR ARTICLES. SHELLMAR PRODUCTS CORPORATION, Chicago, Ill.
Filed Sept. 9, 1947, Serial No. 533,931. Published Nov. 9, 1948. Class 37.

506,904. GAS STOVES. CORY CORPORATION, Chicago, Ill.
Filed Sept. 11, 1947, Serial No. 534,093. Published Oct. 19, 1948. Class 34.

506,905. WOOD-ENCASED PENCILS OF ALL KINDS AND PENCIL ERASERS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,115. Published Nov. 9, 1948. Class 37.

506,906. WOOD-ENCASED PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,118. Published Nov. 9, 1948. Class 37.

506,907. WOOD-ENCASED PENCILS. L. & C. HARDTMUTH, INC., Bloomsbury, N. J.
Filed Sept. 11, 1947, Serial No. 534,120. Published Nov. 9, 1948. Class 37.

506,908. POLISHING AND WAXING PREPARATIONS FOR FLOORS AND SIMILAR SURFACES. THE A. S. HARRISON COMPANY, New York, N. Y.
Filed Sept. 12, 1947, Serial No. 534,279. Published Nov. 9, 1948. Class 16.

506,909. LEATHER BELTING. HOLYOKE BELTING COMPANY, Holyoke, Mass.
Filed Sept. 12, 1947, Serial No. 534,284. Published Nov. 9, 1948. Class 35.

506,910. PERFUMES, TOILET WATER, BATH OIL, DUSTING POWDER, TALCUM POWDER, AND SACHET. HAVILAND LABORATORIES, INC., New York, N. Y.
Filed Sept. 13, 1947, Serial No. 534,438. Published Nov. 9, 1948. Class 6.

506,911. POLISH FOR LEATHER GOODS. BARTON MANUFACTURING COMPANY, St. Louis, Mo.
Filed Sept. 16, 1947, Serial No. 534,591. Published Nov. 9, 1948. Class 4.

506,912. SPRING ASSEMBLIES AND SPRING COILS FOR FURNITURE, BEDDING, AND UPHOLSTERY. COMFORT SPRING CORPORATION, Baltimore, Md.
Filed Sept. 17, 1947, Serial No. 534,750. Published Nov. 16, 1948. Class 32.

506,913. BEER AND ALE. THE WOODEN SHOE BREWING COMPANY, Minster, Ohio.

506,927. MONTHLY MAGAZINE OF INTEREST TO DEALERS IN MEAT. MEAT MERCHANDISING, INC.,

506,942. FRESH VEGETABLES. WILLIAMS FARMS COMPANY, Oxnard, Calif.

506,955. FILING CASES, CABINETS, AND STACKS, IN BOTH SOLID AND SECTIONAL CONSTRUCTIONS, AND FILES, DRAWERS, UNITS, AND

506,912. BEER AND ALE. THE WOODEN SHOE BREWING COMPANY, Minster, Ohio.
Filed Sept. 17, 1947, Serial No. 534,849. Published Oct. 26, 1948. Class 46.

506,914. FOUNTAIN PENS AND PENCILS. STRATFORD PEN CORPORATION, New York, N. Y.
Filed Sept. 18, 1947, Serial No. 534,936. Published Oct. 12, 1948. Class 37.

506,915. ARTISTS' PASTEL CRAYONS. TALENS & SON, INC., Newark, N. J.
Filed Sept. 18, 1947, Serial No. 534,940. Published Oct. 26, 1948. Class 37.

506,916. MEDICINAL PREPARATION IN TABLET FORM HAVING HORMONAL PROPERTIES INDICATED IN THE TREATMENT OF MENOPAUSE AND OTHER DISORDERS. DESBERGERES LIMITED, Montreal, Quebec, Canada.
Filed Sept. 19, 1947, Serial No. 535,004. Published Nov. 9, 1948. Class 6.

506,917. DECALCOMANIAS. THE MEYERCORD COMPANY, Chicago, Ill.
Filed Sept. 24, 1947, Serial No. 535,584. Published Oct. 5, 1948. Class 38.

506,918. CANNED FRUIT, CANNED VEGETABLES, CANNED FRUIT JUICES, CANNED EVAPORATED MILK, DRIED FRUITS, FRUIT PRESERVES, JAMS AND JELLY, CHOPPED CLAMS, CANNED FISH, ALIMENTARY PASTE PRODUCTS, CANNED SOUP, CANNED BERRIES, ETC. RIVAL FOODS, INC., Cambridge, Mass.
Filed Sept. 24, 1947, Serial No. 535,626. Published Oct. 19, 1948. Class 46.

506,919. PERFUME, TOILET WATER, LIPSTICK, LIQUID SKIN SACHET, PERFUMED SACHET IN POWDER FORM, BATH SOFTENER, DUSTING POWDER, BRILLIANTINE, AND BATH TABLETS. HOUBIGANT, INC., New York, N. Y.
Filed Sept. 26, 1947, Serial No. 535,844. Published Nov. 9, 1948. Class 6.

506,920. WHISKEY. MEDLEY DISTILLING COMPANY, Owensboro, Ky.
Filed Sept. 26, 1947, Serial No. 535,858. Published Nov. 2, 1948. Class 49.

506,921. HOUSEHOLD FURNITURE CONSISTING OF CHAIRS, TABLES, DESKS, SECRETARIES, DIVANS, AND CABINETS. MONITOR FURNITURE CO., INC., Jamestown, N. Y.
Filed Sept. 26, 1947, Serial No. 535,862. Published Nov. 2, 1948. Class 32.

506,922. HOUSEHOLD FURNITURE CONSISTING OF CHAIRS, TABLES, DESKS, SECRETARIES, DIVANS, AND CABINETS. MONITOR FURNITURE CO., INC., Jamestown, N. Y.
Filed Sept. 26, 1947, Serial No. 535,863. Published Nov. 2, 1948. Class 32.

506,923. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed Sept. 27, 1947, Serial No. 535,974. Published Nov. 2, 1948. Class 4.

506,924. DOG AND CAT FOOD. WILLARD H. SMITH, doing business as Smithstone Kennel Supply Co., Dublin, Pa.
Filed Sept. 27, 1947, Serial No. 536,003. Published Oct. 26, 1948. Class 46.

506,925. ANTISPASMOTIC PREPARATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed Sept. 29, 1947, Serial No. 536,124. Published Nov. 9, 1948. Class 6.

506,926. INTERLININGS BEING PIECE GOODS OF WORSTED OR HAIR. SHAW & HALSTEAD (HAIRCLOTH) LIMITED, Radcliffe, England.
Filed Sept. 29, 1947, Serial No. 536,166. Published Oct. 26, 1948. Class 42.

506,927. MONTHLY MAGAZINE OF INTEREST TO DEALERS IN MEAT. MEAT MERCHANDISING, INC., St. Louis, Mo.
Filed Oct. 1, 1947, Serial No. 536,410. Published Nov. 2, 1948. Class 38.

506,928. DECALCOMANIAS. THE MEYERCORD COMPANY, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,412. Published Nov. 2, 1948. Class 38.

506,929. DECALCOMANIAS. THE MEYERCORD COMPANY, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,413. Published Nov. 2, 1948. Class 38.

506,930. DECALCOMANIAS. THE MEYERCORD COMPANY, Chicago, Ill.
Filed Oct. 1, 1947, Serial No. 536,415. Published Nov. 2, 1948. Class 38.

506,931. VEHICLE TIRES. CORDUROY RUBBER COMPANY, Grand Rapids, Mich.
Filed Oct. 3, 1947, Serial No. 536,671. Published Nov. 9, 1948. Class 35.

506,932. CHEMICAL ANTISEPTIC, INSECTICIDES, GERMICIDE, DISINFECTANT, AND DEODORANT, FOR SHEEP, CATTLE, HORSES, SWINE, POULTRY, AND FOR HOUSEHOLD PURPOSES. MONROE LABORATORIES, INC., Chicago, Ill.
Filed Oct. 3, 1947, Serial No. 536,707. Published Nov. 9, 1948. Class 6.

506,933. PERIODICALS, RELATING TO ECONOMIC STUDIES OR TRENDS. CHESTER D. TRIPP, doing business as Economic Trend Line Studies, Chicago, Ill.
Filed Oct. 3, 1947, Serial No. 536,734. Published Nov. 2, 1948. Class 38.

506,934. SMOKING TOBACCO. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,914. Published Nov. 2, 1948. Class 17.

506,935. CHEWING TOBACCO. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,919. Published Nov. 16, 1948. Class 17.

506,936. CIGARETTES. P. LORILLARD COMPANY, New York, N. Y.
Filed Oct. 6, 1947, Serial No. 536,926. Published Nov. 2, 1948. Class 17.

506,937. BEER. MILLER BREWING COMPANY, Milwaukee, Wis.
Filed Oct. 6, 1947, Serial No. 536,943. Published Oct. 19, 1948. Class 48.

506,938. MAPS AND ATLASES. AMERICAN MAP COMPANY, INC., New York, N. Y.
Filed Oct. 7, 1947, Serial No. 536,962. Published Oct. 26, 1948. Class 38.

506,939. SALT. MULKEY SALT COMPANY, Detroit, Mich., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois.
Filed Oct. 9, 1947, Serial No. 537,341. Published Oct. 19, 1948. Class 46.

506,940. CONCRETE PRODUCTS—NAMELY, BLOCKS, BRICKS, AND TILES, MADE WITH CEMENT AND SAND, CINDERS, AND OTHER AGGREGATES. BERGEN BUILDING BLOCK INC., Ridgefield Park, N. J.
Filed Oct. 10, 1947, Serial No. 537,406. Published Nov. 9, 1948. Class 12.

506,941. INNER TUBES FOR TIRES. THE POLSON RUBBER COMPANY, Garrettsville, Ohio.
Filed Oct. 10, 1947, Serial No. 537,500. Published Nov. 9, 1948. Class 35.

506,942. FRESH VEGETABLES. WILLIAMS FARMS COMPANY, Oxnard, Calif.
Filed Oct. 10, 1947, Serial No. 537,536. Published Nov. 2, 1948. Class 46.

506,943. PAPER IN SHEETS OR ROLLS SUITABLE FOR IMPREGNATION WITH NATURAL OR SYNTHETIC RUBBER LATICES, GLUE AND GLYCERIN SOLUTIONS, ETC. HOLLINGSWORTH & VOSE COMPANY, East Walpole, Mass.
Filed Oct. 11, 1947, Serial No. 537,589. Published Oct. 12, 1948. Class 37.

506,944. WINE. F. PIERONE & SONS, INC., Garfield, N. J.
Filed Oct. 11, 1947, Serial No. 537,618. Published Oct. 26, 1948. Class 47.

506,945. COMBINATION INDEX AND MEMORANDUM PAD HOLDER ATTACHABLE TO THE BASE OF A TELEPHONE. WILCO PRODUCTS, INC., Philadelphia, Pa.
Filed Oct. 11, 1947, Serial No. 537,644. Published Nov. 2, 1948. Class 37.

506,946. SOAPS. SALOMON FRERES, SOCIETE A RESPONSABILITE LIMITEE, Pantin (Seine), France.
Filed Oct. 13, 1947, Serial No. 537,684. Published Oct. 26, 1948. Class 4.

506,947. BOXED WRITING PAPER, WRITING TABLETS, ENVELOPES, AND POUND PAPERS. POWERS PAPER CO., Springfield, Mass.
Filed Oct. 13, 1947, Serial No. 537,729. Published Oct. 19, 1948. Class 37.

506,948. GAS FIRED FURNACES AND OIL FIRED FURNACES. THE HEIL CO., Milwaukee, Wis.
Filed Oct. 6, 1947, Serial No. 537,764. Published Nov. 9, 1948. Class 34.

506,949. BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENTS, AND ENVELOPES THEREFOR. KAROLTON ENVELOPE COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,802. Published Nov. 9, 1948. Class 37.

506,950. BLANK CARDS AND SHEETS SUITABLE FOR USE IN THE PRODUCTION OF PRINTED OR ENGRAVED SOCIAL AND COMMERCIAL ANNOUNCEMENMTS, AND ENVELOPES THEREFOR. KAROLTON ENVELOPE COMPANY, Chicago, Ill.
Filed Oct. 14, 1947, Serial No. 537,803. Published Nov. 9, 1948. Class 37.

506,951. MONTHLY MAGAZINE RELATING TO DEALERS IN ELECTRICAL GOODS. ELECTRICAL PUBLICATIONS, INC., Chicago, Ill.
Filed Oct. 16, 1947, Serial No. 537,996. Published Nov. 2, 1948. Class 38.

506,952. MEDICINAL PREPARATION OF 6-DIMETHYL AMINO 4,4 DIPHENYL 3-HEPTANONE HYDROCHLORIDE COMMONLY KNOWN AS METHADON HYDROCHLORIDE USED AS AN ANALGESIC AND AS AN ANTITUSSIVE AGENT. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed Oct. 16, 1947, Serial No. 538,016. Published Oct. 12, 1948. Class 6.

506,953. FOUNTAIN PENS, BALL POINTED PENS, AND MECHANICAL PENCILS. EICH-MARC MFG. CO., INC., New York, N. Y.
Filed Oct. 16, 1947, Serial No. 538,039. Published Oct. 12, 1948. Class 37.

506,954. SELF-POLISHING WAX FOR FLOORS AND LINOLEUM AND FOR FURNITURE POLISH HAVING INCIDENTAL CLEANING PROPERTIES. J. W. MOYER, doing business as J. W. Moyer & Sons, Lincoln, Nebr.
Filed Oct. 17, 1947, Serial No. 538,157. Published Oct. 19, 1948. Class 16.

506,955. FILING CASES, CABINETS, AND STACKS, IN BOTH SOLID AND SECTIONAL CONSTRUCTIONS, AND FILES, DRAWERS, UNITS, AND TRANSFER-BOXES THEREFOR MADE WHOLLY OR PARTLY OF METAL OR WOOD; ETC. SECURITY STEEL EQUIPMENT CORPORATION, Township of Woodbridge, N. J.
Filed Oct. 17, 1947, Serial No. 538,183. Published Nov. 16, 1948. Class 32.

506,956. DISTILLED POTABLE ALCOHOLIC BEVERAGES—NAMELY, WHISKEY. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed Oct. 18, 1947, Serial No. 538,247. Published Nov. 2, 1948. Class 49.

506,957. CORSETS, GIRDLES, AND BRASSIÈRES. THE BIDDON BROTHERS COMPANY, New Haven, Conn.
Filed Oct. 20, 1947, Serial No. 538,348. Published Oct. 12, 1948. Class 39.

506,958. JEWELRY, WATCHES, AND EYEGLASS CLEANER. CONNOISSEURS GIFT SHOP, INC., Boston, Mass., now by change of name Connoisseurs Products Corporation, a corporation of Massachusetts.
Filed Oct. 21, 1947, Serial No. 538,497. Published Oct. 5, 1948. Class 4.

506,959. EDIBLE OILS CONTAINING OLIVE OIL AND PEANUT OIL. JOSEPH LENTINI, doing business as Lentini Packing Co., Brooklyn, N. Y.
Filed Oct. 22, 1947, Serial No. 538,646. Published Oct. 26, 1948. Class 46.

506,960. LOW-DENSITY STRUCTURAL WOOD FIBER BOARD FOR INTERIOR FINISH AND FOR THERMAL AND SOUND INSULATION. WOOD CONVERSION COMPANY, St. Paul, Minn.
Filed Oct. 22, 1947, Serial No. 538,695. Published Sept. 28, 1948. Class 12.

506,961. TICKING AND PIECE GOODS OF COTTON AND SYNTHETIC FIBERS. THE P. R. MITCHELL CO., Cincinnati, Ohio.
Filed Oct. 23, 1947, Serial No. 538,800. Published Oct. 26, 1948. Class 42.

506,962. FISHING REELS. BRONSON REEL COMPANY, Bronson, Mich., now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich., a corporation of Michigan.
Filed Oct. 24, 1947, Serial No. 538,877. Published Oct. 5, 1948. Class 22.

506,963. PERMANENT WAVE LOTION, HAIR-END CREAM, HAIR LACQUER, SHAMPOO, AND COLD WAVE LOTION. LOUIS NAPOLITAN, doing business as M. Louis Products Co., New York, N. Y.
Filed Oct. 25, 1947, Serial No. 539,071. Published Nov. 9, 1948. Class 6.

506,964. CHEESE PRODUCT CONTAINING AMERICAN CHEESE AS ITS PRINCIPAL INGREDIENT. PHENIX PABST-ETT COMPANY, Chicago, Ill.
Filed Oct. 25, 1947, Serial No. 539,080. Published Oct. 26, 1948. Class 46.

506,965. DAIRY FEED. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, New York, N. Y.
Filed Oct. 28, 1947, Serial No. 539,216. Published Oct. 26, 1948. Class 46.

506,966. ANTISLIPPING PREPARATIONS APPLIED TO THE FINGERS OR THE HANDS TO PREVENT SLIPPING OF ANYTHING TOUCHED OR GRASPED BY THE FINGERS OR HANDS AS MAY BE APPLIED TO AN IMPLEMENT TO BE GRASPED. HYDRO-CHEMICAL COMPANY INCORPORATED, East Hartford, Conn.
Filed Oct. 29, 1947, Serial No. 539,418. Published Nov. 2, 1948. Class 4.

506,967. OINTMENT USED IN THE TREATMENT OF HEMORRHOIDS. CHICAGO PHARMACAL COMPANY, Chicago, Ill.
Filed Oct. 30, 1947, Serial No. 539,491. Published Aug. 24, 1948. Class 6.

506,968. WHEAT FLOUR, RYE FLOUR, AND CORN MEAL. EAGLE ROLLER MILL CO., doing business as

506,984. PEN HOLDERS AND LETTER OPENERS. NORTHEASTERN PLASTICS, INC., Boston, Mass.

506,998. LOUNGE CHAIRS. THE WOLWIN CHAIR COMPANY, Willoughby, Ohio.
Filed Nov. 19, 1947, Serial No. 541,722. Published Nov.

507,012. MONTHLY PUBLICATION. UNITED ENGINEERING AND FOUNDRY COMPANY, Pittsburgh, Pa.
Filed Sept. 11, 1947, Serial No. 543,019. Published

506,968. WHEAT FLOUR, RYE FLOUR, AND CORN MEAL. EAGLE ROLLER MILL CO., doing business as New Ulm Roller Mill Co., New Ulm, Minn.
Filed July 5, 1947, Serial No. 539,592. Published Oct. 26, 1948. Class 46.

506,969. VARNISH. MINNESOTA LINSEED OIL PAINT CO., Minneapolis, Minn.
Filed July 5, 1947, Serial No. 539,606. Published Nov. 16, 1948. Class 16.

506,970. CHEWING AND SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed Oct. 31, 1947, Serial No. 539,632. Published Oct. 26, 1948. Class 17.

506,971. CHEWING AND SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed Oct. 31, 1947, Serial No. 539,633. Published Oct. 26, 1948. Class 17.

506,972. CHEWING AND SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed Oct. 31, 1947, Serial No. 539,635. Published Oct. 26, 1948. Class 17.

506,973. CHEWING AND SMOKING TOBACCO. THE BLOCH BROTHERS TOBACCO CO., Wheeling, W. Va.
Filed Oct. 31, 1947, Serial No. 539,637. Published Nov. 16, 1948. Class 17.

506,974. WAXED WRAPPING PAPER. RAPINWAX PAPER COMPANY, Minneapolis, Minn.
Filed Nov. 1, 1947, Serial No. 539,902. Published Nov. 2, 1948. Class 37.

506,975. CRAYONS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed Nov. 3, 1947, Serial No. 539,944. Published Nov. 2, 1948. Class 37.

506,976. HIGHWAY ROAD GUARDS AND PARTS THEREOF. TRUSCON STEEL COMPANY, Youngstown, Ohio.
Filed Nov. 3, 1947, Serial No. 539,996. Published Oct. 19, 1948. Class 12.

506,977. SELF-FEEDING PENS AND REFILLS THEREFOR. FIELDSTON BALL PEN CO., INC., New York, N. Y.
Filed Nov. 4, 1947, Serial No. 540,063. Published Oct. 19, 1948. Class 37.

506,978. MONTHLY PUBLICATION. KING PUBLICATIONS, San Francisco, Calif.
Filed Nov. 4, 1947, Serial No. 540,077. Published Nov. 2, 1948. Class 38.

506,979. TEXTILE BED BLANKETS. NEW PROCESS COMPANY, Warren, Pa.
Filed Nov. 4, 1947, Serial No. 540,090. Published Oct. 26, 1948. Class 42.

506,980. TOILET TISSUE. STEVENS & THOMPSON PAPER COMPANY, Greenwich, N. Y.
Filed Nov. 4, 1947, Serial No. 540,120. Published Nov. 2, 1948. Class 37.

506,981. HEATING FURNACES AND STOVES, CONSOLE HEATERS, FIREPLACE HEATERS, UNIT HEATERS, ETC. RENNOR MANUFACTURING COMPANY, Mercer, Pa.
Filed Nov. 6, 1947, Serial No. 540,318. Published Oct. 19, 1948. Class 34.

506,982. FACIAL TISSUES. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Nov. 7, 1947, Serial No. 540,364. Published Oct. 19, 1948. Class 37.

506,983. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS FOR MAKING THE SAME. KLOSS SUPPLY CO., Allentown, Pa.
Filed Nov. 7, 1947, Serial No. 540,420. Published Nov. 9, 1948. Class 45.

506,984. PEN HOLDERS AND LETTER OPENERS. NORTHEASTERN PLASTICS, INC., Boston, Mass.
Filed Nov. 8, 1947, Serial No. 540,556. Published Oct. 26, 1948. Class 37.

506,985. PASTE PAINT. ARMSTRONG PAINT & VARNISH WORKS, Chicago, Ill.
Filed Nov. 10, 1947, Serial No. 540,624. Published Oct. 19, 1948. Class 16.

506,986. COMBINED TABLES AND CHAIRS FOR INFANTS AND JUVENILES. THE BABEE-TENDA CORPORATION, Metropolis, Ill., assignor, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill., a corporation of Delaware.
Filed Nov. 12, 1947. Serial No. 540,763. Published Nov. 16, 1948. Class 32.

506,987. PAPER TOWELS AND TISSUE PAPER FOR VARIOUS USES. MAINCO TRADING CO., Kennebunk, Maine.
Filed Nov. 12, 1947, Serial No. 540,840. Published Oct. 19, 1948. Class 37.

506,988. MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES. SIMMONS COMPANY, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,916. Published Nov. 9, 1948. Class 32.

506,989. MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES. SIMMONS COMPANY, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,919. Published Nov. 2, 1948. Class 32.

506,990. MATTRESSES, BOX SPRINGS, COIL SPRINGS, SOFA BEDS, STUDIO COUCHES, AND LOUNGES. SIMMONS COMPANY, New York, N. Y.
Filed Nov. 12, 1947, Serial No. 540,921. Published Nov. 2, 1948. Class 32.

506,991. COATED OR IMPREGNATED PIECE GOODS OF COTTON, WOOL, SILK AND SYNTHETIC FIBERS, ETC. COMPREHENSIVE FABRICS INC., New York, N. Y.
Filed Nov. 13, 1947, Serial No. 540,983. Published Oct. 19, 1948. Class 42.

506,992. COAL RANGES, COAL AND GAS COMBINATION RANGES, OIL AND GAS COMBINATION RANGES, AND COAL AND WOOD HEATING STOVES. EARLY FOUNDRY CO., Dickson City, Pa.
Filed Nov. 13, 1947, Serial No. 540,987. Published Nov. 9, 1948. Class 34.

506,993. BOX-LINER FOR PACKING GRAPES IN LUGS AND KEEPING THEM INTACT IN COLD STORAGE. NORRIS ANDREWS, Los Angeles, Calif.
Filed Nov. 14, 1947, Serial No. 541,067. Published Oct. 19, 1948. Class 37.

506,994. ETCHINGS, COLOR PRINTS OF PICTURES, OIL PAINTINGS AND WATER COLOR PAINTINGS. S. & G. GUMP COMPANY, San Francisco, Calif.
Filed Nov. 15, 1947, Serial No. 541,287. Published Oct. 26, 1948. Class 38.

506,995. MAGAZINE BOOKS, BOOKLETS, AND MEMBERSHIP BLANKS OF THE ASSOCIATION, ISSUED FROM TIME TO TIME. NATIONAL SHORTHAND REPORTERS ASSOCIATION, Chicago, Ill.
Filed Nov. 17, 1947, Serial No. 541,441. Published Nov. 2, 1948. Class 38.

506,996. ENAMELED BOOK PAPER. THE MARTIN CANTINE COMPANY, Saugerties, N. Y.
Filed Nov. 18, 1947, Serial No. 541,556. Published Oct. 26, 1948. Class 37.

506,997. BOOK PAPER INCLUDING CLAY COATED BOOK PAPER, AND PAPER FOR COMMERCIAL PRINTING GENERALLY. THE MARTIN CANTINE COMPANY, Saugerties, N. Y.
Filed Nov. 18, 1947, Serial No. 541,559. Published Nov. 2, 1948. Class 37.

506,998. LOUNGE CHAIRS. THE WOLWIN CHAIR COMPANY, Willoughby, Ohio.
Filed Nov. 19, 1947, Serial No. 541,722. Published Nov. 9, 1948. Class 32.

506,999. COTTON PIECE GOODS, SHEETS, PILLOW CASES, ETC. W. A. BALLINGER & Co., San Francisco, Calif.
Filed Nov. 20, 1947, Serial No. 541,800. Published Oct. 26, 1948. Class 42.

507,000. TOILET TISSUE. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,002. Published Nov. 2, 1948. Class 37.

507,001. PAPER TOWELS AND TOILET TISSUE. CROWN ZELLERBACH CORPORATION, also doing business as National Paper Products Co. and Nata Products Company, San Francisco, Calif.
Filed Nov. 22, 1947, Serial No. 542,013. Published Nov. 2, 1948. Class 37.

507,002. CHEMICAL PREPARATION IN POWDERED FORM, FOR BOTTLE WASHING AND FOOD MACHINERY CLEANING. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed Nov. 22, 1947, Serial No. 542,014. Published Oct. 26, 1948. Class 4.

507,003. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Nov. 22, 1947, Serial No. 542,035. Published Oct. 5, 1948. Class 12.

507,004. FACE CREAM, FACE LOTION, FACE POWDER, HAND LOTION, AND NECK LOTION. HARRIET HUBBARD AYER, INC., New York, N. Y.
Filed Nov. 25, 1947, Serial No. 542,268. Published Oct. 26, 1948. Class 6.

507,005. CIGARS. CONSOLIDATED CIGAR CORPORATION, New York, N. Y., assignor to G. H. P. Cigar Co., Inc., Philadelphia, Pa., a corporation of Maryland.
Filed Nov. 26, 1947, Serial No. 542,446. Published Nov. 9, 1948. Class 17.

507,006. OIL FILTERS FOR INTERNAL COMBUSTION ENGINES. PICK MANUFACTURING COMPANY, West Bend, Wis.
Filed Nov. 26, 1947, Serial No. 542,647. Published Oct. 26, 1948. Class 31.

507,007. CIGARETTE CASES. ILLINOIS WATCH CASE Co., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill.
Filed Nov. 29, 1947, Serial No. 542,765. Published Oct. 26, 1948. Class 8.

507,008. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 1, 1947, Serial No. 542,862. Published Nov. 9, 1948. Class 37.

507,009. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 1, 1947, Serial No. 542,865. Published Nov. 9, 1948. Class 37.

507,010. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 1, 1947, Serial No. 542,869. Published Nov. 2, 1948. Class 37.

507,011. BOND, LEDGER, WRITING, MAP, BOOK, INDEX, AND ONIONSKIN PAPER, BOXED STATIONERY, TABLETS, AND MANUSCRIPT COVER. NEENAH PAPER COMPANY, Neenah, Wis.
Filed Dec. 1, 1947, Serial No. 542,870. Published Nov. 2, 1948. Class 37.

507,012. MONTHLY PUBLICATION. UNITED ENGINEERING AND FOUNDRY COMPANY, Pittsburgh, Pa.
Filed Sept. 11, 1947, Serial No. 543,019. Published Oct. 26, 1948. Class 38.

507,013. WAXPAPER. THE COOK COFFEE COMPANY, Cleveland, Ohio.
Filed Dec. 3, 1947, Serial No. 543,097. Published Nov. 9, 1949. Class 37.

507,014. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,132. Published Oct. 26, 1948. Class 42.

507,015. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,137. Published Oct. 26, 1948. Class 42.

507,016. FABRICS IN THE PIECE COMPOSED OF COTTON, WOOL, SILK, AND SYNTHETIC FIBERS. CROMPTON COMPANY, Crompton, R. I.
Filed Dec. 3, 1947, Serial No. 543,139. Published Oct. 26, 1948. Class 42.

507,017. METALLIC GRATING AND OPEN FLOORING. BLAW-KNOX COMPANY, Pittsburgh, Pa.
Filed Oct. 24, 1947, Serial No. 543,372. Published Nov. 9, 1948. Class 12.

507,018. WATERPROOF WRAPPING AND LINING PAPER, USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS. NATIONAL WATERPROOFING COMPANY, Camden, N. J.
Filed Dec. 5, 1947, Serial No. 543,516. Published Nov. 9, 1948. Class 37.

507,019. WATERPROOF WRAPPING AND LINING PAPER, USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS. NATIONAL WATERPROOFING COMPANY, Camden, N. J.
Filed Dec. 5, 1947, Serial No. 543,517. Published Nov. 9, 1948. Class 37.

507,020. CREPED WATERPROOF WRAPPING AND LINING PAPER USED IN WRAPPING, PACKING, AND LINING INDUSTRIAL MATERIALS. NATIONAL WATERPROOFING COMPANY, Camden, N. J.
Filed Dec. 5, 1947, Serial No. 543,518. Published Nov. 9, 1948. Class 37.

507,021. POLYMERIZED VINYL ESTER OR ESTERS FOR GENERALIZED USE IN THE INDUSTRIAL ARTS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed Dec. 6, 1947, Serial No. 543,575. Published Oct. 26, 1948. Class 1.

507,022. CALCIUM PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,705. Published Nov. 9, 1948. Class 6.

507,023. IODINE PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,706. Published Nov. 9, 1948. Class 6.

507,024. LAXATIVES, RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,710. Published Nov. 9, 1948. Class 6.

507,025. VITAMIN B PREPARATION. RALPH I. GUY, doing business as The Rig Company, Glendale, Calif.
Filed Dec. 8, 1947, Serial No. 543,711. Published Nov. 9, 1948. Class 6.

507,026. CIGARETTES. THE CREAMETTE COMPANY, Minneapolis, Minn.
Filed Dec. 10, 1947, Serial No. 543,897. Published Oct. 26, 1948. Class 17.

507,027. FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. NATIONAL MALLINSON FABRICS

507,043. CRUCIBLES FOR INDUSTRIAL USES. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N.

507,058. LAXATIVE. THE HARROWER LABORATORY, INC., Glendale, Calif.

507,072. PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME. AMERICAN BITUMULS COMPANY, Wilmington, Del., and

507,027. FABRICS IN THE PIECE OF SILK AND SYNTHETIC FIBERS. NATIONAL MALLINSON FABRICS CORPORATION, New York, N. Y.
Filed Dec. 10, 1947, Serial No. 543,966. Published Oct. 26, 1948. Class 42.

507,028. ROSIN. NEWPORT INDUSTRIES, INC., Pensacola, Fla.
Filed Dec. 10, 1947, Serial No. 543,977. Published Oct. 26, 1948. Class 1.

507,029. TABLET USED IN THE TREATMENT OF PEPTIC ULCERS AND OTHER DISORDERS OF THE GASTRO-INTESTINAL TRACT. IRWIN, NEISLER & COMPANY, Decatur, Ill.
Filed Dec. 11, 1947, Serial No. 544,088. Published Oct. 26, 1948. Class 6.

507,030. GREETING CARDS. HARRISON-SIMPSON CO. INC., Boston, Mass.
Filed Dec. 12, 1947, Serial No. 544,166. Published Oct. 26, 1948. Class 38.

507,031. WOOLEN FABRICS AND FABRICS MADE OF MIXTURES OF WOOL, COTTON, AND RAYON. PATRICK-DULUTH CO., Duluth, Minn.
Filed Dec. 15, 1947, Serial No. 544,879. Published Oct. 26, 1948. Class 42.

507,032. CIGARS. WOLF BROTHERS & CO., Red Lion, Pa.
Filed Dec. 16, 1947, Serial No. 544,492. Published Nov. 16, 1948. Class 17.

507,033. FIREBRICK. MEXICO REFRACTORIES COMPANY, Mexico, Mo.
Filed Dec. 17, 1947, Serial No. 544,589. Published Sept. 28, 1948. Class 12.

507,034. DYED LINEN PIECE GOODS AND DYED UNION PIECE GOODS IN WHICH LINEN PREDOMINATES. YORK STREET FLAX SPINNING CO. LIMITED, Belfast, Ireland.
Filed Dec. 17, 1947, Serial No. 544,629. Published Oct. 26, 1948. Class 42.

507,035. SILICATE OF SODA EITHER ALONE OR IN ADMIXTURE WITH OTHER ALKALINE SALTS. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed Oct. 21, 1947, Serial No. 544,656. Published Nov. 9, 1948. Class 6.

507,036. CASTABLE REFRACTORY MATERIAL. PLIBRICO JOINTLESS FIREBRICK COMPANY, Chicago, Ill.
Filed Dec. 22, 1947, Serial No. 545,160. Published Sept. 28, 1948. Class 12.

507,037. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Dec. 23, 1947, Serial No. 545,294. Published Oct. 5, 1948. Class 6.

507,038. INSECTICIDES AND FUNGICIDES. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed Dec. 23, 1947, Serial No. 545,297. Published Oct. 5, 1948. Class 6.

507,039. WOVEN, KNITTED, AND NETTED TEXTILE PIECE GOODS MADE OF WOOL AND SILK COLLECTIVELY COMBINED, TEXTILE BLANKETS, ETC. WASHOUGAL WOOLEN MILLS, Washougal, Wash.
Filed Dec. 30, 1947, Serial No. 545,802. Published Oct. 26, 1948. Class 42.

507,040. SERIES OF CARTOONS AND COMIC STRIPS. THE LONE RANGER, INC., Detroit, Mich.
Filed Dec. 31, 1947, Serial No. 545,864. Published Oct. 26, 1948. Class 38.

507,041. LEATHER BELTING AND LEATHER PACKING. PAGE BELTING COMPANY, Concord, N. H.
Filed Jan. 6, 1948, Serial No. 546,323. Published Nov. 9, 1948. Class 35.

507,042. TWILL TROUSER FABRIC OF RAYON AND COTTON. BURLINGTON MILLS CORPORATION, Greensboro, N. C.
Filed Jan. 7, 1948, Serial No. 546,364. Published Oct. 26, 1948. Class 42.

507,043. CRUCIBLES FOR INDUSTRIAL USES. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed Jan. 10, 1948, Serial No. 546,682. Published Nov. 9, 1948. Class 24.

507,044. COLORS FOR MASONRY MATERIALS INCLUDING MORTAR, CEMENT, PLASTER, AND STUCCO. GEO. S. MEPHAM CORPORATION, East St. Louis, Ill., assignor to C. K. Williams & Co., East St. Louis, Ill., a corporation of Delaware.
Filed Jan. 10, 1948, Serial No. 546,717. Published Oct. 19, 1948. Class 12.

507,045. PERFUME, TOILET WATER, AND PERFUMED LIQUID BATH PREPARATION FOR SCENTING AND SOFTENING THE WATER. CARON CORPORATION, New York, N. Y.
Filed Jan. 17, 1948, Serial No. 547,320. Published Nov. 9, 1948. Class 6.

507,046. SOAP. CONTI PRODUCTS CORPORATION, Brooklyn, N. Y.
Filed Oct. 2, 1947, Serial No. 547,405. Published Oct. 26, 1948. Class 4.

507,047. CHEMOTHERAPEUTIC AGENT FOR USE IN THE TREATMENT OF MYCO-BACTERIAL DISEASES. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed Jan. 19, 1948, Serial No. 547,479. Published Oct. 19, 1948. Class 6.

507,048. ELECTRIC REFRIGERATORS FOR HOUSEHOLD USE AND HOME FREEZERS. THE ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed Jan. 20, 1948, Serial No. 547,504. Published Nov. 2, 1948. Class 31.

507,049. ANTISEPTIC CREAM OINTMENT FOR HEALING. R. J. MORAN CO., Boston, Mass.
Filed Jan. 21, 1948, Serial No. 547,647. Published Oct. 19, 1948. Class 6.

507,050. NEWSPAPER FEATURE. THE HEARST CORPORATION, New York, N. Y.
Filed Jan. 24, 1948, Serial No. 547,905. Published Oct. 26, 1948. Class 38.

507,051. ALL-ALUMINUM COMBINATION SCREEN AND WINDOW. AMERICAN MILLWORK COMPANY, New Hyde Park, Long Island, N. Y.
Filed Jan. 29, 1948, Serial No. 548,226. Published Nov. 2, 1948. Class 12.

507,052. CAKE MAKEUP. RICHARD HUDNUT, New York, N. Y.
Filed Feb. 5, 1948, Serial No. 548,818. Published Oct. 19, 1948. Class 6.

507,053. PLYWOOD. UNITED STATES PLYWOOD CORPORATION, New York, N. Y.
Filed Feb. 7, 1948, Serial No. 549,097. Published Nov. 2, 1948. Class 12.

507,054. CONCRETE BLOCKS AND CONCRETE CINDER BLOCKS. HENRY J. CONDO, Raritan, N. J.
Filed Feb. 9, 1948, Serial No. 549,122. Published Nov. 2, 1948. Class 12.

507,055. TOOTH POWDER AND A MOUTH LOTION FOR THE TREATMENT OF PYORRHEA, INFLAMED AND BLEEDING GUMS, TRENCH MOUTH, THE MOUTH LOTION BEING USED ALSO IN THE TREATMENT OF NASAL CATARRH, TONSILITIS, AND SORE THROAT. H. ROBERT BROWN, doing business as Dr. H. Robert Brown, Lewiston, Maine.

507,056. NEWS COLUMN IN NEWSPAPERS AND MAGAZINES. LOUIS B. ROSENBLATT, Brooklyn, N. Y.
Filed Feb. 14, 1948, Serial No. 549,755. Published Nov. 2, 1948. Class 38.

507,057. PRODUCT HAVING ANTIHISTAMINIC PROPERTIES FOR USE IN THE TREATMENT OF WOUNDS OF HUMAN BEINGS AND ANIMALS. SOCIETE DES USINES CHIMIQUES RHONE-POULENC, Paris, France.
Filed Feb. 28, 1948, Serial No. 550,837. Published Nov. 9, 1948. Class 6.

507,058. LAXATIVE. THE HARROWER LABORATORY, INC., Glendale, Calif.
Filed Mar. 3, 1948, Serial No. 551,101. Published Nov. 9, 1948. Class 6.

507,059. SULFONAMIDE PREPARATION. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed Mar. 5, 1948, Serial No. 551,329. Published Nov. 9, 1948. Class 6.

507,060. PERIODICAL PUBLICATION. ASSOCIATED SPRING CORPORATION, Bristol, Conn.
Filed Mar. 8, 1948, Serial No. 551,431. Published Nov. 2, 1948. Class 38.

507,061. THEATRICAL COLD CREAM. SANBORN HERMANOS, S. A., Mexico City, Mexico.
Filed Mar. 8, 1948, Serial No. 551,476. Published Oct. 26, 1948. Class 6.

507,062. MEDICINAL PREPARATIONS CONTAINING THEOPHYLLINE SODIUM GLYCINATE AND PHENOBARRITAL USEFUL IN THE TREATMENT OF CIRCULATORY DISEASES. THE B. L. PATCH COMPANY, Stoneham, Mass.
Filed Mar. 12, 1948, Serial No. 551,815. Published Nov. 9, 1948. Class 6.

507,063. CHEMOTHERAPEUTIC AGENT USED IN THE TREATMENT OF TUBERCULOSIS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed Mar. 15, 1948, Serial No. 552,000. Published Nov. 9, 1948. Class 6.

507,064. CAPSULES CONTAINING VITAMIN D, SODIUM SALICYLATE, AND ASCORBIC ACID FOR THERAPEUTIC USE. WALKER VITAMIN PRODUCTS, INC., Mount Vernon, N. Y.
Filed Mar. 15, 1948, Serial No. 552,023. Published Nov. 9, 1948. Class 6.

507,065. RUBBER TIRES FOR VEHICLES. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed Mar. 20, 1948, Serial No. 552,617. Published Nov. 9, 1948. Class 35.

507,066. NEWSPAPER SECTION, FEATURE, OR DEPARTMENT. THE HEARST CORPORATION, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,367. Published Oct. 26, 1948. Class 38.

507,067. FABRICS IN THE PIECE MADE OF RAYON, AND OF RAYON AND ACETATE. THE SCHWARZENBACH-HUBER COMPANY, New York, N. Y.
Filed Mar. 30, 1948, Serial No. 553,408. Published Oct. 26, 1948. Class 42.

507,068. SKIN OINTMENT. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif.
Filed Apr. 5, 1948, Serial No. 553,874. Published Nov. 9, 1948. Class 6.

507,069. OINTMENT USED FOR THE SYMPTOMATIC RELIEF OF NEURALGIA, SCIATICA, RHEUMATIC PAINS, LUMBAGO, MUSCULAR ACHES AND MINOR SPRAINS, AS WELL AS LOCAL CONGESTION, DUE TO BRONCHITIS AND COLDS. ROSEMARIE LEWIS, doing business as Vogarell Products Company, Los Angeles, Calif.
Filed Apr. 5, 1948, Serial No. 553,875. Published Nov. 9, 1948. Class 6.

507,070. WALL PAPER CLEANER, RUG SHAMPOO, DRY CLEANER, ETC. CLOVER FARM STORES CORPORATION, Cleveland, Ohio.
Filed Apr. 8, 1948, Serial No. 554,093. Published Nov. 2, 1948. Class 4.

507,071. SULPHUR. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed Apr. 12, 1948, Serial No. 554,436. Published Nov. 9, 1948. Class 6.

507,072. PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME. AMERICAN BITUMULS COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed Apr. 13, 1948, Serial No. 554,461. Published Nov. 2, 1948. Class 38.

507,073. GABARDINE PIECE GOODS. BERNHARD ALTMANN, New York, N. Y.
Filed Apr. 14, 1948, Serial No. 554,544. Published Oct. 19, 1948. Class 42.

507,074. WOOLEN PIECE GOODS. FOLKARD & LAWRENCE, INC., New York, N. Y.
Filed Apr. 14, 1948, Serial No. 554,558. Published Oct. 19, 1948. Class 42.

507,075. BED SHEETS, SHEETINGS, AND PILLOW CASES. ALEXANDER MANUFACTURING COMPANY, Forest City, N. C.
Filed Apr. 15, 1948, Serial No. 554,642. Published Oct. 26, 1948. Class 42.

507,076. CLEANSER FOR REMOVING GUM, CARBON, AND GREASE FROM ANY TYPE METAL AND PARTICULARLY CARBURETORS, FUEL PUMPS, AND MOTOR BLOCKS. HOBB-SWETNAM COMPANY, INC., Wichita Falls, Tex.
Filed June 26, 1948, Serial No. 560,267. Published Oct. 12, 1948. Class 4.

507,077. MALTLESS SOFT DRINKS AND SYRUPS THEREFOR. JOHN E. FOWLER, Roselyn, Va.
Filed July 7, 1948, Serial No. 560,801. Published Nov. 16, 1948. Class 45.

507,078. INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES FOR GENERAL WASHING PURPOSES. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,891. Published Nov. 2, 1948. Class 4.

507,079. INORGANIC DETERGENT HAVING WATER SOFTENING PROPERTIES ESPECIALLY FOR CLEANING DAIRY CANS. DIAMOND ALKALI COMPANY, Cleveland, Ohio.
Filed July 22, 1948, Serial No. 561,902. Published Nov. 2, 1948. Class 4.

507,080. CHAMBERED FLOATS FOR USE WITH FLOAT VALVES. THE AYLING & REICHERT CO., Toledo, Ohio.
Filed Mar. 2, 1948, Serial No. 564,497. Published Oct. 26, 1948. Class 13.

507,081. MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME. JOHN E. FOWLER, Roselyn, Va.
Filed July 7, 1948, Serial No. 565,513. Published Nov. 16, 1948. Class 45.

507,082. MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME. JOHN E. FOWLER, Roselyn, Va.
Filed July 7, 1948, Serial No. 565,514. Published Nov. 16, 1948. Class 45.

507,083. MALTLESS SOFT DRINKS AND SYRUPS USED IN MAKING THE SAME. JOHN E. FOWLER, Roselyn, Va.
Filed July 7, 1948, Serial No. 565,515. Published Nov. 16, 1948. Class 45.

Service Marks

507,084. BROADCASTING FACSIMILE EDITIONS OF A NEWSPAPER. TRIANGLE PUBLICATIONS, INC., Philadelphia, Pa.
Filed July 17, 1947, Serial No. 528,830. Published Nov. 9, 1948. Class 55.

507,085. SERVICES IN CONNECTION WITH ITS CONTRACT PAINTING WHICH IS INDUSTRIAL, RESIDENTIAL, AND INSTITUTIONAL. KUEHNLE-WILSON INC., Philadelphia, Pa.
Filed Aug. 28, 1947, Serial No. 532,708. Published Nov. 9, 1948. Class 55.

507,086. GROUP FORM OF ADVERTISING SERVICE RENDERED TO ADVERTISERS WHEREIN TWO OR MORE ADVERTISERS SHARE ADVERTISING

507,089. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, ETC. INTER-

507,086. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES HOWARD HEAL, doing business as Treatment Service and

507,099. (CLASS 39. CLOTHING.) MANN OVERALL COMPANY, INC., El Paso, Tex. Filed Apr. 15, 1948; originally filed, act of 1905, Jan. 10, 1947. Serial No. 515,576.

507,086. GROUP FORM OF ADVERTISING SERVICE RENDERED TO ADVERTISERS WHEREIN TWO OR MORE ADVERTISERS SHARE ADVERTISING COSTS. JOHN M. HAGGARD, Chicago, Ill.
Filed Oct. 11, 1947, Serial No. 537,581. Published Nov. 9, 1948. Class 55.

507,087. AIR TRANSPORTATION OF PASSENGERS, FREIGHT, EXPRESS, AND MAIL. NATIONAL AIRLINES, INC., Miami, Fla.
Filed Oct. 16, 1947, Serial No. 538,031. Published Nov. 9, 1948. Class 55.

Certification Marks

507,088. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, ETC. INTERNATIONAL ALLIED PRINTING TRADES ASSOCIATION, Indianapolis, Ind.
Filed July 14, 1947, Serial No. 528,571. Published Nov. 2, 1948. Class 38.

507,089. ALMANACS, ANNUAL PUBLICATIONS, BOOK SERIES, CALENDARS, CARTOONS, ETC. INTERNATIONAL TYPOGRAPHICAL UNION, Indianapolis, Ind.
Filed July 14, 1947, Serial No. 528,572. Published Nov. 9, 1948. Class 38.

507,090. SEMI-GREASEPROOF GLASSINE PAPER OF MEDIUM TRANSPARENCY. THE GLASSINE & GREASEPROOF MANUFACTURERS ASSOCIATION, New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,174. Published Oct. 19, 1948. Class 37.

507,091. NON-GREASEPROOF GLASSINE PAPER OF LOW TRANSPARENCY. THE GLASSINE & GREASEPROOF MANUFACTURERS ASSOCIATION, New York, N. Y.
Filed Oct. 8, 1947, Serial No. 537,175. Published Oct. 19, 1948. Class 37.

ACT OF 1946, SUPPLEMENTAL REGISTER

These registrations are not subject to opposition.

507,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RECIPE FOODS, INC., Baltimore, Md., assignee of Marks' Prize Recipe Foods. Filed Oct. 22, 1947; originally filed, act of 1905, Sept. 28, 1945, Serial No. 489,132.

The drawing is ruled to indicate the colors red, blue, and green. Applicant claims ownership of registration No. 354,103.
FOR SALAD DRESSING.
Claims use since July 1945.

507,093. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AIRCRAFT SPECIALTIES COMPANY, Lindenhurst, N. Y. Filed Mar. 12, 1948; originally filed, act of 1905, Mar. 20, 1946, Serial No. 498,572.

FOR FISHING REELS.
Claims use since Feb. 12, 1946.

507,094. (CLASS 39. CLOTHING.) OLIAN BROTHERS COMPANY, Dallas, Tex. Filed Apr. 26, 1948; originally filed, act of 1905, Apr. 9, 1946, Serial No. 499,911.

RUFF-TUFF

FOR MEN'S, BOYS', AND YOUTHS' PANTS, SHIRTS, OUTING SHIRTS, ONE-PIECE OVERALL SUITS, OVERALLS, DUNGAREES, JACKETS, SHORTS; ALSO CHILDREN'S PLAYSUITS, SLIP-ON OVERALLS, ROMPERS, AND SUN SUITS.
Claims use since Oct. 15, 1943.

507,095. (CLASS 38. PRINTS AND PUBLICATIONS.) MIKE CHRISTOPHER, doing business as Review Publishing Company, Jackson, Miss. Filed July 9, 1948; originally filed, act of 1905, July 17, 1946, Serial No. 505,733.

FOR MONTHLY MAGAZINE.
Claims use since July 1931.

507,096. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES HOWARD HEAL, doing business as Treatment Service and Engineering Company, San Francisco, Calif. Filed Jan. 23, 1948; originally filed, act of 1905, Sept. 18, 1946, Serial No. 509,281.

FOR WATER TREATMENT CHEMICALS USED IN EVAPORATORS TO MAKE FRESH WATER FROM SEA WATER.
Claims use since Aug. 5, 1946.

507,097. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) OPOTOW DENTAL MFG. CORP., New York and Brooklyn, N. Y. Filed Feb. 4, 1948; originally filed, act of 1905, Nov. 13, 1946, Serial No. 512,530.

TRU-FILM

FOR LIQUID PREPARATION USED TO PAINT DENTAL CASTS TO FACILITATE SEPARATION OF A PLASTER MASS SUBSEQUENTLY MOLDED THEREON.
Claims use since August 1946.

507,098. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MARIE LOOS, Fort Wayne, Ind. Filed May 18, 1948; originally filed, act of 1905, Nov. 19, 1946, Serial No. 512,845.

Sunout

FOR AN EYE PAD FOR APPLICATION TO THE UPPER LID OF A CLOSED HUMAN EYE FOR PROTECTING THE EYE AGAINST SUN GLARE WHEN TAKING A SUN BATH; AND ALSO FOR APPLYING A COOLING MEDICATION OR THE LIKE TO THE UPPER LID OF THE CLOSED HUMAN EYE.
Claims use since Sept. 4, 1946.

507,099. (CLASS 39. CLOTHING.) MANN OVERALL COMPANY, INC., El Paso, Tex. Filed Apr. 15, 1948; originally filed, act of 1905, Jan. 10, 1947. Serial No. 515,576.

MANN RANCH JEANIES

FOR OVERALLS AND WESTERN STYLE PANTS FOR BOYS AND GIRLS.
Claims use since Oct. 16, 1946.

507,100. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) VICTOR BALATA & TEXTILE BELTING CO., New York, N. Y. Filed Sept. 9, 1948; originally filed, act of 1905, Jan. 18, 1947, Serial No. 515,970.

GRIP-SHUR

FOR LIQUID BELT DRESSING.
Claims use since Dec. 24, 1946.

507,101. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ROBBINS TIRE & RUBBER COMPANY, INC., Tuscumbia, Ala. Filed Nov. 29, 1948; originally filed, act of 1905, Feb. 4, 1947, Serial No. 516,919.

SHUR-SAFE

FOR INNER TUBES FOR PNEUMATIC TIRES.
Claims use since Jan. 21, 1947.

507,102. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TOY FOUNDERS INCORPORATED, Detroit, Mich. Filed Nov. 15, 1948; originally filed, act of 1905, Mar. 4, 1947, Serial No. 518,492.

The drawing is lined to represent the colors black, gray, and red, but the mark is not limited to said colors.
FOR MECHANICAL FISH TOY.
Claims use since Mar. 1, 1947.

507,103. (CLASS 38. PRINTS AND PUBLICATIONS.) DOANE AGRICULTURAL SERVICE, INC., St. Louis, Mo.

507,106. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BAT-O-NET COMPANY, Memphis, Tenn.

507,110. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SWANK, INC., Attleboro, Mass. Filed May 18, 1948, Serial No. 535,763.

507,114. (CLASS 39. CLOTHING.) BONSETTE FOUNDATIONS INC., New York, N. Y. Filed Nov. 2, 1948, Serial No. 542,073.

507,103. (CLASS 38. PRINTS AND PUBLICATIONS.) DOANE AGRICULTURAL SERVICE, INC., St. Louis, Mo. Filed June 10, 1948; originally filed, act of 1905, Apr. 8, 1947, Serial No. 520,328.

DOANE AGRICULTURAL DIGEST

Applicant claims ownership of registration No. 398,591.
FOR A PUBLICATION OF CURRENT ANALYSIS AND PERMANENT REFERENCE DATA THAT TREATS ALL ASPECTS OF AGRICULTURE AND ITS EFFECT ON BUSINESS AND INVESTMENTS, PUBLISHED FROM TIME TO TIME.
Claims use since September 1946.

507,104. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) REID CLARK MANUFACTURING CO., INC., also doing business as Reid Clark Manufacturing Co., Montgomery, Ala. Filed Mar. 25, 1948; originally filed, act of 1905, Apr. 22, 1947, Serial No. 521,148.

Sifon-Aire

FOR AERATED MINNOW BUCKETS OR TANKS.
Claims use since Mar. 7, 1947.

507,105. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ARTHUR A. BAIR, Marinette, Wis. Filed May 12, 1948; originally filed, act of 1905, May 19, 1947, Serial No. 522,653.

FOR ARTIFICIAL BAIT.
Claims use since May 2, 1947.

507,106. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BAT-O-NET COMPANY, Memphis, Tenn. Filed May 27, 1948; originally filed, act of 1905, May 28, 1947, Serial No. 523,172.

FOR BAT HAVING A HOLE IN ITS CENTER FITTED WITH A NET FOR USE IN PLAYING A GAME IN THE NATURE OF TENNIS.
Claims use since Apr. 10, 1947.

507,107. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL BLOW PIPE & MFG. CO. LTD., doing business as National Awning Company, New Orleans, La. Filed Sept. 17, 1948, Serial No. 530,421.

met-L-vent

FOR VENTILATED METAL AWNINGS.
Claims use since June 20, 1947.

507,108. (CLASS 19. VEHICLES.) JAY R. SHERSLEY, doing business as Keystone Railway Equipment Company, Chicago, Ill. Filed Nov. 23, 1948, Serial No. 532,648.

MONOLOC

FOR DUMP CAR DOOR LOCKS—NAMELY, MANUALLY OPERATED LOCKING MECHANISM FOR THE DOWNWARDLY SWINGING DOORS OF RAILROAD DUMP CARS AND ASSOCIATED WITH THE SWINGING DOORS AND THE SLOPE SHEETS WHEREBY THE FREE ENDS OF THE DOORS ARE HELD IN CLOSED POSITION AGAINST THE BOTTOM EDGES OF THE HOPPER SLOPE SHEETS.
Claims use since May 24, 1946.

507,109. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITEMAN FOOD PRODUCTS COMPANY, Philadelphia, Pa. Filed Nov. 23, 1948, Serial No. 534,494.

WHITEMAN'S

Tastee Whip

FOR SALAD DRESSING.
Claims use since Apr. 26, 1945.

507,110. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) SWANK, INC., Attleboro, Mass. Filed May 18, 1948, Serial No. 525,763.

Pin Klip

FOR JEWELRY FOR PERSONAL WEAR—NAMELY, NECKTIE HOLDERS.
Claims use since May 1, 1947.

507,111. (CLASS 2. RECEPTACLES.) E. W. TWITCHELL INCORPORATED, Philadelphia, Pa. Filed July 12, 1948, Serial No. 538,470.

Beauty-Pak

FOR CELLOPHANE ENVELOPES, USED FOR TEXTILE PACKAGINGS IN THE HOSIERY AND TEXTILE INDUSTRIES.
Claims use since October 1945.

507,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. LAWRENCE SLOAN, New York, N. Y. Filed Nov. 24, 1948, Serial No. 541,890.

Discs

FOR PERSONAL DEODORANT.
Claims use since September 1947.

507,113. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES A. ORRELL, doing business as Orrell's Food Products, Oakland, Calif. Filed Nov. 12, 1948, Serial No. 542,049.

Maple Treat

FOR TABLE SYRUP IN GLASS.
Claims use since Oct. 9, 1947.

507,114. (CLASS 39. CLOTHING.) BONSETTE FOUNDATIONS INC., New York, N. Y. Filed Nov. 2, 1948, Serial No. 542,073.

Adorable
PIK-UP Bra

Applicant claims ownership of registration Nos. 392,871 and 402,225.
FOR BRASSIÈRES.
Claims use since Sept. 15, 1947.

507,115. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE WILBUR & WILLIAMS PAINT CORPORATION, Boston, Mass. Filed Nov. 26, 1947, Serial No. 542,495.

RUBBER GARD

FOR RUBBER BASE PAINTS.
Claims use since December 1945.

507,116. (CLASS 37. PAPER AND STATIONERY.) S. D. WARREN COMPANY, Boston, Mass. Filed Oct. 20, 1948, Serial No. 542,735.

OLDE STYLE

Applicant claims ownership of registration No. 166,732.
FOR PRINTING PAPER.
Claims use since July 1, 1912.

507,117. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWBRO MANUFACTURING COMPANY, Atlanta, Ga. Filed Nov. 24, 1948, Serial No. 542,871.

Medic-Aid

FOR PETROLEUM JELLY.
Claims use since Nov. 13, 1945.

507,118. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) THE BEST FOODS, INC., New York, N. Y. Filed Sept. 10, 1948, Serial No.

507,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BACON PRODUCTS COMPANY, Chattanooga, Tenn. Filed Nov.

245,409. BORATOL. Registered Aug. 14, 1928. Rougier Freres Incorporated, Montreal, Quebec, Canada, a corporation of the Province of Quebec, Dominion of Can-

250,743. M AND T. Registered Dec. 18, 1928. Metal & Thermit Corporation, Carteret, N. J. Renewed Dec. 18, 1948, to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey. SODIUM ANTI-

507,118. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) THE BEST FOODS, INC., New York, N. Y. Filed Sept. 10, 1948, Serial No. 546,349.

YOUR SHOES ARE SHOWING!

FOR SHOE POLISH.
Claims use since Dec. 15, 1944.

507,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BACON PRODUCTS COMPANY, Chattanooga, Tenn. Filed Nov. 18, 1948, Serial No. 548,906.

NOKOF

FOR COUGH SYRUP.
Claims use since Oct. 22, 1947.

TRADE-MARK REGISTRATIONS RENEWED

30,942. ODOL. Registered Dec. 7, 1897. Dresdener Chemisches Laboratorium Lingner, Dresden, Germany. Re-renewed Dec. 7, 1947, to Lingner Corporation, Chicago, Ill., a corporation of Delaware, assignor, by mesne assignments, to Odol Chemical Corporation, a corporation of Illinois. POWDERS, WASHES, SOAPS, SALVES, OILS, AND LOTIONS FOR THE TEETH, HAIR, AND SKIN. Class 6.

60,406. THE BLUE RIBBON. Registered Feb. 5, 1907. Buegeleisen & Jacobson. Re-renewed Feb. 5, 1947, to Buegeleisen & Jacobson, Inc., New York, N. Y., a corporation of New York. STRINGS FOR VIOLINS. Class 36.

68,886. DUJA. Registered May 5, 1908. Suchard Société Anonyme. Re-renewed May 5, 1948, to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland, a corporation organized under the laws of Switzerland. CHOCOLATE. Class 46.

70,693. REPRESENTATION OF CROSS COLORED GREEN. Registered Sept. 22, 1908. Lister Surgical Company. Re-renewed Sept. 22, 1948, to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey. ABSORBENT COTTON, PLAIN AND MEDICATED GAUZE, GAUZE, PLAIN AND MEDICATED, ETC. Class 44.

71,285. "EL ENSUENO" ETC. AND DESIGN. Registered Nov. 17, 1908. Compañia General de Tabacos de Filipinas, Barcelona, Spain, a Spanish corporation. Renewed Nov. 17, 1948. CIGARS. Class 17.

71,286. "TUXEDO" AND REPRESENTATION OF SHIELD. Registered Nov. 17, 1908. Corby Commission Company, New York, N. Y. Re-renewed Nov. 17, 1948, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon. CANNED SALMON. Class 46.

71,536. MISSION DESIGN. Registered Dec. 1, 1908. Royal Packing Co., Los Angeles, Calif., a corporation of California. Re-renewed Dec. 1, 1948. PEELED GREEN CHILLI AND VEGETABLE SAUCES FOR MEATS AND STEWS. Class 46.

71,806. MONOGRAM "E & J B" AND REPRESENTATION OF CAT. Registered Dec. 15, 1908. Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Re-renewed Dec. 15, 1948, to Edward & John Burke, Limited, Long Island City, N. Y., a corporation of New York. STOUT AND ALE. Class 48.

72,080. MONOGRAM "E & J B" AND REPRESENTATION OF CAT. Registered Dec. 29, 1908. Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Re-renewed Dec. 29, 1948, to Edward & John Burke, Limited, Long Island City, N. Y., a corporation of New York. BLENDED IRISH WHISKY, TOM GIN, DRY GIN AND COGNAC. Class 49.

72,128. BURKE. Registered Jan. 5, 1909. Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Re-renewed Jan. 5, 1949, to Edward & John Burke, Limited, Long Island City, N. Y., a corporation of New York. STOUT AND ALE. Class 48.

72,150. BURKE. Registered Jan. 5, 1909. Edward & John Burke, Limited, Dublin, Ireland, and New York, N. Y. Re-renewed Jan. 5, 1949, to Edward & John Burke, Limited, Long Island City, New York, a corporation of New York. BLENDED IRISH WHISKIES, DRY GIN AND JAMAICA RUM. Class 49.

72,285. IDEAL. Registered Jan. 12, 1909. L. E. Waterman Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 12, 1949. WRITING INK. Class 11.

72,286. WATERMAN'S. Registered Jan. 12, 1909. L. E. Waterman Company, New York, N. Y., a corporation of New York. Re-renewed Jan. 12, 1949. WRITING INK. Class 11.

73,131. ADLAKE. Registered Mar. 16, 1909. The Adams & Westlake Company, Chicago, Ill., a corporation of Illinois. Re-renewed Mar. 16, 1949. ACETYLENE LIGHTING APPARATUS AND RAILWAY SIGNAL LAMPS AND LANTERNS. Class 34.

236,793. LUCY LINCOLN TALKS. Registered Dec. 20, 1927. Buffalo Evening News. Renewed Dec. 20, 1947, to Edward H. Butler, doing business as Buffalo Evening News, Buffalo, N. Y. NEWSPAPER COLUMN PUBLISHED DAILY. Class 38.

243,573. "BLUE STAR" AND DESIGN LINED FOR BLUE. Registered June 26, 1928. West Virginia Southern Coal Company, Huntington, W. Va. Renewed June 26, 1948, to Truax-Traer Coal Company, Chicago, Ill., a corporation of Delaware. COAL. Class 1.

243,821. "LYONS" AND DESIGN. Registered July 3, 1928. Jay F. Lyons. Renewed July 3, 1948, to Lyons Desert Products Company, Los Angeles, Calif., a firm. ICE CREAM POWDER. Class 46.

245,409. BORATOL. Registered Aug. 14, 1928. Rougier Freres Incorporated, Montreal, Quebec, Canada, a corporation of the Province of Quebec, Dominion of Canada. Renewed Aug. 14, 1948. THROAT PASTILLES. Class 6.

246,170. STYLEBILT. Registered Sept. 4, 1928. The Hilton Company, Inc., Newark, N. J. Renewed Sept. 4, 1948, to The Hilton Company, Inc., New York, N. Y., a corporation of New York. MEN'S AND BOYS' CLOTHING AND HABERDASHERY—NAMELY, MEN'S AND BOYS' SUITS AND OVERCOATS, ETC. Class 39.

246,171. "STYLEBILT H" AND DESIGN. Registered Sept. 4, 1928. The Hilton Company, Inc., Newark, N. J. Renewed Sept. 4, 1948, to The Hilton Company, Inc., New York, N. Y., a corporation of New York. MEN'S AND BOYS' CLOTHING AND HABERDASHERY—NAMELY, MEN'S AND BOYS' SUITS AND OVERCOATS, ETC. Class 39.

246,186. TODDLEKINS. Registered Sept. 4, 1928. Royal Manufacturing Company. Renewed Sept. 4, 1948, to Royal Manufacturing Company, Inc., Allentown, Pa., a corporation of Delaware. CHILDREN'S TEXTILE UNDERWEAR CONSISTING OF COMBINATION PANTIES AND UNDERSHIRTS. Class 39.

247,281. SUNRAYS. Registered Sept. 25, 1928. Union City Milling Co. Renewed Sept. 25, 1948, to R. A. Randall, Jr., doing business as Union City Milling Co., Union City, Mich. WHEAT FLOUR AND SELF RISING FLOUR. Class 46.

248,908. GOLDEN SUN. Registered Nov. 6, 1928. Tip Top Creamery Co., Vincennes, Ind., a corporation of Indiana. Renewed Nov. 6, 1948. BUTTER. Class 46.

249,320. PACO. Registered Nov. 13, 1928. Publicker, Inc. Renewed Nov. 13, 1948, to Publicker Industries Inc., Philadelphia, Pa., a corporation of Pennsylvania. ETHYL ACETATE, BUTYL ACETATE, AMYL ACETATE, NITROCELLULOSE SOLUTIONS, AND METHANOL. Class 6.

249,339. "TITMAN'S" ETC. AND DESIGN OF LETTER T. Registered Nov. 13, 1928. Titman Egg Corporation. Renewed Nov. 13, 1948, to Titman Egg Company, New York, N. Y., a firm. FROZEN EGGS. Class 46.

249,727. DAISY BELL. Registered Nov. 20, 1928. Robinson & Golluber. Renewed Nov. 20, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. COTTON PIECE GOODS. Class 42.

249,796. SPORTSHEEN. Registered Nov. 20, 1928. Robinson & Golluber. Renewed Nov. 20, 1948, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. PIECE GOODS OF RAYON, SILK, AND SATIN LINGERIE AND SLIP MATERIAL. Class 42.

250,040. "SAVARIN" AND DESIGN. Registered Nov. 27, 1928. The Savarins, Inc., New York, N. Y. Renewed Nov. 27, 1948, to The Savarins, Inc., Long Island City, N. Y., a corporation of New York. FRUIT PRESERVES IN CANS AND JARS, PIES, COFFEE CAKE, ETC. Class 46.

250,048. "S" AND REPRESENTATION OF LEAF. Registered Nov. 27, 1928. Sylvania Products Company, Emporium, Pa. Renewed Nov. 27, 1948, to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts. RADIO ELECTRON TUBES AND ELECTRIC LAMPS. Class 21.

250,280. PRESERVAR. Registered Dec. 4, 1928. Martin Varnish Company, Chicago, Ill., a corporation of Illinois. Renewed Dec. 4, 1948. VARNISHES. Class 16.

250,447. "EKA SALT" ON OBLONG BACKGROUND. Registered Dec. 11, 1928. Sharp & Dohme, Incorporated, Baltimore, Md. Renewed Dec. 11, 1948, to Sharp & Dohme, Incorporated, Philadelphia, Pa., a corporation of Maryland. SALT USED AS DIETARY SUBSTITUTE FOR TABLE SALT. Class 6.

250,743. M AND T. Registered Dec. 18, 1928. Metal & Thermit Corporation, Carteret, N. J. Renewed Dec. 18, 1948, to Metal & Thermit Corporation, New York, N. Y., a corporation of New Jersey. SODIUM ANTIMONATE, THERMALIN, AND TIN OXIDE. Class 6.

250,838. "FLASHLIKE" AND DESIGN. Registered Dec. 18, 1928. Humble Oil & Refining Company, Houston, Tex., a corporation of Texas. Renewed Dec. 18, 1948. GASOLINE AND MOTOR-FUEL OILS. Class 15.

251,327. "WHITE MULE" ETC. AND REPRESENTATION OF MULE'S HEAD. Registered Jan. 1, 1929. Wells-Lamont Manufacturing Co., Minneapolis, Minn. Renewed Jan. 1, 1949, to Wells Lamont Corporation, Chicago, Ill., a corporation of Minnesota. WORKING-MEN'S GLOVES OF LEATHER-FACED COTTON. Class 39.

251,731. BELLA AURORA. Registered Jan. 15, 1929. J. H. Bereman, doing business as Stillman Freckle Cream Co. Renewed Jan. 15, 1949, to The Stillman Company, Aurora, Ill., a firm. TOILET PREPARATIONS—NAMELY, FACE POWDER AND FACE CREAMS. Class 6.

251,793. "SHERWOOD" ETC. AND REPRESENTATION OF BARREL. Registered Jan. 15, 1929. The Sherwood Distilling and Distributing Company, Baltimore, Md. Renewed Jan. 15, 1949, to The Sherwood Distilling Company, Westminster, Md., a corporation of Maryland. WHISKY. Class 49.

251,800. "JOCUR" AND DESIGN. Registered Jan. 15, 1929. Curran Laboratories, Inc. Renewed Jan. 15, 1949, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Illinois. COSMETICS—NAMELY, NAIL POLISH, CUTICLE REMOVER, NAIL-POLISH REMOVER. Class 6.

252,247. "POMPEIAN" ETC. AND DESIGN LINED FOR BLUE, RED, YELLOW AND GREEN COLOR. Registered Jan. 29, 1929. The Pompeian Corporation. Renewed Jan. 29, 1949, to The Pompeian Olive Oil Corporation, Baltimore, Md., a corporation of Maryland. OLIVE OIL. Class 46.

252,646. "CROLITE" ENCLOSED BY DIAMOND DESIGN. Registered Feb. 12, 1929. Henry L. Crowley & Company, Inc., East Orange, N. J. Renewed Feb. 12, 1949, to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey. CERAMIC ELECTRIC INSULATING COMPOUND. Class 21.

252,693. "JACK-RABBIT" AND REPRESENTATION OF RABBIT AND CIRCULAR DESIGN. Registered Feb. 12, 1929. The Denver Alfalfa Milling & Products Co. Renewed Feb. 12, 1949, to National Alfalfa Dehydrating and Milling Company, Lamar, Colo., a corporation of Delaware. ALFALFA MEAL. Class 46.

253,419. BYNOTONE. Registered Feb. 26, 1929. Allen & Hanburys, Limited, London, England, a company organized under the laws of the United Kingdom of Great Britain and Northern Ireland. Renewed Feb. 26, 1949. MEDICINAL FOOD FOR USE IN MALNUTRITION OF INFANTS, ADOLESCENTS, AND ADULTS AND AS A SAFEGUARD AGAINST DEFICIENCY DISEASES. Class 6.

253,748. FLUSHOLEUM. Registered Mar. 5, 1929. The Midland Chemical Laboratories, Inc. Renewed Mar. 5, 1949, to Midland Laboratories, Dubuque, Iowa, a corporation of Iowa. PREPARATION OF ACIDS AND OTHER INGREDIENTS FOR THE REMOVAL OF RUST AND STAINS, ETC. Class 4.

253,868. CAPITOL SHADING. Registered Mar. 5, 1929. Albert D. Smith & Co. Renewed Mar. 5, 1949, to Smith Textile Corporation, New York, N. Y., a corporation of New York. SHADE CLOTH. Class 42.

254,324. RONORO. Registered Mar. 19, 1929. Sapolin Co. Inc. Renewed Mar. 19, 1949, to Sapolin Paints Inc., New York, N. Y., a corporation of New York. METAL POLISH. Class 4.

254,353. VELOURFOLD. Registered Mar. 19, 1929. Chope-Stevens Paper Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 19, 1949. PRINTING PAPER. Class 37.

255,803. REDDY. Registered Apr. 30, 1929. Richardson Corporation, Rochester, N. Y., a corporation of New York. Renewed Apr. 30, 1949. COCOA SYRUP USED IN MAKING SOFT DRINKS, ETC. Classes 45 and 46.

340,889. GENUINE LORRAINE TRULI KOOL. Registered Nov. 24, 1936. Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. MEN'S AND BOYS' SUITS, COATS, TROUSERS, ETC. Class 39.

418,461. HERIBEX. Registered Dec. 25, 1945. Herbert J. Heribert, New York, N. Y. ADHESIVE CEMENT FOR BONDING CORK, LEATHER, ETC. Class 5. Canceled Jan. 7, 1949.

254,353. VELOURFOLD. Registered Mar. 19, 1929. Chope-Stevens Paper Company, Detroit, Mich., a corporation of Michigan. Renewed Mar. 19, 1949. PRINTING PAPER. Class 37.

254,416. "THE WHETTER" AND REPRESENTATION OF MALE FIGURE. Registered Mar. 26, 1929. Rolls Razor (1927) Limited, London, England. Renewed Mar. 26, 1949, to Rolls Razor, Inc., New York, N. Y., a corporation of New York. HONES AND RAZOR STROPS. Class 4.

254,455. MONOGRAM "HMC" AND REPRESENTATION OF SCREEN. Registered Mar. 26, 1929. Hendrick Manufacturing Company, Carbondale, Pa., a corporation of Pennsylvania. Renewed Mar. 26, 1949. PERFORATED METAL SCREENS FOR SCREENING COAL, ORES, STONE, AND OTHER MATERIALS. Class 23.

255,051. YORK HOUSE. Registered Apr. 9, 1929. R. H. Macy & Co., Inc., New York, N. Y., a corporation of New York. Renewed Apr. 9, 1949. MIXED PICKLES, PLUM PUDDING, CHOW-CHOW, PICCALILLI, PICKLED CAULIFLOWER, GHERKINS, SMALL PICKLED ONIONS, AND PICKLED WALNUTS. Class 46.

255,062. NITE-EASE. Registered Apr. 9, 1929. M. C. Schrank Company, Bridgeton, N. J., a corporation of New Jersey. Renewed Apr. 9, 1949. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS AND NIGHTGOWNS. Class 39.

255,448. "ROB ROY" ETC. AND GREEN BACKGROUND DESIGN. Registered Apr. 23, 1929. Rob Roy Ice Cream Co., Inc., Utica, N. Y. Renewed Apr. 23, 1949, to The Borden Company, New York, N. Y., a corporation of New Jersey. ICE CREAM. Class 46.

255,548. "DANDUX" AND DESIGN OF REPRESENTATION OF DUCK. Registered Apr. 23, 1929. C. R. Daniels, Inc., New York, N. Y. Renewed Apr. 23, 1949, to C. R. Daniels, Inc., Daniels, Md., a corporation of New York. WATERPROOF CANVAS TARPAULINS USED BY BUILDERS AND CONTRACTORS, MOTOR-TRUCK OWNERS, ETC. Classes 12, 42, and 50.

255,661. "AYER'S PECTORAL" AND DESIGN. Registered Apr. 30, 1929. The Ayer Company, Lowell, Mass. Renewed Apr. 30, 1949, to Sterling Drug Inc., New York, N. Y., a corporation of Delaware. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF COUGHS DUE TO COLDS. Class 6.

255,803. REDDY. Registered Apr. 30, 1929. Richardson Corporation, Rochester, N. Y., a corporation of New York. Renewed Apr. 30, 1949. COCOA SYRUP USED IN MAKING SOFT DRINKS, ETC. Classes 45 and 46.

255,907. JOURNAL OF AMERICAN INSURANCE. Registered Apr. 30, 1929. American Mutual Alliance, Chicago, Ill., a corporation of Illinois. Renewed Apr. 30, 1949. PERIODICAL PUBLISHED MONTHLY. Class 38.

255,993. "WONDERSS" AND DESIGN. Registered May 7, 1929. Southern Mills, Inc., Atlanta, Ga., a corporation of Georgia. Renewed May 7, 1949. COTTON PADDING FOR USE IN LAUNDRIES. Class 42.

256,169. SUPERFOLD. Registered May 7, 1929. A & Z Chain Company, Providence, R. I., a corporation of Rhode Island. Renewed May 7, 1949. BUCKLES FOR BELTS AND SHOES AND METAL EXTENSION AND ENLARGEMENT DEVICES FOR WATCH STRAPS, ETC. Class 28.

256,206. "B. V. D" ETC. AND OBLONG BACKGROUND. Registered May 7, 1929. The B. V. D. Company, Inc., Baltimore, Md. Renewed May 7, 1949, to The B. V. D. Corporation, Baltimore, Md., and New York, N. Y., a corporation of Delaware. UNDERWEAR OF WOVEN AND TEXTILE FABRICS—NAMELY, SHIRTS, DRAWERS, UNION SUITS, ETC. Class 39.

256,213. TRAZITE. Registered May 7, 1929. Oakite Products, Inc., New York, N. Y., a corporation of New York. Renewed May 7, 1949. CLEANING AND SCOURING COMPOUND FOR FLOORS, WALLS, BATHTUBS, SINKS, BASINS, REFRIGERATORS, STONE, CONCRETE, MARBLE, AND METAL. Class 4.

256,439. SKY BOY. Registered May 14, 1929. L. Maxcy, Inc., Frostproof, Fla., a corporation of Florida. Renewed May 14, 1949. FRESH AND CANNED CITRUS FRUITS. Class 46.

256,447. THERMOID F-M-L BRAKE LINING. Registered May 14, 1929. Thermoid Rubber Company, Hamilton Township, Trenton, Mercer County, N. J. Renewed May 14, 1949, to Thermoid Company, Trenton, N. J., a corporation of Delaware. BRAKE LININGS. Class 35.

256,496. SKEE-BALL. Registered May 21, 1929. National Skee-Ball Company, Inc., Coney Island, N. Y. Renewed May 21, 1949, to Philadelphia Toboggan Company, Philadelphia, Pa., a corporation of Pennsylvania. GAME IN THE NATURE OF A BOWLING GAME AND PARTS THEREOF. Class 22.

TRADE-MARK REGISTRATIONS CANCELED

256,286. "DEE CEE" AND DESIGN. Registered May 14, 1929. Carl Cannon, doing business as The Dee Cee Laboratories, Chicago, Ill. DENTAL INVESTMENT COMPOUNDS FOR MAKING MOULDS. Class 44. Canceled Jan. 7, 1949.

262,738. VIM-TAB. Registered Oct. 22, 1929. Robert H. Sommers, doing business as Vim-Tab Co., Chicago, Ill. TONIC TABLET FOR USE AS A GENERAL TONIC AND RESTORATIVE. Class 6. Canceled Jan. 14, 1949.

263,316. CORONADO. Registered Nov. 5, 1929. Walton N. Moore Dry Goods Co., Inc., San Francisco, Calif. MEN'S, WOMEN'S, AND CHILDREN'S SWEATERS, SWIMMING SUITS, KNITTED AND WOVEN DRESSES FOR THE USE OF WOMEN, MISSES, AND CHILDREN. Class 39. Canceled Jan. 7, 1949.

277,935. WAPACO. Registered Dec. 2, 1930. Watson-Park Company, Boston, Mass. VARIOUS CHEMICAL PREPARATIONS FOR USE IN DYEING AND FINISHING AND PREPARING FOR DYEING, ETC. Class 6. Canceled Jan. 7, 1949.

285,095. RECO. Registered July 14, 1931. Refrigeration Corporation of Maryland, Baltimore, Md. REFRIGERATING CABINETS OF THE INDIRECT-REFRIGERATION TYPE. Class 31. Canceled Jan. 14, 1949.

291,733. SINEW. Registered Feb. 23, 1932. Groves Thread Company, Inc. Gastonia, N. C. COTTON THREAD AND YARNS. Class 43. Canceled Jan. 7, 1949.

300,972. CANDID. Registered Feb. 14, 1933. Willoughby Camera Stores, Inc., New York, N. Y. CAMERAS, SENSITIZED PHOTOGRAPHIC PLATES AND FILMS, ETC. Class 26. Canceled Jan. 7, 1949.

311,621. DON PEDRO. Registered Mar. 27, 1934. Benedict-Swenson Co., Los Angeles, Calif. WINES. Class 47. Canceled Jan. 14, 1949.

325,352. "RINGS EXCELLENT" AND DESIGN. Registered June 18, 1935. General Mills, Inc., Minneapolis, Minn. FLOUR, PARTICULARLY WHEAT FLOUR. Class 46. Canceled Jan. 5, 1949.

TRADE-MARK REGISTRATIONS REPUBLISHED

340,889. GENUINE LORRAINE TRULI KOOL. Registered Nov. 24, 1936. Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. MEN'S AND BOYS' SUITS, COATS, TROUSERS, ETC. Class 39. Canceled Jan. 5, 1949.

341,461. TOPPERS. Registered Dec. 8, 1936. Moorhead Knitting Company, Harrisburg, Pa. MEN'S HOSE. Class 39. Canceled Jan. 7, 1949.

345,127. SANI-TEX. Registered Apr. 13, 1937. National Retailer-Owned Grocers, Inc., Chicago, Ill. HYGIENIC SOAP. Class 4. Canceled Jan. 14, 1949.

391,270. SOAPETTES. Registered Oct. 28, 1941. Club Aluminum Products Co., Chicago, Ill. SOAP IMPREGNATED METALLIC WOOL PADS. Class 4. Canceled Jan. 14, 1949.

404,200. MASTER-MATIC. Registered Nov. 9, 1943. The Bullard Company, Bridgeport, Conn. METAL-WORKING LATHES. Class 23. Canceled Jan. 18, 1949.

417,194. HERIBEX. Registered Oct. 16, 1945. Herbert J. Heribert, New York, N. Y. PLASTIC COMPOSITION IN SHEET FORM USED FOR VARIOUS MANUFACTURING PURPOSES. Class 1. Canceled Jan. 7, 1949.

418,461. HERIBEX. Registered Dec. 25, 1945. Herbert J. Heribert, New York, N. Y. ADHESIVE CEMENT FOR BONDING CORK, LEATHER, ETC. Class 5. Canceled Jan. 7, 1949.

419,478. HERIBEX. Registered Feb. 19, 1946. Herbert J. Heribert, New York, N. Y. SOLUTION TO BE USED AS A COATING, FINISH OR LACQUER FOR TEXTILES, ETC. Class 6. Canceled Jan. 7, 1949.

428,605. MENTONE HEIGHTS. Registered Mar. 25, 1947. Mentone Heights Association, Mentone, Calif. FRESH CITRUS FRUITS. Class 46. Canceled Jan. 7, 1949.

432,740. "ROBERT LEE YARNS" AND DESIGN. Registered Sept. 9, 1947. Robert Lee Yarns, Two Rivers, Wis. YARNS. Class 43. Canceled Jan. 14, 1949.

436,667. TOXAPHENE. Registered Feb. 17, 1948. Hercules Powder Company, Wilmington, Del. ACTIVE CHEMICAL INGREDIENT FOR USE IN THE MANUFACTURE OF INSECTICIDES. Class 6. Canceled Jan. 17, 1949. Surrendered as being a common name for insecticidal chemical, chlorinated camphene.

500,104. KIL-BUG. Registered Apr. 13, 1948. Samuel L. Landrum, doing business as The Taylor Chemical Company, Taylor, Tex. INSECTICIDES. Class 6. Canceled Jan. 7, 1949.

TRADE-MARK REGISTRATIONS AMENDED, SURRENDERED, DISCLAIMED, CORRECTED, ETC.

183,808. REPRESENTATION OF A BOX COLORED BUFF AND GREEN. Registered May 6, 1924. Flexible Steel Lacing Co., Chicago, Ill. FLEXIBLE OR HINGED BELT FASTENERS. Class 13. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Co." should be *Company*.

412,091. REPRESENTATION OF A CONTAINER. Registered Feb. 20, 1945. Flexible Steel Lacing Co., Chicago, Ill. FLEXIBLE OR HINGED BELT FASTENERS. Class 13. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; in line 1 of the statement; and in the printed signature to the statement, "Co." should be *Company*.

414,307. FLEX V. Registered June 5, 1945. Flexible Steel Lacing Co., Chicago, Ill. FLEXIBLE OR HINGED BELT FASTENERS. Class 13. Corrected as follows: In the certificate, lines 2 and 16; in the heading to the statement; and in line 1 of the statement, "Co." should be *Company*.

503,145. ST. LAWRENCE. Registered Oct. 19, 1948. John E. Respondek, doing business as St. Lawrence Company, Detroit, Mich. Compound to be used as a cough syrup and an herb and vitamin compound for use as a tonic. Class 6. Corrected as follows: In the declaration, second column, line 10, for the word "receive" read *deceive*.

503,390. DOUBLE OBBOUND DESIGN. Registered Oct. 26, 1948. The American Rolling Mill Company, Middletown, Ohio, now by change of name Armco Steel Corporation. FERROUS METALS AND FERROUS METAL CASTINGS AND FORGINGS. Class 14. Corrected as follows: On the page containing the statement and declaration, line 3, strike out "Concurrent Use".

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 372,183. Registered Oct. 24, 1939. WONDER PRODUCTS COMPANY, Canton, Ohio. Republished by Werner Walter, Canton, Ohio.

TRADE-MARK REGISTRATIONS REPUBLISHED

The following marks registered under the act of 1906, or the act of 1881, are published under the provisions of section 12(a) of the Trade-Mark Act of 1946. These registrations are not subject to opposition but are subject to cancellation under section 14 of the act of 1946.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Reg. No. 321,984. Registered Feb. 19, 1935. THE BELMONT PACKING & RUBBER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

THE BELMONT PACKING & RUBBER CO. BELMONT PHILADELPHIA, U.S.A.

The geographical term "Philadelphia, U. S. A." is disclaimed apart from the mark as shown.

FOR PACKING AND PACKING MATERIAL MADE OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND VARIOUS COMBINATIONS THEREOF—NAMELY, THOSE KNOWN AS STEAM, HIGH PRESSURE STEAM, HOT WATER, HYDRAULIC, ACID, AMMONIA, AND AIR PACKINGS; GASKETS, HOSE AND FLEXIBLE CONDUITS; DIAPHRAGMS OF RUBBER AND RUBBER AND COTTON; TWISTED, BRAIDED, AND WOVEN ASBESTOS; PUMP VALVES, AND VALVE DISCS; AND BELTING.

Claims use since Mar. 21, 1932.

Reg. No. 377,942. Registered May 21, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR COAL, COKE, KINDLING WOOD, WIPING RAGS, WASTE, HIDES, LEATHER, FUR SKINS, SPONGES, CHAMOIS, PLANTS, TREES, SHRUBS, BULBS, FLOWER SEEDS, GRASS SEED, GARDEN SEED, HAY, STRAW, ALFALFA; AGRICULTURAL LIMESTONE, FIRE CLAY, SAND, GRAVEL, CHICKEN GRIT, GRANITE GRIT, CRUSHED STONE, SAND, AND GRAVEL, AND GROUND OYSTER SHELL.

Claims use since December 1929.

Reg. No. 383,734. Registered Dec. 24, 1940. A. H. ROSS & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Kleenette

FOR LEATHER, MORE SPECIFICALLY SNUFFED OR CORRECTED SIDES IN ELK, SMOOTH, OR EMBOSSED LEATHER.

Claims use since Nov. 25, 1939.

Reg. No. 384,350. Registered Jan. 14, 1941. A. H. ROSS & SONS CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Klenzette

FOR LEATHER.

Claims use since Mar. 28, 1940.

Reg. No. 389,580. Registered Aug. 12, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR TURKEY POULTS, CHICKS, HATCHING EGGS, LIVE POULTRY, DRESSED POULTRY, MILK, BUTTER, EGGS, POULTRY FEED, LAYING MASH, STOCK FEED, MINERAL HOG FEED, CANNED DOG FOOD, DOG BISCUITS, AND BIRD SEED.

Claims use since December 1929.

CLASS 2

RECEPTACLES

Reg. No. 428,391. Registered Mar. 25, 1947. SIEBE, GORMAN & COMPANY LIMITED, Tolworth, Surrey, England, a corporation of Great Britain. Republished by registrant.

OXYLET

FOR CYLINDERS AND CAPSULES FOR COMPRESSED GAS, ALL BEING MADE OF COMMON METAL AND NONE BEING PARTS OF MACHINERY.

Claims use since Jan. 9, 1930.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Reg. No. 413,728. Registered May 8, 1945. J. P. SMITH SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

BRITISH WALKERS

The term "British" is disclaimed apart from the mark as shown.

FOR LADIES' HANDBAGS.

Claims use since Nov. 16, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Reg. No. 264,868. Registered Dec. 10, 1929. THE GROCERS & PRODUCERS CO., doing business as Clover Farm Stores, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR BICARBONATE OF SODA, LYE, SALSODA, A PREPARATION FOR CLEANING TOILET BOWLS, GLOSS STARCH, FLY SPRAY, AMMONIA, BLUING, SAFFRON, SPIRITS OF CAMPHOR, CAMPHORATED OIL, PURE CASTOR OIL, PEROXIDE, TURPENTINE, FOR MEDICINAL PURPOSES, AND WITCH-HAZEL.

Claims use since 1882.

Reg. No. 290,469. Registered Jan. 5, 1932. THE GROCERS & PRODUCERS CO., doing business as Clover Farm Stores, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR TOILET SOAP, LAUNDRY SOAP, GRANULATED SOAP, SOAP CHIPS, BORAX SOAP POWDER, AND A POWDER FOR CLEANSING, SCOURING, AND POLISHING.

Claims use since 1882.

Reg. No. 316,286. Registered Aug. 21, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR BRUSHLESS SHAVING CREAM; LATHER SHAVING CREAM.

Claims use since June 1929.

Reg. No. 372,183. Registered Oct. 24, 1939. WONDER PRODUCTS COMPANY, Canton, Ohio. Republished by Werner Walter, Canton, Ohio.

ROSE-GLO

FOR TOILET BOWL CLEANER HAVING INCIDENTAL DEODORIZING PROPERTIES.

Claims use since Apr. 14, 1939.

CLASS 5

ADHESIVES

Reg. No. 268,240. Registered Mar. 11, 1930. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR COMPOSITION BOOKS, SHELF PAPER, WAX PAPER, GUMMED TAPE PAPER, PAPER TABLETS, TISSUE CLEANSING PAPER, PENCILS.

Claims use since December 1922.

Reg. No. 378,447. Registered June 11, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, PAPER CLIPS, FILE POCKETS, FILE TRANSFER CASES, INK WELLS, LEDGERS, CASH BOOKS, MEMORANDUM BOOKS, JOURNALS, ORDER BOOKS, SCRATCH PADS, PENCIL SHARPENERS, DESK PADS, DESK CALENDAR PADS, THUMBTACKS, RUBBER DATING STAMPS, LEAD AND MECHANICAL PENCILS, PENS, WRITING TABLETS, ERASERS, DESK AND HAND BLOTTERS, WRITING AND PRINTING PAPER, TISSUE PAPER, PAPER TOWELS, NAPKINS AND TABLECLOTHS, WALLPAPER, TOILET TISSUE, WRAPPING PAPER, WAX PAPER, SHELF PAPER, ADDING MACHINE ROLLS, STENCIL PAPER, BLANK ADHESIVE LABELS, ADHESIVE TAPE PAPER, ALBUMS, STENCILS, PAPER FILES, LOOSELEAF BINDERS, STRAWBOARD, SCRAPBOOKS, CARDBOARD, FILTER PAPER, AND PAPER CUTTERS.

Claims use since December 1929.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMA-

Reg. No. 316,543. Registered Aug. 28, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland,

Reg. No. 350,899. Registered Sept. 28, 1937. DOHO CHEMICAL CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

Reg. No. 379,235. Registered July 9, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Reg. No. 44,419. Registered July 4, 1905. THE DENVER CHEMICAL MANUFACTURING COMPANY, Denver, Colo., a corporation of Colorado. Republished by registrant, present address New York, N. Y.

Antiphlogistine

FOR MEDICINAL PREPARATION POSSESSING CURATIVE PROPERTIES AND BEING A CURATIVE REMEDY FOR INJURIES AND ACUTE AND CHRONIC INFLAMMATORY AFFECTIONS.

Claims use since on or about Oct. 1, 1893.

Reg. No. 264,868. Registered Dec. 10, 1929. THE GROCERS & PRODUCERS CO., doing business as Clover Farm Stores, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR BICARBONATE OF SODA, LYE, SALSODA, A PREPARATION FOR CLEANING TOILET BOWLS, GLOSS STARCH, FLY SPRAY, AMMONIA, BLUING, SAFFRON, SPIRITS OF CAMPHOR, CAMPHORATED OIL, PURE CASTOR OIL, PEROXIDE, TURPENTINE, FOR MEDICINAL PURPOSES, AND WITCH-HAZEL.

Claims use since 1882.

Reg. No. 302,907. Registered May 2, 1933. THE WILBUR WHITE CHEMICAL COMPANY, INC., Owego, N. Y. Republished by Franklin Research Company, Philadelphia, Pa., a corporation of Pennsylvania.

BRYTENE

FOR WAX EMULSION FOR THE PRESERVATION AND IMPROVEMENT IN APPEARANCE OF CITRUS FRUIT AND OTHER EDIBLES.

Claims use since Dec. 5, 1932.

Reg. No. 309,463. Registered Jan. 16, 1934. DOHO CHEMICAL CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

AURALGAN

The abbreviation "N. Y." is disclaimed apart from the mark as shown.

FOR EAR DROPS.

Claims use since Sept. 1, 1931.

Reg. No. 316,543. Registered Aug. 28, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

CLOVER FARM

FOR GLYCERINE, SWEET OIL, SPIRITS OF NITRE, PETROLEUM JELLY, SNOW WHITE PETROLEUM JELLY, EPSOM SALTS, SULPHUR, DENTAL CREAM, ASPIRIN, LAXATIVE TABLETS, EFFERVESCENT ALKALIZING SALTS, CASCARA COMPOUND TABLETS, COD LIVER OIL (NORWEGIAN), LAXATIVE SALTS, MILK OF MAGNESIA, MEDICINAL MINERAL OIL (RUSSIAN), MOUTH WASH, WHITE PINE COMPOUND, WILD CHERRY COMPOUND, VAPORIZING OINTMENT, POWDERED ALUM, FAMILY LINIMENT, CHILDREN'S LAXATIVE SYRUP, ELIXIR COD LIVER OIL, WINE OF BEEF AND IRON, RUBBING LINIMENT, BAY RUM AND RUBBING ALCOHOL COMPOUND, PETROLATUM, BLEACH WATER, AND DRAIN PIPE SOLVENT.

Claims use since 1887.

Reg. No. 323,513. Registered Apr. 16, 1935. THE KESSLER CHEMICAL CORPORATION, New York, N. Y. Republished by Kessler Chemical Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

KESSCO PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.

FOR ACETONE, METHYL-ETHYL KETONE, METHYL ETHYL KETONE ANHYDROUS ALCOHOL SOLVENT, ETHYL ACETATE, BUTYL ACETATE, BUTYL ACETATE SUBSTITUTES, BUTYL ALCOHOL, AMYL ACETATE, AMYL ALCOHOL, FUSEL OIL, BUTYL PROPIONATE, BUTYL STEARATE, DIMETHYL PHTHALATE, DIETHYL PHTHALATE, DIBUTYL PHTHALATE, ACETINE, TRIACETINE, DIBUTYL TARTRATE, AND DIACETINE.

Claims use since 1924.

Reg. No. 349,186. Registered Aug. 24, 1937. MULFORD COLLOID LABORATORIES, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

Ferrocol

FOR SOLUTION AND A SCALE SALT CONTAINING IRON AND COPPER IN COLLOIDAL FORM, APPLIED EITHER ORALLY OR BY INTRAMUSCULAR OR INTRAVENOUS INJECTION IN CASES OF EXTREME CHLOROSIS, ANEMIA AND WHEREVER IRON THERAPY IS INDICATED.

Claims use since on or before Sept. 1, 1921.

Reg. No. 350,309. Registered Sept. 28, 1937. DOHO CHEMICAL CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

OTOSMOSAN

FOR EAR DROPS.

Claims use since Jan. 5, 1936.

Reg. No. 357,121. Registered May 24, 1938. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y., a corporation of Colorado. Republished by registrant.

Galatest

FOR DRY REAGENT FOR TESTING SOLUTIONS FOR SUGAR.

Claims use since June 4, 1937.

Reg. No. 357,151. Registered May 24, 1938. DOHO CHEMICAL CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

(+) AURALYT

FOR OSMOTHERAPEUTIC TREATMENT OF EAR DISEASES.

Claims use since Oct. 15, 1936.

Reg. No. 357,735. Registered June 14, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR FLY SPRAY.

Claims use since 1929.

Reg. No. 362,350. Registered Nov. 15, 1938. CLIFFORD E. JONES, Peru, Ind. Republished by registrant.

"ANT SHOTS"

FOR INSECTICIDE CONTAINED IN CAP-LIKE RECEPTACLES.

Claims use since May 1, 1938.

Reg. No. 379,235. Registered July 9, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR BORIC ACID POWDER, CALOMEL, SPIRITS OF CAMPHOR, CAMPHOR ICE, CARBOLIC ACID, CASTOR OIL, CHLOROFORM, CITRATE OF MAGNESIA, COD LIVER OIL, HALIVER OIL, EPSOM SALTS, SULPHUR, GLYCIUM; LINIMENT FOR THE TREATMENT OF MUSCULAR ACHES AND PAINS, RHEUMATISM, LUMBAGO, NEURALGIA AND LIKE AILMENTS; LITHIA TABLETS, QUININE, STEARATE OF ZINC, PEROXIDE OF HYDROGEN, IODINE, POTASH, PETROLEUM JELLY, CHLORIDE OF LIME, MURIATE OF POTASH, SWEET OIL, WOOD ALCOHOL, BEESWAX, COUGH DROPS, BREATH PURIFYING TABLETS, TOOTHACHE WAX, TOOTHACHE LIQUID, TOOTH PASTE, TOOTH POWDER, STOMACH BITTERS, MOUTH WASH, MUSTARD PLASTERS, FOOTPOWDER, SMELLING SALTS, EYE WASH, YEAST TABLETS, VITAMIN CAPSULES, MILK OF MAGNESIA, LAXATIVE TABLETS, CARBOLIC SALVE, WITCH HAZEL, PREPARATIONS FOR THE TREATMENT OF DISEASES IN POULTRY AND LIVESTOCK, INCENSE, EMBALMING FLUID, LIQUID INK ERADICATOR, FLY SPRAY, INSECT POWDER, SHEEP DIP, PARIS GREEN, MOSQUITO REPELLANT, BLUING, LAUNDRY STARCH, LYE, CLOTHING DYE, RADIATOR CLEANER, DRAIN CLEANER, AMMONIA; AUTOMOBILE KNEE ACTION, BRAKE AND SHOCK ABSORBER FLUID; PHOTOGRAPHIC CHEMICAL, RADIATOR ANTI-FREEZE SOLUTION, WELDING COMPOUND, SOLDERING ACID, FACE POWDER, LIP STICK, ROUGE, DEPILATORIES, SKIN LOTION, SKIN CREAM, MUD PACK, HAIR DRESSING, HAIR TONIC, LIQUID SHAMPOO, PERFUME, NAIL POLISH, NAIL POLISH REMOVER, EYE SHADOW, MASCARA, COLD CREAM, VANISHING CREAM, DEODORANT, POWDER BASE, WAVE SET, AND CHEMICAL RUST REMOVER.

Claims use since December 1929.

Reg. No. 383,369. Registered Dec. 3, 1940. G. & W. H. CORSON, Plymouth Meeting, Pa., a corporation of Delaware. Republished by registrant.

ACTOMAG

The symbol "Mg" is disclaimed apart from the mark as shown.

FOR SELECTIVELY CANCINED DOLOMITE CONSISTING OF MAGNESIUM OXIDE AND CALCIUM CARBONATE.

Claims use since June 24, 1940.

Reg. No. 397,405. Registered Sept. 8, 1942. WM. P. POTTHRESS & CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

Reg. No. 410,605. Registered Dec. 5, 1944. C. J. MARTIN & SONS, Austin, Tex. Republished by C. J. Martin and Sons, Inc., Austin, Tex., a corporation of Texas.

RUBIKA

Reg. No. 435,692. Registered Jan. 6, 1948. AMES COMPANY, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

EGG COOKERS, SADIRONS, HOT PLATES FOR COOKING PURPOSES, SUCTION CLEANERS, WAFFLE IRONS, FOOD MIXERS, FOOD CHOPPERS, VENTILATING FANS, CIGAR LIGHTERS, CURLING IRONS, COFFEE PERCOLATORS, TOASTERS, DOOR BELLS,

Reg. No. 397,405. Registered Sept. 8, 1942. WM. P. POTTHRESS & CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

BENSULFOID

FOR PREPARATION IN TABLET OR POWDER FORM FOR INTERNAL OR EXTERNAL USE IN ANY HUMAN AILMENT, SKIN DISEASE, OR SKIN INFECTION IN WHICH THE EXTERNAL OR INTERNAL USE OF SULPHUR MAY BE CONSIDERED THERAPEUTICALLY OR PALLIATIVELY DESIRABLE.
Claims use since Oct. 25, 1940.

Reg. No. 397,576. Registered Sept. 8, 1942. JANTZEN KNITTING MILLS, Portland, Oreg. Republished by Jantsen Knitting Mills Inc., Portland, Oreg., a corporation of Nevada.

JAN

FOR SUNTAN LIQUID CREAM ALSO USED FOR PROTECTING THE SKIN FROM THE SUN'S RAYS AND THE WEATHER.
Claims use since Mar. 30, 1942.

Reg. No. 399,562. Registered Jan. 19, 1943. AR-JAY LABORATORIES, INCORPORATED, Ontario, Calif., a corporation of California. Republished by registrant.

AR-JAY
LEM-O-LENE

FOR HAIR RINSE.
Claims use since Apr. 1, 1940.

Reg. No. 404,462. Registered Nov. 23, 1943. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y., a corporation of Colorado. Republished by registrant.

Antiphlogistine

The drawing is lined to indicate the color orange.
FOR MEDICINAL PREPARATION POSSESSING HEALING PROPERTIES AND BEING A HEALING PREPARATION FOR INJURIES AND ACUTE AND CHRONIC INFLAMMATORY AFFECTIONS.
Claims use since Nov. 1, 1942.

Reg. No. 405,820. Registered Feb. 22, 1944. THE DENVER CHEMICAL MANUFACTURING COMPANY, New York, N. Y., a corporation of Colorado. Republished by registrant.

DENCO

FOR CHEMICAL COMPOUNDS TO BE USED FOR THE IDENTIFICATION OF CERTAIN NORMAL AND ABNORMAL SUBSTANCES FOUND IN THE BODY FLUIDS.
Claims use since Sept. 20, 1943.

Reg. No. 410,606. Registered Dec. 5, 1944. C. J. MARTIN & SONS, Austin, Tex. Republished by C. J. Martin and Sons, Inc., Austin, Tex., a corporation of Texas.

PHENIKA

FOR PREPARATION IN DRIED, LIQUID, OR SOLID FORM, FOR THE TREATMENT OF WORMS IN POULTRY AND ANIMALS.
Claims use since Aug. 11, 1943.

Reg. No. 422,335. Registered July 16, 1946. CHANEL, INC., New York, N. Y., a corporation of New York. Republished by registrant.

No 5

FOR PERFUME, TOILET WATER, EAU DE COLOGNE, FACE POWDER, TALCUM POWDER, AND BATH POWDER.
Claims use since Jan. 1, 1921.

Reg. No. 428,653. Registered Apr. 1, 1947. EBERSOLE-GAETS-RHODES CO., Clarence Center, N. Y., a firm. Republished by registrant.

COCCI-BAN

The word "Cocci" is disclaimed apart from the mark as shown.
FOR PREPARATION FOR THE TREATMENT OF COCCIDIOSIS.
Claims use since May 10, 1945.

Reg. No. 431,975. Registered Aug. 12, 1947. RIGO MANUFACTURING COMPANY, Nashville, Tenn., a corporation of Tennessee. Republished by registrant.

KLiSTA

FOR MOUTH WASH.
Claims use since Sept. 16, 1946.

Reg. No. 432,621. Registered Sept. 9, 1947. HAAS-MILLER CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

IMMUNOL

FOR CHEMICAL COMPOUNDS FOR WET GRINDING OF METAL.
Claims use since Apr. 10, 1946.

Reg. No. 434,073. Registered Nov. 4, 1947. CHAS. PFIZER & CO., INC., New York, N. Y., a corporation of New Jersey. Republished by registrant.

A★C★M

FOR MIXTURE OF ASCORBIC ACID AND CITRIC ACID FOR TREATING FRESH AND PRESERVED FRUITS AND VEGETABLES.
Claims use since Apr. 1, 1947.

Reg. No. 435,902. Registered Jan. 6, 1948. AMES COMPANY, INC., Elkhart, Ind., a corporation of Indiana. Republished by registrant.

Amecholin

FOR CHOLAGOGUES AND CHOLERETICS FOR THE TREATMENT OF ALL DISEASES OF THE LIVER AND BILE DUCTS SUCH AS CHOLANGITIS (JAUNDICE) AND CHOLELITHIASIS, DIURETICS IN NON-COMPENSATED HEART DEFECTS AND ASCITES WITH CIRRHOTIC DISEASES OF THE LIVER, PREPARATIONS DIMINISHING THE UNTOWARD EFFECTS IN THE INTERNAL TREATMENT OF DIABETES, PREPARATION FOR USE IN THE TREATMENT OF DRUG AND ALCOHOL POISONING AND IN THE TREATMENT OF CERTAIN CONDITIONS OF POISONING, ESPECIALLY METALLIC POISONINGS, IN WHICH DETOXIFICATION OF THE LIVER PROVES BENEFICIAL; MENTAL AFFECTIONS DUE TO LIVER DISEASES, IMPROVING THE TECHNIQUE OF CHOLECYSTOGRAPHY, TREATMENT OF PNEUMOCOCCIC INFECTIONS, TREATMENT OF CONSTIPATION, TREATMENT OF ALLERGIC DISEASES.
Claims use since Dec. 13, 1946.

Reg. No. 435,985. Registered Jan. 20, 1948. HOWARD W. NAYLOR, Morris, N. Y. Republished by registrant.

LINITE

FOR A VETERINARY PREPARATION FOR USE IN THE TREATMENT OF HOOF ROT, CONTRACTED HOOFS, BARN ITCH, CUTANEOUS ERUPTIONS, THRUSH-CANKER, AND CALK WOUNDS.
Claims use since on or about June 1, 1933.

CLASS 8

SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS

Reg. No. 386,642. Registered Apr. 22, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR ELECTRICALLY OPERATED APPARATUS AND PARTS THEREOF—NAMELY, LIGHTING FIXTURES, FARM LIGHTING PLANTS AND PARTS THEREOF, INCANDESCENT LAMPS, WIRES, EXTENSION CORD, CONDUITS, SWITCHES, SWITCH PLATES, PLUGS, SOCKETS, FLASHLIGHTS, TRANSFORMERS, ARC LAMPS, FUSES, PORCELAIN INSULATORS, LIGHTNING RODS AND ARRESTORS, MAGNETS, PLOWS, RHEOSTATS, WALL PLATES, WALL AND CEILING LIGHTS, MOTORS, GENERATORS, STORAGE BATTERIES, DRY CELL BATTERIES, INSULATING TAPE, RADIO RECEIVING SETS AND PARTS THEREOF,

CLASS 10

FERTILIZERS

Reg. No. 377,942. Registered May 21, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR COAL, COKE, KINDLING WOOD, WIPING RAGS, WASTE, HIDES, LEATHER, FUR SKINS, SPONGES, CHAMOIS, PLANTS, TREES, SHRUBS, BULBS, FLOWER SEEDS, GRASS SEED, GARDEN SEED, HAY, STRAW, ALFALFA; AGRICULTURAL LIMESTONE, FIRE CLAY, SAND, GRAVEL, CHICKEN GRIT, GRANITE GRIT, CRUSHED STONE, SAND, AND GRAVEL, AND GROUND OYSTER SHELL.
Claims use since December 1929.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL

STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR

Reg. No. 407,799. Registered June 27, 1944. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by regis-

Reg. No. 226,847. Registered Apr. 19, 1927. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

Reg. No. 375,069. Registered Feb. 6, 1940. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND CLAMPS; COPPER, BRASS, AND BLOCKED TIN TUBING; SKID CHAINS, HARNESS CHAINS, STEEL STANCHIONS; LOGGING CHAINS, BARBED WIRE, WOVEN FENCE WIRE, METAL POSTS AND FENCE GATES, BALE TIES, BASE METAL TABLE AND COOKING HOLLOW WARE, BASE METAL DRINKING CUPS; WALL SOAP TRAYS, GLASS HOLDERS, TOOTH BRUSH HOLDERS AND BROOM HOLDERS; CHAFING DISHES, METAL CUSPIDORS, POULTRY AND LIVESTOCK DRINKING PANS CONNECTED TO PLUMBING; PRESSURE COOKERS, SEPTIC TOILET BOWLS, CLOSET TANKS; IRON, CAST IRON, AND LEAD PIPE AND PIPE FITTINGS; WATER SOFTENING TANK UNITS, STEEL ROLLER CHAINS, STEEL SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS, SINKS, BATHTUBS, CLOSET BOWLS, URINALS, WASH BOWLS, WASH BASINS, STATIONARY LAUNDRY TUBS, FOOT BATHS, SHOWER FIXTURES, METAL SHOWER BATHS, FAUCETS, WATER CLOSET SEATS, WASTE COCKS, FLUSH TANKS AND PARTS THEREOF, SEPTIC TANKS, METAL SYPHONS; AND PLUMBING, GAS-FITTING, AND STEAM-FITTING VALVES.

Claims use since December 1929.

Reg. No. 378,447. Registered June 11, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, PAPER CLIPS, FILE POCKETS, FILE TRANSFER CASES, INK WELLS, LEDGERS, CASH BOOKS, MEMORANDUM BOOKS, JOURNALS, ORDER BOOKS, SCRATCH PADS, PENCIL SHARPENERS, DESK PADS, DESK CALENDAR PADS, THUMBTACKS, RUBBER DATING STAMPS, LEAD AND MECHANICAL PENCILS, PENS, WRITING TABLETS, ERASERS, DESK AND HAND BLOTTERS, WRITING AND PRINTING PAPER, TISSUE PAPER, PAPER TOWELS, NAPKINS AND TABLECLOTHS, WALLPAPER, TOILET TISSUE, WRAPPING PAPER, WAX PAPER, SHELF PAPER, ADDING MACHINE ROLLS, STENCIL PAPER, BLANK ADHESIVE LABELS, ADHESIVE TAPE PAPER, ALBUMS, STENCILS, PAPER FILES, LOOSELEAF BINDERS, STRAWBOARD, SCRAPBOOKS, CARDBOARD, FILTER PAPER, AND PAPER CUTTERS.

Claims use since December 1929.

Reg. No. 407,799. Registered June 27, 1944. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PHIL-ALLOY POWER PLUS SPRING WASHERS

The words "Alloy Spring Washers" are disclaimed apart from the mark as shown.

FOR SPRING WASHERS.

Claims use since 1937.

Reg. No. 407,800. Registered June 27, 1944. PHILADELPHIA STEEL AND WIRE CORPORATION, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

PHIL-ALLOY SPRING WASHERS

The words "Alloy Spring Washers" are disclaimed apart from the mark as shown.

FOR SPRING WASHERS.

Claims use since 1937.

CLASS 17

TOBACCO PRODUCTS

Reg. No. 153,058. Registered Mar. 7, 1922. JOSEPH WHITCOMB & CO., Springfield, Mass. Republished by E. Waegemans & Son, Inc., Bridgeport, Conn., a corporation of Connecticut.

TEL AND TEL

FOR CIGARS.

Claims use since June 1914.

Reg. No. 226,846. Registered Apr. 19, 1927. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

FOR CIGARS.

Claims use since July 19, 1913.

Reg. No. 226,847. Registered Apr. 19, 1927. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

FOR CIGARS.

Claims use since Aug. 5, 1909.

Reg. No. 337,879. Registered Aug. 25, 1936. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

Crosby Square

FOR SMOKING TOBACCO.

Claims use since Mar. 8, 1935.

Reg. No. 360,151. Registered Sept. 6, 1938. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

LA CUBAVANA

FOR CIGARS.

Claims use since June 1, 1890.

Reg. No. 362,780. Registered Nov. 29, 1938. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

BLACK HAWK

FOR CIGARS.

Claims use since January 1889.

Reg. No. 362,781. Registered Nov. 29, 1938. H. FENDRICH, INC., Evansville, Ind., a corporation of Indiana. Republished by registrant.

Charles Denby

FOR CIGARS.

Claims use since July 25, 1893.

Reg. No. 375,069. Registered Feb. 6, 1940. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo., a corporation of Delaware. Republished by registrant.

LONDON DOCK

The word "London'" is disclaimed apart from the mark as shown.

FOR SMOKING TOBACCO.

Claims use since Aug. 11, 1894.

CLASS 19

VEHICLES

Reg. No. 386,642. Registered Apr. 22, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR ELECTRICALLY OPERATED APPARATUS AND PARTS THEREOF—NAMELY, LIGHTING FIXTURES, FARM LIGHTING PLANTS AND PARTS THEREOF, INCANDESCENT LAMPS, WIRES, EXTENSION CORD, CONDUITS, SWITCHES, SWITCH PLATES, PLUGS, SOCKETS, FLASHLIGHTS, TRANSFORMERS, ARC LAMPS, FUSES, PORCELAIN INSULATORS, LIGHTNING RODS AND ARRESTORS, MAGNETS, PLOWS, RHEOSTATS, WALL PLATES, WALL AND CEILING LIGHTS, MOTORS, GENERATORS, STORAGE BATTERIES, DRY CELL BATTERIES, INSULATING TAPE, RADIO RECEIVING SETS AND PARTS THEREOF, EGG COOKERS, SADIRONS, HOT PLATES FOR COOKING PURPOSES, SUCTION CLEANERS, WAFFLE IRONS, FOOD MIXERS, FOOD CHOPPERS, VENTILATING FANS, CIGAR LIGHTERS, CURLING IRONS, COFFEE PERCOLATORS, TOASTERS, DOOR BELLS, HEATING STOVES AND RANGES, COOKING STOVES, WATER HEATERS, INTEROFFICE TELEPHONE COMMUNICATING SETS, SOLDERING IRONS, TOOL GRINDERS, PORTABLE HAND TYPE DISC AND BAND SAWS, HAND DRILLS; BRIDGE, FLOOR, TABLE, AND BED LAMPS; BURGLAR AND FIRE ALARMS, RADIATORS FOR HEATING PURPOSES, ROASTERS; AUTO SPARK PLUGS, HORNS, IGNITION SYSTEMS, HEAD LIGHTS, TAIL LIGHTS, STOP LIGHTS, FOG LAMPS, BATTERY CABLES, CONDENSERS, COILS, ELECTRIC STARTERS, AUTO HEATERS, DISTRIBUTOR POINTS, TIMERS, BATTERY CONNECTORS, AND BATTERY CABLE TERMINALS, FENCE CONTROLLERS, AND CLAMPS.

Claims use since December 1929.

CLASS 21

Reg. No. 174,739. Registered Oct. 23, 1923. STAR ELEC-

Reg. No. 357,727. Registered June 14, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by

Reg. No. 407,100. Registered May 16, 1944. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J., a corporation

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Reg. No. 146,157. Registered Sept. 6, 1921. AJAX ELECTROTHERMIC CORPORATION, Trenton, N. J., a corporation of New Jersey. Republished by registrant.

HIGH FREQUENCY ELECTRIC FURNACES AND PARTS THEREOF, AND THEIR ASSOCIATED SWITCHBOARDS, CONDENSERS, AND DISCHARGE-GAPS.
Claims use since about Nov. 1, 1920.

Reg. No. 146,604. Registered Sept. 13, 1921. RUTENBER ELECTRIC CO., Marion, Ind., a corporation of Indiana. Republished by registrant.

Flikflok

FOR ELECTRIC TOASTERS.
Claims use since August 1916.

Reg. No. 174,738. Registered Oct. 23, 1923. STAR ELECTRIC MOTOR COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant, present address Bloomfield, N. J.

FOR ELECTRIC MOTORS, ELECTRIC GENERATORS, AND ELECTRIC FANS.
Claims use since May 1, 1920.

Reg. No. 174,739. Registered Oct. 23, 1923. STAR ELECTRIC MOTOR COMPANY, Newark, N. J., a corporation of New Jersey. Republished by registrant, present address Bloomfield, N. J.

FOR ELECTRIC MOTORS, ELECTRIC GENERATORS, AND ELECTRIC FANS.
Claims use since June 1, 1912.

Reg. No. 196,505. Registered Mar. 17, 1925. RUTENBER ELECTRIC COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

Chill Chaser

FOR ELECTRIC AIR HEATER OF THE REFLECTOR TYPE.
Claims use since July 1924.

Reg. No. 210,499. Registered Mar. 16, 1926. CONTINENTAL TIRE CORPORATION, Chicago, Ill. Republished by Continental Products, Inc., Chicago, Ill., a corporation of Illinois.

SUPERTONE

FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since Sept. 26, 1924.

Reg. No. 305,863. Registered Aug. 29, 1933. GLOBE AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SAVEALL

FOR PRESSURE-OPERATED AUTOMATIC ELECTRIC FIRE ALARM SYSTEMS AND PRESSURE-OPERATED CIRCUIT CLOSERS THEREFOR, FOR USE IN CONNECTION WITH AUTOMATIC FIRE-EXTINGUISHING SPRINKLER SYSTEMS.
Claims use since Dec. 23, 1927.

Reg. No. 325,632. Registered July 2, 1935. P. R. MALLORY & CO., INCORPORATED, Indianapolis, Ind. Republished by P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware.

H A

FOR ELECTRICAL CONTACTS AND WELDING ELECTRODES OF THE TYPE NOT CONSUMED IN THE WELDING OPERATION.
Claims use since June 9, 1931.

Reg. No. 267,727. Registered June 14, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR ELECTRICALLY OPERATED VACUUM CLEANERS, FOOD MIXERS, FANS, ROASTERS, TOASTERS, HAND IRONS, WAFFLE IRONS, RANGES, RADIOS, LAMPS, LIGHTING FIXTURES, FOOD GRINDERS, MOTORS, EGG COOKERS, AND INCANDESCENT LAMPS.
Claims use since July 1936.

Reg. No. 386,642. Registered Apr. 22, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR ELECTRICALLY OPERATED APPARATUS AND PARTS THEREOF—NAMELY, LIGHTING FIXTURES, FARM LIGHTING PLANTS AND PARTS THEREOF, INCANDESCENT LAMPS, WIRES, EXTENSION CORD, CONDUITS, SWITCHES, SWITCH PLATES, PLUGS, SOCKETS, FLASHLIGHTS, TRANSFORMERS, ARC LAMPS, FUSES, PORCELAIN INSULATORS, LIGHTNING RODS AND ARRESTORS, MAGNETS, PLOWS, RHEOSTATS, WALL PLATES, WALL AND CEILING LIGHTS, MOTORS, GENERATORS, STORAGE BATTERIES, DRY CELL BATTERIES, INSULATING TAPE, RADIO RECEIVING SETS AND PARTS THEREOF, EGG COOKERS, SADIRONS, HOT PLATES FOR COOKING PURPOSES, SUCTION CLEANERS, WAFFLE IRONS, FOOD MIXERS, FOOD CHOPPERS, VENTILATING FANS, CIGAR LIGHTERS, CURLING IRONS, COFFEE PERCOLATORS, TOASTERS, DOOR BELLS, HEATING STOVES AND RANGES, COOKING STOVES, WATER HEATERS, INTEROFFICE TELEPHONE COMMUNICATING SETS, SOLDERING IRONS, TOOL GRINDERS, PORTABLE HAND TYPE DISC AND BAND SAWS, HAND DRILLS; BRIDGE, FLOOR, TABLE, AND BED LAMPS; BURGLAR AND FIRE ALARMS, RADIATORS FOR HEATING PURPOSES, ROASTERS; AUTO SPARK PLUGS, HORNS, IGNITION SYSTEMS, HEAD LIGHTS, TAIL LIGHTS, STOP LIGHTS, FOG LAMPS, BATTERY CABLES, CONDENSERS, COILS, ELECTRIC STARTERS, AUTO HEATERS, DISTRIBUTOR POINTS, TIMERS, BATTERY CONNECTORS, AND BATTERY CABLE TERMINALS, FENCE CONTROLLERS, AND CLAMPS.
Claims use since December 1929.

Reg. No. 407,100. Registered May 16, 1944. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J., a corporation of New Jersey. Republished by registrant.

STAR

FOR ELECTRIC MOTORS.
Claims use since Nov. 30, 1943.

Reg. No. 407,786. Registered June 27, 1944. STAR ELECTRIC MOTOR COMPANY, Bloomfield, N. J., a corporation of New Jersey. Republished by registrant.

STAR

FOR ELECTRIC MOTORS.
Claims use since Nov. 30, 1943.

Reg. No. 428,412. Registered Mar. 25, 1947. SCHULMERICH ELECTRONICS, INC., Sellersville, Pa., a corporation of Pennsylvania. Republished by registrant.

SE

The representation of an electronic tube is disclaimed apart from the mark as shown.
FOR ELECTRONIC AMPLIFYING APPARATUS; ELECTRICAL SOUND-REPRODUCING APPARATUS; MICROPHONES; ELECTRIC EAR PHONES; EQUIPMENT FOR ELECTRICAL DISTRIBUTION OF SOUND, MUSIC AND SPEECH IN INDUSTRIAL PLANTS, FACTORIES, COMMERCIAL ESTABLISHMENTS, SCHOOLS, COLLEGES, INSTITUTIONS, CHURCHES, AND THE LIKE COMPRISING APPARATUS FOR PRODUCING SOUND, SOUND REPRESENTING CURRENT AND FOR REPRODUCING SOUND REPRESENTING CURRENT AND FOR ELECTRONICALLY AMPLIFYING THE SOUND REPRESENTING CURRENTS; SYSTEMS FOR DISTRIBUTION OF TELEPHONIC CURRENTS FROM A MICROPHONE TO INDIVIDUALS AND GROUPS; ELECTRICAL CORRECTION UNITS COMPRISING MICROPHONE, ELECTRIC SOUND REPRODUCER AND ELECTRONIC AMPLIFIER COMBINATIONS, FOR INSTALLATION IN AUDITORIUMS OR THE LIKE FOR CORRECTING THE ACOUSTIC CHARACTERISTICS THEREOF; ELECTRONIC CHIME, BELL AND LIKE AMPLIFIERS; AND ELECTRICAL KEYBOARD CONTROLLED AND AUTOMATICALLY CONTROLLED ELEMENTS VIBRATING AT PREDETERMINED NOTE FREQUENCIES, AN ELECTRONIC AMPLIFIER WHOSE INPUT IMPEDANCE IS VARIED BY SAID ELEMENTS, AND SOUND PRODUCERS IN THE OUTPUT OF SAID AMPLIFIER; AND THE PARTS FOR THE GOODS AFORESAID.
Claims use since on or about June 29, 1945.

CLASS 22

Reg. No. 196,119. Registered Mar. 10, 1925. KENT-

Reg. No. 296,200. Registered Aug. 2, 1932. THE ORVILLE

Reg. No. 338,813. Registered Sept. 15, 1936. F. W. WOOLWORTH CO., Watertown and New York, N. Y., a cor-

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Reg. No. 31,821. Registered July 19, 1898. PHILADELPHIA TEXTILE MACHINERY COMPANY, Philadelphia, Pa. Republished by Proctor & Schwartz, Incorporated, Philadelphia, Pa., a corporation of Pennsylvania.

CYCLONE

FOR DRYING MACHINES.
Claims use since October 1893.

Reg. No. 56,956. Registered Oct. 30, 1906. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ENTERPRISE
TINNED
MEAT CHOPPER

FOR MEAT-CHOPPING MACHINES AND MEAT-PRESSES.
Claims use since about May 1, 1891.

Reg. No. 166,261. Registered Mar. 27, 1923. AJAX IRON WORKS, Corry, Pa., a corporation of Pennsylvania. Republished by registrant.

AJAX ENGINES

The word "Engines" is disclaimed apart from the mark as shown.
FOR DRILLING ENGINES, ENGINE PUMPS, AND PARTS USED IN THE OIL INDUSTRY.
Claims use since 1892.

Reg. No. 195,718. Registered Mar. 3, 1925. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

ENTERPRISE

FOR MEAT CHOPPERS, COFFEE MILLS, FRUIT PRESSES, CHERRY STONERS, SAUSAGE STUFFERS, SPICE MILLS, DRUG PRESSES, TOBACCO CUTTERS, BUNGHOLE BORERS, BONE MILLS, SHELL MILLS, CORN MILLS, RAISIN SEEDERS, GRAPE SEEDERS, MEAT SHAVERS, VEGETABLE SLICERS, CHEESE CUTTERS, JUICE EXTRACTORS, AND ICE SHREDDERS.
Claims use since 1867.

Reg. No. 196,119. Registered Mar. 10, 1925. KENT-MOORE ORGANIZATION, Detroit, Mich. Republished by Kent-Moore Organization Inc., Detroit, Mich., a corporation of Michigan.

FLAT-RATE

FOR AUTOMOTIVE REPAIR TOOLS—NAMELY, PROPELLER-SHAFT PULLERS, WHEEL PULLERS, HUB-BEARING-SLEEVE PULLERS, REAR-AXLE BEARING AND HOUSING PULLERS, STEERING-WHEEL PULLERS, BUSHING PULLERS, UNIVERSAL-JOINT PULLERS, CRANK-SHAFT-GEAR AND FAN-PULLEY PULLERS, FAN-PULLEY PULLERS, GENERATOR-GEAR PULLERS, STEERING-WORM PULLERS, ALL-PURPOSE BENDING IRONS, CRANK-SHAFT-TRUING IRONS, STEERING-GEAR-ADJUSTING NUT WRENCHES, FAN-ADJUSTING SPANNER WRENCHES, PLAIN-ARM-BUSHING PRESSES, ARBOR PRESSES, CRANK AND CRANK-SHAFT STRAIGHTENING PRESSES, CENTER-BEARING FACING TOOLS, CONNECTING-ROD-BABBITTING TOOLS, CONNECTING-ROD-RECONDITIONING TOOLS, CYLINDER-BURNISHING TOOLS, MAIN-BEARING ALIGNING AND BORING TOOLS, BURNISHING AND RUNNING-IN TOOLS, MOTOR STANDS, AXLE STANDS, STATIONARY CONE AND TRANSMISSION BUSING DRIVERS, CLUTCH-SPRING COMPRESSORS, BRAKE-OPERATING CAM-LEVER REMOVERS, CONNECTING-ROD ALIGNING AND BEARING-FITTING ARBORS, PISTON INSERTERS.
Claims use since Apr. 1, 1924.

Reg. No. 267,364. Registered Feb. 18, 1930. GLOBE AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SAVEALL

FOR SYSTEMS FOR THE AUTOMATIC CONTROL OF FIRE DOORS, WINDOWS, VENTILATORS, AND SASH, COMPRISING A SYSTEM OF PIPING AND TUBING AS A CONNECTING MEDIUM BETWEEN A HEAT-RESPONSIVE DEVICE PLACED WHERE FIRE IS LIABLE TO BREAK OUT AND MECHANISM PLACED AT THE SOURCE OF EXTINGUISHING AGENTS TO OPERATE SAID AGENTS, ALL OF A MECHANICAL NATURE.
Claims use since Oct. 12, 1928.

Reg. No. 273,785. Registered Aug. 12, 1930. SOABAR COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SOABAR COMPANY

FOR POWER PIN-TICKETING MACHINES; POWER GUMMED LABEL-MARKING MACHINES, POWER SEW-TICKETING MACHINES; POWER TAG MARKERS, POWER TICKET AND LABEL MARKERS, POWER TICKET MARKERS, AND HAND GUMMED-LABEL MARKERS.
Claims use since June 1, 1921.

Reg. No. 296,200. Registered Aug. 2, 1932. THE ORVILLE SIMPSON COMPANY, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

ROTEX

FOR LAWNS FOR THE CERAMIC INDUSTRY, SIZERS FOR THE ABRASIVE MATERIALS INDUSTRY, SCREENS, SIFTING AND SORTING MACHINES, AND SEPARATORS FOR INDUSTRIAL USE IN MATERIAL HANDLING AND TREATING.
Claims use since 1923.

Reg. No. 301,670. Registered Mar. 7, 1933. GLOBE AUTOMATIC SPRINKLER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

SAVEALL

FOR WATER MOTORS AND PORTABLE HAND FIRE EXTINGUISHERS.
Claims use since Dec. 23, 1927.

Reg. No. 307,175. Registered Oct. 17, 1933. QUALCAST LIMITED, Derby, England, a corporation of Great Britain. Republished by registrant.

QUALCAST

FOR LAWN MOWERS AND PARTS THEREOF.
Claims use since April 1923.

Reg. No. 324,416. Registered May 21, 1935. SAFEGUARD, INC., New York, N. Y. Republished by Safeguard Corporation, Lansdale, Pa., a corporation of Delaware.

FOR MACHINES FOR PROTECTING BANK CHECKS AND OTHER NEGOTIABLE PAPERS.
Claims use since Sept. 8, 1934.

Reg. No. 332,728. Registered Feb. 25, 1936. DUPLEX PRINTING PRESS CO., Battle Creek, Mich. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

CO-OP

FOR TRACTORS.
Claims use since Sept. 10, 1935.

Reg. No. 338,813. Registered Sept. 15, 1936. F. W. WOOLWORTH CO., Watertown and New York, N. Y., a corporation of New York. Republished by registrant.

BLUE BANNER

The drawing is lined for blue.
FOR HAMMERS, SAWS, AND AUGER BITS.
Claims use since Dec. 16, 1935.

Reg. No. 346,653. Registered June 1, 1937. THE ENTERPRISE MANUFACTURING COMPANY OF PENNSYLVANIA, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

"HEALTH FOUNTAIN"

FOR VEGETABLE AND FRUIT JUICE EXTRACTORS.
Claims use since Dec. 1, 1936.

Reg. No. 359,039. Registered Aug. 2, 1938. NATIONAL CO-OPERATIVES, INC., Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP COOPERATIVES

FOR ELECTRIC RAZORS.
Claims use since 1933.

Reg. No. 369,401. Registered July 25, 1939. THE BUCKEYE TRACTION DITCHER COMPANY, Findlay, Ohio. Republished by Gar Wood Industries, Inc., Wayne, Mich., a corporation of Michigan.

Buckeye

FOR DITCH DIGGING MACHINES, CLAY AND SAND DIGGING MACHINES, SOIL PULVERIZING MACHINES, CONCRETE BREAKING MACHINES, TRENCH EXCAVATING MACHINES, HIGHWAY WIDENING MACHINES, SURFACE MATERIAL SPREADING MACHINES, BACKFILLING MACHINES.
Claims use since June 1921.

Reg. No. 378,447. Registered June 11, 1940. NATIONAL

COCK, FAUCET, AND VALVE WASHERS; RIVETS,

CLASS 30

SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS,

Reg. No. 378,447. Registered June 11, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, PAPER CLIPS, FILE POCKETS, FILE TRANSFER CASES, INK WELLS, LEDGERS, CASH BOOKS, MEMORANDUM BOOKS, JOURNALS, ORDER BOOKS, SCRATCH PADS, PENCIL SHARPENERS, DESK PADS, DESK CALENDAR PADS, THUMBTACKS, RUBBER DATING STAMPS, LEAD AND MECHANICAL PENCILS, PENS, WRITING TABLETS, ERASERS, DESK AND HAND BLOTTERS, WRITING AND PRINTING PAPER, TISSUE PAPER, PAPER TOWELS, NAPKINS AND TABLECLOTHS, WALLPAPER, TOILET TISSUE, WRAPPING PAPER, WAX PAPER, SHELF PAPER, ADDING MACHINE ROLLS, STENCIL PAPER, BLANK ADHESIVE LABELS, ADHESIVE TAPE PAPER, ALBUMS, STENCILS, PAPER FILES, LOOSELEAF BINDERS, STRAWBOARD, SCRAPBOOKS, CARDBOARD, FILTER PAPER, AND PAPER CUTTERS.

Claims use since December 1929.

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND CLAMPS; COPPER, BRASS, AND BLOCKED TIN TUBING; SKID CHAINS, HARNESS CHAINS, STEEL STANCHIONS, LOGGING CHAINS, BARBED WIRE, WOVEN FENCE WIRE, METAL POSTS AND FENCE GATES, BALE TIES, BASE METAL TABLE AND COOKING HOLLOW WARE, BASE METAL DRINKING CUPS; WALL SOAP TRAYS, GLASS HOLDERS, TOOTH BRUSH HOLDERS AND BROOM HOLDERS; CHAFING DISHES, METAL CUSPIDORS, POULTRY AND LIVESTOCK DRINKING PANS CONNECTED TO PLUMBING; PRESSURE COOKERS, SEPTIC TOILET BOWLS, CLOSET TANKS; IRON, CAST IRON, AND LEAD PIPE AND PIPE FITTINGS; WATER SOFTENING TANK UNITS, STEEL ROLLER CHAINS, STEEL SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS, SINKS, BATHTUBS, CLOSET BOWLS, URINALS, WASH BOWLS, WASH BASINS, STATIONARY LAUNDRY TUBS, FOOT BATHS, SHOWER FIXTURES, METAL SHOWER BATHS, FAUCETS, WATER CLOSET SEATS, WASTE COCKS, FLUSH TANKS AND PARTS THEREOF, SEPTIC TANKS, METAL SYPHONS; AND PLUMBING, GAS-FITTING, AND STEAM-FITTING VALVES.

Claims use since December 1929.

Reg. No. 421,157. Registered May 21, 1946. GLOBE SLICING MACHINE CO., INC., Stamford, Conn., a corporation of New York. Republished by registrant.

The words "Globe Slicing Machine Co., Inc., New York, U. S. A." and "Slice the Globe Way" are disclaimed apart from the mark as shown.

FOR SLICING MACHINES FOR SLICING MEAT, FISH, CHEESE, FRUITS, VEGETABLES, AND BREAD.

Claims use since on or about March 1925.

Reg. No. 421,162. Registered May 21, 1946. GLOBE SLICING MACHINE CO., INC., Stamford, Conn., a corporation of New York. Republished by registrant.

FOR SLICING MACHINES FOR SLICING MEAT, FISH, CHEESE, FRUITS, VEGETABLES, AND BREAD.

Claims use since on or about June 1931.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Reg. No. 372,773. Registered Nov. 14, 1939. EASTERN OUTFITTING CO. OF LOS ANGELES, CALIF., Los Angeles, Huntington Park, Pasadena, and Long Beach, Calif. Republished by Eastern-Columbia, Inc., Los Angeles, Calif., a corporation of California.

The words "Open Stock," "Pottery," and "Exclusive with Eastern" are disclaimed apart from the mark as shown.

FOR CERAMIC DINNERWARE AND COOKING WARE.

Claims use since Mar. 31, 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND CLAMPS; COPPER, BRASS, AND BLOCKED TIN TUBING; SKID CHAINS, HARNESS CHAINS, STEEL STANCHIONS, LOGGING CHAINS, BARBED WIRE, WOVEN FENCE WIRE, METAL POSTS AND FENCE GATES, BALE TIES, BASE METAL TABLE AND COOKING HOLLOW WARE, BASE METAL DRINKING CUPS; WALL SOAP TRAYS, GLASS HOLDERS, TOOTH BRUSH HOLDERS AND BROOM HOLDERS; CHAFING DISHES, METAL CUSPIDORS, POULTRY AND LIVESTOCK DRINKING PANS CONNECTED TO PLUMBING; PRESSURE COOKERS, SEPTIC TOILET BOWLS, CLOSET TANKS; IRON, CAST IRON, AND LEAD PIPE AND PIPE FITTINGS; WATER SOFTENING TANK UNITS, STEEL ROLLER CHAINS, STEEL SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS, SINKS, BATHTUBS, CLOSET BOWLS, URINALS, WASH BOWLS, WASH BASINS, STATIONARY LAUNDRY TUBS, FOOT BATHS, SHOWER FIXTURES, METAL SHOWER BATHS, FAUCETS, WATER CLOSET SEATS, WASTE COCKS, FLUSH TANKS AND PARTS THEREOF, SEPTIC TANKS, METAL SYPHONS; AND PLUMBING, GAS-FITTING, AND STEAM-FITTING VALVES.

Claims use since December 1929.

CLASS 32

FURNITURE AND UPHOLSTERY

Reg. No. 105,717. Registered Aug. 17, 1915. THE CLEMETSEN COMPANY, Chicago, Ill. Republished by Clemco Desk Mfg. Co., Chicago, Ill., a corporation of Illinois.

"2 in 1"

FOR DESKS, TABLES, STANDS, CABINETS, AND PARTS THEREOF.

Claims use since prior to Jan. 1, 1913.

Reg. No. 105,718. Registered Aug. 17, 1915. THE CLEMETSEN COMPANY, Chicago, Ill. Republished by Clemco Desk Mfg. Co., Chicago, Ill., a corporation of Illinois.

CLEMCO

FOR DESKS, TABLES, STANDS, CABINETS, CHAIRS, AND PARTS THEREOF.

Claims use since Jan. 1, 1902.

Reg. No. 255,457. Registered Apr. 23, 1929. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

VENTURUS

FOR MODERN HOME FURNISHINGS—NAMELY, TABLES, CHAIRS, DIVANS, SOFAS, LOUNGES, DAVENPORTS, BENCHES, STOOLS, OTTOMANS, BEDS, CHESTS OF DRAWERS, CEDAR CHESTS, DRESSERS, BOOKCASES, DESKS, SMOKING STANDS AND TABLES, CUPBOARDS, TABOURETS, CONSOLES, MIRRORS, AND DRESSING SCREENS.

Claims use since Nov. 15, 1927.

Reg. No. 257,977. Registered June 25, 1929. UNITED STATES CABINET BED CO., New York, N. Y. Republished by Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York.

ECLIPSE

FOR BEDS.

Claims use since Oct. 15, 1928.

Reg. No. 297,601. Registered Sept. 20, 1932. CLEMCO DESK MFG. CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

Reg. No. 371,890. Registered Oct. 10, 1939. KAY MANUFACTURING CORPORATION, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

Reg. No. 385,607. Registered Mar. 11, 1941. EASTERN-COLUMBIA, INC., Los Angeles, Huntington Park, and Pasadena, Calif., a corporation of California. Republished by registrant, present address Los Angeles, Calif.

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND

Reg. No. 297,601. Registered Sept. 20, 1932. CLEMCO DESK MFG. CO., Chicago, Ill., a corporation of Illinois. Republished by registrant.

CLEMCOID

FOR DESKS, TABLES, FILING CABINETS FOR OFFICE AND HOUSEHOLD USE.
Claims use since Apr. 28, 1931.

Reg. No. 333,021. Registered Mar. 10, 1936. EASTERN OUTFITTING CO. OF LOS ANGELES, CALIF., Los Angeles, Huntington Park, Pasadena and Long Beach, Calif. Republished by Eastern-Columbia, Inc., Los Angeles, Calif., a corporation of California.

The words "Health Mattress" are disclaimed apart from the mark as shown.
FOR MATTRESSES.
Claims use since Sept. 3, 1935.

Reg. No. 347,931. Registered July 13, 1937. UNITED STATES CABINET BED CO., Brooklyn, N. Y. Republished by Eclipse Sleep Products Inc., Brooklyn, N. Y., a corporation of New York.

BED-HI DAVENTWIN

The term "Bed-Hi" is disclaimed apart from the mark as shown.
FOR BEDS.
Claims use since June 1934.

Reg. No. 367,323. Registered May 9, 1939. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

Double-Tex

FOR MATTRESSES.
Claims use since Jan. 3, 1939.

Reg. No. 371,559. Registered Sept. 26, 1939. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

SLEEPSENTRY

FOR MATTRESSES.
Claims use since May 6, 1939.

Reg. No. 371,890. Registered Oct. 10, 1939. KAY MANUFACTURING CORPORATION, New York and Brooklyn, N. Y., a corporation of New York. Republished by registrant, present address Brooklyn, N. Y.

CENTERPOISE

FOR INNER SPRING UNITS FOR MATTRESSES.
Claims use since Apr. 1, 1939.

Reg. No. 378,447. Registered June 11, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, PAPER CLIPS, FILE POCKETS, FILE TRANSFER CASES, INK WELLS, LEDGERS, CASH BOOKS, MEMORANDUM BOOKS, JOURNALS, ORDER BOOKS, SCRATCH PADS, PENCIL SHARPENERS, DESK PADS, DESK CALENDAR PADS, THUMBTACKS, RUBBER DATING STAMPS, LEAD AND MECHANICAL PENCILS, PENS, WRITING TABLETS, ERASERS, DESK AND HAND BLOTTERS, WRITING AND PRINTING PAPER, TISSUE PAPER, PAPER TOWELS, NAPKINS AND TABLECLOTHS, WALLPAPER, TOILET TISSUE, WRAPPING PAPER, WAX PAPER, SHELF PAPER, ADDING MACHINE ROLLS, STENCIL PAPER, BLANK ADHESIVE LABELS, ADHESIVE TAPE PAPER, ALBUMS, STENCILS, PAPER FILES, LOOSELEAF BINDERS, STRAWBOARD, SCRAPBOOKS, CARDBOARD, FILTER PAPER, AND PAPER CUTTERS.
Claims use since December 1929.

Reg. No. 380,044. Registered Aug. 6, 1940. ROSE-DERBY COMPANY, Newton, Mass., a corporation of Massachusetts. Republished by registrant.

DuBarry

FOR BEDS, BOX SPRINGS, AND MATTRESSES.
Claims use since Feb. 28, 1940.

Reg. No. 385,607. Registered Mar. 11, 1941. EASTERN-COLUMBIA, INC., Los Angeles, Huntington Park, and Pasadena, Calif., a corporation of California. Republished by registrant, present address Los Angeles, Calif.

Cottage

The words "Home Furnishings Planned and Assembled by Anne Adams Exclusively at Eastern-Columbia Stores" are disclaimed apart from the mark as shown.
FOR LIVING ROOM, BEDROOM, AND DINING ROOM FURNITURE, AND UPHOLSTERED FURNITURE OF EVERY KIND AND IN PARTICULAR UPON DRESSERS, BEDS, VANITIES, CHESTS, TABLES, CHAIRS, BUFFETS, DAVENPORTS, OCCASIONAL TABLES, OCCASIONAL CHAIRS, BOOKCASES, DESKS, SECRETARIES, MATTRESSES, AND BED SPRINGS.
Claims use since Aug. 9, 1940.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Reg. No. 130,172. Registered Apr. 13, 1920. THE DENVER FIRE CLAY COMPANY, Denver, Colo., a corporation of Delaware. Republished by registrant.

DFC

FOR BURNERS FOR OIL, GAS, AND OTHER FUELS AND INDUSTRIAL FURNACES USING OIL, GAS, AND GASOLENE FOR FUEL FOR HEATING, MELTING, ROASTING, RETORTING, ANNEALING, TEMPERING, AND ASSAYING.
Claims use since October 1918.

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND CLAMPS; COPPER, BRASS, AND BLOCKED TIN TUBING; SKID CHAINS, HARNESS CHAINS, STEEL STANCHIONS, LOGGING CHAINS, BARBED WIRE, WOVEN FENCE WIRE, METAL POSTS AND FENCE GATES, BALE TIES, BASE METAL TABLE AND COOKING HOLLOW WARE, BASE METAL DRINKING CUPS; WALL SOAP TRAYS, GLASS HOLDERS, TOOTH BRUSH HOLDERS AND BROOM HOLDERS; CHAFING DISHES, METAL CUSPIDORS, POULTRY AND LIVESTOCK DRINKING PANS CONNECTED TO PLUMBING; PRESSURE COOKERS, SEPTIC TOILET BOWLS, CLOSET TANKS; IRON, CAST IRON, AND LEAD PIPE AND PIPE FITTINGS; WATER SOFTENING TANK UNITS, STEEL ROLLER CHAINS, STEEL SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS, SINKS, BATHTUBS, CLOSET BOWLS, URINALS, WASH BOWLS, WASH BASINS, STATIONARY LAUNDRY TUBS, FOOT BATHS, SHOWER FIXTURES, METAL SHOWER BATHS, FAUCETS, WATER CLOSET SEATS, WASTE COCKS, FLUSH TANKS AND PARTS THEREOF, SEPTIC TANKS, METAL SYPHONS; AND PLUMBING, GAS-FITTING, AND STEAM-FITTING VALVES.
Claims use since December 1929.

Reg. No. 386,642. Registered Apr. 22, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR ELECTRICALLY OPERATED APPARATUS AND PARTS THEREOF—NAMELY, LIGHTING FIXTURES, FARM LIGHTING PLANTS AND PARTS THEREOF, INCANDESCENT LAMPS, WIRES, EXTENSION CORD, CONDUITS, SWITCHES, SWITCH PLATES, PLUGS, SOCKETS, FLASHLIGHTS, TRANSFORMERS, ARC LAMPS, FUSES, PORCELAIN INSULATORS, LIGHTNING RODS AND ARRESTORS, MAGNETS, PLOWS, RHEOSTATS, WALL PLATES, WALL AND CEILING LIGHTS, MOTORS, GENERATORS, STORAGE BATTERIES, DRY CELL BATTERIES, INSULATING TAPE, RADIO RECEIVING SETS AND PARTS THEREOF, EGG COOKERS, SADIRONS, HOT PLATES FOR COOKING PURPOSES, SUCTION CLEANERS, WAFFLE IRONS, FOOD MIXERS, FOOD CHOPPERS, VENTILATING FANS, CIGAR LIGHTERS, CURLING IRONS, COFFEE PERCOLATORS, TOASTERS, DOOR BELLS, HEATING STOVES AND RANGES, COOKING STOVES, WATER HEATERS, INTEROFFICE TELEPHONE COMMUNICATING SETS, SOLDERING IRONS, TOOL GRINDERS, PORTABLE HAND TYPE DISC AND BAND SAWS, HAND DRILLS; BRIDGE, FLOOR, TABLE, AND BED LAMPS; BURGLAR AND FIRE ALARMS, RADIATORS FOR HEATING PURPOSES, ROASTERS; AUTO SPARK PLUGS, HORNS, IGNITION SYSTEMS, HEAD LIGHTS, TAIL LIGHTS, STOP LIGHTS, FOG LAMPS, BATTERY CABLES, CONDENSERS, COILS, ELECTRIC STARTERS, AUTO

HEATERS, DISTRIBUTOR POINTS, TIMERS, BATTERY CONNECTORS, AND BATTERY CABLE TERMINALS, FENCE CONTROLLERS, AND CLAMPS.

CLASS 37

PAPER AND STATIONERY

Reg. No. 169,174. Registered June 12, 1923. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

Reg. No. 276,613. Registered Oct. 21, 1930. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

HEATERS, DISTRIBUTOR POINTS, TIMERS, BATTERY CONNECTORS, AND BATTERY CABLE TERMINALS, FENCE CONTROLLERS, AND CLAMPS.
Claims use since December 1929.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Reg. No. 321,984. Registered Feb. 19, 1935. THE BELMONT PACKING & RUBBER COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

THE BELMONT PACKING & RUBBER CO. — BELMONT — PHILADELPHIA, U.S.A.

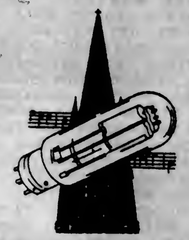
The geographical term "Philadelphia, U. S. A." is disclaimed apart from the mark as shown.
FOR PACKING AND PACKING MATERIAL MADE OF ASBESTOS, RUBBER, COTTON, FLAX, COPPER, LEAD, IRON, AND VARIOUS COMBINATIONS THEREOF—NAMELY, THOSE KNOWN AS STEAM, HIGH PRESSURE STEAM, HOT WATER, HYDRAULIC, ACID, AMMONIA, AND AIR PACKINGS; GASKETS, HOSE AND FLEXIBLE CONDUITS; DIAPHRAGMS OF RUBBER AND RUBBER AND COTTON; TWISTED, BRAIDED, AND WOVEN ASBESTOS; PUMP VALVES, AND VALVE DISCS; AND BELTING.
Claims use since Mar. 21, 1932.

Reg. No. 398,729. Registered Nov. 17, 1942. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio. Republished by The Dayton Rubber Company, Dayton, Ohio, a corporation of Ohio.

Thorobred

FOR V-SHAPED BELTING FOR POWER TRANSMISSION.
Claims use since Apr. 7, 1942.

Reg. No. 433,936. Registered Nov. 4, 1947. SCHULMERICH ELECTRONICS, INC., Sellersville, Pa., a corporation of Pennsylvania. Republished by registrant.



The representation of the electronic tube is disclaimed apart from the mark as shown.
FOR ELECTRICALLY OPERATED CARILLON OR CHIMES, AND MECHANICALLY GROOVED PHONOGRAPH RECORDS.
Claims use since on or about Sept. 30, 1940.

CLASS 37

PAPER AND STATIONERY

Reg. No. 118,236. Registered Oct. 10, 1916. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Republished by Eaton Paper Corporation, Pittsfield, Mass., a corporation of Massachusetts.

EATONIA

FOR WRITING PAPER, PRINTING PAPER, AND ENVELOPES.
Claims use since Mar. 15, 1916.

Reg. No. 115,376. Registered Feb. 6, 1917. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.

The words "Toilet Tissue" and "Old Irish Linen" are disclaimed apart from the mark as shown.
FOR PAPER TABLE-CLOTH, TOILET PAPER IN ROLLS, PAPER TOWELING IN ROLLS, INTERFOLDED PACKS OF PAPER TABLE-CLOTH, INTERFOLDED PACKS OF TOILET PAPER, AND INTERFOLDED PACKS OF PAPER TOWELING.
Claims use since June 5, 1914.

Reg. No. 137,669. Registered Nov. 30, 1920. OSBORN PAPER COMPANY, Marion, Ind., a corporation of Indiana. Republished by registrant.

SOSMOOTH

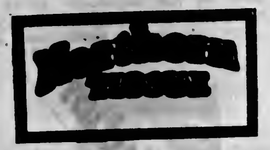
FOR WRITING AND PRINTING PAPERS AND WRITING TABLETS.
Claims use since September 1917.

Reg. No. 154,001. Registered Apr. 4, 1922. COAST ENVELOPE COMPANY, Los Angeles, Calif. Republished by Coast Envelope Company (1947), Los Angeles, Calif., a corporation of California.

COASTMADE

FOR CORRESPONDENCE ENVELOPES.
Claims use since 1917.

Reg. No. 169,174. Registered June 12, 1923. NORTHERN PAPER MILLS, Green Bay, Wis., a corporation of Wisconsin. Republished by registrant.



The word "Tissue" is disclaimed apart from the mark as shown.
FOR TOILET PAPER.
Claims use since Oct. 15, 1919.

Reg. No. 176,435. Registered Nov. 27, 1923. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

SNOWFLAKE WADDING

The word "Wadding" is disclaimed apart from the mark as shown.
FOR PAPER WADDING.
Claims use since May 11, 1923.

Reg. No. 218,844. Registered Oct. 5, 1926. DUPLEX ENVELOPE CO. INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

HOMIL-OPE

FOR CHURCH CONTRIBUTION ENVELOPES.
Claims use since on or about Feb. 1, 1926.

Reg. No. 268,240. Registered Mar. 11, 1930. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR COMPOSITION BOOKS, SHELF PAPER, WAX PAPER, GUMMED TAPE PAPER, PAPER TABLETS, TISSUE CLEANSING PAPER, PENCILS.
Claims use since December 1922.

Reg. No. 272,106. Registered July 1, 1930. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Republished by Eaton Paper Corporation, Pittsfield, Mass., a corporation of Massachusetts.

EATON'S HIGHLAND VELLUM

The word "Vellum" is disclaimed apart from the mark as shown.
FOR PAPETERIES, CORRESPONDENCE CARDS, WRITING TABLETS, CORRESPONDENCE AND MAILING ENVELOPES, AND WRITING PAPER INCLUDING POUND GOODS.
Claims use since July 16, 1929.

Reg. No. 276,613. Registered Oct. 21, 1930. AMERICAN LACE PAPER COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Republished by registrant.

Decolins

FOR PAPER NAPKINS.
Claims use since Feb. 27, 1930.

Reg. No. 291,905. Registered Feb. 23, 1932. STEVENS & THOMPSON PAPER CO., North Hoosier, N. Y., a corporation of New York. Republished by registrant, present address Greenwich, N. Y.

Nu-Pak

FOR TOILET PAPER.
Claims use since Sept. 15, 1931.

Reg. No. 294,876. Registered June 7, 1932. NEWS PROJECTION CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CLEARO

FOR PAPER TAPE FOR TELEGRAPH PRINTERS.
Claims use since Nov. 20, 1931.

Reg. No. 317,107. Registered Sept. 11, 1934. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

CORRASABLE

FOR WRITING PAPER, ENVELOPES, POUND OR BULK WRITING PAPER.
Claims use since Mar. 31, 1934.

Reg. No. 323,589. Registered Apr. 23, 1935. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

EATON'S HIGHLAND RIPPLE

The word "Ripple" is disclaimed apart from the mark as shown.
FOR STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS, ENVELOPES, AND PAPETERIES.
Claims use since Apr. 18, 1934.

Reg. No. 335,181. Registered May 26, 1936. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

EATON'S HIGHLAND LAID

The word "Laid" is disclaimed apart from the mark as shown.
FOR STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS, ENVELOPES, AND PAPETERIES.
Claims use since Apr. 18, 1934.

Reg. No. 333,004. Registered Aug. 25, 1936. EATON

Reg. No. 355,664. Registered Mar. 22, 1938. DOMESTIC

CLASS 39

Reg. No. 125,992. Registered Oct. 26, 1920. W. M. FINCK & COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

Reg. No. 333,604. Registered Aug. 25, 1936. EATON PAPER CORPORATION, Pittsfield, Mass., a corporation of Massachusetts. Republished by registrant.

eaton's pensmooth

FOR PAPETERIES, INCLUDING POUND PAPERS AND BULK ENVELOPES.
Claims use since Jan. 2, 1936.

Reg. No. 378,447. Registered June 11, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

NATIONAL CO-OP

FOR INDEX CARDS, LETTER AND CARD INDEXES, CRAYONS, CHALK, TRACING CLOTH AND PAPER, DIARIES, ENVELOPES, RUBBER BANDS, PAPER CLIPS, FILE POCKETS, FILE TRANSFER CASES, INK WELLS, LEDGERS, CASH BOOKS, MEMORANDUM BOOKS, JOURNALS, ORDER BOOKS, SCRATCH PADS, PENCIL SHARPENERS, DESK PADS, DESK CALENDAR PADS, THUMBTACKS, RUBBER DATING STAMPS, LEAD AND MECHANICAL PENCILS, PENS, WRITING TABLETS, ERASERS, DESK AND HAND BLOTTERS, WRITING AND PRINTING PAPER, TISSUE PAPER, PAPER TOWELS, NAPKINS AND TABLECLOTHS, WALLPAPER, TOILET TISSUE, WRAPPING PAPER, WAX PAPER, SHELF PAPER, ADDING MACHINE ROLLS, STENCIL PAPER, BLANK ADHESIVE LABELS, ADHESIVE TAPE PAPER, ALBUMS, STENCILS, PAPER FILES, LOOSELEAF BINDERS, STRAWBOARD, SCRAPBOOKS, CARDBOARD, FILTER PAPER, AND PAPER CUTTERS.
Claims use since December 1929.

CLASS 38

PRINTS AND PUBLICATIONS

Reg. No. 286,898. Registered Sept. 8, 1931. NORWEGIAN LUTHERAN CHURCH OF AMERICA, Minneapolis, Minn. Republished by The Evangelical Lutheran Church, Minneapolis, Minn., a corporation of Minnesota.

LUTHERAN HERALD

FOR PERIODICAL PUBLICATION.
Claims use since Jan. 6, 1931.

Reg. No. 355,664. Registered Mar. 22, 1938. DOMESTIC ENGINEERING COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Installations

FOR PERIODICAL.
Claims use since Nov. 10, 1937.

Reg. No. 389,921. Registered Aug. 26, 1941. LOUIS G. COWAN, Chicago, Ill. Republished by registrant, present address New York, N. Y.

QUIZ KIDS

FOR SCRIPTS FOR A SERIES OF RADIO BROADCASTS, SOLD AS A PUBLICATION IN TRADE.
Claims use since June 24, 1940.

Reg. No. 395,268. Registered May 19, 1942. EASTERN-COLUMBIA, INC., Los Angeles and Huntington Park, Calif., a corporation of California. Republished by registrant, present address Los Angeles, Calif.

foto plan — EASTERN-COLUMBIA — LOS ANGELES

The words "Los Angeles," "Foto Plan," and "Columbia" are disclaimed apart from the mark as shown.
FOR PHOTOGRAPHIC PRINTS OF FURNITURE LAID OUT IN MINIATURE FORM IN VARIOUS ROOMS OF DWELLINGS.
Claims use since Sept. 2, 1941.

CLASS 39

CLOTHING

Reg. No. 97,263. Registered May 26, 1914. LEOPOLD MORSE COMPANY, Boston, Mass., a corporation of Massachusetts. Republished by registrant.

The words "Clothes," "Boston," "Leopold Morse Company" are disclaimed apart from the mark as shown.
FOR MEN'S, YOUTHS', AND BOYS' SUITS AND OVERCOATS.
Claims use since July 1, 1913.

Reg. No. 103,935. Registered Apr. 20, 1915. THE ANATOMIK FOOTWEAR COMPANY, New York, N. Y., a corporation of New York. Republished by registrant.

Anatomik

FOR BOOTS, SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER.
Claims use since Nov. 20, 1906.

Reg. No. 129,755. Registered Mar. 9, 1920. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

Pennant

FOR HANDKERCHIEFS.
Claims use since July 19, 1919.

Reg. No. 135,634. Registered Oct. 19, 1920. CHIPMAN KNITTING MILLS, Easton, Pa. Republished by F. W. Woolworth Co., Watertown and New York, N. Y., a corporation of New York.

Primrose

FOR HOSIERY FOR MEN, WOMEN, AND CHILDREN.
Claims use since Mar. 1, 1920.

Reg. No. 135,992. Registered Oct. 26, 1920. W. M. FINCK & COMPANY, Detroit, Mich., a corporation of Michigan. Republished by registrant.

FOR WORK CLOTHING—NAMELY, OVERALLS, WORK-PANTS, COATS FOR OVERALLS, AND ONE-PIECE COMBINATIONS.
Claims use since Apr. 10, 1902.

Reg. No. 148,364. Registered Nov. 15, 1921. BRANIGAN, GREEN & CO., Baltimore, Md. Republished by Branigan, Green & Co., Baltimore, Md., a partnership (1945).

"MAN O'WAR"

FOR MEN'S, WOMEN'S, AND CHILDREN'S DRAWERS, MIDDY-BLOUSES, PAJAMAS, UNION-SUITS, AND UNDERSHIRTS; MEN'S AND CHILDREN'S NIGHTSHIRTS; MEN'S DRESS, NEGLIGEE, AND WORKSHIRTS; WOMEN'S AND CHILDREN'S BLOUSES, DRESSES, MIDDY-SUITS, NIGHT GOWNS, PETTICOATS, OVER AND UNDERSKIRTS; WOMEN'S BRASSIERES, CHEMISE, COMBINATION-GARMENTS, KIMONOS, LINGERIE, NEGLIGEES, SHIRT WAISTS, UNDERVESTS, AND WRAPPERS, AND CHILDREN'S ROMPERS.
Claims use since Feb. 10, 1921.

Reg. No. 187,084. Registered July 29, 1924. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

CAMPUS

FOR HANDKERCHIEFS.
Claims use since Mar. 15, 1924.

Reg. No. 187,086. Registered July 29, 1924. THE INTERNATIONAL HANDKERCHIEF MFG. CO., New York, N. Y., a corporation of New York. Republished by registrant.

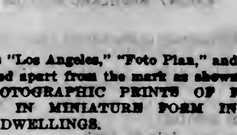
SENIOR

FOR HANDKERCHIEFS.
Claims use since Mar. 15, 1924.

Reg. No. 219,684. Registered Oct. 19, 1926. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant.

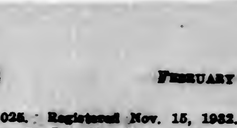
FOR DRESSES, SKIRTS, BLOUSES, SWEATERS, AND SPORTSWEAR.
Claims use since Jan. 1, 1926.

Reg. No. 299,025. Registered Nov. 15, 1932. JOS. S. COHEN & SONS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.



FOR MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING, NAMELY, SUITS, COATS, TROUSERS, SKIRTS, DRESSES, SWEATERS, SPORTSWEAR, AND UNDERWEAR.
Claims use since Nov. 1, 1932.

Reg. No. 324,181. Registered May 14, 1935. WITCHELL-SHEILL CO., Chicago, Ill. Republished by The Athletic Shoe Company, Chicago, Ill., a corporation of Illinois.



FOR SHOES.
Claims use since Jan. 1, 1935.

Reg. No. 335,891. Registered June 2, 1936. VOLK BROS. COMPANY, INC., Dallas, Tex. Republished by J. P. Smith Shoe Company, Chicago, Ill., a corporation of Illinois.

FOR SHOES.
Claims use since Jan. 1, 1936.

Reg. No. 219,684. Registered Oct. 19, 1926. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

Margm

FOR WOMEN'S AND MISSES' COATS, SUITS, AND DRESSES.
Claims use since Feb. 28, 1926.

Reg. No. 228,557. Registered June 7, 1927. THE HECHT COMPANY, Washington, D. C., and Baltimore, Md., a corporation of Maryland. Republished by registrant, present address Washington, D. C.

Wakely

The word "Wakely" is disclaimed apart from the mark as shown.
FOR MEN'S AND BOYS' SUITS AND DRESS SUITS, INCLUDING COATS, VESTS, AND TROUSERS, AND MEN'S AND BOYS' TOP COATS AND OVERCOATS.
Claims use since Nov. 5, 1926.

Reg. No. 237,210. Registered Jan. 3, 1928. THE APPLEBAUM-MAUTNER COMPANY, INC., Champaign, Ill. Republished by Applebaum-Mautner Company, Inc., Madison, Wis., a corporation of Wisconsin.

DuBarry

FOR BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF.
Claims use since Feb. 9, 1927.

Reg. No. 279,562. Registered Jan. 20, 1931. BONS DRY SHOE MANUFACTURING COMPANY, Tacoma, Wash., a corporation of Washington. Republished by registrant.

Paul Bunyan

FOR LEATHER LOGGER SHOES.
Claims use since Mar. 1, 1930.

Reg. No. 299,025. Registered Nov. 15, 1932. JOS. S. COHEN & SONS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Winnie Mae FROCKS

The words "For All Day Wear" and "Frocks" are disclaimed apart from the mark as shown.
FOR WOMEN'S AND CHILDREN'S DRESSES, SUITS, PAJAMAS, OVERALLS, AND SMOCKS.
Claims use since June 19, 1931.

Reg. No. 299,939. Registered Jan. 3, 1933. FERRY HATS, INC., Newark, N. J., a corporation of Delaware. Republished by registrant.

Colby fifth Ave. N.Y. fine felts

The words "Fine Felts" and "Fifth Ave., N. Y." are disclaimed apart from the mark as shown.
FOR MEN'S FELT HATS.
Claims use since July 1, 1932.

Reg. No. 314,405. Registered June 26, 1934. BERGER'S INC., San Francisco, Calif. Republished by The Joseph and Feiss Co., Cleveland, Ohio, a corporation of Ohio.

Townster

FOR WEARING APPAREL FOR MEN—NAMELY, HATS, SUITS, AND OVERCOATS.
Claims use since August 1927.

Reg. No. 316,068. Registered Aug. 14, 1934. FERRY HATS, INC., Newark, N. J., a corporation of Delaware. Republished by registrant.

CAMEO PATTERNED Felts NEW YORK

The words "Patterned Felts" and "New York" are disclaimed apart from the mark as shown.
FOR MEN'S FELT HATS.
Claims use since Feb. 28, 1934.

Reg. No. 324,161. Registered May 14, 1935. WITCHELL-SNELL CO., Chicago, Ill. Republished by The Athletic Shoe Company, Chicago, Ill., a corporation of Illinois.

SPOT O BILT

FOR ATHLETIC SHOES, AND MORE PARTICULARLY SHOES OF THE FOLLOWING TYPES: FOOTBALL, BASEBALL, TRACK, BASKETBALL, GYM, HANDBALL, SNEAKERS, JUMPING, FIELD, CREW, BOWLING, BOXING, SKATING, WRESTLING, TENNIS, GOLF, SOCCER, SOFTBALL, AND BICYCLE.
Claims use since Jan. 1, 1934.

Reg. No. 325,076. Registered June 11, 1935. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Bonnie Bright SPARKLING WITH YOUTH

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, APRONS, FROCKS, AND PAJAMAS.
Claims use since Jan. 11, 1934.

Reg No. 328,482. Registered Oct. 1, 1935. JOS. S. COHEN & SONS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Virginia Gay FROCKS

The word "Frocks" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' FROCKS AND DRESSES.
Claims use since Mar. 15, 1934.

Reg. No. 330,023. Registered Nov. 19, 1935. JOHN WANAMAKER NEW YORK, New York, N. Y., a corporation of New York. Republished by registrant.

Broad-Tread

The words "Broad-Tread" are disclaimed apart from the mark as shown.
FOR SHOES MADE OF LEATHER OR OF RUBBER OR FABRIC OR OF COMBINATIONS OF THOSE MATERIALS.
Claims use since Jan. 26, 1934.

Reg. No. 335,891. Registered June 2, 1936. VOLK BROS. COMPANY, INC., Dallas, Tex. Republished by J. P. Smith Shoe Company, Chicago, Ill., a corporation of Illinois.

BRITISH WALKERS

FOR SHOES MADE OF RUBBER, LEATHER, FABRIC, OR COMBINATION OF THOSE MATERIALS.
Claims use since Nov. 1, 1934.

Reg. No. 345,776. Registered May 4, 1937. THE HECHT COMPANY, Baltimore, Md., Washington, D. C., and New York, N. Y., a corporation of Maryland. Republished by registrant, present address, Washington, D. C.

Park Manor

FOR WOMEN'S COATS AND SUITS.
Claims use since Aug. 28, 1936.

Reg. No. 353,854. Registered Jan. 18, 1938. A. E. NETTLETON COMPANY, Syracuse, N. Y., a corporation of New York. Republished by registrant.

LOAFER

FOR LADIES', MEN'S, AND BOYS' SHOES MADE OF LEATHER, RUBBER, FABRIC, AND VARIOUS COMBINATIONS OF SUCH MATERIALS.
Claims use since Feb. 1, 1937.

Reg. No. 360,852. Registered Sept. 27, 1938. JOS. S. COHEN & SONS CO. INC., New York, N. Y., a corporation of New York. Republished by registrant.

Good Housekeeper

FOR WOMEN'S, MISSES', AND CHILDREN'S DRESSES, FROCKS, PAJAMAS, SMOCKS, APRONS, HOSTESS COATS.
Claims use since Apr. 29, 1938.

Reg. No. 369,162. Registered July 18, 1939. KUTTNER-DE COSTA & CO., Philadelphia, Pa. Republished by Kuttner De Costa & Co., Inc., Philadelphia, Pa., a corporation of Pennsylvania.

San Anita

FOR LADIES' BLOUSES, DRESSES, AND SUITS.
Claims use since Dec. 1, 1938.

Reg. No. 370,743. Registered Sept. 5, 1939. C. P. FORD & Co., Rochester, N. Y. Republished by M. Cohen & Sons Shoes, Inc., New York, N. Y., a corporation of New

Reg. No. 239,063. Registered Feb. 21, 1928. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

CLASS 43

THREAD AND YARN

Reg. No. 190,727. Registered Oct. 21, 1924. HEKMAN BISCUIT COMPANY, Grand Rapids, Mich. Republished by Pies-Zing, Inc., Chicago, Ill., a corporation of Dela-

Reg. No. 370,742. Registered Sept. 5, 1939. C. P. FORD & Co., Rochester, N. Y. Republished by M. Cohen & Sons Shoes, Inc., New York, N. Y., a corporation of New York.

SHENANIGAN

FOR WOMEN'S SHOES OF LEATHER OR OF COMBINATIONS OF LEATHER AND FABRIC.
Claims use since Apr. 12, 1938.

Reg. No. 380,541. Registered Aug. 27, 1940. THE ATHLETIC SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Rest-Rite
COMFORT SLIPPERS

The words "Comfort Slippers" are disclaimed apart from the mark as shown.
FOR SLIPPERS FORMED OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since Dec. 1, 1928.

Reg. No. 415,931. Registered Aug. 21, 1945. J. P. SMITH SHOE COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

The word "British" is disclaimed apart from the mark as shown.
FOR MEN'S SHOES MADE OF COMBINATIONS OF LEATHER, FABRIC, AND RUBBER.
Claims use since Jan. 15, 1940.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS, AND SUBSTITUTES THEREFOR

Reg. No. 119,315. Registered Nov. 13, 1917. HUNTER MANUFACTURING AND COMMISSION COMPANY, New York, N. Y., and Greensboro, N. C. Republished by Father George Mills, Inc., Sanford, N. C., a corporation of North Carolina.

FATHER GEORGE

FOR COTTON PIECE GOODS IN THE GRAY.
Claims use since November 1900.

Reg. No. 239,062. Registered Feb. 21, 1928. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

SOFT SPUN

FOR SHEETS.
Claims use since 1892.

Reg. No. 335,886. Registered June 16, 1936. IRVINGTON VARNISH & INSULATOR COMPANY, Irvington, N. J., a corporation of New Jersey. Republished by registrant.

The representation of the roll of fabric is disclaimed apart from the mark as shown.
FOR MOISTURE-PROOF INTERLEAVING FABRIC.
Claims use since about Aug. 22, 1935.

Reg. No. 380,843. Registered Sept. 3, 1940. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

ELEMENT

FOR WATER REPELLENT COTTON PIECE GOODS.
Claims use since June 1938.

Reg. No. 400,318. Registered Mar. 2, 1943. A. DAVIS & SONS, INC., New York, N. Y., a corporation of New York. Republished by registrant.

GOLFLEX

FOR KNITTED WOOLEN JERSEY FABRICS IN THE PIECE.
Claims use since July 1941.

Reg. No. 407,174. Registered May 23, 1944. SEA ISLAND MILLS, INCORPORATED, New York, N. Y., a corporation of New York. Republished by registrant.

FORESTCREAM

FOR PIECE GOODS MADE OF A MIXTURE OF RAYON AND PROTEIN FIBRES.
Claims use since June 15, 1942.

Reg. No. 204,064. Registered Oct. 6, 1925. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Republished by Escondido Orange Association, Escondido, Calif., a corporation of California.

Reg. No. 221,053. Registered Nov. 23, 1926. WHOLESALE GROCERS EXCHANGE, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

CLASS 43

THREAD AND YARN

Reg. No. 436,064. Registered Jan. 20, 1948. JANUARY AND WOOD COMPANY, Maysville, Ky., a corporation of Kentucky. Republished by registrant.

HOME-TIES

FOR COTTON YARN AND WARP.
Claims use since on or about January 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Reg. No. 83,188. Registered Aug. 22, 1911. SIBER, GORMAN & COMPANY LIMITED, London, England, a corporation of Great Britain. Republished by registrant, present address Tolworth, Surrey, England.

PROTO

FOR BREATHING APPARATUS FOR USE IN MINES AND OTHER PLACES WHERE THE AIR IS IRRESPIRABLE.
Claims use since 1909.

Reg. No. 410,283. Registered Nov. 14, 1944. C. GILBERT WALLWORTH & Co., Philadelphia, Pa., a firm. Republished by registrant.

WALLCOWASTE

FOR SURGICAL WASTE FOR USE IN PRESSURE DRESSINGS.
Claims use since June 13, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Reg. No. 177,299. Registered Dec. 18, 1923. THE DEFIANCE DAIRY PRODUCTS COMPANY, Defiance, Ohio. Republished by Defiance Milk Products Company, Defiance, Ohio, a corporation of Ohio.

DEFIANCE

FOR EVAPORATED MILK.
Claims use since Apr. 3, 1922.

Reg. No. 189,679. Registered Sept. 23, 1924. R. E. COTTER Co., San Francisco, Calif. Republished by Bristol Bay Packing Company, Seattle, Wash., a corporation of California.

SEABEST

FOR CANNED FISH.
Claims use since Feb. 1, 1924.

Reg. No. 190,727. Registered Oct. 21, 1924. HEKMAN BISCUIT COMPANY, Grand Rapids, Mich. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

Pleas-U

FOR COOKIE CAKES, CRACKERS.
Claims use since October 15, 1922.

Reg. No. 193,051. Registered Dec. 16, 1924. KEHOE PRESERVING CO., Clay City, Ind., a corporation of Indiana. Republished by registrant, present address Terre Haute, Ind.

MINTALADE

FOR MINT SAUCE.
Claims use since about Aug. 1, 1920.

Reg. No. 197,728. Registered Apr. 21, 1925. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

GOLD CUP

FOR FRESH CITRUS FRUITS.
Claims use since Oct. 4, 1924.

Reg. No. 201,354. Registered July 21, 1925. ARIZONA ORCHARD COMPANY, Phoenix, Ariz. Republished by Dale Bumstead, Peoria, Ariz.

The word "Brand" is disclaimed apart from the mark as shown.
FOR FRESH GRAPES, FRESH CITRUS FRUITS, DRIED DATES.
Claims use since June 9, 1924.

Reg. No. 204,054. Registered Oct. 6, 1925. CORTEZ GROWERS ASSOCIATION, Cortez and Turlock, Calif., a corporation of California. Republished by registrant, present address Turlock, Calif.

CORTEZ

The name "Cortez" is disclaimed apart from the mark as shown.
FOR FRESH GRAPES.
Claims use since Apr. 20, 1925.

Reg. No. 223,845. Registered Oct. 11, 1927. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

Reg. No. 262,271. Registered Oct. 1, 1929. THE WEFFNER WEIL COMPANY, Cleveland, Ohio. Republished by Weil & Company, Cleveland, Ohio, a corporation of Ohio.

Reg. No. 204,064. Registered Oct. 6, 1925. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Republished by Escondido Orange Association, Escondido, Calif., a corporation of California.

FREEDOM

FOR ORANGES AND GRAPEFRUIT.
Claims use since June 13, 1923.

Reg. No. 207,279. Registered Dec. 29, 1925. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Republished by Escondido Orange Association, Escondido, Calif., a corporation of California.

LIBERTY

FOR ORANGES AND GRAPEFRUIT.
Claims use since Jan. 16, 1909.

Reg. No. 209,605. Registered Feb. 23, 1926. H P COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

KNAPSACK

FOR COFFEE.
Claims use since May 9, 1898.

Reg. No. 212,887. Registered May 18, 1926. PANGBURN COMPANY, INC., Fort Worth, Tex., a corporation of Texas. Republished by registrant.

FOR ICE CREAMS AND SHERBETS.
Claims use since May 1, 1923.

Reg. No. 221,052. Registered Nov. 23, 1926. WHOLESALE GROCERS EXCHANGE, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

Just Suits

FOR CANNED FRUITS, CANNED VEGETABLES, COFFEE, TOMATO CATSUP, TEA, SPICES, COCOA, AND MAYONNAISE.
Claims use since Apr. 3, 1926.

Reg. No. 221,053. Registered Nov. 23, 1926. WHOLESALE GROCERS EXCHANGE, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

Fairfax Hall

FOR TEA, CANNED FRUITS, CANNED VEGETABLES, TOMATO CATCHUP, SPICES, COFFEE, VINEGAR, COCOA, MAYONNAISE, OATMEAL, ALIMENTARY PASTES, AND RICE.
Claims use since Mar. 8, 1926.

Reg. No. 221,054. Registered Nov. 23, 1926. WHOLESALE GROCERS EXCHANGE, INC., Richmond, Va., a corporation of Virginia. Republished by registrant.

William Byrd

FOR CANNED FRUITS, CANNED VEGETABLES, TOMATO CATCHUP, COFFEE, MAYONNAISE, TEA, SPICES, VINEGAR, COCOA, AND RICE.
Claims use since Apr. 3, 1926.

Reg. No. 222,808. Registered Jan. 11, 1927. LIEUX BROS., New Rhoads, La. Republished by Morning Treat Coffee Co., Inc., Baton Rouge, La., a corporation of Louisiana.

MORNING TREAT

FOR COFFEE.
Claims use since March 1925.

Reg. No. 226,002. Registered Mar. 29, 1927. E. LAZENBY & SON, LIMITED, London, England. Republished by The Crosse & Blackwell Company, Baltimore, Md., a corporation of Maryland.

CHEF

FOR THICK SAUCE FOR USE ON MEATS OR FISH OR IN SOUPS.
Claims use since July 1902.

Reg. No. 226,235. Registered Apr. 5, 1927. THE PLEE-ZING CORPORATION, New York, N. Y., and Savannah, Ga., assignor to The Plee-Zing Corporation, Richmond, Va. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR BROWN BREAD.
Claims use since Nov. 8, 1926.

Reg. No. 229,297. Registered June 21, 1927. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Republished by International Salt Company, Scranton, Pa., a corporation of New Jersey.

LION

FOR SALT.
Claims use since Feb. 15, 1926.

Reg. No. 233,845. Registered Oct. 11, 1927. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

Hopi

FOR FRESH CITRUS FRUIT.
Claims use since May 17, 1927.

Reg. No. 256,588. Registered May 21, 1929. THE WEPPNER WELL COMPANY, Cleveland, Ohio. Republished by Well & Company, Cleveland, Ohio, a corporation of Ohio.

Don-De

FOR COFFEE.
Claims use since Jan. 29, 1929.

Reg. No. 260,339. Registered Aug. 20, 1929. GEORGE W. SIMMONS CORPORATION, New York, N. Y. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR DRIED PRUNES, DRIED PEACHES, DRIED APRICOTS, DRIED APPLES, MINCEMEAT, CANNED SALMON, CANNED SARDINES, CANNED SHRIMP, CANNED LOBSTER, OLIVE OIL, PICKLES, PREPARED MUSTARD, VINEGAR, SPICES, MAPLE, CANE, AND GEORGIA CANE SYRUP, MOLASSES, SHREDDED COCOANUT, CHOCOLATE, TEA, SPAGHETTI, MACARONI, NOODLES, PLUM PUDDING, FIG PUDDING, CANNED HOMINY, ROLLED OATS,, CORN FLAKES, RICE, WHEAT FLOUR, PREPARED FLOUR, CANNED VIENNA SAUSAGE, CANNED POTTED-MEAT PRODUCTS, CANNED CORN BEEF, CANNED CORN-BEEF HASH, CANNED SLICED DRIED BEEF, CANNED BRAINS, CANNED TONGUE, MARASCHINO-STYLE RED CHERRIES IN GLASS, MINT GREEN CHERRIES IN GLASS, APPLE BUTTER, CANNED PORK AND BEANS, CANNED RED KIDNEY BEANS, CORN GRITS, MALT SYRUP.
Claims use since February 1925.

Reg. No. 261,488. Registered Sept. 17, 1929. F. A. MARTOCCIO COMPANY, doing business as Hollywood Candy Co., Minneapolis, Minn. Republished by Hollywood Brands, Inc., Centralia, Ill., a corporation of Minnesota.

MILK SHAKE

FOR CANDY BARS.
Claims use since September 1927.

Reg. No. 262,271. Registered Oct. 1, 1929. THE WEPPNER WELL COMPANY, Cleveland, Ohio. Republished by Well & Company, Cleveland, Ohio, a corporation of Ohio.

BON JOUR

FOR COFFEE.
Claims use since Sept. 20, 1948.

Reg. No. 266,683. Registered Jan. 28, 1930. EXETER CITRUS ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.

ORBIT

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 5, 1925.

Reg. No. 269,472. Registered Apr. 8, 1930. GEORGE W. SIMMONS CORPORATION, New York, N. Y., assignor to George W. Simmons Corporation, a corporation of Missouri. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

SWORD

FOR APPLE BUTTER, BACON, BONED-CHICKEN PRODUCTS, BREAD, BUTTER, CANNED APPLES, CANNED BERRIES; CANNED MEATS—NAMELY, BRAINS, CORNED BEEF, CORNED-BEEF HASH, HAMBURGER STEAK AND ONIONS; POTTED-MEAT PRODUCTS, SLICED DRIED BEEF, TONGUE, SAUSAGE, AND VIENNA SAUSAGE, CANNED PLUMS; CANNED VEGETABLES—NAMELY, CARROTS, LIMA BEANS, MIXED VEGETABLES, OKRA (WHOLE AND CUT), OKRA AND TOMATOES, PUMPKIN, RED BEANS, SQUASH AND SWEET POTATOES, CANNED SHELLFISH—NAMELY, CLAMS, LOBSTER, OYSTERS AND SHRIMPS; CHEESE, CHEWING GUM, CHICKEN A LA KING, CHICKEN BROTH AND INVALID BROTH, CHILE CON CARNE, CHILI SAUCE, CHOCOLATE, CHOP SUEY, CLAM CHOWDER, CONDENSED MILK, CONSERVED FRUITS, CORN FLAKES, CORN GRITS, CORN MEAL (WHITE AND YELLOW), COOKING OIL, CRACKERS, CRANBERRY SAUCE, DESSERT POWDERS, DRIED APPLES, DRIED BEANS, DRIED CODFISH, DRIED LENTILS, DRIED PEACHES, DRIED PEAS, DRY MUSTARD, EVAPORATED MILK, FARINA, FIG PUDDING, FLAVORED MALTED-MILK POWDER, FRUITS FOR SALAD, GLACE FRUIT, HAM, HOMINY, HOMINY GRITS, HONEY, ICE-CREAM POWDER, JAMS, JELLIES, JELLY POWDER, KRAUT JUICE, LARD COMPOUND, LEMON FOOD-FLAVORING EXTRACT, MALT SYRUP, MALTED CHOCOLATE-FLAVORED SYRUP, MARASCHINO CHERRIES, MARSHMALLOW SPREAD, MAYONNAISE, MINCE MEAT, MOLASSES, MUSTARD BRAN SAUCE, NUTS IN SHELL, SHELLED NUTS, ROASTED AND SALTED SHELLED NUTS, OYSTER COCKTAIL SAUCE, PIMENTOS, PLUM PUDDING, SHELLED POPCORN IN THE NATURAL STATE, PREPARED FLOUR, FRUIT PRESERVES, PORK AND BEANS, PICKLE RELISHES, ROLLED OATS, SALAD DRESSING, SANDWICH SPREAD, SHREDDED COCOANUT, SOUPS, SPAGHETTI, SPICES, SUGAR, TAPIOCA, TOMATO JUICE, TOMATO PUREE, TOMATO PASTE, WELSH RAREBIT.
Claims use since Nov. 10, 1927.

Reg. No. 273,807. Registered Aug. 12, 1930. HALPINE, GREEN & CO., Philadelphia, Pa. Republished by Lowry Rodgers Co., Philadelphia, Pa., a corporation of Pennsylvania.

Reg. No. 283,662. Registered June 2, 1931. REDLANDS-HIGHLANDS FRUIT EXCHANGE, Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

Reg. No. 293,124. Registered Apr. 12, 1932. A. A. KNIGHTS AND SON CORPORATION, Boston, Mass., a corporation of Maine. Republished by registrant.

Reg. No. 296,674. Registered Aug. 16, 1932. THE GROCERS & PRODUCERS CO., doing business as The Clover Farm Stores Company, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

Reg. No. 273,807. Registered Aug. 12, 1930. HALPERN, GREEN & Co., Philadelphia, Pa. Republished by Lowry Rodgers Co., Philadelphia, Pa., a corporation of Pennsylvania.

FOR CANNED FRUITS AND VEGETABLES, CANNED SHRIMP, FRUIT PRESERVES, TOMATO CATSUP, COFFEE, PICKLES, AND JELLY.
Claims use since Jan. 1, 1885.

Reg. No. 275,382. Registered Sept. 23, 1930. GEORGE W. SIMMONS CORPORATION, New York, N. Y., assignor to George W. Simmons Corporation, a corporation of Missouri. Republished by Plee-Zing, Inc., Chicago, Ill., a corporation of Delaware.

PLEE-ZING

FOR APPLE SAUCE, BONED CHICKEN PRODUCTS, BUTTER, CANDIED PEEL, CANNED HAMBURGER STEAK AND ONIONS, CHEESE, CHICKEN-A-LA-KING, CHICKEN BROTH AND INVALID BROTH, CHILI SAUCE, CONDENSED MILK, COOKING OIL, CORN MEAL (WHITE AND YELLOW), CRACKERS, CRANBERRY SAUCE, DESSERT POWDERS, DRIED BEANS, DRIED CODFISH, DRIED DATES, DRIED FIGS, DRIED LENTILS, DRIED PEAS, DRY MUSTARD, FARINA, FLAVORED MALTED-MILK POWDER, HERBS FOR FOOD PURPOSES, ICE-CREAM POWDER, KRAUT JUICE, LARD COMPOUND, MALTED CHOCOLATE FLAVORED SYRUP, MARROW BEANS, MARSHMALLOW SPREAD, OYSTER-COCKTAIL SAUCE, PIMIENTOS, SALTED POP CORN, PICKLE RELISHES, SALAD OIL, SALTED NUTS, SPLIT PEAS, SUGAR, TOMATO JUICE, TUNA FISH, WELSH RAREBIT, AND WORCESTERSHIRE SAUCE.
Claims use since December 1922.

Reg. No. 277,097. Registered Nov. 4, 1930. THE KREIER PRESERVING COMPANY, Belgium, Wis., a corporation of Wisconsin. Republished by registrant.

Jolly Good

The word "Good" is disclaimed apart from the mark as shown.
FOR CANNED VEGETABLES.
Claims use since 1928.

Reg. No. 280,268. Registered Feb. 10, 1931. A. B. CLIFF, doing business as Racing Teal Ranch, Pasadena and Thermal, Calif. Republished by Desert Sun Ranch, Thermal, Calif., a firm.

DESERT SUN

FOR FRESH CITRUS FRUIT, DATES, AND GRAPES.
Claims use since July 11, 1930.

Reg. No. 283,662. Registered June 2, 1931. REDLANDS-HIGHLANDS FRUIT EXCHANGE, Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

GOOD MORNING!

FOR FRESH CITRUS FRUITS.
Claims use since May 15, 1929.

Reg. No. 288,136. Registered Oct. 20, 1931. EXETER CITRUS ASSOCIATION, Exeter, Calif., a corporation of California. Republished by registrant.

SURPASS

FOR FRESH CITRUS FRUITS.
Claims use since Apr. 30, 1931.

Reg. No. 292,224. Registered Mar. 8, 1932. DALE BUMSTEAD, Phoenix, Ariz. Republished by registrant, present address Peoria, Ariz.

FOR FRESH CITRUS FRUITS.
Claims use since on or about Oct. 1, 1927.

Reg. No. 293,133. Registered Apr. 12, 1932. A. A. KNIGHTS AND SON CORPORATION, Boston, Mass., a corporation of Maine. Republished by registrant.

KNI-CEST

FOR JAMS AND FRUIT PRESERVES.
Claims use since Oct. 13, 1931.

Reg. No. 293,134. Registered Apr. 12, 1932. A. A. KNIGHTS AND SON CORPORATION, Boston, Mass., a corporation of Maine. Republished by registrant.

The drawing is lined for red, gold, and black. The words "Pure Pasteurized Strawberry Preserve" and "Est. 1878" and "1 Lb." are disclaimed apart from the mark as shown.
FOR JAMS AND FRUIT PRESERVES.
Claims use since Oct. 18, 1931.

Reg. No. 294,998. Registered June 14, 1932. LOWRY-RODGERS COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Republished by registrant.

FOR CANNED FRUITS, CANNED VEGETABLES, CANNED BERRIES, CANNED SAUER KRAUT, CANNED MUSHROOMS, MAYONNAISE DRESSING, MAPLE SYRUP, CANNED EVAPORATED MILK, CANNED TOMATO JUICE, CORNSTARCH, TEA, COFFEE, CANNED CORNED BEEF HASH, HOT CHERRY PEPPERS, BOTTLED CUCUMBER RINGS, HOT MEXICAN SAUCE, BOTTLED CREAM CABBAGE, PIMIENTOS, JELLIED MINT SAUCE, BOTTLED GHERKINS, TOMATO CATSUP, FLAVORING EXTRACTS FOR FOODS, FRUIT PRESERVES, BOTTLED CHERRIES, CANNED BONED CHICKEN, CANNED VEGETABLE SALAD, CANNED FRUIT COCKTAIL, CANNED SPAGHETTI, RICE, CANNED CLAM CHOWDER, PEANUT BUTTER, CANNED TUNA FISH, APPLE BUTTER, CHOW CHOW, PICKLES, PREPARED MUSTARD, VINEGAR, MINCEMEAT, ORANGE MARMALADE, JELLIES, BOTTLED OLIVES, OLIVE OIL, HONEY, CHILI SAUCE, CANNED TOMATO PUREE, CANNED SHRIMP, CANNED SALMON, CANNED LOBSTER, CANNED CLAMS, CANNED CRAB, CANNED PORK AND BEANS, AND CANNED CRANBERRY JELLY.
Claims use since 1905.

Reg. No. 296,674. Registered Aug. 16, 1932. THE GROCERS & PRODUCERS CO., doing business as The Clover Farm Stores Company, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

GREEN CUP

FOR COFFEE.
Claims use since January 1928.

Reg. No. 296,682. Registered Aug. 16, 1932. THE GROCERS & PRODUCERS CO., doing business as The Clover Farm Stores Company, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

BLUE CUP

FOR COFFEE.
Claims use since January 1928.

Reg. No. 302,789. Registered Apr. 25, 1933. SAN FERNANDO HEIGHTS LEMON CO., San Fernando, Calif. Republished by San Fernando Heights Lemon Association, San Fernando, Calif., a corporation of California.

FOR FRESH LEMONS.
Claims use since Apr. 19, 1930.

Reg. No. 303,423. Registered May 23, 1933. ALEXANDER MARKETING COMPANY, San Benito, Tex., a corporation of Texas. Republished by registrant.

U-LIKA-ME?

FOR FRESH VEGETABLES.
Claims use since Mar. 1, 1931.

Reg. No. 303,709. Registered June 6, 1933. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

FLAGSTE

Reg. No. 306,911. Registered Oct. 3, 1933. LA VERNE CO-OPERATIVE CITRUS ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

Pride of La Verne

Reg. No. 317,890. Registered Oct. 9, 1934. THE C. C. GROFF MILLING COMPANY, Mount Healthy, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

EL-MI-JO

Reg. No. 328,597. Registered Oct. 1, 1935. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

PLEE-ZING

Reg. No. 303,709. Registered June 6, 1933. FISHER FLOURING MILLS COMPANY, West Waterway, Harbor Island, Seattle, Wash., a corporation of Washington. Republished by registrant.

FLAGSTAFF

FOR WHEAT FLOUR.
Claims use since Jan. 18, 1912.

Reg. No. 304,035. Registered June 20, 1933. CROWN PRODUCTS CORPORATION, San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

Lady's Choice

FOR SALAD OIL, VINEGAR, TABLE SYRUP, MUSTARD, BOTTLED AND/OR CANNED CHILI PEPPERS.
Claims use since Oct. 25, 1932.

Reg. No. 304,038. Registered Jan. 20, 1933. CROWN PRODUCTS CORPORATION, San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

Gold Stream

FOR SALAD OIL, VINEGAR, TABLE SYRUP, MUSTARD AND/OR CANNED CHILE PEPPERS.
Claims use since Oct. 25, 1932.

Reg. No. 306,394. Registered Sept. 19, 1933. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash., a corporation of Delaware. Republished by registrant, present address Bellingham, Wash.

Deming's Recipe Book

The words "Recipe Book" are disclaimed apart from the mark as shown.
FOR CANNED SALMON.
Claims use since August 1932.

Reg. No. 306,911. Registered Oct. 3, 1933. LA VERNE CO-OPERATIVE CITRUS ASSOCIATION, La Verne, Calif., a corporation of California. Republished by registrant.

Pride of La Verne

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 1, 1926.

Reg. No. 310,340. Registered Feb. 20, 1934. CENTRAL CO-OPERATIVE WHOLESALE, Superior, Wis. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

CO-OP

FOR CANNED, DRIED, PRESERVED, AND EVAPORATED FRUITS; CANNED AND DRIED VEGETABLES, ANCHOVIES, ANTIPASTO, APPLE BUTTER, APPLE SAUCE, BARBECUE SAUCE, PACKAGED BARLEY, BONED CHICKEN, BOUILLON CUBES, BREAKFAST WHEAT, BUTTER, CANNED BERRIES, CRANBERRY SAUCE, CANNED CLAMS, CLAM CHOWDER, CLAM JUICE, CANNED CRABMEAT, CAVIAR, CHOP SUEY, CHICKEN A LA KING, CAPERS, CATSUP, CHILI SAUCE, CREME MAYONNAISE; CANNED, DRIED, AND SALTED CODFISH; CORNMEAL, CORN FLAKES, CRACKED WHEAT, CITRON PEEL, COFFEE, CHOCOLATE SHREDS, COCOA, CANDY, COCOANUT, CHEWING GUM, CHEESE, FOOD FLAVORING EXTRACTS, CANNED AND DRIED FIGS, CANNED FRUIT SALAD, FRENCH DRESSING, FRUIT JUICES FOR FOOD PURPOSES, WHEAT AND PANCAKE FLOUR, FARINA, FRUIT CAKE, CANNED GRAPES, GREEN CHERRIES, GLACE CHERRIES, GELATINE, CANNED HERRING, CANNED HOMINY, HONEY, HERBS FOR FOOD PURPOSES, HORSERADISH, ICING, JELLIES, JELLY POWDER, CANNED LOBSTER, LEMON PEEL, LARD, CANNED MIXED VEGETABLES, CANNED MUSHROOMS, MARASCHINO CHERRIES, MILK, MACARONI, MINT SAUCE, MELON MANGOES, MAPLE SYRUP, MOLASSES, MARMALADE, MINCEMEAT, MARSHMALLOWS, MARSHMALLOW CREME, MUSTARD, CANNED OYSTERS, OYSTER-COCKTAIL SAUCE, OLIVES, OLIVE RELISH, OLIVE OIL, OATMEAL, ORANGE PEEL, OLEO, PICKLES, CANNED PRUNES, CANNED PIMIENTOES, PEPPER SAUCE, PEARL ONIONS, FRUIT PRESERVES, PEANUT BUTTER, POP CORN IN NATURAL STATE, POTATOES, RICE, ROLLED OATS, CANNED SAUERKRAUT, SAUERKRAUT JUICE, CANNED SALMON, CANNED SHRIMP, SALT, SOUPS, SPAGHETTI, SAGO, SPLIT PEAS, VINEGAR, SPICES, SCRATCH FEED, SALAD OIL, SUGAR, TOMATO PURÉE, TOMATO JUICE, CANNED TUNA FISH, TABASCO SAUCE, THOUSAND ISLAND DRESSING, TARTAR SAUCE, TAPIOCA, TEA, WORCESTERSHIRE SAUCE, AND WHEAT BISCUIT.
Claims use since December 1929.

Reg. No. 316,479. Registered Aug. 28, 1934. PERKINS PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

Lemix

FOR PIE AND CAKE FILLING.
Claims use since Jan. 31, 1934.

Reg. No. 317,890. Registered Oct. 9, 1934. THE C. C. GROFF MILLING COMPANY, Mount Healthy, Cincinnati, Ohio, a corporation of Ohio. Republished by registrant.

EL-MI-JO

FOR READY-MIXED BISCUIT FLOUR, AND HIGH-SUGAR-RATIO CAKE FLOUR.
Claims use since Sept. 1, 1933.

Reg. No. 319,296. Registered Nov. 20, 1934. CLOVER FARM STORES CORPORATION, Cleveland, Ohio. Republished by Clover Farm Stores Corporation, Cleveland, Ohio, a corporation of Ohio.

Clover Farm

FOR APPLESAUCE, BAKING POWDER, WHEAT FLOUR, BOUILLON CUBES, LARD, NUT MARGARINE-OLEOMARGARINE, FRESH MILK, CREAM, CHILI CONCARNE, CRANBERRY SAUCE, EXTRACT OF PEPPERMINT FOR FOOD PURPOSES, WHOLE-WHEAT PANCAKE FLOUR, QUICK BISCUIT FLOURMIX, MALTED MILK POWDER, MARSHMALLOW CREME, SPICED HAM (TINS), NUTS (SHELLED AND UNSHELLED), PEPPER SAUCE, PIMIENTOS, POP CORN (NATURAL—CANNED), TOMATO SAUCE, BACON, PORK AND BEANS, CORN MEAL, MARASCHINO CHERRIES, PEELS AND GLACE FRUITS: SEA FOODS, CANNED (TIN AND GLASS)—NAMELY, SHRIMP, CRABMEAT, CLAMS, LOBSTER, OYSTERS, TAMALES, COCKTAIL SAUCE; CHICKEN PRODUCTS (IN GLASS AND TINS)—NAMELY, BONED CHICKEN IN GLASS, CHICKEN A LA KING IN TIN, DEVILED CHICKEN IN TIN; MEATS (TINS)—NAMELY, BREAKFAST SAUSAGE, COOKED BRAINS, CORNED BEEF, CORNED BEEF HASH, HAMBURGER STEAK, POTTED OR DEVILED MEAT PRODUCTS, ROAST BEEF, SAUSAGE SPREAD FOR SANDWICHES, TRIPE, VEAL LOAF; MEATS (GLASS)—NAMELY, VIENNA SAUSAGE, LUNCH TONGUE, SLICED OX TONGUE, SLICED BEEF; TOMATO JUICE AND JAM.
Claims use since 1882.

Reg. No. 320,134. Registered Dec. 18, 1934. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif. Republished by Redlands Heights Groves, Redlands, Calif., a corporation of California.

INDIO GOLD

FOR FRESH CITRUS FRUIT.
Claims use since Oct. 11, 1933.

Reg. No. 327,091. Registered Aug. 13, 1935. PROSPECT ISLAND FARMING COMPANY, San Francisco, Calif. Republished by Rio Farms, San Francisco, Calif., a corporation of California.

RIOLAND

FOR FRESH VEGETABLES.
Claims use since Feb. 9, 1934.

Reg. No. 328,597. Registered Oct. 1, 1935. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

PLEE-ZING

FOR MUSHROOMS, CORN SYRUP, CANNED ONIONS, ORANGE PEKOE TEA, JUNKET POWDERS, SORGHUM, SORGHUM BLEND SYRUP, HONEY-PEANUT BUTTER, POTATO CHIPS, GRAPEFRUIT JUICE FOR FOOD PURPOSES, ORANGE JUICE FOR FOOD PURPOSES, POP-CORN IN ITS NATURAL STATE, MINT SAUCE, BARBECUE SAUCE, BRAN FLAKES, BEAN SPROUTS, SOOY SAUCE, NUT MARGARINE, RICE FLAKES, WHEAT CEREAL, HORSERADISH, KIPPER SNACKS, MARMALADE, ANCHOVIES, CAVIAR, CANNED CLAMS, CANNED CLAM CHOWDER, CANNED CLAM JUICE, CANNED CODFISH BALLS AND CANNED CODFISH CAKES, CANNED CRABMEAT, CANNED FISH BALLS, CANNED FISH FLAKES, CANNED HERRING, CANNED MACKEREL, CANNED SHAD, CANNED APPLES, CANNED BLACKBERRIES, CANNED CHERRIES, CANNED CRABAPPLES, CANNED GOOSEBERRIES, CANNED LOGANBERRIES, MARSHMALLOWS, OLEOMARGARINE, RICE, STOCK FEED, CANNED STRAWBERRIES, MILK, MALTED MILK, SOUPS, BAKED BEANS, MINIATURE CABBAGES KNOWN AS BRUSSELS SPROUTS, CANNED CAULIFLOWER, CANNED GREENS SIMILAR TO MUSTARD GREENS KNOWN AS KALE, CANNED RED BEANS, OKRA SOUP, CANNED ONIONS, SAUERKRAUT JUICE, CANNED SWISS CHARD (A VARIETY OF GREENS), CANNED TURNIP GREENS, BARLEY, FARINA, OAT FLAKES, OATMEAL, WHEAT BISCUIT, CHOCOLATE, MELON MANGOES, OLIVE RELISH, OYSTER COCKTAIL SAUCE, PEPPER SAUCE, PREPARED MUSTARD, TARTAR SAUCE, TOBASCO SAUCE, VEGETABLE SAUCE, ALLSPICE, CELERY SALT, CHILI POWDER, CINNAMON, CURRY POWDER, GINGER, MACE, DRY MUSTARD, PEPPER, NUTMEG, ONION SEASONING, PAPRIKA, PICKLING SAUCE, POULTRY SEASONING, TUMERIC, WHOLE SPICES, WORCESTERSHIRE SAUCE, COOKING OILS, OLIVE OIL, PEANUT OIL, SALAD OIL, DRIED FIGS; PEELS—NAMELY, CITRON, LEMON, AND ORANGE; DRIED PRUNES; FOOD FLAVORING EXTRACTS—LEMON, ORANGE, VANILLA, AND ALMOND; BAKING WHEAT FLOUR, WHOLEWHEAT FLOUR, BACON, BOUILLION CUBES, CHILI CON CARNE, COOKED BRAINS, CORNED BEEF, CORNED BEEF HASH, DRIED BEEF, LAMB'S TONGUE, LUNCH TONGUE, PIGS' FEET, POTTED HAM, POTTED MEATS, SAUSAGE, TAMALES, TRIPE, VIENNA SAUSAGE, GELATINE, ALMOND MEATS, PEANUTS, PECAN MEATS, WALNUT MEATS, PICKLES, ORANGE MARMALADE, PEACH BUTTER, JELLIES, FRUIT PRESERVES, SUGAR; BLACK, GREEN, AND MIXED TEA; LARD, MARSHMALLOW CREAM.
Claims use since November 1933.

Reg. No. 328,993. Registered Oct. 15, 1935. CROWN PRODUCTS CORPORATION, San Francisco, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

OLD GOLD

FOR VINEGAR AND TABLE SYRUP.
Claims use since January 1926.

Reg. No. 338,802. Registered Sept. 13, 1936. H P CORPUS COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

BROWN

Reg. No. 351,300. Registered Oct. 26, 1937. ARLINGTON HEIGHTS FRUIT COMPANY, also doing business as Arlington Heights Fruit Association, Riverside, Calif. Republished by Arlington Heights Citrus Company, Riverside, Calif., a partnership.

SQUIRREL

Reg. No. 369,078. Registered July 11, 1939. SAN FERNANDO HEIGHTS LEMON ASSOCIATION, San Fernando, Calif., a corporation of California. Republished by registrant.

SILVER MOON

Reg. No. 377,175. Registered Apr. 23, 1940. CALL RANCH, Corona, Calif., a partnership. Republished by registrant.

RED MOUNTAIN

FOR FRESH CITRUS FRUIT.
Claims use since 1932.

Reg. No. 338,802. Registered Sept. 15, 1936. H P COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

BROWN BEAUTY

FOR COFFEE.
Claims use since Nov. 12, 1908.

Reg. No. 339,510. Registered Oct. 13, 1936. CALIFORNIA MAPLE SYRUP COMPANY, INC., Los Angeles, Calif. Republished by Lady's Choice Foods, Los Angeles, Calif., a corporation of California.

FLAP JACK

FOR TABLE SYRUP.
Claims use since 1923.

Reg. No. 342,151. Registered Jan. 5, 1937. PERKINS PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Republished by registrant.

KOOL-AID MIX

The word "Mix" is disclaimed apart from the mark as shown.
FOR ICE CREAM POWDER.
Claims use since July 1, 1936.

Reg. No. 348,793. Registered Aug. 10, 1937. THE BEACON MILLING COMPANY, INC., Cayuga, N. Y., a corporation of New York. Republished by registrant.

The words "Feeds," "Better Feeding," and "Cayuga, New York" are disclaimed apart from the mark as shown.
FOR GRAINS AND MIXED FEEDS IN WHOLE, GROUND, PARTIALLY GROUND, CRUSHED, OR PELLET FORM FOR CATTLE, POULTRY, TURKEYS, PIGEONS, HOGS, HORSES, AND OTHER DOMESTIC STOCK.
Claims use since Apr. 7, 1919.

Reg. No. 351,300. Registered Oct. 26, 1937. ARLINGTON HEIGHTS FRUIT COMPANY, also doing business as Arlington Heights Fruit Association, Riverside, Calif. Republished by Arlington Heights Citrus Company, Riverside, Calif., a partnership.

SQUIRREL

FOR FRESH CITRUS FRUIT.
Claims use since February 1901.

Reg. No. 357,585. Registered June 7, 1938. INTERNATIONAL SALT COMPANY, INC., New York, N. Y. Republished by International Salt Company, Scranton, Pa., a corporation of New Jersey.

FOR SALT IN GRANULAR FORM.
Claims use since Dec. 15, 1937.

Reg. No. 366,223. Registered Apr. 4, 1939. UNION PREMIER FOOD STORES, INC., Philadelphia, Pa. Republished by Food Fair Stores, Inc., Philadelphia, Pa., a corporation of Pennsylvania.

FOOD FAIR

The word "Food" is disclaimed apart from the mark as shown.
FOR BUTTER AND EGGS.
Claims use since Mar. 8, 1935.

Reg. No. 367,051. Registered May 9, 1939. A. F. CALL ESTATE, Corona, Calif., assignor to Call Ranch, a copartnership composed of Lucy T. Kirkley and Mary Call Quilici. Republished by Call Ranch, Corona, Calif., a partnership.

PRINCESS

FOR FRESH CITRUS FRUIT.
Claims use since 1904.

Reg. No. 367,745. Registered May 30, 1939. CALL RANCH, Corona, Calif., a partnership. Republished by registrant.

CORONA LILY

The word "Corona" is disclaimed apart from the mark as shown.
FOR FRESH CITRUS FRUIT.
Claims use since 1932.

Reg. No. 369,078. Registered July 11, 1939. SAN FERNANDO HEIGHTS LEMON ASSOCIATION, San Fernando, Calif., a corporation of California. Republished by registrant.

SILVER MOON

FOR FRESH CITRUS FRUIT.
Claims use since Mar. 1, 1915.

Reg. No. 371,763. Registered Oct. 3, 1939. CHAPARALES & MACRIS, Nogales, Ariz., a firm. Republished by registrant.

CHA-MA

FOR FRESH TOMATOES.
Claims use since 1933.

Reg. No. 372,039. Registered Oct. 17, 1939. ALEC BESSO, doing business as American Food Products Co., New York, N. Y. Republished by Pearless Packers, Inc., New York, N. Y., a corporation of New York.

The word "American" is disclaimed apart from the mark as shown.
FOR WHOLE MILK POWDER.
Claims use since December 1938.

Reg. No. 375,704. Registered Feb. 27, 1940. H P COFFEE COMPANY, St. Louis, Mo., a corporation of Missouri. Republished by registrant.

HAPPY HOST

FOR COFFEE.
Claims use since June 26, 1939.

Reg. No. 376,540. Registered Mar. 26, 1940. ROBT. T. COCHRAN CO., INCORPORATED, New York, N. Y., and Tracy, Calif., a corporation of New York. Republished by registrant.

OLD TIMER

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since June 1939.

Reg. No. 377,175. Registered Apr. 23, 1940. CALL RANCH, Corona, Calif., a partnership. Republished by registrant.

RED MOUNTAIN

FOR FRESH CITRUS FRUIT.
Claims use since 1922.

Reg. No. 379,432. Registered July 9, 1940. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

SOUTHMOST

FOR POTATOES.
Claims use since Mar. 22, 1939.

Reg. No. 379,579. Registered July 16, 1940. GRAVENSTEIN APPLE GROWERS COOPERATIVE ASSOCIATION, Sebastopol, Calif., a corporation of California. Republished by registrant.

Dickie Girl
Sebastopol Apples

No claim is made to the outline of a label or to the words "Sebastopol Apples" apart from the mark as shown.
FOR FRESH APPLES.
Claims use since July 1937.

Reg. No. 379,913. Registered July 30, 1940. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash., a corporation of Delaware. Republished by registrant, present address Bellingham, Wash.

FOR CANNED SALMON.
Claims use since 1908.

Reg. No. 381,708. Registered Oct. 1, 1940. ALLISON G. BRUSH, doing business as Mayhaw Canning Co., Laurel, Miss. Republished by Mayhaw Canning Company, Inc., Laurel, Miss., a corporation of Mississippi.

White Lodge

FOR CANNED VEGETABLES.
Claims use since May 2, 1940.

Reg. No. 389,580. Registered Aug. 12, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

Reg. No. 399,825. Registered Feb. 2, 1943. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

Reg. No. 400,656. Registered Mar. 23, 1943. L. A. NUT HOUSE, Los Angeles, Calif. Republished by Los Angeles Nut House (1945), Los Angeles, Calif., a firm.

Reg. No. 404,151. Registered Nov. 2, 1943. IOWA CANNING COMPANY, Vinton, Iowa. Republished by Tendersweet Sales Corporation, Cedar Rapids, Iowa, a corporation of Iowa.

Reg. No. 380,560. Registered Aug. 12, 1941. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR TURKEY POULTS, CHICKS, HATCHING EGGS, LIVE POULTRY, DRESSED POULTRY, MILK, BUTTER, EGGS, POULTRY FEED, LAYING MASH, STOCK FEED, MINERAL HOG FEED, CANNED DOG FOOD, DOG BISCUITS, AND BIRD SEED.
Claims use since December 1929.

Reg. No. 392,135. Registered Dec. 9, 1941. RICHGROVE-JASMINE CITRUS ASSOCIATION, Richgrove, Calif., a corporation of California. Republished by registrant, present address Delano, Calif.

CONVOY

FOR FRESH CITRUS FRUITS.
Claims use since July 15, 1941.

Reg. No. 393,497. Registered Feb. 17, 1942. JAMES T. HIROTO, Coachella, Calif. Republished by registrant.

DESERT EAGLE

FOR FRESH VEGETABLES.
Claims use since April 1937.

Reg. No. 394,224. Registered Mar. 24, 1942. ORANGE BELT FRUIT DISTRIBUTORS, Pomona, Calif. Republished by Orange Belt Fruit Distributors (1942), Pomona, Calif., a firm.

FIRST MATE

FOR FRESH CITRUS FRUIT.
Claims use since Feb. 3, 1940.

Reg. No. 395,462. Registered May 26, 1942. CALIFORNIA MILLING CORPORATION, Los Angeles, Calif., a corporation of Delaware. Republished by registrant.

"FORTIFIED FOR HOME DEFENSE"

The word "Fortified" is disclaimed apart from the mark as shown.
FOR WHEAT FLOUR.
Claims use since Sept. 12, 1941.

Reg. No. 399,825. Registered Feb. 2, 1943. PLEE-ZING, INC., Chicago, Ill., a corporation of Delaware. Republished by registrant.

PLEE-ZING

FOR DRIED APRICOTS, CANNED GREEN BEANS, CANNED CORN ON THE COB, CANNED GRAPEFRUIT AND PINEAPPLE JUICE, CANNED GRAPEFRUIT AND ORANGE JUICE, CANNED PINEAPPLE, CANNED POTATOES, CANNED CARROTS, CANNED PRUNE JUICE, CANNED TOMATO PASTE, PACKAGED SALT CODFISH, CANNED CHOP SUEY-MEATLESS, CANNED MIXED CHOP SUEY VEGETABLES, CANNED BEAD MOLASSES, CANNED CHOW MEIN NOODLES, CANNED COCKTAIL SAUCE, CANNED CRANBERRY JUICE COCKTAIL, PURE FLAVORING EXTRACTS FOR FOOD FLAVORING PURPOSES, IMITATION FOOD FLAVORING EXTRACTS, GELATIN DESSERTS; CANNED MEATS—NAMELY, BREAKFAST SAUSAGE, BEEF STEW WITH BROWN GRAVY, VEAL LOAF, SPICED LUNCHEON MEATS, PIGS' FEET CUTLETS IN VINEGAR, BONELESS PIGS' FEET IN VINEGAR, CANNED OKRA, TOBASCO PEPPERS, CANNED POTATO SALAD, DRIED PRUNES, CANNED SALAD SPROUTS, CORN SYRUP, VEGETABLE NOODLE SOUP MIX, VEGETABLE SOUP MIX WITH CHICKEN FAT, CANNED SPICES, CRUSHED FRUIT TOPPINGS, JAMS, POWDERED FRUIT PECTIN, CANNED LIQUID APPLE PECTIN, SUNDAE TOPPINGS, BAKING CHOCOLATE, BITTERSWEET CHOCOLATE, MILK CHOCOLATE, INSTANT CHOCOLATE, CANE AND MAPLE SYRUP, WHEAT FLOUR, MACARONI IN CHEESE AND CREAM, POPPED WHEAT, POPPED RICE, CANNED SPAGHETTI SAUCE, SPANISH STYLE TOMATO SAUCE, PEPPER SAUCE, CANNED PREPARED SPAGHETTI, CANNED SPAGHETTI WITH MEAT BALLS, CANNED OKRA AND TOMATOES, DATE AND NUT BREAD, CANNED FRUIT COCKTAIL, GINGER-BREAD MIX, ICE-CREAM MIX, JULIENNE POTATOES, CANNED FRENCH FRIED JULIENNE POTATOES, CANNED JULIENNE STYLE CHEESE COATED POTATOES, CANNED SPICED WATERMELON RIND, CANNED SPICED CANTALOUPE, CANNED SPICED CRABAPPLES, CANNED SQUASH, CANNED PEAS AND CARROTS, SALAD VEGETABLES, STEWED PRUNES, SANDWICH SPREAD, CANNED LAYER-PACK VEGETABLES, CANNED SLICED APRICOTS, CANNED SLICED PEARS, CANNED SLICED PEACHES; CANNED BABY FOODS—NAMELY, APPLES, CANNED STRAINED PRUNES, STRAINED BEETS, CANNED STRAINED CARROTS, APRICOTS, CELERY, GREEN BEANS, PEAS, SPINACH, TOMATOES, AND COMBINATIONS THEREOF; VEGETABLE SOUP WITH CEREAL, CANNED CHICKEN WITH EGG NOODLES, CANNED CHICKEN WITH GRAVY, CHICKEN INVALID BROTH, CHOCOLATE PUDDING, PACKAGED ROASTED OATS, PACKAGED DRIED CURRENTS, HONEY SYRUP, HOT SAUCE, MACARONI SAUCE, CANNED MACARONI SALAD WITH CHEESE, ALPHABET NOODLES, EGG BOW NOODLES, SLICED BEEF, CHOCOLATE MILK, CANNED PRUNES, CANNED SHOESTRING VEGETABLES, DRY SOUP MIXTURES.
Claims use since December 1922.

Reg. No. 400,656. Registered Mar. 23, 1943. L. A. NUT HOUSE, Los Angeles, Calif. Republished by Los Angeles Nut House (1945), Los Angeles, Calif., a firm.

The word "Nut" and the notation "Nut House" are disclaimed apart from the mark as shown.
FOR POTATO CHIPS, PEANUT BUTTER, CANDY, DRIED FRUITS, SHELLED NUTS, AND NUTS IN THEIR NATURAL STATE.
Claims use since June 29, 1932.

Reg. No. 402,024. Registered June 22, 1943. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y. Republished by Mason, Au & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y., a corporation of New York.

RUMOR

FOR CANDIES AND CHOCOLATES.
Claims use since Dec. 16, 1934.

Reg. No. 402,245. Registered July 13, 1943. J. E. STANSFIELD, Arvin, Calif. Republished by Kern Valley Farms, Arvin, Calif., a corporation of California.

CAL-PRIDE

The representation of the outline of a label is disclaimed apart from the mark as shown.
FOR FRESH GRAPES.
Claims use since July 14, 1939.

Reg. No. 402,519. Registered July 27, 1943. ROBERT ASPINALL, San Francisco, Calif. Republished by registrant.

REMEMBER

FOR JELLIES, FRUIT PRESERVES, CANNED FRUITS, AND CANNED VEGETABLES.
Claims use since Feb. 10, 1943.

Reg. No. 403,034. Registered Aug. 31, 1943. DALE BUMSTEAD, Phoenix, Ariz. Republished by registrant, present address Peoria, Ariz.

TAL-WI-WI

FOR FRESH CITRUS FRUITS.
Claims use since Nov. 14, 1942.

Reg. No. 404,151. Registered Nov. 2, 1943. IOWA CANNING COMPANY, Vinton, Iowa. Republished by Tendersweet Sales Corporation, Cedar Rapids, Iowa, a corporation of Iowa.

"Chubbies"

FOR CANNED VEGETABLES—NAMELY, PEAS.
Claims use since May 1, 1942.

Reg. No. 405,284. Registered Jan. 18, 1944. J. E. STANSFIELD, Arvin, Calif. Republished by Kern Valley Farms, Arvin, Calif., a corporation of California.

CAL-PRIDE

The word "Cal" is disclaimed apart from the mark as shown.
FOR GRAPES, FRESH CITRUS FRUIT, AND FRESH VEGETABLES—NAMELY, POTATOES.
Claims use since July 14, 1939.

Reg. No. 407,342. Registered May 30, 1944. ALFRED W. MCCONN, Moorhead, Minn. Republished by registrant.

AL'S PAL

"Dawgone Good"

The words "Dawgone Good" are disclaimed apart from the mark as shown.
FOR POTATOES IN THEIR NATURAL STATE.
Claims use since August 1943.

Reg. No. 409,265. Registered Sept. 26, 1944. FINE PRODUCTS CORPORATION, doing business as Nunnally's, Augusta, Ga., a corporation of Georgia. Republished by registrant.

Camellia

FOR CANDY.
Claims use since September 1938.

Reg. No. 411,307. Registered Jan. 9, 1945. JORGENSEN FARMS, Fresno, Calif., a firm. Republished by registrant.

Reg. No. 417,239. Registered Oct. 16, 1945. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

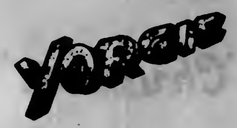
Reg. No. 423,520. Registered Sept. 3, 1946. HALE-HALSELL CO., McAlester, Okla., a corporation organized under the laws of the Indian Territory. Republished by registrant.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis,

Reg. No. 411,307. Registered Jan. 9, 1945. JORGENSEN FARMS, Fresno, Calif., a firm. Republished by registrant.



FOR FRESH VEGETABLES AND MELONS.
Claims use since July 21, 1944.

Reg. No. 413,444. Registered Apr. 24, 1945. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

SOUTHMOST

FOR FRESH TOMATOES.
Claims use since May 1944.

Reg. No. 417,237. Registered Oct. 16, 1945. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

The map of Texas is disclaimed apart from the mark as shown.
FOR POTATOES.
Claims use since Apr. 13, 1945.

Reg. No. 417,238. Registered Oct. 16, 1945. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

The map of Texas is disclaimed apart from the mark as shown.
FOR FRESH TOMATOES.
Claims use since Apr. 25, 1945.

Reg. No. 417,239. Registered Oct. 16, 1945. PORTER & WENTS, INC., Brownsville, Tex., a corporation of Texas. Republished by registrant.

The map of Texas is disclaimed apart from the mark as shown.
FOR POTATOES.
Claims use since Mar. 31, 1945.

Reg. No. 420,004. Registered Mar. 19, 1946. JAMES P. SMITH & COMPANY, INC., New York, N. Y., a corporation of New York. Republished by registrant.

Antonini
CERTIFIED
VIRGIN
ITALIAN
OLIVE
OIL

The words "Certified Virgin Italian Olive Oil" are disclaimed apart from the mark as shown.
FOR CERTIFIED VIRGIN ITALIAN OLIVE OIL.
Claims use since about the year 1887.

Reg. No. 420,075. Registered Mar. 26, 1946. FROZEN DRUMSTICK SALES COMPANY, Fort Worth, Tex., a firm. Republished by registrant.

Frozette

FOR EDIBLE POWDER USED IN THE MANUFACTURE OF FROZEN DESSERTS, SOLD IN BULK.
Claims use since May 20, 1943.

Reg. No. 421,586. Registered June 4, 1946. REID & REID, St. Petersburg, Fla., a firm. Republished by registrant.

Chest of Gold

FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since Aug. 28, 1945.

Reg. No. 423,520. Registered Sept. 3, 1946. HALE-HALSELL CO., McAlester, Okla., a corporation organized under the laws of the Indian Territory. Republished by registrant.

Lumps-O' Silver

FOR CANNED WHITE CORN.
Claims use since Sept. 21, 1945.

Reg. No. 424,486. Registered Oct. 8, 1946. ALABAMA FEED MILLS, Tuscaloosa, Ala., a co-partnership. Republished by registrant.

SAW MILL SPECIAL

The word "Mill" per se and the word "Special" per se are disclaimed apart from the mark as shown.
FOR HORSE AND MULE FEED.
Claims use since Jan. 3, 1925.

CLASS 47

WINES

Reg. No. 371,764. Registered Oct. 3, 1939. SCHENLEY IMPORT CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

CORONATION

FOR WINES.
Claims use since Jan. 26, 1934.

Reg. No. 378,600. Registered June 11, 1940. SCHENLEY IMPORT CORPORATION, New York, N. Y., a corporation of New York. Republished by registrant.

MARQUITA

FOR WINES.
Claims use since Aug. 20, 1937.

CLASS 48

MALT BEVERAGES AND LIQUORS

Reg. No. 87,489. Registered July 16, 1912. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis. Republished by Jos. Schlitz Brewing Company (1933), Milwaukee, Wis., a corporation of Wisconsin.

FOR LAGER BEER.
Claims use since May 15, 1894.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Reg. No. 380,280. Registered Aug. 20, 1940. NATIONAL CO-OPERATIVES, INC., Chicago, Ill., and Indianapolis, Ind. Republished by National Cooperatives, Incorporated, Chicago, Ill., a corporation of the District of Columbia.

FOR BUILDING HARDWARE—NAMELY, NAILS, STAPLES, SCREWS, TACKS, BRADS, SPIKES, METAL STAKES, WINDOW SASH CHAINS, WINDOW PULLEYS, SWIVELS, CURTAIN FIXTURES, HINGES, DOOR CHECKS, DOOR HANGERS AND TRACKS, DOOR KNOBS, DOOR SPRINGS, HASPS, METAL STALL GUTTERS, WIRE SCREENING, FIREPLACE SCREENS AND ANDIRONS, HARDWARE CLOTH, STAIR PLATES, METAL LETTERS AND NUMBERS, TRANSOM LIFTERS, WALL HOOKS AND HANGERS, DOOR CHAINS, CURTAIN RODS, DRAPE BRACKETS, TOWEL RACKS, NUTS, BOLTS, METAL WASHERS; COCK, FAUCET, AND VALVE WASHERS; RIVETS, CASTERS, HOSE SPRINKLERS, NOZZLES AND CLAMPS; COPPER, BRASS, AND BLOCKED TIN TUBING; SKID CHAINS, HARNESS CHAINS, STEEL STANCHIONS, LOGGING CHAINS, BARBED WIRE, WOVEN FENCE WIRE, METAL POSTS AND FENCE GATES, BALE TIES, BASE METAL TABLE AND COOKING HOLLOW WARE, BASE METAL DRINKING CUPS; WALL SOAP TRAYS, GLASS HOLDERS, TOOTH BRUSH HOLDERS AND BROOM HOLDERS; CHAFING DISHES, METAL CUSPIDORS, POULTRY AND LIVESTOCK DRINKING PANS CONNECTED TO PLUMBING; PRESSURE COOKERS, SEPTIC TOILET BOWLS, CLOSET TANKS; IRON, CAST IRON, AND LEAD PIPE AND PIPE FITTINGS; WATER SOFTENING TANK UNITS, STEEL ROLLER CHAINS, STEEL SPROCKET CHAINS, COTTER PINS, METAL BELT LACING, DOOR HANDLES, TIRE VALVE STEMS, SINKS, BATHTUBS, CLOSET BOWLS, URINALS, WASH BOWLS, WASH BASINS, STATIONARY LAUNDRY TUBS, FOOT BATHS, SHOWER FIXTURES, METAL SHOWER BATHS, FAUCETS, WATER CLOSET SEATS, WASTE COCKS, FLUSH TANKS AND PARTS THEREOF, SEPTIC TANKS, METAL SYPHONS; AND PLUMBING, GAS-FITTING, AND STEAM-FITTING VALVES.
Claims use since December 1929.

Reg. No. 435,835. Registered Jan. 13, 1948. THE SPONGE RUBBER PRODUCTS COMPANY, Shelton, Conn., a corporation of Connecticut. Republished by registrant.

Texlite

FOR SHOCK CUSHIONING RESILIENT COMPRESSIBLE MATS, PADS, NESTS, WRAPPINGS, AND RUG UNDERLAYS, MADE OF ENTANGLED MUTUALLY ATTACHED FLEXIBLE FILAMENTS FORMING A SPRINGY, SPONGY MASS THICKER THAN CLOTH AND HONEYCOMBED WITH VOIDS.
Claims use since Oct. 6, 1945.

REISSUES

FEBRUARY 22, 1949

REISSUES

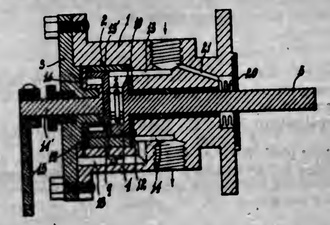
FEBRUARY 22, 1949

23,085
PREVENTION OF FOAMING IN STEAM GENERATION
Lewis O. Gunderson, Park Ridge, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original No. 2,328,551, dated September 7, 1943, Serial No. 330,993, April 22, 1940. Application for reissue August 18, 1944, Serial No. 550,072
9 Claims. (Cl. 252—321)

1. The method of generating steam from a boiler water having a tendency to foam on boiling which comprises dispersing into said water a surface-active predominantly hydrophobic organic compound, each of the molecules of which includes interconnected hydrophilic radicals selected from the group consisting of ester and amide radicals, the hydrophilic radicals in said molecules each being spaced from one another by not more than five carbon atoms, each of said selected radicals having attached thereto an unsubstituted hydrocarbon chain containing at least twelve carbon atoms, and heating the resulting aqueous dispersion to the boiling point, said compound being dispersed into said water in an amount sufficient substantially to inhibit the tendency of said water to foam on boiling.

23,086
VARIABLE DELIVERY ROTARY PUMP
James W. F. Holl, Los Angeles, Calif.
Original No. 2,359,558, dated October 3, 1944, Serial No. 361,063, October 14, 1940. Application for reissue October 1, 1945, Serial No. 619,535
11 Claims. (Cl. 103—120)

5. In a rotary pump, the combination of: a housing provided with a chamber therein and having inlet and outlet ports therein which communicate with the interior of said chamber; a sleeve in said chamber having an internal periphery which is eccentric with respect to the longitudinal axis of said chamber, one end of said sleeve being adapted to engage one end wall of said chamber and the other end of said sleeve being spaced from the other end wall of said chamber; a rotor in said sleeve engaging said one end wall of said chamber, said rotor being rotatable about said longitudinal axis of said chamber; a plurality of blades carried by said rotor, said blades engaging said eccentric internal periphery of said sleeve and said one end wall of said



chamber and being movable radially with respect to said longitudinal axis of said chamber; a wall member spaced from said other end wall of said chamber and sealably engaging said sleeve, said rotor, and said blades; means connected to said rotor for effecting rotation thereof so as to deliver fluid under pressure through said outlet port; and passage means for conducting a portion of the fluid under pressure delivered by the pump into said space between said other end of said sleeve and said other end wall of said chamber whereby the fluid acts on said other end of said sleeve to retain said one end thereof in engagement with said one end wall of said chamber.

PLANT PATENTS

GRANTED FEBRUARY 22, 1949

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

825
CHRYSANTHEMUM PLANT
Gustav C. Sparre, Clarkson, Ontario, Canada, assignor to John J. Grullemans, Mentor, Ohio
Application June 19, 1947, Serial No. 755,681
1 Claim. (Cl. 47—60)

The new variety of chrysanthemum plant herein shown and described characterized in that its flowers are fully double, are shaped like the flowers of a cactus dahlia, are large yet very graceful in appearance and of an exceptional whiteness and are produced in open clusters, and the plant is exceedingly vigorous, has the ability to withstand severe winters, whether protected or unprotected, is exceptionally resistant to disease, and has good resistance to drought.

826
CHRYSANTHEMUM PLANT
Gustav C. Sparre, Clarkson, Ontario, Canada, assignor to John J. Grullemans, Mentor, Ohio
Application June 19, 1947, Serial No. 755,682
1 Claim. (Cl. 47—60)

The new variety of chrysanthemum plant herein shown and described characterized in that its flowers are produced in open clusters, are fully double, are shaped like a cactus dahlia and are large yet very graceful in appearance and have an exceptional color, beginning with a deep yellow ochre at the start of the blooming season and changing during the blooming season to an apricot buff and then to a soft corn yellow, and the plant is exceedingly vigorous, of exceptional resistance to disease and of good resistance to

drought, and its roots have the ability to withstand severe winters, both protected and unprotected.

827
CHRYSANTHEMUM PLANT

of the buds and flowers, size and petalage of said flowers, penetrating and pleasing fragrance of the flowers, high degree of resistance to rust of the foliage, vigorous, bushy and upright growth of the plant, moderately long, strong and straight stems with many large and small thorns, and the unusual color of the stems on the side exposed

PATENTS

GRANTED FEBRUARY 22, 1949

2,462,057
METHOD OF PRODUCING HEXAETHYL

drought, and its roots have the ability to withstand severe winters, both protected and unprotected.

827
CHRYSANTHEMUM PLANT
Gustav C. Sparre, Clarkson, Ontario, Canada, assignor to John J. Grullemans, Menter, Ohio
Application June 19, 1947, Serial No. 755,683
1 Claim. (Cl. 47—60)

The new variety of chrysanthemum plant herein shown and described, characterized in that its flowers are produced in open clusters, are fully double, are shaped like a cactus dahlia and are large yet very graceful in appearance and have an exceptional rose lilac color, and the plant is exceedingly vigorous, of exceptional resistance to disease and of good resistance to drought, and its roots have the ability to withstand severe winters, both protected and unprotected.

828
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application June 17, 1947, Serial No. 755,152
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant, characterized as to novelty by the color combination of the buds and flowers, size and petalage of said flowers, penetrating and pleasing fragrance of the flowers, high degree of resistance to rust of the foliage, vigorous, bushy and upright growth of the plant, moderately long, strong and straight stems with many large and small thorns, and the unusual color of the stems on the side exposed to the sun, substantially as shown and described.

829
ROSE PLANT
Herbert C. Swim, Ontario, Calif., assignor to Armstrong Nurseries, Inc., Ontario, Calif., a corporation of California
Application June 24, 1947, Serial No. 756,589
1 Claim. (Cl. 47—61)

A new and distinct variety of rose plant characterized as to novelty by the vigorous, upright, free-branching habits of growth of the plant, abundantly furnished with large leaves highly resistant to mildew; by the color of its flowers and the size thereof characteristically varying from very large in early spring to medium-small in mid-summer to medium in the fall, and with the number varying more or less in proportion to the size of the flower—extremely double in the early spring, merely double in the summer, and very double in the fall, with not so many petals in the fall bloom as in the spring, substantially as shown and described.

PATENTS

GRANTED FEBRUARY 22, 1949

2,462,052
PLASTIC COMPOSITION
Andrew C. Buechele, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application January 5, 1946, Serial No. 639,422
5 Claims. (Cl. 106—218)

1. A plastic composition comprising a major proportion of a polyamide of a polyfunctional amine and a polyfunctional acid derivable from the polymerization of higher fatty acids and their esters, and about 2 to 20% of a polymerized rosin.

2,462,054
FURFURYL ALCOHOL-RESORCINOL RESIN COMPOSITION
John Delmonte, Glendale, Calif., assignor, by direct and mesne assignments, of seventy-two per cent to Ralph Hemphill, Los Angeles, Calif.
No Drawing. Application June 30, 1944, Serial No. 543,944
5 Claims. (Cl. 260—42)

1. A liquid polymer resin comprising the product resulting from heating a mixture of resorcinol and furfuryl alcohol in proportions ranging from 1 mole resorcinol for each two moles of furfuryl alcohol, to three moles resorcinol for each one male of furfuryl alcohol, in the presence of an alkali catalyst in an amount to give a pH of at least 8.0.

2,462,055
BRUSH
Robert S. Herwig, North Arlington, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware
No Drawing. Application January 24, 1944, Serial No. 519,531
10 Claims. (Cl. 171—325)

9. In a method for forming a moisture adsorbent current conducting brush; the steps consisting of adding to a carbon-copper mixture a minor proportion of an inorganic material, said inorganic material being a member of a group consisting of barium nitrate and calcium sulfate dihydrate, then compressing said mixture into the form of a block, baking said block at a temperature sufficient to release a gaseous medium from the inorganic material and change said inorganic material into a hygroscopic form, and passing said gaseous medium through said block so as to form said block into a porous structure, whereby the same is conditioned for the adsorption of atmospheric moisture vapor through capillary action.

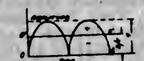
2,462,056
HARD ALLOYS
Roy B. McCauley, Chicago Heights, Ill.
No Drawing. Application April 19, 1945, Serial No. 589,270
3 Claims. (Cl. 75—122)

1. A stable, inherently hard abrasive-resistant tough alloy comprising copper about 4.85%; nickel about 5.15%; phosphorus about 6.20% and iron containing less than 1.00% of chromium, silicon and other non-essential ingredients of commercial grades of scrap iron.

2,462,057
METHOD OF PRODUCING HEXAETHYL TETRAPHOSPHATE
Howard Adler, Flossmoor, Ill., assignor to Victor Chemical Works, a corporation of Illinois
No Drawing. Application February 3, 1947, Serial No. 726,219
4 Claims. (Cl. 260—461)

1. The method of producing hexaethyl tetraphosphate which comprises reacting not less than three moles of diethyl ether per two moles of phosphoric anhydride at from about 50° to 90° C. for a sufficient period to effect an intermediate exothermic reaction, cooling to maintain the temperature within said range, and then at the end of the exothermic reaction period heating at from about 90° to 110° C. under superatmospheric pressure for a period of time sufficient to form a substantial proportion of the tetraphosphate.

2,462,058
SYSTEM FOR COMPARISON OF PHASE SHIFT OF ELECTRIC QUANTITIES
Jean Ahier and Jacques Seis, Lyons, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 27, 1947, Serial No. 737,660
In France April 27, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires April 27, 1964
4 Claims. (Cl. 172—245)



1. A phase comparison system for comparing the phase of a locally generated wave with the phase of an applied signal, comprising a high frequency generator, a generator having a rotary field coil and two orthogonal stator coils, a coupling circuit for coupling said high frequency generator to said field coil, means for applying said signal to said field coil, a pair of electron discharge tubes coupled respectively to said stator coils to derive therefrom output waves having a ninety degree phase relation and amplitude patterns dependent upon the phase of said applied signal and the envelope wave locally generated in said generator, and means for supplying energy from said high frequency generator to said electron discharge tubes to provide substantially sinusoidal variations to said output waves.

2,462,059
ELECTRONIC DISCHARGE DEVICE FOR ELECTRONIC MULTIPLICATION
Maurice Arditi, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 1, 1943, Serial No. 481,509
In France July 25, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires July 25, 1961
7 Claims. (Cl. 250—175)

1. An electronic discharge device for secondary emissions comprising a primary emitting elec-

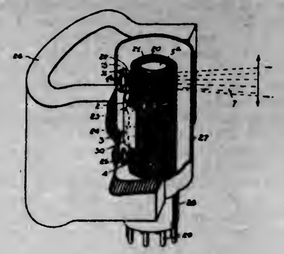
trode, a secondary emitting electrode, and a collecting electrode, all said electrodes being mounted in succession and substantially aligned, electrode means mounted in front of said aligned electrodes for producing a zero potential gradient region beginning a short distance

2,462,06:
HIGH-FREQUENCY ELECTRICAL COMMUNICATION SYSTEM UTILIZING DAMPED OSCILLATIONS
William Arnold Beatty, London W. C. 2, England, assignor to International Standard Electric

tion against passage of gases on premature approach of said detonator when said bolt is in the safe position, a cavity in said bolt at its forward side, a sphere loose in said cavity, and a receiving groove for said sphere in said body portion to lock the bolt against return slid-

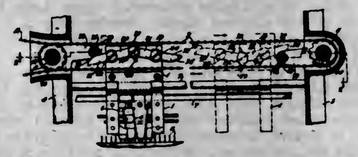
outer shell in the form of a polyhedron of carbon steel, diagonal insulating supports extending inwardly from the edges of said polyhedron to the intersections of spherical segments equal in number to the faces of the polyhedron and

trode, a secondary emitting electrode, and a collecting electrode, all said electrodes being mounted in succession and substantially aligned, electrode means mounted in front of said aligned electrodes for producing a zero potential gradient region beginning a short distance from said aligned electrodes and extending along the path of the electron beams emitted by said aligned electrodes, said electrode means having apertures for the passage therethrough



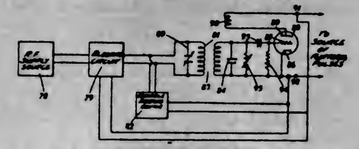
of the electron beams, means adjacent said aligned electrodes and in the short space between said aligned electrodes and said region of zero potential gradient for controlling the speed of the electrons in said beams, and means adjacent said region of zero potential gradient for applying therein a transverse magnetic field for the deflection of the electron beams entering said region.

2,462,060
TRANSMISSION MECHANISM
Paul Barteit, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 10, 1945, Serial No. 615,429
11 Claims. (Cl. 74—37)



1. A transmission mechanism comprising in combination, an endless chain suitably supported and driven in a continuous direction, a carriage to be impelled thereby supported for movement parallel to the chain and clutch means on the carriage consisting of oppositely pivoted clutch arms inwardly extending from their pivots, a toggle connection between the arm inner ends, said clutch arms each being formed with a detent for coupling engagement with the chain, said detents being oppositely extending for engagement alternately with reversely moving tangents of the chain at least one of said clutch arms being formed with spaced recesses, a spring pressed retaining ball supported by the carriage to engage within the recesses and yieldingly retain the arms in the respective shifted positions, and means operative to shift the clutch arms to effect coupling engagement for reversing the motion at the end of each travel motion of the carriage and to act as a safety lock.

2,462,061
HIGH-FREQUENCY ELECTRICAL COMMUNICATION SYSTEM UTILIZING DAMPED OSCILLATIONS
William Arnold Beatty, London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y.
Application January 24, 1941, Serial No. 375,814
In Great Britain November 10, 1939
Section 1, Public Law 690, August 8, 1946
Patent expires November 10, 1959
10 Claims. (Cl. 179—15)



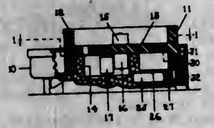
10. A multiplex system for the transmission of intelligence, comprising means for producing a succession of damped oscillations, control means for controlling the amplitude of successive ones of said oscillations in accordance with the amplitudes at successive instances of a number of intelligence signal waves, means for applying a time modulated pulse train to control said means for producing a succession of damped oscillations, and means for variably controlling the pulse duration in accordance with the signal wave amplitudes and over a range which is comparable with the period of said damped oscillations, said last mentioned means comprising means for deflecting an electron beam in a circular trace by high frequency alternating currents in quadrature, a plurality of target structures arranged in the path of said beam to be cyclically scanned by the beam, said target structures being designed to present different traversal areas at different radial displacements, means for controlling the amplitude of the deflection of said beam in accordance with each of said number of signal waves over successive periods determined by the incidence of the beam on successive target structures, and means for collecting from the target structures the determined current pulses of varying duration determined by the momentary radius of the trace.

2,462,062
FUSE
Donald R. Beeman, Wharton, N. J., assignor to the United States of America as represented by the Secretary of War
Application June 23, 1942, Serial No. 448,162
1 Claim. (Cl. 102—79)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A fuse comprising a body portion having a fire communicating passage, a bolt receiving bore across said passage and at an oblique angle thereto, a bolt slideably moveable in said bore between extreme armed and unarmed positions, a second fire-communicating passage in said bolt alignable with the first fire communicating passage in the armed position but rearwardly slideable down said bore in the unarmed position, a detonator in said body in communication with the first fire communicating passage, a portion of the material of said body extending between said detonator and said bolt immediately adjacent to said bolt, said portion being constructed to yield to the pressures produced by the explosion of the detonator when fired while the bolt is in said safe position, whereby to seal the opening between said bolt and said body portion against passage of gases on premature approach of said detonator when said bolt is in the safe position, a cavity in said bolt at its forward side, a sphere loose in said cavity, and a receiving groove for said sphere in said body portion to lock the bolt against return sliding, said groove being of a depth substantially

less than the diameter of the sphere, said cavity being spaced from said groove when the bolt is in said safe position a distance equal to the distance between said safe position and said armed position of the bolt, whereby under the combined action of creep and centrifugal force said sphere is urged toward said groove when said bolt is in the armed position.

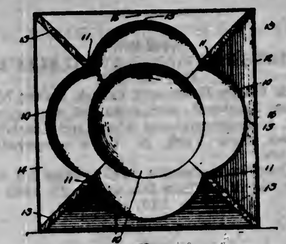
2,462,063
GUIDE MEANS FOR ROTARY OSCILLATING PISTONS OF EXPANSIBLE CHAMBER METERS
Charles P. Bergman, Brooklyn, N. Y., assignor to Rockwell Manufacturing Company, a corporation of Pennsylvania
Application July 26, 1944, Serial No. 546,606
13 Claims. (Cl. 121—68)



11. In a fluid meter having a measuring chamber and a fluid pressure operated piston member of the oscillating type therein; means controlling the oscillatory motion of said piston comprising a guide member mounted on the chamber wall with its axis substantially normal to the axis of oscillation of the meter piston, and connecting means between said piston and guide members operative to impart reciprocating motion to the guide member during the oscillating motion of the meter piston.

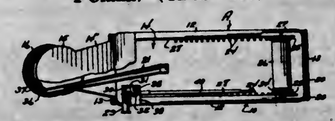
2,462,064
PRESSURE VESSEL FOR STORAGE OF LIQUIDS AT ABNORMALLY HIGH OR LOW TEMPERATURES
Harry C. Boardman, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application October 9, 1944, Serial No. 557,842
8 Claims. (Cl. 220—15)

1. A pressure vessel for storing liquids at extremely high or low temperatures comprising an outer shell in the form of a polyhedron of carbon steel, diagonal insulating supports extending inwardly from the edges of said polyhedron to the intersections of spherical segments equal in number to the faces of the polyhedron and



arranged symmetrically with respect to the sides thereof, the spherical segments being composed of a metal capable of retaining a substantial part of its strength at extreme temperatures, and forming a fluid-tight shell.

2,462,065
SHOE POLISH COMPACT
William J. Bowen and William R. White, Berkeley, Calif.
Application October 22, 1945, Serial No. 623,804
1 Claim. (Cl. 15—135)



In a shoe polisher, the combination, which comprises a rectangular-shaped box-like base having side walls and a bottom and provided with a substantially hollow arm extending from one end with a brush carried at the end of the arm, a tube positioned in the arm extending from the brush to the base to the inner end of which the open end of a collapsible tube of shoe polish may be attached, the side walls of said base formed with resilient arcuate upper edges extending inwardly and downwardly within the base and provided with parallel longitudinally disposed slots in the downwardly extending parts thereof, a roller having gears on both ends and a ratchet wheel on one end positioned in the base with the downturned parts of the side walls resiliently engaging the gears, said base having parallel rows of openings in the bottom thereof positioned to register with the gears at the ends of the roller providing gear racks therefor, an arbor on which the roller is mounted positioned in the base with the ends thereof extending into the slots in the downturned parts of the side walls and with the gears meshing with the said gear racks, an elongated pawl having teeth in the lower edge positioned in the base, a sheath in which the said pawl is slidably mounted positioned to maintain the teeth of the pawl in meshing relation with the teeth of the ratchet wheel of the roller, a bracket at the end of the base from which the brush arm extends on which the said sheath is mounted, a bell-crank pivotally mounted in said bracket with one arm pivotally connected to the elongated pawl, a button slidably mounted in a side wall of the base with an enlarged end extending from the base, means pivotally connecting the inner end of the button to the other arm of the bell-crank whereby inward movement of the button actuates the pawl whereby the roller is moved to force polish from the collapsible tube to the brush, and a cover for the said base.

for permitting limited relative axial displacement between them, an annular body of resilient material secured to said annular member and projecting therefrom, said resilient body having a flat axially directed sealing face adapted to

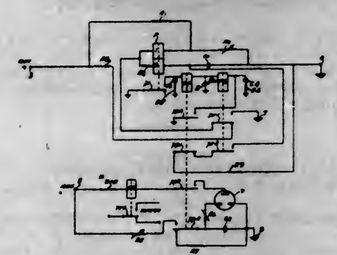
2,462,070
HERMETICALLY SEALED ELECTRIC INSULATOR
Pratulla Kumar Chatterjea and Stephen John Powers, London, England, assignors, by mesne assignments, to International Standard Elec-

between them, and means for applying to the said tube a short pulse synchronizing with each fly-back stroke, the said short pulse being adapted to insure the extinction of the said tube.

2,462,072

ing the inner end of the button to the other arm of the bell-crank whereby inward movement of the button actuates the pawl whereby the roller is moved to force polish from the collapsible tube to the brush, and a cover for the said base.

2,462,066
CIRCUITS FOR GENERATING ELECTRIC IMPULSES
Frederick Harry Bray and Frank Ewart Newton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application November 20, 1943, Serial No. 511,100
In Great Britain December 23, 1942
3 Claims. (Cl. 175—373)

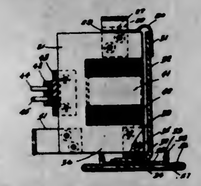


1. A device for periodically opening and closing an external electric circuit comprising a relay, means for causing the periodic movement of an armature of said relay from one of its positions to the other and back to the first position again, adjustable means for controlling the time at which said relay remains in each position, a cold-cathode gas discharge tube having a control electrode, a condenser, means for causing said condenser to charge when the armature of said relay moves to one of its positions, means connecting said condenser with said control electrode whereby the tube will discharge when the charge on said condenser reaches a predetermined amount, adjustable means for controlling the rate of charge of said condenser, switching means connected to said tube and controlled thereby for opening and closing the external circuit, and means for stopping the discharge of said tube when the armature of said relay moves to its other position.

2,462,067
RESILIENT LUBRICANT SEAL
Lawrence R. Buckendale, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application December 1, 1944, Serial No. 566,171
5 Claims. (Cl. 286—11)

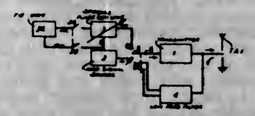
4. In a fluid-tight seal for relatively rotating parts, an annular base member adapted to be attached to one of said parts, an annular member generally surrounding said base member, a flexible annulus interconnecting said members for permitting limited relative axial displacement between them, an annular body of resilient material secured to said annular member and projecting therefrom, said resilient body having a flat axially directed sealing face adapted to engage the other of said parts, and means within said seal enclosed by said members for resiliently urging said members apart in the axial direction.

2,462,068
VIBRATORY POLISHER
Richard R. Butts, Miamisburg, Ohio
Application August 13, 1946, Serial No. 690,141
7 Claims. (Cl. 172—126)



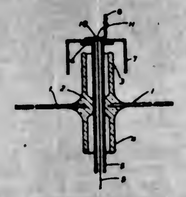
1. In a device of the class described the combination of an open bottomed casing, an electromagnet core rigidly mounted in upright position within the casing, an L-shaped armature assembly mounted for vibratory movement adjacent an upright edge of the core and having the free bottom end thereof turned under in spaced parallelism with the bottom edge of the core, a ball and slot bearing substantially limiting said end of said armature to reciprocation in parallelism with the bottom longitudinal edge of the core, a working plate detachably connected for reciprocation with said free end of said armature, and a working web fixed on the bottom face of said working plate.

2,462,069
RADIO COMMUNICATION SYSTEM
Prafulla Kumar Chatterjea and Leslie Wilfred Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 7, 1943, Serial No. 486,038
In Great Britain May 7, 1942
10 Claims. (Cl. 250—17)



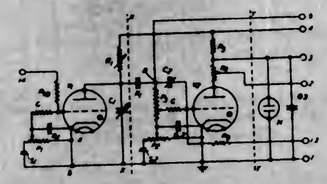
1. Radio communication apparatus comprising normal transmitting means for transmitting signals as a modulation of a normal carrier frequency, emergency transmitting means for transmitting said signals as a modulation of a plurality of carrier frequencies, a device responsive to reception of radio waves at substantially the normal carrier frequency from a source other than said normal transmitting means, and switching means adapted to be operated by said device in response to said reception to switch over from said normal transmitting means to said emergency transmitting means.

2,462,070
HERMETICALLY SEALED ELECTRIC INSULATOR
Prafulla Kumar Chatterjea and Stephen John Powers, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 1, 1945, Serial No. 570,888
In Great Britain February 11, 1944
6 Claims. (Cl. 174—151)



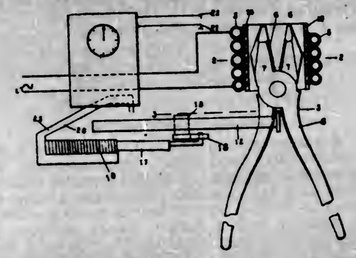
1. A terminal insulated from a metal sheet through an aperture of which said terminal passes, comprising a tubular member of fusible insulating material sealed to said sheet through said aperture, a conductor member smaller than the internal bore of said tubular member passing co-axially therethrough and being sealed to the internal surface of said tubular member at a constricted portion thereof adjacent said seal between said tubular member and said sheet, said constricted portion being located a substantial distance from both ends of said tubular member, and a metal cap member attached to the external end of said conductor member and having a skirt shrouding the end of said tubular member, the internal diameter of said skirt being larger than the external diameter of said tubular member.

2,462,071
GENERATION OF ELECTRIC PULSES
Prafulla Kumar Chatterjea, Dermot Min Ambrose, and James Kinloch Beney, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 30, 1945, Serial No. 585,670
In Great Britain March 30, 1944
6 Claims. (Cl. 179—171.5)



1. A device for generating electric pulses of rectangular shapes comprising means for generating periodic voltage waves having a sawtooth form, a gas filled tube having a grid, means to apply the said waves to the grid of said tube and means for adjusting the bias of said tube so that the tube is fired when the voltage of the applied wave reaches any predetermined value within a certain range, means responsive to the fly-back portion of the said sawtooth wave, to extinguish said tube thus generating a variable leading edge and a relatively fixed trailing edge for each pulse with an adjustable time interval between them, and means for applying to the said tube a short pulse synchronising with each fly-back stroke, the said short pulse being adapted to insure the extinction of the said tube.

2,462,072
PROCESS OF INDUCTIVELY HEATING PLIERS
Falih N. Darmara, Utica, N. Y., assignor to Utica Drop Forge & Tool Corporation, Whitestown, N. Y., a corporation of New York
Application December 18, 1943, Serial No. 514,816
2 Claims. (Cl. 219—13)



1. In the process of inductively hardening the opposed cutting edges and the irregular outer surface of the head portions of a pair of pliers, said cutting edges facing each other and comprising an integral part of the inside of said head portions, respectively, said pliers comprising at least a first and a second member each having a pivotable body portion connected together by a metal-to-metal pivotal connection with each member including said head portion and the cutting edge thereon extending away from one side of the pivotal connection, said first member having the inner end of its cutting edge integrally terminating with the pivotable body portion thereof and the inner end of the cutting edge of the second member terminating next adjacent to the pivotable body portion of the first member and defining a space therebetween, said inner terminating end of the cutting edge and said pivotable body portion of the first member being movable relative to each other, said members being composed of metal hardenable by heating and quenching, the process of inductively heating the cutting edges and the outer surface of the head portions of the pliers which comprises the steps of positioning the head portions pivotably open to space the cutting edges from each other, providing a coil having an inner surface defining an aperture having a substantially rectangular cross-section which is noncomforming to the irregular shape of said pivotally spaced head portions, said aperture having a cross-sectional area amply large to receive the pivotally spaced head portions with an appreciable and irregular air gap between said head portions and said inner surface, said coil having an entrance end and a terminal end, inserting the movable head portions of the pliers in the aperture with the pivotal connection located near said entrance end and with the cutting edges of the head portions extending in substantially the same general direction as the axis of the coil, energizing said coil with high frequency current of at least 10,000 cycles per second to thereby establish high frequency magnetic lines of flux extending in the same general direction as the axis of the coil and to establish opposite magnetic poles at the ends of the coil having a distance between the

poles greater than the length of the cutting edges, said lines of flux thereby establishing a heating current which flows about each head portion and the cutting edge thereon and in a plane

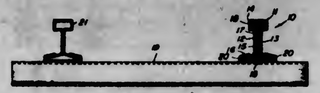
2,462,075
T SQUARE GAUGE
John F. Donahue, Philadelphia, Pa.
Application November 7, 1946, Serial No. 708,266
1 Claim. (Cl. 33—180)

energize the solenoid and cause stopping of the motor when the pump raises the liquid to a predetermined higher level, said last named means embodying electrically controlled holding means for maintaining the switch open after it has been

and first grid electrode respectively; a third resistance connecting the cathode to the negative terminal of the said source; a condenser connecting the anode to the first grid electrode; means for applying a constant positive potential to the third grid electrode with reference to the nega-

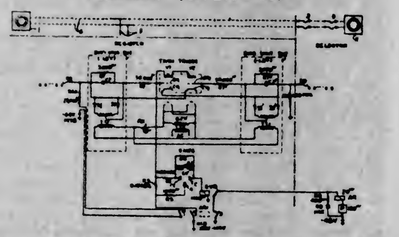
poles greater than the length of the cutting edges, said lines of flux thereby establishing a heating current which flows about each head portion and the cutting edge thereon and in a plane substantially perpendicular to the cutting edge, maintaining said head portions in said magnetic field until the cutting edges and the outer surface of the head portions are heated to a hardening temperature, and then removing the head portions from the magnetic field.

2,462,073
MINIATURE RAILROAD RAIL
Edward J. Daughton, Elmwood Park, Ill.
Application September 15, 1947, Serial No. 774,134
3 Claims. (Cl. 191—22)



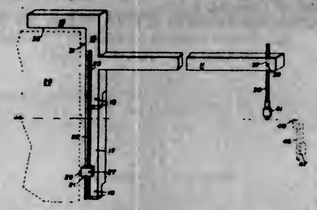
1. A miniature railroad rail, comprising a pair of electrically conductive complementary rail half-sections disposed in spaced parallel relation, each of said half-sections comprising a strip angulated to form a partial hollow head portion, a web member and a hollow flange portion, inturned bonding members provided on said head and flange portions, and a filler of insulating and bonding material provided between and within said half-sections to maintain the half-sections in rigid, spaced and insulated relationship, said bonding members being embedded in said filler.

2,462,074
BIASING POTENTIAL SWITCHING SYSTEM
Gerald Deakin, New York, N. Y., and Henry F. Herbig, Summit, N. J., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application January 5, 1946, Serial No. 639,287
7 Claims. (Cl. 179—18)



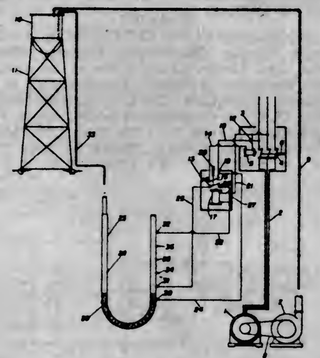
1. In a switching system, means for discharging electrons in two separate streams including grid, cathode and anode in each stream, a common receiving circuit connected to the anodes, means including magnet-operated stepping switches for applying a number of discrete potentials, one at a time to each grid, means for maintaining the discrete potentials applied to the grid in one stream in a constant relation with the potentials applied to the cathode in the other stream, the potential maintaining means including a resistance in series with each grid, a source of D. C. potential connected between said resistance and the potential applying means, and means operated from said common receiving circuit to control at least one of the stepping switch magnets when the discrete potentials applied to the different grids bear a predetermined relationship.

2,462,075
T SQUARE GAUGE
John F. Donohue, Philadelphia, Pa.
Application November 7, 1946, Serial No. 708,246
1 Claim. (Cl. 33—180)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A T-square gauge comprising a longitudinal bar, a crosshead on said bar provided with longitudinal grooves and having a leg portion at an angle thereto extending opposite said bar, a first contact point on an edge of said crosshead, a carrier engaged slidably in said grooves of said crosshead, a second contact point on the face of said carrier, and a third contact point on the edge of said leg portion, said first and second contact points being adapted to contact the face of a coupling and said third contact point being adapted to contact the periphery of such coupling simultaneously, and an extensible micrometer mounted proximate the end of said longitudinal bar parallel to said crosshead.

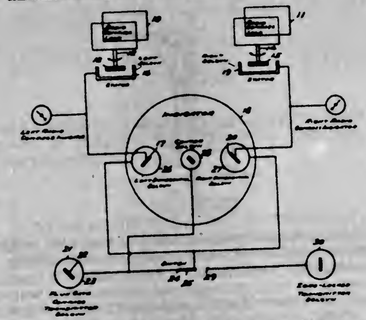
2,462,076
TANK FILLING CONTROL
James Burton Dryden, Carlsbad, N. Mex.
Application January 27, 1945, Serial No. 574,955
9 Claims. (Cl. 103—25)



1. In a control system for supplying liquid by a pump to a container, an electric motor for driving the pump, a line connection for the motor, a switch for the motor line, a solenoid for controlling the switch, a circuit for the solenoid, a spring biased switch in said circuit, and means controlled by the level of the liquid in the container for so controlling the solenoid circuit switch that said switch will be closed by the bias of its spring to energise the solenoid and cause operation of the motor when the liquid falls below a predetermined minimum level and will be opened against the bias of the spring to de-

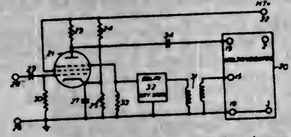
energise the solenoid and cause stopping of the motor when the pump raises the liquid to a predetermined higher level, said last named means embodying electrically controlled holding means for maintaining the switch open after it has been opened and until the liquid again falls to the first predetermined level.

2,462,077
NAVIGATIONAL SYSTEM
Llewellyn G. Daggar, Montgomery, Ala.
Application March 19, 1946, Serial No. 655,540
11 Claims. (Cl. 343—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a navigational system having a radio compass and a north seeking compass, a self synchronous transmitter arranged to duplicate the angular position of the radio compass antenna, a self-synchronous transmitter arranged to duplicate the angular position of said north seeking compass, an indicator device having a differential self-synchronous receiver, means for connecting said radio compass self synchronous transmitter and said north seeking compass self synchronous transmitter to said differential self synchronous receiver whereby said differential self synchronous receiver indicates the angular position of the radio compass loop as modified by the north seeking compass reading.

2,462,078
OSCILLATION GENERATOR
Charles William Earp, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application September 10, 1945, Serial No. 615,417
In Great Britain September 15, 1944
11 Claims. (Cl. 250—36)



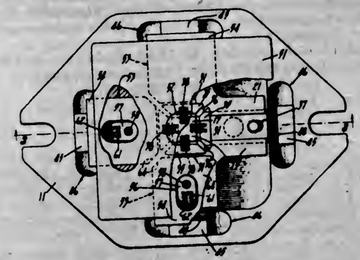
1. A stabilised electric multivibrator comprising a thermionic valve having in the order named, a cathode, first, second, and third grid electrodes and an anode; an operating source therefor having a substantially constant unidirectional potential; first and second resistances connecting the positive terminal of the said source to the anode

and first grid electrode respectively; a third resistance connecting the cathode to the negative terminal of the said source; a condenser connecting the anode to the first grid electrode; means for applying a constant positive potential to the third grid electrode with reference to the negative terminal of the said source; a resonant circuit connected in series with the cathode; and means for deriving output pulses from the second grid electrode.

2,462,079
APPARATUS FOR DRYING HAIR
Esther R. Elder, Pasadena, Calif., assignor of forty per cent to William R. Harriman, Hendo, ten per cent to Esther Anne Harrington, Pasadena, and ten per cent to Mary Ellen Peachman, San Francisco, Calif.
Application August 8, 1945, Serial No. 609,143
4 Claims. (Cl. 34—100)

1. In a hair drier, a hood having a space for the user's head and comprising an inner and an outer shell defining a downwardly extending, annular passage, the inner shell having an opening spaced from the edge of the hood, motor-driven air-moving means in said inner shell arranged to move air through said opening in a circuit through the passage and said space, a series of ports in the outer shell at least part way around the hood, a manifold over the ports, means to supply anhydrous gas connected with the manifold, the ports being arranged to project jets of the anhydrous gas crosswise of the movement of air in the circuit, and heating means disposed to heat fluid in the passage.

2,462,080
APPARATUS FOR SHAPING CONTAINERS
George C. Erb, Forest Hills West, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 28, 1944, Serial No. 570,148
5 Claims. (Cl. 153—25)



1. In a reforming die mechanism for converting a metallic tubular member having a side wall and a bottom into a cornered container, the combination of a vertically movable chuck disposed beneath and supporting the tubular member preparatory to reforming the same, a die part vertically movable towards and away from said chuck to clamp the bottom of the tubular member against the chuck, squeezer jaws carried by and

movable with said movable die part and also individually movable relative thereto, said jaws being located exteriorly of the tubular member while the latter is supported by said chuck, means disposed in the path of vertical movement of said die part towards said chuck for engaging and moving said squeezer jaws inwardly relative to

said plates and limbs and spaced from said anode forming a second gap between said plates and anode, and a metallic disc sealed into the wall of the device and forming part of a hollow resonator, said disc being positioned between said first and second gaps and having an aperture therein to allow of the passage of the electron

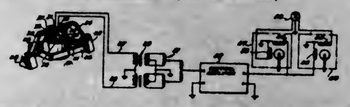
ment being rigidly attached to said metal conductor, said metal conductor being secured in

resonators, said antenna being less than a quarter wave length long at the highest operating frequency.

2,462,086
ELECTRON DISCHARGE DEVICE
John Heaver Fremlin and Stanley Gordon Tem-

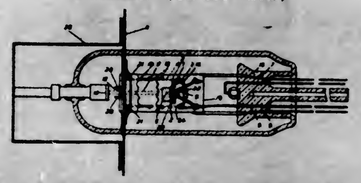
movable with said movable die part and also individually movable relative thereto, said jaws being located exteriorly of the tubular member while the latter is supported by said chuck, means disposed in the path of vertical movement of said die part towards said chuck for engaging and moving said squeezer jaws inwardly relative to the die part to engage and reshape the side wall of the tubular member by pressing inwardly against peripherally spaced parts thereof, whereby to form corners at the unpressed portions of the tubular member, and means for limiting vertical movement of said chuck in opposite directions before and during the die reshaping operation.

2,462,681
SERVOMOTOR SYSTEM
Orland E. Esval, Huntington, N. Y., assignor to The Sperry Corporation, a corporation of Delaware
Application August 22, 1947, Serial No. 770,681
26 Claims. (Cl. 318—19)



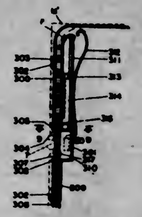
2. In a servo system for selectively operating a pair of servomotors in response to two variables, said servomotors each having two field windings, means for producing a signal voltage having a predetermined time phase for each of said variables and having a magnitude responsive to the magnitude of each of said variables, amplifying means for said voltage, means connecting said amplified voltage in parallel circuit with one field winding of each servomotor, and energising means for the other field winding of each servomotor, said energising means comprising two phase displaced voltages respectively arranged to be in phase unison with the time phase of the voltage occasioned by the occurrence of one of said variables and in approximate quadrature phase relation to the time phase occasioned by the other of said variables.

2,462,682
THERMIONIC VALVE
John Foster, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 28, 1942, Serial No. 463,701
In Great Britain December 19, 1941
8 Claims. (Cl. 250—27.5)



1. An electron discharge device for use at ultra high frequencies comprising a cathode, a control grid, and an anode, a U-shaped metallic member having flat parallel limbs containing said cathode and grid spaced from the base thereof, a pair of metallic plates substantially in the planes of said limbs and spaced in the direction of electron flow from said limbs forming a first gap between said plates and limbs and spaced from said anode forming a second gap between said plates and anode, and a metallic disc sealed into the wall of the device and forming part of a hollow resonator, said disc being positioned between said first and second gaps and having an aperture therein to allow of the passage of the electron stream therethrough.

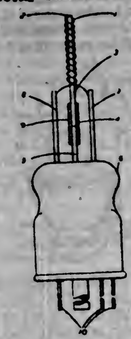
2,462,683
FILM HANDLING APPARATUS AND MAGAZINE FOR USE THEREWITH
Warren Dunham Foster, Eustis, Fla.
Application May 18, 1944, Serial No. 536,128
111 Claims. (Cl. 88—16.4)



10. In a magazine adapted for use with a film handling apparatus, said magazine including a substantially rectangular casing with a recess formed in an edge wall thereof, a film being housed within said casing and passing from a delivery coil within said casing through a first opening in an edge wall adjacent the upper edge of said recess and across said recess and to the interior of said casing through a second opening in said edge wall of said recess aligned with said first opening and adjacent the lower front edge of said recess, said edge wall of said recess being formed with such openings, a presser member, means for loosely supporting said presser member in said recess parallel to and adjacent the side of the film relatively distant from the front opening of said recess and between it and the back of said recess, and a leaf spring connected to said presser member and extending backwardly therefrom away from the film and toward the back of said recess for engagement with and compression by operating means disposed upon an apparatus with which the magazine is adapted to be employed, a side of said recess normal to the plane of said presser member being open for the reception of said operating means, said presser member being disposed inert and adjacent the plane of the film prior to the reception of said operating means.

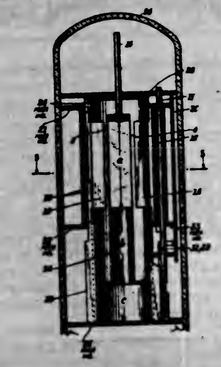
2,462,684
MOUNTING OF FILAMENTS IN VACUUM TUBES
Christopher Henry Foulkes, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application March 26, 1945, Serial No. 584,753
In Great Britain June 6, 1944
5 Claims. (Cl. 250—27.5)

2. A helical filament for an electric vacuum tube in the form of a multiple helix, fixed conducting supports, the ends of said filament being rigidly fixed to said conducting supports, an additional fixed conducting support having an open-ended socket, a metal conductor passing coaxially through said helical filament and having one end engaging said cylindrical socket, said filament being rigidly attached to said metal conductor, said metal conductor being secured in



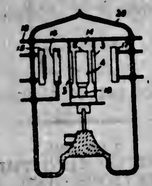
said socket in such position that said helical filament is substantially free from localized mechanical strain.

2,462,685
ULTRA HIGH FREQUENCY OSCILLATOR
John Heaver Fremlin, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 2, 1943, Serial No. 512,577
In Great Britain December 4, 1942
7 Claims. (Cl. 250—27.5)



1. An ultra-high frequency oscillator of the velocity modulation type comprising a source of an electron beam, means for controlling the mean velocity of the electrons in said beam, said source and said controlling means defining a beam path, a first cavity resonator provided with an aperture therethrough mounted about said beam path adjacent said source for velocity modulating electrons in said beam, a second cavity resonator provided with an aperture therethrough mounted about said beam path adjacent said first cavity resonator for collecting ultra-high frequency energy from the velocity modulated electrons, said cavity resonators both being provided with an open side, said cavity resonators being mounted with said open sides adjacent each other, and an antenna mounted on said resonators adjacent said open sides for capacitively loading said resonators, said antenna being less than a quarter wave length long at the highest operating frequency.

2,462,686
ELECTRON DISCHARGE DEVICE
John Heaver Fremlin and Stanley Gordon Tomlin, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 26, 1945, Serial No. 584,818
In Great Britain December 6, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires December 6, 1963
2 Claims. (Cl. 315—5)



2. A method of manufacturing an electric oscillation generator of the electron velocity modulation type adapted to generate oscillations of a given frequency which includes constructing a hollow resonator of the coaxial-line-type for the said generator adapted to resonate slightly above the given frequency, screwing a screw through the outer line of said resonator, locating fusible material in the neighborhood of the joint between the screw and the outer line, supplying oscillations at the given frequency to excite the resonator, connecting the resonator to a wave detector, adjusting the screw to vary the portion extending inside the resonator towards the interior line thereof until the detector indicates maximum excitation of the resonator, assembling the resonator in an enclosing envelope, and heating the resonator to melt the fusible material for the purpose of sealing the joint.

2,462,687
ELECTRON DISCHARGE DEVICE OF THE VELOCITY MODULATION TYPE
John Heaver Fremlin, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 13, 1945, Serial No. 588,207
In Great Britain April 19, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires April 19, 1963
14 Claims. (Cl. 315—5)

1. An electron discharge apparatus of the electron velocity modulated type comprising a cavity resonator having an entrance aperture and an exit aperture in the wall thereof, said apertures being in alignment on opposite sides of the axis of said resonator, means adjacent said entrance aperture for producing and projecting a beam of electrons through said apertures, means adjacent said exit aperture for reflecting said beam of electrons back into said cavity resonator after emergence of said beam of electrons from said exit aperture, means for producing a field intermediate said cavity resonator and said reflecting means, for deflecting said beam of electrons after emergence thereof from said exit aperture, and means for collecting said beam of reflected electrons, positioned inter-

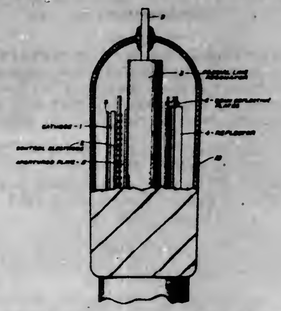
mediate said exit aperture and said means for producing and projecting said beam of electrons,

confined to a single side of said overarm that adjoins said standard thereby to offset said overarm completely in outboard relation to said high portion of the support standard for permitting unrestricted swinging movement of said overarm

and short parallel arms straddling the forearm and pivotally mounted thereto providing movement of the stock from a collapsed to an extended position and coacting means on each short parallel arm and the forearm to releasably retain the stock in the collapsed position, a hook-like

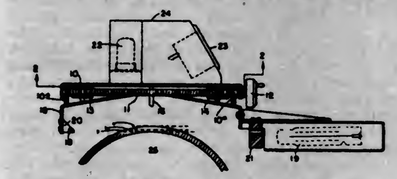
a signaling voltage superimposed upon said carrier voltage and adjusted at full load to be approximately equal thereto when impressed upon the resistance units while they are in the conducting condition, and means for also maintaining approximate equality of said voltages when impressed upon the resistance units while

mediate said exit aperture and said means for producing and projecting said beam of electrons,



which means are out of alignment with said apertures.

2,462,088
METHOD OF MEASURING THICKNESS OF CURVED SECTIONS AND APPARATUS THEREFOR
Herbert Friedman, Arlington, Va.
Application October 24, 1944, Serial No. 560,090
9 Claims. (Cl. 250—83)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



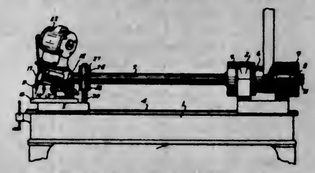
1. The method of measuring the thickness of curved sections of solid material by passing radiation into the curved surface in a direction to emerge through the same surface, comprising, arranging a source of radiation and a detector so that the received radiation is a narrow beam normal to a radius of curvature of the section, moving said radiation source and detector toward the section while maintaining the beam of radiation normal to a radius, detecting the beginning of decrease in intensity of received radiation at the detector and the beginning of its increase, the amount of motion of the source and detector between sharp changes of received radiation intensity being a measure of the thickness of the section.

2,462,089
CABINET CULINARY APPLIANCE
Marshall H. Frisbie, Hamden, Conn., assignor to The A. C. Gilbert Company, New Haven, Conn., a corporation of Maryland
Application January 24, 1944, Serial No. 519,513
16 Claims. (Cl. 259—1)

1. In a collapsible household food mixing appliance the combination of, a support standard, an elongated rigid overarm, a driven rotor for detachably holding a food mixing tool and rotating the same at a free end of said overarm about an axis disposed crosswise the latter, a pivotal joint coupling the other end of said overarm to a high portion of said support standard, said joint being confined to a single side of said overarm that adjoins said standard thereby to offset said overarm completely in outboard relation to said high portion of the support standard for permitting unrestricted swinging movement of said overarm

relative to said standard between a horizontal working position and an idle position extending upward and a collapsed position extending downward in which latter position the length of said overarm flanks the length of said standard.

2,462,090
WOOL CUTTING MACHINE AND METHOD
Charles E. Galvin, Springfield, Ohio, assignor, by decree of distribution and assignment, to Reece M. Carey, Springfield, Ohio
Application August 3, 1940, Serial No. 350,170
19 Claims. (Cl. 29—4.5)

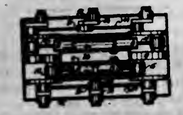


1. An apparatus for production of metallic wool, including means for mounting a length of thick, solid walled metallic tubing for rotary motion, and a rotary cutter eccentrically mounted in overlapping relation with a terminal face of the stock material and having traveling cutting engagement therewith at one side only of the axis of rotation of the stock, in a plane inclined to said axis, and means for differentially rotating the stock tubing and the cutter whereby the stock tubing rotates at a greater speed than the cutter, the arrangement being such that a plurality of parallel spiral cuts are simultaneously made upon a conical terminal face of the tubing.

2,462,091
COLLAPSIBLE STOCK FOR FIREARMS
John C. Garand, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application June 3, 1946, Serial No. 674,005
3 Claims. (Cl. 42—72)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

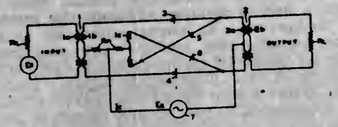
3. In a firearm having a forearm and a collapsible shoulder stock including a pair of long and short parallel arms straddling the forearm and pivotally mounted thereto providing movement of the stock from a collapsed to an extended position and coacting means on each short parallel arm and the forearm to releasably retain the stock in the collapsed position, a hook-like camming projection on the pivoted end of each long parallel arm, a ferrule secured to the rear end of the forearm, said ferrule having an arcuate slot disposed on one side thereof, a rotatable latch transversely mounted in said ferrule, said latch being provided with a cam ear on each end thereof, a lever-like member on one end of said latch above one of said ears, an inwardly facing lug on said lever adapted to engage said arcuate slot, and resilient means biasing said latch forwardly, all adapted and arranged whereby said hook-like camming projections are cammed past said ears rotating said latch rearwardly when the collapsible stock is swung from the collapsed to the extended portion and whereby said latch returns to the original position under the bias of said resilient means rotating said ears beneath said hook-like camming projections to positively lock the collapsible stock in an extended position relative to the forearm.

2,462,092
OPPOSED PISTON ENGINE
Gustav R. Gehrandt, Evanston, Ill.
Application January 26, 1945, Serial No. 574,713
28 Claims. (Cl. 123—51)



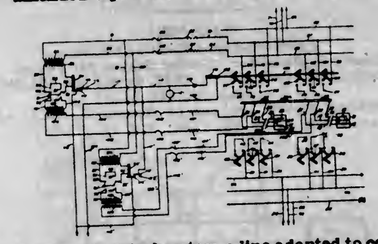
1. In an opposed piston engine, a pair of laterally spaced crankshafts, an engine cylinder intermediate the shafts, opposed pistons operating in the cylinder, means connecting the pistons with the respective proximate shaft, power take-off from said shafts, connecting means between said shafts, and additional power take-off means from said connecting means, intermediate said shafts, the said connecting means embodying a connecting rod, and the said additional power take-off means embodying a crankshaft to which said rod is connected.

2,462,093
MODULATOR
Edgar S. Grimes, Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 22, 1945, Serial No. 617,993
22 Claims. (Cl. 179—171.5)



1. A modulator of the reversing switch type comprising at least two pairs of oppositely poled variable resistance units adapted to be rendered cyclically conductive and non-conductive in pairs in alternating sequence by the positive and negative half waves of an applied carrier voltage, means for applying said carrier voltage to said modulator, means for applying to said modulator a signaling voltage superimposed upon said carrier voltage and adjusted at full load to be approximately equal thereto when impressed upon the resistance units while they are in the conducting condition, and means for also maintaining approximate equality of said voltages when impressed upon the resistance units while they are in the non-conducting condition.

2,462,094
ELECTRICAL SAFETY INTERLOCKING SYSTEM
James B. Grover, New York, N. Y.
Application June 30, 1945, Serial No. 602,632
7 Claims. (Cl. 171—97)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In an electrical system, a line adapted to connect a power source and a load, circuit breaking means in said line adapted to be disposed in open-circuit or closed-circuit relation, and a by-pass circuit connected across the circuit breaking means including a first transformer and a second transformer, the primary winding of the first transformer being connected to the power source part of the line, the primary winding of the second transformer being connected to the load part of the line, the secondary windings of the transformers being connected in series in opposed relation, a second line adapted to connect a second source of power with an electromagnetic device for retaining the circuit-breaking means in open circuit relation upon flow of current in the second line, a switch in the second line, and a relay responsive to flow of current in the by-pass circuit during existence of a short circuit condition at the load for closing the switch in the second line to permit flow of current in the second line.

2,462,095
RATE CIRCUITS
Percy Halpert, Kew Gardens, and Carl A. Frische and John L. Bird, Lake Success, and Oriand E. Esval, Huntington, N. Y., assignors to The Sperry Corporation, a corporation of Delaware
Original application August 19, 1941, Serial No. 407,460. Divided and this application June 27, 1942, Serial No. 448,794
6 Claims. (Cl. 178—44)

1. In a rate circuit comprising a source of first signal votage, a first differentiating means for producing a second signal voltage corresponding to a time derivative of said first signal voltage, said differentiating means including an adjustable resistance element connected to provide said second signal voltage thereacross, a second differentiating means connected with said resistance element for producing from second signal voltage a third signal voltage corresponding to a time derivative of said second signal voltage, said second differentiating means including an element having resistance across which said third

signal voltage is produced, and variable resistance means for supplying a component of said

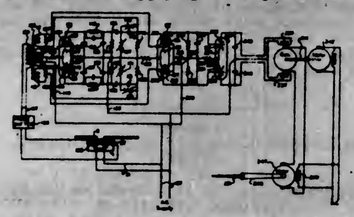
the driving means to maintain, through one range of pressure of elastic fluid supplied to the compressor, a substantially constant gauge pressure of the elastic fluid delivered by the compressor relative to the supply pressure, and means for

---

2,462,099
ROCKET PROJECTILE
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application May 15, 1946, Serial No. 669,786
2 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as

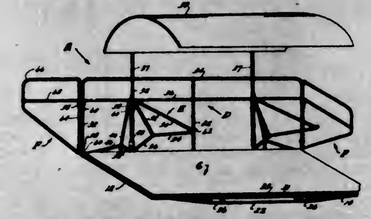
control pulse and the signal pulse to produce a pulse having a relatively steep wave front, current-control means responsive to the timed leading edge of the control pulse for initiating the flow of current and responsive to the steep pulse for halting the flow of current, whereby the resultant output pulse from said current-control means varies in duration in accordance with the

signal voltage is produced, and variable resistance means for supplying a component of said



second signal voltage to said last mentioned element.

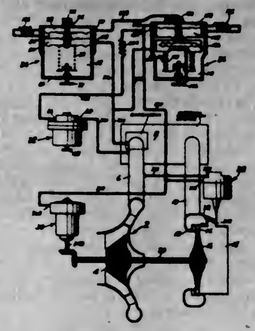
2,462,096
LITTER LOADING DEVICE
Harry S. Hamilton, United States Air Forces
Application November 7, 1947, Serial No. 784,640
4 Claims. (Cl. 248—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A litter loading device which comprises, in combination, a tubular floor supporting frame, a floor fast on said frame, transverse box girders secured to the underside of said floor supporting frame for receiving the fork of a fork lift, locking screws for securing said girders on to said fork, a back structure of welded together tubing extending upwardly from the rear of said floor supporting structure at right angles thereto, bracing between said floor supporting structure and said back structure, a pair of tubular litter supporting brackets hinged to said back structure set in from the ends of said back structure, a pair of end gates hinged to said back structure at the ends thereof, whereby said gates and said brackets may be swung from their normal plane which is at right angles to the plane of said back structure to a plane which is substantially parallel to the plane of the back structure, locking means on said gates and said brackets for retaining them in their normal plane, and a canopy supported on posts extending upwardly from said back structure only.

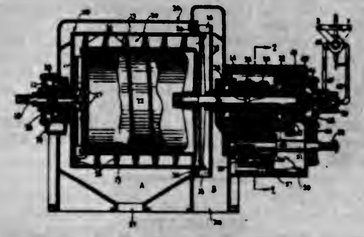
2,462,097
CONTROL SYSTEM
Winfield R. Heinz, Bound Brook, and Arthur E. Kittredge, Audubon, N. J., and John G. Williams, Philadelphia, Pa.; said Williams assignor, by mesne assignments, to Turbo Engineering Corporation, a corporation of Delaware, and said Heinz and Kittredge assignors, by mesne assignments, to Penn Industrial Instrument Corporation, a corporation of Pennsylvania
Application April 6, 1944, Serial No. 529,764
15 Claims. (Cl. 230—5)

1. In combination, a compressor, means for driving the compressor, and means for controlling the driving means to maintain, through one range of pressure of elastic fluid supplied to the compressor, a substantially constant gauge pressure of the elastic fluid delivered by the compressor relative to the supply pressure, and means for



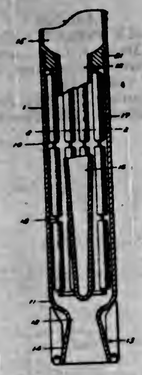
controlling the driving means to maintain, through another range of pressure of the elastic fluid supplied to the compressor, a substantially constant absolute pressure of the elastic fluid delivered by the compressor.

2,462,098
CONTINUOUS CENTRIFUGAL MACHINE
Joseph Hertrich, Hamilton, Ohio, assignor to The Western States Machine Company, Hamilton, Ohio, a corporation of Utah
Application January 7, 1944, Serial No. 517,309
17 Claims. (Cl. 210—69)



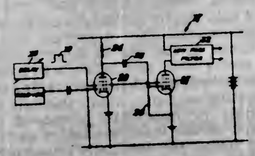
1. In combination, a centrifugal basket having a substantially cylindrical wall to hold material for centrifugal treatment, means to rotate the basket, a rotary feed screw coaxial with and having a helical member adjacent the inside of said basket wall to engage material therein, means for charging material into the basket, means for relatively reciprocating the basket and the screw in axial direction to advance material in the basket a step therealong on one stroke of each reciprocation, periodically operative means for relatively rotating the basket and the screw to unscrew said helical member with respect to such advanced material, said periodically operative means including means movable to interrupt said relative rotation during said one stroke and acting to cause said relative rotation during the other stroke of each reciprocation, and an outlet in the basket adjacent an end of said helical member for discharging centrifuged material.

2,462,099
ROCKET PROJECTILE
Clarence N. Hickman, Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War
Application May 15, 1946, Serial No. 669,786
2 Claims. (Cl. 102—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



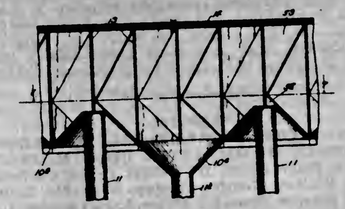
1. In a rocket, a nose section having an apertured rear wall, a tube forming a combustion chamber secured to said nose section over and about said aperture, and a burster tube secured within said aperture in fluid-tight relation with said nose section, said burster tube extending axially through said combustion chamber and having a cross sectional arear decreasing from said aperture to the rear end thereof.

2,462,100
DEMODULATOR SYSTEM FOR TIME MODULATED PULSES
Max G. Hollabaugh, Jackson Heights, N. Y., assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application April 18, 1946, Serial No. 663,126
9 Claims. (Cl. 250—27)



1. A demodulator for time modulation pulse systems in which a signal pulse varies from a given time position according to its modulation, comprising a control pulse source producing pulses of constant duration, said duration being at least as great as the maximum range of time displacement of the signal pulses due to modulation, means for timing one of said control pulses substantially to coincide in time with a corresponding signal pulse so that the control pulse has a fixed time relationship to the unmodulated position of the signal pulse and covers the entire range of time displacement thereof, means responsive to the coincidence of the timed control pulse and the signal pulse to produce a pulse having a relatively steep wave front, current-control means responsive to the timed leading edge of the control pulse for initiating the flow of current and responsive to the steep pulse for halting the flow of current, whereby the resultant output pulse from said current-control means varies in duration in accordance with the time modulation of the signal pulse.

2,462,101
ELEVATED TANK
George T. Horton, Chicago, Ill., assignor to Chicago Bridge & Iron Company, a corporation of Illinois
Application September 28, 1944, Serial No. 556,153
7 Claims. (Cl. 220—1)



1. An elevated steel tank having a bottom comprising a central inverted truncated cone supported by a riser pipe at its truncated vertex, a plurality of upright cones intersecting with said inverted cone and with each other to form the bottom of the tank, side walls connected to the outer cones, and a roof connecting the side walls.

2,462,102
MODULATED REFLECTING-RESONANT TARGET
Edwin J. Istvan, Cleveland, Ohio
Application August 2, 1945, Serial No. 608,568
11 Claims. (Cl. 343—18)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A target unit for aerial operation comprising in combination, aerial means for carrying the unit through the atmosphere, an antenna for reflecting and retransmitting signals of predetermined wave length from an external source, means carried by said aerial means for supporting the antenna and coupling and uncoupling said antenna periodically in such a manner as to vary the reflection of said signals in a predetermined manner.

2,462,103
PREPARATION OF ALPHA-KETO-DIHYDRONAPHTHALENE
Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 23, 1946,

trolled ratio, the ratio being at least one atom of primary impurity for each atom of secondary impurity, the amount of a secondary impurity being at least approximately $\frac{1}{10}$% by weight of the phosphate, the amount of primary impurity being equivalent to potassium .350% to 1.000%,

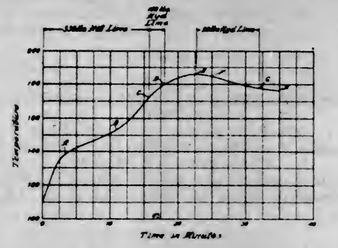
2,462,106
ELECTRIC TRANSFORMER
Walter Kram, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 26, 1946, Serial No. 665,047

2,462,109
SYNCHRONIZED PULSE GENERATOR
Maurice Moise Levy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 15, 1944, Serial No. 526,605
In Great Britain April 28, 1943

2,462,103
PREPARATION OF ALPHA-KETO-DIHYDRONAPHTHALENE
Robert Johnson, Verona, Pa., assignor to Koppers Company, Inc., Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application March 23, 1946, Serial No. 656,782
11 Claims. (Cl. 260—590)

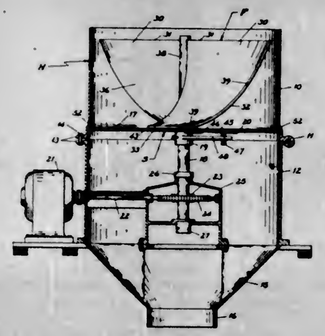
1. A process for the synthesis of alpha tetralone from tetralin, the steps comprising: oxidizing tetralin in liquid phase with oxygen containing gas to a controlled degree whereby the oxidation product includes a major proportion of tetralin peroxide; decomposing the oxidation product by addition thereto of aqueous solution of a copper salt of a mineral acid; settling the mixture and decanting therefrom decomposition product comprising tetralin and alpha tetralone; separating the alpha tetralone from the tetralin by fractional distillation; and converting alpha tetralol present in the alpha tetralone to dihydronaphthalene and separating substantially pure alpha tetralone therefrom by fractional distillation.

2,462,104
MANUFACTURE OF CRYSTALLINE ANHYDROUS MONOCALCIUM PHOSPHATE
William Hugh Knox, Jr., Robert Taylor Cochran, and William Remfry Crudup, Nashville, Tenn., and Warren Standish Miller, Lake Charles, La., assignors to Victor Chemical Works, a corporation of Illinois
Application September 15, 1943, Serial No. 502,474
6 Claims. (Cl. 23—109)



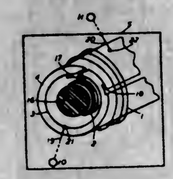
1. The method of forming crystalline anhydrous monocalcium phosphate substantially free from pyrophosphate which comprises reacting hot highly concentrated orthophosphoric acid with lime, the lime being added in the form of quick lime at such a rate as rapidly to produce a temperature of approximately 153° C. and until the mixture is less than semi-fluid, then adding quick lime at a reduced rate sufficient to produce a temperature of about 172° C. before a neutralizing quantity of lime has been added, then completing neutralization with hydrated lime at such a rate as to produce a peak temperature in excess of 180° C., and then adding an additional quantity of hydrated lime at a slower rate, the total lime being sufficient to produce a neutralizing value less than 95 and above 80, and introducing into the above mass a selected primary and secondary impurity, the primary impurity being selected from the group consisting of sodium, potassium, lithium, ammonium, and zinc, and the secondary impurity being selected from the group consisting of aluminum, tin, rion, cadmium and boron in controlled ratio, the ratio being at least one atom of primary impurity for each atom of secondary impurity, the amount of a secondary impurity being at least approximately $\frac{1}{10}$% by weight of the phosphate, the amount of primary impurity being equivalent to potassium .350% to 1.000%, sodium .206% to .590%, ammonium .154% to .437%, lithium .063% to .180%, and zinc .580% to 1.660%.

2,462,105
ROTARY POTATO SLICER
Silas M. Kobey, Denver, Colo., assignor to Potato Chip Equipment Corporation, Denver, Colo., a corporation of Colorado
Application December 17, 1945, Serial No. 635,463
6 Claims. (Cl. 146—124)



1. In a machine for slicing potatoes or the like, the combination of a cylindrical housing mounted vertically and having an upper cylindrical section pivotally attached to a lower cylindrical section, and also having an inverted conical section beneath said lower section adapted to act as a collecting spout; a generally horizontal, rotatable disc having oppositely disposed horizontal sectors of limited radial extent, and sloping sectors extending between said horizontal sectors, said sloping sectors being inclined downwardly in a direction opposite to the direction of rotation of said disc, said housing being provided with an inwardly extending ledge around and just above said disc and said upper housing section extending to just below said disc; a pivotal sector attached by a hinge or the like to the remainder of each sloping sector and forming a portion thereof, said pivotal sectors being of limited radial extent; means for rotating said disc about the axis of said housing; a pair of oppositely disposed slicing blades mounted on the leading edge of each horizontal sector; means for vertically adjusting each said pivotal sector; and means for feeding potatoes or the like to said slicing means, including equally spaced radial wings forming compartments above said slicing means, each said wing converging toward said disc so as to form a restricted space above said disc of decreasing height in the direction of rotation of said disc, the angle of the rear surface of each wing to said plane decreasing toward the periphery thereof, each said wing being relatively thick adjacent the inside thereof to provide a lesser slope of the forward surface thereat than of the rear surface, and the outer edge of each wing conforming to said housing.

2,462,106
ELECTRIC TRANSFORMER
Walter Kram, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 26, 1946, Serial No. 665,047
In Great Britain April 27, 1945
7 Claims. (Cl. 178—44)



1. A double screened electrical transformer comprising a substantially cylindrical core, a secondary winding on the said core, a substantially cylindrical inner screen surrounding the secondary winding, a susbtantially cylindrical outer screen surrounding the inner screen, each screen having a narrow gap therein running parallel to the axis of the core, a primary winding over the outer screen and a connecting lead tapped off at a point on each screen, the said tapping points being so chosen that the undesired difference of the potentials of the said points resulting from the electromotive forces induced to the screens by alternating currents in the windings is brought within a specified limit, means for deriving from the alternating flux in the core of the transformer a potential difference acting between the screens to oppose the said undesired difference of potential, and means for adjusting the resultant potential difference substantially to zero.

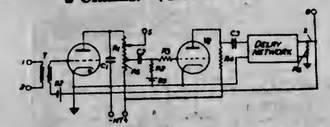
2,462,107
PROCESS FOR PREPARATION OF DIACETYL
Theodore Kritchevsky, Chicago, Ill., assignor to Ninol Development Co., Chicago, Ill.
No Drawing. Application May 3, 1943, Serial No. 485,514
9 Claims. (Cl. 260—596)

1. In a method of preparing diacetyl, the step which comprises contacting 2,3-butanediol in the vapor phase with a dehydrogenating catalyst at dehydrogenating temperatures in the substantial absence of oxygen.

2,462,108
WARP SIZING MATERIAL
Fred G. La Piana, Providence, R. I., assignor to Stein, Hall & Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 25, 1945, Serial No. 607,088
6 Claims. (Cl. 106—210)

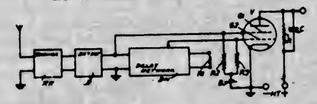
1. A composition comprising as its primary and essential components, from about 40 to 70 per cent of a starch selected from the group consisting of corn and wheat starches and from about 60 to 30 per cent of waxy maize starch, said composition being characterized by giving cooked aqueous dispersions which are substantially non-gelling at room temperature and being adapted for providing a flexible, tough and abrasion resistant warp sizing.

2,462,109
SYNCHRONIZED PULSE GENERATOR
Maurice Moise Levy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application March 15, 1944, Serial No. 526,605
In Great Britain April 28, 1943
3 Claims. (Cl. 250—36)



1. A circuit for generating periodic electric waves of sawtooth form and for synchronizing them in a submultiple of the frequency of a controlling wave comprising a relaxation oscillator for generating said sawtooth waves, a pulse generator for converting the waves into unidirectional synchronizing pulses at the submultiple frequency, a delay network connecting the pulse generator to the oscillator for applying the pulses thereto and means for applying said controlling wave to said oscillator simultaneously with said pulses.

2,462,110
DEMODULATION OF TIME-MODULATED ELECTRICAL PULSES
Maurice Moise Levy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application May 30, 1944, Serial No. 538,062
In Great Britain June 1, 1943
13 Claims. (Cl. 250—27)



1. A source of a train of short phase-modulated electrical pulses of substantially constant duration and an arrangement for demodulating said phase modulated train of short electrical pulses comprising delay means for obtaining from the said train a delayed train of which each pulse overlaps in time the following pulse of the original train, the delay being of a value differing from the unmodulated time spacing of the pulses of said train by a predetermined amount, means for combining each pair of overlapping pulses thus producing a train of pulses whose durations vary in accordance with the modulating signal wave, and means for extracting the said signal wave from the derived train of pulses.

2,462,111
MULTICHANNEL PULSE DISTRIBUTOR SYSTEM
Maurice Moise Levy, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application July 2, 1945, Serial No. 602,883
In Great Britain May 26, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires May 26, 1964
4 Claims. (Cl. 179—15)

1. In a multi-channel electrical communication system in which the intelligence wave of each

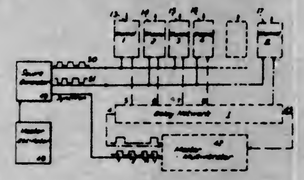
channel is transmitted as a modulation of a series of electrical pulses, a distributor system comprising a delay network, means associated therewith to provide timed phase pulses for rendering the channels cyclically and successively operative, means for applying to the respective channel

2,462,113
WAX INJECTION APPARATUS
Samuel Lipsen, Hyman Rosenthal, and Harold Marinus, Philadelphia, Pa.
Application January 11, 1946, Serial No. 640,629
2 Claims. (Cl. 18—30)

adapted to be elevated by the firing pin on forward movement thereof, resilient means adapted to depress the sear whereby said cam surfaces will interengage, a generally rectangular sear slide having end portions reversibly mounted in the bolt in rear of said sear and slidable through the

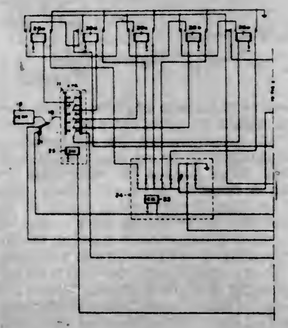
2,462,116
LEAK TESTING FIXTURE FOR VALVES
Angus MacLachlan, New York, N. Y.
Application May 28, 1946, Serial No. 672,903
1 Claim. (Cl. 73—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

channel is transmitted as a modulation of a series of electrical pulses, a distributor system comprising a delay network, means associated therewith to provide timed phase pulses for rendering the channels cyclically and successively operative, means for applying to the respective channel equipments auxiliary electrical pulses of rectangular wave form whose durations define the



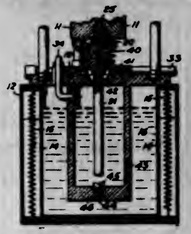
channel periods, said auxiliary pulses having a repetition frequency equal to the number of channels fed in parallel multiplied by the distributor frequency, said channel equipments being arranged so as to be operated only when a distributor selector pulse and an auxiliary electrical pulse occur together at said channel equipments.

2,462,112
TELEGRAPH SYSTEM
George G. Light, Alexandria, Va., and Russell E. Hanford, Forest Hills, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 10, 1945, Serial No. 582,020
5 Claims. (Cl. 178—4)



1. In a telegraph system, a normally closed transmitting circuit, a tape transmitter for transmitting to said circuit, a perforated tape having messages stored therein for controlling said transmitter with said messages separated by predetermined perforations, means controlled by any character perforation in said tape on the advancement thereof into said transmitter following passage of said predetermined message separating perforations therethrough to open said transmitting circuit for a predetermined length of time and means to prevent operation of said transmitter during said open circuit condition and to automatically start operation of the same at the end of said open circuit condition.

2,462,113
WAX INJECTION APPARATUS
Samuel Lipson, Hyman Rosenthal, and Harold Markus, Philadelphia, Pa.
Application January 11, 1946, Serial No. 640,629
2 Claims. (Cl. 18—30)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

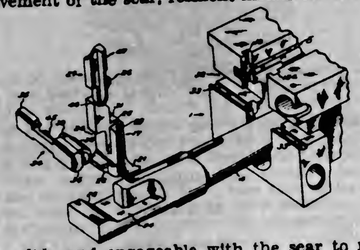


1. In an injection apparatus for making models of an object to be precision cast, the combination of a substantially closed container having a bottom, side walls and top and further having in the container top an opening which normally is open to the outside atmosphere, means for charging said container with a quantity of a suitable casting material, heating means in proximity to said container for melting said casting material, a valve seat in the uppermost portion of the opening in said container's top, a valve comprised of an upper nozzle-like body portion which protrudes above and mates with said valve seat and of a lower stem portion which extends from the body portion down through the container's top to a point beneath the level of said casting material therein, said valve having a channel which axially extends entirely therethrough from the uppermost end of the body portion to the lowermost end of the stem portion, a valve seat which forms the uppermost end of the said container top opening and which coacts with said valve's body portion to close and seal said opening whenever downward pressure is applied to said valve, a mold cavitied with the desired object pattern and having a cavity inlet at the mold bottom, means for connecting said inlet with said valve's nozzle portion and for exerting downward pressure to force the valve to mate with said valve seat and close the said container top opening, and means thereafter effective for introducing gas under pressure into the interior of said container whereby to force said molten casting material upwardly through said valve's stem and body portions and into said mold cavity and thereby fill same from the bottom in a way which expels all cavity air from the mold ahead of the rising casting material.

2,462,114
SEAR RELEASE MECHANISM
John L. Lochhead, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War
Application January 3, 1946, Serial No. 638,905
1 Claim. (Cl. 89—136)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

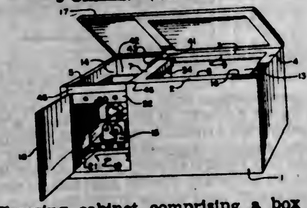
In a gun, a reciprocable breech bolt, a firing pin device provided with a cam surface adjacent its rear end and movable relative to the bolt, a vertically movable sear carried by the bolt and provided with a transverse slot across the rear face thereof and a lower cam surface complemental to the firing pin device cam surface and

adapted to be elevated by the firing pin on forward movement thereof, resilient means adapted to depress the sear whereby said cam surfaces will interengage, a generally rectangular sear slide having end portions reversibly mounted in the bolt in rear of said sear and slidable through the transverse slot thereof, a pair of oppositely disposed ribs on either end portion of said slide which mount the slide in the bolt and one of which ribs is engageable with the lower surface defining the slot in said sear to prevent upward movement of the sear, resilient means carried by



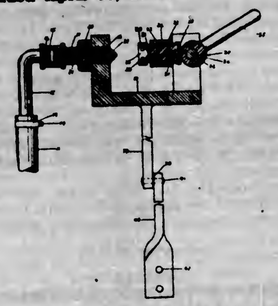
the slide and engageable with the sear to normally urge the slide into a position where said one rib will engage the sear to prevent upward movement, aforesaid, a downwardly inclined cam surface centrally provided on said slide, and a sear bar mounted on said bolt and sear for vertical movement and provided with a cam surface engageable with the cam surface on said slide operable upon downward movement of said bar to move said slide to a position where said one rib will be removed from the path of upward movement of the sear.

2,462,115
FREEZING CABINET WITH REFRIGERATING REMOVABLE UNIT
Harry F. Luecke, Herndon, Va.
Application June 10, 1946, Serial No. 675,743
5 Claims. (Cl. 62—116)



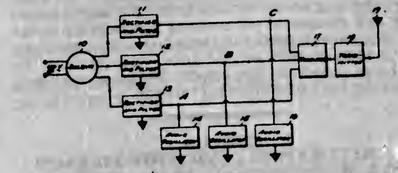
1. Freezing cabinet comprising a box having an open-topped freezing compartment and a compressor unit compartment having an opening through the front and also open at the top, a partition separating said compartments, the walls of said freezing compartment, including said partition, being heat insulated, a groove across said partition communicating with said compartments, freezing apparatus comprising a compressor unit removably contained in said compressor unit compartment, an evaporator removably contained in said freezing compartment, and flexible refrigerant connections between said compressor unit and said evaporator of such length as to permit sequential removal of said compressor unit and said evaporator from said cabinet without the necessity of breaking said connections, said connections passing through said groove, and a lid for said cabinet overlying said compartments and groove.

2,462,116
LEAK TESTING FIXTURE FOR VALVES
Angus MacLachlan, New York, N. Y.
Application May 28, 1946, Serial No. 672,903
1 Claim. (Cl. 73—49)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In valve testing apparatus, a fitting comprising a conical seat which fits a predetermined aperture of the valve, a plunger comprising an abutment head which fits the valve opposite the aperture, a frame supporting the fitting and supporting the plunger with its abutment head in opposed relationship to the seat, the frame comprising a guideway for movement of the plunger towards or away from the fitting, actuating mechanism including a cam operable to actuate the plunger towards the fitting and to hold the valve with the selected aperture thereof in seating engagement with the seat, a fluid passage through the fitting and extending through the seat in communication with the selected valve aperture, a base comprising a mounting for the frame enabling its movement relative to the base, the mounting comprising a connection controlling movement of the apparatus in a direction laterally and downwardly to a position laterally away from the base.

2,462,117
SELSYN TRANSMISSION BY RADIO
Ward C. Mikkelson and Jacob Anthes, United States Army
Application April 12, 1945, Serial No. 588,048
1 Claim. (Cl. 177—337)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A system for indicating at a remote point the angular position of the rotor of a self-synchronous generator having at least three fields comprising means for establishing three separate audio frequency voltages, means for rectifying the alternating current voltage output of each of the generator fields, means for combining each of said rectified voltages with the output of one of said audio frequency voltages, the amplitude of each of said resultant audio frequency voltages being

dependent upon the relative angular position of the generator rotor, means for combining said resultant audio frequency voltages to obtain a composite voltage wave, means for establishing a radio frequency carrier, a modulator for modulating said carrier with said composite voltage

and adapted to be secured therein, said lock-screw member being provided with an exterior annular groove having a gas port extending radially therethrough communicating with said bore, and an adjusting member having an axial hole therethrough rotatably and removably dis-

zontal base plate, a series of vertical radially arranged plates, each plate defining a miter joint plane of the elbow, a vertical arcuate plate joining the extremities of said plates, a second arcuate plate spaced from said first arcuate plate and concentric therewith, and a series of vertical

catayist dissolved in an organic non-complex forming solvent which is liquid at the reaction temperature to form a polymer, discharging said polymer into heated water containing a water-insoluble soap of a fatty acid having 16 to 18 carbon atoms per molecule and a metal selected from the group, consisting of magnesium, zinc,

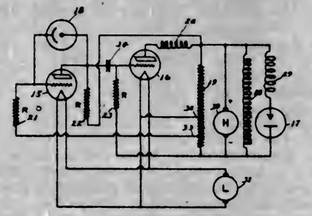
dependent upon the relative angular position of the generator rotor, means for combining said resultant audio frequency voltages to obtain a composite voltage wave, means for establishing a radio frequency carrier, a modulator for modulating said carrier with said composite voltage wave, means for transmitting said modulated carrier wave, means for receiving and demodulating said modulated carrier wave to obtain a composite oscillatory signal, means for separating said composite oscillatory signal into three separate audio frequency components, means for rectifying and filtering each of said three audio frequency components to obtain a direct current voltage, means for combining each of said direct current voltages with an oscillatory voltage of audio frequency to obtain a resultant oscillatory voltage, means for utilizing said three resultant oscillatory voltages to form three overlapping fields and means for giving indications in accordance with the resultant of said three overlapping fields.

2,462,118

TORPEDO EXPLODING MECHANISM

Chester T. Minkler, Newport, R. I.

Application December 6, 1932, Serial No. 646,019
22 Claims. (Cl. 114—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A torpedo exploding device, comprising a first thermionic tube, a second thermionic tube, the output of said first tube being operatively connected to the control electrode of said second tube, means for maintaining the proper differences of potential between the cathodes and anodes of said tubes, means for maintaining the proper bias on said first tube and for normally maintaining the control electrode of said second tube at such a potential with respect to the potential of its cathode and anode that relatively little current flows from the anode of said second tube, light responsive means connected between the grid and anode of said first tube and responsive to a change of intensity of light energy striking it to cause a relatively large flow of current from the anode of said second tube, and current responsive means in the anode circuit of said second tube for exploding said torpedo.

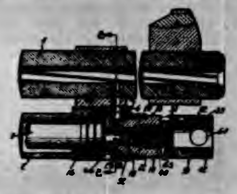
2,462,119

GAS REGULATING DEVICE FOR FIREARMS

Cyril A. Moore, Springfield, Mass., assignor to the United States of America as represented by the Secretary of War

Application June 28, 1946, Serial No. 680,106
6 Claims. (Cl. 89—193)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A gas-regulator device for a gas-operated firearm comprising in combination, a cylindrical lock-screw member having a bore therethrough insertable in the gas-cylinder tube of the firearm and adapted to be secured therein, said lock-screw member being provided with an exterior annular groove having a gas port extending radially therethrough communicating with said bore, and an adjusting member having an axial hole therethrough rotatably and removably disposed within said bore of said lock-screw mem-



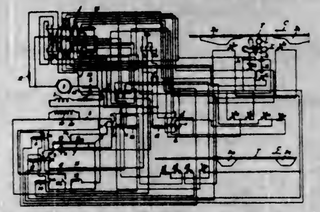
ber and including a rear shank portion which is provided with a series of ports therein communicating with said axial hole, all adapted and arranged whereby said adjusting member may be rotated so that said ports thereof may be selectively aligned with said gas port of said lock-screw member.

2,462,120

SPEED CONTROLLING MEANS FOR DIRECT CURRENT MOTORS

Georges Gabriel Mozzanini, La Garenne Colombes, and Maurice Lebertre, Neuilly-sur-Seine, France

Application April 11, 1945, Serial No. 587,712
In France December 15, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires December 15, 1961
6 Claims. (Cl. 318—259)



1. In combination with a movable part, a direct current motor adapted to drive said part, a power supply supplying armature current to said motor; means for rapidly decelerating said motor to a stop upon the failure of said power supply which includes: an auxiliary circuit adapted to connect the armature of said motor to its field winding; electrical control means adapted to establish said auxiliary circuit to effect connection of said armature to said field winding upon the failure of said power supply, and a reversing switch in said auxiliary circuit responsive to a direction of current in said motor armature and adapted to direct said motor armature current through said field in the decelerating direction regardless of the direction of said armature current.

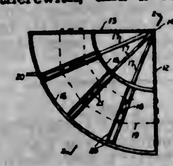
2,462,121

JIG FOR FORMING MITERED PIPE JOINTS

George Muhlack, Philadelphia, Pa.

Application March 5, 1946, Serial No. 652,205
3 Claims. (Cl. 113—102)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A jig for manufacturing a mitered pipe elbow comprising a framework including a horizontal base plate, a series of vertical radially arranged plates, each plate defining a miter joint plane of the elbow, a vertical arcuate plate joining the extremities of said plates, a second arcuate plate spaced from said first arcuate plate and concentric therewith, and a series of vertical



pairs of plates between said arcuate plates, each of said pairs of plates being in spaced relation with a miter-joint plane centrally therebetween, each pair of parallel spaced plates having aligned recesses in the upper edges thereof forming a cradle for adjacent mitered ends of the elbow joint.

2,462,122

METHOD OF CASTING, FORGING, AND HEAT-TREATING CAST IRON GRINDING BALLS

Manley R. Nelson, Denver, Colo., assignor to The Stearns-Roger Manufacturing Company, Denver, Colo., a corporation of Colorado

No Drawing. Application May 2, 1944, Serial No. 533,803
4 Claims. (Cl. 148—12)

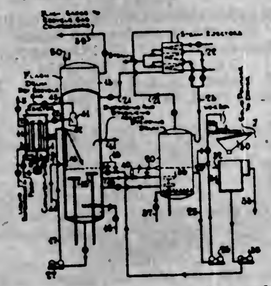
1. A method of producing a grinding ball which comprises pouring cupola melted iron into a mold, to produce a cast iron sphere having a pearlitic structure; permitting said sphere to cool in said mold; removing said sphere from said mold; heating said sphere to a hot forging temperature; hot forging said sphere to reduce the volume and increase the density while maintaining the spherical shape thereof; heating said sphere to an elevated temperature and quenching to harden the same; and tempering said sphere at a predetermined lower temperature to produce a predetermined toughness.

2,462,123

PROCESS FOR INCORPORATING ANTIOXIDANTS INTO SYNTHETIC RUBBERY ISOBUTYLENE POLYMERS

Joseph F. Nelson, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 14, 1945, Serial No. 610,839
12 Claims. (Cl. 260—93)



2. The process which comprises polymerizing isobutylene at a temperature between —40° C. and —160° C., in contact with a Friedel-Crafts catalyst dissolved in an organic non-complex forming solvent which is liquid at the reaction temperature to form a polymer, discharging said polymer into heated water containing a water-insoluble soap of a fatty acid having 16 to 18 carbon atoms per molecule and a metal selected from the group, consisting of magnesium, zinc, aluminum and calcium and further containing a suspension of a non-volatile anti-oxidant selected from the group consisting of aromatic amines, aminophenols and 2,4,6-trialkyl phenols in order to flash off the volatile reaction liquid and maintain the polymer in finely divided form, separating the polymer particles from the water, withdrawing the volatilized materials, subjecting the volatilized materials to a recovery treatment and recycling the recovered material to the polymerization.

2,462,124

MANUFACTURE OF AMINO ACIDS

Carl Neuberg and Hilda Lustig, New York, N. Y., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio

No Drawing. Application January 19, 1946, Serial No. 642,431
4 Claims. (Cl. 260—529)

1. The method of obtaining purified amino acids from an aqueous hydrolysate of proteinous matter which comprises adding to the aqueous hydrolysate a sulfate of a metal from the group consisting of copper and nickel and also adding an alkaline earth hydroxide, removing the precipitated solids, and converting the dissolved amino acid-metal compounds into free amino acids.

2,462,125

ELECTROPHORETIC COATING OF METAL ARTICLES

Lesley Francis Oakes, Alexandria, near Sydney, Australia, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 29, 1944, Serial No. 528,619. In Australia July 23, 1943
11 Claims. (Cl. 204—181)

1. In a process for coating a metal article with an inorganic refractory substance by electrophoresis; the step that comprises making the article the anode of two electrodes in a bath having substantially the following composition expressed in proportions based on weight:

	Parts
An organic liquid of the class consisting of acetone and methanol	100
Inorganic refractory substance	3 to 20
A dispersive agent	0.3 to 1

said dispersive agent being a mixture consisting of an alkylolamine and nitrocellulose each constituting at least 5% by weight of the said dispersive agent.

2,462,126

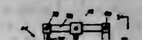
LATHE ATTACHMENT

Thomas D. Peat, New York, N. Y.

Application September 7, 1945, Serial No. 615,066
4 Claims. (Cl. 82—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a lathe having a taper attachment including an angle base, table and connecting slide; a contour-duplicating attachment comprising a template detachably secured to said table, roller means adjustably secured to said connecting slide for following said template,

a compressed-air chamber having a plunger and stem mounted upon said base, a support mounted upon said base, a crossarm rotatably secured at one end to said plunger stem and at the other

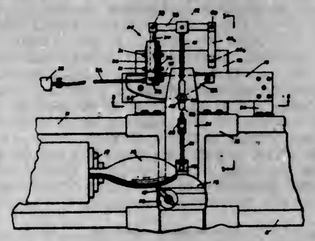


opposite grid laterally inclined in the opposite direction, and extending along a portion of said first movable grid; a second longitudinally movable grid also inclined laterally oppositely to said first movable grid and extending from said stationary grid to a point beyond the end of said

alternatively for semi-automatic and full automatic fire, said mechanism comprising a trigger housing, a trigger pivoted in said housing, a hammer pivoted in said housing, a sear pivoted in said trigger for holding said hammer cocked, a slidable bolt having a firing pin therein, and an operating slide for sliding said bolt, reciprocable

respective rows for moving the typewheel different distances so that one or the other row is in printing position, depending upon which lever is actuated, means for selectively determining which

a compressed-air chamber having a plunger and stem mounted upon said base, a support mounted upon said base, a crossarm rotatably secured at one end to said plunger stem and at the other



end to said support, and a connecting member rotatably secured to said crossarm and to said connecting slide and responsive to the air pressure in said air chamber yieldably to hold said roller means against said template.

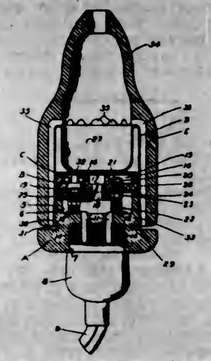
2,462,127
MEANS FOR ELECTRICALLY CONNECTING WIRES TO TERMINALS
John Richard Pheasey and Robert James Maddock Andrews, London, England, assignors to International Standard Electric Corporation, New York, N. Y.
Application October 22, 1946, Serial No. 704,976
In Great Britain September 20, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires September 20, 1965
2 Claims. (Cl. 173—324)

1. A wire connector comprising a tubular member having means for mounting one end thereof on a base, said member having its opposite end disposed at an angle with respect to said mounting end, said member being provided with an aperture disposed on the outside of the angle and adjacent said mounting end, whereby a plurality of electrical wires may be inserted through an end of said member and through the aperture of said member together with the solder for producing a soldered joint among said wires and said member.

2,462,128
BEET HARVESTING MEANS
David J. Reach, Avery A. Clark, and George W. Rienks, Denver, Colo., assignors to The Great Western Sugar Company, Denver, Colo., a corporation of New Jersey
Application April 25, 1944, Serial No. 532,594
20 Claims. (Cl. 55—108)

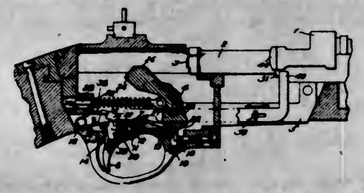
1. Mechanism of the character described, comprising a first longitudinally movable grid laterally inclined to the vertical; a relatively stationary opposite grid laterally inclined in the opposite direction, and extending along a portion of said first movable grid; a second longitudinally movable grid also inclined laterally oppositely to said first movable grid and extending from said stationary grid to a point beyond the end of said first movable grid; and spiking means associated with said second movable grid for impaling beets and moving the same to a point adjacent the end of said second movable grid.

2,462,129
ELECTRIC VAPORIZER
Joseph Robinson, New York, N. Y.
Application November 1, 1946, Serial No. 707,289
3 Claims. (Cl. 128—192)



1. An electric vaporizer comprising in combination, a base having an opening therein, a wall across said opening, terminal means extending through said wall, an electric plug removably engageable with said terminal means below said wall, said plug serving as a switch for opening and closing the electric circuit, a heater mounted on said base and provided with contact means having circuit engagement with said terminal means, a container housing said heater and a portion of said base, said container being anchored to said base to tie the parts in the assembled position with said heater contact means and said terminal means in circuit engagement, and a cover covering said container to insulate the container and to direct the vapors to the nasal passages.

2,462,130
AUTOMATIC MECHANISM FOR CARBINES
Ross Rudd, Springfield, Mass.
Application February 27, 1947, Serial No. 731,199
3 Claims. (Cl. 89—141)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an attachment for the firing mechanism of a gun whereby said mechanism can be operated

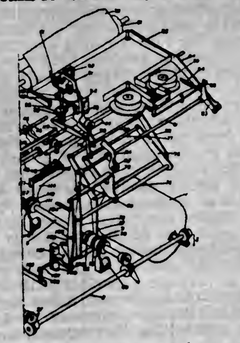
alternatively for semi-automatic and full automatic fire, said mechanism comprising a trigger housing, a trigger pivoted in said housing, a hammer pivoted in said housing, a sear pivoted in said trigger for holding said hammer cocked, a slidable bolt having a firing pin therein, and an operating slide for sliding said bolt, reciprocable on recoil and counter-recoil, the combination of a cam plate pivoted in said housing and having a cam shoulder and an upstanding head; a trigger bar slidably mounted on said housing, having an operating finger on its rear end and a post on its forward end, and spring-biased rearwardly; and a stud adjustably mounted in said operating slide for operative and inoperative positions to condition the mechanism for full automatic and semi-automatic fire, respectively, the parts being so related that the hammer is cocked by the bolt on recoil of said slide, and when said stud is adjusted to inoperative position, for semi-automatic fire, the cocked hammer is released to impinge against said firing pin by releasing the sear by squeezing the trigger, and that, when said stud is adjusted to operative position for full automatic fire, on counter-recoil of said slide the stud contacts said post, sliding said bar forwardly, the forwardly moving finger of said bar, contacting said head of said cam plate, rocks said plate, said cam shoulder of the plate rocks the sear, and said hammer is released to impinge against said firing pin.

2,462,131
SOLDERING IRON
Eugene H. Eustin, Brooklyn, N. Y.
Application October 14, 1942, Serial No. 461,979
2 Claims. (Cl. 113—109)

1. A soldering iron comprising a head having a bore extending therethrough, a shank extending laterally from the head and provided with a bore extending longitudinally therethrough, a nozzle extending through the bore of the head and provided with a convex lower end, the nozzle being provided with a comparatively narrow elongated passage extending axially therethrough with its upper end open to the atmosphere and having its upper portion of greater diameter than its lower portion, said passage being adapted, when the nozzle is heated and its lower end is dipped in molten solder, to draw the solder therein by capillary attraction, and means removably securing the nozzle to the head, said shank providing means through the medium of which the nozzle may be manipulated and providing means for conducting heat to the nozzle.

2,462,132
TYPE WHEEL POSITIONING MECHANISM FOR PRINTING TELEGRAPH APPARATUS
Reginald Dennis Salmon, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application January 11, 1945, Serial No. 572,344
In Great Britain January 15, 1944
15 Claims. (Cl. 197—53)

14. Printing telegraph receiver comprising a typewheel having the type thereon arranged in two rows, means for rotating the typewheel selectively, means including a cam and two levers having different effects and corresponding to the respective rows for moving the typewheel different distances so that one or the other row is in printing position, depending upon which lever is actuated, means for selectively determining which

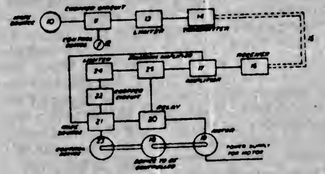


of said two levers is to be actuated on each rotation of said cam, means effective for each character received to rotate said cam, and means for printing from a row of type on said typewheel when said row is in printing position.

2,462,133
PROCESS OF TREATING PREGNENE COMPOUNDS
Lewis H. Sarett, Princeton, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application July 14, 1945, Serial No. 605,194. Divided and this application February 23, 1946, Serial No. 649,768
4 Claims. (Cl. 260—397.3)

1. The process that comprises partially esterifying $\Delta^{4,5}$-3,11-diketo-17,20,21-trihydroxypregnene by reaction with substantially the theoretical quantity of an acylating agent required to esterify one hydroxyl group, reacting the resultant ester with an oxidizing agent, and recovering a mixture containing $\Delta^{4,5}$-3,11,20-triketo-17-hydroxy-21-acyloxypregnene and $\Delta^{4,5}$-3,11,17-triketoandrostene.

2,462,134
REMOTE CONTROL ARRANGEMENT
Charles Thomas Scully, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 14, 1942, Serial No. 462,024
In Great Britain September 30, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires September 30, 1961
9 Claims. (Cl. 318—18)



1. An electrical remote control system, comprising first and second stations and a transmitting medium extending therebetween, means

at said first station for generating electrical pulses time modulated in accordance with the control to be effected at the second station, comprising a source of oscillations of given frequency, an electron discharge device having a grid, means

2,462,136
HEAT EXCHANGER AND METHOD OF MAKING SAME
Samuel H. Smith, Bucyrus, Ohio
Application May 24, 1945, Serial No. 595,502

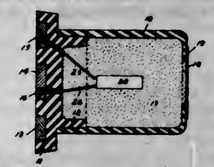
facing one of said open ends, an electron-reflecting electrode facing the other of said open ends, and means adjacent said source of electrons for shielding the surfaces of the anode arms from electrons emitted from said source.

---

inder of substantially uniform wall thickness and having a bore which provides said working surface, said inner cylinder being continuous and imperforate in at least the zone of sliding contact, a cuprous blanket surrounding the inner cylinder in a substantially uninterrupted manner, and an intermediate layer, the intermediate layer

at said first station for generating electrical pulses time modulated in accordance with the control to be effected at the second station, comprising a source of oscillations of given frequency, an electron discharge device having a grid, means for coupling said source of oscillations to said grid, means for biassing said grid for operation only in response to positive half waves from said source, said coupling means including a capacitor adjustable in accordance with the remote control to be effected, at the second station an electric motor for effecting the desired control, means for receiving from the transmitting medium the time modulated pulses, a source of locally generated pulses with synchronizing connection to the time modulated pulses received to have a repetitive rate at said given frequency, means for modulating said locally generated pulses in accordance with the condition of the apparatus to be controlled, said modulating means being similar to the modulating means at the first station and including a variable capacitor with means connecting the same to the controlled device, means for comparing the received modulated pulses and means for controlling thereby said motor.

2,462,135
ROCKET PRIMER
Leslie A. Skinner, Washington, D. C., assignor to the United States of America as represented by the Secretary of War
Application April 6, 1944, Serial No. 529,763
3 Claims. (Cl. 102—70.2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

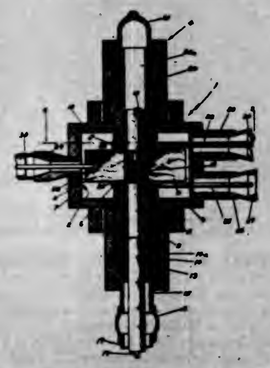


1. An electrical igniter adapted to be inserted in the nozzle opening of a rocket projectile and adapted to establish electrical contact with the pair of electrical switches provided in the rocket launcher, comprising, in combination, a plastic cup provided with internal threads at its mouth and with a centrally located hole in its bottom, a plastic circular plate provided with an annular flange externally threaded for screwing into the said threaded mouth of the cup, a cloth disc somewhat larger than the said cup hole and adapted to be shellac-adhered to the outside of the cup to close the said hole, an outer metal ring and an inner metal disc moulded in the said plastic plate with their exposed surfaces flush with the outer face of the plastic plate to furnish a pair of electrical contacts, the said plastic plate having a pair of drilled holes, one drill hole passing through the said outer ring and the other drill hole passing through the said inner disc, an electrically-fired primer positioned within the said plastic cup with its two lead wires soldered in the two said drilled holes, the edge of the said plastic plate being beveled to the taper of the said rocket nozzle and adapted to be press fitted in the nozzle, the said cup being received within the expansion nozzle of the rocket projectile with the said outer ring and inner disc positioned at the said rocket nozzle to be contacted by the said pair of electrical switches of the launcher irrespective of the angular position of either the electrical igniter or the rocket projectile.

2,462,136
HEAT EXCHANGER AND METHOD OF MAKING SAME
Samuel H. Smith, Bucyrus, Ohio
Application May 24, 1945, Serial No. 595,502
10 Claims. (Cl. 257—130)

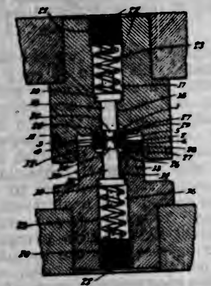
1. The method of making heat exchangers comprising the steps of making a plurality of elongated parallel slits in the central part of a piece of thin, flat metal, thereby forming a plurality of strips connected at their ends to the marginal portion of the piece of metal, turning said strips alternately in opposite directions through approximately right angles about their longitudinal center lines for approximately their full lengths and thereby bringing the side surfaces of each strip opposite to surfaces of adjacent strips which were originally parts of the same surface of the metal piece, assembling in each opening defined by a pair of such adjacent, turned strips an elongated hollow member which comprises a plurality of spaced parallel flat tubes and approximately fills said opening, and connecting said tubes and the adjacent strips and filling the spaces therebetween by bringing molten metal into said spaces.

2,462,137
ELECTRON DISCHARGE DEVICE
William V. Smith, Medford, Mass, assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application February 26, 1946, Serial No. 650,358
6 Claims. (Cl. 250—27.5)



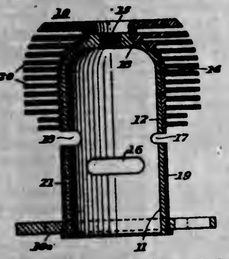
1. An electron-discharge device comprising a cathode, an anode structure spaced from said cathode and including a pair of anode arms which, together with that portion of the anode structure lying therebetween, defines a cavity resonator open at both ends, a source of electrons facing one of said open ends, an electron-reflecting electrode facing the other of said open ends, and means adjacent said source of electrons for shielding the surfaces of the anode arms from electrons emitted from said source.

2,462,138
METHOD OF MAKING SELF-ALIGNING BALL BEARINGS
Alfred L. Spangenberg, Los Angeles, Calif., assignor to Halfco, Inc., Los Angeles, Calif., a corporation of California
Application November 28, 1945, Serial No. 631,246
3 Claims. (Cl. 29—149.5)



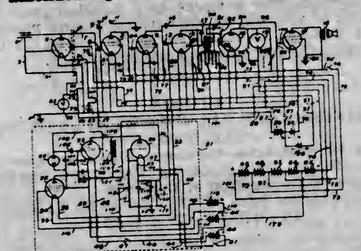
1. The method of securing a ball in an annulus within the limits of a determined tolerance range which consists in applying between the interlockable surfaces a film of high viscosity grease at room temperature, chilling the grease to increase its viscosity to a point where sufficient thickness of the film may be maintained to secure the desired tolerance under swaging pressures, thereafter swaging the annulus about the periphery of the ball so that the inner face of the annulus conforms to the curvature of the ball with the intervening grease film maintaining the tolerance equivalency desired, and thereafter washing out the grease.

2,462,139
THERMALLY EQUALIZED CYLINDER CONSTRUCTION
Harry P. Sparkes, West Orange, N. J., assignor to Spar-Holl Manufacturing Company, Glassport, Pa., a corporation of Pennsylvania
Application February 27, 1945, Serial No. 579,925
4 Claims. (Cl. 309—2)



1. A composite metal cylinder of the type having an inner working surface adapted for sliding contact with a coacting machine element and subject in use to high temperature at the working surface, comprising a ferrous inner cylinder of substantially uniform wall thickness and having a bore which provides said working surface, said inner cylinder being continuous and imperforate in at least the zone of sliding contact, a cuprous blanket surrounding the inner cylinder in a substantially uninterrupted manner, and an intermediate layer, the intermediate layer being thin as compared to the thickness of the blanket, the intermediate layer constituting a fusion weld between the inner cylinder and the blanket and uniting them into an integral unitary cylinder, the blanket being substantially iron-free and constituting a temperature levelling hood, the composite cylinder being characterized by substantial fredom from local overheating and distortion resulting therefrom.

2,462,140
PORTABLE BATTERY-POWERED GAMMA-RAY COUNTING RATE METER OF HIGH SENSITIVITY
Herbert Cecil Spicer, Takoma Park, Md.
Application November 21, 1945, Serial No. 630,102
6 Claims. (Cl. 250—83.6)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A portable highly sensitive device for detecting radio activity and indicating the relative intensity thereof, comprising a Geiger-Mueller counter tube, means for generating and applying a high voltage to the electrodes of said tube, means for amplifying the output pulses from said tube resulting from repeated ionization occurring therein responsive to the receipt of radiation, means connected to said amplifying means for indicating the rate of receipt of said pulses, in which said means for generating a high voltage comprises a relaxation oscillator, an interrupter tube, a rectifier tube, a regulator tube, with batteries for energizing the same, in which the relaxation oscillator is connected to be energized by one of said batteries, means for applying voltage pulses derived from said relaxation oscillator to a control grid of said interrupter tube, means for connecting said inductance in the anode circuit of said interrupter tube, whereby current flow therein is interrupted under control of said relaxation oscillator, means for connecting the inductance to the rectifier tube whereby the high voltage pulses incident to the interruption of the current in said inductance are rectified, means for connecting the output of said rectifier tube through said filter to energize the Geiger-Mueller tube, and means for deriving a voltage from said rectifier tube proportional to its output voltage and for applying said derived voltage to the control grid of said regulator tube, the anode of said regulator tube being connected by suitable resistance to the end of said inductance opposite to that end connected to the anode of the interrupter tube.

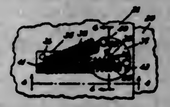
2,462,141
FASTENING DEVICE
Richard M. Sterer, Denver, Colo.
Application December 7, 1942, Serial No. 513,225
3 Claims. (Cl. 85—1)

2,462,142
LIGHTER
Harold J. Sudbrink, Woodside, Long Island, N. Y.
Application October 3, 1945, Serial No. 620,991
3 Claims. (Cl. 126—39)

winding connected in the anode circuit of said tube, a rectifier bridge having a pair of opposite junction points connected across a winding of said relay, and normally open relay contacts connected

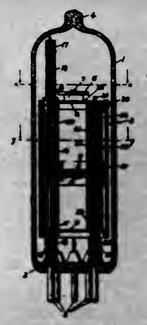
an amount of only about 0.1% of the weight of the insoluble sulphur, said finely divided sulphur being free-flowing and non-caking prior to the addition of the material.

2,462,141
FASTENING DEVICE
Richard M. Sterer, Denver, Colo.
Application December 7, 1943, Serial No. 513,225
3 Claims. (Cl. 24—221.2)



2. In a device for fastening two parts together, inclusive of a stud adapted to be rotatably attached to one of said parts, a base adapted to be attached to the other of said parts, and elements on said base adapted to inter-engage elements on the stud for fastening said parts together, the connection being tightened upon rotation of said stud in a pre-determined direction, the improvement which comprises turning means for engaging said stud inter-engaging elements to turn said stud; and resilient means fixed at one end with respect to the base and secured at the other end to said turning means for moving said turning means and stud in a direction to tighten such connection, and movable to a position past the center of rotation of the turning means wherein said turning means tends to be moved in the opposite direction by said resilient means.

2,462,142
COLD-CATHODE GAS TUBE WITH STARTING ELECTRODE
Paul W. Stutsman, Needham, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application June 14, 1947, Serial No. 754,734
10 Claims. (Cl. 250—27.5)

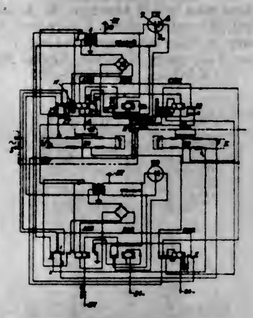


1. A gaseous-discharge device, comprising an envelope containing an ionizable gas, a relatively large hollow metallic cathode substantially filling the interior of said envelope, a wire anode passing longitudinally through the interior of said cathode to a point a substantial distance beyond one end of the same, an insulating sleeve surrounding said anode substantially throughout its length, a metallic sleeve substantially coextensive with said cathode surrounding said insulating sleeve, said metallic sleeve being directly connected to said cathode, a wire starting electrode passing longitudinally through the interior of said cathode to a point adjacent said one end thereof, and an insulating sleeve surrounding said electrode substantially throughout its length.

2,462,143
LIGHTER
Harold J. Sudbrink, Woodside, Long Island, N. Y.
Application October 2, 1946, Serial No. 699,061
3 Claims. (Cl. 67—7.1)

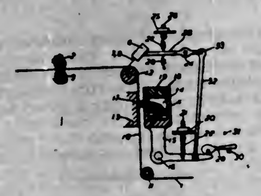
1. In a lighter at least two die-casts forming together a body, a flat face on each of said die-casts, two recesses in parallel arrangement in each of said faces, said recesses are adapted to form borings in said body when the said die-casts are put together face to face, said borings receiving a wick and a pyrophoric material, respectively, an abrasive wheel, integral projections on each of said die-casts, stud members in coaxial arrangement on each of said projections, said abrasive wheel freely rotatable on said stud members above said boring receiving the pyrophoric metal, the latter boring receiving the pyrophoric metal having an inner thread at its lower end adapted to receive a threaded member, means for retaining said die-casts in face-to-face position, and upper and lower shell sections jointly enclosing said body, said lower shell section serving as a fuel tank.

2,462,144
PULSE RECEIVING AND REPEATING SYSTEM
Clément M. Theillaumas, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application April 12, 1946, Serial No. 661,493
In France March 27, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires March 27, 1965
6 Claims. (Cl. 179—84)



1. A pulse receiving system for telecommunication networks comprising a cold-cathode tube, a transformer having its secondary connected to the input of said tube and its primary arranged to receive an incoming signal, a relay having a winding connected in the anode circuit of said tube, a rectifier bridge having a pair of opposite junction points connected across a winding of said relay, and normally open relay contacts connected in series with the other pair of junction points of said bridge, arranged to connect said other pair of points across the signal input upon ionization of said tube.

2,462,145
RECORDING ELECTRIC SIGNALS
Frank Reginald Thomas, Croydon, England, assignor to Creed and Company Limited, Croydon, England, a British company
Application March 26, 1945, Serial No. 584,952
In Great Britain March 31, 1944
1 Claim. (Cl. 346—74)



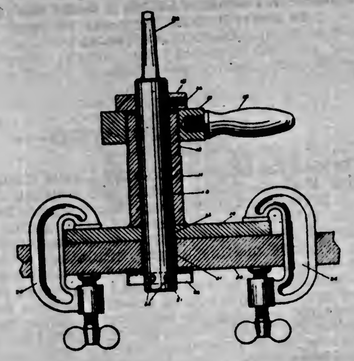
Arrangement for recording electric signals on ordinary paper, comprising recording means, means for causing relative travel between the paper and the recording means, said paper having a vertically extending portion along the travel path just before arrival at the recording position, said recording means having wick means for applying to only one surface of said paper at its said vertical portion a continuous strip of electrolytic solution at a position close enough to the recording position that the paper surface remains slightly moist as it passes through the recording position, a pair of insulated recording styli and means for applying said styli with light pressure against the said moist surface and series connected therethrough and adjacent the opposite limits of its strip to cause color change when energized.

2,462,146
STABILIZATION OF INSOLUBLE SULFUR
Raymond H. Walcott, Cranford, and Alvin Schallis, Jersey City, N. J., assignors to Stauffer Chemical Company, a corporation of California
No Drawing. Application December 3, 1945, Serial No. 632,606
9 Claims. (Cl. 23—224)

1. A process of stabilizing insoluble sulphur against reversion to the form of sulphur which is soluble in carbon disulphide comprising dissolving a material selected from the group consisting of turpentine, pine oil, pine tar and rosin in a solvent therefor and mixing the resulting mixture into initially free-flowing and non-caking sulphur consisting predominantly of insoluble sulphur to uniformly distribute the mixture through the sulphur, said insoluble sulphur being insoluble in said solvent.

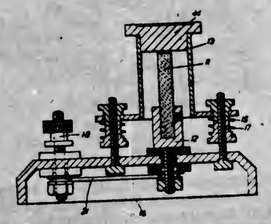
9. Finely divided solid sulphur containing sulphur substantially completely insoluble in carbon bisulphide as the predominant component thereof and a material selected from the group consisting of turpentine, pine oil, pine tar and rosin in an amount of only about 0.1% of the weight of the insoluble sulphur, said finely divided sulphur being free-flowing and non-caking prior to the addition of the material.

2,462,147
SPOT FACING JIG
William T. Waller, Philadelphia, Pa.
Application December 10, 1945, Serial No. 634,133
2 Claims. (Cl. 90—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A jig comprising a support, the support being apertured, a journal on the support, a spindle within the aperture of the support and journal, an adjustable stop on the spindle, screw threads on said journal, and a nut operable cooperatively therewith to move said stop and spindle longitudinally in the journal.

2,462,148
ELECTRIC SOLDERING APPARATUS
George Louis Ward, Northwood, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application June 10, 1943, Serial No. 490,246
In Great Britain July 17, 1942
4 Claims. (Cl. 219—12)



1. A soldering device comprising a base, a carbon heating electrode insulated from and fixedly supported on the base, a shroud of heat conducting material formed to provide an enlarged area soldering plate electrode positioned over the heating element, means for yieldingly supporting the shroud on the base in normally spaced rela-

tion to the heating electrode to be depressible by the work into circuit closing and heating engagement with the heating electrode and circuit connections to the electrodes.

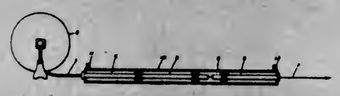
increments of said copy as said increments pass through said picture plane, while said camera is maintained in a fixed position relative to said picture plane.

to define a pathway for electron flow therebetween, and a control electrode encircling said

on movement thereof inwardly of the former, a nosepiece surrounding said member and provided with an inturned flange engaging the outer end of said collet and with a radially outwardly projecting flange spaced from and opposed to

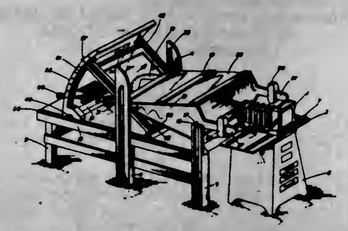
tion to the heating electrode to be depressible by the work into circuit closing and heating engagement with the heating electrode and circuit connections to the electrodes.

2,462,149
PROCESS FOR TREATMENT OF CABLE INSULATED WITH THERMOPLASTIC MATERIAL
John Krauss Webb, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application December 19, 1945, Serial No. 636,022
In Great Britain December 22, 1944
1 Claim. (Cl. 18—48)



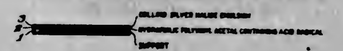
Process for treating a thermo-plastic insulated cable that comprises placing the finished cable in a pressure chamber, applying pressure to the cable within the chamber and maintaining the cable at a temperature such as to cause softening without melting of the insulation whereby the insulation is compressed and gas within voids in such insulation is subjected to increased pressure causing reduction in the size of such voids, thereafter reducing the temperature while maintaining the pressure whereby the insulating material becomes solid, then storing the cable at sub-atmospheric pressure whereby gas in the voids diffuses through the insulating material into the surrounding atmosphere.

2,462,150
APPARATUS FOR MAKING AXONOMETRIC DRAWINGS
Walter G. Wilkinson, Woodlawn, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Original application December 15, 1944, Serial No. 568,243. Divided and this application October 12, 1945, Serial No. 621,392
5 Claims. (Cl. 88—24)



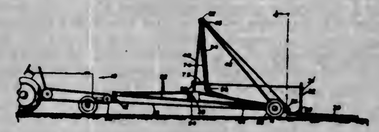
1. A photographic apparatus for recording an axonometric projection comprising an adjustable copy board having an orthographic view positioned thereon at a predetermined angle relative to the picture plane, a camera spaced from the copy board and an intermediately positioned scanning device adapted to restrict the vision of the camera, and means for simultaneously moving the said copy board in a direction parallel to the axis of the camera as said scanning device moves parallel to the picture plane of the camera to scan increments of said copy as said increments pass through said picture plane, while said camera is maintained in a fixed position relative to said picture plane.

2,462,151
PHOTOGRAPHIC ELEMENTS HAVING HYDROPHILIC POLYVINYL ACETAL COLLOID SUBLAYERS
David W. Woodward, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 23, 1946, Serial No. 698,799
9 Claims. (Cl. 95—9)



1. A photographic element comprising a water-insensitive support and a water-permeable colloid layer anchored thereto with a thin layer of a hydrophilic acetal of a vinyl alcohol polymer with an aldehyde containing a group taken from the class consisting of free carboxylic acid and free sulfonic acid groups and their water-soluble salts but which is otherwise unsubstituted.

2,462,152
COMBINATION SWEEP RAKE AND STACKER
Thomas J. Young, Harold N. Young, and Jennings Bryan Rambo, Meridian, Idaho
Application February 21, 1947, Serial No. 729,982
4 Claims. (Cl. 214—131)

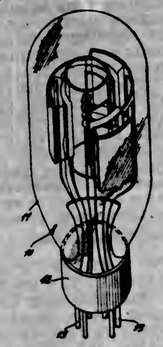


1. An agricultural implement including a frame having a tractor hitch at the rear end thereof and having a sub-frame pivotally secured thereto intermediate the ends thereof, said sub-frame having ground contacting wheels at the forward end thereof, a rake having a plurality of substantially parallel forwardly extending spaced tangs and right angularly disposed extending portions rigidly secured to a cross member, said cross member being pivotally secured to the forward end of said frame, means to tilt said frame upwardly at the forward end, said sub-frame having a transversely disposed axle on the front end thereof for said wheels, and said frame being supported at the front end by said axle when said frame is in non-elevated position.

2,462,153
ELECTRON DISCHARGE DEVICE
Hilmar A. Andresen, Chicago, Ill.
Application May 28, 1945, Serial No. 596,233
11 Claims. (Cl. 250—27.5)

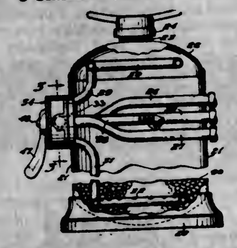
10. An electron discharge device including in combination, a lengthy cathode, a lengthy anode spaced from said cathode with its length substantially parallel to the length of said cathode, a dielectric body having a passage directed transverse to the length of said cathode and said anode

to define a pathway for electron flow therebetween, and a control electrode encircling said



dielectric body to establish a field therein to control electron flow through said passage.

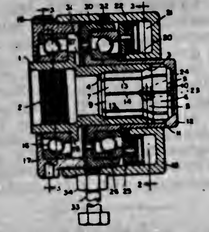
2,462,154
WATER SOFTENER
John V. Barnes, La Canada, Calif.
Application December 10, 1946, Serial No. 715,150
8 Claims. (Cl. 210—24)



1. In a water softener, the combination with a tank for holding a softening agent, a control valve including a casing having a rear wall exposed within the tank, upper and lower spray bars within the tank, each having a connection to the valve through said rear wall, house service, drain and water inlet tubes extending transversely through the tank from front to rear thereof and having connections with the valve through said rear wall, and a valve core in said valve casing adjustable to a normal service position providing for normal flow through the tank and to house service connection, and a backwash position providing for reverse flow through the tank and to the drain outlet tube.

2,462,155
CHUCK
Milton L. Benjamin, Shaker Heights, and Franklyn E. Winnen, Cleveland, Ohio; said Winnen assignor to said Benjamin
Application December 5, 1945, Serial No. 632,893
2 Claims. (Cl. 279—4)

2. In a chuck, the combination of a hollow cylindrical supporting member formed with a radially outwardly projecting flange between its rear and outer ends, a contractible collet reciprocably mounted in the outer end of said member, said member and collet being formed with coacting faces whereby the latter is contracted upon movement thereof inwardly of the former, a nosepiece surrounding said member and provided with an inturned flange engaging the outer end of said collet and with a radially outwardly projecting flange spaced from and opposed to the flange on said member, a cylindrical casing surrounding said member and nosepiece and provided with inturned flanges straddling the radially outwardly projecting flanges on said member and nosepiece, said casing comprising a pair of casing members threaded together, means for locking said casing members against rotation relative to one another, a bearing engaged between the flange on said supporting member and that flange on said casing which is rearward of the flange on said supporting member, said casing being formed with an axial flange projecting rearwardly toward the radially outwardly projecting flange on said nosepiece from that flange



on said casing which is outward of the flange on said nosepiece whereby to define an annular chamber in said casing surrounding said nosepiece, an annular piston reciprocable axially in such chamber, another bearing engaged between said piston and the radially outwardly projecting flange on said nosepiece, and means for admitting fluid under pressure into such chamber to thus move said piston relative to said casing and through said another bearing urged said nosepiece and thus said collet inwardly of said supporting member, said collet upon release of fluid under pressure from such chamber being operative to move outwardly of said supporting member and thereby move said nosepiece, another bearing, and piston outwardly, and adjustable plural stop means in said casing respectively operative to arrest inward movement of said piston by fluid under pressure and to arrest outward movement of said piston by said collet.

2,462,156
BED SHEET CONSTRUCTION
Bertha Berman, New York, N. Y.
Application December 9, 1947, Serial No. 790,559
4 Claims. (Cl. 5—335)

2. A sheet construction comprising a center area for covering a horizontal side of a mattress, end and side marginal areas to cover vertical ends and sides of the mattress, respectively, when folded along lines bordering said center area, an end flap terminating one of said side marginal areas, one of said end marginal areas being formed with a rim edge polygonally shaped re-

cess adjacent said flap extending towards one of said fold lines and terminating short of the latter to provide a marginal area portion for extending to cover the mattress edge when said

consisting of linear polyamides obtained by reacting by self-polymerisation a monoaminomonocarboxylic acid, by reacting in substantially equi-

adapted to engage under the inturned upper edge of said sock to retain said sock in a smooth fixed position on the ankle, and leg, of the wearer there-

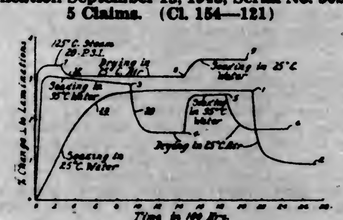
shape member disposed in said slot and bearing on one of said sections, the small end of said wedge shape member having a hole therein, a locking member having a slot therein, and a fas-

cess adjacent said flap extending towards one of said fold lines and terminating short of the latter to provide a marginal area portion for extending to cover the mattress edge when said flap is folded to overlie said recess, and fastening means carried along a rim edge of said flap on one side of said sheet and along a rim edge of said recess on the other side of said sheet for releasably securing said flap in said folded position to form a fitted corner.

2,462,157
METHOD OF ELIMINATING POROSITY IN CRYSTALLINE SELENIUM FILMS
Wayne E. Blackburn, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 10, 1943, Serial No. 509,816
6 Claims. (Cl. 117—62)

6. The method of producing selenium units which comprises forming a coating consisting of selenium on a metal plate, immersing the coated plate for a period of about three minutes in a solution of about 3.6 grams of sodium hydroxide per 100 cubic centimeters of glycerine maintained at a temperature between 170° C. and 185° C., removing the solution from the plate, thereafter annealing the plate for a period of about five to fifteen hours and providing the surface of the selenium with a conducting layer.

2,462,158
METHOD OF PRODUCING ARTICLES OF MANUFACTURE
John Boyd, Pittsburgh, and Richard A. Bice, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1943, Serial No. 502,498
5 Claims. (Cl. 154—121)



5. In the method of producing a bearing stave, in combination, immersing a bearing material consolidated from laminated sheets of cloth fabric impregnated with a heat-hardening resinoid in water at a temperature of about 95° C. for a period of time sufficient to effect the swelling thereof perpendicular to the faces of the laminations, and thereafter drying the bearing material in air, the dried bearing material retaining a major part of the increase in size imparted thereto by the immersion.

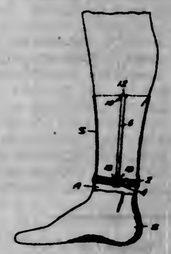
2,462,159
CELLULOSE DERIVATIVE COMBINED WITH N-ALKOXYMETHYL POLYAMIDE
Robert L. Brown, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 6, 1944, Serial No. 539,628
22 Claims. (Cl. 260—15)

1. The process which comprises dissolving in a common solvent therefor, a member of the class consisting of linear polyamides obtained by reacting by self-polymerization a monoaminomonocarboxylic acid, by reacting in substantially equimolecular amounts a diamine with a dibasic carboxylic acid, by reacting in substantially equimolecular amounts a monoaminomonohydric alcohol with a dibasic carboxylic acid, and by reacting the amide-forming derivatives of said reactants; and a cellulose derivative of the class consisting of cellulose esters and cellulose ethers, said cellulose derivative having free hydroxyl groups, and reacting the linear polyamide with formaldehyde and a substance of the class consisting of monomeric alcohols, and mercaptans in which the thiol groups are attached to an aliphatic carbon atom, in the presence of an acidic substance.

2,462,160
COMBINED CIGARETTE OR TOBACCO PACKAGE AND ASH TRAY
Thomas Joseph Bryan, Brooklyn, N. Y.
Application October 29, 1945, Serial No. 625,231
1 Claim. (Cl. 206—41)

The combination with a standard commercial cigarette filled package having a plurality of sides, of a fire resisting paper ash tray attached to one side of the package and normally collapsed against the side of the package, said tray comprising end members which fold between side members approximately one-half the width of the base of the tray, and a paper seal attached to the folded sides of the tray and provided with a weakening line located between the confronting edges of the folded sides.

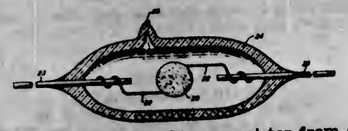
2,462,161
HOSE SUPPORTER
Howard F. Callis, Norfolk, Va.
Application August 8, 1946, Serial No. 689,304
1 Claim. (Cl. 2—303)



A hose supporter comprising an ankle encircling resilient band adapted to be applied to a wearer's ankle inside a sock on the wearer thereof, hose engaging stays extending upwardly from said band, the lower ends of said stays being T-shaped in formation and having depending serrated portions at the outer ends of said T-formation to engage and retain said stays on said band, the upper ends of said stays being bowed outwardly away from the leg of the wearer, and enlarged portions having serrations on the edge thereof formed on the upper end of the stays and

adapted to engage under the inturned upper edge of said sock to retain said sock in a smooth fixed position on the ankle, and leg, of the wearer thereof.

2,462,162
METALLIC OXIDE RESISTOR
Howard Christensen, Springfield, and Joseph J. Kleimack, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 3, 1944, Serial No. 543,372
4 Claims. (Cl. 201—76)

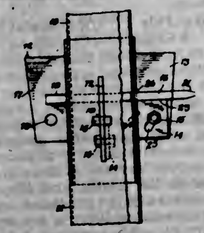


1. In a method of making a resistor from sintered metallic oxides wherein said resistor is brought to an elevated temperature, as a result of processing steps subsequent to sintering, the step of stabilizing the resistance of said resistor that comprises heating the resistor to said elevated temperature prior to said subsequent steps and maintaining it at this temperature until its oxygen comes to equilibrium with that of the ambient atmosphere, and then sealing a protective covering over the resistor at the same elevated temperature.

2,462,163
MANUFACTURE OF ESTERS
Frank O. Ceckerille, Albemarle County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1943, Serial No. 503,655
2 Claims. (Cl. 260—498)

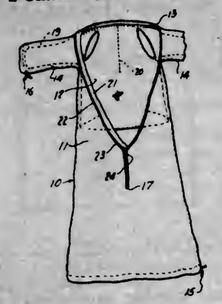
1. In the manufacture of vinyl and ethylidene esters, wherein acetylene is reacted with a carboxylic acid whereby to form said esters, the improvement which comprises reacting the acetylene and the carboxylic acid in the presence of about 0.001 to about 0.01 gram mol of dimethyl aniline per liter of reaction mixture.

2,462,164
LOCKING DEVICE
Harold Cohen, Elizabeth, N. J.
Application May 16, 1945, Serial No. 594,092
2 Claims. (Cl. 287—119)



1. A structure including structural sections in overlapping relation, and a securing device to hold said sections extended in the overlapped relation, said device comprising a bar extending crosswise through said sections, said bar having a longitudinal slot therein near one end thereof, a wedge shape member disposed in said slot and bearing on one of said sections, the small end of said wedge shape member having a hole therein, a locking member having a slot therein, and a fastener extending through the hole in the wedge shape member and the slot in the locking member to hold the wedge shape member in place.

2,462,165
GARMENT FOR INFANTS
Naomi V. Condon, Detroit, Mich.
Application December 28, 1945, Serial No. 637,641
1 Claim. (Cl. 2—111)



A garment for infants comprising a loose fitting robe having sleeves and having an opening extending from the neck receiving portion to a point intermediate the ends thereof, a snug fitting shirt having sleeves extending into the sleeves of the robe and also having an opening extending from the neck receiving portion to the bottom thereof, means permanently securing the edge portions of the shirt at opposite sides of the opening to corresponding edge portions of the robe and for also securing the sleeves of the shirt to the sleeves of the rob at the top of the shoulder portions while leaving the remaining portions of the sleeves unattached to enable free movement of the shirt sleeves relative to the robe sleeves, and common fastening means for detachably connecting the free edge portions of the robe and shirt together.

2,462,166
SINGEING DEVICE FOR TEXTILE FABRICS AND THE LIKE
Francis M. Crossman, New York, N. Y.
Application January 25, 1945, Serial No. 574,523
5 Claims. (Cl. 26—3)

1. In a textile fabric singeing device through which a fabric moves, two gas burning infra red ray generators oppositely placed at the two sides of the fabric and facing one another, said generators being of elongated trough shapes, and at least as long as the width of the fabric moving through said device, with troughs facing each other at the two sides of the fabric, a refractory lining entirely covering their facing surfaces, a rotatable combustible mixture manifold at each side of the fabric, pipes projecting from said

manifold to feed and to carry said generators, said combustible gas mixture entering said generators at substantially high pressure, and being adapted to produce substantially high tempera-

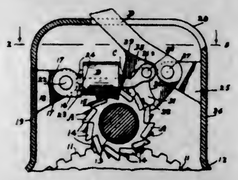
tainer, then filling said tube with the medicament and withdrawing the tube, leaving the

generator to a control source in opposition to said one field winding as to effectively neutralize said

ends of said laterally extending plates, said metal spacer members substantially filling the spaces between the ends of the laterally extending plates, whereby the spacer members and the ends of the plates form a continuous surface, a cooling coil in said case adapted for circulation of a liquid

manifold to feed and to carry said generators, said combustible gas mixture entering said generators at substantially high pressure, and being adapted to produce substantially high temperatures at the surface of the lining.

2,462,167
RATCHET AND PAWL MECHANISM FOR HAND BRAKES
George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 11, 1946, Serial No. 653,651
12 Claims. (Cl. 188—81.1)



1. In a hand brake mechanism, the combination with a member adapted to be rotated to effect tightening of the brake; of ratchet means rotatable with said member, said ratchet means having two annular sets of ratchet teeth, the teeth of each of said sets being staggered with respect to the teeth of the other set; an oscillating dog pivoted between its ends having ratcheting engagement at opposite ends with said sets of ratchet teeth, respectively; and manually controlled means for moving said dog into and out of engagement with said ratchet means.

2,462,168
ANTICUT NONSTRIP-OUT HANDLE
Delos A. Davis, Detroit, Mich.
Application January 31, 1945, Serial No. 575,490
2 Claims. (Cl. 16—126)

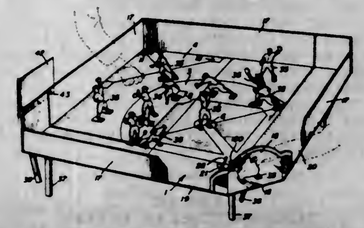
1. In a device of the class described, the combination with fastening means, of a handle provided with a portion extending through said fastening means, said handle provided with a pair of U-shaped end-portions, each end-portion provided with a free leg, and said end-portions lying in a common horizontal plane with the free leg of each lying between the legs of the other U-shaped end-portion.

2,462,169
INHALER FOR TREATING SINUS AND HAY FEVER AND METHOD OF SEALING A MEDICAMENT THEREIN
Glen Teeple Davisson, El Paso, Tex.
Application April 30, 1945, Serial No. 591,152
7 Claims. (Cl. 128—200)

1. A method of injecting and sealing a medicament in a container, which consists in first wrapping tightly an absorbent material around a tube, then inserting the thus wrapped tube in said container, then filling said tube with the medicament and withdrawing the tube, leaving the

medicament in said material and finally sealing both inlet and outlet ends of the container.

2,462,170
TABLE BASEBALL
Noël A. Dubé, Salmon Falls, N. H.
Application August 28, 1947, Serial No. 771,021
1 Claim. (Cl. 273—90)

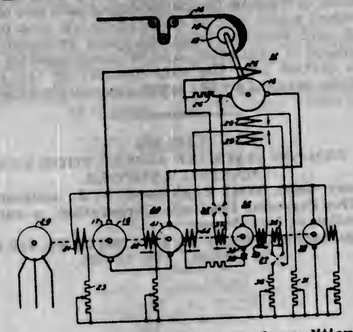


Game apparatus comprising in combination, a simulated baseball field including an outfield and a home plate, a plurality of simulated players manually movable upon said field, a plurality of dice with markings on the sides, a bat pivotally mounted adjacent said home plate and manually operable to strike a die manually cast from the outfield to pass over said home plate, said simulated players in playing positions on said field functioning as directing means for the dice cast from the outfield as well as the dice struck by said bat.

2,462,171
GENERATOR FED MOTOR CONTROL SYSTEM
John R. Erbe and Glenn A. Caldwell, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1946, Serial No. 684,108
9 Claims. (Cl. 318—6)

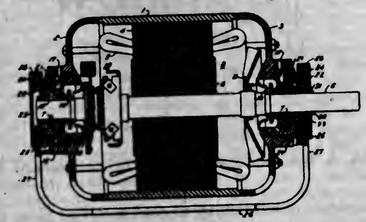
1. A reel drive system comprising, a reel motor having an armature and a plurality of field windings, circuit means connecting the armature to a principal source of electrical energy, a control generator having an armature connected in circuit relation with the motor armature and the principal source and having a plurality of field windings, circuit means connecting one field winding of each the motor and the control generator to a substantially constant voltage source, a regulating generator having an armature connected in circuit with another field winding of each the control generator and the motor and having a plurality of field windings, circuit means connecting one of the field windings to be energized in accordance with the armature current of the motor, and additional circuit means so connecting another field winding of the control

generator to a control source in opposition to said one field winding as to effectively neutralize said



one winding under predetermined conditions of armature current.

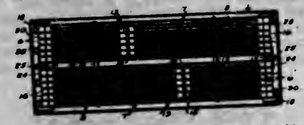
2,462,172
MOTOR CONSTRUCTION
Raymond W. Esarey, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 19, 1945, Serial No. 629,655
6 Claims. (Cl. 172—36)



1. A dynamo-electric machine having a stator member and a rotor member, said stator member including an end bracket, said end bracket having a central recess therein extending to the outer side of the end bracket, a bearing for the rotor member supported in the end bracket within said recess, the diameter of all parts of the recess being greater than the diameter of the bearing to provide an annular space around the bearing, lubricating means for the bearing disposed in said annular space, a cap member fitting in the recess and closing the annular space, and resilient mounting means carried on said cap member for resiliently supporting the machine.

2,462,173
HIGH-FREQUENCY CAPACITOR
Charles V. Fields, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 19, 1947, Serial No. 755,757
9 Claims. (Cl. 175—41)

1. A capacitor comprising a case, a plurality of metal plates disposed in said case in parallel relation and spaced from each other, alternate plates extending laterally beyond the intervening plates, and the intervening plates extending vertically above the first-mentioned plates, metal spacer members disposed between the extending ends of said laterally extending plates, said metal spacer members substantially filling the spaces between the ends of the laterally extending plates, whereby the spacer members and the ends of the plates form a continuous surface, a cooling coil in said case adapted for circulation of a liquid cooling medium, said cooling coil being disposed in contact with the surface formed by the spacer members and laterally extending plates and joined thereto with a connection of good thermal and electrical conductivity, terminal means on the case, means for electrically connecting said vertically extending plates to said terminal means,

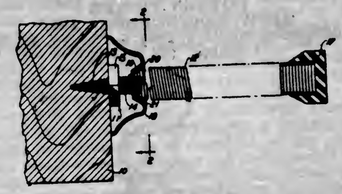


and a liquid dielectric medium substantially filling the case.

8. A capacitor comprising a case, a plurality of metal plates in said case, means for supporting said plates, said supporting means including a plurality of nested insulating spacers adapted to support the plates between them in parallel, spaced relation, alternate ones of said plates extending beyond the intervening plates, means for effecting electrical connection to said intervening plates, means for directly cooling said extending plates and for effecting electrical connection

---

2,462,174
DOORSTOP
Bernard E. Fisher, Detroit, Mich.
Application June 12, 1946, Serial No. 676,149
5 Claims. (Cl. 16—86)



thereto, and a liquid dielectric medium substantially filling the case.

1. A door stop comprising, a supporting member having a threaded portion, a cap member over the threaded portion of said supporting member, said cap having a conical opening converging inwardly thereof surrounding the threaded portion of said supporting member, a coil spring having an outer bumper end, said coil spring having an inner tapered end portion seating in the conical seat of said cap member and threadedly connected to the threaded portion of said supporting member.

2,462,175
ARYL AZO SULFONIC ACID SALTS OF STREPTOTHRICIN AND STREPTOMYCIN
Karl Folkers, Plainfield, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 23, 1945, Serial No. 601,335
23 Claims. (Cl. 260—210)

6. The process that comprises reacting a substance of the class consisting of crude acid salts

of the water-soluble, basic, Actinomyces elaboration products, streptothricin and streptomycin, with an alkaline salt of an aryl azo sulfonic acid and recovering the crystalline aryl azo sulfonic acid salt of the elaboration product.

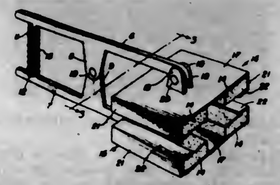
positioned forwardly with respect to the brush on that side, whereby a substantial portion of the cotton carried on the periphery of said one of the toothed rotors will be engaged by the stop member, and removes from the rotor responsive to

2,462,179
PROTECTIVE RELAYING SYSTEM FOR POLYPHASE CIRCUITS
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsyl-

circuit interrupters in the several phase-conductors of a three-phase line, comprising a pilot-channel relaying-means for obtaining a fault-responsive relay-operation under the supervision of pilot-channel intelligence received from the far end of the protected line-section, ground-

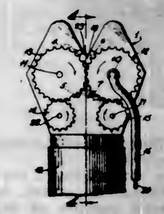
of the water-soluble, basic, Actinomyces elaboration products, streptothricin and streptomycin, with an alkaline salt of an aryl azo sulfonic acid and recovering the crystalline aryl azo sulfonic acid salt of the elaboration product.

2,462,176
HONE FOR RECONDITIONING CUTTERS IN PENCIL SHARPENERS
William H. Fryar, Litchfield, Ill.
Application May 17, 1948, Serial No. 27,495
4 Claims. (Cl. 51—205)



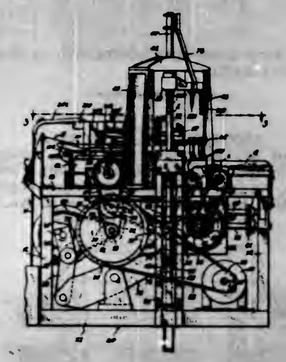
1. A hand sharpening implement for honing and reconditioning rotary cutters in a pencil sharpener comprising a pair of opposed complemental levers, said levers having lugs intermediate the ends of the levers, said lugs being hingedly connected with one another, spring means interposed and fastened between the rearward ends of said levers, duplicate holders pivotally mounted on the forward ends of said levers, and hones mounted in said holders.

2,462,177
COTTON PICKER
Lee W. Gant, McKinney, Tex.
Application March 6, 1945, Serial No. 581,244
1 Claim. (Cl. 56—40)



A cotton picker head comprising a casing formed at its forward wall with a guide trough adapted to receive a cotton stalk, the bottom of the trough being formed with a slot extending substantially for the full length of the trough, a pair of toothed rotors journalled symmetrically in the casing on each side of the slot, adjacent thereto and parallel therewith, means for rotating said rotors in opposite directions with the forward peripheral toothed portions thereof moving toward each other, a pair of rotary brushes journalled symmetrically in the casing, each brush being rearwardly adjacent and parallel to one of the toothed rotors, means for rotating each brush in an opposite sense and at a different rate of speed relative to the toothed rotor to which it is rearwardly adjacent, a pair of stop members secured symmetrically in the casing, each stop member being rearwardly adjacent and parallel to one of the toothed rotors but being positioned forwardly with respect to the brush on that side, whereby a substantial portion of the cotton carried on the periphery of said one of the toothed rotors will be engaged by the stop member, and removes from the rotor responsive to rotation of said rotor, and whereby residual cotton carried past the stop member by the rotor will be engaged by the brush rearwardly adjacent the rotor.

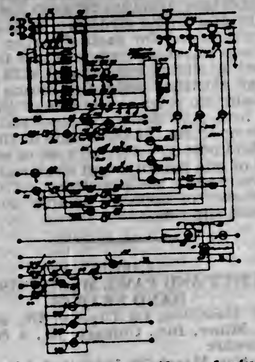
2,462,178
TAMPON MACHINE AND METHOD FOR MAKING TAMPONS
Henry Ganz, West Englewood, N. J., assignor to The Personal Products Corporation, a corporation of New Jersey
Application January 12, 1944, Serial No. 518,160
26 Claims. (Cl. 18—5)



18. A tampon machine comprising means for feeding a web of fibrous, absorbent material, means adjacent the feeding means for separating a predetermined length of said material from the remainder thereof, a die positioned to receive said length of material in one position, means for supporting said die, means associated with said die supporting means to intermittently move said supporting means and said die to a recurring series of different positions, means adjacent the material receiving position of said die to insert said length of material in said die, means adjacent one of said die positions and cooperating with an opening in said die for making an opening through the thickness of said material, means adjacent one of said die positions for inserting a draw cord through said opening in said die and said material, means adjacent one of said die positions for tying said cord to said material and means adjacent one of said die positions and cooperating with said die for compressing said material.

24. The method of making a tampon comprising preforming a web of fibrous absorbent material into a substantially U-shaped loosely compacted substantially cylindrical formation whose outer diameter is that of the finished tampon, separating from each other a portion of the legs of the U to provide a string insertion opening therefor, forming a length of the string in a two-legged loop across said formation while maintaining said loop open to receive the free ends of said string, threading said string through said opening and compressing said cylindrical formation.

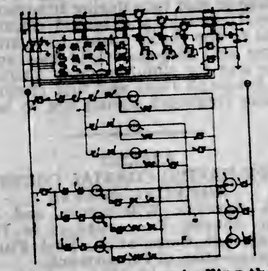
2,462,179
PROTECTIVE RELAYING SYSTEM FOR POLYPHASE CIRCUITS
Shirley L. Goldsborough, Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1944, Serial No. 569,181
15 Claims. (Cl. 175—294)



1. Fault-responsive protective relaying means for controlling each of a plurality of single-pole circuit-interrupters in the several phase-conductors of a three-phase line, comprising ground-fault relaying-means for selecting the faulted line-conductor in the event of a predetermined single line-to-ground fault on the line, means responsive to an operation of a ground-fault relaying-means for causing an opening-operation of only the single-pole circuit-interrupter in the selected line-conductor, phase-fault relaying-means for responding to at least one of the two faulted line-conductors in the event of a predetermined fault involving two line-conductors of the line, said ground-fault relaying means being of a type which is likely to erroneously select the unfaulted phase in the event of a double phase-to-ground fault, and auxiliary interrupter-controlling means correlating the responses and non-responses of particular phases of said ground-fault and phase-fault relaying means for causing opening operations of only the two single-pole circuit-interrupters in the two faulted line-conductors involved in the double phase-to-ground fault-condition which caused the response of the phase-fault relaying-means, said auxiliary interrupter-controlling means comprising a means for utilizing a phase-fault response, in one of said two faulted phases, to prevent an erroneous interrupter operation in response to the erroneous ground-fault selection and to complete a connection between the phase-fault selection of said one of the two faulted phases and the interrupter-controlling means for the other faulted phase in the event of a double phase-to-ground fault.

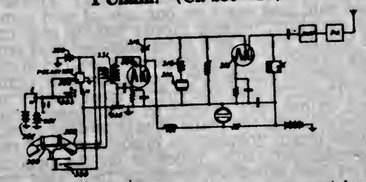
2,462,180
SELECTIVE-POLE TRIPPING SYSTEM
Shirley L. Goldsborough, Basking Ridge, and John L. Blackburn, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1947, Serial No. 788,582
3 Claims. (Cl. 175—294)

1. Fault-responsive protective relaying-means for controlling each of a plurality of single-pole circuit-interrupters in the several phase-conductors of a three-phase line, comprising a pilot-channel relaying-means for obtaining a fault-responsive relay-operation under the supervision of pilot-channel intelligence received from the far end of the protected line-section, ground-fault phase-selector means for obtaining a phase-selecting relay-operation in response to line-conditions obtaining in the event of a single line-to-ground fault, phase-fault phase-selector means for obtaining a phase-selecting relay-operation in response to line-conditions obtaining in the event of a phase-to-phase line-fault, said phase-fault phase-selector means being operative to reliably select only one of the two line-conductors which are involved in some line-to-line faults, ground-fault circuit-interrupter



control-circuit means for controlling the selected phase of the single-pole circuit-interrupters in joint response to said pilot-channel relaying-means and said ground-fault phase-selector means, phase-fault circuit-interrupter control-circuit means for controlling the selected phase of the single-pole circuit-interrupters in joint response to said pilot-channel relaying-means and said phase-fault phase-selector means, and auxiliary interrupter-controlling circuit-means, associated with said phase-fault circuit-interrupter control-circuit means, for joining the control-circuit selected by a phase-fault selector-means to the control-circuit for a second line-phase, in response to a response of the phase-fault phase-selector means for the selected line-phase and a non-response of the phase-fault phase-selector means for the third line-phase.

2,462,181
RADIO TRANSMITTING SYSTEM
Walter H. Grosselfinger, Manhasset, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1944, Serial No. 556,112
1 Claim. (Cl. 250—17)



A signal transmitting system comprising in combination a source of telegraph signals including a telegraph relay, a source of audio frequency signals including a telephone handset provided with a cradle switch, an electronic oscillator for generating high frequency electric wave energy,

a piezoelectric crystal for controlling said oscillator for determining the frequency of said wave energy, and modulating means for effecting changes in the frequency of said wave energy

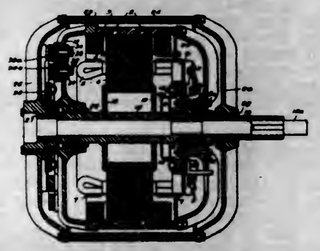
shaft, a commutator assembly supported adjacent said armature structure for rotation therewith and electrically connected to the windings on said armature structure, a plurality of com-

poles to become abnormally large, at a beat-frequency, at certain moments when it happens that the primary current in the main winding for that pole is a maximum at the same moment

a terminal plate sandwiched between the like faces of one pair, a pair of terminal plates separated by insulation sandwiched between the like faces of the other pair, and means for connecting

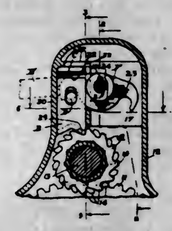
a piezoelectric crystal for controlling said oscillator for determining the frequency of said wave energy, and modulating means for effecting changes in the frequency of said wave energy from one wavelength to a different wavelength in accordance with variations in said signals, said modulating means including a condenser and an electronic tube connected in series with each other and in parallel with the crystal, said electronic tube having a plurality of electrodes including a grid, a source of grid bias voltage for said tube, and control means for effecting changes in the conductivity of said tube in accordance with variations in said signals, said control means being characterized by having circuit means connected to the telegraph relay for intermittently connecting said source of grid bias voltage to said tube during the transmission of telegraph signals, and second circuit means connected to the cradle switch for continuously connecting said source of grid bias voltage to said tube and for simultaneously short-circuiting said telegraph relay and first circuit means when audio frequency signals are to be transmitted.

2,462,182
MOTOR HAVING COAXIAL COUNTER-ROTATING SHAFTS
Dikran A. Guerdan, Wilkinsburg, and John E. Bluman, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1945, Serial No. 631,394
1 Claim. (Cl. 172—36)



An electric motor comprising, in combination, a field pole structure of magnetic material, an armature structure of magnetic material, windings on said armaure structure, windings on said field pole structure, a first shaft, means securing said amature structure to said first shaft substantially centrally thereof such that portions of said first shaft extend beyond the axial extremities of said armature structure, a second shaft of tubular configuration concentrically arranged about said first shaft on one side of said armature structure, bearing means joining said first and second shafts at a point adjacent said armature structure, supporting means secured to said field pole structure and straddling said armature structure, said supporting means being secured on one side thereof to said second shaft substantially in the plane of said bearing means, bearing means joining the opposite side of said supporting structure, which is on the opposite side of said armature structure from said first named bearing means, in bearing engagement with said first shaft to permit relative rotational movement, a frame structure straddling said supporting structure, bearing means joining one side of said frame structure to said second shaft and the other side of said frame structure to said first shaft, a commutator assembly supported adjacent said armature structure for rotation therewith and electrically connected to the windings on said armature structure, a plurality of commutator brushes comprising brush sets of opposite polarity, means securing said commutator brushes to said supporting structure with the commutator brushes in sliding engagement with said commutator, a pair of slip rings secured to said supporting structure between the supporting structure and frame structure, at least two slip ring brushes, one for each slip ring, means securing said slip ring brushes to said frame structure, each in sliding engagement with one of said slip rings, electrical conductor means connecting one of said slip rings to one side of the windings on the field pole structure, electrical conductor means connecting the other side of the windings on the field pole structure to a set of commutator brushes of one polarity, and electrical conductor means connectiig the remaining set of commutator brushes of opposite polarity to the other side of said slip rings.

2,462,183
RATCHET AND PAWL MECHANISM FOR HAND BRAKES
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application March 23, 1946, Serial No. 656,594
8 Claims. (Cl. 188—81.1)

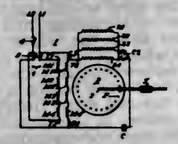


1. In a hand brake mechanism, the combination with a member adapted to be rotated to tighten the brakes; of a ratchet element rotatable with said member, said element having two laterally spaced sets of inclined peripheral teeth, the teeth of said two sets being staggered with respect to each other; a pair of locking dogs respectively engaged with said sets of teeth; a rocker connecting said dogs; and a lever operated trip member engageable with said rocker to move the same and the dogs therewith into and out of engagement with said ratchet element.

2,462,184
QUIET SINGLE-PHASE MOTOR
Clarence B. Hathaway and Richard F. Woll, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1944, Serial No. 558,312
19 Claims. (Cl. 318—225)

1. A self-starting single-phase capacitor-start induction motor having a stator-member having a main winding and a starting winding, a rotor-member having a squirrel-cage winding of sufficiently high resistance to produce a reasonably good starting-torque and to cause the squirrel-cage winding to inadequately counteract the tendency of the motor-flux under one of the

poles to become abnormally large, at a beat-frequency, at certain moments when it happens that the primary current in the main winding for that pole is a maximum at the same moment when a spot of maximum permeability, on the rotor-member, comes under that pole, switching-means for disconnecting the starting winding from its energizing source during running conditions, a rotor-journalling bearing having only a small amount of damping-effect, inadequate to



damp out slight but audible radial rotor-displacements, and means for providing parallel-connected coils on the stator-member for equalizing the field-strength of one portion of the circumference with respect to the field-strength of another portion which would have an equal field-strength if the rotor-reluctance were completely symmetrical at all points around the circumference under all running-conditions of the motor

---

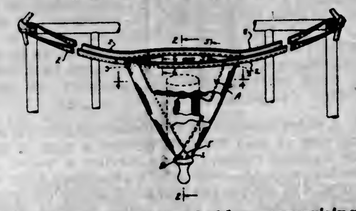
2,462,185
MOISTUREPROOF, HEAT-SEALABLE WRAPPING MATERIAL AND PROCESS
Paul Matthew Hauser, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 19, 1946, Serial No. 648,831
8 Claims. (Cl. 117—76)

1. Moistureproof, heat-sealable sheet wrapping material comprising a non-fibrous base film of regenerated cellulose provided with a continuous sub-coating comprising essentially a resinous aliphatic ether derivative of a methylol melamine wherein the ether radical of said derivative contains from 3 to 8 carbon atoms, and nitrocellulose, wherein the ratio of the resinous ether derivative to nitrocellulose is within the range of 20/80 to 75/25, and a continuous top-coating comprising essentially a vinylidene chloride-acrylonitrile copolymer containing at least 80% vinylidene chloride.

2,462,186
RECTIFIER
Carl C. Hein, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,895
1 Claim. (Cl. 175—366)

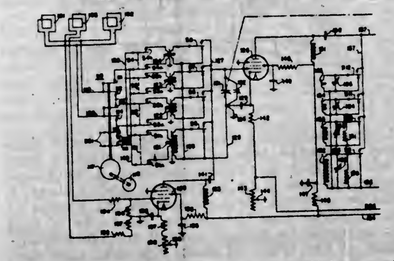
A rectifier assembly comprising a central insulating support and four unit rectifiers mounted thereon in pairs, each pair comprising two unit rectifiers with their like faces adjacent each other, a terminal plate sandwiched between the like faces of one pair, a pair of terminal plates separated by insulation sandwiched between the like faces of the other pair, and means for connecting said pair of terminal plates respectively to the remote faces of the rectifiers of the first-mentioned group.

2,462,187
NURSING BOTTLE HOLDER
Mathilda A. Heligon, Winthrop Harbor, Ill.
Application April 12, 1945, Serial No. 587,911
2 Claims. (Cl. 248—104)



1. A nursing bottle holder comprising a blank forming one-half of a hexagonal having a parallel base and top lines, the triangular end portions of the blank being lap folded upon each other and stitched to form a wide top opening and a restricted V shaped bottom opening, and tapes stitched to the edges of the top opening for reinforcing the same, the free ends of said tapes being adapted to fasten the holder to a crib.

2,462,188
RADIO DIRECTION FINDER
Roswell H. Herrick, Oak Park, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1943, Serial No. 504,985
21 Claims. (Cl. 343—120)



1. In a radio direction finder utilizing a plurality of loop antennas the method comprising receiving energy with a pair of loop antennas in spaced apart parallel planes, differentially combining energy received by said antennas to produce a resultant voltage, receiving energy from another loop spaced between and parallel to said first loops to produce a voltage, combining said resultant voltage with said latter voltage, periodically reversing the phase of one of the voltages so combined, amplifying said combined voltages, deriving from said amplified voltages direct currents proportional thereto, comparing the direct currents derived from said two different combined amplified voltages, and producing an indication in accordance with said compared voltages.

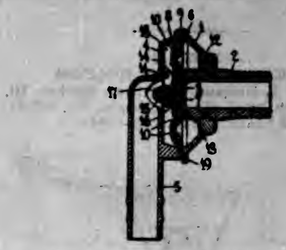
2,462,189
VALVE FOR WINDSHIELD CLEANERS
Willis C. Horn, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y., a corporation of New York
Application October 31, 1945, Serial No. 625,966
1 Claim. (Cl. 251—144)

plurality of strands of insulated conductor onto the tube at spaced intervals along the tube to pro-

2,462,192
MOTOR SHAFT
Erwin C. Horton, Hamburg, and Earl V. Schaal, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y., a corporation of New York
Application October 31, 1945, Serial No. 625,967
1 Claim. (Cl. 308—237)

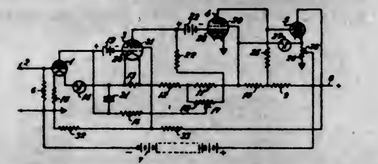
2,462,194
PROCESS FOR THE SIMULTANEOUS PRODUCTION OF CHLORINE DIOXIDE AND NITROGEN TRICHLORIDE

2,462,189
VALVE FOR WINDSHIELD CLEANERS
Willis C. Hess, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 25, 1944, Serial No. 537,266
3 Claims. (Cl. 251—119)



1. A valve comprising complemental casing sections, one of said sections having a seat, a one-piece molded rubbery body having a valve engageable with the seat and a relatively thin encircling web with a margin clampingly embraced by the sections, said valve being molded with a stem on its back, and a backing disc having a central opening through which the stem is stretched to anchor the disc under tension, the web being arched up about the disc and supporting the valve substantially in the plane of the margin.

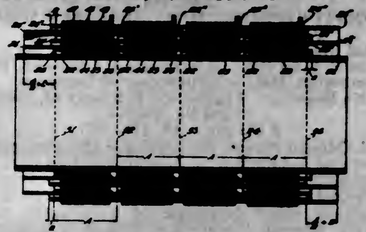
2,462,190
AMPLIFIER FOR SMALL DIRECT CURRENTS
John A. Hipple, Jr., Verona, and Donald J. Grove, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 15, 1945, Serial No. 582,936
5 Claims. (Cl. 179—171)



1. In combination with an amplifier input electrical discharge tube of a grid-controlled type in which the grid current varies at a comparatively high rate with changes in grid voltage, a negative feedback circuit between the output of said amplifier and the control electrode of said tube adjusted to give an overall voltage amplification of the order of unity for said amplifier, means for impressing on said grid such a bias voltage as makes said grid current zero, and current responsive means in the output circuit of said amplifier.

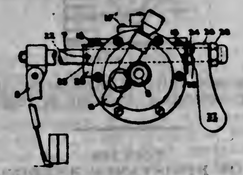
2,462,191
METHOD OF WINDING COILS
John K. Hodnette and Allan D. Forbes, Sharon, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 15, 1946, Serial No. 641,399
5 Claims. (Cl. 242—10)

1. The method of simultaneously winding a plurality of winding coils comprising rotating a hollow tube of insulating material forming the support for the winding conductors, feeding a plurality of strands of insulated conductor onto the tube at spaced intervals along the tube to provide several groups of conductor winding turns corresponding to the several coils and providing a layer of conductor turns for each group, the sequence of winding turns providing a layer for each group extending in the same direction along the insulating tube, in applying at least one layer of a sheet of flexible insulating material extending across the several groups of conductor winding turns about the layer of winding turns by feeding a wide sheet of insulating material having a width greater than the width of the several coils together with a plurality of strips of insulating material corresponding to the number of coils being wound, each strip having a width less than the width of the coil when finished, the several strips being spaced in the direction of the axis of the coils distances corresponding to the lengths of the finished coils, the wide sheet together with the plurality of narrow sheets being so applied about the groups of winding turns that the major portion of the narrow strips are positioned to the side of the center of the group of winding turns on which the first wound turns of the layer of winding turns were wound, in winding a second layer of conductor winding turns for each group about said insulating material, the turns in the second layer being applied in sequence in the opposite direction from the sequence of winding turns in the first layer, in applying at least one



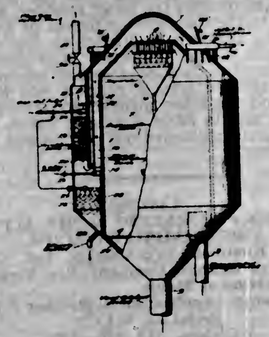
layer of sheet of flexible insulating material extending across the several groups of conductor turns about the second layer of winding turns by feeding a wide sheet of insulating material having a width greater than the width of the several coils together with a plurality of strips of insulating material corresponding to the number of coils being wound, each strip having a width less than the width of the coil when finished, the several strips being spaced in the direction of the axis of the coils distances corresponding to the lengths of the finished coils, the wide sheet together with the plurality of narrow sheets being so applied about the groups of winding turns that the major portion of the narrow strips are positioned to the side of the center of the group of winding turns on which the first wound turns of the layer of winding turns were wound, and in continuing winding successive layers of winding turns, layer upon layer, in each group of winding turns with the sequence of the successive turns in each layer proceeding in the opposite direction along the length of the group of turns from the sequence of turns in the next previous layer until the desired number of layers of turns is completed, and in applying at least one layer of a sheet of insulating material across the several groups of conductor turns about each layer of conductor turns in the several groups of layers of turns, and in thereafter cutting the tube of insulating material and the layers of flexible insulating material to separate the several groups of turns into separate coils.

2,462,192
MOTOR SHAFT
Erwin C. Horten, Hamburg, and Earl V. Schaal, East Aurora, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application July 12, 1944, Serial No. 544,766
5 Claims. (Cl. 64—1)



1. A motor having a casing, an oscillatory shaft of tubular form journaled at its opposite ends in the casing, a second shaft received within the tubular shaft, a shoulder on the second shaft interlocking in a recess in one end of the tubular shaft and detachable therefrom by and upon relative axial movement between the shafts in one direction, means spaced from the shoulder and interlockingly connecting the second shaft to the tubular shaft by and upon opposite relative movement therebetween, and means common to both interlocks for concurrently making them effective.

2,462,193
CATALYST REGENERATOR AND RECOVERY APPARATUS
William E. Huisberg, Hinsdale, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application April 9, 1945, Serial No. 587,251
6 Claims. (Cl. 23—288)



1. An apparatus of the class described comprising in combination an inner chamber, an outer chamber spaced from said inner chamber, means dividing the space between said chambers into two annular zones communicating at their lower ends, a cyclone separator in the upper portion of said inner chamber and communicating with the upper end of the inner one of said annular zones, cooling means in the inner annular zone, contact means in the outer one of said annular zones, an inlet to the outer annular zone above said contact means, an outlet from the upper portion of the outer annular zone, and a reservoir between said inner and outer chambers below said annular zones.

2,462,194
PROCESS FOR THE SIMULTANEOUS PRODUCTION OF CHLORINE DIOXIDE AND NITROGEN TRICHLORIDE
Willis S. Hutchinson, St. Paul, Minn., assignor to Mathieson Chemical Corporation, a corporation of Virginia
No Drawing. Application October 21, 1944, Serial No. 559,845
6 Claims. (Cl. 252—187)

1. A process for the simultaneous generation of chlorine dioxide and nitrogen trichloride which comprises bringing hydrogen chloride into contact in a reaction zone with a chlorate radical and an ammonium radical provided by a reaction mass of the group of water-soluble salts consisting of (a) ammonium chlorate and (b) a mixture of an ammonium compound and a chlorate, a sufficient amount of moisture being present to effect the reaction, and withdrawing from the reaction zone a gaseous mixture of chlorine dioxide and nitrogen trichloride.

2,462,195
MATERNITY PANTY GARMENT
Hamac W. Jacobson, Minneapolis, Minn., assignor to Kickernick, Inc., Minneapolis, Minn., a corporation of Minnesota
Application April 15, 1948, Serial No. 21,168
3 Claims. (Cl. 2—224)

1. A maternity panty garment comprising a seat and back portion, side portions and a front panel for covering the central portion of the abdomen of the wearer, said front panel being formed from two longitudinal sections of material of substantially greater length than the back portion of the garment to provide longitudinal fullness and having joined longitudinal edges at the front of the garment, at least the side edges of said sections opposite said joined front edges being generally convexly curved throughout their lengths to form diminished top and bottom end portions and provide, when joined, additional lateral fullness in the abdominal portion of the garment, and a plurality of spaced, highly elastic elements connected with said front panel in the form of substantially upward curved concentric arcs to resiliently shirr the excess material in the front panel of the garment, both downwardly and laterally to lightly embrace the body of the wearer at all times.

3. A maternity panty garment comprising a back portion, side portions, and a central front panel substantially longer than said back portion and having the side edges thereof connected with said side portions and having additional lateral fullness in the central portion thereof, said garment having a pair of leg openings and a trunk opening, a plurality of spaced highly elastic elements connected with said front panel in the form of substantially upwardly curved concentric arcs to resiliently draw the excess material provided in the front portion of the garment together both downwardly and laterally to lightly embrace the body of the wearer at all times.

2,462,196
PROTECTIVE PHOSPHATE COATINGS FOR METAL SURFACES
Frank Hyman, Detroit, Mich., assignor to Parker Rust Proof Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 31, 1945, Serial No. 638,181
6 Claims. (Cl. 148—6.15)

rigidly to said valve and having means serving as a narrow slot receiving said angled section

admixing them, thereafter reacting the resultant mixture with sodium sulfide in aqueous solution by admixing and heating to a temperature of

2,462,202
HEAT TREATING
James Knivsten, Wyncote, Pa., assignor to Seiss Corporation of America, a corporation of Penn-

2,462,196
PROTECTIVE PHOSPHATE COATINGS FOR METAL SURFACES
George W. Jernstedt, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 29, 1943, Serial No. 496,619
6 Claims. (Cl. 148—6.15)

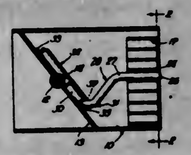
4. In the process of treating ferrous, zinc and cadmium metal surfaces, to provide corrosion resisting coatings thereon, the steps comprising, applying to the metal surface an aqueous solution consisting essentially of from 0.1% to 2% of ortho-disodium phosphate and from 0.001% to 0.1% of zirconium present as a water soluble compound, the ortho-disodium phosphate and the zirconium compound having been previously combined by dissolving them in water and evaporating to dryness, and the balance being water, to provide for activating the metal surface, and thereafter applying to the activated metal surface a solution comprising phosphoric acid, phosphates and an oxidizing agent to produce a phosphate coating thereon.

2,462,197
ETCHING METHOD
George W. Jernstedt, Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1944, Serial No. 555,979
4 Claims. (Cl. 204—141)

1. The method of electroetching the surface of a copper base alloy member containing at least 60% copper comprising making the member the anode in an electrical circuit, applying to the surface of the member an aqueous electrolyte having as its essential ingredients from 20% to 85% by weight of phosphoric acid, from 25% to 0.1% by weight of nitric acid and the balance water, and passing an electrical current through the circuit including the member and the aqueous electrolyte to etch the surface of the member to produce a substantially uniform microscopic roughening and pitting of the surface to enable organic finishes to adhere more tenaciously.

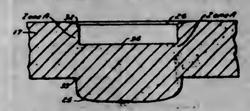
2,462,198
THERMOSTATIC VALVE
Roger C. Johnson, Moline, Ill.
Original application July 1, 1940, Serial No. 343,479. Divided and this application April 1, 1944, Serial No. 529,139
20 Claims. (Cl. 236—34)

1. A thermostatically controlled valve unit comprising a casing, a valve of a butterfly type pivotally mounted therein to control the fluid flow therethrough, a thermostatic coil axially arranged in said casing, an axially extending member fixed at one to said coil to be rotated thereby, said member having an angled section at the other end extending generally parallel to the face of the valve, and a member fixed rigidly to said valve and having means serving as a narrow slot receiving said angled section



for causing said valve to pivot about its axis as the axially extending member is rocked about its axis.

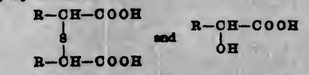
2,462,199
METHOD OF RESISTANCE WELDING USING PARTIALLY SHEARED OUT PROJECTIONS
Joseph W. Kehoe, Wilkinsburg, and Joseph B. Dyn, Pittsburgh, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 14, 1944, Serial No. 531,040
5 Claims. (Cl. 219—10)



1. The method of projection welding a pair of metallic members together which comprises, forming a projection on one of the members by moving a core of metal relative to the body of the member and reducing the area of contact therebetween by partially shearing a substantially cylindrical core of uniform cross section out of the member by a punching operation, positioning said one member with the projection in engagement with the other member, applying pressure to the members by means of a current conducting electrode positioned on the member at the rear of the projection, and passing an electric current through the said one member, and the reduced area of contact into the projection and the other member so as to produce sufficient heat to effect a zone of fusion including the partially sheared out portion and both of the members.

2,462,200
PROCESS FOR MAKING ALPHA, ALPHA'-THIODIALIPHATIC ACIDS
Milton P. Kleinholz, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 6, 1945, Serial No. 614,817
7 Claims. (Cl. 260—299)

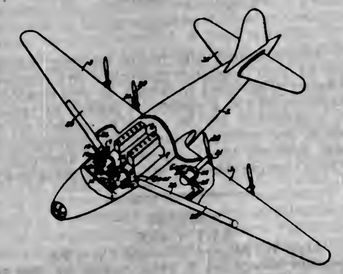
1. A process for producing mixtures of alpha, alpha'-thiodialiphatic acids and alpha-hydroxy aliphatic acids of the types represented respectively by the formulae



where R is an alkyl group, which comprises reacting an alpha-brominated fatty acid of the group consisting of stearic acid, palmitic acid, myristic acid and lauric acid, and mixtures thereof, in solution in an organic solvent of the group consisting of benzol and methanol, with potassium hydroxide by intimately

admixing them, thereafter reacting the resultant mixture with sodium sulfide in aqueous solution by admixing and heating to a temperature of 155–200° F., acidifying the mixture, settling to permit the formation of an organic layer containing the desired reaction product and an aqueous layer, separating the two layers and distilling off the organic solvents from the former.

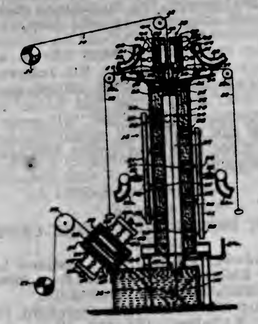
2,462,201
ELECTRICAL AIRPLANE PROPULSION
Lee A. Kilgore, Forest Hills, Frank W. Godsey, Jr., Wilkinsburg, Bennie A. Rose, Forest Hills, and Frank B. Powers, Pittsburgh 16, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 2, 1943, Serial No. 474,474
11 Claims. (Cl. 244—60)



7. Electrical propulsion-equipment for a multi-propellered aircraft, comprising one or a small number of polyphase synchronous generators and driving-means therefor, said generator or generators having a speed in the range from about 10,000 to about 20,000 revolutions per minute and having a pole-number in the range between 4 and 8, inclusive, a plurality of polyphase propeller-driving motors, located close to their respective propeller-shafts and operating at substantially synchronous speeds for driving a plurality of said propeller-shafts, said generators and motors being of a light-weight construction, each weighing a fraction of a pound per horsepower, there being a larger number of motors than generators, and a common polyphase supply-bus, energized from said generator or generators, for energizing all of said plurality of propeller-driving motors.

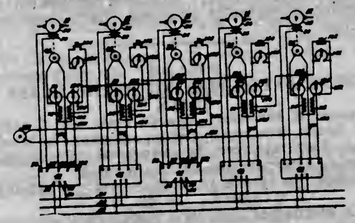
8. Electrical propulsion-equipment for a multi-propellered aircraft, comprising one or a small number of polyphase synchronous generators and driving-means therefor, a plurality of polyphase propeller-driving motors, located close to their respective propeller-shafts and operating at substantially synchronous speeds for driving a plurality of said propeller-shafts, said generators and motors being of a light-weight construction, each weighing a fraction of a pound per horsepower, there being a larger number of motors than generators, a polyphase supply-bus, energized from said generator or generators, for energizing a plurality of said propeller-driving motors, and electric power-line attachment means, adapted to be connected to said bus, whereby an additional external source of power may be temporarily connected to the bus during take-off.

2,462,202
HEAT TREATING
James Knivsten, Wyncote, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,271
7 Claims. (Cl. 148—13)



7. Apparatus for heat treating a continuous length of metallic work moving through a vertical path comprising a furnace having a chamber surrounding said work as it moves through said path, heating means located in said furnace to heat said work, an auxiliary heater mounted upon said furnace and having a chamber surrounding said work prior to the time it reaches said furnace chamber, said heater being formed of a plurality of separable parts located on opposite sides of said work, the chambers of said heater and said furnace being entirely separated, heating means located in the chamber of said heater operable to produce a higher thermal head than the heating means located in said furnace chamber, and means to move said parts of said heater toward and from said work to thereby vary the heating effect of said heater.

2,462,203
SPEED REGULATING SYSTEM
Joseph F. Kovalsky, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1947, Serial No. 783,099
14 Claims. (Cl. 318—71)



1. In a system for regulating the relative speeds of a plurality of drive motors each of which is provided with a field winding, the combination comprising, an electronic regulator for each of the motors disposed for operation to control the field excitation of the associated motor, a plurality of sources of voltage each of which constitutes a measure of the speed of one of the motors, a plurality of impedance means for pro-

viding a plurality of reference voltages, each of the reference voltages cooperating with one of the speed measuring voltages to provide a pair of opposed control voltages for controlling the operation of one of the electronic regulators,

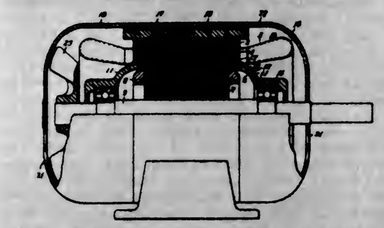
perature sufficient to cause the sections to soften and the disc to move downwardly under its own weight and that of the section resting upon it, the surface of the disc becoming oxidized during the heating, guiding the disc in its downward move-

2,462,207
TEMPERATURE REGULATING SYSTEM
Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

the main diameter of said device, and narrow grooves extending from the interior of said device into each of said flutes, said grooves extending outwardly beyond the main diameter of said device, said flutes extending upwardly over the tapered portion, and an enlarged laterally extend-

viding a plurality of reference voltages, each of the reference voltages cooperating with one of the speed measuring voltages to provide a pair of opposed control voltages for controlling the operation of one of the electronic regulators, and means for individually adjusting each of the impedance means to adjust the reference voltage supplied thereby, the impedance means being progressively connected to one another from a given reference source whereby an adjustment of one of the impedance means effects an automatic progressive change in the reference voltages supplied by the other impedance means in a direction away from the given reference source without affecting the reference voltage supplied by the impedance means connected between the given reference source and said one of the impedance means.

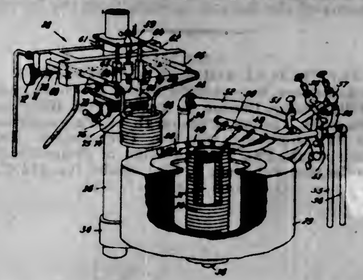
2,462,204
ELECTRIC MOTOR WITH BORE-CENTERED BEARINGS
Leon R. Ludwig, Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1947, Serial No. 735,837
8 Claims. (Cl. 172—36)



1. A dynamo-electric machine comprising: a stator core-member having a cylindrical airgap-bore and stator-windings having end-turns extending out of each end of the stator core-member in closely spaced relation to the bore; a rotor-member rotatably mounted within the stator-bore, said rotor-member including a shaft; and a machine-enclosing, imperforate, bracket disposed at each end of the machine, each bracket having a continuous, substantially air-tight engagement with its end of the stator core-member adjacent to the airgap-bore, so as to enclose the airgap and the rotor-member but not the stator-windings, and each bracket further carrying a centrally disposed shaft-supporting bearing.

2,462,205
METHOD FOR MAKING METAL-GLASS SEALS
Raymond R. Machlett, New Canaan, and Gottfrid W. Steen, Stamford, Conn., assignors to Machlett Laboratories, Incorporated, Springdale, Conn., a corporation of Connecticut
Application March 19, 1945, Serial No. 583,462
2 Claims. (Cl. 49—81)

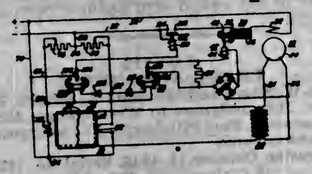
1. A method of making a metal-glass structure consisting of cylindrical sections of glass and annular metallic discs arranged in alternation and sealed together in axial alignment, which comprises supporting a glass section with a disc resting upon the section and a second glass section resting upon the disc, the glass sections and disc being in axial alignment, heating the sections and disc by flames directed upon the outer and inner surfaces of the sections and disc to a temperature sufficient to cause the sections to soften and the disc to move downwardly under its own weight and that of the section resting upon it, the surface of the disc becoming oxidized during the heating, guiding the disc in its downward movement, arresting the downward travel of the disc after it is moved through a predetermined distance, discontinuing the flame heating, heating the disc by high frequency induction to a temperature higher than that to which it was heated by the flames and for a sufficient length of time to insure absorption in the glass of oxides on the surface of the metal, discontinuing the induction heating, heating the glass sections and disc by flame to a temperature at which the glass is soft,



2,462,206
KEY CASE
Alan W. Magee, Elwood City, Pa.
Application November 3, 1945, Serial No. 626,528
2 Claims. (Cl. 150—46)

1. A key case of the class described, comprising a key containing and jacketing sheath comprising a single piece of pliable sheet material of general rectangular form folded upon itself longitudinally intermediate its ends to define opposed side walls, corresponding end-portions of said side walls being folded and then tucked inwardly into opposing contact between said side walls and forming a double-ply tab, a key hinging and retaining rivet piercing the tab, the rivet having headed ends and said headed ends terminating at points wholly within the confines of the sheath, standard-type apertured keys having their apertured ends fitting against opposite faces of the tab, the apertured ends being mounted on the headed ends of said rivet, a spring metal key embracing and clamping clip comprising a V-shaped bight portion providing a crotch for reception of coacting portions of the keys, and further including spaced parallel limbs, said limbs terminating at their free ends in split eyes, said eyes being releasably fastened on the headed end-portions of said rivet whereby said clip serves to assemble and hold the keys in place, and also serves to resiliently clamp the keys in both retracted and projected positions.

2,462,207
TEMPERATURE REGULATING SYSTEM
Clarence L. Mershon, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 23, 1947, Serial No. 750,904
5 Claims. (Cl. 219—20)

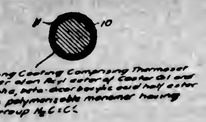


3. In a system for regulating the temperature of a window having a resistor heating element associated therewith, in combination, a generator connected to be operated to deliver current to the resistor heating element, a field winding for the generator, a rheostat connected in circuit relation with the field winding and disposed to be operated to control the excitation of the generator, a relay having a winding disposed to be energized in response to the operation of the generator to control the operation of the rheostat, a resistor connected in circuit relation with the relay winding, a resistance bridge circuit having a resistor disposed in juxtaposition to the window, said juxtaposed resistor having a high temperature coefficient of resistance whereby the resistance varies as the temperature of the window varies to give a directional output from the bridge circuit as the temperature of the window departs from a predetermined value, a polarized relay disposed to be energized from the bridge circuit as the temperature of the window is decreased below the predetermined value to connect at least a part of the relay resistor in circuit with the relay winding, and another polarized relay disposed to be energized from the bridge circuit as the temperature of the window increases above the predetermined value to effect an interruption of the field winding circuit of the generator.

2,462,208
FINGER COT
Walter Meyer, Chicago, Ill., assignor to Myron T. Cole, Chicago, Ill., doing business as M. T. Cole Co.
Application July 11, 1945, Serial No. 604,437
1 Claim. (Cl. 294—25)

As an article of manufacture, a finger tip device of generally rounded cross section formed of readily elastic rubber like material, said device comprising an elongated hollow member freely open at one end and provided at its opposite end with a tapered integral portion, the exterior of the device being shaped with roughening members, there being a plurality of outwardly extending narrow flutes formed integrally in said device and extending substantially from end to end thereof, said flutes extending outwardly beyond the main diameter of said device, and narrow grooves extending from the interior of said device into each of said flutes, said grooves extending outwardly beyond the main diameter of said device, said flutes extending upwardly over the tapered portion, and an enlarged laterally extending bead formed about the open end of said device, said grooves occupying not more than twenty per cent of the circumference of said device.

2,462,209
RESINS AND CONDUCTORS INSULATED THEREWITH
Herbert F. Minter, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1945, Serial No. 592,406
13 Claims. (Cl. 174—121)



1. A composition composed of the reaction product of castor oil with both an acyl halide having from 6 to 20 carbon atoms and an alpha, beta-olefinic dicarboxylic acid, the acyl halide and alpha, beta-olefinic dicarboxylic acid esterifying the major proportion of the hydroxyl groups of the castor oil, the castor oil and alpha, beta-olefinic dicarboxylic acid being reacted to produce only the acid half ester with at least one hydroxyl group on the average per castor oil molecule.

12. In combination, an electrical conductor and insulation applied to the electrical conductor, the insulation composed of the resinous body produced by interpolymerizing of castor oil with both an acyl chloride having from 6 to 20 carbon atoms and an alpha, beta-olefinic dicarboxylic acid anhydride, the acyl chloride and alpha, beta-olefinic dicarboxylic acid anhydride esterifying substantially all of the hydroxyl groups of the castor oil, the alpha, beta-olefinic dicarboxylic acid anhydride being so reacted with the castor oil as to produce substantially only the acid half ester, and a reactable solvent for the reaction product, the solvent being composed of a liquid polymerizable monomer having the group $H_2C=C<$, and a reactable solvent for the reaction product, the solvent being a liquid polymerizable monomer having the group $H_2C=C<$, the mols of the solvent being from 5 to 95 for each 100 mols of combined solvent and reaction product.

2,462,210
STARCH ESTERS
Owen A. Moe, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application May 20, 1945, Serial No. 594,213
3 Claims. (Cl. 260—224)

1. Process of preparing starch esters which comprises contacting starch with aqueous formic acid containing from 40% to 85% formic acid to produce a starch formate having a formyl content of from 5% to 20%, precipitating and separating the starch formate from the reaction mixture, and esterifying the starch formate with an organic acylating agent in which the acyl group has at least three carbon atoms.

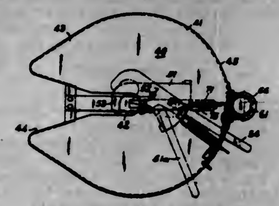
2,462,211
TRACTOR FIFTH-WHEEL SAFETY LOCK
Clyde L. Moore, Cleveland, Ohio
Application February 24, 1947, Serial No. 730,393
5 Claims. (Cl. 280—33.05)

to release said control means, a first normally open shunt circuit around the thermostat only, a first shunt switch in said first shunt circuit responsive to the switch-arm-releasing action of the solenoid, a second shunt circuit around both

ber and equipped with a rear plate and a hub extending rearwardly from the plate, a hollow shaft for said impeller mounted for rotation within said pump structure and receiving the hub of said impeller plate, means fixed to said shaft

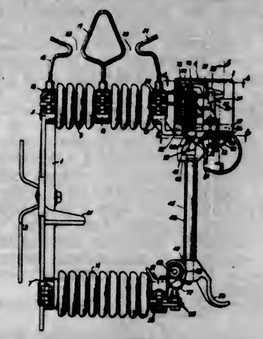
which is many times less than that of the float, extending upwardly therefrom above the surface of the liquid, an indicator float at the surface of the liquid and means interposed between the floats to cause relative displacement thereof in the plane

2,462,211
TRACTOR FIFTH-WHEEL SAFETY LOCK
Clyde L. Moore, Cleveland, Ohio
Application February 24, 1947, Serial No. 730,293
5 Claims. (Cl. 280—33.65)



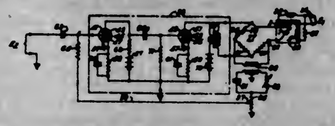
1. In an articulated vehicle, a safety coupler, comprising in combination, a fifth-wheel having a socket, a plate member having a king-pin engageable by the socket and an arcuate slot therein, a snatch-hitch mounted on the fifth-wheel engageable with the king-pin, and a safety-lock mounted on the fifth-wheel and including a trigger means capable of being actuated by the king-pin when the latter is unintentionally disengaged from the snatch-hitch and a bolt mechanism connected to the trigger means engageable by the arcuate slot when the said trigger means is actuated.

2,462,212
PROTECTIVE SWITCH
Carl E. Mosley, Overland, Mo., assignor to W. N. Matthews Corporation, St. Louis, Mo., a corporation of Missouri
Application November 6, 1944, Serial No. 562,096
2 Claims. (Cl. 200—88)



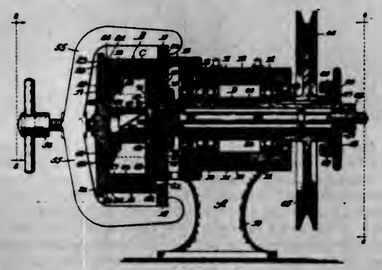
1. An electrical protective switch comprising a switch arm biased toward an open-circuit position, control means adapted at one position to hold said switch arm against said bias and in a closed-circuit position and at another position to release the switch for biased movement to said open-circuit position, a thermostat operatively connected with said control means in series with the switch arm when the latter is in closed-circuit position and adapted in response to current flowing through the switch arm to heat and cause said release, a solenoid operatively connected with the control means and also connected in series with said switch arm when the latter is in closed-circuit position and responsive to current to release said control means, a first normally open shunt circuit around the thermostat only, a first shunt switch in said first shunt circuit responsive to the switch-arm-releasing action of the solenoid, a second shunt circuit around both the thermostat and the solenoid, and a second shunt switch in said second shunt circuit responsive to initial opening action of the switch arm to close as the switch arm assumes open-circuit positions.

2,462,213
PHASE ANGLE METER
George W. Nagel and Mortimer A. Schultz, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1946, Serial No. 703,058
10 Claims. (Cl. 172—245)



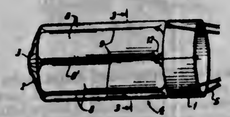
2. In a device responsive to the phase displacement between two alternating electrical quantities, means effective when energized by a first alternating quantity for producing a rotating magnetic field, a coil, means mounting said coil for rotation relative to said first-named means in said magnetic field, means responsive to a second alternating quantity for rotating the coil towards a position in the magnetic field determined by the phase relationship between the first and second electrical quantities, said coil having a voltage induced therein by said magnetic field which varies in phase relative to said first alternating quantity in accordance with the position of said coil relative to said first-named means, and means controlled by said voltage for supplying auxiliary alternating energy to said coil.

2,462,214
ROTARY PUMP WITH EASILY REMOVABLE ROTOR
Carl A. Namur, Kenosha, Wis., assignor to Specialty Brass Company, Incorporated, Kenosha, Wis., a corporation of Wisconsin
Substituted for abandoned application Serial No. 373,358, January 6, 1941. This application June 7, 1945, Serial No. 598,059
5 Claims. (Cl. 103—205)



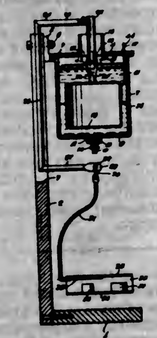
1. In a pump structure providing an impeller chamber, a pump impeller mounted in said chamber and equipped with a rear plate and a hub extending rearwardly from the plate, a hollow shaft for said impeller mounted for rotation within said pump structure and receiving the hub of said impeller plate, means fixed to said shaft for rotating the same, said hollow shaft being provided at its rear end with an outwardly-extending retainer flange, a rod received within said hollow shaft and fixed to said impeller plate hub, said rod having an outer threaded end, a wheel provided with a groove receiving said flange of the hollow shaft and being provided centrally with a nut receiving the threaded end of said rod, and a closure for said chamber axially aligned with said rod.

2,462,215
COMBINED BAG AND INFLATABLE PILLOW
William Z. Norman and Julius Billig, New York, N. Y., assignors to Bilnor Corp., a corporation of New York
Application September 18, 1946, Serial No. 697,606
6 Claims. (Cl. 5—341)



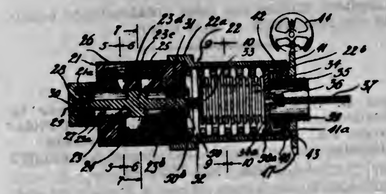
1. A combination hand-carrying bag and inflatable pillow, comprising a flap section open at the top, a bottom closed section, and an intermediate section bonded to both said flap and bottom sections, said intermediate section comprising two thicknesses of sheeting which are bonded together along a plurality of parallel spaced bond lines to thereby provide compartments, said compartments being intercommunicating at their ends, and means for inflating and deflating said compartments.

2,462,216
HYDRAULIC BALANCE
Leon J. Nowak, Jr., Chicago, Ill.
Application December 30, 1944, Serial No. 570,641
6 Claims. (Cl. 265—43)



1. In a hydraulic balance, a reservoir, a body of liquid therein, a master float entirely submerged in the liquid, a stem, the cross sectional area of which is many times less than that of the float, extending upwardly therefrom above the surface of the liquid, an indicator float at the surface of the liquid and means interposed between the floats to cause relative displacement thereof in the plane of the liquid surface in consonance with change in the depth of immersion of the master float, an indicator interposed between the floats to show such relative movement, means for supporting by the stem an object, the weight of which is to be determined, the floats, the stem, the weight supporting means and the indicator being normally out of contact with any part of and being free to move without interference in the reservoir.

2,462,217
VALVE FOR THERMAL SYSTEMS
Orion O. Oaks, Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y., a corporation of Delaware
Application July 3, 1945, Serial No. 603,056
1 Claim. (Cl. 236—99)



In a thermostatically actuated valve, a valve body, a centrally disposed chamber in said valve body, inlet and outlet ports communicating with said chamber, a valve member slidably mounted in said chamber and controlling the direction of flow through said ports, a valve stem for actuating said valve member, a thermostatically responsive bellows in engagement with said valve stem, a sealing bellows surrounding said thermostatically responsive bellows and sealed around its open end to said valve body, a plate in engagement with the other end of said sealing bellows, a housing surrounding said sealing bellows and secured to said valve body, the open end of said sealing bellows being sealed to said valve body by said housing, and means for adjusting the position of said plate and of said thermostatically responsive bellows including a threaded hollow stud extending through said housing and secured to said plate, a rotatable adjusting plate threaded upon said stud externally of said housing and a spring surrounding said stud within said housing and engaging said first named plate and said housing.

2,462,218
ELECTRICAL TRANSLATOR AND METHOD OF MAKING IT
Karl M. Olsen, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 17, 1945, Serial No. 588,847
9 Claims. (Cl. 175—366)

1. The method of making a translator for electric waves of high frequency which comprises forming a body of silicon material having a small percentage of impurities therein, heat-treating said body to form in the sub-surface thereof a thin layer of said material from which substantially all of said impurities are removed and on the surface a thin layer of material containing

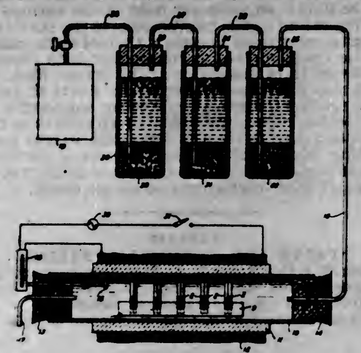
the removed impurities, removing the surface layer, and subjecting said body to a water vapor

casing providing a small expansion chamber, a trap pipe communicating with said expansion chamber extending downwardly below said casing,

its prism structure disposed horizontally, a base structure for stationarily supporting said outer lens, said lens being comprised of groups of com-

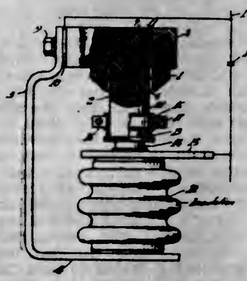
ments; said elements having their peripheries closed except for an annular peripheral discharge opening in said driven element; and said elements having vanes operatively related for the

the removed impurities, removing the surface layer, and subjecting said body to a water vapor



atmosphere during the heat treatment to accelerate the formation of said layers.

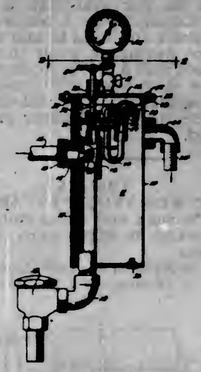
2,462,219
SPARK GAP DEVICE
James B. Owens, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 28, 1945, Serial No. 631,397
3 Claims. (Cl. 175—39)



1. A protective spark gap device adapted to maintain a stable arc and to discharge heavy currents for an appreciable length of time without damage, said spark gap device comprising a massive, generally cup-shaped carbon electrode having a generally cylindrical hollow therein, means for supporting said cup-shaped electrode in inverted position with said hollow opening downwards and open to the atmosphere, a massive generally cylindrical carbon electrode of greater length than the depth of said hollow and of smaller diameter than said hollow, and means for supporting said cylindrical electrode coaxially with the hollow of the cup-shaped electrode and with its upper end extending into the hollow and spaced from the cup-shaped electrode within the hollow to form a spark gap therein.

2,462,220
STEAM TREATING APPARATUS
Royce L. Parker, Addison, Ill.
Application February 23, 1946, Serial No. 649,713
3 Claims. (Cl. 183—39)

1. Apparatus for removing moisture and entrained water droplets from steam, comprising a casing providing a small expansion chamber, a trap pipe communicating with said expansion chamber extending downwardly below said casing, a pipe for conveying steam into said chamber, a screen in said expansion chamber and enveloping the inlet of said supply plant pipe, a conduit ex-



tending upwardly from said expansion chamber, a discharge nozzle connected to said upwardly extending conduit and directed downwardly for discharging steam toward the bottom of the casing, and an outlet pipe for dry steam extending laterally from said casing at right angles to the steam discharged from said nozzle.

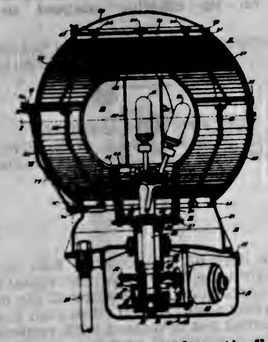
2,462,221
PROCESS FOR THE PRODUCTION OF ACETARYLAMIDES
Edgar Stagg Pemberton, Banstead, England, assignor to British Industrial Solvents, Limited, London, England, a British company
No Drawing. Application September 10, 1946, Serial No. 696,641. In Great Britain September 26, 1945
7 Claims. (Cl. 260—562)

1. A process for the production of acetarylamides which comprises heating an arylamine with an excess of acetic acid not exceeding about 20% by weight of the amount theoretically required in the presence of an amount of a volatile entrainer not exceeding about 5% by weight of the reaction mixture, said volatile entrainer being selected from the group consisting of benzene and toluene, effecting reaction at temperatures between 130° C. and about 200° C. whilst distilling off from the reaction mixture the water of reaction in the form of a binary mixture with said entrainer, condensing the distillate, separating the said entrainer therefrom, returning separated entrainer to the reaction mixture and finally distilling off the said entrainer by distillation under substantially atmospheric pressure and distilling off excess of unreacted acetic acid under subatmospheric pressure.

2,462,222
BEACON LIGHT
Willis A. Pennew, Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 19, 1943, Serial No. 499,243
5 Claims. (Cl. 240—1.2)

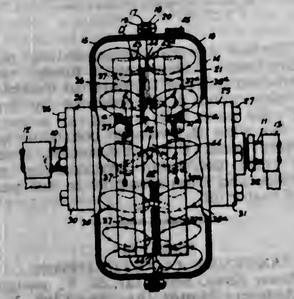
1. A rotating beacon light comprising, an outer Fresnel lens of generally globular shape having

its prism structure disposed horizontally, a base structure for stationarily supporting said outer lens, said lens being comprised of groups of complementary upper and lower lens segments, means comprising upper and center ring members and tie rods interposed between the upper and center ring members and the center ring member and base structure for retaining said lens segments in assembled relation, an inner Fresnel lens of generally globular shape having



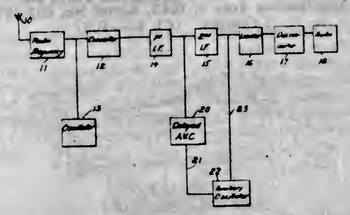
its prism structure disposed vertically, support means mounted on the base structure for rotatably supporting the inner lens within and centrally of the outer lens, said inner lens being comprised of a plurality of complementary lens segments, means comprising an upper ring member and a plurality of tie rods interposed between said ring member and the support means for retaining said lens segments in assembled relation, and a means mounted upon the support means for mounting a light source within the inner lens.

2,462,223
TURBINE PUMP TYPE HYDRAULIC COUPLING
Gust W. Peterson, Los Angeles, Calif.
Application April 13, 1946, Serial No. 662,014
8 Claims. (Cl. 60—54)

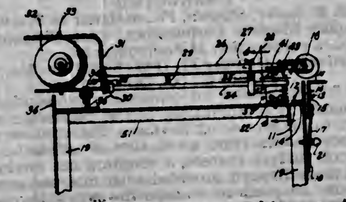


1. A fluid coupling comprising: a liquid-containing chamber; co-axially arranged and rotatably mounted driving and driven elements, one of which is composed of axially spaced sections between which the other element is interposed, with the peripheral portions of the elements and the outer sides of said sections spaced from the wall of said chamber to provide an unobstructed annular liquid-circulating space around the elements; said elements having their peripheries closed except for an annular peripheral discharge opening in said driven element; and said elements having vanes operatively related for the vanes of the driving element to draw liquid therefrom into said liquid-circulating space and force the liquid into opposite sides of the driven element so as to develop a torque-reaction upon the vanes thereof and then discharge therefrom through said opening into said liquid-circulating space for recirculation by the driving element.

2,462,224
NOISE REDUCING RADIO RECEIVER
Charles J. B. Rheams, Philadelphia, Pa., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 2, 1944, Serial No. 552,543
1 Claim. (Cl. 250—20)



In a frequency modulation receiver of the type comprising a carrier frequency signal transmission circuit, a carrier signal amplitude limiter stage, and a frequency detector stage having a different response band than the limiter stage, the improvement which comprises, in combination, a high frequency signal generator, the generated signal from which is applied, together with the carrier frequency signal from the signal transmission circuit, to the input circuit of said amplitude limiter stage, the frequency of said generated signal lying within the response band of said amplitude limiter stage but without the response band of said frequency detector stage, an automatic volume control circuit coupled to said transmission circuit for developing a control voltage the magnitude of which is dependent upon the amplitude of the carrier signal in said transmission circuit, and means for operatively applying said control voltage to said high frequency signal generator in such sense as to lower the output signal thereof as the amplitude of such carrier signal increases.

2,462,225
SAW FILING MACHINE
Arthur R. Roderick, Eagle River, Wis.
Application January 31, 1947, Serial No. 725,578
2 Claims. (Cl. 76—41)

1. In a saw-sharpening machine, a table, clamping means on a longitudinally extending

side of said table adapted to support a saw to be sharpened so that the teeth thereof project upwardly, a frame mounted for reciprocating travel

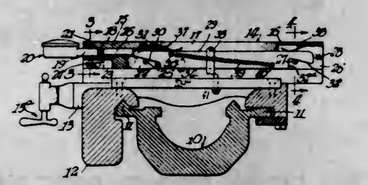
a flat contact end surface and a screw-threaded portion adjacent the flat end surface thereof, the screw-threaded portion of the second conductor

lator members in spaced relation to said supporting member, and means for fixedly securing

extending partially across it and terminating in inwardly spaced relation to one of said end walls and vertically abutting the upper side of a portion of the uppermost cigarette in the case be-

side of said table adapted to support a saw to be sharpened so that the teeth thereof project upwardly, a frame mounted for reciprocating travel on said table, a motor on said frame, a transversely disposed tool arm carried by said frame, a cutting tool, a flexible shaft operatively connecting said tool to said motor, means for attaching said cutting tool to said tool arm in a predetermined position for operation on the teeth of the saw, said attaching means comprising a head on said cutting tool, and a holder provided with a clamp adjustably secured to an end of said tool arm, said clamp embracing said head and secured thereto.

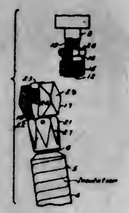
2,462,226
INDICATOR ATTACHMENT FOR MACHINE TOOLS
Albert Rosenow, Evergreen Park, Ill.
Application July 7, 1945, Serial No. 603,657
5 Claims. (Cl. 33—125)



1. An attachment for the slide of a machine tool and embodying therein a supporting means including longitudinally spaced block-like end pieces operatively secured together and each having a downwardly opening longitudinal groove therein, one of said end pieces being adapted to have an indicating mechanism carried thereby, an operating member for said mechanism slidably mounted in said one of said end pieces, a bar having end portions disposed in said grooves in said end pieces and formed with inclined longitudinal surfaces, a pin carried by each end piece and crossing the groove therein and upon which said inclined surfaces of the bar engage, resilient means between said end pieces and said bar respectively for yieldingly holding the inclined surfaces in engagement with said pins, said bar in its normal position having one end thereof engaged with said operating member, resilient means for urging said bar in one direction, and means providing an abutment on said bar and adapted for engagement with a fixed stop on a part of said machine tool upon which said slide, to which said supporting means is attached, is operatively engaged for movement.

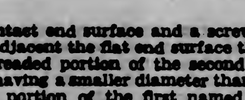
2,462,227
CONNECTOR
Louis E. Sauer, Sharon, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 12, 1944, Serial No. 558,305
4 Claims. (Cl. 287—117)

1. In a connector for connecting two conductor elements, in combination, a first conductor element to be connected having a flat contact end surface and external screw threads adjacent the flat end surface thereof, a coupling nut having a bore therethrough provided with internal screw-threads adapted to engage the screw-threaded portion of the first conductor element, a second conductor element to be connected also having a flat contact end surface and a screw-threaded portion adjacent the flat end surface thereof, the screw threaded portion of the second conductor element having a smaller diameter than the screw threaded portion of the first named conductor element, a differential nut having a bore therethrough and screw threads on the surface of the bore adapted to engage the screw threads adjacent the end of the second conductor element, the differential nut also having screw threads on its exterior adapted to engage



within the bore of the coupling nut, the screw threads within the bore of the differential nut and the screw threads on the exterior of the differential nut having a differential pitch such that when the differential nut is rotated with respect to the two conductor elements and the coupling nut, a relative movement of the end surfaces of the two conductor elements will be effected to bring them into tight engagement or to separate them as desired.

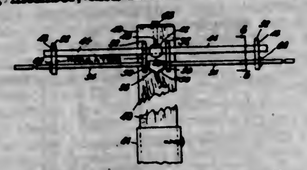
2,462,228
INSULATING MATERIAL
Earl L. Schulman and Robert D. Jerabek, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 24, 1944, Serial No. 537,032
2 Claims. (Cl. 154—2.6)



1. A flexible electrically insulating material comprising mica flakes and a binder therefor composed essentially of 100 parts by weight of extracted pine wood pitch obtained by first extracting pine wood with a coal tar solvent and, second, removing the volatile constituents from said extract and, third, extracting from the residual resin petroleum hydrocarbon soluble components, and from about 60 to 100 parts by weight of castor oil.

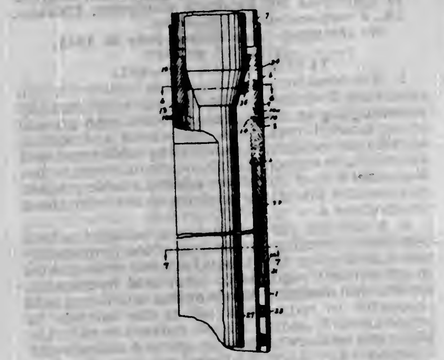
2,462,229
ANTENNA CONSTRUCTION
John Wilson Shur, Sea Cliff, N. Y., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y., a corporation of New York
Application December 29, 1944, Serial No. 570,297
9 Claims. (Cl. 250—33.65)

1. An antenna unit comprising in combination a relatively long supporting member, a series of insulator members attached in spaced relation along said member and rotatably mounted radially with respect to the axis thereof, a long rigid metallic antenna element mounted in said insulator members in spaced relation to said supporting member, and means for fixedly securing



said insulator members to said supporting member at the desired position.

2,462,230
OUTSIDE PIPE CUTTER
William W. Smith, Houston, Tex.
Application January 27, 1947, Serial No. 724,548
4 Claims. (Cl. 164—0.6)



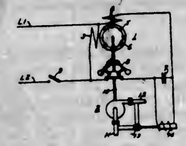
1. An outside pipe cutter comprising, a rotatable body shaped to telescope over a pipe stuck in a well bore, a cutter mounted in the body to rotate on a horizontal axis, a tubular stem mounted in the body, pipe engaging means on the stem engageable with the stuck pipe to hold the stem against rotation as the body rotates, a cutter actuator having a splined connection with the body and a threaded connection with the stem and releasable from the stem upon rotation of the body, said actuator being arranged to engage the cutter and rotate it inwardly into engagement with said pipe upon release and downward movement of the actuator, a sleeve threaded onto the stem and having a splined connection with the body, a compression spring between the sleeve and actuator effective to apply yielding pressure to the actuator and cutter as the sleeve is screwed downwardly on the stem.

2,462,231
CIGARETTE DISPENSING CONTAINER AND LIGHTER
Fred Stein, Bridgeport, Conn.
Application January 1, 1944, Serial No. 516,613
2 Claims. (Cl. 206—41.3)

1. In a combined container and lighter for cigarettes, a case including vertical side and end walls and adapted to contain a plurality of vertically superimposed side by side cigarettes with the ends of said cigarettes substantially in guided engagement with said end walls, a fixed horizontal cigarette guiding abutment wall in said case extending partially across it and terminating in inwardly spaced relation to one of said end walls and vertically abutting the upper side of a portion of the uppermost cigarette in the case between its end to be lighted and a point substantially inwardly spaced from its mouth engaging end, said one end wall having a lateral ejection

passage in lateral alignment with the end of said uppermost cigarette and a cigarette receiving lighter compartment vertically offset above said ejection passage and vertically continuous therewith, and a lighter unit vertically above said abutment wall and disposed in lateral alignment with said cigarette receiving lighter compartment.

2,462,232
CONTROL MEANS
Joseph M. Stein, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 8, 1946, Serial No. 675,339
6 Claims. (Cl. 230—22)



1. In combination, a single-phase induction motor having a main primary winding, an auxiliary primary winding, a capacitor connected in series with said auxiliary primary winding, means for opening the circuit of the auxiliary primary winding and capacitor when the motor reaches a predetermined speed, a device to be actuated during starting of the motor, said device including a solenoid for effecting actuation of the device, and means for energizing said solenoid in response to the voltage across said capacitor.

2,462,233
MOTOR CONTROL SYSTEM
Glenn E. Stoltz, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1947, Serial No. 758,195
13 Claims. (Cl. 318—7)

13. In a control system for a reel motor for use with a reel, generator means connected to supply electrical energy to the reel motor, regulating means normally controlling the supply of electrical energy in accordance with a predetermined pattern and the load on the motor, control means responsive to the diameter of the coil on the reel, an inertia compensation generator connected to vary the control of the regulating means in opposite sense from normal during acceleration and

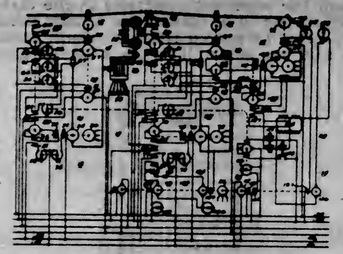
deceleration, and additional control means operable in response to operation of said control means to provide a drooping and then a rising output

said magnet having recesses cut out at one side to release the balls when shifted, means control-

coupled to said rotor and having an outline including a depression, a cam follower normally resiliently supported within said depression, a

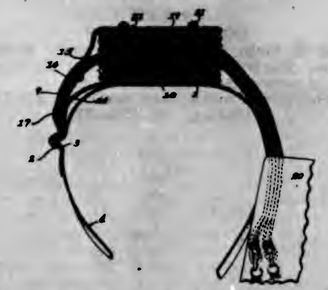
tion and is of leg shaping only in the plane of the panel, said panel being located substantially midway between and inset from the opposite sides of the foot portion, and said ankle portion being

deceleration, and additional control means operable in response to operation of said control means to provide a drooping and then a rising output



curve for the inertia compensation generator conforming to the torque requirements of a reel drive with increasing reel diameter.

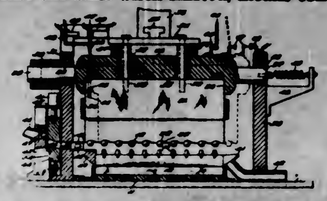
2,462,224
PARACHUTE
Leo E. Supina, Westford, Conn., assignor of one-half to Alfred A. Supina, Stafford Springs, Conn.
Application February 9, 1946, Serial No. 646,659
2 Claims. (Cl. 244—151)



1. In a parachute, a harness, shroud lines, riser webs connected in pairs at one end to said harness at opposite sides thereof and connected at the other ends thereof to said shroud lines, and elastic shock absorbing webs normally shorter than said riser webs connecting said harness to said shrouds and interposed between said pairs of riser web, said riser webs being folded intermediate the ends thereof upon opposite sides of said elastic webs, and pull-apart means connecting the folds of said elastic webs and said riser webs.

2,462,235
MAGNETIC BALL TRANSFER
John A. Swenton, Bristol, Conn.
Application February 14, 1946, Serial No. 647,500
9 Claims. (Cl. 51—74)

1. A magnetic ball transfer including a frame having uprights, a ball holder slidable horizontally therein and normally held in one position and movable to another position, means to move the holder to different positions, electro-magnetic means for holding the same in the other position, means electrically operated for automatically feeding balls singly to receiving position, an electro-magnet carried by said holder, means for raising and lowering said electro-magnet, means for receiving the balls in the different positions, said magnet having recesses cut out at one side to release the balls when shifted, means control-



ling said actuating means, and receiving means for the balls.

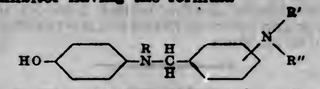
2,462,236
MANUFACTURE OF SILICA HYDROGEL AND CATALYSTS
Charles L. Thomas, Western Springs, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 30, 1945, Serial No. 607,903
13 Claims. (Cl. 252—451)

1. A process for producing silica hydrogel which comprises forming an alkaline silica hydrogel by commingling an alkali metal silicate with an acid in an amount required to form said hydrogel in an alkaline medium, commingling additional acid therewith to reduce the pH of the mixture to below about 5, and thereafter adding a basic reagent to raise the pH of the mixture to between about 5 and about 8.

4. A process for producing a catalyst which comprises forming an alkaline silica hydrogel by commingling an alkali metal silicate with an acid in an amount required to form said hydrogel in an alkaline medium, commingling additional acid therewith to reduce the pH of the mixture to below about 5, adding a basic reagent to raise the pH of the mixture to between about 5 and about 8, washing said silica hydrogel to remove alkali metal ions, and thereafter combining said hydrogel with a metal oxide to form a composite having catalytic properties.

2,462,237
STABILIZATION OF ORGANIC COMPOUNDS
Ralph B. Thompson and Joseph A. Chenicek, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 29, 1946, Serial No. 658,207
5 Claims. (Cl. 44—75)

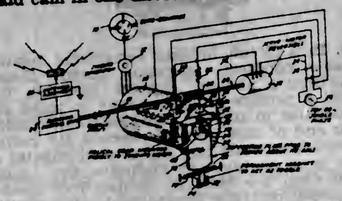
1. A cracked gasoline motor fuel tending to deteriorate in the presence of oxygen containing an inhibitor having the formula



where R, R', and R'' are selected from the group consisting of H and alkyl radicals.

2,462,238
ELECTRICAL SKEVO SYSTEM
Erich J. Uhlig, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 30, 1945, Serial No. 591,864
2 Claims. (Cl. 318—30)

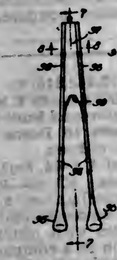
1. The combination of a synchro motor provided with a stator and a rotor, a cam rigidly coupled to said rotor and having an outline including a depression, a cam follower normally resiliently supported within said depression, a reversible motor having a drive shaft for driving a load and a power input circuit including a pair of stationary contacts and a movable contact, a supporting plate forming a support for said movable contact and two arms pivotally connected to each other at one end, one of said arms being secured to said plate and the other of said arms being secured to said cam follower, and means for applying to said plate balanced spring pressure in opposite directions to maintain said plate in a normally centered position, whereby rotation of said cam in one direction brings said movable



contact into engagement with one of said stationary contacts to energize said reversible motor and drive said shaft in one direction, and movement of said cam in the opposite direction brings said movable contact into engagement with the other said stationary contacts to energize said reversible motor and drive said shaft in the opposite direction, and means responsive to the rotation of said shaft for rotating said stator in a direction opposite to that of said cam whereby to return said cam and cam follower to their original relative positions to bring said movable contact out of conductive engagement with either of said stationary contacts.

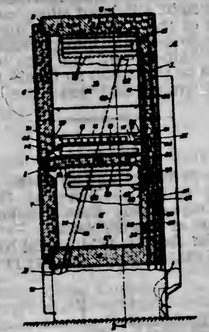
2. The invention as set forth in claim 1 wherein at least a portion of said supporting plate is of magnetic material and a permanent magnet is provided with pole pieces on opposite sides of said portion.

2,462,239
BOOT FORM
George L. Van Dinter, Pomona, Calif., and William E. Austin, Mishawaka, Ind., assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana
Application August 23, 1944, Serial No. 550,714
7 Claims. (Cl. 12—41)



1. A boot making form comprising a foot portion and a leg portion and an ankle portion, the foot portion being fully foot shaped and of substantially greater width than the thickness of the leg portion, the leg portion being a relatively thin panel which extends upwardly from the foot portion and is of leg shaping only in the plane of the panel, said panel being located substantially midway between and inset from the opposite sides of the foot portion, and said ankle portion being between the foot and leg portions and shaped to merge at the bottom into the fully foot shaped foot portion and tapered upwardly at opposite sides to merge at the top into the flat panel.

2,462,240
TWO-TEMPERATURE REFRIGERATOR SYSTEM
Paul D. Van Vliet and Bartell J. Houkes, Galesburg, Ill., assignors to Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 21, 1945, Serial No. 583,925
11 Claims. (Cl. 62—4)



1. In a household refrigerator, a condensing unit, an evaporator in fluid circuit therewith, a storage compartment in which said evaporator is positioned, a second evaporator, in series with said first mentioned evaporator, adapted for ice cube freezing, a restricted passage between said evaporators, a shut off valve for said second evaporator adapted, when closed, to prevent the flow of refrigerant through said second evaporator, and bypass means adapted to permit a return flow of refrigerant from said first mentioned evaporator to said condensing unit when said shut off valve is closed.

2,462,241
RADIOACTIVE METAL PRODUCTS AND METHODS OF MAKING SAME
Clarence W. Wallhausen and Harry H. Dooley, Morristown, N. J., assignors to United States Radium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application November 26, 1946, Serial No. 712,250
14 Claims. (Cl. 252—301.1)

1. The method of preparing a mixture of metallic gold and a radioactive compound which comprises preparing an aqueous solution of a reducible gold salt and a water-soluble salt of a radioactive element, adding to the solution a substance capable of reducing the gold salt in solution to metallic gold and a substance capable of forming an insoluble compound of the radioactive element thereby forming a mixed precipitate of metallic gold and insoluble radioactive compound, and separating said mixed precipitate from the residual solution.

2,462,242
SILICONE SURFACED COOKING IMPLEMENT
Paul S. Webb and John P. Foster

2,462,244
CIRCUIT BREAKER

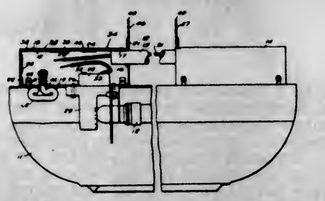
from said rockshafts and connected with the two pistons, the shorter of said arms being connected with the piston in said one cylinder, the latter

tween the barrel and the spear, said trigger means consisting of a rocker and a finger carried by the rocker for engaging a formation on

2,462,242
SILICONE SURFACED COOKING IMPLEMENT
Paul S. Webb and John R. Koster, Boulder City, Nev.
Application April 6, 1948, Serial No. 19,353
3 Claims. (Cl. 220—64)

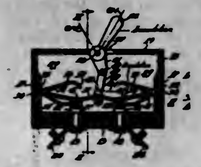
2. A metallic cooking implement having a cooking surface consisting of a very thin film of a permanently viscous, non-thermosetting, high molecular weight alkylated siloxy composition in which most of the silicon atoms are attached to two carbon atoms, said film providing a surface very easily cleaned, and said film being so thin and adhered to the metal so firmly that the silicone is not transferred onto the food cooked thereon.

2,462,243
LUMINAIRE
Frederic C. Winkler and Burton A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 18, 1944, Serial No. 545,422
4 Claims. (Cl. 240—51.11)



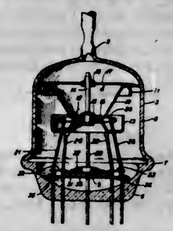
3. A luminaire for use with high wattage electric discharge lamps of the tubular type comprising, a pair of spaced housings having open sides and top and bottom openings, a U-shaped cover for each housing detachably secured thereto and normally covering said side and top openings, said cover being movable to expose and give access to said openings, a lamp holder attached to the bottom of each housing with its terminal portion extending through the bottom opening into the housing and its lamp supporting portion extending therebelow for supporting the lamp beneath the housings, a continuous tubular member rigidly interconnecting said housings and terminating therein adjacent their top portions, said tubular member, being exposed to the atmosphere throughout its length between the housings and functioning both as a rigid connection for the housings and as an exposed wireway for the electrical wiring, an inverted trough-shaped reflector, and means carried by the housings for detachably securing the reflector thereto, said reflector having spaced openings therein through which the lamp supporting portions of the lamp holders extend and having its top surface spaced from the exposed tubular wireway between the housings, thereby to provide for thermally insulating the wireway from the reflector and lamp.

2,462,244
CIRCUIT BREAKER
Ernest G. Wipe, Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 16, 1944, Serial No. 563,641
18 Claims. (Cl. 200—113)



18. In a circuit breaker comprising relatively movable contacts, operating means therefor comprising a bimetal element operable when heated a predetermined amount to move from one position to another, movable means disposed at an end of said bimetal element for movably supporting at least one end of said bimetal element in a manner to maintain the contacts closed until the bimetal element has moved a substantial distance toward said other position, and means on said movable support means engageable by said bimetal element when said bimetal moves to said other position to effect opening of said contacts.

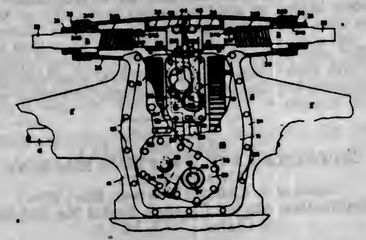
2,462,245
SPACE DISCHARGE DEVICE
Leland A. Wooten, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 456,904
7 Claims. (Cl. 250—165)



1. A caesium producing mixture comprising a caesium compound which reacts with powdered aluminum when heated, powdered aluminum and cuprous oxide.

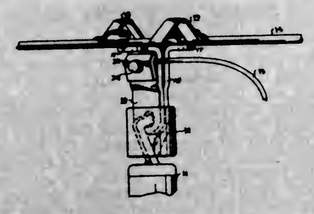
2,462,246
HYDRAULIC POWER LIFT MECHANISM
Wayne H. Worthington and Emil F. Jirsa, Waterloo, Iowa, assignors to Deere Manufacturing Co., a corporation of Iowa
Application August 4, 1944, Serial No. 548,686
7 Claims. (Cl. 60—97)

5. In power lift mechanism, a pair of lifting rockshafts disposed coaxially end to end, a pair of hydraulic cylinders with pistons therein disposed in juxtaposition in a compact arrangement near the adjacent ends of said rockshafts with one cylinder in overlapping relation to the other cylinder between the latter and said rockshafts, and a pair of actuating arms of unequal length fixed to the adjacent ends of said rockshafts, respectively, and extending side by side radially from said rockshafts and connected with the two pistons, the shorter of said arms being connected with the piston in said one cylinder, the latter



having a shorter stroke but greater diameter than said other piston and cylinder to apply substantially equal torque at the two rockshafts.

2,462,247
ELECTRICAL SNAP-ON WIRE CONNECTOR
Stewart E. Wright, Cincinnati, Ohio
Application February 4, 1948, Serial No. 6,286
9 Claims. (Cl. 173—273)

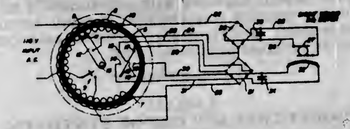


1. A snap-on device for connecting a tap wire to an elongated line wire, said device comprising a body portion adapted to be fastened to the tap wire, said body portion comprising a pair of L-shaped members fastened in back-to-back relationship and defining a contact surface to be engaged by the line wire, wire engageable spring means carried by said body portion and extending outwardly from said contact surface, said wire engageable spring means terminating in line wire contact means urged toward the said contact surface to engage the line wire to thereby hold the same between the contact surface and the wire engagement surface when the snap-on device is connected to the elongated line wire.

2,462,248
SPEAR GUN
Marcus J. Zbar, Tampa, Fla.
Application September 11, 1944, Serial No. 553,625
2 Claims. (Cl. 124—26)

1. A spear gun of the character described comprising an elongated barrel, a spear adapted to be projected through the barrel, a sling, spring connections between the sling and the barrel, said sling being adapted to engage the rear end of the spear, and trigger means between the barrel and the spear, said trigger means consisting of a rocker and a finger carried by the rocker for engaging a formation on the spear, said rocker having its free end bifurcated and a pivotal arm on the barrel provided with a cross pin, said arm being adapted to be swung into the bifurcated portion of the rocker with the cross pin engaging the underside of the rocker.

2,462,249
ELECTRIC MOTOR CONTROL SYSTEM
Eugene R. Ziegler, Spencerport, N. Y., assignor to Ritter Company, Inc., Rochester, N. Y., a corporation of Delaware
Original application March 20, 1947, Serial No. 736,031. Divided and this application April 30, 1948, Serial No. 24,193
10 Claims. (Cl. 318—263)



1. The combination of an alternating current circuit including a transformer having a winding provided with a pair of spaced secondary terminals and with a movable secondary terminal intermediate said spaced terminals, a direct current machine having armature and field windings, a pair of rectifiers for supplying current to said armature and field windings, respectively, each of said rectifiers being connected to one of said spaced terminals and to said movable terminal, and a control member for moving said movable terminal along and in contact with said winding from one toward the other of said secondary terminals thereof, to vary the ratio of currents supplied to said rectifiers and to the windings of said machine, for controlling the operation thereof.

2,462,250
STAPLE PULLER
Howard David Andrews, Salinas, Calif.
Application November 18, 1944, Serial No. 564,057
2 Claims. (Cl. 254—28)

1. In a tool of the character described, a pair of tongs pivoted together to form a pair of jaws on one side of the pivot and a pair of handles on the other side of the pivot, the jaws having parallel contact faces when the handles are pressed toward one another and having lateral extensions shaped to form a hammer head, one of the jaws having a tooth projecting into the other jaw adjacent to and on one side of the median plane of the head and having a recess adjacent to and on the other side of the said median plane, and the other jaw having a similar tooth mounted opposite the recess and having a recess opposite the first tooth, the teeth being operable for engagement under an embedded staple, and the outer faces of the teeth lying in the end surface of the head while the under faces of the teeth are tapered for exerting outward pull on the staple when the handles are pressed toward one another.

2,462,251
PROCESS FOR PREPARING ASCORBIC ACIDS
Henry H. Rogsford, Jr., and William S. Hoerger,

ing condensation product having viscosity derived in part from the methyl cellulose, forming

6. An insulating body for a solidifying casting, which comprises vermiculite in its unexpanded state, a combustible filler, and a bonding agent

by said packings, means to retain said packings on said body, and sleeves of non-metallic material about said body over the exposed areas thereof whereby wear on the plunger and well pump

2,462,251
PROCESS FOR PREPARING ASCORBIC ACIDS
Henry H. Bassford, Jr., and William S. Harmon, Elizabeth, and John F. Mahoney, Westfield, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application May 16, 1945, Serial No. 594,171
21 Claims. (Cl. 260—344.5)

1. The process for preparing ascorbic acid compounds that comprises heating a 2-keto-hexonic acid compound selected from the group consisting of 2-keto-hexonic acids and esters and methylene-ether derivatives thereof, with concentrated aqueous hydrochloric acid and an organic solvent which is immiscible with aqueous hydrochloric acid and is a non-solvent for ascorbic acid compounds, thereby converting said 2-keto-hexonic acid compound to the corresponding ascorbic acid compound, and evaporating a portion of said organic solvent together with substantially all of the other volatile components, thereby forming a suspension of crystalline ascorbic acid compound in residual organic solvent.

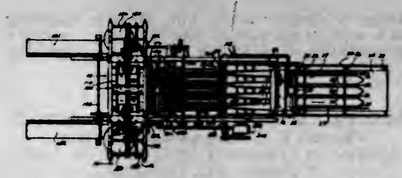
2,462,252
PRODUCTION AND USE OF SYNTHETIC RESIN
Raymond G. Booty, Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash., a corporation of Washington
No Drawing. Application January 25, 1944, Serial No. 519,645
7 Claims. (Cl. 154—133)

1. The method which comprises heating and condensing to a dissolved water-soluble resin-forming condensation product 1 mole of phenol and about 1.87 moles of formaldehyde in water in the presence of alkali-metal-hydroxide catalyst and in the presence of from about 2 to about 9 parts by weight of polyvinyl alcohol to 100 parts of phenol and conducting said reaction to a stage short of solidification of the mass when cooled to 25° C., thereby providing an alkaline aqueous solution of reactive resin-forming condensation product having viscosity derived in part from the polyvinyl alcohol, forming a film-layer of aqueous liquid glue containing said resin-forming solution as a glue base between layers of solid material including at least one glue-absorbent layer, whereby the viscosity of the glue retards penetration of glue into said layer, and applying heat and mechanical pressure to said layers with said interfacial glue and drying out and thermosetting the resin-forming content thereof.

2,462,253
PRODUCTION AND USE OF SYNTHETIC RESIN
Raymond G. Booty, Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash., a corporation of Washington
No Drawing. Application January 25, 1944, Serial No. 519,646
7 Claims. (Cl. 154—133)

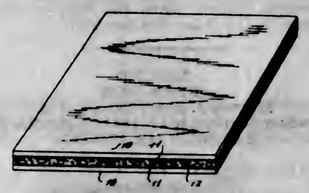
1. The method which comprises heating and condensing to a dissolved water-soluble resin-forming condensation product 1 mole of phenol and about 1.87 moles of formaldehyde in water in the presence of alkali-metal-hydroxide catalyst and in the presence of methyl cellulose of the type soluble in alkaline aqueous solution, said methyl cellulose being dispersed in quantity to yield a liquid reaction mass, and conducting said reaction to a stage short of solidification of the mass when cooled to 25° C., thereby providing an alkaline aqueous solution of reactive resin-forming condensation product having viscosity derived in part from the methyl cellulose, forming a film-layer of aqueous liquid glue containing said resin-forming solution as a glue base between layers of solid material including at least one glue-absorbent layer, whereby the viscosity of the glue retards penetration of glue into said layer, and applying heat and mechanical pressure to said layers with said interfacial glue and drying out and thermosetting the resin-forming content thereof.

2,462,254
MULTIPLE LANE WRAPPING MACHINE AND METHOD
Samuel J. Campbell, Green Bay, Wis.
Application August 17, 1942, Serial No. 455,086
24 Claims. (Cl. 93—3)



1. In a multiple lane wrapping machine having means for feeding a plurality of articles along adjacent paths, means for feeding a broad wrapping web upon which individual wrapper designs are printed in adjacent series, and means for slitting said web into separate strips each containing a series of wrapper designs, the combination with means for laterally spacing the strips in the course of their advance, of means for tubing the respective strips about the successive articles fed upon the respective paths, means for cutting the respective strips between wrapper designs and between the articles entubed therein, and means for completing the packaging of the respective articles in the wrappers cut from the respective strips.

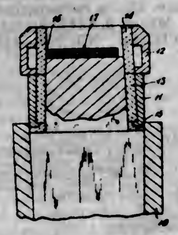
2,462,255
INSULATING COVER
Walter M. Charman, Shaker Heights, and Benjamin F. Anthony, Cleveland Heights, Ohio, assignors to Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application July 28, 1945, Serial No. 607,500
9 Claims. (Cl. 22—147)



1. The method of creating in situ an insulating blanket for a solidifying casting, which comprises placing over the hot metal a covering comprising noncombustible material of the group consisting of vermiculite and perlite of a character to expand permanently under the influence of heat from the casting to occupy a space at least five times that occupied by the material when deposited.

6. An insulating body for a solidifying casting, which comprises vermiculite in its unexpanded state, a combustible filler, and a bonding agent formed, and dried.

2,462,256
INSULATING COVER
Walter M. Charman, Shaker Heights, and Benjamin F. Anthony, Cleveland Heights, Ohio; said Anthony assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application November 2, 1945, Serial No. 626,264
4 Claims. (Cl. 22—147)



3. An insulating cover for a solidifying ferrous metal casting, which comprises a slab having a rigid layer which when subjected to the action of heat from the molten metal is substantially infusible, incombustible and self-sustaining, a layer of insulating material carried on the upper side of said rigid layer and a third layer comprising adherent material on the lower side of said rigid layer, said third layer comprising a combustible bonding agent and a filler and being adapted to disintegrate under the influence of heat from the said metal and deposit insulating material in comminuted form upon the casting to constitute an insulating blanket in direct contact with the surface of the casting which follows the metal of the latter downwardly as the formation of the shrinkage cavity progresses.

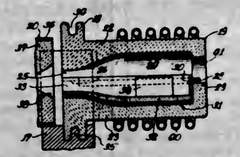
2,462,257
PUMP PLUNGER
John D. Cunningham, Houston, Tex.
Application September 19, 1944, Serial No. 554,801
9 Claims. (Cl. 103—225)

1. A plunger for well pumps comprising a body, a plurality of spaced packings thereon providing exposed areas of said body which are not covered by said packings, means to retain said packings on said body, and sleeves of non-metallic material about said body over the exposed areas thereof whereby wear on the plunger and well pump are minimized.

2,462,258
CAP
Milton A. Dannenberg, Chicago, Ill.
Application March 21, 1946, Serial No. 655,908
3 Claims. (Cl. 2—172)

1. A cap comprising a crown, a visor, an eye shield, means connecting said visor and shield to the base of said crown, said shield extending at both ends beyond the ends of said visor, a U-shaped piece comprising a bight portion connected to said base beyond said visor and terminating at the ends of said visor and exteriorly overlapping and extending end portions of said shield, said bight being dimensioned to protect the ears and back of the neck of the wearer, the arms of said U-shaped piece constituting straps having means for fastening the same under the chin of the wearer, said piece being of limp material and being foldable selectively within or over said crown into flatwise engagement therewith, said fastening means being interconnectable at the top of the crown with said straps in snug engagement with the crown, and a coat collar covering flap of generally trapezoidal form with its short base connected to the lower margin of said bight and the remainder of said flap free and its ends exteriorly overlapping said straps.

2,462,259
CRUCIBLE HOLDER AND CRUCIBLE
John Frei, Jr., Chicago, Ill.
Application January 20, 1945, Serial No. 573,746
5 Claims. (Cl. 263—11)



1. In a crucible structure for use in centrifugal casting, a refractory body formed in two separate superposed interiorly recessed sections defining a melting chamber, said body having a restricted opening leading through its outer end from said chamber, and an open top crucible seating in the recess of the lower one of said sections having a restricted discharge neck extending through said opening, said body having integral inwardly projecting end walls restraining said crucible against endwise movement relative to said body.

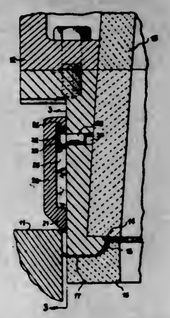
2,462,260
HOT TOP BLOCKING

hub, comprising rivets extending through the center portion of the hub and through the sides,

2,462,264
BALE TIE BUCKLE
Jack Hess, Houston, Tex.

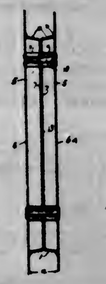
peated during the remaining portion of the period of translation of said combined signals following said one selected pulse, and a signal-translating

2,462,260
HOT TOP BLOCKING
Levi J. Garma, Lakewood, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application April 12, 1947, Serial No. 741,114
8 Claims. (Cl. 22—147)



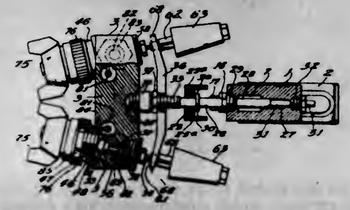
1. In a hot top of the floating type adapted to be supported at a plurality of points upon an ingot mold during the pouring operation, a plurality of headed pins mounted in and projecting outwardly from said hot top, a like number of blocks abutting the walls of the hot top adapted to rest upon a mold, each of said blocks having a transverse channel therein receiving one of said pins, said channel where it crosses the longitudinal axis of the block being adapted, when the block is in upright position and resting upon the mold, to support a pin, and said channel having a lateral leg adapted to guide the movement of the block when the latter is shifted away from pin supporting position.

2,462,261
MOVING PICTURE FILM REEL
Jacob M. Goldberg, Denver, Colo.
Application June 11, 1945, Serial No. 598,747
2 Claims. (Cl. 242—74)



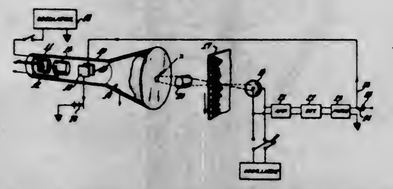
1. A reel for moving picture films, comprising, two circular sides, and a substantially cylindrical hub formed from two identical parts, each part having a central portion and an outwardly extending continuous flat flange connected therewith by means of an outwardly flaring frusto-conical surface, the hub members having the central portions in contact, means for securing the hub members and the sides to each other with the sides in contact with the flanges of the hub, comprising rivets extending through the center portion of the hub and through the sides, whereby a unitary reel assembly is formed, the distance between the outer surfaces of the flanges being slightly greater than the width of the film to be wound thereon and the distance between their inner surfaces being slightly less than the width of the film.

2,462,262
DUAL SPRAY GUN
Eric Gustafson and Harold L. Striegel, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 9, 1944, Serial No. 525,636
4 Claims. (Cl. 299—140)



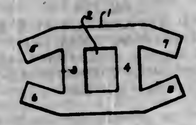
1. In a dual type of spray gun, a gun body, a pair of spray nozzles supported on the gun body, a pair of needle valves to control the spray from the nozzles, spring means normally closing said valves, a yoke connected at its opposite ends to the needle valves so that when the yoke is moved in one direction the needle valves will open and when it is moved in the opposite direction said valves will be closed by their respective springs, a guide member, means on the gun body to mount the guide member so that it may reciprocate, said yoke being rigidly but adjustably connected to the guide member so as to reciprocate therewith, and means movably supported on the gun body and adapted to engage the guide member to move the same to effect opening of said needle valves.

2,462,263
REPRODUCTION OF SOUND
Harold E. Haynes, Indianapolis, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application February 2, 1945, Serial No. 575,885
5 Claims. (Cl. 179—100.3)



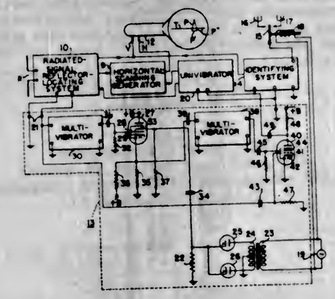
1. In a device for reproducing sound from a variable width sound record, means for producing a light spot which varies in intensity at a super-audible frequency, and means responsive to light transmitted through said record for moving said spot in accordance with the contour of the boundary between the opaque and transparent areas of said record.

2,462,264
BALE TIE BUCKLE
Jack Hess, Houston, Tex.
Application December 11, 1944, Serial No. 567,586
2 Claims. (Cl. 24—23)



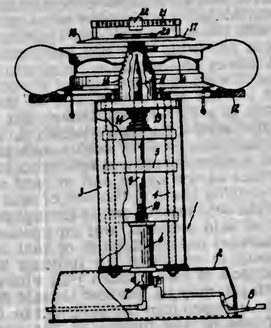
1. A bale tie buckle comprising a member of substantially H-shape with four projecting ends, said member having an opening in its transverse portion to receive in overlapping relation the ends of a bale tie to be secured thereby, the member being adapted to be rotated about its transverse portion to reversely bend overlapped portions of the tie about each of the branches formed in the transverse portion of the buckle by said opening, whereby said projecting ends of said member lie substantially parallel alongside the tie, and said projecting ends being deformable inwardly substantially in the plane of the buckle to engage the surface of the tie.

2,462,265
FREQUENCY DIVIDER
Charles J. Hirsch, Douglaston, N. Y., assignor, by mesne assignments, to Haseltine Research, Inc., Chicago, Ill., a corporation of Illinois
Application August 16, 1944, Serial No. 549,743
5 Claims. (Cl. 250—27)



1. A frequency divider comprising, a first input circuit adapted to have applied thereto a high-periodicity recurrent-pulse signal, a second input circuit adapted to have applied thereto a periodic control signal having a periodicity substantially lower than that of said first-mentioned signal and nonintegral with respect thereto, repeater means for combining said signals and responsive to the combined amplitudes thereof for repeating during each period of said control signal only a portion of said combined signals including only a limited number of pulses of said first-mentioned signal, pulse-responsive means responsive to at least one selected pulse of said repeated pulses occurring during each period of said control signal for initiating a pulse of a recurrent-pulse signal and for thereafter rendering said pulse-responsive means unresponsive to any pulse repeated during the remaining portion of the period of translation of said combined signals following said one selected pulse, and a signal-translating channel coupled to said first input circuit and responsive to said last-mentioned recurrent-pulse signal for translating during each pulse thereof said first-mentioned signal to derive a recurrent-pulse signal having a predetermined time relationship with said first-mentioned signal but an average periodicity equal to that of said control signal.

2,462,266
STATIC WHEEL BALANCING APPARATUS
George H. Howard, Long Beach, Calif.
Application August 2, 1946, Serial No. 688,388
3 Claims. (Cl. 73—66)



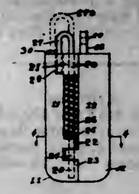
1. In a wheel balancing device, a stand, a shaft mounted in said stand, means connected to said shaft to move the shaft vertically, and means on the upper end of said shaft adapted and arranged to receive a wheel, a pointer journaled on said last named means, said pointer being adapted to be moved in a substantially horizontal plane, a bubble level mounted on the pointer and a balance weight slidably mounted on the pointer.

2,462,267
ORGANO-SILOXANE POLYMERS AND METHODS OF PREPARING THEM
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Original application February 26, 1942, Serial No. 432,528. Divided and this application April 17, 1943, Serial No. 483,449
3 Claims. (Cl. 260—448.2)

3. A copolymeric organosiloxane comprising copolymeric units which contain substantially entirely oxygen atoms, organo-silicon units which correspond to the general formulae $(CH_3)Si=$, $(C_6H_5)(C_2H_5)Si=$, and $(C_6H_5)(CH_3)_2Si-$, respectively, said units being present in substantially equimolecular amounts, said organo-silicon units being the only silicon units present in said organosiloxane and being joined to each other by said oxygen atoms by silicon-oxygen linkages, the remaining valences of the silicon atoms being satisfied by said silicon-oxygen linkages.

friction member contacting the under face of said

2,462,268
LOCKING MEANS FOR A HINGED IMPACT MASS OR WEIGHT FOR MARINE EQUIPMENT
Joseph Kahl, New York, N. Y.
Application May 1, 1947, Serial No. 745,336
2 Claims. (Cl. 16—1)

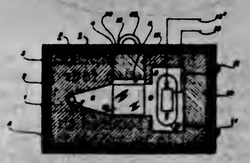


1. A locking means, for a hinged impact mass or weight for marine equipment comprising a pair of sections hingedly connected to each other at the rear side thereof, comprising a spring pressed locking pin rotatably and slidably connected to the front side of one of said sections and detachably engaged with the front side of the other section, said locking pin terminating at the upper end thereof in a retroverted branch pin, the top of said one section having therein a well for receiving therein the end of said branch pin when said other section is engaged by the locking pin, a flat surface at the upper end of said one section for receiving thereon the end of said branch pin when the said locking pin is disengaged from the other of said sections, and an upwardly extending parapet on the flat top of said one section adjacent to said well for limiting the motion of the end of said branch pin, whereby the said branch pin may be retained on said flat surface and be dropped into the said well by a slight motion of one of the fingers of the operator's hand which holds the impact mass in position.

2,462,269
CONVERTIBLE CUSHION
Alvin W. Krempel, Milwaukee, Wis.
Application November 29, 1947, Serial No. 788,831
4 Claims. (Cl. 2—88)

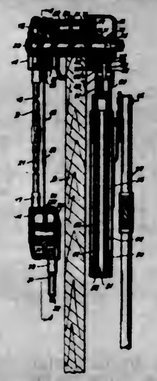
3. A garment convertible into a cushion comprising a hood made up of a pair of substantially rectangular panels each having a pair of long sides and a pair of shorter sides, said panels being closed along one long side, along an adjacent short side, and along a portion of the second short side, and having a continuous opening along the second long side and the unclosed portion of the second short side, the edges of said panels adjacent the opening being provided with a multiple slide operated fastener, and a coat having a neck opening, said coat being connected to the interior of said hood in such a manner that the margin of the neck opening registers with the panel edges extending along the unclosed portion of the second short side of the hood, said coat being selectively foldable into said hood through said hood opening to form a cushion.

2,462,270
METHOD AND APPARATUS FOR PHYSICO-CHEMICAL ANALYSIS
Leonard B. Lipson, Arlington County, Va.
Application September 7, 1943, Serial No. 501,499
7 Claims. (Cl. 250—83.6)



1. The method of determining the amount of hydrogenous material in a selected sample which comprises completely drying the sample, interposing the dried sample in a path of fast neutrons, and measuring the reaction between fast neutrons and the hydrogenous material in the sample by imposing the slow neutrons resulting from such reaction upon a Geiger-Müller counter.

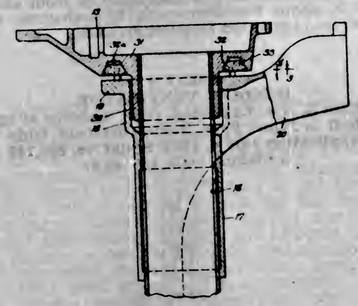
2,462,271
DRAFTING MACHINE
Charles Henry Little, Cleveland Heights, and Charles Hubbard Little, Cleveland, Ohio
Application September 22, 1944, Serial No. 555,269
19 Claims. (Cl. 33—79)



19. In a drafting machine or like device adapted to be used on an inclined drawing board or the like, an anchor member adapted to be connected to a drawing board or the like, a wheel fixed with respect to said anchor member and adapted to be located at one side of the drawing board to which the anchor member is attached, a spindle rotatably supported in said anchor member concentric with said wheel and adapted to extend to opposite sides of the drawing board, a strut fixed with respect to said spindle, a second wheel spaced from said first wheel, means for pivotally connecting said second wheel to said strut, a flexible band encircling said wheels, a cam operatively connected to said spindle and adapted to be located at the side of the drawing

board opposite said wheels, a compression spring adapted to be located at the side of said drawing board opposite said wheels, means for operatively connecting said spring to said cam comprising a lever pivotally supported at one side of said cam and operatively connected thereto, a third wheel concentric with said second wheel and fixed with respect thereto, a second strut, means for pivotally connecting said second strut to said third wheel for rotation about an axis concentric therewith, a fourth wheel spaced from said third wheel, means for pivotally connecting said fourth wheel to said second strut, a flexible band encircling said third and fourth wheels, an instrument operatively connected to said fourth wheel, a fifth wheel located adjacent to said first wheel, means for supporting said fifth wheel for rotation about an axis concentric with the axis of said spindle, a sixth wheel concentric with said second and third wheels and fixed to said second strut, a flexible band encircling said fifth and sixth wheels, means for adjusting said wheels angularly with respect to each other, a second cam located adjacent to said first cam, means for supporting said second cam for rotation about an axis concentric with the axis of said spindle, an internal gear fixed to said fifth wheel, a second internal gear fixed to said second cam, a second spindle rotatably supported in said anchor member and provided with pinion gears in mesh with said internal gears, a second compression spring located adjacent to said first spring, means for operatively connecting said second spring to said second cam comprising a lever pivotally supported at one side of said second cam and operatively connected thereto, means for pivotally supporting said springs for rotation about an axis generally parallel with the axis of said spindle whereby the point of application of the force thereof to their respective levers may be varied, and means adapted to be operatively connected to the drawing board for automatically rotating said springs about said axis upon variation of the board angle for increasing the counterpoising effect of said springs at an accelerated rate as the board angle increases.

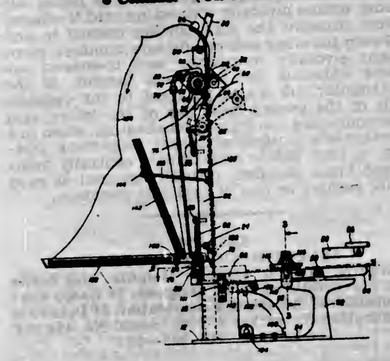
2,462,272
STEERING STABILIZER
George W. Martin, Eau Claire, Wis.
Application August 27, 1945, Serial No. 612,939
14 Claims. (Cl. 248—4)



1. In a steering stabilizer for outboard motor units, a non-rotatable tubular housing having a circumferential flange at its upper end, a motor support tube turnable in said housing having a motor mounting member overlying said flange, a friction member contacting the under face of said mounting member and spaced above said flange, and resilient members confined under compression between and having positive connection to said flange and said friction member, said resilient members presenting yielding resistance to rotation of said tube supplementary to the resistance presented by the frictional contact between said friction member and said mounting member.

13. In a steering stabilizer for outboard motor units, a non-rotatable member, a motor support tube turnable in said member, and means mounting said tube on said member comprising resilient means and friction means attached thereto whereby said tube has relative turning movement in either direction by motor torque vibration limited in extent by said resilient means and is frictionally held against turning movement in either direction beyond such limited extent while being turnable to any desired extent in either direction by turning force applied thereto materially greater than that of motor torque vibration, said resilient means supporting said tube providing a cushion mounting therefor.

2,462,273
COPYHOLDER
Earl H. Metcalf, Ridgefield Park, N. J.
Application July 6, 1945, Serial No. 603,419
6 Claims. (Cl. 129—32)



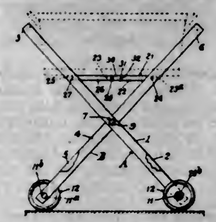
1. A copy holder comprising a main base portion; a stationary backing plate having an opening therein supported by said base portion; an auxiliary base portion pivotably attached on a transverse horizontal axis to said main base portion; means for locking said auxiliary base portion either projecting forwardly in alignment with said main base portion or projecting upwardly at substantially a right angle thereto; a line indicator pivotally supported with reference to said backing plate adjacent the opening therein; means for effecting step-by-step upward feeding of a paper between said backing plate and said line indicator including a manually operable lever pivotally mounted on said auxiliary base portion; manually adjustable means carried by said auxiliary base portion and cooperating with said lever for limiting the actuating movement thereof; and collapsible means attached to and extending rearwardly from the back of said backing plate for supplying to and receiving from said paper-feeding means a folded-paper-ribbon.

2,462,274
second of said units for adding pulses applied to

rectangular cross-section, sheet metal thimbles

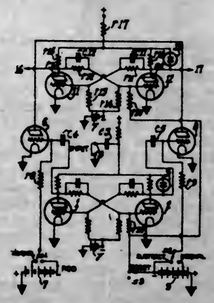
2,462,281
SKI BINDING

2,462,274
FOLDING CLOTHESBASKET CARRIER
William F. Meyer, Chicago, Ill., assignor to Frieda H. Meyer, Chicago, Ill.
Application May 3, 1944, Serial No. 534,007
2 Claims. (Cl. 248—129)



1. In a carrier for laundry baskets and the like, a pair of main frames each including a top cross member and a pair of side members, said side members being pivoted to each other intermediate their ends, and a combined basket support and reinforcement including a closed rigid four-sided rectangular strap metal sub frame comprising side bars and cross bars, means pivotally connecting the side bars of said sub frame adjacent to opposite ends of one cross bar thereof to and between one pair of said side members, and a rigid substantially U-shaped strap metal sub frame, means pivotally connecting said U-shaped frame adjacent the yoke portion thereof to and between the other pair of said side members, pivot means pivotally connecting said U-shaped sub frame adjacent the free ends thereof, to the rectangular sub frame adjacent to the opposite ends of the second cross bar of the latter, said interconnected sub frames constituting, when in a substantially horizontal basket supporting position, a four sided, rectangular, centrally reinforced brace member, pivotally secured at each of its corners to one of said side members.

2,462,275
ELECTRONIC COMPUTER
George A. Morton, Haddon Heights, and Leslie E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 2, 1942, Serial No. 464,293
6 Claims. (Cl. 235—92)



6. The combination of a pair of units operable either to a binary one or a binary zero condition in response to an input pulse, a pair of pulse transfer means connected between said units, means for controlling the first of said transfer means to pass input pulses from the first to the second of said units for adding pulses applied to the input of said first unit, and means for controlling the second of said transfer means to pass input pulses from the first to the second of said units for subtracting from said added pulses further pulses applied to the input of said first unit.

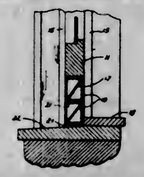
2,462,276
SEEDER CONVEYER
John A. Mueller, Milwaukee, Wis.
Application December 6, 1946, Serial No. 714,624
2 Claims. (Cl. 198—30)

1. A seeder comprising a frame, a hopper mounted thereon, pulleys mounted at the ends of the frame, an endless apertured belt mounted upon the pulleys, an endless apron mounted upon one of said belt pulleys and a second idle pulley, the apron engaging the under surface of the belt to form seed pockets, and a seeder ejector sprocket wheel eccentrically mounted with reference to one of the belt pulleys for engaging the belt apertures.

2,462,277
METHOD OF PREPARING AN ACTIVATED MAGNESIUM OXIDE
John J. Naugle, New York, N. Y.
No Drawing. Application November 27, 1946, Serial No. 712,725
1 Claim. (Cl. 252—413)

The method which comprises; suspending magnesium hydrate, which is impregnated with organic matter adsorbed from sugar liquids, in water; bubbling gaseous carbon dioxide through said suspension until the pH thereof is adjusted to about 6.5 and the magnesium compound initially present is in solution in the form of magnesium bicarbonate; boiling said solution until the soluble magnesium bicarbonate is transformed into the insoluble magnesium carbonate; removing said magnesium carbonate from said solution; and thereafter calcining said magnesium carbonate at a temperature of from about 500 to about 950 degrees C. to transform the same into activated magnesium oxide.

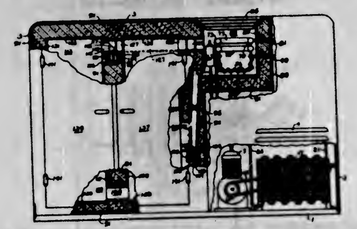
2,462,278
WINDOW VENTILATOR
William B. Nye, Lakewood, Ohio, assignor of one-half to James Faus, North Olmstead, Ohio
Application July 4, 1945, Serial No. 603,143
5 Claims. (Cl. 98—99.3)



1. As an article of manufacture, a window ventilator of the type adapted to be inserted below a window sash comprising a wire mesh tube of

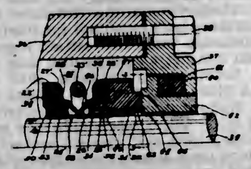
rectangular cross-section, sheet metal thimbles secured thereto, sheet metal sleeves telescopically engaged with said thimbles, and a baffle in said tube for the deflection of the air passing therethrough.

2,462,279
MULTIPLE COMPARTMENT REFRIGERATOR, INCLUDING CONTROLS FOR THE REFRIGERATING SYSTEM THEREOF
Charles Passman, New York, N. Y., assignor to S. F. Bowser & Company, Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application September 27, 1945, Serial No. 618,899
8 Claims. (Cl. 62—2)



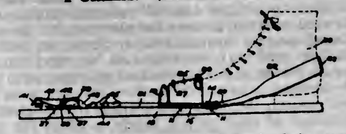
1. In a mechanical refrigerator, a refrigerating unit having an evaporator, a refrigerated compartment for said evaporator, a second refrigerated compartment, ducts connecting said compartments for circulating air, a shutter movable between open and closed position and thermostatically responsive to the temperature in said second compartment for regulating said circulation, and a blower in one of said ducts operating simultaneously with the opening of said shutter to force circulation of said air.

2,462,280
SEAL ADAPTER
Frank E. Payne, Glencoe, Ill.
Application August 9, 1945, Serial No. 609,845
5 Claims. (Cl. 286—11)



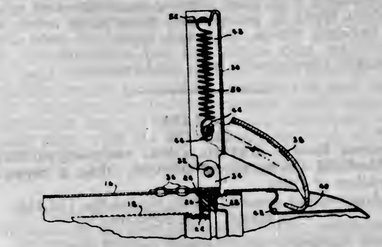
1. A sealing device for relatively rotatable elements comprising a sleeve surrounding one of the elements, an enlarged part at one end of the sleeve, a resilient band compressed between the enlarged part and the element surrounded by the sleeve to form a fluid-tight seal therebetween and to provide a drive for the sleeve, a sealing surface on the other element, a sealing washer surrounding the sleeve and having a sealing surface in contact with the first-mentioned sealing surface, flexible tubular means having a cylindrical part at one end in engagement with the exterior surface of the enlarged part and a flange at the other end in fluid-tight engagement with the washer, a ferrule clamping the cylindrical part upon the said enlarged part, and a slidable driving connection between the washer and sleeve.

2,462,281
SKI BINDING
John M. Plane, Hanover, N. H.
Application May 13, 1947, Serial No. 747,621
4 Claims. (Cl. 280—11.35)



1. In a ski binding, a metal foot plate secured to the ski and having a pointed toe plate formed at the front thereof and cable guides at the rear sides thereof, a toe strap of flexible material secured to the ski by said toe plate, a relatively non-resilient cable of flexible material having a resilient flat section extending around the rear of the wearer's foot, and a releaseable clamp secured to said ski for pulling said cable tight around the wearer's foot.

2,462,282
LATCHING MECHANISM
Jack Pickford, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1945, Serial No. 605,891
1 Claim. (Cl. 292—113)



Latching means including a fixed support and a hollow lever of U-shaped cross section comprising a top wall and side walls, said lever having one end thereof pivoted to said support, there being two longitudinally-extending slots formed in the side walls of said lever near the pivoted end thereof, a pin movable in said slots, a latch member of U-shaped cross section comprising a top wall and side walls, said latch having the end portions of its side walls attached to said pin, and a helical spring connected at one end to said pin and at the other end to said lever at a point remote from said pivot, said spring being disposed in the hollow portion of said lever and being substantially enclosed thereby and biasing said pin in a direction away from the pivoted end of said lever, and said walls of said latch overlying and concealing said support.

2,462,283
ELECTRICAL SWITCH
Gustav W. Rathert, Webster Groves, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application July 20, 1945, Serial No. 606,086
4 Claims. (Cl. 200—146)

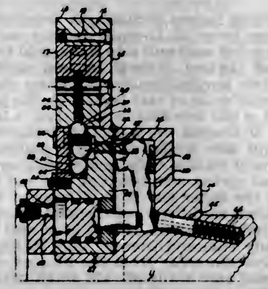
1. An electrical switch assembly comprising an upper structure, a switch blade supported for movement into and out of contact engagement

with respect to said contact structure, a quick-

base; a spring on the valve urging the valve against the seat; means to adjust the valve spring

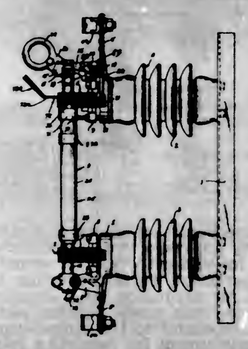
with respect to said contact structure, a quick-break mechanism comprising a tubular structure supported by and movable with said switch blade, a contact arranged within said tubular structure, a rod structure movable within said tubular structure into and out of contact engagement with said contact, means for electrically connecting said contact to said switch blade, an element engaging said rod structure at an end thereof so as to retain same in contact engagement with said contact when said switch blade is in the closed-switch position and during initial opening movement of said switch blade, a pivot for supporting said movable element for pivotal movement, a spring for subjecting said element to pivotal movement, a coil spring associated with said rod structure for moving said rod structure out of contact engagement with said contact, and means carried by said tubular structure which engages and retains said element in a position where said rod structure is maintained in contact engagement with said contact and which is movable with said tubular structure and said switch blade to permit said element to move to a position where said coil spring of said rod structure may move said rod structure out of contact engagement with said contact.

2,462,284
CHUCK
Konrad Rauch, Dayton, Ohio, assignor to The Sheffield Corporation, Dayton, Ohio, a corporation of Ohio
Application June 13, 1947, Serial No. 754,432
6 Claims. (Cl. 279—44)



6. A chuck comprising a segmental body member having a substantially V-shaped notch, a substantially V-shaped clamping member operably mounted in said notch, said members each having a pair of angularly related flat cooperating holding surfaces for gripping a circular part to be held, a roller receiving socket in said clamping member, a roller partially received in said socket, a second roller parallel to and spaced from said first roller, a removable spacing strip interposed between said second roller and said body member, said rollers constituting a pair, a spreading roller of larger diameter than the rollers of said pair and arranged between said pair, means for operating the spreading roller transversely of its axis to spread the said pair and thus move the clamping member against the part, and yielding means for urging the clamping member to release position.

2,462,285
ELECTRICAL SWITCH
Ned J. Rees, St. Louis, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application July 20, 1945, Serial No. 606,144
5 Claims. (Cl. 200—146)

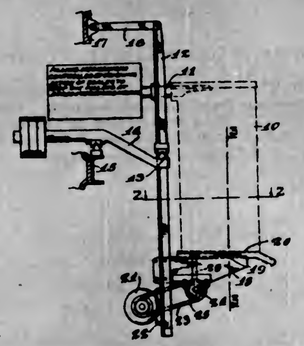


1. An electrical switch assembly comprising a contact structure, a switch blade supported for movement into and out of contact engagement with respect to said contact structure, a quick-break mechanism comprising a hollow structure supported by and movable with said switch blade, an elongated member arranged for movement within said hollow structure, said elongated member including a plurality of annular contact elements spaced longitudinally of said elongated member, tubular insulating members interposed between said contact elements for insulating said contact elements from each other, means for securing said contact elements and said insulating members together to produce said elongated member, a plurality of contact means associated with said hollow structure and electrically connected to said switch blade and into and out of contact with which said spaced contact elements of said elongated member are movable, each of said contact means comprising a plate having a contact extending therefrom laterally of said hollow structure, and resilient means for urging said plate inwardly toward said elongated member, and a member engaging said elongated member so as to retain said spaced contact elements thereof in contact engagement with the contacts of said plurality of contact means associated with said hollow structure when said switch blade is in the closed-switch position and during initial opening movement of said switch blade, said elongated member being adapted to become disengaged from said member when a predetermined portion of the opening movement of said switch blade has been completed to permit said elongated member to move so as to disengage said spaced contact elements of said elongated member from the contacts of said plurality of contact means associated with said hollow structure.

ends in planes at right angles to the ends of the wires; a plurality of fish hooks; a plurality of looped leaders connected to the fish hooks; and

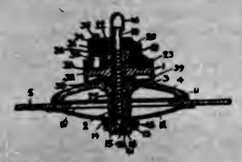
different directions, means for producing electrical pulses in response to movement of said

2,462,286
BAG PACKER AND WEIGHER WITH JIGGING DEVICE
Herman S. Rhodes, Birmingham, Ala., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York
Application August 19, 1944, Serial No. 550,128
5 Claims. (Cl. 249—60)



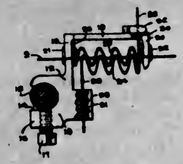
3. In apparatus for filling and weighing valve bags the combination comprising, weighing scale means, bag support means pivotally mounted upon said scale means for weighing thereby, a filling spout mounted upon said bag support means, means for stopping the flow of material through said spout in response to weighing action of said scale means, a bag bottom support for supporting the bag in position on said spout during filling, means pivotally mounting said bottom support on said bag supporting means along a generally horizontal axis which passes adjacent the center of the bag bottom, the pivot axes of said bag support means and of said bottom support pivotal mounting means being substantial parallel, and means for rapidly oscillating said bottom support about its pivotal mount during filling and weighing of the bag with oscillations insufficient materially to alter the position of the center of gravity of the bag relative to the scale means and at a frequency too high for the scale means to respond thereto to actuate said means for stopping the material flow.

2,462,287
SAFETY VALVE
Sanford E. Richesen, Brooklyn, and Joseph A. Allegro, Maspeth, N. Y., assignors of one-third to Louis C. Huger, Ridgewood, N. J.
Application August 22, 1946, Serial No. 692,233
4 Claims. (Cl. 137—53)



4. A valve for a pressure cooker having a vessel and a lid adapted to be tightly locked in an operative position on the vessel, the lid having an opening; a convex plate placed over the opening; a valve base secured to the convex plate; a valve in the base; a seat for the valve in the base; a spring on the valve urging the valve against the seat; means to adjust the valve spring pressure for adjusting the pressure of the vapors in the vessel at which the valve is opened; an extension on the base passing through the opening; a spring plate engaged by the extension, the ends of the spring plate engaging the under side of the lid over the opening; and means to adjust the pressure of the spring plate for regulating the pressure at which the spring plate yields and releases the convex plate to be raised thereby allowing the vapors to escape.

2,462,288
YARN TENSIONING DEVICE
Emil Richter, Philadelphia, Pa.
Application December 29, 1945, Serial No. 638,175
8 Claims. (Cl. 242—154)



1. A yarn tensioning device of the character described comprising, in combination, a pair of open-coiled members adapted to be relatively shifted to present the convolutions of said members in interjacent relation to thereby provide a common passage therethrough for a length of yarn, and a mounting bracket for supporting one of said coils in fixed position, said bracket including means for guiding the other of said coils for movement in a plane common to the axes of both coils, said movable coil being suspended from said yarn with its axis paralleling that of the fixed coil.

2,462,289
FURNACE REFRACTORY CONSTRUCTION
William F. Rochow, Pittsburgh, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 11, 1945, Serial No. 598,774
11 Claims. (Cl. 72—37)

1. A furnace structure including a section comprising preformed shapes of non-acidic refractory material and flat surfaced oxidizable metal plates disposed between adjacent pairs of faces of said shapes, and at least one of said faces of said pairs being provided with recessed portions providing spaces into which oxide of said metal may grow as the metal oxidizes in use of the furnace.

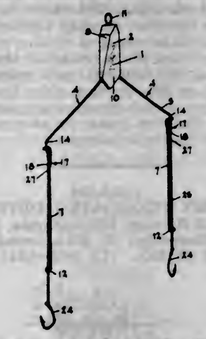
2,462,290
FISHHOOK SUPPORTING FRAME
Lawrence E. Sauvey, Lakeside, Ohio
Application March 31, 1945, Serial No. 585,955
3 Claims. (Cl. 43—28)

1. In a fish lure; a light reflecting head part; a plurality of resilient wires protruding from the head part and distributed in spaced relation below and rigidly secured to the head part; each of the wires having closed loops at their free

2,462,294
AUTOMATIC FREQUENCY CONTROL
Leland E. Thompson, Merchantville, N. J., as-

cally extending portions spaced laterally from said central laminated portion and positioned at the opposite lateral portions of the pocket, said last mentioned vertically extending portions in-

ends in planes at right angles to the ends of the wires; a plurality of fish hooks; a plurality of looped leaders connected to the fish hooks; and

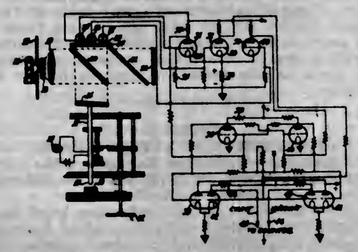


the central parts of the wires having double reversed bends which resiliently press against each other to engage and confine the loops of the leaders and locate the hooks below and proximate the free ends of the wires.

2,462,291
VALVE
Frederick E. Sette, Alameda, Calif.
Application May 3, 1944, Serial No. 533,850
1 Claim. (Cl. 251—25)

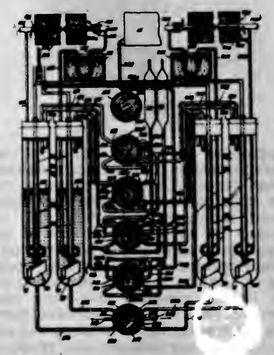
In a valve mechanism, a valve stem having an arcuately cross-channeled head, a relatively soft valve plug embracing the head of the stem, and a valve actuating spring having an arcuate end portion socketed in the cross channel of the head, said plug having a registering cross channel in which said arcuate end portion of the spring is also engaged, whereby relative rotation and shifting movements of the plug and stem head are prevented.

2,462,292
LIGHT INTERFERENCE DISTANCE MEASURING DEVICE HAVING PHOTOELECTRIC MEANS
Richard L. Snyder, Jr., Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 13, 1943, Serial No. 498,512
3 Claims. (Cl. 88—14)



1. The combination of means for producing bands of light, means for moving said bands in different directions, means for producing electrical pulses in response to movement of said bands, and means including a plurality of amplifiers controlled by said pulses and provided with a common cathode resistor for producing pulses of one polarity when said bands are moved in one direction and for producing pulses of a different polarity when said bands are moved in another direction.

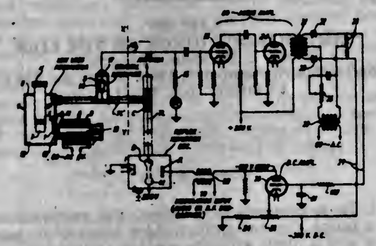
2,462,293
AUTOMATICALLY MEASURING CONCENTRATIONS OF GASES
Moyer D. Thomas, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application April 8, 1943, Serial No. 482,355
9 Claims. (Cl. 23—232)



1. In apparatus for automatically measuring concentrations of volatile compounds in gases, a pair of absorbers, a first conduit connected to a first of said pair of absorbers to pass a stream of raw gas to be tested directly into said first of said absorbers, a combustion chamber, a second conduit connected to said combustion chamber through which to pass another stream of said raw gas to oxidize volatile compounds contained therein, a third conduit connected to said combustion chamber and the second of said pair of absorbers to pass said oxidized stream into the second of said absorbers, a container for a source of absorbent solution, means including a valve connecting said container and absorbers to pass measured quantities of said solution into said absorbers, means associated with said apparatus to cause said streams to pass through the solutions in said absorbers, and means to determine the conductivity of the solutions in said absorbers.

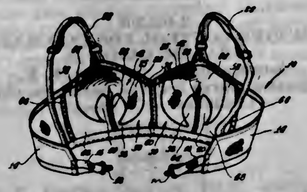
8. A method for measuring the concentrations of volatile compounds in gaseous mixtures of the character described which includes passing a stream of raw gas through a body of absorbent reagent while measuring the conductivity of the reagent and passing another stream of raw gas from the same source over a glowing electrical heat resistant element in a confined space whereby to oxidize oxidizable volatile compounds, cooling the oxidized stream and then passing the oxidized stream through a second body of absorbent reagent while measuring the conductivity of the second body of reagent.

2,462,294
AUTOMATIC FREQUENCY CONTROL
Leland E. Thompson, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 22, 1946, Serial No. 671,454
9 Claims. (Cl. 250—36)



1. In combination, a generator of high frequency waves, a stable low loss tuned resonator circuit tuned to a desired frequency of operation, a vibrator circuit coupled to said resonator circuit for changing the frequency of operation of said resonator circuit, a source of low audio frequency current coupled to said vibrator circuit and energizing the same to operate at the frequency of said source, a circuit coupling said generator to said resonator circuit for exciting said resonator circuit with waves derived from said generator, a rectifier within a metallic shell coupled to said last coupling circuit and located between said resonator circuit and said generator, a balanced phase detecting system coupled to said rectifier and to said source of low audio frequency current, said balanced detecting system producing a variable voltage as the frequency of said generator varies with respect to the mean frequency of operation of said variably tuned resonator circuit, and means utilizing the variable voltage so produced for controlling the frequency of operation of said generator.

2,462,295
BRASSIERE
Margaret H. Wittenberg, Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y., a corporation
Application October 26, 1945, Serial No. 624,659
4 Claims. (Cl. 2—42)

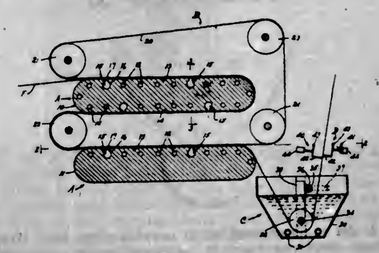


1. In a brassière, a pair of breast pockets of fashioned cup form, each having a fashioning seam in the central lower part thereof and provided with a central laminated stiffening portion extending vertically of the pocket along said seam and disposed substantially entirely below the apex of the cup form, said laminated stiffening portion comprising separate pieces of thermoplastic woven fabric disposed adjacent to each other at opposite sides, respectively, of said seam, each of said pockets also having laminated vertically extending portions spaced laterally from said central laminated portion and positioned at the opposite lateral portions of the pocket, said last mentioned vertically extending portions including pieces of thermo-plastic material integral with said first mentioned pieces, respectively at the lower edge portion of the cup, each portion of the cup form above the apex thereof and between said upwardly extending stiffened portions being more yieldable than said stiffened portions.

2,462,296
SPRING REEL
Charles R. Yirava, Cleveland, Ohio, assignor to Benjamin Reel Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 6, 1947, Serial No. 732,703
10 Claims. (Cl. 242—107)

9. A level winding device comprising a drum, a frame, means journalling said drum in said frame for rotation in a fixed plane, a gear movable with said drum, a disk journalled in said frame substantially normal to the medial plane of said drum, and a gear movable with said disk and coupled to said first gear for rotation therewith for driving said disk, said disk having a hole formed therein adjacent its periphery for receipt of a flexible conductor member which is to be wound onto said drum for storage thereon.

2,462,297
APPARATUS FOR SATURATING FABRICS
Floyd W. Adams, Los Angeles, Calif., assignor to Los Angeles Paper Box Factory, Los Angeles, Calif., a corporation of California
Application April 9, 1945, Serial No. 587,253
5 Claims. (Cl. 91—18)



4. Apparatus for impregnating absorbent sheets, comprising ironing platen means having a plurality of saturant circulating channels opening at the surface thereof, and means for moving an absorbent sheet in surface engagement with the platen means to alternately pick up saturant from openings in the channels and iron said saturant into the interstices of the sheet, said platen means including a plurality of the transverse passageways connected to a source to heat at least

one surface of said platen means between and in spaced relation to said channel openings, said latter means comprising an endless perforated conveyor belt,

of said soap carrier, and a conically-shaped cover connected to said drippings receiver of a smaller diameter than said receiver and providing an annular space through which drip-

a front wall; an exposure aperture in said front wall; a rotatable shutter arranged within said camera body behind said exposure aperture; two

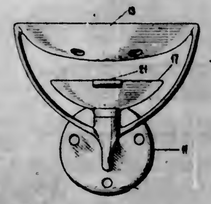
rod and within said tube, inwardly bent edges forming the wall separation of said clip adapted to ride in the groove of said rod for preventing

one surface of said platen means between and in spaced relation to said channel openings, said latter means comprising an endless perforated conveyor belt.

2,462,296
PENCIL VENDING MACHINE
Cletus B. Alexander, Newcastle, Ind.
Application May 23, 1946, Serial No. 671,758
10 Claims. (Cl. 312—64)

1. In a pencil vending machine, a shiftably mounted member transversely grooved in respect to its travel; a pair of hoppers above the member, each hopper opening from its under side directly over the member to permit the member to be shifted across the openings; a roller mounted over said member at the end of each of said openings toward which the member is shifted the maximum spacing of the rollers from the member being approximately less than the radius of the pencils to be vended, and the rollers further being biased toward that spacing; and means for shifting said member groove by groove.

2,462,299
COMBINED SOAP DISH
Milton Applebaum, New York, N. Y.
Application June 25, 1945, Serial No. 601,396
2 Claims. (Cl. 45—28)



1. In a combined soap carrier and soap drippings receiver having independently supported upper and lower members, comprising a bracket-supported and fixed upper soap carrier, a bracket-supported lower drippings receiver, a plurality of arms integral with said bracket and with said carrier, said drippings receiver being removably mounted below said carrier, said arms serving to support said carrier in considerably spaced-apart relation above said receiver and providing air circulation between said members, said carrier having perforations in its bottom in registry with said receiver to permit drainage of said soap carrier, and a conically-shaped cover connected to said drippings receiver of a smaller diameter than said receiver and providing an annular space through which drippings may enter said receiver while being substantially covered.

2,462,300
TAMPERPROOF HINGE OR THE LIKE
Erwin L. Berkson, Chicago, Ill.
Application September 6, 1945, Serial No. 614,684
3 Claims. (Cl. 16—148)

1. In a tamper-proof hinge, the combination of a hinge element embodying a hinge plate portion and a hinge knuckle portion angular to said hinge plate portion, a fastener aperture in said hinge plate portion, a guard portion on said plate portion spaced from said knuckle portion, said guard portion being offset outwardly of the plate in the same direction as said knuckle portion is angled, a slot in said knuckle portion adjacent said plate portion, a cover plate slidable in said slot and under said guard portion, whereby to cover said aperature.

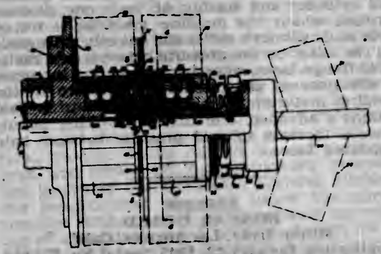
2,462,301
ELECTROLYTIC PRODUCTION OF ALLYL ALCOHOL
Joseph E. Bludworth, Max O. Robeson, and Harry A. Truby, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 12, 1945, Serial No. 588,076
4 Claims. (Cl. 204—77)

1. Process for the production of allyl alcohol, which comprises subjecting acrolein to the cathodic reducing action of a direct electric current in a medium comprising a 1 to 40% by weight aqueous solution of sulfuric acid containing 0.1 to 1% by weight of ferrous sulfate and 0.1 to 1% by weight of zinc acetate while maintaining a cathodic current density of 0.5 to 5.0 amperes per square decimeter and an electrolyte temperature of 60 to 100° F.

2,462,302
SHUTTER CONTROL FOR CINEMATOGRAPHIC CAMERAS
Jacques Bolsey, New York, N. Y.
Application March 26, 1946, Serial No. 657,282
15 Claims. (Cl. 88—17)

1. In a cinematographic camera of the type described, in combination, a camera body having a front wall; an exposure aperture in said front wall; a rotatable shutter arranged within said camera body behind said exposure aperture; two stop means arranged on said rotatable shutter at different distances from the axis of rotation of said shutter; a shutter operating member; and combined mounting means securing said shutter operating member to said camera body so as to be movable not only in the plane of rotation of said two stop means from a position located in the path of rotation of one of said stop means into a position located in the path of rotation of the other of said stop means and back, but to be also movable out of said plane of rotation of said two stop means so as not to block free rotation of either of the same.

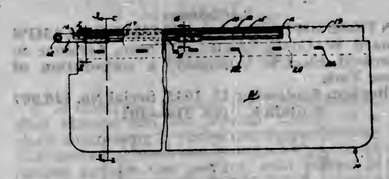
2,462,303
MATERIAL SERVING APPARATUS
Yves A. Bouget, West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 23, 1946, Serial No. 711,975
8 Claims. (Cl. 57—16)



1. A material serving apparatus comprising a flyer rotatable about an advancing core, supports for supplies of materials rotatably supported by the flyer concentric with the core, brake units for the supports, guide pins disposed adjacent the core to guide the materials from their supplies to the core, means to cause the brake units to apply equal braking forces on the supplies to create equal known tensions in the materials, an element to support the guide pins, means normally holding the element with the guide pins against movement longitudinally of the core relative to the flyer except during the presence of excess tension in the materials, and means responsive to the longitudinal movement of the pins and element to operate the braking units to reduce the tensions in the materials to their known tensions.

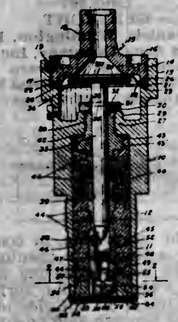
2,462,304
SUN VISOR
Emery F. Burdick, Detroit, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application July 18, 1946, Serial No. 684,513
4 Claims. (Cl. 296—97)

2. In combination, a support rod having a longitudinally disposed groove along a peripheral side thereof, stops on said rod disposed in the groove in said rod formed by portions of said rod projecting into the groove, a tubular member sleeve fitted over and supported by said rod, a cylindrically shaped friction clip having a longitudinal separation in the wall thereof positioned on said rod and within said tube, inwardly bent edges forming the wall separation of said clip adapted to ride in the groove of said rod for preventing relative rotation between said support rod and said clip, said inwardly bent edges being capable of engaging said stops for laterally positioning said clip relative to said support rod, an elevated portion on said clip opposite the separation in



the wall thereof for frictionally engaging said tubular member and preventing relative rotation between said clip and said tubular member bounded by semi-circular, radially disposed slots spaced inwardly from the ends of said clip and prongs on said clip, adaptable for gripping said rod, formed by longitudinally disposed slots connecting with the radially disposed slots.

2,462,305
EXPLOSIVE DEVICE
John P. Catlin, Fairfield, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 23, 1944, Serial No. 564,748
2 Claims. (Cl. 102—70)



2. An igniter comprising an elongated tubular casing separated between its ends by a partition to define a first chamber and a second chamber; an ignition tube secured to said partition and extending axially substantially through the second one of said chambers; a percussion primer seated in said ignition tube at a point remote from said partition; flash passages communicating between said primer and the exterior of said ignition tube; seal means removable by the primer explosion closing said flash passages; an igniter charge in said second chamber in surrounding relation to the igniter tube; an ignition mixture in contact with said igniter charge surrounding the seal means over said flash passages; an end seal releasably closing the end of the second chamber of said casing over said ignition mixture; a firing pin slidably mounted in said ignition tube in alignment with said primer; shearable means restrain-

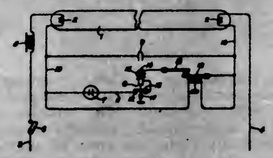
ing said firing pin against movement toward said

cylinder's outlet end when said plunger is ad-

2,462,310
WINDING DEVICE

2,462,312
SHOT SHELL
Walter L. Finlay, Fairfield, and Gilbert E. Hutch-

ing said firing pin against movement toward said primer; and pressure responsive means in operative engagement with the end of said firing pin, said pressure responsive means being mounted in the first chamber of said casing and isolated by said seal means from direct communication with said second chamber.

2,462,206
CONTROL SWITCH FOR DISCHARGE LAMPS
Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application September 17, 1945, Serial No. 616,907
6 Claims. (Cl. 315—101)

1. A starter for discharge lamps comprising, in combination, a glow discharge device adapted to pass current when subjected to a predetermined voltage and a magnetic switch having a series connected coil and normally closed contacts, said switch being electrically connected in series with said glow discharge device and being operable upon passage of a single impulse or repeated impulses of current through the device to interrupt the circuit through the starter.

2,462,207
GUN SIGHT
Frederick A. Daniels, Wilmington, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 27, 1945, Serial No. 590,611
6 Claims. (Cl. 33—58)

1. A gun sight comprising, in combination, a receiver having a transverse opening in its upper side, a sight member having a base, partially engaged with the outer surface of said receiver longitudinally at one side of said opening, and engaged through said opening and partially engaged with the inner surface of said receiver longitudinally at the other side of said opening, and securing means cooperating between said receiver and said base to secure said base to said receiver.

2,462,208
INJECTION MOLDING MACHINE
Richard W. Dinzl, Westfield, N. J., assignor to The Watson-Stillman Co., Roselle, N. J., a corporation of New Jersey
Application October 25, 1945, Serial No. 624,442
4 Claims. (Cl. 18—30)

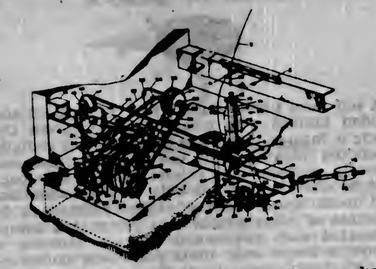
1. An injection molding machine sub-combination comprising an injection cylinder having an open outlet end provided with an inwardly directed flange, an injection plunger in said cylinder for forcing molding material through said cylinder's outlet end when said plunger is advanced thereiowards, and a torpedo pointing toward said plunger inside said cylinder and having a base at said cylinder's outlet end with said base including an outwardly directed flange with the latter's inner face exposed to the inside of said cylinder to receive forwardly directed force from the molding material therein during said plunger's advance and with its outer face registering with the inner face of said cylinder's flange with the latter providing the reaction for said

force, said torpedo being a separate part relative said cylinder and having at least one passage through which the molding material is forced from said cylinder's outlet end but otherwise sealing the latter by the pressure between said registered flange faces, whereby said sealing increases in effectiveness with increasing pressure on the molding material in said cylinder, during said plunger's advance, due to the resulting simultaneous increase in said pressure between said registered faces.

2,462,209
BOXCAR GUARD
Milton Dyke, Los Angeles, Calif.
Application January 22, 1945, Serial No. 573,926
2 Claims. (Cl. 160—368)

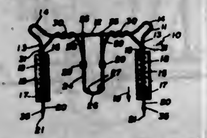
2. A guard for a boxcar doorway comprising a flat pliable guard member of a length sufficient to span across the doorway and to overlap door jambs framing said doorway, tubular means along the upper and lower marginal edges of said guard member, said tubular means each having at least one intermediate opening facing toward the outside of the boxcar, longitudinally spaced tubular means on the outer-facing side of the guard member intermediate the marginal tubular means, and a longitudinal element extending through each tubular means to support the guard member and secured to said door jambs, said longitudinal elements being severable at the mentioned openings in the marginal tubular means and between the spaced tubular means, whereby said guard member is adapted to be bodily removed from the severed portions of the longitudinal elements for subsequent re-use, each longitudinal element comprising a pair of overlapping and connected members, one extending from each door jamb across the door opening.

2,462,210
WINDING DEVICE
William J. Elvin, Frostburg, Md., and Elmer R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America, a corporation of Delaware
Application October 2, 1946, Serial No. 700,638
4 Claims. (Cl. 242—43.5)



1. In a device for producing yarn packages having a transfer tail, the combination with a rotating yarn support and a reciprocating ring rail for winding yarn on to said support, of means for reciprocating the ring rail to produce a chaser motion with a traverse stroke of uniform length, means for superimposing a builder motion on said chaser motion by progressively raising the path of the uniform traverse stroke of said ring rail relative to said yarn support and progressively lowering the path of said uniform traverse stroke relative to said yarn support, and means for instantaneously extending the length of the downward traverse stroke of the reciprocating ring rail below the normal traverse stroke thereof, so as to cause the winding of a relatively small amount of yarn on the yarn support at a point spaced from the main body of yarn, said small amount of yarn being available for use as a transfer tail.

2,462,211
COLLAR AND TIE HOLDER
Richard C. Erdmann, Minneapolis, Minn.
Application March 18, 1947, Serial No. 735,464
3 Claims. (Cl. 2—132)



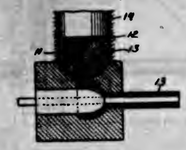
2. A collar and tie holder comprising in combination, an inverted U-shaped member including a mid-portion and a pair of downwardly extending arms, said arms terminating in pointed extremities engageable with collar wings, a downwardly extending and forwardly projectable tongue movably attached at the upper end thereof to the mid-portion of said member, resilient means on said mid-portion for urging said tongue forwardly, and an upwardly and forwardly directed tooth at the lower end of said tongue, said tooth being engageable with a tie knot.

3. The device as defined in claim 2 wherein said means comprises a pair of resilient rod-like extensions on said tongue, said extensions being wound around the mid-portion of said member and anchored to said arms.

2,462,212
SHOT SHELL
Walter L. Finlay, Fairfield, and Gilbert E. Hutchinson, Bridgeport, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 2, 1944, Serial No. 547,696
4 Claims. (Cl. 102—42)

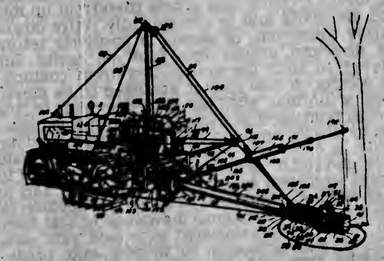
1. A filler wad column positioned between the shot charge and the powder charge of a shot shell comprising a compressible cushioning portion seated against the shot and a piston portion seated against the powder, said piston portion comprising a fibrous felted body substantially completely impregnated with a waxlike lubricating material which will not run at temperatures below 120° F.

2,462,213
LEAD EXTRUSION
Walter K. Freeman, Wakefield, Mass., assignor to Simplex Wire & Cable Co., Cambridge, Mass., a corporation of Massachusetts
Application March 4, 1946, Serial No. 651,729
2 Claims. (Cl. 207—10)



1. The method of charging lead to an extrusion press which comprises cutting and removing substantially the entire upper end surface of the lead remaining from a previous charge to remove dross and oxidized lead therefrom and to provide a clean surface, and introducing into the press in contact with said clean surface a new charge of lead for further extruding operations.

2,462,214
TREE-FELLING CIRCULAR SAW
Clarence V. Fuqua, Vandalia, Ill.
Application September 2, 1944, Serial No. 552,518
7 Claims. (Cl. 142—43)



2. A machine of the character described including a mobile support, a saw unit, a vertical

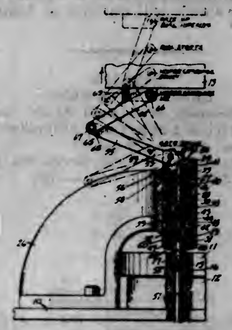
mast having support on the mobile support, a

2,462,215

velope containing spaced electrodes, means con-

mast having support on the mobile support, a boom on the mobile support, a head rotatably mounted on the boom having ways, means slidably mounting the saw unit in said ways in the head, a pulley on the mast, a reel on the mobile support, a cable connected with the boom and operating over the pulley for winding on said reel, means for operating the reel, and hydraulic means supported by the boom and mast adapted to engage objects to be cut by the saw for applying directional force to said objects.

2,462,215
AMMUNITION MAKING MACHINERY
Antoine F. Gagne, Jr., Pompton Lakes, N. J., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 27, 1944, Serial No. 533,088
2 Claims. (Cl. 113—59)

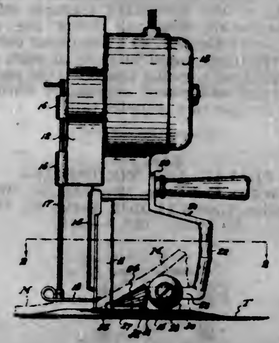


1. In a die press, the combination with a table; article supporting means movably mounted on said table; a gate reciprocably mounted above said supporting means; an under-carriage reciprocably mounted beneath said supporting means; a die having a die cavity fixedly mounted on said table above said supporting means; an article ejector mounted in said die and movable into and out of said die cavity; resilient means arranged normally to project said ejector into said die cavity, said ejector being adapted to be engaged and displaced therefrom by an article thrust into said die cavity from said supporting means; and means carried by said under-carriage constructed and arranged to engage an article in said supporting means to move said article therefrom up into said die cavity and to subsequently retire downwardly therefrom; of means to positively return the displaced ejector into said die cavity and thereby to eject the article therefrom comprising a stem on said ejector arranged to be moved from a normal position corresponding to the normal position of said ejector to a displaced position by displacement of said ejector from said die cavity, a lever arm pivotally supported on said table, one end of said lever arm being arranged to engage said stem in its displaced position and to positively move said stem to its normal position in response to predetermined movement of said lever arm; and means associated with said gate constructed and arranged to impart said predetermined movement to said lever substantially simultaneously with the retirement of said article moving means carried by the under-carriage.

2,462,216
COMPRESSED WIRE MESH UNIT
Alfred M. Goodloe, Montclair, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application December 12, 1944, Serial No. 567,892
1 Claim. (Cl. 267—1)

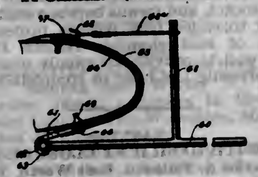
A self form sustaining body of compressed and molded knitted wire mesh fabric, wherein the fabric is formed to provide a plurality of radially extending pleated folds initially upturned and laterally overlapped to extend substantially parallel to the longitudinal axis of the formation, said folds being collapsed upon themselves in direction of their length into compacted interentangled and interlocked relation forming a relatively dense body mass possessing compressible elasticity under loads less than that of the forming pressure or load.

2,462,217
CLOTH LIFTER FOR CLOTH CUTTING MACHINES
Martin Green, Newark, N. J., assignor of one-half to Charles Handler, Newark, N. J.
Application April 12, 1945, Serial No. 587,984
2 Claims. (Cl. 30—275)



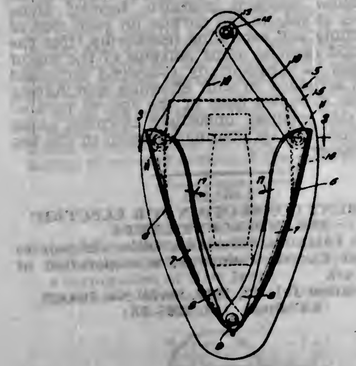
1. In a cloth or like cutting machine having a traction base, a power driven reciprocable cutting knife and a channeled standard rising from said base by which said knife is guided, an upwardly and rearwardly inclined inverted V-shaped plow member mounted with its point overlying said base behind said standard and with its apex aligned in the plane of said knife, whereby to provide downwardly inclined share portions laterally divergent from said apex, and a pair of oppositely and laterally projecting outwardly tapered rotatable rolls mounted behind said plow member with the upper sides of their peripheries somewhat intersecting the planes of the share portions of said plow member, all whereby said plow member lifts and spreads apart the divided marginal portions of knife severed material and leads the same to the support of said rolls.

2,462,218
APPARATUS FOR STRETCHING ELASTIC COVERS
Victor H. Hasselquist, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application January 24, 1944, Serial No. 519,446
14 Claims. (Cl. 254—52)



1. Apparatus for stretching an elastic covering about a curved surface while a margin of the covering is restrained against yielding by securing means engaging said surface, said apparatus comprising means for holding the opposite margin of the covering, and means including a tension element having attachment to said securing means for pushing said holding means in a direction to stretch the covering, said pushing means including said tension element being fulcrumed at said securing means for movement as a unit about said securing means.

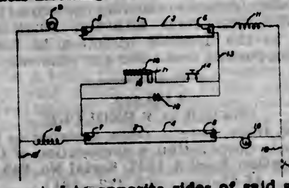
2,462,219
PRESSING IRON RACK
Charles R. Hawkins, Los Angeles, Calif.
Application December 9, 1946, Serial No. 715,095
2 Claims. (Cl. 248—117.1)



1. A pressing iron rack comprising in combination, a pair of shoes pivotally connected together at one end thereof and adapted to removably retain the iron therebetween, a pair of links, and a stationary pivot extending through one end portion of each of said links, the remaining ends of said links being pivoted to said shoes.

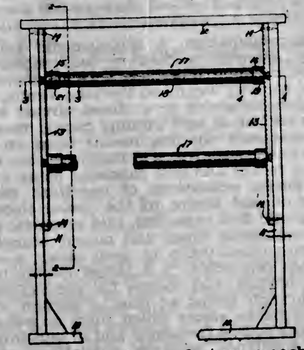
2,462,220
STARTING AND OPERATING CIRCUIT FOR ELECTRIC DISCHARGE DEVICES
William F. Hedge, Lyndhurst, Ohio, assignor to General Electric Company, a corporation of New York
Application December 7, 1945, Serial No. 633,382
5 Claims. (Cl. 315—96)

1. In combination, a pair of gaseous electric discharge devices each comprising a sealed envelope containing spaced electrodes, means connecting said discharge devices in parallel across a source of power with an inductance in series with each discharge device, said inductances be-



ing connected to opposite sides of said source of power, and a starting circuit including switch means connecting said inductances in series across said source of power for starting said devices.

2,462,221
RACK
John E. Holmes, Auburndale, Mass., assignor to Clarence W. Carlson, Atlantic, Mass.
Application December 19, 1945, Serial No. 635,954
1 Claim. (Cl. 211—123)



As a new article of manufacture, a rack of the character described, comprising an upright rectangular frame including a pair of vertical spaced-apart uprights each of which has fixed upon its inner side an elongated vertically disposed metallic channel member whose flanges are seated edgewise against its upright and whose web is formed with a vertical series of spaced-apart stud-receiving key hole slots disposed with their narrower ends lowermost and with each slot horizontally opposite one of the slots of the other channel member; a longitudinally extensible and contractible article-supporting crossbar including a tubular intermediate element having a cap member telescopically and rotatably fitted upon the exterior of one end thereof and a cap member telescopically and fixedly mounted upon the opposite end thereof, one of said cap members being provided upon its outer end with an axial flanged stud adapted to be removably fitted into a slot of one of said channel members and the other cap member being provided upon its outer end with an axial flanged stud adapted to be removably fitted into a slot of the other channel member, and said rotatable cap member being made interiorly with an axial threaded stem projecting into the proximate end of said tubular intermediate element and having threaded engagement therewith so that when ro-

tated relatively thereto in one direction it is ad-

a chamber embracing a portion of said nipple

portion provided with opposed shoulders spaced

engaged by a work-piece entering said passage,

tated relatively thereto in one direction it is adjusted longitudinally thereof in one direction to fixedly clamp the opposite ends of the article-supporting cross-bar to the channel members and so that when rotated relatively thereto in the opposite direction it is adjusted longitudinally thereof in the opposite direction to free said article-supporting cross-bar for removal.

2,462,220
FREQUENCY REDUCER
Henry M. Hugo, Lorain, Ohio, assignor to Lorain Products Corporation, a corporation of Ohio
Application April 8, 1947, Serial No. 740,149
15 Claims. (Cl. 172—281)

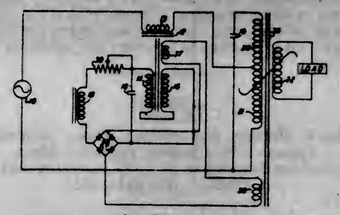


FIG 2

1. In combination, a subharmonic generator and a magnetic modulator, said subharmonic generator comprising saturable magnetic core means, winding means on the core means, a first capacitor connected in a closed circuit with at least a portion of said winding means, means for energizing said winding means from an alternating current source, said magnetic core means, winding means and first capacitor being adapted to maintain oscillations of one-third the frequency of said source in the closed circuit including said first capacitor, said magnetic modulator comprising input and output branches in conjugate relationship to each other, a second capacitor connected in a closed circuit in said output branch, and means for connecting said input branch across at least a portion of said winding means across which there appears voltage of the source frequency and of one-third the source frequency, whereby oscillations of two-thirds the source frequency are produced in said output branch, said magnetic modulator cooperating with said subharmonic generator to start the said oscillations of one-third the source frequency.

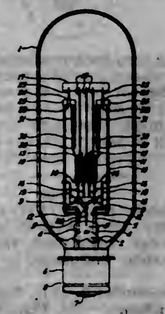
2,462,222
DETACHABLE HOSE FITTING
Peter F. Hurst, Herten, Mich., assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich., a corporation of Michigan
Application March 12, 1945, Serial No. 582,356
5 Claims. (Cl. 285—86)

1. A detachable hose fitting comprising a nipple, a socket having a female part and a male part, an interiorly threaded bore in said female part of one diameter into which said nipple is threaded, an internally threaded bore in said female part of a larger diameter into which the male part is threaded, a recess in said female part between said internally threaded bores defining a chamber embracing a portion of said nipple when assembled in said socket and closed at one end by an annular wall of said wall socket part, and into which chamber the end of the hose is inserted to fill the chamber, said male part being internally threaded to provide said socket with a threaded bore portion axially spaced from said chamber to facilitate the insertion of the hose into the socket, and means between said chamber and said threaded bore portion projecting into the end of said chamber remote from said annular wall to provide an axially movable wall for compressing the hose to completely fill said chamber.

2,462,224
SHOE WITH RESILIENT CLOSURE MEANS
Charles A. Julianson, Fort Worth, Tex.
Application January 29, 1946, Serial No. 644,073
2 Claims. (Cl. 36—50)

1. In a shoe construction having an upper with an opening formed in its front instep portion, in combination, opposing channels formed along the edges of said instep portion on each side of said opening and extending rearwardly from the top of said opening along portions of the top of said upper, a substantially U-shaped tensioned member arranged in said channels and having the upper extended ends of the spaced parallel legs of said member oppositely extended along the portions of said channels formed in the top of said upper.

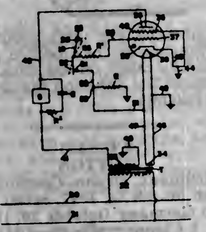
2,462,225
FILAMENT CONNECTION FOR ELECTRIC INCANDESCENT LAMPS
Leroy G. Leighton, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application July 12, 1947, Serial No. 760,627
4 Claims. (Cl. 176—38)



1. In an electric incandescent lamp, the combination of a leading-in conductor having a spud

portion provided with opposed shoulders spaced longitudinally thereof, a filament having an end coil portion fitted over the said spud portion, and a wire compression coil fitted over the said spud portion, said filament end coil and said compression coil being screwed together throughout a portion only of the length of said compression coil and being compressed between the shoulders of said spud portion.

2,462,226
ELECTRIC WEFT DETECTOR FOR LOOMS
John C. Manoog and Walter H. Wakefield, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 9, 1946, Serial No. 695,626
16 Claims. (Cl. 139—273)

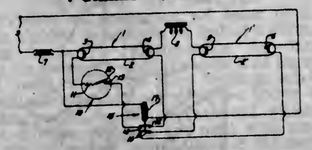


3. In an electric weft detecting system for a loom having an operating electric circuit including an electronic tube and an electromagnetic device which is energized to initiate a change in loom operation when current can flow through the tube, a control grid for the tube, a weft detector, and grid control electric means connected to the grid by the detector and maintaining the grid at such electric potential as will prevent flow of current through the tube when the detector is in normal non-indicating condition, said detector when in weft exhaustion indicating condition disconnecting the grid from said electric means to prevent control of the tube by the grid.

2,462,227
AUTOMATIC DRILL PRESS
John Edwin Mills, East Orange, N. J., assignor to Excel Automatic Products, Inc., Newark, N. J., a corporation of New Jersey
Application October 23, 1945, Serial No. 623,960
2 Claims. (Cl. 77—62)

1. A work-piece holding jig for an automatic drill press comprising a body provided with a longitudinally extending endwise open work-piece holding passage, said body having a drill guideway perpendicular to the axis of said passages, a latch member pivoted by one end to said body to extend along one side of said passage with its free end directed toward the receiving end of said passage, means to yieldably urge said latch member toward said passage, said latch member having a stop projection intermediate its ends adapted to arrest and hold a work-piece in said passage in position to be drilled, said latch member also having a cam nosing at its free end adapted to be engaged by a work-piece entering said passage, whereby to out-swing said latch member so as to withdraw the stop projection for release of a previously drilled work-piece subject to impulsion by said entering work-piece toward the discharge end of said passage, a reciprocable feed plunger longitudinally aligned with said passage, and operative to deliver work-pieces into and for movement in a train through said passage, means to supply work-pieces subject to the operation of said feed plunger, said feed plunger being adapted to penetrate the receiving end portion of the work-piece holding passage so as to advance and hold a work-piece against the stop projection of the latch member in position to be drilled, and said feed plunger having a clearance cavity in its side rearwardly of its end for the reception of the cam nosing of the latch member, whereby to permit in-swinging movement of said latch member to dispose the stop projection in holding relation to the work-piece advanced by said feed plunger.

2,462,228
STARTING AND OPERATING CIRCUITS FOR ELECTRIC DISCHARGE DEVICES
Robert Victor Mills, Maurice George Clarke, and Harold Robert Ruff, Rugby, England, assignors to General Electric Company, a corporation of New York
Application June 9, 1947, Serial No. 753,462
In Great Britain October 31, 1946
7 Claims. (Cl. 315—96)



1. In combination, a supply circuit, a plurality of serially connected electric discharge devices each comprising at least one filamentary electrode and a cooperating electrode, a reactance connected in series relation with said discharge devices across said circuit, and magnetic relay means for starting and controlling the operation of said discharge devices and comprising an actuating coil responsive to the voltage across the serially connected discharge devices and having contacts connected across electrodes of each of said devices.

2,462,229
EVAPORATOR HAVING REFRIGERANT RECIRCULATION MEANS
Harry G. Mejonnier, Oak Park, Ill.
Application January 12, 1945, Serial No. 572,527
15 Claims. (Cl. 62—126)

1. An evaporator for use with refrigerating apparatus comprising a tank structure, a pair of elongated tube members within the tank structure, said tube members being of different size, means for supporting the smaller tube within the larger tube, means forming a gas and liquid refrigerant separator chamber within the tank structure, means interconnected with said chamber for transmitting a refrigerant medium through one of said tubes, said refrigerant transmitting means including means for individually withdrawing gas and liquid phases of the refrigerant from said separator chamber, and means for transmitting a medium to be cooled through the other tube, whereby the wall surfaces of the smaller

tube constitute a heat transfer surface engaged by the refrigerant medium and the medium to be

row softening temperature range and adhesion to rolls at temperatures of 160° C. and above and having incorporated therein from 0.05 to 9 per

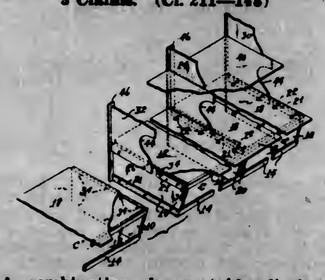
of an internal combustion engine to prevent the passage of electromagnetic waves, air, and water therebetween; said gasket comprising a plurality

operation of the lamp, said electrodes being arranged so that the voltage drop across terminations thereof within said envelope under the influence of preheating current of predetermined

tube constitute a heat transfer surface engaged by the refrigerant medium and the medium to be

cooled to effect an exchange of heat therebetween.

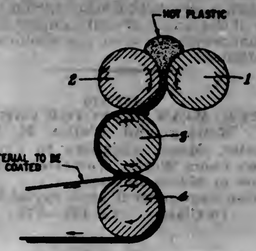
2,462,220
DEMOUNTABLE SHELVING
Otto N. Mueller, Sheffield, Ala., assignor to Reynolds Metals Company, Richmond, Va., a corporation of Delaware
Application May 14, 1946, Serial No. 669,625
3 Claims. (Cl. 211—148)



1. A combination demountable display case and shelving comprising a horizontally disposed case having end panels, spacing members disposed along the lower exterior edge and upper forward edge of each panel, horizontal strut means secured to the upper and lower front edge of each panel for separating said panels, a case cover disposed on and supported by the upper edge of said panels and the upper horizontal strut means, a vertically-extending shelving-supporting member having substantially the same thickness as said upper spacing member and located rearwardly of the latter on the external side of each end panel, a front panel disposed against said strut members and an edge portion of said lower spacing member, and fastening means for securing said end panels and vertical member in rigid assembly.

2,462,231
POLYETHYLENE COMPOSITIONS
Clayton S. Myers, Westfield, N. J., assignor to Bakelite Corporation, a corporation of New Jersey
Application April 13, 1944, Serial No. 530,855
5 Claims. (Cl. 260—23)

1. Product comprising a polymer of ethylene characterized by a crystalline structure of narrow softening temperature range and adhesion to rolls at temperatures of 180° C. and above and having incorporated therein from 0.05 to 9 per cent of a modifying agent selected from the group consisting of polyhydric alcohol esters and metal



salts of monocarboxylic fatty acids having from 12 to 24 carbon atoms, the modified polymer being characterized by ready release from rolls at temperatures above the adhesion temperature of the unmodified polymer.

2,462,232
BUTTON
Jan Neumann, Brunn, Czechoslovakia
Application March 20, 1947, Serial No. 735,904
In Germany October 20, 1941
2 Claims. (Cl. 24—104)

1. A fabric gripping button comprising a first hollow cylinder pointed at the one end and provided with an annular base at the opposite end, a second hollow cylindrical sleeve adapted to slidingly fit over said first cylinder and having a button head attached to its one end and means to secure the said two cylinders at a different fabric gripping distance.

2,462,233
CIGARETTE HOLDER
Harvey O. Newsom, Alameda, Calif.
Application March 1, 1947, Serial No. 731,815
2 Claims. (Cl. 131—259)

2. A cigarette holder, a cone shaped body portion having flat supporting surfaces, a cap secured to said cone, a counterweight pivotally mounted in said cone, a rod engaging said counterweight, and a retainer carried by said rod whereby when a cigarette is positioned in said retainer said counterweight will maintain said cigarette in a substantially vertical position.

2,462,234
RADIO SHIELDING SEALING GASKET
Adrian A. Pierson, Cooperstown, N. Y.
Application June 2, 1944, Serial No. 538,474
2 Claims. (Cl. 174—35)

1. A gasket adapted to be interposed between the body and cover of the ignition distributor

of an internal combustion engine to prevent the passage of electromagnetic waves, air, and water therebetween; said gasket comprising a plurality of strands of bare wire and a plurality of strands of an air and water impervious resilient material closely interwoven together to form a compact, but transversely compressible, cable like structure; said wire strands being in electrical contact with each other, and closely spaced portions of both said wire strands and said strands of resilient material being exposed on the outer sur-

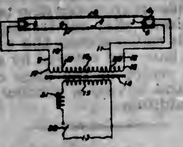
face of said gasket and forming a gasket structure having transverse electrical conductivity between substantially all diametrically disposed points on the surface thereof; whereby said gasket when compressed between two, separate, metallic elements will form a substantially continuous barrier to the passage of electromagnetic waves between said elements, and said resilient strands will cooperate with said wire strands and with said metallic elements to seal the space between said elements against the passage of air and water.

2,462,235
STARTING SWITCH FOR ELECTRIC DISCHARGE DEVICES
Bryson R. Reinhardt, Mounds View Township, Ramsey County, Minn., assignor to General Electric Company, a corporation of New York
Application December 4, 1941, Serial No. 421,537
15 Claims. (Cl. 215—100)

1. A starting switch for a starting circuit of an electric discharge device comprising correlated thermostats, one relatively fast-acting and another relatively slow-acting, responsive to heat always developed when said discharge device is starting and in operation, and toggle switch means for said starting circuit actuated by the heat-responsive movements of said thermostats relative to one another.

2,462,236
ELECTRIC DISCHARGE DEVICE AND METHOD OF OPERATION
Harold Robert Ruff, Rugby, England, assignor to General Electric Company, a corporation of New York
Application April 10, 1946, Serial No. 660,879
In Great Britain May 12, 1945
6 Claims. (Cl. 176—122)

1. In an electric lamp of the discharge type comprising a pair of thermionic electrodes of the filamentary type spaced apart in an envelope, an ionizable atmosphere comprising a rare gas at a pressure of a few mms. and a small quantity of mercury which supplies mercury vapor during operation of the lamp, said electrodes being arranged so that the voltage drop across terminations thereof within said envelope under the influence of preheating current of predetermined value is such as to produce local regions of ionization between said terminations, a layer of fluorescent material on the inside surface of said

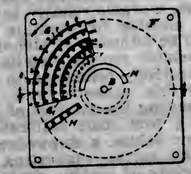


envelope, a strip of conductive material on said envelope extending along the discharge path and terminating in the vicinities of said electrodes to assist in the establishment of an arc discharge therebetween by co-operating with the regions of ionization appearing across the terminations of the filamentary electrodes.

2,462,237
PREPARATION OF UNSATURATED ACID ESTERS
Leon Shechter, East Orange, N. J., assignor to Bakelite Corporation, a corporation of New Jersey
No Drawing. Application August 8, 1946, Serial No. 689,196
6 Claims. (Cl. 260—486)

1. Process of preparing an ester of a polyhydric alcohol consisting of linked hydrocarbons having hydroxyl replacements for hydrogen atoms on different carbon atoms and an unsaturated monocarboxylic acid having conjugated ethylenic bonds and one of these bonds in conjugation with the acidic carbonyl which comprises directly reacting the acid with an excess over stoichiometric proportions of the alcohol in the presence of a strong acidic catalyst and in an organic solvent therefor at refluxing temperature not exceeding 170° C. to thereby yield esters characterized by drying to hard films.

2,462,238
ADDING DEVICE
Mojzesz Sieradzki, Tel Aviv, Israel, now by judicial change of name Moshe Shimrat
Application August 5, 1948, Serial No. 42,630
2 Claims. (Cl. 235—78)



1. In an adding device a number of concentrical superposed discs of increasing diameter, the smallest being uppermost, turnable independently from each other on a common pivot, holes in each disc along its periphery arranged at equal distances from each other in an even number of groups of ten holes, consecutive groups being in staggered order with each other at a smaller distance from the pivot and at a larger one, further holes in the discs below the uppermost one registering with the holes in the discs above, auxiliary discs between every two discs with holes,

such auxiliary discs having holes around their periphery in staggered position with each other and corresponding in distance from the pivot with

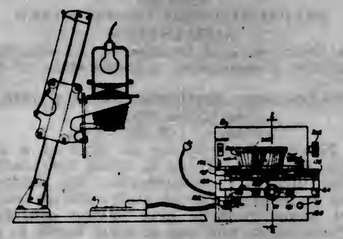
time value of an exposure that said selected point on the easel will receive, and whereby the portion of the stepwedge print adjacent to the corre-

alide rule like computing device is formed, indicating for each selected point of the easel on the light intensity × time scale of the second part a

able with said shaft and alternately engageable with said arms adjacent the pivotal connections of said link to produce simultaneous oscillation thereof.

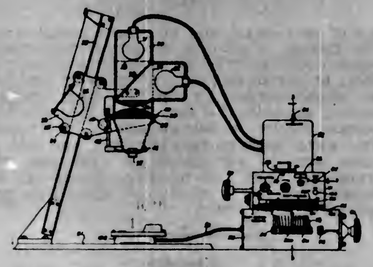
such auxiliary discs having holes around their periphery in staggered position with each other and corresponding in distance from the pivot with the distances of the holes of the groups of the superlying disc, auxiliary plates being interposed between each disc with holes and the auxiliary disc below, such auxiliary plates barring the passage from a hole in an upper disc to the registering hole in a lower disc but freeing this passage along a certain radial sector, the whole set being mounted on a base and covered by a plate exposing to view a sector of the discs corresponding to ten holes, and having a window exposing the result of the addition.

2,462,239
PHOTOELECTRIC EXPOSURE TIME AND PAPER SELECTOR FOR PHOTOGRAPHIC ENLARGERS HAVING SLIDE RULE TYPE COMPUTERS AND STEPWEDGES
Alfred Simmon, Jackson Heights, N. Y., assignor to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application July 11, 1946, Serial No. 682,724
9 Claims. (Cl. 95—10)



1. An exposure time and paper selector for photographic enlargers of the type which projects an enlarged image of a photographic negative on an easel, comprising a photocell housing, a main housing, and a connecting cable, said photocell housing containing a photoelectric cell, and adapted to be placed on selected points of said easel, said main housing containing electric circuit elements operatively connected through said connecting cable to said photoelectric cell, including a movable element adapted to be moved in accordance to the magnitude of the current passing said cell, and indicating by its position light intensity values, a slide rule like computing device including two input and one output members, movable relative to each other, the first input member representing time values and adapted to be adjusted by the operator, the second input member representing light intensity values and operatively connected to said aforementioned movable element, and the output member representing the product of the two input values on a first scale calibrated in light intensity × time values, a stepwedge unit comprising a movable carrier supporting a plurality of stepwedge prints of various grades of paper, a second scale calibrated in light intensity × time values, and means to bring the stepwedge print of a selected grade of paper into adjacent relationship to said second scale by moving said carrier, whereby each point of said scale indicates the light × time values received by adjacent portions of said print, and means coordinating corresponding points representing like light intensity × time values on both light intensity × time scales, whereby the output element of said computing device indicates on a point of said first light intensity × time scale the light intensity × time value of an exposure that said selected point on the easel will receive, and whereby the portion of the stepwedge print adjacent to the corresponding point of said second light intensity × time scale shows the density of a selected grade of paper that has received an exposure of the same light intensity × time value.

2,462,240
PRINT CONTROL DEVICE FOR PHOTOGRAPHIC ENLARGERS
Alfred Simmon, Jackson Heights, and Louis L. Weisglass, New York, N. Y., assignors to Simmon Brothers, Inc., Long Island City, N. Y., a corporation of New York
Application October 12, 1947, Serial No. 781,416
22 Claims. (Cl. 88—24)



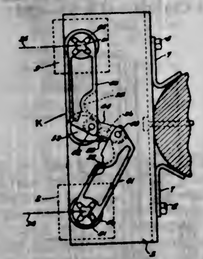
1. A print control device for photographic enlargers of the type that projects an image of a transparency on an easel, said device adapted to perform a density prediction and subsequently a timed exposure, and comprising a photocell housing, adapted to be placed on selected points of said easel and containing a photo-electric cell, a connecting cable, and a main housing composed of two parts, the first part of said housing containing a light intensity indicator including, an electric circuit connected to said photoelectric cell by said cable, a moving element in operative relation with said circuit, and a light intensity scale on which said moving element indicates the light intensity at the selected point of the easel at which said photocell housing has been placed, the second part of said housing containing a stepwedge unit, including a movable support carrying a plurality of stepwedge prints made on different grades of sensitized material, each print containing in systematic arrangement a plurality of areas that received exposures of different light intensity × time values, means to make a selected stepwedge print visible to an observer by moving said support, a light intensity × time scale, and means to indicate on said light intensity × time scale the light intensity × time values received by each area of said visible stepwedge print, one of said two parts of said main housing containing a time switch controlling the time for which said image during a subsequent exposure is projected by said enlarger on said easel, including means to adjust said exposure time, and a time scale indicating the exposure time of said subsequent exposure to which said time switch is adjusted, said main housing comprising means to move said two parts relative to each other, including a mechanism operatively connecting said moving means to the aforementioned adjusting means of said time switch, whereby said time switch is automatically adjusted by moving said two parts of said main housing relative to each other, and whereby a

slide rule like computing device is formed, indicating for each selected point of the easel on the light intensity × time scale of the second part a light intensity × time value obtained as the product of the measured light intensity value indicated on the light intensity scale of the first part, and of the selected time value indicated on the time scale of said time switch, and whereby one area of said visible stepwedge print shows the predicted print density as obtained on the selected grade of sensitized material after an exposure of the same light intensity × time value.

2,462,241
CLEANING COMPOSITION FOR RUST-STAINED LACQUERED SURFACES
Breckinridge Kenney Tremaine, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1946, Serial No. 699,694
2 Claims. (Cl. 252—106)

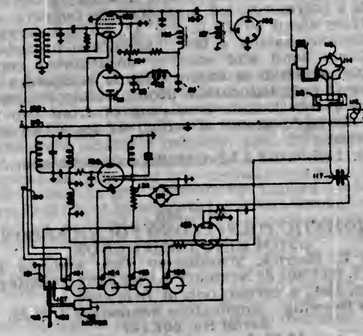
1. A cleansing composition comprising as active ingredients from 10 to 50 parts by weight of oxalic acid (based on the formula of the dihydrate) and from 90 to 50 parts by weight of a composite softening agent which consists of a partially sulfonated saturated aliphatic hydrocarbon having at least 16 carbon atoms per molecule, the degree of sulfonation in said composite softening agent being from 10 to 50% of its total hydrocarbon content.

2,462,242
OPERATING MECHANISM FOR ELECTRICAL SWITCHES
Arthur M. Tregner, East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis., a corporation of Delaware
Original application August 2, 1940, Serial No. 350,836, now Patent No. 2,410,253, dated October 29, 1946. Divided and this application March 29, 1946, Serial No. 657,983
3 Claims. (Cl. 200—153)



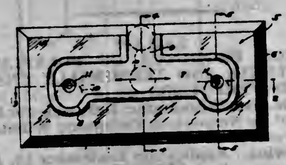
1. In a switch, a pair of switch blades mounted for opposed rotation, lever arms each connected to one of said blades for oscillation in a plane parallel to the plane of oscillation of the other, a link pivotally connected at one end with one of said arms and pivotally connected at the other end with the other of said arms and maintaining said ends in laterally spaced relation, a rotatable shaft disposed below said arms, and cam means rotatable with said shaft and alternately engageable with said arms adjacent the pivotal connections of said link to produce simultaneous oscillation thereof.

2,462,243
REMOTE-CONTROL SYSTEM
Adolph J. Wohlgemuth, Brooklyn, N. Y.
Application August 21, 1944, Serial No. 550,324
17 Claims. (Cl. 250—2)



1. In a remote control system having a control station and a plurality of remote stations, a pair of signaling channels common to all of said stations, means at said control station for transmitting a first signal over one of said signaling channels to initiate an operation at all of said remote stations, and means at each of said remote stations operated in response to said first signal for transmitting a return signal over the other of said signaling channels a predetermined length of time after the reception of said first signal, said predetermined length of time being different for each remote station.

2,462,244
SUPPORT FOR SHIFTABLE CURTAIN RODS
William G. Anderson, Hollywood, Fla.
Application February 18, 1948, Serial No. 9,289
4 Claims. (Cl. 248—264)



1. A curtain rod end support comprising a rectangular shaped flat body portion having its edges bevelled, a guide and support groove formed in the face of the body portion and extending horisontally for the major portion of the body portion, said groove provided with downwardly extending pockets at its extremities, said groove slidably receiving the end of the rod, said rod end slidable in the groove for alternate engagement in the pockets and a vertically arranged groove formed in the face of the body portion and communicating with the first named groove and the outer edge of the body.

2,462,245
MONOMERIC FLUORINE COMPOUNDS CONTAINING A FOUR-CARBON ATOM RING
Paul L. Barrick, Wilmington, Del., assignor to

2,462,248
PIPE JOINT
Roy Batchler, Washington, D. C.
Application March 24, 1944, Serial No. 527,273

that projects into the lower receptacle and terminates at some distance above the bottom of said lower receptacle, and an annular gasket surrounding the upper end of the neck and fitting

2,462,251
AREA MEASURING DEVICE AND METHOD
Marietta Blau, New York, and Jack Raymond Carlin, Brooklyn, N. Y., assignors to Canadian Radium & Uranium Corporation, New York,

2,462,345
MONOMERIC FLUORINE COMPOUNDS CONTAINING A FOUR-CARBON ATOM RING
Paul L. Barrick, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1943, Serial No. 484,239
11 Claims. (Cl. 260—648)

1. A process for preparing monomeric organic fluorine compounds containing a four-carbon ring, said process comprising heating, in contact with a polymerization inhibitor at a temperature of from about 50° C. to 300° C., an unsaturated compound having a terminal carbon-to-carbon multiple bond and another unsaturated compound which is a monoethylenic compound of two and only two carbon atoms having attached thereto substituents consisting of from two to four halogen atoms of which at least two are fluorine.

11. 1-chloro-2,2,3,3-tetrafluorocyclobutane.

2,462,346
AROMATIC POLYFLUORO FOUR-CARBON ATOM RING COMPOUNDS
Paul L. Barrick, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 3, 1943, Serial No. 501,147
13 Claims. (Cl. 260—648)

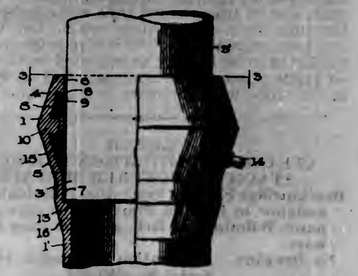
1. A monomeric fluorine-containing organic compound having a four atom ring consisting of carbon atoms, the carbon atom constituting ring position 1 having attached thereto an aromatic group containing not more than three 6-carbon atom rings, the carbon atoms constituting ring positions 2 and 3 having attached thereto four halogen atoms of which at least two are fluorine atoms, and the carbon atom constituting ring position 4 being unsubstituted.

9. The process of preparing an aromatic polyfluorocyclobutane which comprises heating, in the presence of a polymerization inhibitor at a temperature between 50° to 250° C., an unsaturated aromatic compound containing not more than three 6-carbon atom rings and having a terminal methylene group in a side chain of not more than four carbon atoms and one oxygen atom with a tetrahalogenated two carbon atom polyfluoroethylene in which at least two of the halogens are fluorine.

2,462,347
REACTION PRODUCTS OF POLYFLUOROETHYLENES AND TERMINALLY UNSATURATED COMPOUNDS
Paul L. Barrick, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 12, 1947, Serial No. 773,729
20 Claims. (Cl. 260—85)

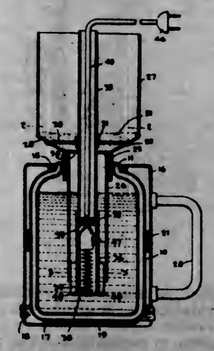
3. A compound having a ring of four atoms consisting of carbon atoms, said atoms comprising a pair of adjacent saturated carbon atoms having as the sole substituents thereon from two to four halogen atoms of which at least two are fluorine atoms, the carbon atom in one of the two remaining positions in said ring being unsubstituted, and the carbon atom in the other of the two remaining ring positions having attached thereto a substituent having a terminal unsaturated carbon joined only to carbon and hydrogen.

2,462,348
PIPE JOINT
Roy Batchler, Washington, D. C.
Application March 24, 1944, Serial No. 527,973
1 Claim. (Cl. 285—115)



A pipe joint, comprising a bell member having its opposite ends reduced in size and forming a socket therebetween, a spigot member axially projecting into the socket of said bell member and substantially conforming in size to the opposite ends of the bell member, a plurality of circumferentially spaced lugs carried by said bell member in axially spaced relation to the reduced opposite ends of the latter and extending radially inwardly therefrom in cooperative supporting relation to the spigot member, said lugs each being provided with a bearing face of substantial area, the outer margins of which overhang the contiguous walls of the bell member and are provided with apertures extending therethrough, a fluent sealing material filling the socket about the spigot member and enveloping the lugs aforesaid, and means for admitting the fluent sealing material through the bell and into the socket thereof.

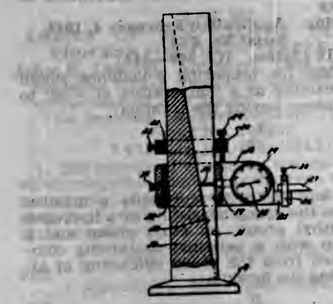
2,462,349
VACUUM TYPE COFFEE-MAKING UTENSIL
Stefano Battiliani, New York, N. Y.
Application November 2, 1945, Serial No. 626,397
2 Claims. (Cl. 99—292)



1. In a vacuum coffee maker having a thermally insulated lower receptacle with a mouth at its upper end, an upper, open-top receptacle with a downwardly extending cylindrical neck

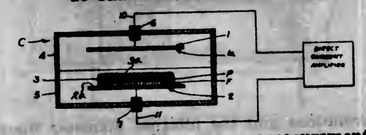
that projects into the lower receptacle and terminates at some distance above the bottom of said lower receptacle, and an annular gasket surrounding the upper end of the neck and fitting within said mouth to seal the space between the neck and mouth, the improvement that comprises a tubular element extending downward through the upper receptacle and into the neck, supporting means extending from the sides of the tubular element and contacting with the bottom of the upper receptacle to support the tubular element in a predetermined relation with respect to the upper receptacle, an annular porous support for ground coffee, said porous support fitting closely around the tubular element below its supporting means and contacting with the bottom of the upper receptacle near the top of the neck, an imperforate cup threaded to the lower end of the tubular element and sealing the tubular element against the entrance of water or steam from the lower receptacle, said cup being of such length that it extends below the bottom of the neck, an electric heating coil housed within the cup, conductors extending from the heating coil upward through the tubular element and out through the top of said tubular element for connection with a source of power, and heat distributing fins extending outwardly from said cup for centering the cup and tubular element at the lower end of the neck.

2,462,350
HEIGHT GAUGE
Joseph Bauer and Anthony Schittelbauer, Detroit, Mich.
Application September 20, 1945, Serial No. 617,572
7 Claims. (Cl. 33—169)



5. A gauge of the class described comprising an elongated bar having a longitudinally extending groove formed in one of its faces and provided with an inclined base; a sleeve slidably mounted on said bar; means for locking said sleeve against slidable movement on said bar; a carriage slidably mounted on said bar; an indicating dial carried by said carriage; an indicating mechanism associated with said dial; a spring pressed plunger for operating said indicating mechanism and extending into said groove and riding with one end in contact with the inclined base of said groove; a contact member carried by said carriage; and threaded means for connecting said carriage to said sleeve for, upon rotation, moving said carriage longitudinally of said bar and relatively to said sleeve; and means for locking said carriage in fixed relation to said bar.

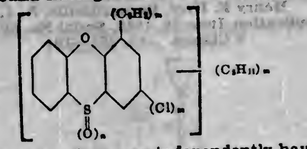
2,462,351
AREA MEASURING DEVICE AND METHOD
Marietta Blau, New York, and Jack Raymond Carlin, Brooklyn, N. Y., assignors to Canadian Radium & Uranium Corporation, New York, N. Y., a corporation of New York
Application October 22, 1946, Serial No. 704,834
16 Claims. (Cl. 250—83.6)



1. A method of making an area measurement of a test body, which consists in applying a difference of potential to electrodes which are spaced from each other and which are separated by an intermediate ionizable medium, said difference of potential being too low to send a brush discharge current through said intermediate ionizable medium, ionizing said medium by applied ionizing rays to produce an ionization current through said medium and between said electrodes which is proportional to the ionization effect of said ionizing rays, and locating said test body in said intermediate ionizable medium between said electrodes to obstruct only a part of said ionizing rays so as to decrease said ionization current between said electrodes, and measuring said decrease.

2,462,352
HEAT STABLE COMPOSITIONS COMPRISING POLYMERIC VINYLIDENE CHLORIDE AND PHENOTHIOXINE OR CERTAIN DERIVATIVES THEREOF
Raymond F. Boyer, Lerne A. Matheson, and Robert C. Reinhardt, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Delaware
No Drawing. Application May 28, 1945, Serial No. 596,402
4 Claims. (Cl. 260—92.5)

1. A composition of matter comprising a polymeric vinylidene chloride product which tends to darken when heated and, as a heat stabilizing agent therefor, from 2 to 10 per cent by weight of a compound having the general formula



where n and each m may independently have one of the values 0 and 1, the sum of the values of the letters m not exceeding 2.

2,462,353
CONTRACTION JOINT ASSEMBLY
Alan E. Brickman, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application December 12, 1946, Serial No. 715,715
3 Claims. (Cl. 94—8)

1. In a transload device for transferring loads between adjacent slabs, the combination including a plurality of dowel members adapted to extend into both slabs, and a support embracing each end of the dowel members, said support comprising a resilient helical coil with the inner end projecting downwardly to form a support for the

dowel and the outer end bent inwardly to form a stop for the dowel, the coil having spaced apart

to be connected to a direct contact condenser, a closed chamber surrounding the outlet end of said tail pipe to receive liquid flowing from said outlet, an air removal means connected to the

group, a monocyclic aryl group of the benzene series, a benzyl group and a β-phenylethyl group; diketones having the formula:

2,462,360
METHOD OF PREPARING LUBRICATING OILS
Paul H. Carnell, Bartlesville, Okla., assignor to

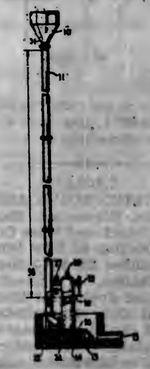
dowel and the outer end bent inwardly to form a stop for the dowel, the coil having spaced apart

convolutions and the internal diameter thereof being slightly less than the diameter of said dowel member to provide a frictional grip thereon.

2,462,254
ORGANIC COMPOUND POLYMERIZATION PROCESS
Merlin M. Brubaker, Delaware County, and Ralph A. Jacobson, Landenberg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 17, 1942, Serial No. 458,734
17 Claims. (Cl. 260—87)

1. The process for preparing resinous material through polymerization which comprises forming an aqueous dispersion containing a monoethylenically - unsaturated, polymerizable, organic compound having a terminal ethylenic double bond and molecular weight in excess of 30, said aqueous medium containing from about .01% to 5%, based on the total weight of monomers present, of an oxygen-yielding polymerization catalyst and from about .001% to 5%, based on the quantity of monomer, of an inorganic oxidizable sulfoxy compound from the group consisting of sulfur dioxide, sodium bisulfite, sodium sulfite, ammonium bisulfite, sodium hydrosulfite, and sodium thiosulfate, and then maintaining the resulting dispersion at a temperature of from 0° C. to 125° C. until polymerization of the polymerizable components present therein is essentially complete.

2,462,255
CONDENSER
Henry E. Eyer, Bernardsville, N. J.
Application June 26, 1945, Serial No. 601,573
8 Claims. (Cl. 261—19)



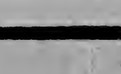
3. A direct contact condensing system including a gravitational barometric tail pipe adapted to be connected to a direct contact condenser, a closed chamber surrounding the outlet end of said tail pipe to receive liquid flowing from said outlet, an air removal means connected to the top of said chamber to separate air and gases from gravitationally flowing liquid in said tail pipe, and an atmospheric seal tank connected to the bottom of said chamber through which liquid is removed, the discharge point from said tail pipe into said seal tank being spaced at all times from the liquid level of said seal tank.

2,462,256
MATRIX BAND
Howard L. Call, Ogden, Utah
Application March 25, 1946, Serial No. 656,940
2 Claims. (Cl. 32—63)

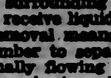
1. A matrix band for dentists comprising a pair of like formed thin metal strips having one widened area and narrow extended legs at one end of said widened area and shorted legs from the other end, the strips to be made to be used in pairs with the narrow legs overlapping and the widened areas set to form a V-space therebetween when the two bands are encircling a tooth.

2,462,257
PREPARATION OF β-LACTONES
John R. Caldwell and Hugh J. Hagemeyer, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 4, 1948, Serial No. 6,247
16 Claims. (Cl. 260—344)

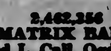
1. A process for preparing β-lactones which comprises reacting at a temperature of −20° to +60° C. a ketene having the formula:



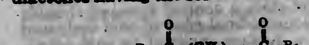
wherein R and R_1 each represents a member selected from the group consisting of a hydrogen atom, a methyl group, an ethyl group and a phenyl group with a carbonyl-containing compound selected from the group consisting of aldehydes having the formula:



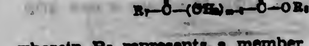
wherein R_2 represents a member selected from the group consisting of a hydrogen atom, an alkyl group having the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4, a monocyclic aryl group of the benzene series, a benzyl group and a β-phenylethyl group; ketones having the formula:



wherein R_3 represents a member selected from the group consisting of an alkyl group having the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4, a monocyclic aryl group of the benzene series, a benzyl group and a β-phenylethyl group and R_4 represents a member selected from the group consisting of a methyl group, an ethyl group, a monocyclic aryl group of the benzene series, a benzyl group and a β-phenylethyl group; diketones having the formula:



wherein R_5 and R_6 each represents a member selected from the group consisting of a methyl group, an ethyl group and a n-propyl group and m represents a positive integer from 1 to 3; and ketoesters having the formula:



wherein R_7 represents a member selected from the group consisting of a methyl group and an ethyl group, R_8 represents an alkyl group having the formula C_nH_{2n+1} wherein n is a positive integer from 1 to 4 and m represents a positive integer from 1 to 3 in the presence of 0.5% to 2% by weight, based on the carbonyl-containing compound used of a catalyst selected from the group consisting of alumina, and alumina-silica catalyst consisting of from 5 to 30% by weight of alumina and 70 to 95% by weight of silica, an alumina-silica-zirconia catalyst consisting of from 4 to 30% by weight of alumina, 55 to 95% by weight of silica, and 1 to 15% by weight of zirconia, an alumina-silica-thoria catalyst consisting of 4 to 30% by weight of alumina, 55 to 95% by weight of silica, and 1 to 15% by weight of thoria, and an alumina-silica-boron oxide catalyst consisting of 4 to 30% by weight of alumina, 55 to 95% by weight of silica, and 1 to 15% by weight of boron oxide, and mixtures thereof.

2,462,258
AMIDES OF ACETOACETIC ACID AND PROCESS FOR THEIR PREPARATION
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application June 21, 1946, Serial No. 678,353
7 Claims. (Cl. 260—404.5)

1. The process of producing acetoacetyl amides which comprises condensing diketene with a compound selected from the group consisting of those compounds which are represented by the following general formulas:

$$H_2N—C_2H_4—NH—COR_1$$

and

$$H_2N—C_2H_4—NH—C_2H_4—NHCOR_1$$

and

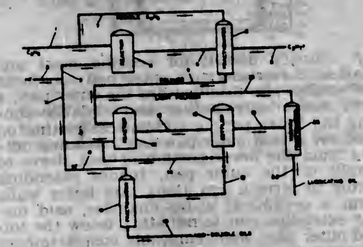
$$R_1CONH—C_2H_4—NH—C_2H_4—NHCOR_1$$

wherein R_1 represents an alkyl radical containing from 8 to 24 carbon atoms.

2,462,259
HYDROFLUORINATION OF UNSATURATED ORGANIC COMPOUNDS
John D. Calfee, Manhasset, and Francis H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application November 22, 1944, Serial No. 564,723
17 Claims. (Cl. 260—653)

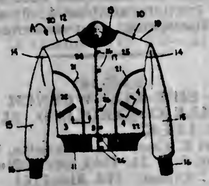
1. In the hydrofluorination of unconjugated, unsaturated aliphatic compounds, the improvement which comprises reacting hydrogen fluoride with the organic compound in the presence of fluosulfonic acid.

2,462,260
METHOD OF PREPARING LUBRICATING OILS
Paul H. Carnell, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 28, 1946, Serial No. 671,110
10 Claims. (Cl. 196—13)



4. A method of preparing lubricating oil from an olefin polymer formed as a by-product in the treatment of a low-boiling aliphatic olefin with hydrofluoric acid, said polymer when topped to 400° F. under a pressure of not over 10 mm. of mercury absolute having a viscosity of from 100 to 150 SUS at 100° F. and of from 20 to 50 SUS at 210° F., a viscosity index (Dean & Davis) of not over 20, which comprises treating said polymer with substantially anhydrous hydrofluoric acid in an amount such as to give a weight ratio of hydrofluoric acid to said polymer in excess of 1:1 but not over 10:1, at a temperature of from 75 to 100° C., and a pressure of from 100 to 250 pounds per square inch gauge for a period of time ranging from 20 to 140 minutes such as to produce a substantial improvement in the viscosity index and pour point of said polymer, and recovering the treated olefin polymer from the resulting reaction mixture.

2,462,261
JACKET CONSTRUCTION
Bruno F. Cassens, St. Paul, Minn., assignor to Butwin Sportswear Co., St. Paul, Minn., a partnership
Application December 20, 1946, Serial No. 717,487
7 Claims. (Cl. 2—108)



7. A jacket including front and rear panels, upwardly and outwardly diverging seams in said front and rear panels, and a trim strip anchored in each of said seams, said anchor strips comprising a folded strip of material having a beaded surface possessing relatively high light reflective properties having its longitudinal free edges anchored within the seam and having the folded edge projecting beyond the seam, and a substantially cylindrical flexible member enclosed within said folded edge of said strips.

2,462,262
COMPARTMENTED CULINARY UTENSIL
Esther M. Christensen, Denver, Colo.
Application December 4, 1945, Serial No. 632,660
6 Claims. (Cl. 126—277)

thereof and rockable toward and from the fixed jaw, a stop to limit movement of the second jaw toward the first jaw, a spring to urge said second jaw against said stop, a control member slidably mounted on a longitudinal edge of said body and

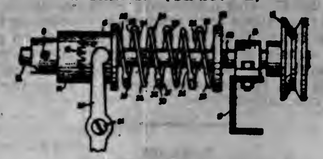
heat to said chamber, openings at the upper and lower ends of the chamber for respectively introducing material to be heated and withdrawing heated material, and a conduit disposed longitudinally of said chamber along its bottom and

each of said tank sections and with said distribution piping, piping connecting the outlet side of said pump with each of said tank sections and with said distribution piping, and valves in said pipings selectively controlling the pumping of

2,462,262
COMPARTMENTED CULINARY UTENSIL
Esther M. Christensen, Denver, Colo.
Application December 4, 1945, Serial No. 632,660
6 Claims. (Cl. 126—277)

3. A culinary utensil for cooking meat and vegetables, comprising: an outer pan; an inner pan of smaller size fitted within the outer pan; a vertical sleeve surrounding and slidably contacting the inner pan; a sub-bottom resting on the bottom of said outer pan and extending outwardly from the lower portion of said sleeve to the walls of the outer pan, thence extending upwardly to form a rim along said latter walls to form a peripheral water chamber, said upwardly extending rim terminating below the top of said outer pan; and removable compartments positioned between the wall of said outer pan and said sleeve supported by said rim above said sub-bottom, the peripheral portion of the bottom of the inner pan being arched upwardly and outwardly forming a water compartment in combination with the bottom of the outer pan below and around the inner pan.

2,462,263
SPRING
John W. Cook, York, S. C.
Application May 28, 1946, Serial No. 672,777
2 Claims. (Cl. 267—1)

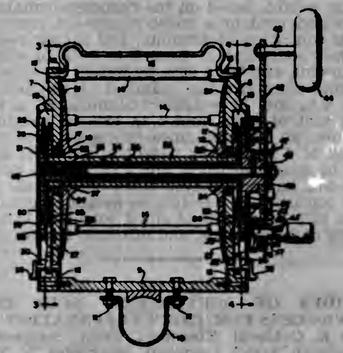


1. A convoluted spring having a plurality of sections connected together by pivoted joints about which the portions of the spring can be pivoted radially outwardly for removal from around the shaft, and can be pivoted radially inwardly for installation around the shaft, the joints in the spring comprising each section having shoulder portions adapted to fit against each other when the spring is in assembled or spiral position.

2,462,264
PIVOTED SIDE-JAW WRENCH HAVING MANUALLY-CONTROLLED SLIDABLE-WEDGE LOCK
Ernest E. Cooper, La Fayette, R. I.
Application July 11, 1947, Serial No. 760,395
1 Claim. (Cl. 81—116)

In a wrench a longitudinal body member having fixed therewith one jaw of a nut receiving recess, a second jaw pivoted to said body member on substantially the longitudinal center line thereof and rockable toward and from the fixed jaw, a stop to limit movement of the second jaw toward the first jaw, a spring to urge said second jaw against said stop, a control member slidably mounted on a longitudinal edge of said body and provided with a surface inclined to said longitudinal body edge, said surface, when said control member is manually moved relative to the body member, engaging the second jaw and urging it toward the first jaw to grip a nut, and a spring to retract said control member when manual pressure thereon is released, whereby said second jaw will swing against the action of its urging spring when the wrench is swung backwards around the nut in order to obtain a new grip thereon.

2,462,265
FISHING REEL
Frank Crawford, Lihue, Territory of Hawaii
Application January 2, 1947, Serial No. 719,668
5 Claims. (Cl. 242—84.6)

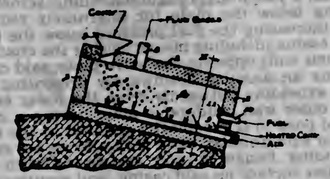


1. A fishing reel having a pair of cheek plates having outer recesses, a seat bar attached to said cheek plates, bearings in said cheek plates, a spool having a sleeve journaled in said bearings and extending outwardly into said recesses, an inner clutch plate on each end of the sleeve, a sectional tubular shaft centrally of the sleeve, means for interlocking the shaft sections, outer clutch plates on the outer ends of the shaft, a hub on one end of the shaft outside of the clutch plate, a crank on the hub, a spindle extending through the hub and shaft and adjustably screw-threaded into the remote shaft section, manually operable means outside the crank for adjusting the spindle, a spring held pawl for each outer clutch plate and a click for each inner clutch plate.

2,462,266
HEATING OF GRANULAR MATERIALS
Caleb Davies, Jr., Ben Aven, and Robert York, Jr., Pittsburgh, Pa., assignors, by direct and mesne assignments, to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 21, 1944, Serial No. 519,248
4 Claims. (Cl. 263—21)

1. Apparatus for heating granular material comprising a heating chamber having its bottom inclined at an angle slightly less than the angle of repose of the material to be heated, the chamber having side walls flaring outwardly and upwardly from the bottom so that it is of substantially upright V-section, means for supplying

heat to said chamber, openings at the upper and lower ends of the chamber for respectively introducing material to be heated and withdrawing heated material, and a conduit disposed longitudinally of said chamber along its bottom and provided with spaced openings for introducing jets of gas into the chamber to impel granules

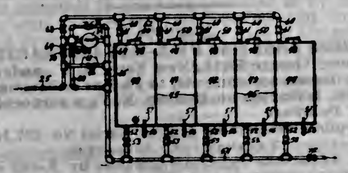


of said material upwardly into the chamber in a direction substantially perpendicular to the axis of said chamber as they pass through it, said gas conduit and heat supplying means being separately and independently associated with the heating chamber so as to establish and maintain a high temperature throughout said chamber.

2,462,267
FREQUENCY MODULATING DEVICE
Lee de Forest, Los Angeles, Calif.
Application January 25, 1945, Serial No. 574,516
7 Claims. (Cl. 315—58)

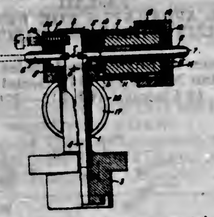
1. In a variable capacitor, the combination of: a pair of spaced electrodes; a dielectric material between said electrodes; an ionizable dielectric medium between said electrodes; means for directing a stream of electrons through said ionizable medium to effect ionization thereof; and means for deflecting said stream of electrons relative to said electrodes to vary the extent to which it is interposed between said electrodes whereby to vary the degree of ionization of the ionizable medium between said electrodes.

2,462,368
APPARATUS FOR PAINTING GAS HOLDERS
Lewis B. Donovan, White Plains, N. Y., assignor to Consolidated Edison Company of New York, Inc., New York, N. Y., a corporation of New York
Application April 12, 1946, Serial No. 661,670
3 Claims. (Cl. 91—56)



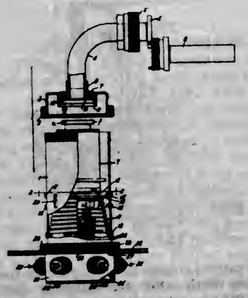
1. Apparatus useful in painting, comprising distribution piping extending to places where a floating layer of paint is to be delivered to and removed from the surface of water, a pump, a paint-holding tank divided into sections by partitions extending upwardly from the bottom of the tank nearly to the top thereof, piping connecting the intake side of said pump with each of said tank sections and with said distribution piping, piping connecting the outlet side of said pump with each of said tank sections and with said distribution piping, and valves in said pipings selectively controlling the pumping of paint from the bottom of any tank section to the distribution piping, from the distribution piping to any tank section and from any tank section to any other tank section.

2,462,369
BEAD THERMISTOR
Frederick H. Drake, Boonton, and Paul B. King, Jr., Mountain Lakes, N. J., assignors to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application October 16, 1946, Serial No. 702,878
14 Claims. (Cl. 201—63)



1. A mounted thermistor comprising a wave guide tube closed at one end and having coupling means at the other end, said tube having alined openings in opposite walls thereof, cover members secured over said openings and each having a quarter-wavelength pocket extending outwardly from the inner surface of the tube wall to which it is secured, wires extending through said cover members axially of said pockets with their adjacent inner ends positioned symmetrically with respect to the axis of the wave guide tube, a thermistor secured to said wires with the bead thereof positioned substantially centrally of the gap between the adjacent inner ends of the wires, means sealing the outer ends of each wire in its supporting cover member, said sealing means insulating one wire from its cover member.

2,462,370
OSCILLATOR TUBE MOUNTING
Frederick H. Drake, Boonton, N. J., assignor to Aircraft Radio Corporation, Boonton, N. J., a corporation of New Jersey
Application October 17, 1946, Serial No. 703,868
14 Claims. (Cl. 178—44)



1. A mounting for a microwave oscillator tube of the type having a flanged top beneath which

there is a wave guide output element of rectangular cross-section, and said top being provided with alinement means; said mounting comprising a shell with an open end, a cover and means for

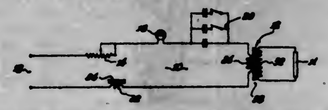
end, means supported on said plate and including inlet valve means and outlet valve means for controlling the flow of fuel through said plate and means sealing said plate to said annular inner

intercept a reflected beam of X-radiation, and means to collimate said reflected beam of X-radia-

port said web during printing, a stencil-screen-carrying frame mounted on said bed and movable to lift said screen out of contact with said web, a squeegee blade to force said color through

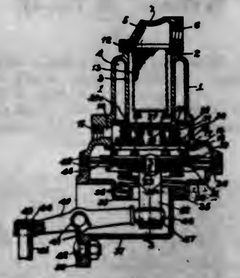
there is a wave guide output element of rectangular cross-section, and said top being provided with alinement means; said mounting comprising a shell with an open end, a cover and means for detachably securing the same upon the open end of said shell, a wave guide tube of rectangular cross-section rigidly secured to said cover, said cover having a passage therethrough of rectangular cross-section forming an extension of the passage of said tube, the inner face of said cover being recessed to receive the flanged top of an oscillator tube, means at the inner face of said cover to engage the alinement means of a tube top to aline the oscillator tube output element with the passage of said cover, a tube socket within said shell, and means supporting said tube socket for limited angular movement.

2,462,271
CONTROL APPARATUS FOR PERIODICALLY ENERGIZING GASEOUS DISCHARGE DEVICES
Homer A. Engle, Los Angeles, Calif.
Application March 19, 1947, Serial No. 735,689
10 Claims. (Cl. 315—276)



1. In combination: a transformer having a primary winding and a secondary winding arranged on a ferromagnetic core; a resonant circuit having an input adapted for connection to a source of A. C. potentials, said resonant circuit including said primary winding and a condenser; a thermally variable impedance means operatively connected with said primary winding for varying the inductance thereof whereby the current in the primary winding is modulated at a pulsation frequency lower than the frequency of said A. C. potentials; and a load circuit connected across said secondary winding and periodically energized at the pulsation frequency by the voltage induced therein from the primary winding.

2,462,272
PUMP
Charles A. Erickson, Dearborn, Mich., assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan
Application June 14, 1944, Serial No. 540,217
12 Claims. (Cl. 103—150)



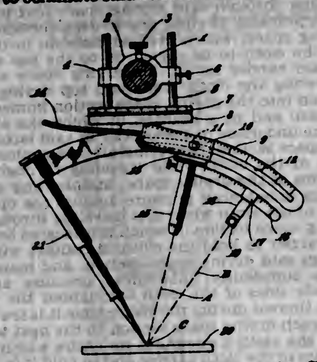
12. A fuel pump comprising a casing having an annular outer wall and an annular inner wall forming chambers one within the other, a valve plate extending across the outer chamber at one end, means supported on said plate and including inlet valve means and outlet valve means for controlling the flow of fuel through said plate and means sealing said plate to said annular inner wall between said inlet valve means and said outlet valve means to prevent the flow of fuel between said chambers except through said valve means, a pump diaphragm extending across said casing below the plate for alternately reducing and increasing the fuel pressure below the plate, said casing including means closing the chambers at their ends opposite the valve plate, said casing having an annular downwardly presenting surface extending outwardly from the lower end of said outer wall, said valve plate having a cylindrical portion telescopically received in the lower end of said annular outer wall and an outwardly extending flange portion registering with said annular surface on said casing, and annular sealing means between said plate and said casing.

2,462,273
JOINING AND REGISTERING DEVICE FOR MOLDING BOXES
Bernard Faure, Neuilly-sur-Seine, France
Application April 19, 1945, Serial No. 589,105
In France May 31, 1944
3 Claims. (Cl. 22—110)

1. In an assembly of plural moulding boxes or the like, each of substantial depth, registering means for said boxes comprising lugs thereon of lengths approximating the depths of their related boxes and having longitudinal bores of substantially similar diameters, and a helical spring extending coaxially into the said bores; the said lugs, when said boxes are assembled, having adjacent end portions in such close proximity to each other and the coils of said spring being at such pitch that at least two diametrically opposed circumferential points of a single coil of said spring, said single coil is in intimate lateral abutting relationship with both said adjacent end portions of the said lugs whereby to restrict the said lugs and their related boxes against material lateral relative movement.

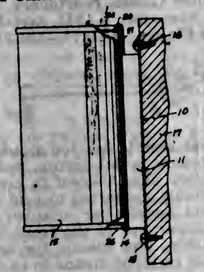
2,462,274
STRESS ANALYSIS BY X-RAY DIFFRACTION
Francis George Firth, New York, N. Y., assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y., a corporation of Delaware
Application October 4, 1944, Serial No. 557,163
12 Claims. (Cl. 250—83.6)

1. Apparatus for stress analysis by X-ray diffraction, comprising an X-ray tube for generating a beam of X-radiation, means to collimate said generated beam of X-radiation into a sharply defined beam of X-radiation, an arc-shaped track arranged for rotary displacement relative to said X-ray tube around an axis defined by the collimated beam of X-radiation, a Geiger-Mueller tube movable along said track and arranged to intercept a reflected beam of X-radiation, and means to collimate said reflected beam of X-radia-



tion before it is intercepted by said Geiger-Mueller tube.

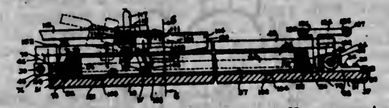
2,462,275
ARTICLE HOLDER
Bartholomew R. Flaherty, Shelton, Conn., assignor to Industrial Metal Products Laboratory, Ansonia, Conn., a partnership
Application October 6, 1945, Serial No. 620,779
3 Claims. (Cl. 248—309)



1. A holder of the character described comprising a flat strip of sheet metal including spaced side portions bent forwardly and then toward each other to form a tubular body adapted to be mounted in an upright position on a support, the lower edge of the front wall being provided with an outwardly and upwardly curved bend to form a seat for the lower edge of an article, a slide mounted in the body provided at its upper end with an outwardly and downwardly curved bend to engage over the upper edge of the article seated in the lower bend, and a coiled spring in the body connected to the body and the slide and tending to shift the slide downwardly to retain its bend over the upper edge of the article.

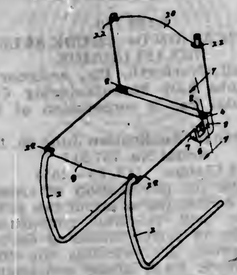
2,462,276
SQUEEGEE SUPPORTING AND GUIDING STRUCTURE
Harry Fleisher, Watertown, Conn., and George H. Tillett, New York, N. Y., assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y., a corporation of New York
Application November 7, 1946, Serial No. 364,694
3 Claims. (Cl. 101—123)

1. In an apparatus for printing color patterns repeatedly upon an elongated web, a bed to support said web during printing, a stencil-screen-carrying frame mounted on said bed and movable to lift said screen out of contact with said web, a squeegee blade to force said color through said screen upon said web, an elongated operating handle connected to said squeegee, a pair of tracks mounted on said frame, a pair of guide



members of inverted U-shape pivotally connected to said squeegee, and embracing said tracks but normally out of contact therewith, whereby the entire weight of said squeegee and handle will be effective to press said squeegee upon said screen, and weight supporting means carried by the squeegee adapted to receive weights whereby additional pressure may be exerted upon said screen.

2,462,277
MODERNISTIC SPRING METAL FOLDING CHAIR
Van Quill Flinn, Waynesburg, Ky.
Application October 24, 1946, Serial No. 705,263
4 Claims. (Cl. 155—148)



1. In a folding chair, a pair of rearwardly opening U-shaped supports formed from tubular spring metal, the rear end of the upper leg of each support being flattened, a forked member pivotally connected to the flattened end of each support, a threaded bolt fixed to the member, a yoke threadedly receiving the bolt, a back post connected to the yoke, and a metal seat having hollow rounded edges rotatably receiving the upper legs of the supports.

2,462,278
NONSKID TIRE CHAIN
Filbert G. Fox, Doylestown, Pa.
Application February 14, 1947, Serial No. 728,613
2 Claims. (Cl. 152—213)

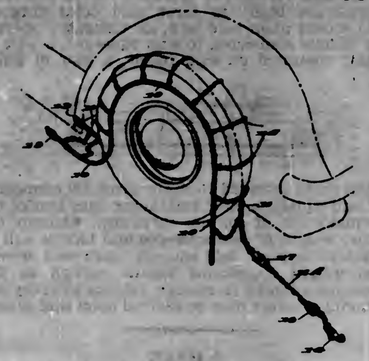
1. An anti-skid tire chain for easy mounting upon the tire of a vehicle wheel comprising a side chain, an enlarged ring carried at one end of said chain, a chain of greater length than said side chain and having an enlarged ring secured at its end adjacent said first mentioned ring and a clamp secured at its other end, a plurality of spaced anti-skid cross members connecting links of said chains at substantially equal distances from said rings to adjacent the other end of said side chain, the remaining free portion of the longer chain having one portion thereof adapted to pass along one side of a tire and be connected to said ring on the longer chain, an intermediate portion

thereof adapted to pass across the tire and be connected to said ring on the side chain to form an additional anti-skid member substantially par-

and having a cloth carrier presenting transverse bars connected in endless chain formation extending through said drying space and presenting a plurality of pins, one in each section of the

by vaporization of the product in said separation zone regulating the amount of vaporization so that sufficient reaction mixture remains in the liquid state to act as a solvent for the hydro-

thereof adapted to pass across the tire and be connected to said ring on the side chain to form an additional anti-skid member substantially par-

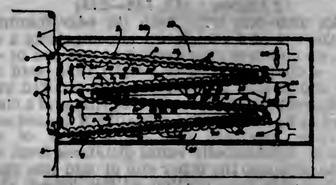


allel to the first-named anti-skid cross members, and an end portion adapted to pass along a side of the tire and be connected to the other end portion of said side chain by said end clamp.

2,462,379
PURIFICATION OF CRUDE SULFUR HEXAFLUORIDE
John F. Gall, Narberth, Pa., assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application June 28, 1947, Serial No. 757,917
8 Claims. (Cl. 23—205)

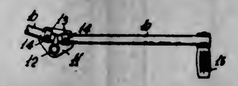
6. A process for purification of crude sulfur hexafluoride containing as impurities at least one water-soluble acid reacting constituent and lower fluorides of sulfur including SF_4, which process comprises first washing the crude gas with an aqueous wash liquor containing from about 30 to 35% by weight of KOH, thereafter heating the gas thus washed to a temperature within the range of about 275 to 325° C., thereafter again washing the gas with an aqueous wash liquor containing from about 30 to 35% by weight of KOH, and drying the gas from the last wash step.

2,462,380
METHOD AND APPARATUS FOR DRYING WEB MATERIAL
Arthur G. Gautreau, Quincy, Mass., assignor to Andrews & Goodrich, Inc., Dorchester, Mass., a corporation of Massachusetts
Application January 5, 1946, Serial No. 639,323
3 Claims. (Cl. 34—24)



1. The method of drying cloth in an apparatus comprising an elongated drying space formed in connecting sections arranged one above another and having a cloth carrier presenting transverse bars connected in endless chain formation extending through said drying space and presenting a plurality of runs, one in each section of the drying space, which method consists in delivering the cloth to be dried on to the top surface of said carrier in the top drying space section, delivering the cloth from said top drying space section into the drying space section immediately beneath and in a position in which the cloth is on the underside of the carrier in said latter drying space section, delivering air jets against both sides of the cloth while traveling through both sections of the drying space, maintaining a sufficiently unbalanced pressure against the opposite sides of the cloth while it is traveling through the drying space section in which it is located beneath the carrier to hold the cloth in contact with the bars in said drying space section, and maintaining a sufficiently unbalanced pressure against opposite sides of the cloth throughout the entire width thereof during the entire time it is traveling from each drying space section to the next to separate the cloth throughout its entire width from the bars of the cloth carrier and to hold it in a free floating condition free from said bars until it enters said next drying space section, whereby the cloth will be delivered in a slack condition to the carrier at the entry end of each drying space section.

2,462,381
SPRING HANDLE BAR FOR MOTORCYCLES AND THE LIKE
Antoine Gasda, Providence, R. I.
Application November 1, 1945, Serial No. 626,058
5 Claims. (Cl. 74—551.2)

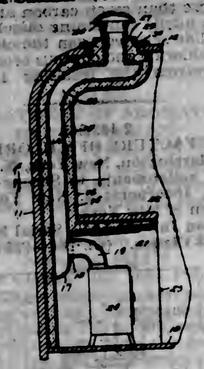


1. A resilient handle bar for motor cycles and the like comprising a flat spring, resilient means arranged on two sides thereof in contact therewith and yieldably connected to said sides, holder means for said handle bar adapted for attachment to the upper end of the front wheel shank of a motor cycle, and means for securing said spring and said resilient means to each other and to said holder means.

2,462,382
TURNBUCKLE
Paul G. Gleason, Van Nuys, Calif.
Application December 7, 1945, Serial No. 633,238
15 Claims. (Cl. 287—60)

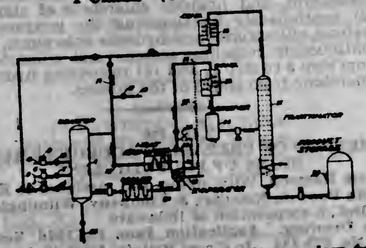
3. A turnbuckle structure comprising two similar bodies, each of said bodies carrying an arm having an end portion which is offset laterally opposite to the arm of the other, and a connecting link one end of which is pivotally related to the offset end portion of one of said arms in a permanent manner, the opposite end of said link carrying a hook for detachable pivotal connection with the offset end portion of the other of said arms wherein the two similar bodies are rendered completely separable from each other.

2,462,383
TRAILER CHIMNEY
Lester C. Goodwin, Harvard, M. Y.
Application September 13, 1944, Serial No. 553,821
2 Claims. (Cl. 126—56)



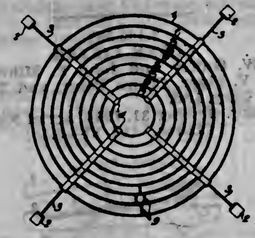
1. A trailer chimney adapted for conveying the products of combustion from a heater located within a trailer to the exterior of the trailer, said chimney including spaced inner and outer walls and a filling of insulating material disposed therebetween for retaining the walls in properly spaced relationship relatively to one another, said chimney being fixedly attached to the interior of walls of the trailer throughout substantially its entire length, and a hood forming an integral extension of at least one wall of the chimney and adapted to be disposed over the heater.

2,462,384
RECOVERY OF PRODUCTS OF HYDROCARBON CONVERSION REACTIONS
Manuel H. Gerin and Will Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application November 13, 1945, Serial No. 628,296
1 Claim. (Cl. 260—683.4)



That the method of conducting a low temperature hydrocarbon conversion reaction in which at least one reactant is a hydrocarbon, which comprises conducting the reaction in a reaction zone in the presence of at least one liquid hydrocarbon, said liquid hydrocarbon having dissolved therein a hydrocarbon soluble compound that is a catalyst for the desired reaction, withdrawing liquid reaction mixture containing reactant, product and dissolved catalyst from said reaction zone, feeding the withdrawn reaction mixture to a separation zone, producing a phase difference between catalyst and product by vaporization of the product in said separation zone regulating the amount of vaporization so that sufficient reaction mixture remains in the liquid state to act as a solvent for the hydrocarbon soluble catalyst, separating the product containing vapor from the liquid catalyst containing material, compressing the product vapor to a pressure at which at least some of the vapor will condense under the temperature conditions in the separation zone, passing the compressed vapor in heat exchange relation with the material in the separation zone, whereby at least some of the vapor is condensed and its heat of condensation is available to aid in the vaporization, and recycling the catalyst containing phase to the reaction zone for admixture with and use in the conversion of fresh reactant.

2,462,385
CONSTRUCTION OF STRUCTURAL MEMBERS
Douglas Harold Green, London, England
Application April 1, 1946, Serial No. 658,688
In Great Britain April 4, 1945
9 Claims. (Cl. 72—109)



1. Means for supporting building structure, comprising a series of load supporting torsion elements, being constructed as an independent unit of closed geometrical form, said elements being arranged concentrically in relation to one another and having depth in an axial direction to impart the required torsional rigidity and linkage members connecting adjacent members to maintain them in spaced relationship to one another, said linkage members being constructed to operate in tension and substantially without any beam action.

2,462,386
TOOL ASSEMBLY
Harry M. Griffin, Webster Groves, Mo., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application April 18, 1945, Serial No. 587,836
10 Claims. (Cl. 77—55)

1. A quick change tool chuck assembly, comprising a housing, an opening in one end of said housing arranged to permit the projection of a tool therefrom, a tool holder slidably and rotatably disposed in said housing and with one end thereof adjacent to the opposite end of said housing, a clutch member on said end of said tool holder, a first stop member fixedly disposed in said housing and serving to limit the sliding movement of said tool holder in the direction of its said end, a second stop member disposed on said tool holder adjacent its said end, a bearing assembly slidably and rotatably disposed between said tool holder and said housing and limited in its travel towards said end of the tool holder by said second stop mem-

ber, and spring means within the housing between said first stop member and said bearing

lected from the group consisting of the dichloro and dibromo addition products of 1,3-butadiene with an alkali metal cyanide in a liquid organic nitrile free from aliphatic unsaturation and con-

of said persulfate, and continuing the reaction until absorption of the ethylene substantially ceases, the aqueous dispersion directly obtained by said process containing as the sole agent ef-

form a coil thereabout, traverse means shiftable to guide said wire while being deposited on said support, reversible drive means for said traverse means whereby said traverse means is moved

ber, and spring means within the housing between said first stop member and said bearing

assembly serving to urge said tool holder in the direction of its said end.

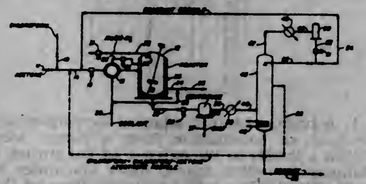
2,462,287
COVER LIFTER
Wayne W. Guffey and John P. Mihelic, Gary, Henry V. Piper, Crown Point, and Thor Engstrom, Gary, Ind.
Application October 21, 1944, Serial No. 561,224
3 Claims. (Cl. 81—3.46)

1. A cover lifter comprising a base member of extensive area adapted to fit within the top of a cover of a type having an upstanding rim, the top edge of which is outturned, said base member having an abutment projecting upwardly from one edge thereof, said abutment being disposed generally at right angles to the base member and conforming generally to a segment of the edge of the cover to be lifted, said base member extending from said abutment to a point near the diametrically opposite edge of said cover, a lever pivoted intermediate its length to the upper side of the base member for movement in a plane at right angles to the base member, the end of said lever adjacent the abutment carrying a clamping member pivoted thereto for movement in the plane of movement of the lever, the outer end of the clamping member being formed in the shape of a generally downwardly extending pointed hook, said hook being inturned toward and cooperating with the abutment when the latter is positioned adjacent the inner edge of the cover to grip the upper portion of the cover edge between the hook and the abutment.

2,462,288
PREPARATION OF 1,4-DICYANO-2-BUTENE
Glenn F. Hager, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 13, 1947, Serial No. 728,382
11 Claims. (Cl. 260—465.8)

1. A process for preparing 1,4-dicyano-2-butene which comprises reacting a member selected from the group consisting of the dichloro and dibromo addition products of 1,3-butadiene with an alkali metal cyanide in a liquid organic nitrile free from aliphatic unsaturation and consisting solely of nitrile nitrogen, hydrogen atoms and not more than seven carbon atoms, said liquid organic nitrile containing dissolved therein a cuprous halide selected from the class consisting of cuprous chloride and cuprous bromide, and isolating therefrom the resulting 1,4-dicyano-2-butene.

2,462,289
MANUFACTURE OF CHLORETONE
George A. Harrington, New York, N. Y., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1946, Serial No. 686,878
8 Claims. (Cl. 260—633)



1. The continuous process for the manufacture of hydrous chloretone from acetone, chloroform, and water which comprises the steps of (1) continuously reacting in a conversion zone at a temperature within the range of from about +10° C. to about −40° C. a mixture of acetone and chloroform containing from about 3.0 to about 8.0 mols of acetone per mol of chloroform in the presence of a quantity of aqueous solution of a catalyst consisting of an hydroxide of a metal of the left-hand series of group I of the periodic table sufficient to provide from about 0.01 mol to about 0.10 mol of said hydroxide per mol of chloroform in said mixture to form a reaction mixture comprising hydrous chloretone, unreacted acetone, unreacted chloroform, and metallic chloride suspended therein, (2) continuously separating said metallic chloride from the mixture of acetone, chloroform, and hydrous chloretone of step 1, (3) continuously fractionating the mixture of acetone, chloroform, and hydrous chloretone, (4) continuously recycling acetone and chloroform from step 3 to step 1, and (5) recovering hydrous chloretone from step 3 of the process.

2,462,290
METHOD OF PREPARING AQUEOUS EMULSIONS OF POLYETHYLENE
Jesse Harmon, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1946, Serial No. 675,833. In Great Britain April 25, 1946
4 Claims. (Cl. 260—29.6)

1. A process for polymerizing ethylene in aqueous medium and directly obtaining the resulting ethylene polymer in the form of a stable dispersion in the aqueous medium, said process comprising subjecting ethylene as the sole polymerizable constituent to polymerizing temperature and a pressure of from 200 to 1000 atmospheres in intimate contact with a buffered aqueous solution of an alkali persulfate having a pH between 7.5 and 11 and containing from 3% to 20%, based on the weight of the water present, of said persulfate, and continuing the reaction until absorption of the ethylene substantially ceases, the aqueous dispersion directly obtained by said process containing as the sole agent effecting the stabilization of said dispersion the surface active agent formed in situ during polymerization of the ethylene in contact with said aqueous solution of persulfate.

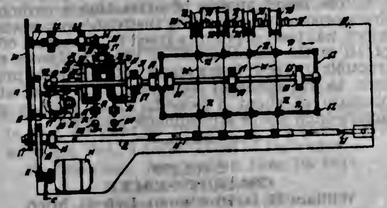
2,462,291
TREATMENT OF AROMATIC HYDROCARBONS
Howard D. Hartough, Pitman, N. J., Alvin I. Kosak, Columbus, Ohio, and Ebenezer E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application January 23, 1946, Serial No. 642,978
20 Claims. (Cl. 260—674)

1. A method for removing thiophenic contaminant from an aromatic hydrocarbon containing the same, comprising the addition thereto of an acylating agent selected from the group consisting of acyl halides and anhydrides of carboxylic acids and a porous, adsorptive silica-zirconia catalyst, reacting the resulting mixture to effect acylation of said thiophenic contaminant and thereafter distilling to yield said hydrocarbon free of said contaminant.

2,462,292
FLUID PUMP
Charles F. Hautau, Huntington Woods, Mich., assignor, by mesne assignments, to Appliance Development Company, Oak Park, Mich., a corporation of Michigan
Application September 9, 1946, Serial No. 695,750
12 Claims. (Cl. 230—130)

1. A fan comprising a circular plate formed with a plurality of tear drop shape recesses formed therein, each of said recesses having inclined side walls along the widest section, the inclination of the side walls gradually being reduced as the width of the recess is reduced.

2,462,293
COIL-WINDING MACHINE
Nathan M. Haynes, New York, N. Y.
Application May 4, 1945, Serial No. 591,872
11 Claims. (Cl. 242—9)



1. A coil winding machine comprising a rotatable support for a coil to be wound, drive means for said support, a wire supply, means to deposit wire from said supply to said support so as to form a coil thereabout, traverse means shiftable to guide said wire while being deposited on said support, reversible drive means for said traverse means whereby said traverse means is moved back and forth to produce superimposed coil layers, said reversible drive means comprising a pinion gear and a pair of bevel gears oppositely driven by said pinion gear, a screw shaft, each of said bevel gears being rotatable around and free of said screw shaft, a pair of electro-magnetic disks, each of said electro-magnetic disks being secured to one of said bevel gears so as to be rotatable therewith, a pair of clutch disks keyed to said screw shaft, each of said clutch disks being mutually separated by and facing said electro-magnetic disks so as to be in respective operative relation thereto, an electrical contact ring rotatable with each of said electro-magnetic disks and adapted to transmit electric potential for energizing its associated electro-magnetic disk, a brush member bearing against each said contact ring for supplying said potential thereto, means to energize each electro-magnetic disk alternately according to the dimensions of the coil to be formed whereby said shaft is driven alternately in opposite directions, and means to translate said alternate movements of said shaft into said back and forth movements of said traverse means.

2,462,294
DISPENSING MECHANISM
Sidney J. Heiman, St. Louis, Mo.
Application February 12, 1945, Serial No. 577,419
1 Claim. (Cl. 312—48)

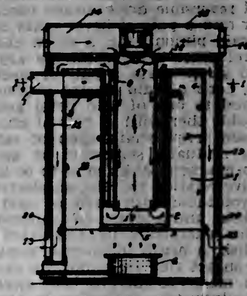
In a dispenser for bottles, a magazine having an upper portion for storing a plurality of bottles in direct interengagement substantially horizontally one above the other and having an open end through which the bottles may drop, said magazine having a lower portion with a bottle-delivery opening spaced below said aforesaid open end, a rotary control member between said open end and delivery opening to carry bottles therebetween to the latter and comprising a substantially S-shaped member provided with a pair of diametrically spaced circumferentially extending oppositely directed bottle-receiving jaws in which said bottles may seat, there being bottle-engaging cam surfaces leading from the exterior of one jaw to the under side of the other jaw to define said S-shape, the outer periphery of said carrier member receding gradually toward the rotational axis of the member from adjacent each jaw toward its tip, and with the tips of the jaws extending circumferentially beyond the bottle seats of the jaws, whereby the stored bottles will be lifted slightly and then lowered as they are actuated from below by said carrier member, and whereby when the bottom bottle in the magazine falls through said open end of the upper portion it is spaced from the throat of the adjacent jaw and is subsequently engaged by the latter and carried to said delivery opening.

2,462,295
CONCENTRIC SHELL HOT-AIR HEATER
Sidney J. Heiman, St. Louis, Mo.
Application February 12, 1945, Serial No. 577,420
1 Claim. (Cl. 312—48)

In a heater, a pair of spaced apart heat-exchange members each comprising a pair of spaced apart frames, a plurality of wires extending between the frame of each pair along one edge and the other frame along its opposite edge, a plurality of wire bending elements including parallel spaced arcuate portions adapted to serve as seats for conduits, reinforcing webs joining the top and bottom walls in the area adjacent the

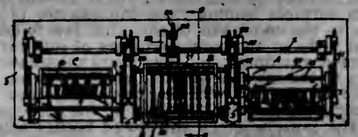
a polyvalent metal halide Friedel-Crafts catalyst under autogenous pressure at a temperature between 0° and 180° C.

2,462,208
CONCENTRIC SHELL HOT-AIR HEATER
Sidney J. Heisman, St. Louis, Mo.
Application April 11, 1945, Serial No. 587,630
1 Claim. (Cl. 126—126)

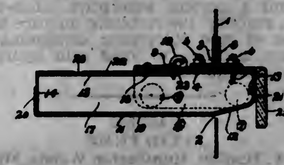


In a heater construction for discharging heated air into a room at substantially floor level, concentrically spaced upright inner and outer walls, a closure across the tops of said walls, and a closure across the bottom of said inner upright wall to thereby provide a combustion chamber enclosed by said upright walls and top and bottom closures, a pair of shells concentrically positioned relative to said upright walls, one of said shells being exteriorly of and spaced from said outer upright wall and the other shell being interiorly of the inner upright wall, said last-mentioned shell having an open lower end terminating above said bottom closure, said outer shell having a cold air inlet thereinto, and the space within said outer upright wall having a hot air outlet therefrom, means for entraining air from said one shell downwardly into said inner shell so that the same will travel in reversed directions in sequence along the inner and outer side of the innermost shell and in a direction then reversed from the last-mentioned of said reversed directions along the outer wall of said outer upright wall, and an upright heat-conducting corrugated element arranged between said innermost shell and the adjacent wall surface of the inner of the upright walls and carried by the latter and entirely spaced from the innermost shell and having passages through which said air is guided therepast, said corrugated element engaging only said adjacent wall entirely above the bottom of the innermost shell to conduct heat directly to the air flowing in contact therewith.

2,462,296
WIRE STRAIGHTENER
Richard D. Heller, Tujunga, Calif.
Application May 10, 1946, Serial No. 668,789
9 Claims. (Cl. 140—148)



5. A wire straightener comprising a plurality of pairs of marginal frames, the frames of each pair being disposed side by side in parallel planes, and the frames of each other pair being disposed similarly, but in planes at an angle to the planes of all other pairs, means pivotally mounting one frame of each pair along one edge and the other frame along its opposite edge, a plurality of wire bending elements including parallel pintles arranged transversely of the pivot means in each frame, the wire bending elements in the group of one frame of each pair alternating with those of the group carried by the other frame, all said wire bending elements in one pair of frames being arranged to define a sinuous path in a common plane transverse to the planes of the frames, and the several pairs of frames being aligned in such manner that their wire bending elements define a path generally aligned throughout, but sinuous in planes varying with the relative angularity of the respective pairs of frames, and means engaged with the swinging edge of each frame, and movable to shift all said frames simultaneously towards or from the pivoted edge of the paired frame.

2,462,397
ASH RECEIVER
Cornelius Hendricks, Grand Rapids, Mich., assignor to Applied Arts Corporation, Grand Rapids, Mich., a corporation of Michigan
Application August 26, 1944, Serial No. 551,465
3 Claims. (Cl. 45—77)

1. A device of the class described comprising, a drawer, a bottomless support comprising a top horizontal member and two vertical side members embracing the upper part of said drawer and entirely out of contact therewith, track means on the sides of said drawer near the upper part thereof having opposite inclined surfaces, rollers on the vertical members of said support traversably engaging said track surfaces and spring pressed means coacting between the drawer and support acting to thrust the rollers and track surfaces into engagement.

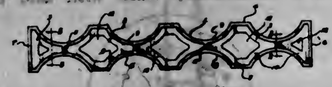
2,462,398
IRISH MOSS EXTRACT AND ITS PRODUCTION
Mattie P. Hess, Maywood, and Arthur E. Siehrs, Chicago, Ill., assignors, by mesne assignments, to Krim-Ko Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application March 1, 1945, Serial No. 580,402
5 Claims. (Cl. 99—142)

4. The novel process of extracting a carbohydrate product by subjecting the Irish moss residue, which has been previously freed from at least 80% of all of the constituents of the Irish moss extractible by fresh hot water at atmospheric pressure, to the action of supersaturated steam at a pressure of about 5 pounds to 50 pounds per square-inch above atmospheric pressure.

2,462,399
CONDUIT SPACER
William H. D. Hinchman, Detroit, Mich.
Application September 16, 1944, Serial No. 554,513
1 Claim. (Cl. 248—49)

In a spacer for conduits comprising a closed frame member having top and bottom walls with

exposed arcuate portions adapted to serve as seats for conduits, reinforcing webs joining the top and bottom walls in the area adjacent the mid-section of the opposed arcuate portions, said webs extending in a plane perpendicular to the plane of the top and bottom walls and extending throughout the inner periphery of said frame, the webs separating in the area of the top and bottom walls adjacent the ends of the arcuate seats whereby openings are provided through the spacer in the area between the mid-sections of the arcuate portions.



2,462,400
COPOLYMERS OF DIHYDRODICYCLOPENTADIENYL METHACRYLATE WITH ESTERS OF METHACRYLIC ACID
Fred W. Hoover, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 17, 1946, Serial No. 684,253
3 Claims. (Cl. 260—84)

1. A copolymer containing from 20 to 50% of dihydrodicyclopentadienyl methacrylate and from 80 to 50% of an ester of methacrylic acid with a saturated aliphatic monohydric alcohol having from 8 to 18 carbon atoms.

2,462,401
METHOD OF KNITTING
Elvira Johnson, Martinez, Calif.
No Drawing. Application April 24, 1947, Serial No. 743,723
1 Claim. (Cl. 66—171)

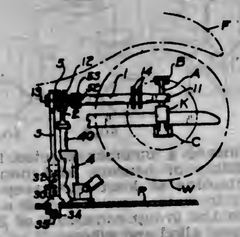
The method of knitting a sweater or the like including a pocket knitted simultaneously therewith, consisting of knitting several rows of a portion of the garment in one layer, then knitting a row to a point where the pocket is to be formed, when reaching said point double knitting to form the closed bottom of the pocket, knitting two separate layers to form a pocket which pocket is knitted at its side edges to the first mentioned layer, continuing the knitting of the two said layers until the pocket is fully formed and an opening for a pocket provided, and thus forming the fully formed pocket on the exterior of the garment which is closed at its bottom and knitted to the garment at its sides and is open at its top and continuing the knitting of the rows constituting the first mentioned layer of the garment until the same is completed.

2,462,402
FLUORINATED HYDROCARBONS
Robert M. Joyce, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1945, Serial No. 602,683
2 Claims. (Cl. 260—653)

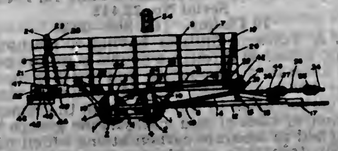
1. A process which comprises contacting tetrafluoroethylene with a polyhalogenated methane containing at least one chlorine atom and no more than two fluorine atoms in the presence of a polyvalent metal halide Friedel-Crafts catalyst under autogenous pressure at a temperature between 0° and 150° C.

8. The chemical compound, 1,3-dichloro-1,2,2,3-pentafluoropropane boiling at 51-53° C. (n_D^{30}, 1.3262; d_4^{30}, 1.5492).

2,462,403
CAMBER ADJUSTING TOOL
Homer V. Jungst, Seattle, Wash.; Mary J. Jungst executrix of said Homer V. Jungst, deceased
Application August 6, 1945, Serial No. 609,177
13 Claims. (Cl. 153—32)



1. Means for adjusting wheel camber, comprising a torque bar slotted inwardly from one end to straddle the spindle support arm, and when so engaged extending generally horizontally in a forward and rearward direction, means to retain the distant end of said torque bar against displacement, and a lever arm connected by one end to said bar outwardly of its torque axis, thence extending beneath and fulcrumed by said torque bar, for engagement of its opposite end by an upwardly acting jack to produce a bending torque in said torque bar, at the engaged spindle support arm.

2,462,404
TRACTOR TRAILER
George B. Kahres and Martin H. Kahres, Lansing, Mich.
Application December 26, 1945, Serial No. 637,150
2 Claims. (Cl. 214—83.18)

1. A tractor trailer comprising in combination, a box body, said body having a continuous plate bottom, a wear take-up frame adjusting the taut of the said bottom said body provided with pivotal vertically arranged closures at the ends of the body, side chains provided with sprockets and axles carried by the said body, a power take off at the end of the said body constructed and arranged to take power from a tractor, the said power take off being provided with sprocket and chain connection devices whereby the said chains are operated, and the said side chains having spaced transverse angle irons arranged to sweep the said plate bottom of the said body and clear the said plate of chopped hay thereon, said body having supporting wheels and axles.

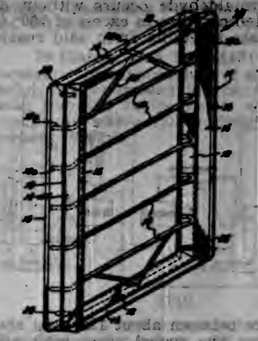
2,462,405
BUILDING CONSTRUCTIONS
Joseph S. Nagel, Santa Ana, Calif.
Application May 10, 1946, Serial No. 668,788
4 Claims. (Cl. 52—309)

discharge tubes each having at least an anode, a cathode and two control grids, means for apply-

ward end, the body having two air passages terminating in the flat annular surface with outlets spaced circumferentially apart but at points

sages extending in one direction for conducting a first fluid that is above ambient temperature and having a second set of generally flat parallel pas-

2,462,413
BUILDING CONSTRUCTION
Joseph S. Nagel, Santa Ana, Calif.
Application November 30, 1944, Serial No. 566,262
10 Claims. (Cl. 72—169)



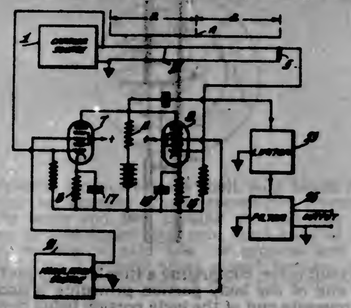
1. A building unit of the character described comprising a cementitious body, a non-cementitious marginal member bonded to said body and doubled inwardly thereof to form an elongated recess, a reinforcing member embedded in the body and extending through one side of the doubled portion of the marginal member into the recess to tie said marginal member to the body, and a locking member received within said recess and secured to said reinforcing member therein.

2,462,416
CAN OPENER
Arthur E. Nelson, University City, Mo.
Application June 23, 1945, Serial No. 601,263
4 Claims. (Cl. 30—9)

3. In a can opener, a frame, a drive shaft mounted thereon, a first gear on the drive shaft, a feed disc on the drive shaft, a bracket movably mounted on the frame, a shaft on the bracket extending downward at an angle toward the drive shaft axis, a hub on the angularly extending shaft, a cutter wheel on the hub to rotate therewith, a flange on the hub, a second gear on the hub mounted for axial movement, a spring urging the gear downward on the hub toward the flange, and means for moving the bracket to bring the gears into mesh, said second gear and the hub being shaped to provide limited relative movement between the gear and the hub.

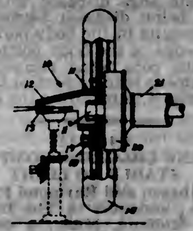
2,462,417
PHASE MODULATION SYSTEM
Lowell E. Norton, Princeton Junction, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1945, Serial No. 619,690
2 Claims. (Cl. 332—24)

1. A phase modulation system including a carrier source of nominally constant frequency but subject to undesired variations, a pair of electron discharge tubes each having at least an anode, a cathode and two control grids, means for applying the output of said carrier source directly to the first control grid of the first of said tubes, and means applying the output of said carrier source with a delay time which is substantially independent of said variations in frequency of said carrier source to the corresponding control



grid of the other of said tubes, a source of modulation voltage, means for applying said modulation voltage to the second control grids of both of said tubes in push pull, a common load impedance connected to the anodes of both of said tubes in parallel, a voltage limiter connected to said load impedance, and filter means connected to the output circuit of said voltage limiter.

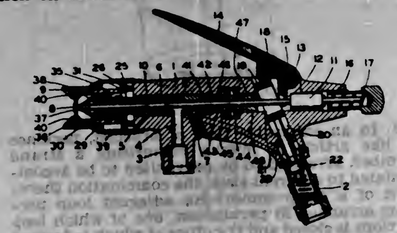
2,462,418
JACK ACCESSORY
Albert H. Peglow, Milwaukee, Wis.
Application December 9, 1944, Serial No. 567,411
2 Claims. (Cl. 254—128)



2. A device of the character described comprising a hollow body open at one end and having an extended tapered portion at the other end, said tapered portion having a flat horizontal face extending inwardly toward the open end of said body, adapted to be engaged by a jack device, said face being positioned above the center of said open end, said hollow body further having an integral right angularly disposed member, said member being provided with an aperture positioned so as to align with the lowermost stud of a vehicle wheel for securement thereto.

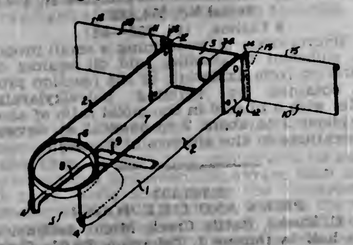
2,462,419
SPRAY GUN
Donald J. Peops, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application January 23, 1943, Serial No. 4,761
2 Claims. (Cl. 299—146.1)

1. In a spray gun of the type described, a spray gun body with a flat annular surface at its forward end, the body having two air passages terminating in the flat annular surface with outlets spaced circumferentially apart but at points radially equidistant from the longitudinal axis of the body, an air dividing ring having a rearwardly extending generally cylindrical collar fitting against the flat annular surface of the body, an outwardly extending offset portion on one side of the collar overlying the outlet opening of one of said passages, an inwardly extending indentation on another side of the collar overlying the



outlet opening of the other air passage, whereby air from the first mentioned air passage is directed within the collar and air from the second mentioned air passage is directed to the outside of the collar, a spray nozzle mounted in front of the air dividing ring, with a central air discharge port and laterally positioned air discharge ports, and means directing air from the center of the ring to the central port and air from the outside of the ring to the laterally positioned ports.

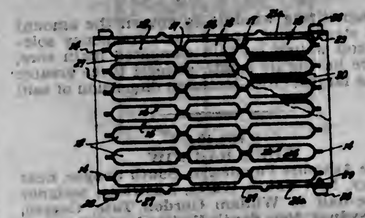
2,462,420
PRACTICE DEVICE FOR GOLF PUTTING
William Pinder, Peterborough, England
Application April 6, 1944, Serial No. 530,759
In Great Britain April 28, 1945
3 Claims. (Cl. 273—35)



1. A device for practicing golf putting, comprising a box-like receptacle having a floor, upstanding rear and side walls and an open top, an opening at the front end, a ring representing the "hole" in the "green" supported by the side walls and positioned adjacent the front opening, said floor being cut away throughout the area beneath said ring.

2,462,421
CROSSFLOW HEAT EXCHANGER
Paul A. Pitt, San Diego, Calif., assignor to Solar Aircraft Company, San Diego, Calif., a corporation of California
Application October 26, 1944, Serial No. 560,249
5 Claims. (Cl. 257—245)

1. In a heat exchanger of the cross-flow type having a first set of generally flat parallel passages extending in one direction for conducting a first fluid that is above ambient temperature and having a second set of generally flat parallel passages interleaved with the first set and extending in a direction substantially at right angles to said one direction for conducting a second, cooler, fluid, the construction comprising: a plurality of generally flat sheets in generally parallel spaced relation with successive pairs of sheets joined directly together along one pair of opposite edges and defining flat conduit units constituting the sole essential structure forming said first set of passages, and the adjacent sheets of each adja-



cent pair of said conduit units being joined directly together along their other pairs of opposite edges for defining all of the interior passages of said second set of passages; auxiliary casing walls parallel and in outwardly spaced relation to the outermost of said sheets for defining therewith the outermost passages of said second set of passages; and baffle means extending across said outermost passages at one end thereof for restricting the velocity of flow of said second cooler fluid through said outermost passages more than through the interior passages of said second set to reduce the temperature differential of said outer sheets relative to the remaining sheets.

2,462,422
PROCESS FOR POLYMERIZING VINYL HALIDES
Louis Plambeck, Jr., Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 17, 1942, Serial No. 458,787
8 Claims. (Cl. 260—78.5)

1. A process for polymerizing a vinyl halide in an aqueous dispersion which comprises dispersing said halide in an aqueous medium containing from .1% to 10%, based on the amount of monomer present, of a dissolved salt of perdisulfuric acid and sodium bisulfite, in an amount within the range of .001% to 5% of the amount of vinyl halide present, and then maintaining said dispersion at a temperature ranging from 0° C. to 100° C. until polymerization occurs.

2,462,423
FERROMAGNETIC VARIABLE HIGH-FREQUENCY INDUCTOR
Wladimir J. Polydoroff, Glencoe, Ill.
Application September 27, 1944, Serial No. 556,062
In Canada July 15, 1944
8 Claims. (Cl. 171—242)

1. A high frequency variable inductor comprising a high frequency substantially closed magnetic circuit having an elongated main core portion and high frequency ferromagnetic closing sections, a high permeability yoke made of magnetic material of low-coercivity, a magnetizing

winding surrounding said yoke; the ends of said yoke embracing said ferromagnetic core to enable the passage of steady flux through said entire core in one direction while by-passing said

2,462,425
ARTICLE OF JEWELRY AND CLASP THEREFOR
Irwin Pratt, Brooklyn, and Wolf Raynard

angularly bent to provide a terminal prong adapted to be driven into the outer end of the handle and the inner end of the bar adapted

last mentioned frame having openings formed therein for the reception of the post rods, scaffold bracing means between the corner posts and the frames, and means for connecting some of

winding surrounding said yoke; the ends of said yoke embracing said ferromagnetic core to enable the passage of steady flux through said entire core in one direction while by-passing said winding and said yoke for high frequency flux and control means to supply direct current into

said magnetising winding to govern the amount of said steady flux, and a high frequency solenoidal coil wound on said elongated main core, said core having its length at least twice greater than the largest cross-sectional dimension of said core.

2,462,424
WHEELBARROW
Ranville Ashmore Popplewell, South Coogee, near Sydney, New South Wales, Australia, assignor of one-half to William Gordon Tate, Coogee, near Sydney, New South Wales, Australia
Application September 23, 1946, Serial No. 698,851
In Australia October 16, 1945
12 Claims. (Cl. 298—3)

1. A wheelbarrow comprising a frame and a container, said frame comprising two laterally spaced longitudinal members, a handle secured to the rear end of each member, an axle mounted between said members adjacent the front end thereof, a wheel on said axle, a leg secured to each member between said handle and said wheel and axle, means for detachably and pivotally connecting a container to said frame at one end of said container and for detachably connecting said container to said frame at the other end of said container so as to permit limited pivotal movement of said container about said pivotal connection, said connecting means being secured to said frame substantially between said handles and said wheel and axle, an angle iron member secured along each longitudinal edge of the base of said container, an open ended slot in the front end of the vertical leg of said angle iron member and in the rear end of the upper leg of said angle iron member, said pivotal securing means comprising a substantially horizontal pin secured to each frame member between said leg and said wheel and adjacent said wheel, said pin engaging said slot at the front end of said angle iron member, said means for connecting said container to said frame so as to permit limited pivotal movement of said container about said pivotal connection comprising a bolt passing through a hole in each said frame member and said handle adjacent the rear end of said angle iron member and located in said slot at the rear end of said angle iron member with its head uppermost, stop means on the lower end of said bolt to retain said bolt in said hole and an upturned corner of the upper leg of said angle iron member to retain said bolt in said slot.

2,462,425
ARTICLE OF JEWELRY AND CLASP THEREFOR
Irwin Prati, Brooklyn, and Wolf Raynard Wellman, Jackson Heights, N. Y.
Application April 22, 1944, Serial No. 532,196
8 Claims. (Cl. 63—3)

1. In an extensible type of bracelet, necklace or like article of jewelry comprising a strand member, arranged to be convoluted to be accommodated to different sizes, the combination therewith of a clasp comprising adjacent loop portions arranged in parallelism, one of which loop portions is closed and the other of which is formed from the body and has a branch directed over the same with an end extended substantially radially thereof, pivot means on said end hingedly mounting a disengageable locking element, cooperating with the body of the clasp to form the second loop, the locking element in the detached position forming an open sided loop for lateral attachment of the clasp to any portion of the strand member.

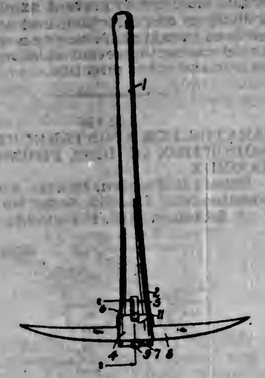
2,462,426
PREPARATION OF POLYALKYLBENZYL PHENOLS
Orland M. Reiff, Woodbury, and Howard D. Hartough, Pitman, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application September 14, 1944, Serial No. 554,163
8 Claims. (Cl. 252—52)

1. Hydrocarbon oil containing a small proportion, sufficient to stabilize said oil against deterioration from oxidation, of the reaction product obtained by reacting polyalkylaralkyl halides with a phenol in the molal ratio of about 1 to about 2 to about 2 to about 1 at elevated temperatures in the absence of a solvent.

2,462,427
PICKS AND LIKE TOOLS
John C. Roche, Battle Creek, Mich., assignor of one-half to Doreme J. Zahanien, Battle Creek, Mich.
Application August 23, 1945, Serial No. 611,960
2 Claims. (Cl. 206—32)

1. In a fastener for tool heads, a handle having an inwardly tapered tool head-engaging end substantially ovate in cross-section providing flattened sides, one of the flattened sides having a relatively wide groove therein with a flat bottom wall, a tool head having an inwardly tapering socket of a shape in cross-section to mate with the tapering end of said handle, the groove being of greater length than the length of the tool head socket, and a fastener for anchoring the tool head on the handle including a bar rectangular in cross-section of substantially the same width of the groove and of a thickness greater than the depth of the groove to provide wedging engagement between the tool head and handle, the outer end of the bar being reversely

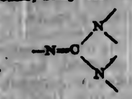
angularly bent to provide a terminal prong adapted to be driven into the outer end of the handle and the inner end of the bar adapted



to be bent away from the handle and into U-shape for overlying the flattened side wall of the tool head.

2,462,428
PROCESS OF DYEING GLASS FIBERS
Hans Reesti, Basel, Switzerland, assignor to Ciba Limited, Basel, Switzerland, a Swiss firm
No Drawing. Application August 29, 1944, Serial No. 551,774. In Switzerland October 29, 1943
4 Claims. (Cl. 8—8)

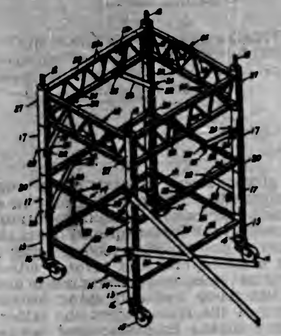
1. A process of dyeing artificial fibrous material made of glass which as such has no affinity for dyestuffs, which comprises treating the said fibrous material with unhardened soluble products produced by the interaction of formaldehyde and a compound which contains not more than six hydrogen atoms, only one atom grouping



is not of cyclic character and which consists of elements the atomic weight of which is not greater than 16 and which contains in its molecule in relation to carbon less oxygen than urea, and then, while maintaining the unhardened character of the said products, treating the material with a water-soluble organic dyestuff which contains at least one sulfonic acid group.

2,462,429
SCAFFOLD
Milton Sachs, New York, N. Y.
Application August 30, 1945, Serial No. 613,481
2 Claims. (Cl. 304—2)

1. A pair of scaffold structures, each structure comprising a plurality of corner posts, said posts each comprising a tubular member open at one end, a rod extending outwardly of said tubular member at the opposite end, a second like number of similar corner posts mounted on said rods, a frame below the first-mentioned corner posts, said frame comprising interconnected hollow corner hubs in alinement with the corner posts, a caster extending through the hubs of said frame into each of the first-mentioned corner posts, a frame above the first-mentioned corner posts, the last mentioned frame having openings formed therein for the reception of the post rods, scaffold bracing means between the corner posts and the frames, and means for connecting some of the corner posts of one structure, to corner posts



of the other structure said means comprising crossed members, vertically disposed tubes at each end of said members for engagement with a pair of post rods of one of the structures and with a pair of posts on the other of said structures.

2,462,430
SULFUR-CONTAINING POLYAMIDES
Allan K. Schneider, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 30, 1943, Serial No. 516,283
6 Claims. (Cl. 260—72)

1. A process for obtaining sulfur-containing polyamides which comprises reacting a polymer selected from the group consisting of N-methylol polycarbonamides and N-alkoxymethyl polycarbonamides with a thiol in the presence of an acid catalyst, the average number of carbon atoms in the segments of the chain separating the amide groups in said polycarbonamides being at least two, and the nitrogen in said amide groups being an integral part of the polymer chain.

2,462,431
ARTICLE SUPPORTING RACK
Max Stefan Schneider, Chicago, Ill.
Application July 24, 1946, Serial No. 686,025
7 Claims. (Cl. 211—113)

2. An article-supporting rack comprising an elongated principal support of rectangular cross section having a plurality of longitudinally spaced-apart inverted L-shaped slots, one leg of the slot being transversely disposed and opening at one edge of said support, and the other leg being disposed longitudinally of said support, and a plurality of transversely extending elongated members each adapted for engagement in a slot, each member including a pair of L-shaped clips secured thereto by one leg, the other leg of each clip being respectively adapted to abut opposed parallel faces of said support.

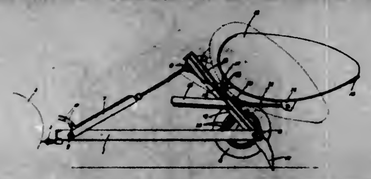
2,462,432
POWER SCOOP
Thornton S. Scribner, Nevada City, Calif.
Application September 8, 1945, Serial No. 615,210
7 Claims. (Cl. 37—4)

ing portion, a shaft rotatably mounted in said bearing portion having a threaded end engaging said threaded recess and a portion bearing against said shoulder to prevent axial movement of said shaft in one direction, and an adjusting member fixed to said shaft having a shoulder en-

ing a plurality of recesses therein, each recess being bounded by an upwardly facing shoulder on said lower section; a ball in each of said recesses projecting from the undersurface of said lower section; a removably mounted bearing race separate from said sections engaging each shoulder;

with said core; and slidable means carried by said supporting structure and movable in one direction for compressing said coil and in the opposite direction for distending the same for varying the tension thereof.

2,462,433
POWER SCOOP
Thornton S. Serfliner, Nevada City, Calif.
Application September 8, 1945, Serial No. 615,210
7 Claims. (Cl. 37—4)



6. A power scoop comprising a supporting frame, means to position such frame in a downwardly and rearwardly inclining position, a carriage mounted for travel up and down said support when so positioned, a scoop having an open end and a closed end and pivoted adjacent its closed end to the carriage, the carriage and closed end of the scoop normally lying adjacent the upper end of the frame when the latter is elevated, and means interconnected between the frame and the scoop at points intermediate the carriage and open end of the scoop and operable to push such open end of the scoop outwardly and upwardly relative to the frame.

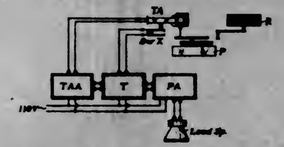
2,462,432
PREPARATION OF ORGANIC THIOCYANATES AND ISOTHIOCYANATES
Norman E. Searle, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 15, 1946, Serial No. 670,027
16 Claims. (Cl. 260—454)

1. A process of preparing organic thiocyanates and isothiocyanates which comprises reacting together an organic halide having a relative reactivity of at least 0.5 in comparison with n-butyl chloride as 1.0 and selected from the class consisting of organic chlorides, bromides and iodides, an alkali metal cyanide, and an excess of sulfur over that stoichiometrically required by said alkali metal cyanide in an oxygenated organic solvent selected from the class consisting of the lower aliphatic alcohols having from 1 to 5 carbon atoms and aliphatic ketones having from 3 to 7 carbon atoms, and isolating therefrom a member of the class consisting of organic thiocyanates and isothiocyanates.

2,462,434
WINDOW LOCKING DEVICE
Bayard P. Sparks, St. James, N. Y.
Application April 26, 1946, Serial No. 665,221
2 Claims. (Cl. 292—155)

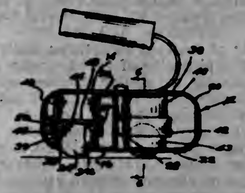
2. A locking device for window sashes comprising a tubular casing having a recess therein and a smaller diameter bearing portion, said recess and bearing portion being in alignment, an abutment shoulder between said recess and said bearing portion, a plunger member slidably and nonrotatably mounted in said recess and having an internally threaded recess coaxial with said bearing portion, a shaft rotatably mounted in said bearing portion having a threaded end engaging said threaded recess and a portion bearing against said shoulder to prevent axial movement of said shaft in one direction, and an adjusting member fixed to said shaft having a shoulder engaging said casing to prevent axial movement of said shaft in the other direction.

2,462,435
APPARATUS FOR UNINTERRUPTED REPRODUCTION OF DISK PHONOGRAPH RECORDS
Robert E. Stanton, Denver, Colo.
Application May 15, 1945, Serial No. 593,817
5 Claims. (Cl. 179—100.4)



1. A mechanism for playing records in sequence, comprising; means for rotating a record at a predetermined constant speed, an electric pickup operatively associated with a record adapted to be carried by the record rotating means, a sound recording device operatively connected with the electric pickup, means translating the sound recordings into an electric current having amplitude and frequency characteristics corresponding to the recorded sound, an electrodynamic loud speaker, means transmitting current from the translating means to the loud speaker including an electronic amplifier, said sound recording device including recording means, an element upon which the recording means records the sound, the recording means and translating means being relatively movable with respect to said element, the rate of relative movement of the recording means being greater than that of the translating means whereby a predetermined rate of decrease in the tempo of the sound emitted by the loud speaker relative to that of the record is effected, to obtain a time lag, and the loud speaker as a result of said decrease in tempo will continue functioning a sufficient time after the electric pickup and recording means become inoperative, to provide sufficient time to change to another record of the sequence.

2,462,436
CURLING STONE
Robert G. Stewart, Los Angeles, Calif., assignor to Curlette, Inc., Los Angeles, Calif., a corporation of California
Application June 17, 1946, Serial No. 677,241
2 Claims. (Cl. 273—128)

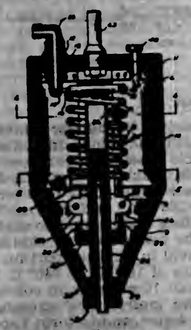


1. In a curling stone: a body comprising upper and lower mating sections; the lower section having a plurality of recesses therein, each recess being bounded by an upwardly facing shoulder on said lower section; a ball in each of said recesses projecting from the undersurface of said lower section; a removably mounted bearing race separate from said sections engaging each shoulder; bearing balls within said race and engageable with said race and ball; and means on said upper body section engaging the upper ends of said races for clamping and holding them downwardly against said shoulders.

2,462,437
ARTIFICIAL FISH BAIT
Olaf Tallaksen, Chicago, Ill.
Application March 3, 1947, Serial No. 732,050
5 Claims. (Cl. 43—39)

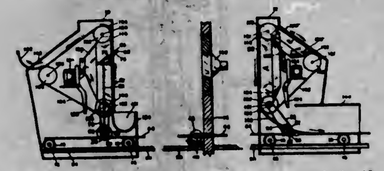
1. In a fishing lure, a body member having an eye intermediate the ends thereof, and a slot adjacent an end thereof, a hook extending through the slot and provided with an eye at one end of its shank secured to the first eye, and a guard of resilient material having an eye at one end freely pivoted on the eye of the body and a conical formation at its opposite end adapted to be maintained in a guard relation with the pointed end of the hook, whereby when a fish bites on the hook and pushes the guard out of its engaged relation with the point, the guard will become deformed from its original shape and will move to a position on the body where the cone shape portion thereof will contact an edge portion of the body of the lure, said conical formation having an inner wall surface thereof in only single point gravity urged supporting contact on the hook.

2,462,438
TAP EXTRACTOR
Donald Thomas, Detroit, Mich., assignor to Clinton Machine Company, Clinton, Mich., a corporation of Michigan
Application June 13, 1945, Serial No. 599,213
7 Claims. (Cl. 172—126)



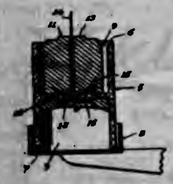
2. In a solenoid, an electric winding of resilient material wound to provide a coil spring; a supporting structure connected to said winding adjacent one end; a core slidably mounted in said winding and movable in one direction upon the energizing of said coil, the opposite end of said coil being connected to and movable in unison with said core; and slidable means carried by said supporting structure and movable in one direction for compressing said coil and in the opposite direction for distending the same for varying the tension thereof.

2,462,439
CONTINUOUS PROCESS CAMERA
Lawrence Thompson, Richmond Hill, N. Y.
Application March 28, 1946, Serial No. 657,664
1 Claim. (Cl. 271—45)



In an apparatus of the character set forth, a pair of continuous chains, sprockets over which the chains are trained, spaced bars carried by the chains and extended between the chains, plates pivotally secured to the bars and positioned to close the areas between the bars in certain sections of the path of travel of the chains and adapted to drop downwardly to open said areas between the bars in other sections of travel of the chains, an endless curtain of porous material supported and conveyed by said spaced bars, said chains, bars and curtain traveling in a substantially triangular shaped endless path with part of said path vertically positioned, a pan having an open side facing and adjacent to the inner side of the vertical portion of the curtain, another pan adjacent to the inner side of an upper sloping portion of the curtain, said plates pivoted to open in the areas which are adjacent to the pans, and suction means within the pans to cause air to travel inwardly through said vertical and sloping portions of the curtain and between the plates so as to hold an article against the outer side of the curtain in said areas.

2,462,440
CANDLE HOLDER
Thomas W. Tierney, Watertown, Mass.
Application October 22, 1947, Serial No. 781,346
4 Claims. (Cl. 67—21)



1. A candle holder comprising a body including a pair of opposite ends, either of which constitutes a support for the holder, said body having a recess in each end so that whichever end serves as a support, the recess in the other end is disposed upwardly, and a partition member in said body separating said recesses with its upper surface available to support a candle in the upwardly opening recess, said partition being of thermally conductive stock so that the heat of a burning candle is available to soften any residue of a burnt-out candle adhering to the lower surface of said partition so that such residue drops therefrom.

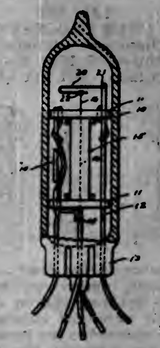
2,462,441
VACUUM TUBE WITH FILAMENTARY CATHODE
John A. Victoreen, Cleveland, Ohio
Application February 13, 1947, Serial No. 728,169
3 Claims. (Cl. 250—27.5)

2,462,442
TRANSMISSION LINE SYSTEM
Robert S. Wehner, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 7, 1946, Serial No. 639,606
4 Claims. (Cl. 343—17)

to the introduction of fresh maleic acid, distilling said last mentioned portion of the solution to vaporize solvent and leave maleic anhydride as residue, condensing the solvent vapors, and returning the condensate to the cycle.

squeegee having wiping contact with the screen as said printing means is swung to an inclined printing position, said squeegee having a pivotally hung wiping element adapted to swing to an inclined wiping position, a pendulously hung weight adapted to swing away from said wiping element and hang in a vertical position by force

2,462,441
VACUUM TUBE WITH FILAMENTARY CATHODE
John A. Victoreen, Cleveland, Ohio
Application February 15, 1947, Serial No. 728,169
3 Claims. (Cl. 250—27.5)

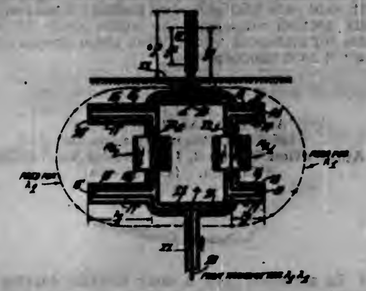


1. A miniature tube for control purposes including an evacuated envelope, electrodes disposed in the envelope and including at least an anode and an electron emitting cathode, said cathode being capable of stable operation with changes in heating potential and comprising a single short wire of under three-quarters of an inch in length and between .0008 and .0004 inch in diameter, means to support said filament comprising a lead in wire extending through a press in said envelope and a support extending spaced from the filament, spring means on the end of the support connected to said other end of the filament to hold it taut, said filament being formed of an alloy of nickel, chromium and cobalt in such proportions as to provide a high specific resistance and low temperature resistance coefficient and low thermal conductivity.

2,462,442
BRANCH HOLDER
Raymond C. Wallace, East Providence, R. I.
Application June 28, 1946, Serial No. 680,009
2 Claims. (Cl. 248—42)

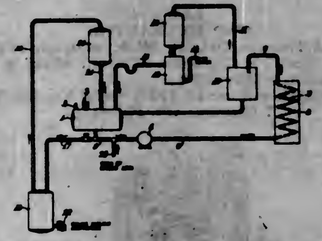
1. A branch holder for a tree comprising a bracket formed of angularly arranged arms each having a recess with flaring walls to receive a circular object therein and means to secure one of said arms of the bracket to a tree trunk and means to secure a branch to the other arm of the bracket, said first and second securing means each comprising a strap to embrace a portion of the tree, said strap passing through a slot in its arm.

2,462,443
TRANSMISSION LINE SYSTEM
Robert S. Wolmer, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 7, 1946, Serial No. 639,606
4 Claims. (Cl. 250—17)



3. An antenna feed line system for operation at two frequencies including a branched reentrant transmission line from a source of energy at said frequencies to a single antenna, each branch of said transmission line including means presenting a high impedance to a different one of said frequencies, each branch also including a series matching section, each of said matching sections serving to match the impedances in each branch for the frequency which it is to pass.

2,462,444
PRODUCTION OF MALEIC ANHYDRIDE FROM MALEIC ACID
John M. Weiss, New York, N. Y.
Application July 29, 1943, Serial No. 41,295
4 Claims. (Cl. 260—342.6)

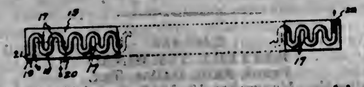


1. The process of producing maleic anhydride from maleic acid and which includes circulating in a closed cycle a solution composed essentially of a solvent comprising an aromatic hydrocarbon liquid having a boiling point between about 130° C. and about 160° C., and 20% to 70% maleic anhydride, adding maleic acid to said solution at one point in the cycle, heating said solution and added maleic acid in another portion of the cycle to a temperature of 160° C. to 240° C. for a period of not more than 15 minutes to convert substantially all of the maleic acid present to maleic anhydride and water, and to form vapors of water and a portion of the solvent, discharging said vapors from the cycle, condensing said vapors, separating water from the condensed solvent and discharging the water from the system, returning said solvent to the cycle, withdrawing a portion of said solution from the cycle at a point beyond the point of vapor discharge and prior to the introduction of fresh maleic acid, distilling said last mentioned portion of the solution to vaporize solvent and leave maleic anhydride as residue, condensing the solvent vapors, and returning the condensate to the cycle.

2,462,445
AIRTIGHT LID FOR CONTAINERS
Hugo Weiss, London, England
Application September 21, 1945, Serial No. 618,430
In Great Britain September 26, 1944
10 Claims. (Cl. 215—54)

1. A closure for the mouth of a container, said closure comprising a flexible sealing ring, pressure means providing inner and outer pressure members between which said flexible sealing ring is located, tightening means including a post upstanding from the inner pressure member and relatively adjustable in opposite directions to compress said pressure members upon said sealing ring to expand the same radially or alternatively to relax the pressure on the sealing ring, said upstanding post being provided with a vent passage therethrough, and sealing means movable by said tightening means positively to seal or to unseal said vent passage upon adjustment of said tightening means to compress or to relax the pressure, respectively, on said sealing ring.

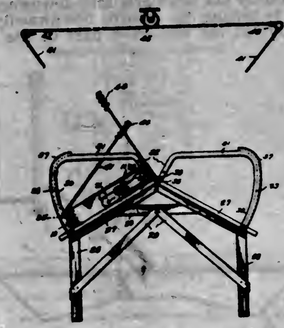
2,462,446
BUILT-IN CIRCUITOUS SMOKE PASSAGE
Starnes R. Wellborn, Nashville, Tenn.
Application January 19, 1945, Serial No. 573,553
1 Claim. (Cl. 131—11)



An article of the class described comprising a strip of material having a plurality of parallel transverse passageways extending in a direction from one side edge of the strip toward the opposite side edge and terminating short of said side edges, the ends of the passageways having alternate connections near said side edges to provide a serpentine, continuous, smoke conveying channel of greater length than the length of the strip, said smoke conveying channel having a smoke inlet at one end and at one side of the strip and having a smoke exit at the opposite end and upon the opposite side, said strip being adapted to assume the form of a roll constituting a cylindrical body, the parallel passageways of said smoke conveying channel thereof extending in a direction substantially perpendicular to the base of the formed cylindrical body.

2,462,447
SILK-SCREEN PRINTING APPARATUS
Starnes Robert Wellborn, Nashville, Tenn.
Application May 17, 1946, Serial No. 670,468
10 Claims. (Cl. 101—123)

4. A machine of the class described comprising an inclined bed plate, a printing means mounted to swing into and out of an inclined printing position relative to said bed plate, a screen carried by the printing means, a gravity propelled squeegee having wiping contact with the screen as said printing means is swung to an inclined printing position, said squeegee having a pivotally hung wiping element adapted to swing to an inclined wiping position, a pendulously hung weight adapted to swing away from said wiping element and hang in a vertical position by force of gravity as said squeegee moves longitudinally of said printing means, means at one end of said trackway for guiding said squeegee to a position out of contact with said screen, and means communicating with the last mentioned means for guiding the squeegee to a screen contacting position when said printing means is swung from an inclined printing position.



2,462,448
METHOD FOR THE CATALYTIC PRODUCTION OF OXO-CARBONYL COMPOUNDS
Gerald M. Whitman, Claymont, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 5, 1946, Serial No. 695,939
13 Claims. (Cl. 260—599)

1. A process for the preparation of an oxo-carbonyl compound which comprises reacting an olefinic unsaturated compound under superatmospheric pressure and at a temperature of at least 100° C. with a mixture of carbon monoxide and hydrogen in the presence of a metal from group II of the periodic table of elements having an atomic number from 12 to 30.

2,462,449
PREPARATION OF GROWTH PROMOTING SUBSTANCES
Roger J. Williams, Corvallis, Oreg., assignor to Research Corporation, New York, N. Y., a corporation of New York
No Drawing. Application April 3, 1939, Serial No. 265,799
5 Claims. (Cl. 260—534)

2. The method of synthesizing pantothenic acid which comprises directly combining a lower alkyl ester of β-alanine with α-hydroxy-β,β-dimethyl-γ-butyro lactone.

2,462,450
SCOOP AND SIPHON FOR WATER-COOLING SYSTEMS
John Harrison Wilson, Bay Shore, N. Y.
Application July 12, 1945, Serial No. 604,701
6 Claims. (Cl. 115—0.5)

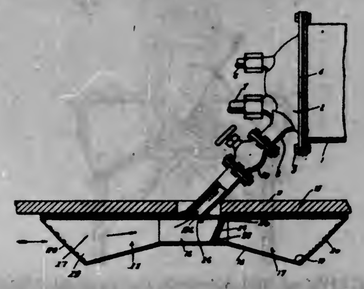
1. The combination of a boat having a hull and a scoop for conducting water and syphoning water into and out of the hull of the boat, comprising a hollow, elongated scoop body to be attached to the hull of the boat and having a fluid connection interiorly of the boat, said scoop body having a restricted central portion, outwardly and oppositely flaring end portions leading from the central portion to opposed mouths, the walls of

2,462,451
VARIABLE GAIN AMPLIFIER
Lester R. Yates, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 12, 1945, Serial No. 582,225
4 Claims. (Cl. 179—171)

2,462,454
TRAIN CARRIED CAB SIGNAL APPARATUS
Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale Pa., a corporation of Pennsylvania
Application April 9, 1947, Serial No. 740,311
4 Claims. (Cl. 246—63)

stantially equal to the diameter of said external annular portion at which the driving relationship

water into and out of the hull of the boat, comprising a hollow, elongated scoop body to be attached to the hull of the boat and having a fluid connection interiorly of the boat, said scoop body having a restricted central portion, outwardly and oppositely flaring and portions leading from the central portion to opposed mouths, the walls of the scoop body cut angularly and downwardly at the ends to incline the mouths downwardly, and a flap valve in the restricted part of the scoop

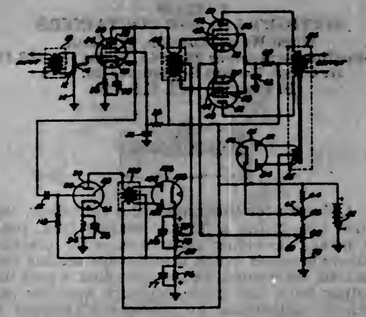


to one side of the connection into the boat positioned to be moved to closed position by movement of water in one direction when the scoop is used to introduce water into the boat, and to be moved to an open position by movement of water in the opposite direction through the scoop to provide an unrestricted passage for water through the scoop past the connection into the boat to provide a syphoning effect to withdraw water from the boat.

2,462,451
DYNAMOELECTRIC MACHINE
Martin P. Winther, Waukegan, Ill., assignor to Martin P. Winther, as trustee
Application August 12, 1946, Serial No. 689,878
6 Claims. (Cl. 172—126)

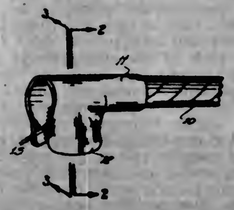
5. A dynamoelectric machine comprising a stator having endwise bearings, a rotor having endwise trunnions in said bearings, said stator and rotor forming a magnetic gap therebetween, spaced conical surfaces on the stator and the rotor adjacent said bearings forming a centrifugal liquid-pumping gap between the stator and the rotor, a liquid circulating system, said stator having liquid inlet and outlet passages connected with said circulating system for circulation of liquid through the magnetic gap, said bearings having liquid inlets and outlets also connected with said circulating system and also having outlets connected with the space between the conical surfaces, whereby at least some of the liquid is centrifugally pumped by the rotor from the bearings to join the liquid circulating through the magnetic gap.

2,462,452
VARIABLE GAIN AMPLIFIER
Lester R. Yates, Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 12, 1945, Serial No. 582,225
4 Claims. (Cl. 179—171)



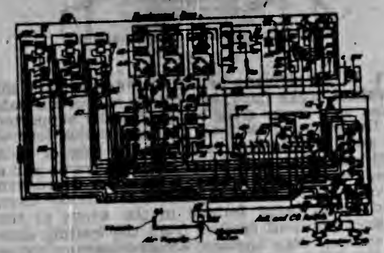
2. In a signal amplifying channel a variable gain electric discharge device, a first rectifying circuit, means amplifying energy from a portion of said channel preceding said device and applying it to said rectifying circuit, said rectifying circuit being connected to said device in a manner such that flow of current therethrough increases the gain of said device, a second rectifying circuit responsive to the output energy of said device, means applying a biasing potential to said second rectifying circuit, and a circuit coupling said second rectifying circuit to said amplifying means and to said device in a manner such that flow of current through said second rectifying circuit decreases the gain of both said amplifying means and said device.

2,462,453
BATTERY TERMINAL
Frank Akin, Dallas, Tex.
Application November 19, 1945, Serial No. 629,449
1 Claim. (Cl. 173—259)



In a battery cable clamp, the combination comprising a sheet of spring metal shaped to form complementary and oppositely arcuated wing portions and define laterally contractible jaws adapted to clampingly receive the post of a battery, said clamp relying upon its own inherent resiliency to retain itself on said post; the confronting concave faces of said jaws being serrated to bite into said battery post to prevent upward movement of the clamp thereon, while readily permitting downward movement thereon, and a ferrule formed integral with and disposed at right angles to the longitudinal axis of said jaws and longitudinally split to receive an end of a battery cable.

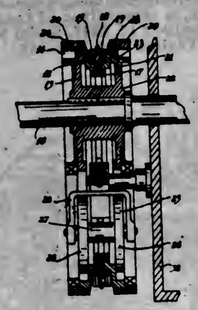
2,462,454
TRAIN CARRIED CAB SIGNAL APPARATUS
Leslie R. Allison, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale Pa., a corporation of Pennsylvania
Application April 9, 1947, Serial No. 740,311
4 Claims. (Cl. 246—63)



1. In train carried cab signal apparatus for use with track circuit current coded at a first, a second and a third code rate for operating a train carried code following relay at a code rate corresponding to the code rate of the track circuit current, a decoding transformer connected to said code following relay to create an alternating voltage of a frequency corresponding to the code rate at which the relay is operated; a first, a second and a third decoding unit connected in multiple to said transformer; each said decoding unit including capacitance and inductance to tune the first, second and third units to resonance at the frequency of said alternating voltages for the first, second and third code rates, respectively; a first, a second and a third decoding relay connected to said first, second and third decoding unit, respectively, to effectively energize the first, second and third decoding relays in response to the first, second and third code rate, respectively; an alternative circuit including a current source and a front contact of said first decoding relay connected to the second decoding relay to energize the second decoding relay, and another alternative circuit including a current source, a back contact of said first decoding relay and a front contact of said second decoding relay connected to said third decoding relay to energize the third decoding relay.

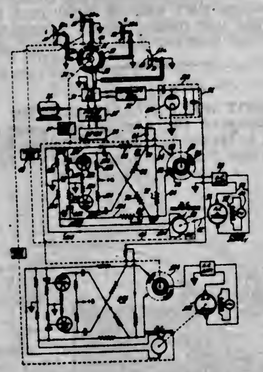
2,462,455
ANNULAR FLOATING TOOTHED GEARING
Benson George Willis Bartlett, Darlington, England, assignor of one-half to Northern Patent Developments, Limited, Darlington, England, a company of Great Britain and Northern Ireland
Application August 9, 1945, Serial No. 609,757
In Great Britain August 12, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires August 12, 1963
7 Claims. (Cl. 74—413)

1. Gearing comprising a pinion, a drive-transmission member, and a floating ring for transmitting driving movement between said pinion and member, the said floating ring having an internal toothed gear in driving-coacting relationship with said pinion and an external annular portion in driving-coacting relationship with said drive-transmission member, and the pitch diameter of said internal toothed gear being substantially equal to the diameter of said external annular portion at which the driving relationship



is effective between the latter and said drive-transmission member.

2,462,456
ANTIHUNT SERVOMOTOR CONTROL SYSTEM
Alda V. Bedford, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 14, 1945, Serial No. 588,276
7 Claims. (Cl. 318—18)



1. A servo motor system for following a pilot, comprising a load, a motor for driving said load, means associated with said load for generating a first A.-C. signal having alternate lobes, the relative amplitude of said lobes being a measure of the displacement of the load from said pilot, means responsive to operation of said motor under control of said signal for generating a first D.-C. signal proportional to a function of said displacement, commutating means synchronous with the alternation of said lobes for alternately reversing the polarity of said first D.-C. signal whereby to produce a second A.-C. signal, means for combining said first A.-C. signal and said second A.-C. signal, means for driving said motor under control of said combined A.-C. signal.

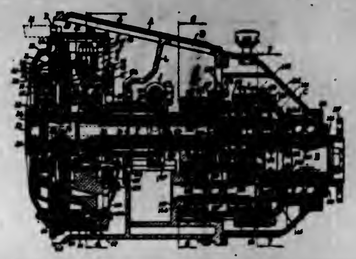
2,462,457
MULTIPLE-CLUTCH MECHANISM
John O. Berndtson, Short Beach, Conn., assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn., a corporation of Connecticut
Application January 15, 1944, Serial No. 518,326
23 Claims. (Cl. 192—48)

2,462,459
AIR RESISTANT BRAKE FLAP
Charles A. Bigelow, Houston, Tex.
Application November 19, 1945, Serial No. 627,835
2 Claims. (Cl. 244—113)

of the bottle, said ledge embodying an endless screw-threaded depending neck, and a jar clos-

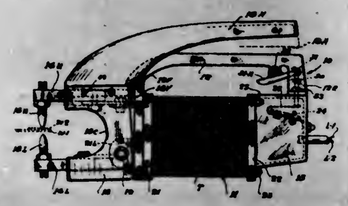
2,462,464
IRONING CORD RETRACTOR
Ernest J. Brier, Los Angeles, and Walter G. McCue, Downey, Calif.
Application March 23, 1946, Serial No. 656,657
1 Claim. (Cl. 248—51)

2,462,457
MULTIPLE-CLUTCH MECHANISM
John O. Bernstson, Short Beach, Conn., assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn., a corporation of Connecticut
Application January 15, 1944, Serial No. 518,326
23 Claims. (Cl. 192—48)



1. In a transmission mechanism, the combination of concentric shafts each carrying rigid therewith a friction member, a driving member, friction clutch parts movable axially within said driving member and movable axially relatively to each other and adapted to clamp between them either of said friction members, resilient means normally holding said clutch parts in a predetermined relative axial position, and resilient means normally holding said clutch parts and said driving member in a predetermined relative axial position, said clutch parts comprising an outer enclosing part and an inner part enclosed thereby, said last named means connecting said engine-driven member with said outer part.

2,462,458
SPOT WELDING APPARATUS
Marshall Beymer, Chicago, Ill., assignor of one-half to Henry L. Sweitz, Chicago, Ill.
Application July 14, 1948, Serial No. 38,620
4 Claims. (Cl. 219—4)

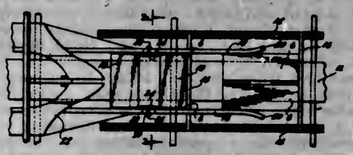


1. In a portable spot welding apparatus, an elongated body including a transformer, a lifting handle extending along the top of said body for lifting the same, an upper electrode extended in a fixed relation from one end of said body, a lower electrode movably mounted on said body below and in operative alignment with said upper electrode, energizing connections from said transformer to said electrodes, and an electrode clamping handle movably mounted on said body and disposed above said lifting handle, said lower electrode being mounted on said clamping handle for movement thereby.

2,462,459
AIR RESISTANT BRAKE FLAP
Charles A. Bigelow, Houston, Tex.
Application November 10, 1945, Serial No. 627,825
2 Claims. (Cl. 244—113)

1. In an airplane of the monoplane class, air resistant brake flaps; lever arms supporting said flaps, said brake flaps being pivotally supported in the wings of said air craft; a radius formed in each of said lever arms at the base of each said brake flap, said wings having a frame and a skin covering said frame; a recess or depression formed in the wings to receive said brake flaps, said recess being formed in the wings at the highest point of camber from the leading edge of the top wing surface, a corresponding recess in the bottom wing surface located in vertical alinement with the top surface recess, all said recesses being equal distance and in parallel alignment from the leading edge; said recesses located and formed to have a radius in the forward side of recess equal to the formed radius of said lever-arm.

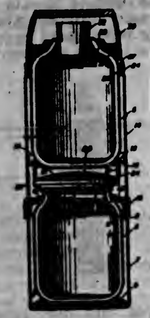
2,462,460
CARTON CLOSING MACHINE
Joseph W. Binsack, New Dorp, N. Y., assignor to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application December 8, 1945, Serial No. 633,799
5 Claims. (Cl. 93—2)



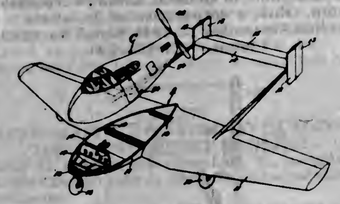
1. In a machine for use in closing cartons having side flaps hingedly connected to the side walls thereof, the combination of means for feeding cartons longitudinally with the side flaps thereof in partially raised position, and means acting automatically as the cartons are thus being fed to bend the side walls inwardly adjacent the hinged connections with the side flaps to cause the side flaps to be swung upwardly to a predetermined position.

2,462,461
VACUUM JAR AND BOTTLE COMBINED
Miles F. Bird, Cushing, Wis.
Application November 18, 1947, Serial No. 786,761
4 Claims. (Cl. 215—13)

1. As a new article of manufacture and as a component part of an assemblage of the class described, a Thermos bottle, a casing externally jacketing the bottle, said casing embodying a cylinder which is open at its bottom, said open bottom portion being screw-threaded, said open bottom portion projecting well beyond the bottom of the bottle, an annular ledge provided with a packing ring, said ledge being secured on the interior of said cylinder and providing a partitioning and supporting member for the bottom of the bottle, said ledge embodying an endless screw-threaded depending neck, and a jar closing cover, said cover having a screw-threaded portion detachably threaded on said neck.



2,462,462
CONVERTIBLE AIR AND LAND CONVEYANCE
Herbert D. Boggs and Helen J. Boggs, Omaha, Nebr.
Application April 7, 1944, Serial No. 529,998
8 Claims. (Cl. 244—2)



3. A conveyance means of the character stated, comprising a winged structure forming an incomplete flying unit, a wheeled structure forming an incomplete land vehicle unit, a body unit adapted to be mounted on either of the first units to complete the same, a power plant carried by the body unit, and plural means for selective connection with the power plant for driving the completed units.

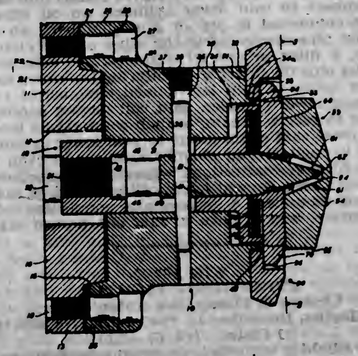
2,462,463
ELECTRIC ARC CUTTING ELECTRODE
Robert Henry Farmer Best, London, England, assignor to Under Water Welders & Repairers Limited, London, England, a British company
Application May 1, 1945, Serial No. 591,287
In Great Britain March 3, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires March 3, 1964
2 Claims. (Cl. 219—8)

1. An electrode for underwater arc cutting comprising a refractory main body of carbon, a metal casing surrounding the carbon and an insulating covering over the metal casing, the carbon and casing being formed to provide a passage for oxygen from end to end of the electrode within the casing.

2,462,464
IRONING CORD RETRACTOR
Ernest J. Brier, Los Angeles, and Walter G. McCue, Downey, Calif.
Application March 23, 1946, Serial No. 656,657
1 Claim. (Cl. 248—51)

An ironing cord retractor comprising a bracket attachable to an ironing board, said bracket having an upstanding side in the top of which there is a notch, a resilient flexible support for an ironing cord, said support having an angular base the side of which has a limited slidable connection with said upstanding side on the bracket, and the top of which is receivable in said notch to releasably lock the support in upstanding position, said upstanding side having a second notch on its side edge disposed at more than 90° from the first mentioned notch and in which the top of the angular base is also receivable whereby the support may also be locked in a position wherein it is flexed and pressed against the top of the ironing board.

2,462,465
CHUCK FOR LATHES AND THE LIKE MACHINE TOOLS
Secondo L. Casella, New York, N. Y., assignor to Morey Machinery Co. Inc., Astoria, Long Island, N. Y., a corporation
Application September 12, 1947, Serial No. 773,660
7 Claims. (Cl. 279—2)



1. A chuck comprising a spindle nose adapted to be attached to a lathe spindle, a sleeve mounted therein for rotation therewith and sliding movement relative thereto, a cam pin disposed within the sleeve, means to attach the cam pin to the spindle nose for rotation therewith and to prevent axial movement of the cam pin relative to the spindle nose, said cam pin being formed with cam surfaces at one end, and chucking elements mounted for radial sliding movement relative to said sleeve, and for axial movement together with said sleeve, and having cam surfaces engaging the

cam surfaces on the cam pin so that sliding movement of the sleeve relative to the cam pin will cause radial movement of the chucking elements and movement of said chucking elements longitudinally of the axis of said spindle nose.

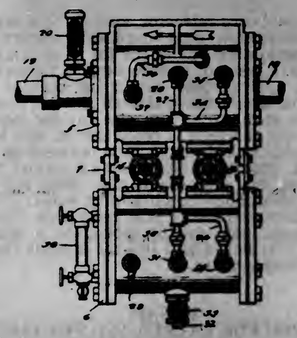
solely operating in said first mentioned bore, and having a reduced closely coiled section of reduced diameter to operate in said bores to push a flint through said flint chamber in contact with the sparking wheel, said reduced-diameter

2,462,469
ADJUSTABLE BINDER HITCH
Clayton L. Conrow, Arroyo Grande, Calif.
Application December 5, 1945, Serial No. 633,014
1 Claim. (Cl. 280—179)

2,462,471
RADIATION DETECTOR
Kenneth Carl Crumrine, Bellaire, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 24, 1943, Serial No. 511,516

cam surfaces on the cam pin so that sliding movement of the sleeve relative to the cam pin will cause radial movement of the chucking elements and movement of said chucking elements longitudinally of the axis of said spindle nose.

2,462,466
CRUDE OIL PURIFIER
Gonzalo Meneses Castellanos, Placetas, Cuba, assignor to Meneses y Compania, Placetas, Las Villas, Cuba
Application June 26, 1945, Serial No. 601,664
In Cuba May 4, 1944
7 Claims. (Cl. 216—156.6)



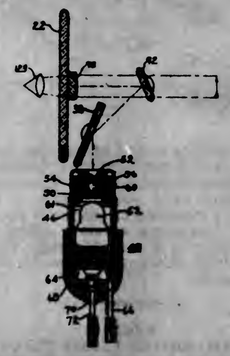
3. An oil purifier, comprising upper and lower horizontally-disposed cylinders, a substantially vertical partition in said upper cylinder separating the same into a pair of chambers, separate means including separate valves connecting said chambers to said lower cylinder, an oil intake pipe connected to one of said chambers, an oil outlet pipe connected to the other of said chambers, a filter in operative association with said outlet pipe for filtering oil entering the same, said filter being in said last-named chamber, a coil in said lower cylinder, said coil having connections to receive steam, branch connections leading from said connections to said lower cylinder and to each of said chambers, valves in each of said branch connections whereby to selectively supply steam to said lower cylinder and to each of said chambers, a by-pass pipe connecting said chambers, and a valve in said last-named pipe.

2,462,467
PYROPHORIC LIGHTER
Charles C. Clamp, San Antonio, Tex.
Application December 18, 1945, Serial No. 635,734
1 Claim. (Cl. 67—7.1)

In a lighter wherein is provided a sparking unit comprising a tapered body having a longitudinally extending transverse slot at one end, a sparking wheel rotatably mounted in said slot, said body having a bore of one diameter entering from the end of the body remote from the slotted end and having a bore of a reduced diameter between the first bore and said slot, the first bore comprising a spring chamber and the second mentioned bore comprising a flint chamber the axis of which coincides with a radius of said wheel, the improvement which comprises a coil spring having an open wound springy section solely operating in said first mentioned bore, and having a reduced closely coiled section of reduced diameter to operate in said bores to push a flint through said flint chamber in contact with the sparking wheel, said reduced-diameter portion being of a length sufficient to push the

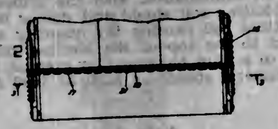
flint entirely out of said flint chamber as the flint wears down and said body having means to stop the flint pushing movement of the spring before the end of the reduced-diameter section can contact the sparking wheel and after the flint shall have been substantially consumed.

2,462,468
SPECTACLE SIGHTING DEVICE
Kendall Clark and Kenneth O. Sisson, Oakwood, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 13, 1945, Serial No. 616,134
2 Claims. (Cl. 88—2.4)



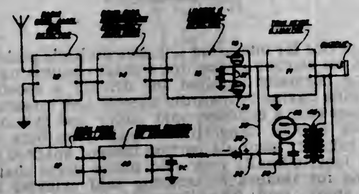
1. A sighting device for sighting at various measurable angles relative to the vertical including spectacles adapted to rest upon the nose, one of the eyepieces of the spectacles being provided with a small segmental collimating lens positioned so that the vision is split and the lens is in the path of a substantial portion of the directly forward vision field of one eye but leaves a substantial portion of the directly forward vision field free of the lens, the spectacles having a forwardly extending bracket, mirror means mounted upon said bracket and having a portion located directly in front of said collimating lens, a level indicating means pivotally mounted upon said bracket, means connecting the bracket and the level indicating means with the mirror means to move the mirror means to reflect light from the level indicating means to the collimating lens.

2,462,469
ADJUSTABLE BINDER HITCH
Clayton L. Conver, Arroyo Grande, Calif.
Application December 5, 1945, Serial No. 632,014
1 Claim. (Cl. 280—179)



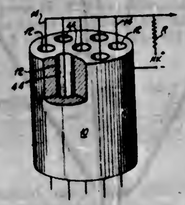
In a merchandise binder hitch for trucks and the like having side boards including vertical and horizontal elements vertically disposed on the sides of the truck body, the combination, which comprises, a pair of parallel horizontally disposed bars with spaced projections thereon and having mounting flanges at the ends each bar being positioned on opposite sides of the truck body, means mounting said bars through the ends thereof on the vertical members of said side boards, said bars being spaced from the horizontal members and also spaced above the lower ends of the vertical elements of said side boards, a chain having a ring on the upper end mounted on the bar on one side of the truck body with the bar positioned through the ring, and another chain with a ring on the upper end and a fastener on the lower end mounted on the bar on the other side of the truck body with the bar positioned through the ring on the upper end thereof, said chains adapted to be adjusted to selected positions on the bars and fastened together to hold cargo on the truck body.

2,462,470
TELEGRAPHY RECEIVER WITH AUTOMATIC FREQUENCY CONTROL
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 17, 1943, Serial No. 491,106
18 Claims. (Cl. 250—40)



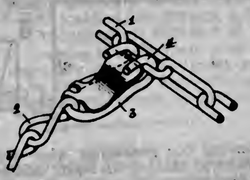
1. In apparatus for deriving a potential which changes when the mean frequency of wave energy changes, which wave energy is modulated from a first frequency through said mean frequency to a second frequency by signals, means excited by said wave energy for deriving an output which is correspondingly shifted between two values which change with reference to a base value when said mean frequency changes, additional means for deriving a second output which is shifted between two values which are fixed with respect to a base value regardless of changes in said mean frequency, and means for combining said derived outputs in opposed relation to derive a resultant combined output which is representative of the direction and extent of changes in the mean frequency of said wave energy.

2,462,471
RADIATION DETECTOR
Kenneth Carl Cramaine, Bellaire, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application November 24, 1943, Serial No. 511,516
9 Claims. (Cl. 250—27.5)



9. A device for detecting neutron radiation comprising a closed housing, a block of lead in said housing, said block being provided with a plurality of holes extending longitudinally therethrough, a wire disposed along the axis of each of said holes, said wires forming the anode and said block forming the cathode of the device, and a substance interposed between the body of said cathode block and the anode wires, which substance is capable of emitting alpha rays when bombarded by neutrons.

2,462,472
TIRE CHAIN LATCH
Leopold Cuillerrier, Verdun, Quebec, Canada
Application March 29, 1946, Serial No. 658,086
2 Claims. (Cl. 152—241)



2. In a tire chain assembly, a side chain of links and a cross chain of links, the end link of said cross chain being U-shaped and having its ends hooked for engagement in one of the side chain links, a bent plate of spring metal mounted on the body of said U-shaped link and engaging beneath the hooks thereof, a hook formed on said plate and encircling said body closely adjacent to the arch of said body, said plate having a notch disposed directly opposite the center of said arch, said plate engaging said body in overlying and unattached relation at the side of said notch opposite the last named hook.

2,462,473
CIRCULAR KNITTING NEEDLE
Virginia M. Delaney, Norco, Calif.
Application September 19, 1947, Serial No. 774,951
1 Claim. (Cl. 66—117)

A circular knitting needle comprising a pair of shanks each having a tapered point at one end and an angulated portion having a tapered extremity at the other end, a flexible rod-like chain

secured to said tapered extremities, the end links of said chain having longitudinal screw threaded

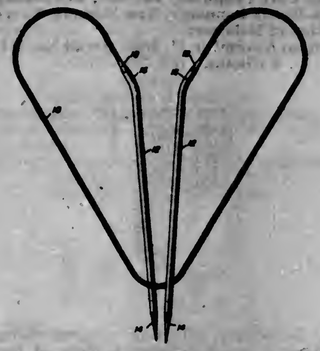
tact with each of said rolls at the top thereof, means to impart to said blotting roll a peripheral speed exceeding the longitudinal rate of travel of the wire, the close spacing between the blotting roll surface and adjacent concentric shield surface in combination with the orifice means

said housing having locking and unlocking positions, a clutch nipple mounted within said sleeve, rollable elements carried by openings in said sleeve and a row of circumferentially arranged cam wedge faces carried by said nipple adapted

longer than the over-all length of said pinions whereby upon interchange of said pinion blocks the pinions may be selectively shifted to mesh with unworn portions of said gears.

2,462,479
RAT OR MOUSE TRAP

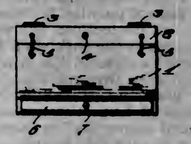
secured to said tapered extremities, the end links of said chain having longitudinal screw threaded



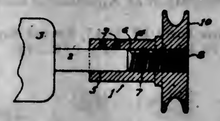
extensions, axial bores in said tapered extremities receiving said screw threaded extension.

2,462,474
COATING APPARATUS FOR WIRES, FILAMENTS, AND THE LIKE
James K. Delane, Rye, N. Y.
Application March 18, 1947, Serial No. 735,384
2 Claims. (Cl. 91—51)

1. Apparatus for providing wire with a uniform concentric coating of liquid insulating material comprising a closed container for said liquid insulating material, an applicator roll to apply an excess of coating material to the wire and at least one blotting roll to remove said excess, each of said rolls being mounted to rotate within said container, a shield structure surrounding the lower part of each of said applicator and blotting rolls, said shield structure having a lower outer portion arranged for contact with said coating liquid and an upper portion extending above the level of liquid in said container and an inner portion having a surface concentric with and in closely spaced relation to the adjacent roll surface, and orifice means in said lower portion to admit coating liquid to the concentric space between said roll and the adjacent shield surface, and each of said shields limiting the liquid contained in the concentric space between the inner portion of the shield and the adjacent roll surface to the amount of liquid delivered through said orifice means and confined in said concentric space; a doctor blade bearing against each of said rolls at a point intermediate between the top of said roll and the upper portion of said shield, means to pass a wire longitudinally in tangential contact with each of said rolls at the top thereof, means to impart to said blotting roll a peripheral speed exceeding the longitudinal rate of travel of the wire, the close spacing between the blotting roll surface and adjacent concentric shield surface in combination with the orifice means in the blotting roll shield and doctor blade for the blotting roll causing the quantity of liquid delivered to the top of the blotting roll to be limited to a thin blotting film even at blotting roll peripheral speeds as high as 1600 feet per minute.

2,462,475
STERILIZER FOR BARBERS' IMPLEMENTS
Abrame Di Filippo, Silver Spring, Md.
Application July 22, 1947, Serial No. 762,849
5 Claims. (Cl. 21—87)

1. A steriliser for barber's implements comprising an outer casing adapted to hold a sterilizing fluid, a receptacle disposed within said casing formed with wells shaped to receive and support the various implements, and said wells having downwardly extending bores connecting the same with the bottom surface of said receptacle.

2,462,476
DEVICE FOR MOUNTING SELECTIVE MULTIPLE PULLEYS UPON AN ELECTRIC MOTOR DRIVE SHAFT
Benjamin Dowick, Jersey City, N. J.
Application December 21, 1945, Serial No. 636,439
1 Claim. (Cl. 287—53)



A device for mounting selective multiple pulleys upon an electric motor drive shaft comprising a pulley normally required for driving a specific machine having rearwardly thereof and integrally therewith a cylinder, said pulley and cylinder having a bore clear therethrough, the bore in said cylinder having a portion thereof adapted to slide longitudinally over said motor drive shaft, means for removably securing said cylinder to said shaft, said bore being tapped, and said tapped portion being adapted for thereinto threading a screw for therewith selectively securing to said pulley one or more individual drive pulleys of varying diameters, for occasional different speeds required by said machine.

2,462,477
SAFETY JOINT
Charles R. Edwards, Houston, Tex.; Frances Rebertha Edwards executrix of said Charles R. Edwards, deceased
Original application May 13, 1940, Serial No. 334,947. Divided and this application April 26, 1945, Serial No. 590,227
10 Claims. (Cl. 255—28)

1. In a string of pipe for a well bore, a safety joint comprising a housing, a slidable sleeve in said housing having locking and unlocking positions, a clutch nipple mounted within said sleeve, rollable elements carried by openings in said sleeve and a row of circumferentially arranged cam wedge faces carried by said nipple adapted

to cooperate with said elements to lock said housing and nipple together, a raceway on said nipple adjacent said row of cam wedge faces, and a spring in the housing yieldingly urging the sleeve toward one of said positions.

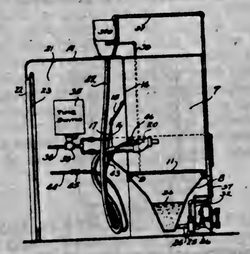
2,462,478
REVERSING TOOL
Charles R. Edwards, Houston, Tex.; Frances Rebertha Edwards executrix of said Charles R. Edwards, deceased
Original application May 13, 1940, Serial No. 334,947. Divided and this application June 5, 1945, Serial No. 597,705
12 Claims. (Cl. 255—35)

10. In a reversing tool a tubular housing comprising three relatively rotatable sections, reverse drive gearing including a plurality of axially spaced series of circularly arranged pinions, one of said sections including a plurality of annular pinion blocks secured in abutting relationship, and being of different length, said blocks being provided with longitudinal recesses for rotatably supporting said pinions, internal and external gears intermeshing with said pinions separately secured to the other two sections, said gears having continuous teeth substantially longer than the over-all length of said pinions whereby upon interchange of said pinion blocks the pinions may be selectively shifted to mesh with unworn portions of said gears.

2,462,479
RAT OR MOUSE TRAP
Eugene H. Elleby, Atlanta, Ga.
Application June 17, 1946, Serial No. 677,271
1 Claim. (Cl. 43—81)

In an animal trap, the combination, which comprises, a rectangular-shaped base having a centrally disposed longitudinally positioned opening extending inwardly from one end, a trigger pivotally mounted in said opening having a sloping under surface extending upwardly from a point below the pivotal mounting thereof, a bait-holding prong positioned on said trigger, an eye mounted on the inner end of the trigger, a centrally disposed retaining rod pivotally mounted on the base at a point spaced from the end opposite to that in which the opening is formed, said rod adapted to be positioned with the free end thereof in the eye of the trigger, a transversely disposed shaft mounted on the base at a point intermediate of the length thereof, a U-shaped bar having arms with recesses in the sides thereof pivotally mounted on the said shaft, a pair of springs mounted on said shaft with the inner ends connected by an extending loop adapted to contact the upper surface of the base and with the outer ends thereof positioned in the recesses of the arms of the U-shaped bar, and a U-shaped toothed bar having a flange on the underside mounted on the end of the base in which the opening is positioned, with the teeth extending upwardly above the upper surface of the base at the end thereof, and with the flange limiting downward movement of the trigger.

2,462,480
POLISHING METHOD AND APPARATUS
Arthur H. Eppler, Milwaukee, Wis.
Application January 8, 1944, Serial No. 517,533
21 Claims. (Cl. 51—8)



20. Polishing apparatus comprising an aqueous emulsion containing novaculite as an abrasive in suspension, in combination with means for circulating said aqueous emulsion in contact with work to be polished.

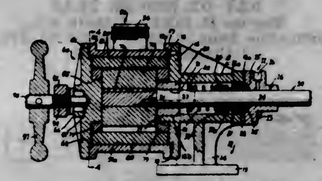
2,462,481
SLIDING VANE PUMP OR MOTOR
Maynard E. Estey, Canandaigua, N. Y., assignor, by mesne assignments, to Estey Products Corporation, Geneva, N. Y.
Application November 17, 1944, Serial No. 563,813
1 Claim. (Cl. 103—136)

and a pair of levers disposed adjacent opposite ends of said coil and each having one end pivotally connected to one of said plungers and its opposite end pivotally connected to the arm on the other of said plungers, said levers being pivotally supported upon stationary pivot pins located midway between the ends thereof and providing for

necting said control means selectively to either of said generators, and means for maintaining substantially constant voltage on the other of said generators, said driving motor being removable,

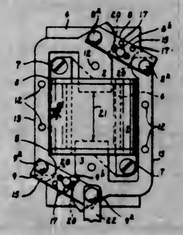
said body being beveled to engage one end of a pile, an inlet conduit for said body, a fluid receptacle communicating with said conduit, means

2,462,481
SLIDING VANE PUMP OR MOTOR
Maynard E. Estey, Canandaigua, N. Y., assignor, by mesne assignments, to Estey Products Corporation, Geneva, N. Y.
Application November 17, 1944, Serial No. 563,813
1 Claim. (Cl. 103—136)



A pump comprising a sleeve, an end wall at one end of the sleeve, a drive shaft passing through said sleeve, bearing means for said shaft within said sleeve, a hub on said end wall eccentric relative to the shaft, a ring concentrically mounted for rotation on said hub, said shaft having a portion extending beyond said end wall, a rotor on the extending portion of said shaft, said rotor being concentric with respect to said shaft, a casing contacting said end wall and disposed concentrically of said hub, an end wall at the opposite end of said casing to close the same, said second end wall being formed with a hub on the inner side thereof concentric with respect to said casing, a ring on said second hub concentric therewith and mounted for rotation thereon, said rotor being disposed between said rings, said rotor being formed with a pair of diametrically opposed longitudinal surface grooves, said rings each being formed with a pair of diametrically opposed notches registering with said grooves, the walls of said grooves and of said notches being radially disposed to present tapered recesses, divider bars in each groove extending into the notches in said rings, said divider bars being of segmental cross-section to correspond with said tapered recesses, said casing being formed with an inlet and an outlet passage, and means to fix said end walls and casing together.

2,462,482
ELECTROMAGNET WITH PLUNGER
Clarence T. Evans, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application April 23, 1946, Serial No. 664,167
2 Claims. (Cl. 175—341)



1. The combination with a stationary magnet coil, of a pair of opposed operating plungers extending into opposite ends of said coil and normally spaced apart to provide an air gap therebetween, each of said plungers having an arm on one side thereof and said arms being disposed in parallel relation on opposite sides of said coil, and a pair of levers disposed adjacent opposite ends of said coil and each having one end pivotally connected to one of said plungers and its opposite end pivotally connected to the arm on the other of said plungers, said levers being pivotally supported upon stationary pivot pins located midway between the ends thereof and providing for equal movements of said plungers in unison toward and away from each other to close and open said air gap upon energization and deenergization of said coil.

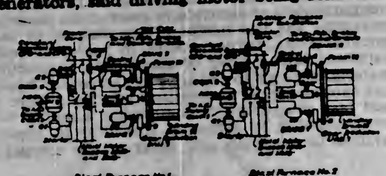
2,462,483
TIE CLASP
Julian F. Fontaine, Detroit, Mich.
Application March 12, 1947, Serial No. 734,684
4 Claims. (Cl. 2—154)

2. A two-element tie clasp of the kind described comprising a mounting plate affixed to the back side of the tie, said plate including a flat center portion and two laterally extending marginal flanges disposed in a plane spaced from the tie, and a receiving member made of an oblong flat strip of rigid material, the strip having a rectangular-shaped central flat portion, and having members looped upon said center portion from opposite sides to form means for a sliding engagement of the flanges of the mounting plate, the looped members continuing in a reverse loop, each being provided with an eye for connection to a collar encircling band.

4. A two-element tie clasp comprising a plate mounted on the back of a tie, the plate including vertical side flanges in a plane spaced from the tie, and a receiving member for said mounting plate, connected to a collar encircling textile band, said receiving member being made of an oblong strip of material, the strip including a rectangular flat center, a pair of members integrally connected thereto and looped from opposite ends over the sides of the flat center to form receiving folds for the flanges of the mounting plate, lugs extending outwardly from the body of the receiving member to close from the bottom the space defined by the loops, and a pin slideably mounted on the receiving member for a manual shift laterally into an aperture in the side of the mounting plate for retention thereof in its place.

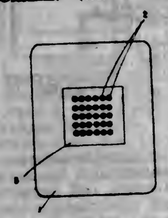
2,462,484
SKIP HOIST CONTROL
Gordon Fox, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application December 29, 1944, Serial No. 570,319
19 Claims. (Cl. 254—173)

7. In a skip hoist control, in combination, a motor generator set comprising a driving motor and two generators adapted to be driven by said motor, switching mechanism for alternatively connecting either of said generators to motive means for a skip hoist for driving the skip mechanism of a blast furnace, control means responsive to said skip hoist for adjusting the voltage of one of said generators, switch mechanism for connecting said control means selectively to either of said generators, and means for maintaining substantially constant voltage on the other of said generators, said driving motor being removable,



the rotors of said two generators being adapted to be connected together whereby one of said generators may operate as a motor for driving the other of said generators.

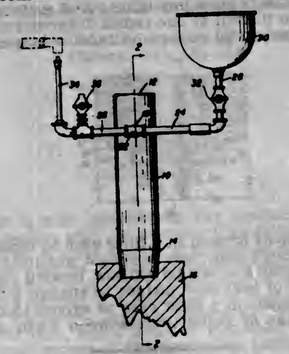
2,462,485
MEANS FOR TESTING COLOR VISION
Ellis Freeman, Sarasota, Fla.
Application February 7, 1946, Serial No. 646,123
2 Claims. (Cl. 88—20)



1. A chart-device for testing color vision, of the class of polychromatic plates marked with colors which are distinguishable apart by the color-competent and indistinguishable by the color-defective in the same illuminant in which said colors were selected for the plates; which consists of one or more plates having a test display surface on which are applied color patches which fall within a spectral range of 517 and 670, in dominant wave-lengths, and within said range are all colors which differ from each other by approximately three millimicrons in dominant wave-lengths, and only such colors as so differ serially and which are—under Illuminant C (6500 degrees Kelvin)—of equal brightness among themselves, and of equal purity among themselves, and are each and all of maximal purity consistent with that equality of purity among themselves, and with that equality of brightness among themselves; whereby when such a test plate on which the colors are all as so specified, is presented to a subject for test under an illuminant which varies in color temperature from that of the said Illuminant C in which the test plate colors were selected, the said color patches will still remain of such equal purity and equal brightness and still remain distinguishable by the color-competent and undistinguishable by the color-defective, despite said variation in color temperature of the illuminant.

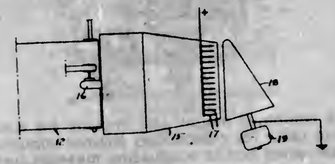
2,462,486
DEVICE FOR TREATING TIMBER
Clinton J. Gregory, Hot Springs, S. Dak.
Application July 29, 1947, Serial No. 764,398
6 Claims. (Cl. 21—7)

1. A device for treating timber comprising a hollow body closed at one end, the opposite end of said body being beveled to engage one end of a pile, an inlet conduit for said body, a fluid receptacle communicating with said conduit, means



for regulating a flow of fluid from said receptacle to said conduit, an air pressure line connected to said conduit, and means for regulating pressure entering said conduit.

2,462,487
APPARATUS FOR FORMING FELT
Ivor Griffith, Elkins Park, Pa., and Alfred P. Huchberger, New York, N. Y., assignors to The Frank H. Lee Company, Danbury, Conn., a corporation of Connecticut
Application December 28, 1945, Serial No. 637,737
2 Claims. (Cl. 19—144)



1. In a device for depositing feltable fibers upon a cone, in combination, a rotating cone, a generally rectangular nozzle mounted adjacent thereto, with the generatrix of the cone parallel to the longer dimension of the rectangular nozzle, means for discharging feltable fibers through said nozzle, and a plurality of point electrodes insulatingly mounted on said nozzle in rows, one on either side of the exterior of the nozzle, the points of said electrodes terminating short of the nozzle mouth, said electrodes and said cone being oppositely charged to a high potential whereby fibers emerging from said nozzle are placed in streams of ionized air and are thereby charged with the same charge as said electrodes and attracted to the oppositely charged cone.

2,462,488
CONTROL PLATE FOR FILTER CARTRIDGES
Earl G. Gunn, Providence, R. I., assignor to Fram Corporation, a corporation of Rhode Island
Application June 7, 1945, Serial No. 598,128
3 Claims. (Cl. 210—62)

1. A filter element comprising a filter medium having a central axial opening, a bottom plate having a hole which communicates through said medium to said opening, an auxiliary plate spaced

from the bottom plate and provided with a hole which communicates through the space between said plates with the said hole in the bottom plate, said auxiliary plate providing a first surface about said hole therein at one radial distance from said axial opening to engage by face to face contact

partment housing wherein said compartments are elongated, parallel and of unequal length and have the bottoms thereof continuous and on the same plane, a longitudinal partition between the compartments of electrically conducting material extending the full height of the shorter of said

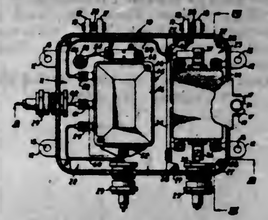
compartment between two sub-compartments, one adjacent each terminal, substantially shielded

2,462,493
SEAL FOR PIPE-LINE FITTINGS
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application July 19, 1944, Serial No. 545,602
3 Claims. (Cl. 138—44)

from the bottom plate and provided with a hole which communicates through the space between said plates with the said hole in the bottom plate, said auxiliary plate providing a first surface about said hole therein at one radial distance from said axial opening to engage by face to face contact

an abutment located in a filter case to block passage through said hole and said auxiliary plate also providing a second surface located radially inwardly of said first surface to engage a different abutment in a filter case to expose said hole for passage of liquid therebetween when so engaged.

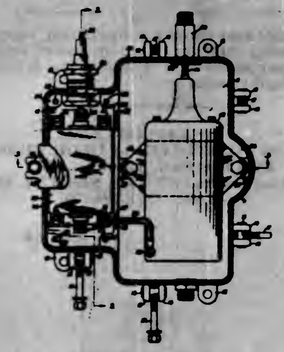
2,462,489
MULTIPLE SHIELDED ASSEMBLY UNIT
Elton C. Hallett, Inglewood, Calif., assignor to Hallett Manufacturing Company, Inglewood, Calif., a corporation of California
Application September 17, 1945, Serial No. 616,873
3 Claims. (Cl. 123—148)



1. A combined mount and housing for electric ignition units for combustion engines comprising a water-proof box of conducting material having side walls and a removable lid of conducting material secured at the tops of the side walls with a water tight, electrically continuous connection, extensions on said box adapted for attachment to a combustion engine, said box having a regulator compartment and having a filter compartment and a metal partition means segregating said last compartment from the regulator compartment, electric units in said respective compartments electrically connected in circuit and grounded to the box, water resistant connections in the housing walls for electric leads respectively to the electric units, said partition means having an aperture of relatively small size for an internal electric connection between the units.

2,462,490
SHIELDED HOUSING FOR IGNITION COILS AND FILTERS
Elton C. Hallett, Inglewood, Calif., assignor to Hallett Manufacturing Company, Inglewood, Calif., a corporation of California
Application September 17, 1945, Serial No. 616,874
4 Claims. (Cl. 123—148)

1. A combination electric and moisture resistant shield for electric units of the ignition system of a combustion engine comprising a two compartment housing wherein said compartments are elongated, parallel and of unequal length and have the bottoms thereof continuous and on the same plane, a longitudinal partition between the compartments of electrically conducting material extending the full height of the shorter of said compartments, corner bosses in said last compartment and a cover of electrically conducting material secured to the tops of the corner bosses and said partition, a mounting unit for a filter in said last compartment comprising a single element adapted to surround the filter in spaced relation to the walls and cover of the compart-

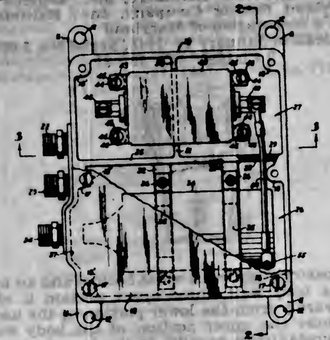


ment and to engage projections on the bottom thereof, a mounting unit for the coil comprising a laterally extending coil supporting bridge secured to the coil intermediate the ends and bolt posts securing the bridge to internally rounded projections in the bottom of the longer compartment laterally disposed relative to the coil, endwise, substantially axial connections from the units extending throughout the compartment wall in waterproof relation thereto, a connection through the partition from the filter to the coil, and a lid overlying both compartments sealed at the edges thereof with a waterproof seal.

2,462,491
IGNITION COIL AND FILTER SHIELD ASSEMBLY
Elton C. Hallett, Inglewood, Calif., assignor to Hallett Manufacturing Company, Inglewood, Calif., a corporation of California
Application October 22, 1945, Serial No. 623,774
4 Claims. (Cl. 123—148)

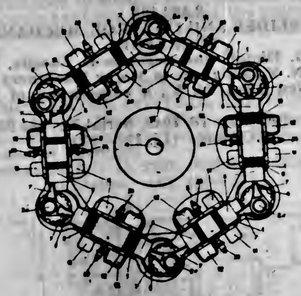
3. In an internally shielded housing for electric units of a combustion engine ignition system the combination of an ignition coil casing, a filter casing and a box having an internal partition dividing the interior into a compartment for reception of said ignition coil casing and a compartment for reception of said filter coil casing adapted for inclusion of a filter having hot and cold wire terminals at the respective ends thereof, and a lid for the box, one said compartment having a boss of electrically conducting material on the bottom intermediate the ends extending from side wall to side wall for supporting the filter, vertical ribs of electrically conducting material on the side walls in the same plane as the boss extending inwardly to the filter, and a transverse rib forming part of the lid spanning the distance between the tops of the vertical ribs and extending inwardly to the filter, said ribs jointly with the filter comprising a partition in the smaller

compartment between two sub-compartments, one adjacent each terminal, substantially shielded



electrically from each other and from the larger compartment.

2,462,492
MULTICYLINDER ENGINE
Georges Roger Hamel, Paris, France
Application April 7, 1945, Serial No. 587,171
In France August 24, 1942
Section 1, Public Law 690, August 8, 1946
Patent expires August 24, 1962
5 Claims. (Cl. 123—51)

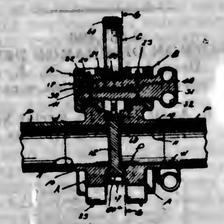


3. A polyhedral engine unit comprising an even number of cylinders greater than two, defining a polygon, a driven shaft coinciding with the axis of the polygon, opposed pistons in each cylinder, a crankshaft at each vertex of the polygon and connected to adjacent pistons, exhaust means and intake means provided at opposite ends of each cylinder, the cylinder ends having exhaust means being adjacent each other and the cylinder ends having intake means being adjacent each other, and the intake means adjacent one-half the number of vertices alternating with the exhaust means adjacent the other half, a spur wheel at each of the vertices driven by the crankshafts, the crankshafts at the exhaust ends of the cylinders driving their spur wheels in one direction and the crankshafts at the intake ends of the cylinders driving their spur wheels in the opposite direction, and gear means meshed with each of said spur wheels for driving said driven shaft.

2,462,493
SEAL FOR PIPE-LINE FITTINGS
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application July 19, 1944, Serial No. 545,602
3 Claims. (Cl. 138—44)

1. In a pipe line fitting, two sections, one a body section with an opening therethrough and the other a plate section arranged at the opening, the sections having opposing faces, and sealing means around the opening including a packing ring carried in a groove in one face and having a projecting portion projecting beyond the grooved face, there being a V-shaped notch in the inner corner of the projecting portion forming a tapered lip facing the opening.

2,462,494
PIPE FITTING
Leland S. Hamer, Long Beach, Calif., assignor of one-fourth to Paul A. Dewhirst, Los Angeles, Calif.
Application July 19, 1944, Serial No. 545,605
15 Claims. (Cl. 138—44)



1. In a fitting of the character described, a body having relatively movable parts with opposed faces, an elongate plate section with spaced parts adapted to be inserted between the said faces, and clamp means slidably pivotally coupling the plate section and the body parts joining them together against separation and allowing lengthwise movement of the plate section and also pivotal movement of the plate section about an axis to position selected parts of the plate section between the faces, the clamp means acting between the body parts clamping them to the plate section.

2,462,495
DUAL ACTION SWITCH
William B. Harrison, Jr., Richmond, Va.
Application June 13, 1946, Serial No. 676,468
2 Claims. (Cl. 200—1)

1. In a switch device, a support, an actuator member mounted for reciprocating and rotating movement on said support, said actuator member having an enlarged cylindrical end, one portion of which is provided with two flat recesses on opposite sides of the axis of said actuator and forming shoulders at the junction of said recesses and said cylindrical portion, a plurality of spring

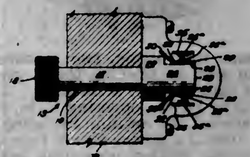
biased switch contact elements mounted on said support and adapted to move in a plane transversely of the axis of said actuator, said contact elements provided with parallel flat cam surfaces

2,462,497
ICE-CREAM CUP
Albert A. Heyman, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore,

2,462,499
PROCESS FOR RECOVERING MANGANESE VALUES FROM MANGANESE ORES
Richard D. Hoak, Mount Lebanon Township,

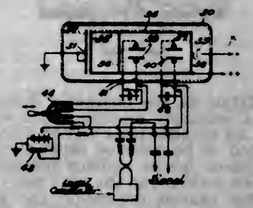
member in said housing operatively connected to said pistons for rotation thereby upon movement of said pistons and adapted to be connected to volume control means on said pump, means acting on said first piston and tending to move said

biased switch contact elements mounted on said support and adapted to move in a plane transversely of the axis of said actuator, said contact elements provided with parallel flat cam surfaces overlying the recessed portion of said actuator member, said contact elements also having laterally disposed inclined cam elements simultaneously overlying said cylindrical portion, said inclined cam elements adapted to be engaged by the shoulders between said recesses and said cylindrical portion of said actuator upon axial movement of the latter and said flat cam surfaces



adapted to be engaged by the edges of said flat recesses upon rotational movement of said actuator to move said contact elements into separated relation whereby said contacts may be moved into non-holding separated relation by axial movement of said actuator while the shoulders on said actuator are held against said spring biased inclined cam elements, or into a held separated relation by rotational movement of said actuator causing said flat cam elements to be engaged by the edges of said flat recesses.

2,462,496
ELECTRON DISCHARGE DEVICE
Edward W. Herold, Verona, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 24, 1942, Serial No. 440,283
17 Claims. (Cl. 315—6)

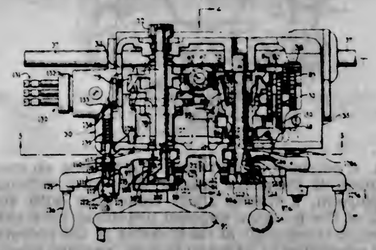


1. An electron discharge device having a cathode for supplying a beam of electrons and a collector for receiving said electrons, and an apertured member positioned between said cathode and collector through which said beam of electrons may be directed toward said collector, and deflecting means positioned between the cathode and apertured member and including a plurality of successive pairs of oppositely disposed deflecting elements between which the beam of electrons is directed, said deflecting elements of each pair being adapted to have an alternating potential of high frequency applied therebetween, said pairs of deflecting elements being spaced along the path of travel of the electron beam and means coupled with said deflecting elements for adjusting the phase relationship of the applied voltage on each pair of deflecting elements to provide optimum additive deflection of said beam of electrons.

2,462,497
ICE-CREAM CUP
Albert A. Heyman, Baltimore, Md., assignor to Maryland Baking Company, Inc., Baltimore, Md., a corporation of Maryland
Application January 29, 1948, Serial No. 5,021
2 Claims. (Cl. 99—89)

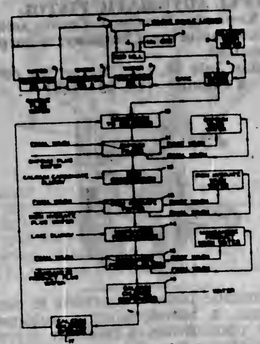
1. A pastry cup having a flat bottom and an upstanding body wall whose upper portion is offset outwardly from the lower portion of the body wall proper the upper portion of the body wall being substantially parallel to the lower portion of the body wall; an annular series of wedges in said enlarged upper portion positioned with their bases in proximity at the lower extremity of said enlarged upper portion and having their inner-side surfaces constituting a continuation of the inner-side face of the body wall proper and having their upper ends terminating short of the mouth of the cup; radial ribs connecting the wedges with the wall of said enlarged portion; and a nesting ring on the outside of said enlarged portion for seating on the mouth ring of a similar cup when cups are nested together.

2,462,498
CROSS SLIDES AND CONTROL MECHANISM THEREFOR
Morris G. Himoff and Secondo L. Casella, New York, N. Y., assignors to Mercy Machinery Co., Inc., New York, N. Y., a corporation of New York
Application July 16, 1943, Serial No. 494,926
6 Claims. (Cl. 192—93)



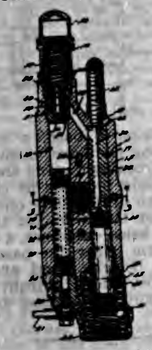
1. In combination, a shaft, a member mounted thereon and provided with a clutch means, a second member on the shaft provided with clutch means adapted to engage the first clutch means, a lever on said shaft, means effective upon rotation of the lever in one direction of rotation to cause the clutch means of said members to be engaged and in an opposite direction of rotation to permit said clutch means to declutch, releasable means to retain the lever in clutching position, a lever arm rotatably mounted on the lever about an axis parallel to said shaft, and cam means effective upon movement of the lever arm in said opposite direction of rotation to disengage the retaining means.

2,462,499
PROCESS FOR RECOVERING MANGANESE VALUES FROM MANGANESE ORES
Richard D. Hesk, Mount Lebanon Township, Allegheny County, Pa., assignor to Mellon Institute of Industrial Research, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1947, Serial No. 776,505
9 Claims. (Cl. 23—87)



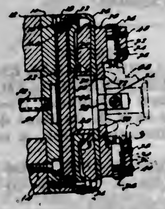
6. In the process of recovering manganese from manganese ores, the steps comprising leaching the ore with an aqueous acidic solution of a ferrous salt of the group consisting of ferrous sulphate and ferrous chloride, removing the solids, raising the pH of the extract containing the corresponding salts of manganous manganese and ferric iron to about 3.0–4.0, thereby precipitating ferric hydroxide, removing the precipitate, and recovering a manganese product from the filtrate.

2,462,500
COMPENSATOR CONTROL FOR PUMPS
James F. Hoffer, Detroit, Mich., assignor to Superdraulic Corporation, Dearborn, Mich., a corporation of Michigan
Application July 12, 1946, Serial No. 683,349
10 Claims. (Cl. 103—37)



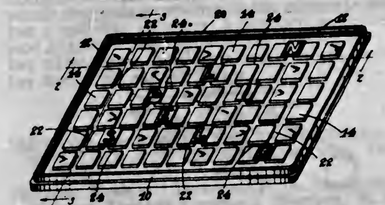
1. In combination, a variable delivery pump having means for varying the volumetric delivery thereof, and a pressure actuated volume control unit adapted to be used with said variable delivery pump, said unit comprising a housing having first and second bores therein, first and second pistons in said bores respectively, a rotatable member in said housing operatively connected to said pistons for rotation thereby upon movement of said pistons and adapted to be connected to volume control means on said pump, means acting on said first piston and tending to move said first piston toward full volume position, and pressure connections between the pump and said second bore and acting on said second piston to move said second piston and said rotatable member in response to variations in pump pressure.

2,462,501
DIAPHRAGM CHUCK
George Hohwart and Ernest F. Hohwart, Detroit, Mich., assignors to N. A. Woodworth Company, Ferndale, Mich., a corporation of Michigan
Application June 10, 1947, Serial No. 753,785
9 Claims. (Cl. 279—46)



3. In a chuck, in combination, a body, and a plurality of jaw assemblies secured to the outer face of said body in angularly spaced relation with respect to each other about the axis of said chuck, each said jaw assembly comprising a jaw block and a pin rotatably and axially movably supported thereby with its axis extending radially with respect to the axis of said chuck, the radially inner end of each said pin being tapered into wedge-like form and adapted to be received between adjacent teeth of a spiral gear comprising a workpiece carried by said chuck with its medial plane aligned with the direction of length of said teeth, said tapered ends of said pins being relieved centrally of their opposite wedge faces whereby to limit contact between said ends and the teeth of a gear received thereby to points spaced axially of said chuck from one another.

2,462,502
ASSEMBLY DEVICE FOR SPELLING BLOCKS
Adolf Israel Horwitz, London, England, assignor to Olafirn Limited, London, England, a British company
Application May 26, 1947, Serial No. 750,538
In Great Britain June 25, 1946
4 Claims. (Cl. 235—73)



1. Apparatus for use in connection with spelling, word-building and like games, comprising a tray having a bottom and upstanding sides, a plurality of similar tables upstanding from the bottom of the tray and arranged in spaced rank

and file with a plurality of tables in each rank and each file each table comprising a central pillar and a rectangular top extending laterally from the pillar around the upper end thereof, the

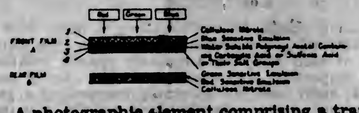
flanges, a tightening band about the arch between the flanges to surround the clamp and tighten it radially and press the flanges apart and also toward the pipe and a patch adapted to

a radial arm, said arm being mounted to rotate about a pivot disposed intermediate the ends of the arm and being provided with an offset adjacent said pivot, said arm extending toward said

wheel to be turned and having a portion thereof extending adjacent to the periphery of the flywheel with a series of teeth therein adapted to

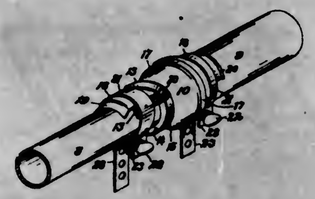
and file with a plurality of tables in each rank and each file each table comprising a central pillar and a rectangular top extending laterally from the pillar around the upper end thereof, the lower ends of which tables are fitted within recesses formed in the bottom of the tray to hold the tables in the spaced ranks and files with the edges of the table tops in line in each rank and each file so as to form straight intersecting passageways between the ranks and files, a plurality of letter elements each having a stem received within one of the passageways and manually movable therealong and from one passageway to another and each having enlarged top and bottom portions attached to the two ends of the stem respectively to lie respectively above and below and to overlap the edges of successive pairs of table tops as the element is moved and the upper end of each of which letter-elements carries on its upper surface a symbol.

2,462,503
PHOTOGRAPHIC FLURAL EMULSION LAYER STRIPPING FILM
Andrew Bradshaw Jennings, New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 5, 1946, Serial No. 651,996
9 Claims. (Cl. 95—2)



1. A photographic element comprising a transparent film base having superimposed thereon in order a water-permeable colloid silver halide layer which is predominantly sensitive to at least the blue region of the visible spectrum, a removable water-soluble, light-insensitive colloid layer composed of a water-soluble acetal of a vinyl alcohol polymer with an aldehyde containing a group taken from the class consisting of free sulfonic acid groups, free carboxylic acid groups, and their water-soluble salts but which aldehyde is otherwise unsubstituted and a water-permeable colloid silver halide layer which is sensitive to the blue region of the spectrum and at least one primary color region of the spectrum different from that of the first layer.

2,462,504
PIPE CLAMP
Samuel M. Kass, Philadelphia, Pa.
Application January 18, 1945, Serial No. 573,327
4 Claims. (Cl. 138—99)

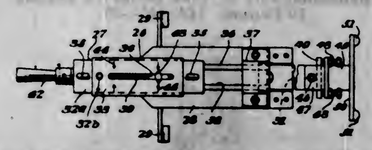


1. In a repair clamp for pipe leakage occurring at a coupling flange location, a longitudinally arched laterally curved resilient repair clamp having flanges at axially opposite ends and partly surrounding the pipe transversely between the flanges, a tightening band about the arch between the flanges to surround the clamp and tighten it radially and press the flanges apart and also toward the pipe and a patch adapted to fit against the pipe adjacent the pipe flange and to be engaged by one of the clamp flanges.

2,462,505
FULL AUTOMATIC PISTOL
Horace J. Kennedy, Hartford, Conn., assignor to Colt's Manufacturing Company, a corporation of Connecticut
Application July 28, 1945, Serial No. 607,579
8 Claims. (Cl. 89—140)

1. An automatic pistol comprising in combination, a frame, a barrel, a slide automatically reciprocable upon firing, a hammer movable to cocked position by the slide upon recoil movement thereof, a sear for holding the hammer in cocked position and having a cam surface thereon, a trigger, and a member reciprocably mounted in said frame and engageable by the slide for movement thereby and having a cam surface thereon movable to and from a position of engagement with the cam surface on said sear to effect hammer releasing movement of the sear upon reciprocation of said member.

2,462,506
ANODE BAR JACK
Clarence J. Klein, Hallidays Cove, W. Va., assignor to National Steel Corporation, a corporation of Delaware
Application February 10, 1944, Serial No. 521,795
1 Claim. (Cl. 254—134)

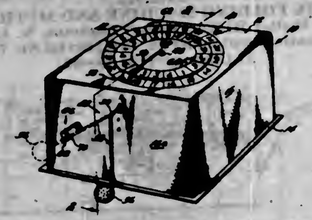


A jack comprising a base, a slide movable longitudinally along the base, means carried on the base for reciprocably moving the slide therealong, a pusher head movable by the slide, said head comprising an arm having one end thereof pivotally carried by the slide and the other end thereof extending below said base, a bearing head carried by said arm below the base and means for adjusting the bearing head angularly with respect to the slide, and a plurality of bearing members for supporting the base and the parts carried thereby.

2,462,507
GAME DEVICE
Seren M. Klyver, Los Angeles, Calif.
Application November 28, 1947, Serial No. 788,596
2 Claims. (Cl. 273—35)

1. A game device comprising: a surface bearing scoring indicia arranged in an annular path;

a radial arm, said arm being mounted to rotate about a pivot disposed intermediate the ends of the arm and being provided with an offset adjacent said pivot, said arm extending toward said path from the center thereof and mounted for pivotal movement about said center; and operating means for rotating said pivoted arm, said means comprising a crank lever mounted so as to swing in a generally vertically plane and having a free end thereon, the other end of said crank lever being offset, said offset being of sufficient length to contact the offset on said radial arm.

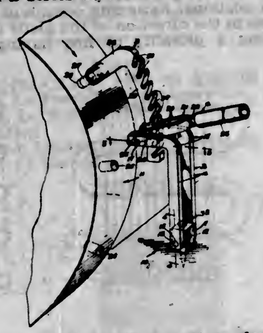


2,462,508
UNDERGARMENT
Arthur R. Kneibler, Kenosha, Wis., assignor to Cooper's, Incorporated, Kenosha, Wis., a corporation of Wisconsin
Application September 27, 1945, Serial No. 618,809
5 Claims. (Cl. 2—224)

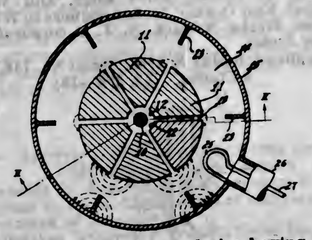
1. An undergarment comprising a body portion of knitted material having front and back sections, and leg portions of knitted material connected to said body portion, each of said leg portions being connected to said body portion by a seam which is located along the line of the adjacent groin of the wearer of said garment, the adjacent edge of the crotch of said body portion and the adjacent edge of the back section of said body portion, a hem and reinforcing member for each of said leg portions, each comprising a layer of knitted material overlapping the base of the associated leg portion, and an extension of knitted material secured to the inside of each of said leg portions above the base thereof, each extension having its edges secured at the location of said seam at the adjacent edge of the crotch of the body portion of said garment.

2,462,509
CRANKING JACK FOR DIESEL ENGINES
Joseph H. Kobbe, Savanna, Ill.
Application June 16, 1945, Serial No. 599,925
7 Claims. (Cl. 254—121)

7. In a device of the class described, a support adapted to be anchored against movement in at least one direction, a lever fulcrumed on the support having a transversely extending tooth-engaging element and a handle on the lever for moving said element with mechanical advantage, and an arm adapted to be detachably anchored at selective points along the periphery of a flywheel to be turned and having a portion thereof extending adjacent to the periphery of the flywheel with a series of teeth therein adapted to be engaged by the tooth-engaging element of the lever to rotate the flywheel with mechanical advantage.



2,462,510
ELECTRON DISCHARGE DEVICE AND ASSOCIATED CIRCUIT
Nathaniel I. Korman, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 17, 1945, Serial No. 616,911
5 Claims. (Cl. 315—6)



1. An electron discharge device having a hollow drum-shaped conducting member, a plurality of anode elements of sector-shaped transverse section mounted within said member in spaced relation thereto, whereby the inner wall of said drum-shaped member and the outer surfaces of said sector-shaped anode elements provide a cavity resonator, said anode elements being spaced from each other along radial planes to provide radially-directed slots, the inner ends of said anode elements providing anode segments defining a cathode chamber, a cathode mounted in said chamber, the radial length of said slots being effectively a half-wavelength of the operating frequency of said device.

2,462,511
METHOD OF PRODUCING CONDENSERS OR THE LIKE FOR HEAT EXCHANGE APPARATUS
Nathan Kramer, Trenton, N. J., assignor to Kramer Trenton Company, Trenton, N. J., a corporation of New Jersey
Application January 12, 1945, Serial No. 572,563
2 Claims. (Cl. 29—157.3)

1. A method of producing an apparatus of the character described, which includes the follow-

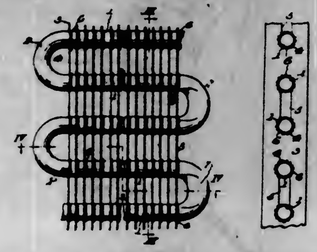
ing steps: providing a single piece tube bent sinuously in a single plane and having substantially straight parallel portions connected by

said locking means be manipulated to release said coupling members until after the valve actuating means has been manipulated to close said

ing of the temperature altering means comprising temperature responsive means interposed in the said ignition circuit to open and close said circuit, means responsive to a predetermined tem-

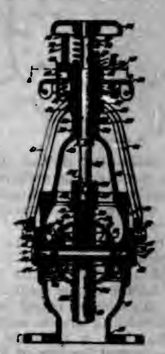
strands to form a braided covering over the core, and twisting the core and the covering in such a direction as to wind the metallic strands more tightly around the core so that the metallic strands tend to cling to the core.

ing steps: providing a single piece tube bent sinuously in a single plane and having substantially straight parallel portions connected by curved portions; flattening certain of the curved portions in the direction of the plane of the tube; providing a plurality of fins having apertures



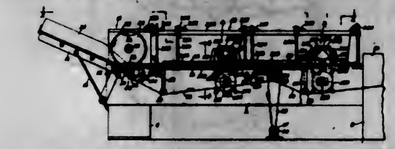
corresponding in shape with the combined cross section of the straight and flattened curved portions of the tube; and moving the tube and fins with respect to each other to cause the flattened curved portions of the tube to pass through the said apertures and the fins to be seated on the said straight portions.

2,462,512
VALVED COUPLING FOR FLUID CONDUCTING LINES
Howard C. Krone, River Edge, and William Meyer, East Orange, N. J., assignors to Wheaton Brass Works, Newark, N. J., a corporation of New Jersey
Application May 8, 1947, Serial No. 746,744
8 Claims. (Cl. 285—18)



1. A coupling for connecting fluid conducting lines comprising separable coupling members adapted to be aligned end to end, manipulatable means for locking said coupling members together in joined and sealed relation, each coupling member having an axially movable valve for normally closing the same, an axially disposed manipulatable means common to both said valves for opening and closing the same by relatively opposite axial movements, and means for so relating said locking means and said valve actuating means that said valve actuating means cannot be manipulated to open said valves until after the locking means has been operated to couple and seal the coupling members, nor can said locking means be manipulated to release said coupling members until after the valve actuating means has been manipulated to close said valves.

2,462,513
BOX FOLDING MACHINE AND METHOD
Walter H. Kuckinsky, Paramus, N. J.
Application September 26, 1947, Serial No. 776,227
17 Claims. (Cl. 93—49)

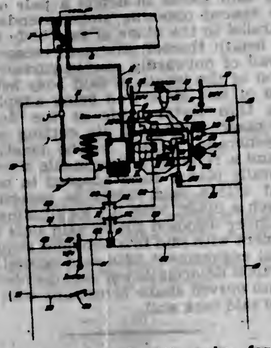


1. The method of folding a transverse flap on a transverse edge of a box blank as such blank travels continuously, said transverse flap being scored diagonally at its corners, which comprises pressing the flap out of the plane of the blank to a substantial angle therewith by a pressing force applied to one side of the flap, thereafter completing the fold of such flap by applying a second pressing force to the upbent flap on the same side thereof in a direction generally parallel to the plane of the material, and parallel to the direction of travel of the blank and during the above two folding operations restraining the corners of the flap outside the diagonal score lines from moving with the flap a substantial distance in a direction normal to the blank, whereby each of such corners is given a reverse fold upon the folded flap.

4. A machine for folding a flap on each of a succession of blanks of sheet material transversely to their path of travel while such blanks travel continuously substantially in their planes, which comprises conveying means for forwarding the blanks in predetermined spaced relationship, a folding station to which the conveying means presents the blanks, means at the folding station operating in timed relationship to the conveying means to press a flap on the same transverse edge of each of the blanks on the conveying means out of the plane of the blank to a substantial angle with the body of the blank, and means at the folding station to complete the folding of the flap on each blank by pressing the raised flap in a direction substantially parallel to the plane of the main body of the blank and toward the line of juncture of the flap and the body of the blank, said last named folding means comprising at least one folding finger on the side of the path of travel of the blanks toward which the first pressing means thrusts the flap, means for supporting the finger and means for operating the folding finger in timed relation to the presentation of the blank at the folding station.

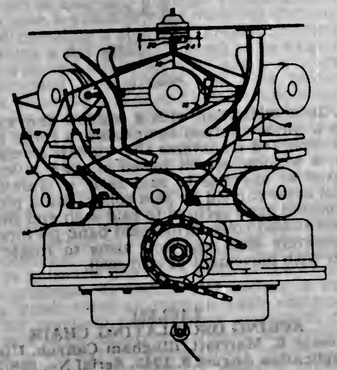
2,462,514
APPARATUS FOR THE CONTROL OF COOLING SYSTEMS
Timothy J. Lehane and Everett H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation, a corporation of Delaware
Application July 18, 1946, Serial No. 684,625
8 Claims. (Cl. 62—4)

1. In combination with means for altering the temperature of an enclosed space including an internal combustion engine having an electrical ignition circuit and an electrically energized starter, of means for controlling the functioning of the temperature altering means comprising temperature responsive means interposed in the said ignition circuit to open and close said circuit, means responsive to a predetermined temperature within the enclosed space for closing an electrical energising circuit through said starter, means operated by the engine for opening the last



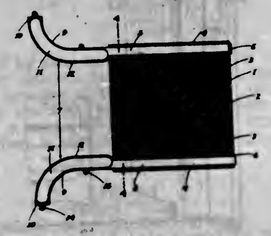
mentioned circuit, a throttle valve for the engine, electrically energized means for opening the throttle, and means defining an electrical energising circuit for said throttle operating means connected through the last mentioned temperature responsive means, whereby said starter and said throttle operating means are energized simultaneously.

2,462,515
METHOD OF AND APPARATUS FOR BRAIDING
Brooke W. Lerch, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1947, Serial No. 778,773
6 Claims. (Cl. 87—6)



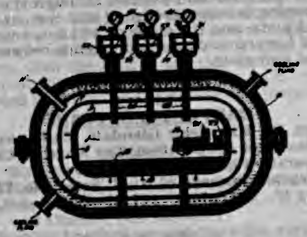
1. The method of braiding coverings upon cores, which comprises advancing a core in a predetermined direction along a predetermined path rotating a plurality of non-metallic strands in a predetermined direction around said core, rotating a plurality of metallic strands around the core in a direction opposite to that in which the non-metallic strands are rotated, interbraiding the metallic strands with the non-metallic strands to form a braided covering over the core, and twisting the core and the covering in such a direction as to wind the metallic strands more tightly around the core so that the metallic strands tend to cling to the core.

2,462,516
INDUCTION MOTOR ROTOR
Robert G. Le Tourneau, Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation
Application January 17, 1947, Serial No. 722,729
9 Claims. (Cl. 172—120)



1. An induction rotor including conductor bars in circumferentially spaced relation and extending to one end of the rotor, and a resistance blade assembly connected in electrical relation to the conductor bars and disposed beyond said one end of the rotor for rotation therewith; said resistance blade assembly including blades extending from the bars lengthwise of the rotor and then bending laterally outwardly whereby to increase the effective diameter of said assembly, each blade being concavo-convexo in cross section to provide rigidity and a fan effect.

2,462,517
METHOD OF MANUFACTURE OF LUMINESCENT MATERIALS
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1942, Serial No. 460,054
3 Claims. (Cl. 252—301.6)



1. The method of making a phosphor which consists in vaporizing a compound consisting of sulphur and a member from the group consisting of zinc and cadmium and mixtures thereof under pressure higher than atmospheric, separately vaporizing an activator selected from the group consisting of copper and silver, mixing said vapors and co-crystallizing said compound and the activator therefrom.

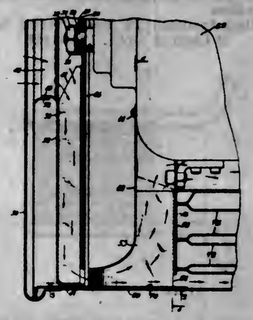
2,462,518
AIR COMPRESSOR
Calvin D. MacCracken, New Rochelle, N. Y., assignor, by direct and mesne assignments, to Jet-

with a plurality of comb teeth along one edge thereof and an elongated recess in one face in spaced relation to the tips of said teeth throughout a portion of the length of said body, first

chair when desired; and a spring means attached to the rear lower end of the framework and to a

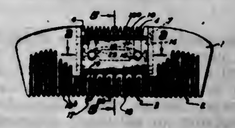
to a door frame and a keeper assembly, including a mounting plate, a keeper element secured to said plate and adapted to extend through said hasp and receive a lock to secure the door in nor-

2,462,518
AIR COMPRESSOR
Calvin D. MacCracken, New Rochelle, N. Y., assignor, by direct and mesne assignments, to Jet-Heet, Inc., New York, N. Y., a corporation of New York
Continuation of application Serial No. 676,827, June 22, 1946. This application December 14, 1946, Serial No. 716,968
1 Claim. (Cl. 230—127)



In a centrifugal air compressor, in combination with a rotor delivering compressed air through an annular opening in one face near its periphery, a stator receiving compressed air from said rotor and comprising a cylindrical sheet-metal shell concentrically located with reference to the axis of the rotor and having a diameter which is about equal to the outside diameter of the rotor, a plurality of curved sheet-metal vanes located in cooperative relation to said annular opening in the rotor and radially arranged within said shell and with the outer edges of said vanes in contact with said shell, a sheet-metal shroud in contact with the inner edges of said vanes, and an annular plate having an outside diameter less than the diameter of said shell and located at a right angle to and concentric with the axis of the rotor and in cooperative relation to the edges of said vanes; whereby the direction and velocity of the compressed air delivered by said rotor to the stator are changed and the compressed air is directed into two paths, one of which is parallel to the axis of the rotor and extends through the annular opening between said shell and the outer edge of said plate, and the other of which is transverse to and toward said axis and extends between said shroud and plate.

2,462,519
HAIR CUTTING COMB
Warren M. Mansfield, Glendale, Calif., assignor to Sta-Neet Corporation, Los Angeles, Calif., a corporation of California
Application January 27, 1947, Serial No. 724,607
4 Claims. (Cl. 30—30)



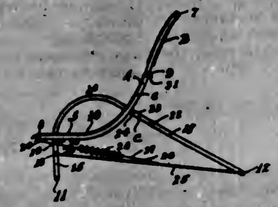
4. A hair cutting comb which comprises: an elongated generally planar comb body provided with a plurality of comb teeth along one edge thereof and an elongated recess in one face in spaced relation to the tips of said teeth throughout a portion of the length of said body; first shoulder means provided by said body to define the longitudinal ends of said recess; second shoulder means defined by said body at the longitudinal ends of said recess to define a pair of longitudinally spaced opposing slots extending generally parallel to the plane of said body transverse to the length thereof, and said recess having a back wall of outwardly convex curvature in the direction of the length of said body between the position of said slots, and being adapted to receive a thin metal blade of the double-edge "safety-razor" type with its cutting edges disposed generally parallel to the length of said body; and a resiliently deformable slide member of generally planar form adapted to be slidably disposed within said recess in superimposition upon such a blade, with the longitudinal ends of said member disposed within said slots in sliding engagement with said first shoulder means and in frictional engagement with said second shoulder means, upon deformation of said member and the blade into curved shape consonant with the curvature of said back wall.

2,462,520
ROLLER WINDOW SCREEN
William Marbach, Chicago, Ill.
Application February 11, 1947, Serial No. 727,743
3 Claims. (Cl. 160—100)

1. In combination with a window and window sash a window screen comprising, a roller rotatably mounted transverse the window frame bottom, a window screen reeled on said roller and secured at one end to said sash, a plurality of radial arms carried by said roller, and a plurally perforated band secured to said sash and slidable adjacent said roller arms, said band perforations successively engaging said arms to rotate said roller with movement of said sash.

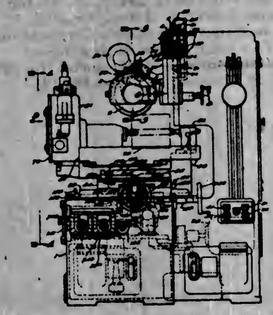
2,462,521
SPRING OSCILLATING CHAIR
Roscoe R. Marriett, Bingham Canyon, Utah
Application August 9, 1945, Serial No. 609,784
1 Claim. (Cl. 155—77)

A chair comprising an elongated rectangular framework having an inclined rear portion terminating in an upper arm portion; transverse braces spacing the arm portions apart; rollers on the two top transverse braces; chair seat having a back rest portion reversed slightly in curve, carried on the rollers for oscillation, said chair seat being adapted to be reversed and used as a reclining chair when desired; and a spring means attached to the rear lower end of the framework and to a



hook mounted on the underside of the chair seat to permit oscillation of the chair seat.

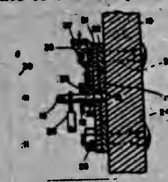
2,462,522
GRINDING MACHINE
James Martin, Ferndale, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application December 15, 1945, Serial No. 635,267
8 Claims. (Cl. 51—123)



5. A grinding machine for grinding the flanks of the teeth of gear-like machine elements comprising a base, a grinding head mounted thereon, said head including a generally circular grinding wheel having a flat surface normal to its axis of rotation and means for driving same, a work holder mounted on said base, said work holder including centering means and a work supporting element for rotatably supporting a workpiece, automatic fluid actuated means for reciprocating said work holder to move a workpiece mounted therein in a path normal to its axis of rotation, means to effect reciprocatory partial rotation of said work supporting element in accordance with said reciprocating movement, including a driving element carried by said base and a coacting driving element carried by the work holder, the combined rotational and reciprocating movements serving to cause the flank of a tooth of the workpiece to progressively contact the surface of the grinding wheel along an involute path, common means for percisely limiting the magnitude of both of said reciprocatory movements, and means including a vertical pivot operatively connecting the work holder to the base for swinging movement about a vertical axis.

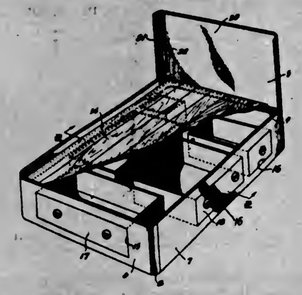
2,462,523
SAFETY HASP KEEPER
Thomas H. Mason, Peoria, Ill.
Application August 9, 1947, Serial No. 767,869
7 Claims. (Cl. 292—257)

6. An emergency release mechanism for door locks comprising a hasp adapted to be fastened to a door frame and a keeper assembly, including a mounting plate, a keeper element secured to said plate and adapted to extend through said hasp and receive a lock to secure the door in normally locked position, means for removably fastening said plate to the door, and a knife mem-



ber carried by said fastening means for cutting said keeper element to release it from the hasp and allow opening of the door without requiring removal of the lock, said keeper element being formed of a material that will shear when the knife member is struck and driven against it.

2,462,524
BEDSTEAD
Minnie Mattedi, Denver, Colo.
Application October 22, 1946, Serial No. 704,949
4 Claims. (Cl. 5—308)



1. A bed comprising a head board, a foot board and a pair of side boards, rails secured to the inner surfaces of each of said boards, said head and foot boards being curved at their ends to extend in the vertical plane of the side boards and in end-to-end engagement therewith, interlocking means between the rails of the head and foot boards with the rails of the side boards, and a dust-proof platform supported on said rails and adapted to support a bed spring and mattress thereon.

2,462,525
WINDOW SHADE BRACKET
Guy McCormick, Jr., Newport News, Va.
Application August 24, 1945, Serial No. 612,417
1 Claim. (Cl. 248—271)

A shade roller bracket, comprising a flat vertical elongated plate, said plate having a main horizontal opening near its top forming reduced vertical strips, said plate being provided near its top and within the main opening with spaced vertical lugs, the lower ends of the lugs terminating near the longitudinal center of the main opening, the lugs and reduced strips defining vertical slots open at their lower ends, the plate being provided at its bottom edge with spaced vertical lugs forming

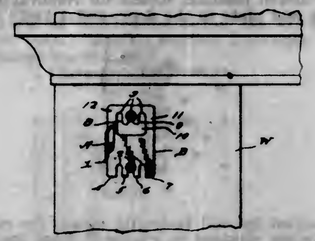
vertical slots having their lower ends open and passing through the bottom edge, the lower lugs being longer than the upper lugs, the upper and lower slots being arranged in vertical pairs, the

layer on the other surface consisting of a water-soluble, alkaline developer-insoluble macromolecular acetal of a hydroxyl polymer having a plurality of recurring intralinear —CH₂—CHOH— groups with an aldehyde containing a solubilizing

combustion chamber, said upper casing section including a top wall and a connecting downwardly extending first skirt having an opening in the front portion thereof, said lower casing section including a bottom wall having a de-

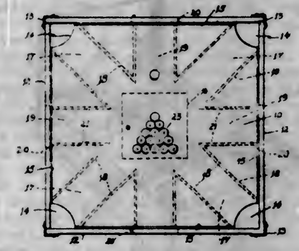
secured to said resilient contact, said actuating means comprising rods rigidly secured to said resilient arms and insulating handles secured to said rods.

vertical slots having their lower ends open and passing through the bottom edge, the lower lugs being longer than the upper lugs, the upper and lower slots being arranged in vertical pairs, the



slots in each vertical pair being in vertical alignment, and a laterally extending arm secured to the vertical edge of the plate and having means to engage with the shade roller.

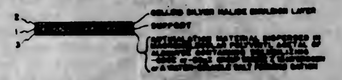
2,462,526
POOL GAME TABLE
Samuel H. McNair, Philadelphia, Pa.
Application April 2, 1946, Serial No. 659,069
1 Claim. (Cl. 273—3)



A table for pool games comprising a flat, rectangular top having cut-away corners to provide ball pockets, a flat bottom spaced from said top and substantially parallel thereto, four sides extending from said bottom above said top to provide a ball rail around the top, said sides being substantially perpendicular to said top and said bottom and each having an opening therein substantially at its mid-length location adjacent said bottom, a fixed rectangular stage disposed between said top and bottom substantially parallel thereto and substantially equally spaced from each of said sides, a respective inclined passageway leading from each cut-away corner of said top to said stage and a respective inclined passageway leading from said stage to each of said side openings.

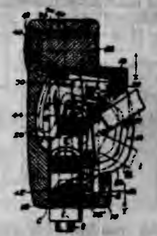
2,462,527
PHOTOGRAPHIC ANTIHALATION ELEMENTS
David Malcolm McQueen, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application January 27, 1947, Serial No. 724,711
5 Claims. (Cl. 95—8)

1. A photographic element comprising a support bearing a light sensitive silver halide emulsion layer on one surface and an antihalation layer on the other surface consisting of a water-soluble, alkaline developer-insoluble macromolecular acetal of a hydroxyl polymer having a plurality of recurring intralinear —CH₂—CHOH— groups with an aldehyde containing a solubilizing group taken from the class consisting of—COOZ and SO_3Z where Z is a member taken from the



group consisting of hydrogen and a water-soluble salt forming cation, which is otherwise unsubstituted said acetal layer having uniformly dispersed there through finely divided antihalation material which is absorptive of the rays to which the emulsion layer is sensitive, said acetal being colorless and free from color former nuclei.

2,462,528
AUTOMATIC LOCK SLIDER FOR SLIDE FASTENERS
William Mikulas, West Brighton, Staten Island, N. Y., and Lester L. Jones, Oradell, N. J., assignors to Conmar Products Corporation, Newark, N. J., a corporation of New Jersey
Application March 3, 1945, Serial No. 580,750
19 Claims. (Cl. 24—205.14)

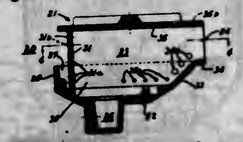


1. An automatic lock slider for slide fasteners comprising a slider having a slider channel for the slide fastener stringers and a locking member mounted on the slider, said locking member consisting of a two-armed lever fulcrumed on the slider and having both of its arms projecting into the slider channel, one arm of the lever having a locking tooth and the other arm having a point of lever application, the locking tooth and point of lever application extending into the channel on opposite sides or faces of the stringers in said channel, the fastener elements on said stringers engaging the point of lever application causing the locking lever to rock on its fulcrum and move the locking tooth into engagement with another fastener element on the stringers and thus automatically lock the slider, and means on said lever operative for rocking the lever in its opposite direction to disengage the locking tooth and unlock the slider.

2,462,529
HORIZONTAL OIL BURNER OF THE TRAY TYPE
Clarence A. Miller, Petaluma, Calif., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif., a corporation of California
Application July 23, 1945, Serial No. 606,559
4 Claims. (Cl. 158—91)

1. A burner comprising upper and lower casing sections secured together and defining a

combustion chamber, said upper casing section including a top wall and a connecting downwardly extending first skirt having an opening in the front portion thereof, said lower casing section including a bottom wall having a depression formed therein defining a liquid fuel reservoir disposed below and directly communicating with said combustion chamber and an upwardly sloping front wall and a connecting upwardly extending second skirt, said first skirt extending above and having its lower part arranged within said second skirt in spaced relation thereto, the front edge of said top wall and the front edges of said first skirt adjacent to the

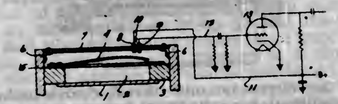


opening in the front portion thereof cooperating with the front edge of said front wall to define a forwardly directed flame outlet throat, means for supplying liquid fuel to said reservoir, said first skirt having a number of air inlet openings formed therein and disposed above and below the upper edge of said second skirt, and means for directing air from the exterior of said casing sections through said openings and across said reservoir, whereby vaporized fuel from said reservoir and flames of burning fuel in said combustion chamber are projected forwardly through said flame throat to the exterior of said casing sections.

2,462,530
LIGHT BULB STEM AND SOCKET
Joseph B. Miller, Natchez, Miss., assignor of fifty per cent to Katherine G. Miller, Natchez, Miss.
Application September 4, 1947, Serial No. 772,193
2 Claims. (Cl. 173—328)

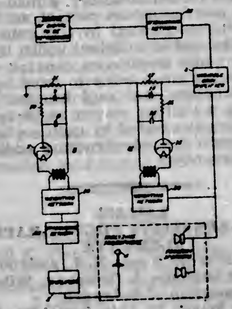
1. A socket for a lamp having a grooved stem extending therefrom comprising a housing composed of detachable sections and having an opening at the top of one of said sections, an insulating partition in said housing, a sleeve having aligned apertures secured to said partition and extending to and terminating at said opening, a resilient contact secured to said partition and positioned within said sleeve, resilient arms secured to said sleeve, means exterior of said housing for actuating said arms and latch keepers on said arms extending through said apertures engageable with the groove in a lamp stem, a conductor secured to said sleeve and a conductor secured to said resilient contact, said actuating means comprising rods rigidly secured to said resilient arms and insulating handles secured to said rods.

2,462,531
MUSICAL VIBRATION TRANSLATING UNIT
Burton Minshall, Brattleboro, Vt.
Application May 22, 1945, Serial No. 595,239
12 Claims. (Cl. 84—1.14)



1. A unit for a musical instrument for translating mechanical vibrations into electrical oscillations, comprising stationary electrodes mutually forming an electrical capacity, an electrical circuit including said capacity and including means for charging the capacity, a vibratory reed free of conductive connection with said circuit and positioned with respect to said electrodes to vibrate within the electrostatic field of said capacity, and means for vibrating said reed.

2,462,532
SOUND SYSTEM WHICH COMPENSATES FOR VARIABLE NOISE LEVELS
Frank A. Morris, Rochester, N. Y., assignor to Stromberg-Carlson Company, a corporation of New York
Application June 13, 1947, Serial No. 754,473
7 Claims. (Cl. 179—1)



1. In a sound reproducing system of the type comprising a source of sound to be reproduced, at least one sound reproducing means, and means arranged for automatically controlling the volume of reproduced sound, the last mentioned means comprising means for developing a first control quantity representative of the combined noise and reproduced sound level in the vicinity of said reproducing means, means for establishing a second control quantity representative only of the sound to be reproduced, and means for combining said quantities for control purposes, said last mentioned means comprising resistance means connected between a source of reference potential and said volume control means, said first quantity being impressed across one portion of said resistance means and said second quantity being impressed across another portion of said resistance means.

2,462,533
ELECTRIC THRUST DEVICE
John J. Merrihue, Boston, Mass., assignor of

2,462,535
REFRIGERATING APPARATUS WITH CHARGING PLUG

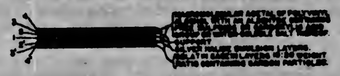
verse direction, said tongues being provided with longitudinal grooves, and the means between the said channels and tongues for preventing sepa-

2,462,538
THERMAL INSULATING BUILDING MATERIAL AND ITS METHOD OF MANUFACTURE

2,462,533
ELECTRIC THRUST DEVICE
John J. Moynihan, Boston, Mass., assignor of one-half to Joseph B. Brennan, Bratenahl, Ohio
Application August 12, 1945, Serial No. 610,580
5 Claims. (172—280)

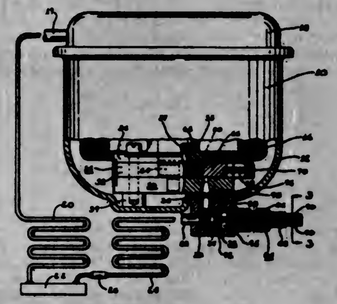
5. An electrodynamic thrust device including in combination a cylindrical ferromagnetic armature having a plurality of grooves in the surface thereof, a continuous single-conductor open-circuited winding providing a plurality of turns within each such groove and anchored to prevent motion of said winding with respect to said armature, an annular contact member associated with each such groove, each of said contact members, except those at the ends of the armature, being connected to the windings in two adjacent grooves and the members at the ends of the armature being connected to the windings in the adjacent end grooves, and said members having smooth external surfaces of a diameter greater than the diameter of the armature, a field structure comprising a plurality of annular elements each including an annular pole, said annular poles together forming a discontinuous cylindrical pole structure concentric with said armature, said elements also providing an annular magnetic return structure outside of said pole, and a radially extending web connecting each said pole with said return structure, a field coil associated with each adjacent pair of said annular elements, brushes located in the gaps between adjacent poles and of sufficient width in an axial direction to make continuous contact with said members, said brushes being in fixed relation to said pole structure and said brushes being so connected to a current source as to render the individual thrusts exerted by each section of the armature within the pole structure additive with respect to each other.

2,462,534
LIGHT-SENSITIVE PHOTOGRAPHIC ELEMENTS
Otis Willard Murray, Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 29, 1946, Serial No. 658,224
2 Claims. (Cl. 95—8)



1. A photographic element comprising a base, a light-sensitive emulsion layer, an outer antihalation layer disposed on each side of said base composed of casein and gelatin in the proportion of 10 to 20 parts of the former per part of the latter, having intimately and uniformly dispersed therethrough finely divided carbon particles and a water-soluble acetal of a vinyl alcohol polymer containing a group taken from the class consisting of free sulfonic acid groups, free carboxylic acid groups, and their water-soluble salts interposed between said emulsion layer and antihalation layer.

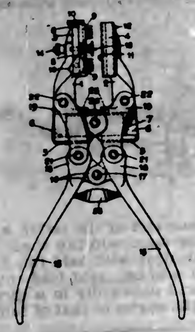
2,462,535
REFRIGERATING APPARATUS WITH CHARGING PLUG
John M. Murphy, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 3, 1946, Serial No. 681,249
2 Claims. (Cl. 62—115)



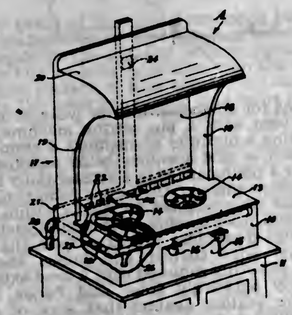
1. In a refrigerating system, an evaporator, a refrigerant translating device and conduits connecting said device and said evaporator in closed circuit relationship, said refrigerant translating device including a casing enclosing a compressor, a motor for operating said compressor, said casing having an inlet communicating with said compressor and an outlet, a plug projecting through said casing and being accessible from outside of said casing, said plug comprising a first tubular element and a second tubular element concentrically arranged within said first tubular element in spaced relationship thereto and forming therewith two separate passages, said first tubular element having externally formed threads thereon, a disc for closing both of said passages, and means holding said disc confined therein and adapted to seal the same against the outer end of said plug, said means comprising an internally threaded cup-shaped cap located on said externally formed threads on said first named tubular element of said plug and having a passageway formed in the side wall thereof arranged so as to communicate with both of said separate passages upon partial removal of said cap from said plug.

2,462,536
PARALLEL JAW PLIERS
Arthur John Muter, London, England
Application February 2, 1945, Serial No. 575,822
In Great Britain November 2, 1943
2 Claims. (Cl. 81—46)

2. Parallel jaw tools comprising in combination a pair of handles pivoted together, each handle being in the form of a two-armed lever with long arms and short arms, two pairs of intermediate links also pivoted together as two-armed levers and which are pivoted at adjacent ends to the short arms of the handles, L-shaped jaws having uprights to the lower end of which the other ends of the said links are pivoted, each horizontal part of each jaw having a channel and a tongue which engage and receive complementary parts on the horizontal part of the other jaw, interengaging means between said channels, and tongues for preventing separation of the interengaging parts of the jaws in a transverse direction, said tongues being provided with longitudinal grooves, and the means between the said channels and tongues for preventing separation of the interengaging parts of the jaws in a transverse direction comprise members projecting into the said grooves.



2,462,537
SAFETY HOUSING FOR GAS BURNER GRILLS
Joseph Mykiatiuk, Toronto, Ontario, Canada
Application May 1, 1946, Serial No. 666,337
3 Claims. (Cl. 126—299)

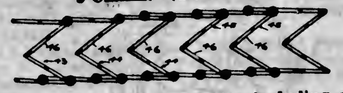


1. A safety housing for gas grills comprising a base embodying an open bottomed grill encasing compartment, a top plate therefor having orifices designed to register with the burners of a gas grill, a superstructure rising from the compartment embodying a back plate and terminating in a forwardly and downwardly curved hood above said orifices, said back plate being formed with a plurality of orifices below the level of the top plate, a manifold on the back plate with which said orifices communicate, and a flue on the back plate communicating with the manifold, the upper portion of said back plate being formed with at least one gas discharge orifice communicating with said flue, whereby gases generated by the use of the grill are induced to flow through the manifold to the flue and from the hood to the flue.

2,462,538
THERMAL INSULATING BUILDING MATERIAL AND ITS METHOD OF MANUFACTURE
Joseph S. Nagel, Santa Ana, Calif.
No Drawing. Application December 5, 1944, Serial No. 566,780
9 Claims. (Cl. 106—75)

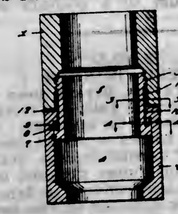
1. The method that includes, forming a uniform mixture of solid light weight porous aggregate particles, a relatively small proportion of a solution of a water soluble alkali metal silicate, and an alkali earth metal compound reactive with said silicate to convert same to an insoluble silicate, dehydrating said mixture to a degree such that the mixture will assume pelletised form upon agitation, agitating the mixture, compressing the dehydrated mixture, and heating the compressed mixture to convert it to a hard integrated mass of high compression strength.

2,462,539
WIRE SPRING STRUCTURE FOR SEAT AND BACK CONSTRUCTIONS
William H. Neely, Cleveland, and Svend G. Blumensaadt, Beachwood Village, Ohio, assignors to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application April 13, 1945, Serial No. 588,146
5 Claims. (Cl. 155—179)



1. A wire spring construction including a plurality of sinuously corrugated wire springs having substantially parallel top and bottom portions and inclined spacing and supporting portions connected with said top and bottom portions, said springs being assembled in rows, and some of the springs of said rows having their parallel portions overlapping each other a full loop of their corrugations and the overlapping portions secured to each other at spaced points to provide a spring structure with stiffened parallel portions yieldingly spaced from each other by the spacing and supporting members of said springs.

2,462,540
RELEASE COUPLING
Carroll N. Nicodemus and Albert E. Gregg, Ashland, Ohio
Application July 26, 1946, Serial No. 686,358
2 Claims. (Cl. 285—168)



1. A release coupling for attaching sections of pipe together, comprising a pair of tubular sections arranged in end-to-end relation with respect to each other, one of said tubular sections having an annular reduced part and an annular shoulder surrounding said reduced part, said shoulder being provided with sockets on its un-

der-side thereof, the other of said tubular sections being provided with an annular enlargement, a slidable sleeve interposed within said pair of sections, said sleeve including an annular

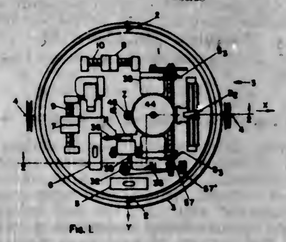
off drive mechanism for said gearing operatively engaged by the tractor, a feed pit immediately beneath and in line with said grinding mecha-

valve stems, said member having a spring-receiving seat between its valve stem engaging

machines, each machine being capable of adjustment to carry a varying load ranging between a predetermined minimum and maximum capacity for the machine, comprising controlling

der-side thereof, the other of said tubular sections being provided with an annular enlargement, a slidable sleeve interposed within said pair of sections, said sleeve including an annular flange adjacent one end thereof and having securing means on its opposite end, said sections and sleeve being so arranged that the annular enlargement of said other section embraces the annular reduced part of said one section and the securing means on the opposite end of said sleeve, said flange being provided with diametrically-opposed lugs projecting vertically therefrom for engagement with said sockets to secure the sleeve against rotation, and means on the annular enlargement of said other section engaging the securing means on said sleeve for connecting the sections together.

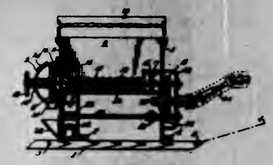
2,462,541
ERECTING SYSTEM FOR GYROSCOPES
Carl L. Norden, New York, N. Y., assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y., a corporation of Connecticut
Application October 17, 1945, Serial No. 622,837
9 Claims. (Cl. 74—5.44)



1. An erecting system for gyroscopes including in combination a gyroscope housing, a gyroscope rotor having a vertical spin axis positioned in said housing, means for mounting said housing for rotation about a longitudinal axis and a transverse axis, an inverted pendulum mounted upon said housing for rotation about a fixed axis, means for creating torque about an axis extending at right angles to said spin axis and at right angles to the axis of rotation of said inverted pendulum, and means responsive to said inverted pendulum for actuating said torque creating means to precess the gyroscope in a direction to bring said inverted pendulum to a position of unstable equilibrium.

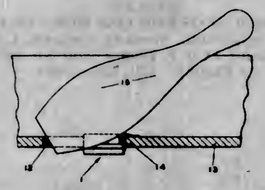
2,462,542
FEED GRINDER
Paul Paetow, Bryant, Iowa
Application March 21, 1946, Serial No. 655,941
1 Claim. (Cl. 241—163)

In a portable tractor-actuated feed grinder, runners, a hopper carried thereby, grain-feeding mechanism in said hopper disposed in a direction common to said runners, a fan shaft beneath said hopper disposed in the common direction of said runners and feeding mechanism and in the plane of said feeding mechanism, grinding mechanism at one end of said feeding mechanism operatively engaged thereby and in the plane thereof and of said fan shaft, drive gearing connecting said feeding mechanism and fan shaft and in a common plane therewith, take-off drive mechanism for said gearing operatively engaged by the tractor, a feed pit immediately beneath and in line with said grinding mechanism, a fan housing communicating with said feed pit in line therewith and with said fan shaft



and receiving one end of the latter, a fan within said fan housing upon said fan shaft, and a feed chute communicating with said fan housing and associated with said fan, said feed chute extending upwardly and outwardly in a direction substantially at right angles to that of said fan shaft.

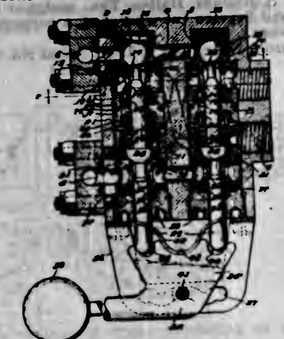
2,462,543
WEAR PLATE FOR PIN SETTING FRAMES
Richard F. Palmer, Hastings, Mich.
Application August 4, 1947, Serial No. 766,072
2 Claims. (Cl. 273—42)



1. Means for compensating for wear on bowling pins used with a pin setting machine, the latter having a plurality of openings therein, the wall of each of said openings being adapted for supporting a pin balanced in a substantially horizontal position thereon, the means comprising: a semicircular plate adapted for fitting within said opening, said plate having a horizontal member and a flange depending vertically from the radially inner edge thereof and joined thereto through a smoothly radiused rim; a bead extending radially outwardly from said flange and adapted for seating against that edge of said opening which is removed from said horizontal member.

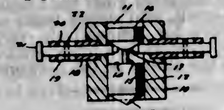
2,462,544
VALVE ACTUATING MEANS
Warde L. Parker, Los Angeles, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Original application June 3, 1942, Serial No. 445,615. Divided and this application July 12, 1945, Serial No. 604,610
6 Claims. (Cl. 74—471)

1. Means for selectively operating a pair of slidable valve stems each having a free end, including an actuating member formed with a pair of curved seats for movably receiving the free ends of the valve stems therein, means to mount the member for pivotal movement in opposite directions and for bodily movement to selectively position its seats with respect to the valve stems, said member having a spring-receiving seat between its valve stem engaging



seats, and a leaf spring in said spring-receiving seat.

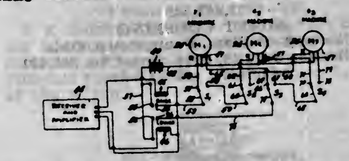
2,462,545
MODIFIED PLUG GAUGE
Paul A. Pomjanka, Owosso, Mich.
Application June 25, 1946, Serial No. 679,260
4 Claims. (Cl. 33—178)



3. In a gauge of the class described a housing, the circumferential surface whereof extends at right angles to the top and bottom surfaces, a centrally located bore extending from the top to the bottom surface, a plug slidably arranged in said bore, the lower end of said plug being shaped conically, and a screw threadedly extending through the circumferential wall of the housing and at right angles to the plug and adapted to secure the plug in any adjusted position in the bore, an upwardly extending stem on the plug, said stem being arranged coaxially with the plug, a second plug on the stem, said second plug having a conical lower end and being arranged coaxially with the first plug, the two conical plug ends having the same base angles, and a pair of diametrically opposed gauge pins, slidably arranged in the side wall of the housing at right angles to the plugs and to the screw, each of the two gauging pins having a frusto-concial inner end the base angles of these ends being equal to the complement of the base angles of the conical plug ends, and the gauging pins being adapted to contact the conical end of the second plug, the distance from the bottom plane of the housing to the common axis of the gauging pins being equal to the distance between the two base planes of the conical plug ends plus one half of the diameter of the inner end face of the frusto-conical end of the gauge pins.

2,462,546
ELECTRICAL CONTROL SYSTEM AND METHOD OF OPERATION
James W. Peeples, Dadeville, Ala.
Application September 19, 1945, Serial No. 617,257
9 Claims. (Cl. 290—4)

9. A method of operating an electric power plant having a plurality of electric generating machines, each machine being capable of adjustment to carry a varying load ranging between a predetermined minimum and maximum capacity for the machine, comprising controlling the adjustment of a first machine in either of two opposed directions respectively to increase or decrease the load carried thereby until said machine reaches either of said capacities, then

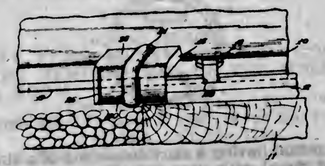


transferring the control to a succeeding machine to adjust the latter in the direction of adjustment of the first machine at the time of said transfer while maintaining the control of adjustment of the first machine in the opposite direction, and transferring the control of adjustment in said opposite direction to the succeeding machine after the latter has been adjusted in the first named direction.

2,462,547
DOUBLY ACTIVATED INFRARED PHOSPHORS AND METHODS OF PREPARING SAME
John J. Pitha, Jamaica, and Roland Ward, Brooklyn, N. Y., assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y., a corporation of New York
No Drawing. Application August 8, 1945, Serial No. 609,714
5 Claims. (Cl. 252—301.4)

5. As a new composition of matter, an infrared phosphor consisting essentially of lanthanum oxy-sulfide and a double activator of the group consisting of europium coupled with a member of the group consisting of lead, bismuth, samarium, gadolinium and indium and of indium coupled with a member of the group consisting of lead, bismuth, copper and samarium, said double activators being present in activator proportions.

2,462,548
SINGLE FLANGE RAIL ANCHOR
Frederick A. Preston, Lake Forest, Ill., assignor, by mesne assignments, to Poor & Company, Chicago, Ill., a corporation of Delaware
Application February 27, 1947, Serial No. 731,250
5 Claims. (Cl. 238—323)



1. A rail anchor comprising an upper jaw and a lower jaw which together engage and grip the top and bottom surfaces of one base flange of the rail, the said lower jaw being positioned to extend transversely beneath the rail base at substantially right angles to the length of the rail and the said upper jaw being disposed at an angle to the lower jaw to extend over the top surface of the said base flange in a direction

diagonal to the length of the rail, and means defining a flat striking surface, the plane of

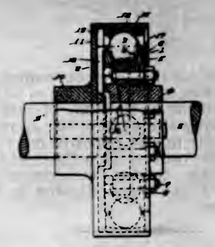
2,462,551
AMPLITUDE CONTROL
Darwin S. Kenner, Dallas, Tex., assignor to Geo-

2,462,553
MATERNITY DRESS
Hannah E. Rose, Grafton, Pa.

2,462,555
COPOLYMERS OF STYRENE AND 4,4'-DIVINYL-BIPHENYL

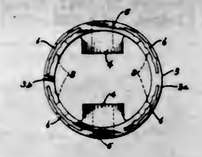
diagonal to the length of the rail, and means defining a flat striking surface, the plane of which extends at substantially right angles to the longitudinal center of the upper jaw, whereby the application of force is normally delivered to said striking surface in a direction aligned with the upper jaw.

2,462,549
SHAFT COUPLING
George E. Pulliam, Youngstown, Ohio
Application July 18, 1944, Serial No. 545,421
8 Claims. (Cl. 64—8)



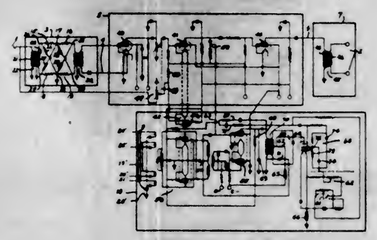
4. A coupling of the class described comprising male and female members respectively adapted for securement in axially spaced relation to the shafts to be coupled, a male member including a hub portion and a retainer ring detachably connected thereto having a series of substantially semi-spherical sockets in its periphery, the female member including a hub portion and a flange adapted to overhang and clear said ring when the members are in operative position and including a series of substantially rectangular slots extending axially of the coupling, substantially rectangular grooved retainer blocks slidably seated in said slots, and a series of balls interposed between said members and respectively engaging in said sockets and in the grooves in the blocks, the bottoms of said grooves conforming from end to end to arcs struck from the axis of the coupling.

2,462,550
PISTON
George C. Ramspeck, Chicago, Ill.
Application June 12, 1946, Serial No. 676,528
3 Claims. (Cl. 309—12)



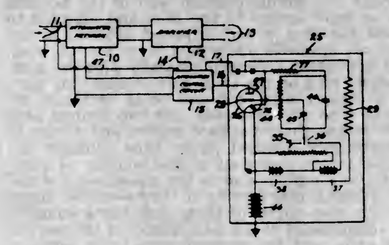
1. A piston having a skirt consisting of a single piece of metal with diametrically opposite wrist pin bearings and opposed sectors upon opposite sides of the diameter passing through said bearings, each sector having a plurality of expansion slots extending from the bottom of the piston to the top of the skirt and extending over the larger portion of the circumferential area of said sectors with passages extending from each slot to the interior of the piston, said slots being adapted for receiving expanding means.

2,462,551
AMPLITUDE CONTROL
Darwin S. Renner, Dallas, Tex., assignor to Geophysical Service Incorporated, a corporation of Delaware
Application November 5, 1942, Serial No. 464,607
1 Claim. (Cl. 178—44)



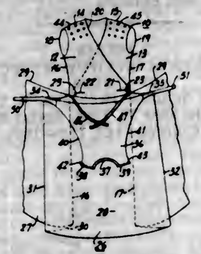
In an automatic gain control system for a vibratory event in a seismic amplifier the combination of, an attentuation network having input and output terminals, a plurality of resistors interconnecting said terminals, at least some of said resistors being filamentary and adapted to adjust attenuation by heating thereof, and means including a source of alternating current of a frequency widely displaced from the frequencies of the vibratory event, said source being connected to said resistors for conductively varying the heating of the resistors in a predetermined manner to control the output of the network.

2,462,552
INITIAL ATTENUATOR CONTROL
Darwin S. Renner, Dallas, Tex., assignor to Geophysical Service Incorporated, a corporation of Delaware
Application January 25, 1943, Serial No. 473,443
1 Claim. (Cl. 178—44)



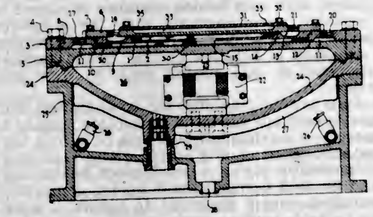
A seismic recording system comprising in combination, a signal channel, volume control means in said channel, initial attenuator control means operatively connected to said channel and control means for modifying the operation of said first mentioned means during the initial period of arrival of high amplitude input energy to the channel, said attenuator control means comprising a thermionic tube and means manually operable to preselect a plate current therethrough for modifying the operation of the volume control means, and means operable by a signal in the signal channel to bias the tube beyond cut off during the period of arrival of low amplitude input energy to the channel.

2,462,553
MATERNITY DRESS
Hannah E. Rose, Crafton, Pa.
Application November 15, 1946, Serial No. 710,192
2 Claims. (Cl. 2—76)



1. A maternity dress consisting of a circumferentially continuous lower body covering skirt loosely fitting the body and provided with vertical pleats folded and retained to the back, a waist having upper body covering portions including a back panel and overlapping front flaps with their lower edges substantially at the waistline, the back panel of said waist being attached to the skirt back centrally thereof, means to adjustably draw and retain the back portion of the skirt at the waistline to fit the body, a bib attached to the skirt front between the pleat forming portions, and means to adjustably retain the bib under or over the waist flaps adjacent the shoulder of the waist to drop the front portion of the skirt upon increase of girth and maintain an even skirt hem.

2,462,554
APPARATUS FOR SONIC PULVERIZATION AND DISPERSION OF MATERIALS
Thomas Robinson, New York, N. Y., assignor to Lancaster Processes, Inc., New York, N. Y., a corporation of New York
Application August 23, 1944, Serial No. 550,728
7 Claims. (Cl. 241—153)

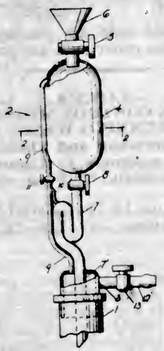


1. Apparatus for treating fluent material, which comprises not less than three superposed diaphragms united at their peripheries and having central portions unconnected and closely spaced from one another to form a plurality of superposed chambers, at least one of said diaphragms being apertured to provide communication between successive chambers, a layer of impact elements loosely confined, between said diaphragms, means for fixedly supporting the peripheries of said diaphragms, means for vibrating one of said diaphragms and thereby imparting vibrational motion to said elements and other diaphragms, and connections for passing said fluent material successively through said communicating chambers.

2,462,555
COPOLYMERS OF STYRENE AND 4,4'-DIVINYL-BIPHENYL
Fritz Rosenthal, Crescent Park, Bellmawr, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application November 24, 1945, Serial No. 630,684
8 Claims. (Cl. 260—86)

1. A resinous copolymer composition comprising the product of copolymerization of a mass comprising styrene and an amount of 4,4'-divinylbiphenyl equal to from 1 to 5 percent by weight of the styrene.

2,462,556
DROPPING FUNNEL
Walter Rosenthal, New York, N. Y.
Application August 21, 1947, Serial No. 769,805
1 Claim. (Cl. 23—252)



A continuous feeder funnel for controlled closed vessel chemical operations in a reactor chamber, comprising a double bend or N-shaped conduit to said reactor chamber arranged at the bottom of the funnel and provided with a valve closure; a bleed line connection between the upper portion of the feeder funnel and the reactor chamber, provided with a valve closure; and a bleed line connection by a second conduit leading from the first bleed line to the upper portion of the N-shaped bend.

2,462,557
HEAT PUMP MEANS FOR CONTROLLING THE TEMPERATURE OF THE WALLS OF A ROOM
Carl M. Santee, Dixon, Ill.
Application October 8, 1947, Serial No. 778,702
3 Claims. (Cl. 62—129)

3. A heat pump for controlling the temperature of a space, comprising an enclosure for said space including a wall formed with spaced internal, external and intermediate panels spaced apart to form parallel internal and external vertical air passages, said internal and external panels being of material of relatively good heat conducting properties and said intermediate panel being of heat insulating material, said air passages communicating with each other at their upper and lower ends, and a heat pump

mechanism comprising separate heat exchangers in said air passages arranged to function as a

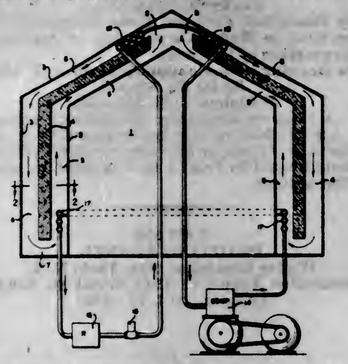
cut off fluid-pressure from said source of supply to said fluid-actuated operating device, the other of said controllers being responsive to fluid-pressure in said fluid-actuated operating device and

ond friction-drive band is operated to reset said carriage.

15. In a sewing machine, the combination of a base-plate having a vertical aperture therein; a

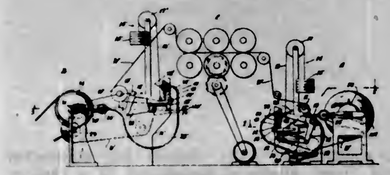
ranged in a path of predetermined configuration, a transformer having a main circuit connected thereto and a secondary circuit, a portion of said secondary circuit including a bus bar comprising segments extending in the direction of

mechanism comprising separate heat exchangers in said air passages arranged to function as a



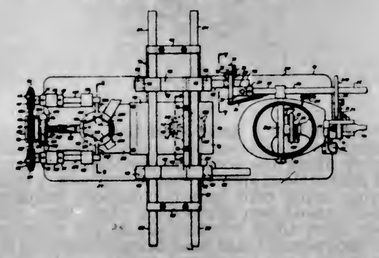
condenser in one said air passage and as an evaporator in the other said air passage.

2,462,558
TENSION CONTROL MEANS FOR RUNNING WEBS
Joseph S. Scheuermann and Thomas N. Carter, Chicago, Ill., assignors to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application June 15, 1944, Serial No. 540,444
4 Claims. (Cl. 242—75)



1. In a machine employing tension control for a tensioned running web of flexible material, in which machine a variable speed-control device is subjected to a progressively varying load of wound web material and in which the effectiveness of said speed-control device is varied by a movement of traverse, as well as by reciprocations, of a reciprocatory carriage having a roll that engages a bight in said running web, and in which both the movement of traverse and the reciprocations of the carriage are controlled by said web under tension acting on said roll and by a power device for exerting a force on the carriage in opposition to that exerted by the web on said roll, means to vary the effectiveness of said speed-control device in response to a progressive change, as well as to fluctuations, in tension of the web including: a fluid-actuated operating device connected to control the speed-control device, a duct leading from a source of supply of fluid under pressure to said fluid-actuated operating device, valve-mechanism interposed in said duct to control the passage of fluid from the source of supply to the fluid-actuated operating device or from the fluid-actuated operating device to an exhaust, two controllers for said valve-mechanism acting in opposition to each other, and means to operate one of said controllers in response to movements of said carriage and to the action of the other controller to admit or cut off fluid-pressure from said source of supply to said fluid-actuated operating device, the other of said controllers being responsive to fluid-pressure in said fluid-actuated operating device and to the action of the first-mentioned controller to open or close said exhaust.

2,462,559
AUTOMATIC CONTOUR-STITCHING MACHINE
Saul Schiller, Brooklyn, N. Y.
Application October 29, 1946, Serial No. 706,456
15 Claims. (Cl. 112—102)

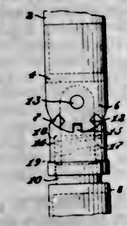


6. In a sewing machine, the combination with a base; a carriage having a rack-plate; means to support said carriage on said base to permit universal movement of said carriage and rack-plate in a horizontal plane; a work-piece holder supported by said carriage, said holder comprising clamping-members arranged to secure a work-piece to said holder; drive-means arranged to move said carriage through a sewing cycle, said drive-means comprising a shuttle-shaft, a pinion-member arranged to cooperatively engage the rack-plate of said carriage, and a friction-drive band cooperatively associated with said shuttle-shaft arranged to transmit step-by-step rotary motion to said pinion-member; a brake-band arranged to engage said pinion-member to hold the latter stationary between successive steps; and a second friction-drive band in engagement with said pinion-member arranged to be actuated simultaneously with the actuation of said work-piece clamping-members to reverse the direction of rotation of said pinion-member at the end of said sewing cycle to reset said carriage.

9. In a sewing machine, the combination with a base; a carriage having a rack-plate; means to support said carriage on said base to permit universal movement of said carriage and rack-plate in a horizontal plane; a work-piece holder supported by said carriage, said holder comprising clamping-members arranged to secure a work-piece to said holder; drive-means arranged to move said carriage through a sewing cycle, said drive-means comprising a friction-drive band constructed and arranged to transmit step-by-step movement to said carriage; a brake-band cooperatively associated with said drive-means to hold said carriage stationary between successive steps; a second friction-drive band cooperatively associated with said drive-means to reverse the direction of movement of said carriage at the end of said sewing cycle; operating-means connected to said clamping-members and said second friction-drive band to simultaneously clamp a work-piece to said holder and reset said carriage prior to the start of the next sewing cycle; and means arranged to automatically disassociate said brake-band from said drive-means when said second friction-drive band is operated to reset said carriage.

15. In a sewing machine, the combination of a base-plate having a vertical aperture therein; a pair of spaced-parallel guide-rods; means arranged to support said guide-rods in a horizontal plane above the horizontal plane of said base-plate for longitudinal movement transversely to the longitudinal axis of said base-plate; a pair of spaced-parallel bearing-brackets secured to said guide-rods adjacent opposite ends thereof respectively, each bracket having a depending hanger provided with a bearing-aperture, the longitudinal axis of which extends substantially parallel to the longitudinal axis of the base-plate; a rack-plate; means to support said rack-plate in a horizontal plane immediately above the horizontal plane of said base-plate comprising a second pair of spaced-parallel guide-rods, each of said second pair of guide-rods being slidably supported in one of the said bearing-apertures of said brackets for longitudinal movement substantially at right angles to the said first pair of guide-rods; a member arranged to secure said rack-plate to the said second pair of guide-rods; and a pinion arranged to project upwardly through the aperture of said base-plate and to engage said rack-plate to transmit substantially universal movement thereto in a horizontal plane.

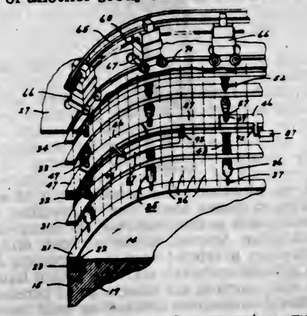
2,462,560
TILTABLE UMBRELLA
Edward Schmidt, Rutherford, N. J.
Application October 28, 1947, Serial No. 782,486
2 Claims. (Cl. 135—46)



1. A tiltable umbrella comprising a staff divided into upper and lower sections, a bifurcated member and a tongued member fitting on the opposed ends of the staff sections, means pivotally interconnecting said members to permit the upper staff section to incline relatively to the lower staff section, a series of sockets on the bifurcated member directed toward the tongued member, a sleeve fitting slidably on the tongued member and movable toward and from the sockets, a tooth on the sleeve, said tooth being opposed to and selectively engageable with the sockets so as positively to lock the upper staff section in adjusted position, and resilient means urging the sleeve toward the bifurcated member to hold the tooth in one of said sockets.

2,462,561
WELDING APPARATUS
Siebert Schneider, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application September 8, 1947, Serial No. 772,704
10 Claims. (Cl. 219—4)

1. In an electric welding machine, the combination of a single column of electrodes stationed in spaced relation to one another and arranged in a path of predetermined configuration, a transformer having a main circuit connected thereto and a secondary circuit, a portion of said secondary circuit including a bus bar comprising segments extending in the direction of said path of predetermined configuration of said single column of electrodes, a first segment of said bus bar being insulated from a second segment thereof, said single column of electrodes being normally out of connection with said bus bar segments and divided into groups, the electrodes of one group being adapted for connection to said first segment and the electrodes of another group thereof being adapted for



connection to said second segment, a guide extending parallel to the direction of said path of said single column of electrodes, a pair of elements associated with said guide and spaced a predetermined distance from one another therealong, means for moving said elements in unison along said guide and for connecting an electrode of each of said groups thereof with its respective bus bar segment sequentially throughout the length of said single column of electrodes, and means for causing energization and deenergization of the electrodes during a portion of their connection with said bus bar segments whereby each individual electrode of said single column thereof makes one of a series of welds.

2,462,562
LAMP DEVICE
John Schwab, Winnipeg, Manitoba, Canada
Application February 23, 1945, Serial No. 579,385
2 Claims. (Cl. 240—10)

1. A decorative lamp holder comprising a transparent disc member having its peripheral edge beveled, there being an opening centrally disposed and extending through said member, and a lamp holding means arranged in superposed relation with respect to said opening and mounted on said member, said means embodying a flat annular portion provided with a centrally disposed lamp-receiving opening, disc-engaging means extending from said flat annular portion and a plurality of prong elements disposed about

the edge of said portion adjacent the lamp-receiving opening and projecting rearwardly so as to provide a socket for resiliently supporting the rear portion of the lamp, whereby said beveled periphery will be illuminated by light transmitted from said lamp through said disc mem-

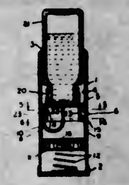
to the inner sides of said band, a shaft extending into said drum, a hub on said shaft, pivotal connections between said hub and the inner ends of said arms, spring means carried by said hub and bearing against each of said arms for bias-

enveloping said skirt portion and in resilient contact with said skirt portion at a position below the upper end of said piston ring member; an in-

surface of said target in proportion to the charge image thereon, and an electrode for accelerating the remainder of the electrons from said auxiliary source to bombard said screen.

the edge of said portion adjacent the lamp-receiving opening and projecting rearwardly so as to provide a socket for resiliently supporting the rear portion of the lamp, whereby said beveled periphery will be illuminated by light transmitted from said lamp through said disc member.

2,462,563
PORTABLE ATOMIZER
Rome C. Seyforth, Shelby, Ohio
Application July 31, 1945, Serial No. 608,057
3 Claims. (Cl. 299—68)



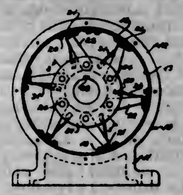
3. In an atomizer, the combination of a casing having a closed lower end, a member reciprocable in said casing adapted to compress air in the portion thereof adjacent such end, said casing having a lateral opening exposing a side portion of said member and the latter having a vent in such portion for discharge of compressed air, a liquid container carried by said member, the latter being provided with a passage having its ends below the level of the liquid in said container and respectively opening within and without said container and providing the sole means of communication between the interior and exterior of the latter, the outer end of such passage being located transversely adjacent to such vent, a gasket in said casing above the outer end of such passage, and a compression spring interposed between said member and casing, said spring yieldably urging said member upwardly to effect sealing engagement between the outer end of such passage and said gasket.

2,462,564
SEPARATION OF POLYMERS
John R. Skeen, Philadelphia, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application February 9, 1945, Serial No. 577,144
6 Claims. (Cl. 260—96)

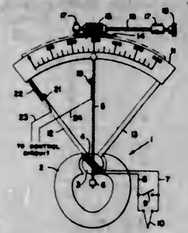
6. Method of separating polymers comprising chain-like molecules of varying molecular weight into fractions of different average molecular weights which comprises forming a solution of said polymers and a saturated hydrocarbon solvent, percolating the solution through a bed of silica gel to selectively adsorb a portion of the polymers while leaving in solution polymers of higher average molecular weight than those adsorbed and separating from the adsorbent the treated solution containing the polymers of higher average molecular weight.

2,462,565
ONE-WAY EXPANSIBLE BAND BRAKE
Franklin N. Smith, Aurora, Ill.
Application August 13, 1946, Serial No. 690,155
2 Claims. (Cl. 188—77)

1. In a braking device, the combination of a brake drum, an expansible and contractible band therein, a plurality of arms pivotally connected to the inner sides of said band, a shaft extending into said drum, a hub on said shaft, pivotal connections between said hub and the inner ends of said arms, spring means carried by said hub and bearing against each of said arms for biasing said band toward expanded position, and means limiting expansion and contraction of said band, said last-mentioned means comprising a slotted tongue secured to one end of said band and extending beneath the opposite end of said band, and bolts extending into said slot.



2,462,566
CONTROL INSTRUMENT
Edgar M. Smith, Trenton, N. J., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 18, 1946, Serial No. 704,136
5 Claims. (Cl. 200—56)

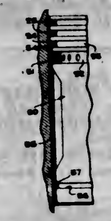


5. In a control instrument, a pointer movable from a zero position to various positions dependent upon the value of a variable condition, a first control element carried by said pointer, a second control element, a movable member mounted for movement through a path parallel to the path of movement of said pointer, a temperature responsive means to support said second control element on said member whereby as the ambient temperature varies the position of said second control element relative to said member will be varied, said control elements cooperating to produce a control operation when said first and second control elements are in a given relative position, and means to move said member through its path to various positions relative to the zero position of said pointer.

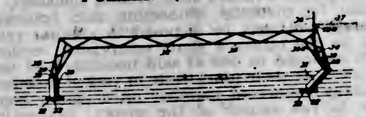
2,462,567
PISTON CONSTRUCTION FOR INTERNAL-COMBUSTION ENGINES AND SLEEVELIKE PISTON RING CONSTRUCTION THEREFOR
Roger W. Stadiman, Los Angeles, Calif.
Application April 14, 1947, Serial No. 741,250
16 Claims. (Cl. 309—14)

1. A piston comprising a body having a head portion with at least three circumferential grooves and a skirt portion; a split sleeve-like piston ring member of thin sheet metal material

enveloping said skirt portion and in resilient contact with said skirt portion at a position below the upper end of said piston ring member; an inwardly turned flange on one end of said member partly filling an intermediate one of said grooves; and piston rings in such of said grooves as are left uncovered or partly filled by said sleeve.

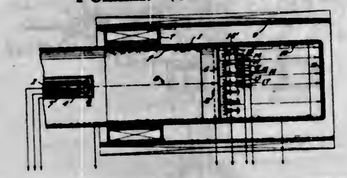


2,462,568
WATER KITE
Abram P. Steckel, Youngstown, Ohio
Application November 4, 1944, Serial No. 561,846
4 Claims. (Cl. 114—235)



1. A water craft comprising spaced substantially parallel buoyant vanes adapted to be largely submerged, and a bridge frame extending upwardly from the vanes and connecting them above the surface of the water, at least one of the vanes having a flat side disposed substantially vertical effective to develop pressure resisting lateral movement of the craft when towed by a line secured adjacent one end of the frame and causing the craft to stand off abeam of the towing means at an angle greater than 45° with the course of the latter.

2,462,569
TELEVISION RECEIVING TUBE WITH STORAGE PROPERTIES
George C. Szikiai, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 11, 1946, Serial No. 696,151
4 Claims. (Cl. 250—150)

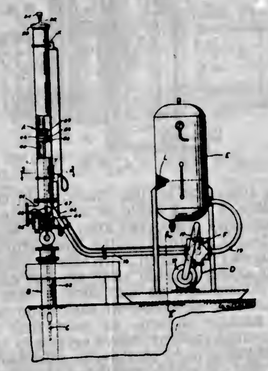


1. A television reproducing tube comprising an envelope containing a cathode ray beam gun, an imperforate target, means for producing a field for scanning the beam from said gun over one side of said target to produce a charge image thereon, a fluorescent screen spaced from the other side of the target, an auxiliary source of electrons between said screen and said target, an anode for projecting part of the electrons emitted by said auxiliary source onto the other surface of said target in proportion to the charge image thereon, and an electrode for accelerating the remainder of the electrons from said auxiliary source to bombard said screen.

2,462,570
METHOD OF FORMING PRINTING PLATES
Bennett F. Terry, Stamford, Conn.
Application February 3, 1944, Serial No. 520,861
2 Claims. (Cl. 204—6)

1. The method of forming a printing plate consisting of the step of processing the surface of a carrier to make it toothed, roughened or grained, the step of coating said surface with a thin silver halide emulsion, whereby the outer surface of said emulsion conforms to said toothed, roughened or grained surface, the further step of photographing the matter to be reproduced on said silver halide emulsion, and developing, fixing, and forming in said emulsion a tanned image of said matter, treating a wax material to make it electrically conductive, said material being adapted to set, the step of applying said material to the surface of said tanned emulsion under pressure and allowing it to set, the step of removing said material from said emulsion after the same has been set, the step of electro-depositing a metallic layer on the surface bearing said impression, and the final steps of removing said layer from said material and backing and mounting the same.

2,462,571
MAGNETIC STROKE CONTROL FOR CYLINDER AND PISTON MECHANISMS
Robert Hurd Thompson and Herbert Harvey, Los Angeles, Calif., assignors to Leo M. Harvey, Los Angeles, Calif.
Application November 28, 1944, Serial No. 565,549
6 Claims. (Cl. 121—148)



1. In combination, a cylinder, a movable element operable in the cylinder and including a piston, and a control operable by the said element including a magnet at the exterior of the cylinder, a magnet in the cylinder and carried by said element, and a carrier for the magnet in the cylinder and rotatably connected with the piston, one of

the magnets being movable and being adapted to move when the two magnets are opposite each other.

incidence with the axis of said marking tool and a rest position away from said tool, whereby both said marking tool and boring tool can be lowered

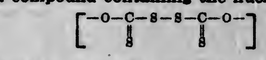
fluid delivery nozzle in spaced relation with the adjacent end of the tubular member, and said nozzle supporting means being resilient and when flexed toward the adjacent end of the tubular

end of said tube, an indicia carrying chart positioned with its center in alignment with the fixed end of said tube, and indicating means carried solely by said body on the free end of said tube and directly cooperating with the chart for in-

the magnets being movable and being adapted to move when the two magnets are opposite each other.

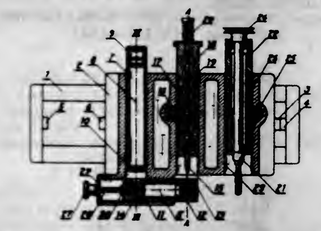
2,462,572
VULCANIZING RUBBERY BUTADIENE POLYMERS WITH DIXANTHIC DISULFIDES
Monte C. Throdahl, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application September 22, 1944, Serial No. 555,399
15 Claims. (Cl. 260—79)

1. A method of vulcanizing a vulcanizable rubbery polymer of a group consisting of polymers of butadiene-1,3 and methyl substitution products thereof and copolymers of these with copolymerizable aryl olefines and acrylonitriles which comprises adding to said rubbery polymer a dixanthic disulfide vulcanizing agent comprising a compound containing the nucleus



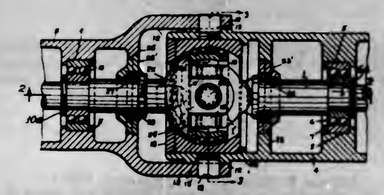
attached to saturated hydrocarbon groups and 0.1–1.0% of an organic mercaptan of the group consisting of alkyl mercaptans, aralkyl mercaptans and aryl mercaptans and heating the mixture at vulcanizing temperature in the absence of elemental sulfur for a time sufficient to effect a cure at least equivalent to 30 minutes at 141.5° C.

2,462,573
PRECISION MACHINE TOOL
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to Societe Genevoise D'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application October 22, 1947, Serial No. 781,457
In Switzerland November 24, 1944
Section 1, Public Law 690, August 8, 1946
Patent expires November 24, 1964
3 Claims. (Cl. 77—5)



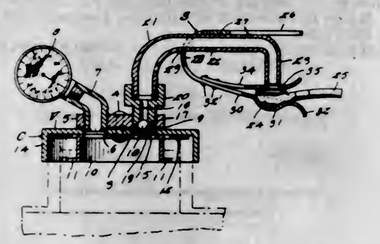
1. In a precision boring machine in combination a frame, a work table on said frame, a horizontal guideway supported above said work table on said frame, a tool-holder slide shiftable on said guideway between two fixed abutments, means for arresting said slide against said abutments, a microscope on said slide, a first guiding sleeve vertically shiftable in said slide, a marking tool axially slidable in said first guiding sleeve, a second guiding sleeve vertically shiftable in said slide in spaced relation to said first sleeve, a boring tool rotatably mounted in said second guiding sleeve, said first and second guiding sleeves being at a spacing from one another equal to the run of said slide on said guideway, and a prism assembly forming a part of said microscope shiftable parallelly to said guideway on said slide between a working position in which the optical axis of said microscope is brought in coincidence with the axis of said marking tool and a rest position away from said tool, whereby both said marking tool and boring tool can be lowered in succession onto the same point of the working piece which has been determined by the microscope.

2,462,574
JOINT FOR SHAFTS
Edward E. Wallace, Cleveland Heights, Ohio; Daisy T. Wallace administratrix of said Edward E. Wallace, deceased
Application September 28, 1942, Serial No. 459,943
7 Claims. (Cl. 64—4)



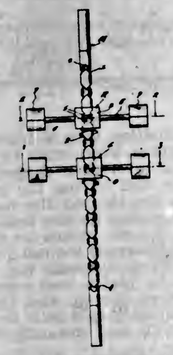
1. The combination with related housings, of means for pivotally connecting said housings, whereby one may be disposed in angular relation to the other, a shaft comprising sections each mounted in one of said housings and terminating at their inner ends in forked members pivotally connected together on a center common to the center of the pivotal connecting means for said housings, a bearing in each housing for the adjacent shaft section spaced from the forked member thereof, and bearing devices surrounding said forked members, one device being carried by the housing for one shaft section and the other device being carried by the forked member for the other shaft section, the opposed surfaces of said bearing devices being spherically curved about the center of said forked members.

2,462,575
PIPE COUPLING
Uel T. Walker, Hollywood, Fla.
Application December 27, 1944, Serial No. 569,950
5 Claims. (Cl. 285—108)



1. A cap for the filling opening of a fuel tank or the like, said cap including a head plate having an opening therethrough, a tubular member connected at one end with said opening for communication through the cap with the interior of the tank, the outer end of the tubular member being angled to open downwardly when the cap is in applied position, means carried by the tubular member and having spaced relation with the said outer end of such member for supporting a fluid delivery nozzle in spaced relation with the adjacent end of the tubular member, and said nozzle supporting means being resilient and when flexed toward the adjacent end of the tubular member functioning to shift a supported nozzle to position against the end of the tubular member.

2,462,576
WHIRLING TOY
Uel Theodore Walker, Hollywood, Fla.
Application December 28, 1945, Serial No. 637,634
1 Claim. (Cl. 46—47)

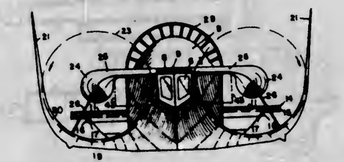


A toy of the class described comprising a long member of round cross-section, crossing spiral grooves extending along said member in substantially the same pitch, two rotating elements having bores through which the long member is freely disposed, and a pair of spaced pins carried by each of said rotating elements and projecting into the bore thereof, the pairs of pins of said elements engaging in separate grooves, said pins of each element being disposed in a plane oblique to the axis of the bore of the element in accordance with the pitch of the groove the pins of each pair being spaced apart a distance in excess of the width of the grooves, and the plane of the pins of one pair being perpendicular to the plane of the other pair for the engagement of the pairs of pins in separate grooves whereby to cause one element to rotate reversely to the other element.

2,462,577
WIND-PRESSURE GAUGE
James P. Warren, Freeport, Tex.
Application October 22, 1945, Serial No. 623,713
5 Claims. (Cl. 73—189)

2. A wind velocity indicator comprising a fixed support having an opening therethrough, a resilient flexible tube fixed at one end in the opening in said support and extending vertically therefrom, a wind displaceable body fixed to the free end of said tube, an indicia carrying chart positioned with its center in alignment with the fixed end of said tube, and indicating means carried solely by said body on the free end of said tube and directly cooperating with the chart for indicating deflections of said body.

2,462,578
POWER LIFT PLANE
Douglas K. Warner, Sarasota, Fla.
Application November 29, 1943, Serial No. 512,209
11 Claims. (Cl. 244—13)



7. In an airplane, a fuselage and propellers said fuselage having a depth of more than half the propeller diameter and at the section near said propellers having indented sides sloping upwardly inwardly in close conformation to the arcs transcribed by the tips of said propellers and wings extended outwardly, upwardly beneath said propellers from the lower portion of said fuselage forming troughs closely fitting the slip streams of said propellers, a wing extended outwardly from the top of said fuselage and having bent down, large diameter, streamlined, elipsoidal tips rearward of said propellers and said propellers turned in opposite directions so that all blades move upwardly in front of said wings and downwardly around said tips in a manner to blow air down around the said tips oppositely to normal wing tip vortex flow and to blow air periodically upwardly in front of said wing in a manner to produce a very rapid and favorable Katzmayr action on said wing, each time a propeller blade passes up in front of said wing.

2,462,579
MATTRESS
Lester W. Warner, Miami, Fla.
Application February 1, 1946, Serial No. 644,756
2 Claims. (Cl. 5—345)

1. A mattress made principally of sponge rubber and having an indentation of substantial size in one face near one end, and removable sponge rubber filler sections each substantially fitting the indentation, a plurality of the filler sections when placed one on top of the other substantially completely filling the indentation or partly filling it, according to the number used, and thereby providing an adjustable head-supporting surface.

2,462,580
HYDRAULIC VALVE AND HYDRAULIC POWER DEVICE EMBODYING SUCH VALVES
Cyril Daniel Watson, Farnborough, England
Application March 7, 1946, Serial No. 652,531
In Great Britain March 20, 1945
6 Claims. (Cl. 121—41)

1. A device of the kind referred to comprising in combination: a hydraulic jack; a movable pis-

ton and a hollow piston rod in said jack; an abutment on said piston; a head on said jack, said head having a bore therein; a sleeve on said head,

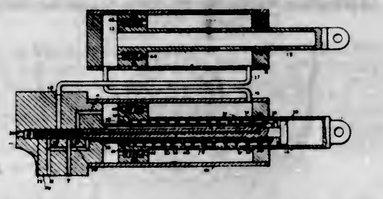
the direction of the plane of the shank also to admit an intermediate portion of the length of the yarn into the eye in threading the guide.

mittent suction effected through the suction opening, the tube being of a length substantially equal to the length of a teat with the lower

---

2,462,586
SEAL FOR RESISTING HIGH PRESSURES
David J. Whittingham, Watertown, N. Y., assignor to The New York Air Brake Company, a cor-

ton and a hollow piston rod in said jack; an abutment on said piston; a head on said jack, said head having a bore therein; a sleeve on said head, said sleeve extending within the body of said jack and said piston sliding on, and said hollow piston rod surrounding, said sleeve; a movable valve member slidable in said bore in said head for controlling the supply of pressure fluid to said jack; a rod-like extension on said valve member slidable within said sleeve; an abutment on the rear end of said rod-like extension; a spring located

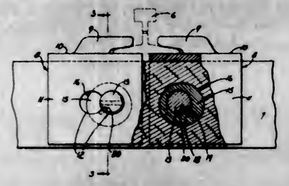


within said hollow piston rod and surrounding said sleeve, said spring bearing at one end against said piston abutment and at the other end against said abutment on said extension, and means for applying a selectively controlled hydraulic pressure to said valve member against the action of said spring whereby the resultant effort applied to said extension moves said valve member in a direction to cause displacement of said piston and said piston abutment in a direction appropriate for annulling said resultant effort.

2,462,581
WARP GUIDE
Thomas E. Watson, Tewksbury, Mass., assignor to Heinze Electric Company, Lowell, Mass.
Application August 8, 1945, Serial No. 609,537
1 Claim. (Cl. 28—54)

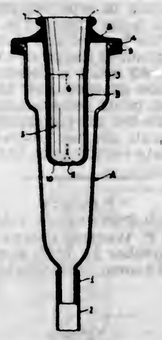
A warp guide for lease combs having in combination a flat shank and dents formed integrally therewith by splitting one end of the guide, the dents at points adjacent their junction with the shank being disposed in mutually diverging relation away from the plane of the shank, thereafter converging and crossing to define an eye to guide a warp yarn, and after crossing being continued substantially beyond the eye in parallel to each other on opposite sides of the plane of the shank, the dents being spaced apart from each other in the direction of the plane of the shank also to admit an intermediate portion of the length of the yarn into the eye in threading the guide.

2,462,582
RAIL FASTENING MEANS FOR WOOD TIES
John K. Wedgworth, York, Ala.
Application January 29, 1948, Serial No. 5,048
4 Claims. (Cl. 238—275)



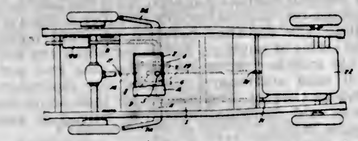
1. The combination with a track rail having base flanges and a wood cross tie beneath the rail, of a pair of inverted U-shaped tie plates to straddle the tie and having top portions positioned between the tie and the base flanges of the rail and depending flanges positioned on opposite sides of the tie, means on the tie plates to grip the base flanges of the rail, fastening bolts passing transversely through the tie and the flanges of the tie plates, and eccentric means positioned between the tie and the bolts, and operable by rotation of said bolts to move the tie plates downwardly and inwardly toward each other.

2,462,583
TEAT CUP
Alfred C. Welby, Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis., a corporation of Delaware
Application June 4, 1945, Serial No. 597,525
3 Claims. (Cl. 31—84)



1. A teat cup device for milking machines comprising an outer shell of relatively rigid material and having a suction opening therein, a flexible collar releasably secured to the upper end of the shell and having an integral teat receiving tube extending downwardly into the shell from a point spaced radially inwardly from the outer periphery of the shell, and with the lower end of the tube being suspended for free movement within the shell, whereby the entire tube may move axially of the shell when the collar is flexed under pulsating action produced by intermittent suction effected through the suction opening, the tube being of a length substantially equal to the length of a teat with the lower end of the teat located at the lower end of the tube when the latter is in position on a teat and the lower end of the tube having an inwardly directed flange forming a bottom wall support for the lower end of the teat.

2,462,584
NONSKID DEVICE FOR AUTOMOBILES
Charles H. Welch, Flint, Mich., assignor of twenty-five per cent to Wrex A. Weaver, Flint, Mich.
Application June 8, 1948, Serial No. 31,640
1 Claim. (Cl. 291—34)



The combination with an automobile having rear wheels, a floor and an exhaust pipe extending beneath said floor, of a sand box resting on said floor and having a sand delivery opening in its bottom, said floor having an opening registering with the first opening, a pair of spaced L-shaped guides extending longitudinally of and beneath the floor, a sliding valve mounted in said guides and having a sand delivery opening therein, a spring connecting the automobile frame and the valve, the spring normally holding the last opening out of registry with the floor opening, manually controlled means to move the valve against the action of the spring and bring the valve and floor openings into registry, a bearing plate held to the lower side of said guides, a main sand duct extending transversely of the automobile and held against said plate, said bearing plate and sand duct having registering openings aligned with the floor opening, said exhaust pipe extending along the longitudinal axis of and within the major part of said duct and close below said valve, and delivery nozzles extending downwardly from the ends of said duct to terminate in front of said rear wheels.

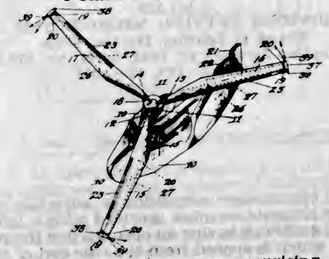
2,462,585
SEAR MECHANISM
Victor H. Wesson, deceased, late of Palmer, Mass., by Springfield Safe Deposit and Trust Company, executor, Springfield, Mass., assignor to Eleanor M. Wesson, Palmer, Mass.
Application August 31, 1945, Serial No. 613,928
14 Claims. (Cl. 42—69)

4. A firearm having in combination a spring-actuated pivoted hammer, a trigger, a roller clutch device operative to hold the hammer at any degree of cock, and trigger-actuated means for releasing the hammer from any cocked position.

2,462,586
SEAL FOR RESISTING HIGH PRESSURES
David J. Whittingham, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 2, 1946, Serial No. 638,626
2 Claims. (Cl. 309—23)

1. A guard ring for resisting extrusion of rubber-like sealing rings into the working clearance of cylinder-piston assemblies of the type in which a groove in one component of the cylinder-piston assembly has a conical side portion and contains a rubber-like sealing ring which seals against the cylindrical face of the other component of said assembly, said guard ring being of substantially triangular cross-section and having a conical face face adapted to mate with the conical side portion of the groove in said one component, a cylindrical face adapted to mate with the cylindrical face of said other component, and a third face adapted to be presented toward said rubber-like ring, said guard ring being of hard elastic material and split so that it may expand and contract as it moves in contact with the conical side portion of the groove, the split being of stepped configuration and comprising a slender tongue which projects from the portion of the ring at one side of the split, overlaps the split and seats on a mating surface in a recess formed in the ring at the other side of the split, said mating surface being substantially parallel with and said recess being formed in said third face of the guard ring, the tongue and the recess with which it coacts having inclined ends whereby the tendency to pinch the rubber-like ring is minimized.

2,462,587
JET PROPELLED HELICOPTER ROTOR
Albert R. Wilcox, Washington, D. C.
Application December 21, 1944, Serial No. 569,182
4 Claims. (Cl. 170—135.4)



1. A helicopter rotor vane comprising an air

admission and mixing chamber, disposed axially of the vane and having air inlet shutters extending along the leading edge of the vane, fuel inlet means opening into said mixing chamber, a com-

said guideway for longitudinal movement therein, said stationary member having adjacent the rear end of said open portion of, and substantially in line with said guideway means for accurately po-

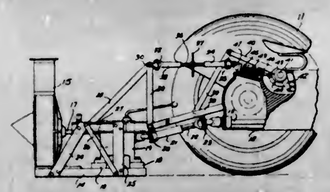
---

2,462,591
TREATMENT OF SYNTHETIC RUBBER LATEX
Erving Arundale, Westfield, N. J., assignor to

carbon material and by distillation from a pitch-containing tar emulsion obtained in the vapor phase pyrolysis of petroleum oil in the presence of steam, said pitch resin being characterized by a content less than 20% its weight of material

admission and mixing chamber, disposed axially of the vane and having air inlet shutters extending along the leading edge of the vane, fuel inlet means opening into said mixing chamber, a combustion chamber disposed parallel to and in juxtaposition with the mixing chamber and in continuous but restricted communication therewith, igniting means in said combustion chamber, jet tubes positioned at the outer ends of the vane and discharging rearwardly thereof, port means connecting both said chambers with said jet means.

2,462,588
GRAIN BLOWER DRIVE MECHANISM
Edward J. Wondra, Mayville, Wis.
Application June 6, 1947, Serial No. 753,136
1 Claim. (Cl. 230—39)

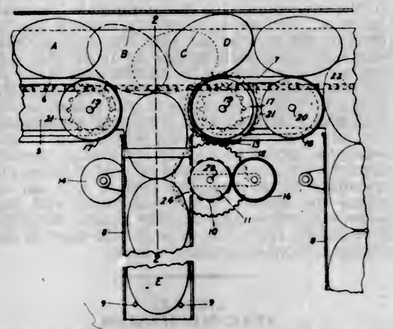


The combination with a tractor having a frame, a power take-off shaft, and a hydraulic lift mechanism, of a grain blower attachment mounted on the rear of said tractor, said attachment comprising a supporting frame, a blower unit including a rotor mounted on said supporting frame, a speed-changing transmission unit mounted on said supporting frame intermediate the tractor and said blower unit, means connecting the driven shaft of the transmission unit to the blower rotor, shaft means, means connecting the ends of the shaft means respectively to the driving shaft of the transmission unit and to the power take-off shaft of the tractor for universal pivotal movement, said shaft means comprising a sleeve member and a rod member telescopically and non-rotatably received in said sleeve member to permit axial movement of said rod relative to said sleeve, means yieldably connecting the upper portion of said supporting frame to the frame of the tractor and including means for adjusting the angular position of said supporting frame, and means operatively connected to the hydraulic lift mechanism of the tractor for adjusting the vertical position of said supporting frame for elevating the latter during the transportation of said grain blower attachment.

2,462,589
DIVIDER SETTING MICROMETER
Frank E. Zehring, Dayton, Ohio
Application January 17, 1945, Serial No. 573,258
7 Claims. (Cl. 33—164)

2. A micrometer comprising a normally stationary elongate member provided with a longitudinal guideway having an open portion the rear end of which is spaced from the rear end of said member, a second elongate member mounted in said guideway for longitudinal movement therein, said stationary member having adjacent the rear end of said open portion of and substantially in line with said guideway means for accurately positioning one arm of a divider at a point fixed with relation thereto, said movable member having means for accurately positioning the other arm of said divider at any one of a series of points thereon spaced equal distances one from the other lengthwise of said guideway, the rearmost positioning point of said series being spaced from the positioning point of said stationary member a distance equal to the distance between adjacent positioning points of said series when said movable member is in its rearmost position, said movable member also having means for positioning the last mentioned arm of said divider at a point thereon normally spaced from the positioning means on said stationary member a distance less than the distance between adjacent points of said series of points, a device for actuating said movable member mounted on the rear end portion of said stationary member for movement lengthwise thereof, and means for indicating the distance said movable member is moved by said actuating device.

2,462,590
CAN-MARKING DEVICE
John Albertoli, San Francisco, Calif.
Application January 21, 1946, Serial No. 642,489
1 Claim. (Cl. 101—37)

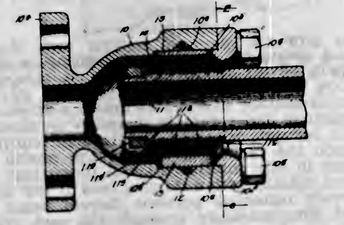


In a machine for marking a side of a can, a vertical chute for said cans and having a window in one side, means for feeding cans into said chute, a belt pulley at the upper end of the chute adjacent the window provided side, a shaft whereon said pulley is fixed, a second belt pulley spaced from the first pulley, a belt trained around said belt pulleys for supporting on its upper run cans overrunning the chute when filled, a shaft whereon said second pulley is fixed, driving means for said first shaft, a marker-wheel having a segmental portion projecting into the chute through said window, a rotatable shaft whereon said marker-wheel is fixed, gearing connecting said first and third shafts and moving the surface of the marker-wheel in synchronism with said belt, and stops at the lower end of said chute positioned to cause the column of cans in the chute to be held so that abutting ends of two adjacent cans in the chute lie opposite and free from said marker-wheel.

2,462,591
TREATMENT OF SYNTHETIC RUBBER LATEX
Erving Arundale, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 1, 1946, Serial No. 673,899
9 Claims. (Cl. 260—84.5)

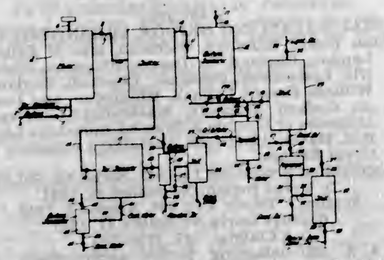
1. The process of improving the creaming of synthetic latices obtained by the polymerization of a conjugated compound selected from the group consisting of butadiene, isoprene, piperylene, dimethyl butadiene and 2-chlorobutadiene-1,3 in aqueous emulsion using an ammonium soap emulsifier which comprises adding formaldehyde to said latex to react with the emulsifier to make the latex unstable and to increase the particle size of the latex and then adding an alkali to the latex to render it stable.

2,462,592
FLEXIBLE JOINT
Francis N. Bard, Highland Park, Ill.
Application October 5, 1944, Serial No. 557,244
5 Claims. (Cl. 285—90)



1. A joint of the character described, including: an outer joint member; an inner joint member, said members having spaced confronting surfaces, at least one of the confronting surfaces being cylindrical; an annular eccentric member rotatable on said cylindrical surface; and resilient means between said annular member and the other of the confronting surfaces permitting angular movement between said joint members.

2,462,593
PITCH RESIN
Howard R. Batcheider, Chicago, Ill., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application August 17, 1945, Serial No. 611,130
6 Claims. (Cl. 196—152)

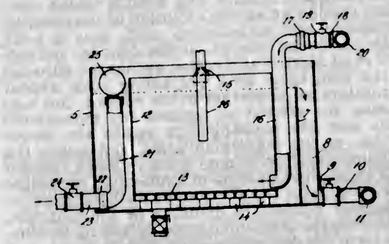


1. A pitch resin produced by demulsification and extraction with liquid phase aliphatic hydrocarbon material and by distillation from a pitch-containing tar emulsion obtained in the vapor phase pyrolysis of petroleum oil in the presence of steam, said pitch resin being characterized by a content less than 20% its weight of material soluble in pentane, by a content of material soluble in acetone and insoluble in petroleum ether less than 25% of the total non-oily material (excluding free carbon) insoluble in petroleum ether, and by its content of more than 95% carbon and hydrogen.

2,462,594
MULTIPOSITION SWITCH
James F. Beal, Renfrew, Ontario, Canada, assignor to Renfrew Electric & Refrigerator Company Limited, Renfrew, Ontario, Canada, a corporation of Canada
Application June 19, 1945, Serial No. 600,338
9 Claims. (Cl. 200—6)

1. In a multi-position switch, an insulated support member provided with a series of fixed contacts arranged in different planes, a movable insulated member provided with a series of spaced contacts arranged in different planes and selectively movable into and out of contact engagement with the fixed contacts arranged in different planes to establish a series of different load circuits, registrative means for indicating the different circuit establishing positions of the movable member and means for maintaining constant contact between at least one pair of the fixed contacts and movable contacts.

2,462,595
SCREENING
Fremont W. Benedict, Upper Darby, Pa.
Application August 3, 1945, Serial No. 608,719
3 Claims. (Cl. 210—150)



1. An apparatus for screening a liquid containing solids comprising a relatively stationary basin having an inside overflow weir spaced from the adjacent wall of the basin and providing therewith a liquid discharge channel, a discharge outlet in liquid communication with said channel near the bottom thereof, a portable receptacle

having an imperforate enclosing wall and a perforated bottom adapted to be lowered into operative position within said basin with its perforated bottom spaced from the bottom of the basin and with the top of its imperforate wall at a higher level than said liquid discharge, means connected

generating acid than are the polyamino acids when the ammonium hydroxide elutriation is omitted.

2,462,598
ROTATABLE DISK PERPETUAL CALENDAR

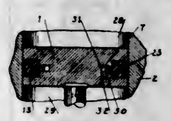
adjust a balancing component so as to tend to maintain said bridge balanced, including in combination a pair of fixed arms, a first adjustable arm having a non-linear characteristic including a portion of low slope and a second adjustable arm effectively connected to said first adjustable arm and to a point on said fixed arms

time continuously removing the forming water of esterification in the form of an azeotropic isolating the di-(2ethylhexyl) tetrachlorophthalate formed thereby.

2,462,602

having an imperforate enclosing wall and a perforated bottom adapted to be lowered into operative position within said basin with its perforated bottom spaced from the bottom of the basin and with the top of its imperforate wall at a higher level than said liquid discharge, means connected with said receptacle for supplying above and approximate the bottom thereof a liquid containing solids, a liquid discharge outlet communicating with said basin near the bottom thereof and having a control valve, a liquid discharge pipe within the basin and having a swivel connection with said discharge outlet, and means for maintaining the inlet of said discharge pipe approximate the liquid level in said basin.

2,462,596
PACKING
Arthur J. Bent, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 30, 1945, Serial No. 585,638
1 Claim. (Cl. 309—23)

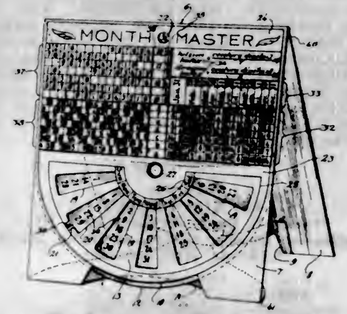


The combination in a packing structure of a pair of cooperating members having opposite coaxial cylindrical faces, one of said members having formed therein an annular packing groove open to its cylindrical face and an annular recess open to said groove, a yieldable packing element of normal circular cross section disposed in said groove and engaging the face of the other member and comprising an annular portion disposed within said recess, and a conduit connecting to atmosphere the bottom of said recess.

2,462,597
AMINO ACID SEPARATION
Richard J. Block, Scarsdale, N. Y., assignor to C. M. Armstrong, Inc., a corporation of New York
No Drawing. Application February 25, 1946, Serial No. 650,121
3 Claims. (Cl. 260—529)

1. In the separation of essential polyamino from monoamino acids, the method which comprises passing an aqueous solution of the essential polyamino and monoamino acids over a solid, water-insoluble phenol formaldehyde sulfonic acid resin serving as a cation exchanger adjusted to the acid cycle until polyamino acids appear in substantial proportion in the effluent, this step causing the effluent to contain the monoamino acids and the exchanger to retain the major portion of the polyamino acids, elutriating the exchanger and polyamino acids retained thereon with an aqueous solution of ammonium hydroxide and continuing the elutriation until ammonium hydroxide appears in quantity in the elutriate, to liberate the polyamino acids, collecting in solution form the polyamino acids thus liberated, and then treating the elutriated exchanger with a solution of a regenerating acid to remove ammonium hydroxide and thus adjust the exchanger to the acid cycle and in condition for reuse with a fresh portion of the acidic solution of the polyamino and monoamino acids, the ammonium hydroxide which liberates the polyamino acids being itself more easily liberated by the regenerating acid than are the polyamino acids when the ammonium hydroxide elutriation is omitted.

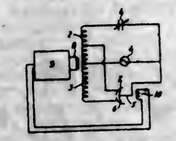
2,462,598
ROTATABLE DISK, PERPETUAL CALENDAR WITH INTERLACED SPIRAL FORMATIONS
Richard Blodget, Chicago, Ill.
Application February 15, 1945, Serial No. 577,989
2 Claims. (Cl. 40—113)



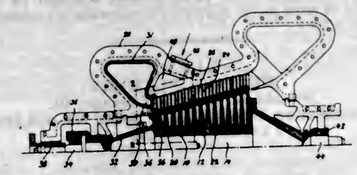
1. A perpetual calendar comprising, a static support having a grilled section, a computing section, and a calendar index register merging with an opening of the said grilled section; and a calendar dial rotatably mounted on the said static support, the said dial having imprinted thereon the numerical days of the month arranged in dual interlaced spiral formations and spaced initially with a starting lead of 180° seven alternate columnar portions thereof being exposed simultaneously through the said grilled section, the composite interlacing of the said spiral formations resulting in 28 calendar indices, each of the said indices adapted to be exposed alternately through the said calendar index register, the said numerical days of the month being imprinted twice only up to and including the numeral 28 but all of the numerical days being consecutively arranged for each of said spiral formations, one of said spiral formations terminating with the numeral 30 in which the numeral 29 appears once, the other of said spiral formations terminating with the numeral 31 in which the numeral 29 appears twice and the numeral 30 appears once, the numerals 30 of said one spiral and 31 of said other spiral formation appearing but once in each of said spiral formations and being preceded by a blank space.

2,462,599
SELF-BALANCING BRIDGE ARRANGEMENT
Alan Dower Blumlein, deceased, late of Ealing, London, England, by Doreen Blumlein, executrix, Lescudjack, Penzance, Cornwall, England, William Horace Connell, Hillingdon, and Dennis Godson Holloway, Maidenhead, England, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England, a company of Great Britain
Application September 11, 1943. Serial No. 501,952
In Great Britain November 21, 1941
Section 1, Public Law 690, August 8, 1946
Patent expires November 21, 1961
5 Claims. (Cl. 323—75)

4. A self-balancing bridge arrangement in which out-of-balance voltages or currents developed in said bridge in operation are caused to adjust a balancing component so as to tend to maintain said bridge balanced, including in combination a pair of fixed arms, a first adjustable arm having a non-linear characteristic including a portion of low slope and a second adjustable arm effectively connected to said first adjustable arm and to a point on said fixed arms and connected to oppose said balancing component and means operated in response to said out-of-balance voltages or currents, and effectively coupled to said adjustable arms so that the admittances of said first and second adjustable arms are changed in opposite senses and at different rates for equal changes in said adjustable arms whereby the characteristic of said balancing component is effectively modified so as to increase the slope of said portion of low slope.



2,462,600
TURBINE
Gustav Karl William Boestad and Erik Otto Erikson, Lidingo, Sweden, assignors, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application November 10, 1943, Serial No. 509,800
In Sweden January 16, 1943
3 Claims. (Cl. 60—41)



1. In a turbine, a rotor having a blade carrying structure and blades carried by said structure, said blades and said blade carrying structure being of different materials, the blade material being an austenitic steel and the material of the blade carrying structure being a martensitic steel, and means for cooling the blade carrying structure of the rotor.

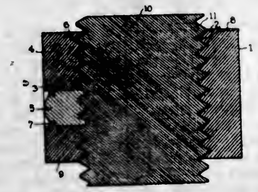
2,462,601
TETRACHLOROPHTHALIC DIESTERS
George J. Bohrer, Troy, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 15, 1946, Serial No. 641,412
3 Claims. (Cl. 260—475)

1. The method of preparing di-(2-ethylhexyl) tetrachlorophthalate which comprises (1) heating at a temperature of from 150 to 215° C. a mixture consisting of (a) 2-ethylhexanol, (b) a chlorinated compound selected from the class consisting of tetrachlorophthalic acid and tetrachlorophthalic anhydride, and (c) an esterification catalyst, the ingredients (a) and (b) being present in a molar ratio of from 2 to 8 mols of the former per mol of the latter, (2) continuing the heating of the mixture while at the same time continuously removing the forming water of esterification in the form of an azeotropic isolating the di-(2ethylhexyl) tetrachlorophthalate formed thereby.

2,462,602
PREPARATION OF VINYL ETHERS
Donald G. Botteron, Syracuse, N. Y., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application September 7, 1946, Serial No. 695,547
4 Claims. (Cl. 260—614)

1. A process of preparing a mixed vinyl lower-alkyl ether which comprises admixing the corresponding 1-chloroethyl lower-alkyl ether with pyridine and heating the mixture.

2,462,603
THREADED LOCKING DEVICE
Edmund R. Boots, Short Hills, N. J., assignor to The Nylok Corporation, New York, N. Y., a corporation of Delaware
Application March 1, 1945, Serial No. 580,387
2 Claims. (Cl. 151—7)



1. As a new article of manufacture, a self-locking nut provided with an internal screw thread, said nut being provided with a hole extending substantially radially through one side of the nut and through the internal thread, the internal screw thread opposite said hole being continuous, a plug of resilient plastic material seated in and fitting said hole and extending into said internal screw thread, holding means on said nut engaging the outer portion only of said plug, and comprising the sole means for preventing the outward movement of said plug, said plug being adapted to be pressed by the thread of the bolt when it is applied to the bolt, to be forced against said holding means, the reactive force of said pressure serving to force the nut and bolt in opposite directions laterally so that the nut and bolt threads opposite said plug are forced into tight frictional engagement.

2,462,604
WATER FILTER
Percival Lionel Boucher, Troon, Ayrshire, Scotland, assignor to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland, a corporation of Great Britain and Northern Ireland
Application June 11, 1946, Serial No. 676,083
In Great Britain March 9, 1945
2 Claims. (Cl. 210—199)

1. In an automatic self-cleaning water filter including a rotary drum mounted with its axis substantially horizontal, the periphery of the drum consisting essentially of a woven wire fabric screen, one end of the drum being open for water to flow thereinto, an improved water filter screen on said drum of corrosion-resisting woven wire

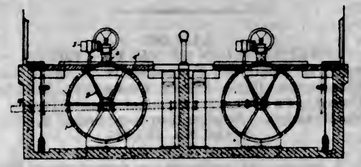
fabric with straight warps and crimped wefts, the warps being arranged in groups with each wire of each group in linear contact with another wire

a degree of transparency permitting the colored sections of said background member to be viewed therethrough whereby a pair of colors, each of which is selected from one of said members, may be viewed simultaneously and in superimposed relation, the relative rotatability of said members serving to permit different combina-

2,462,606
COUMARONE-INDENE RESIN STABILIZED WITH AN ALKYL POLYHYDROXY SPIRO INDANE
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsyl-

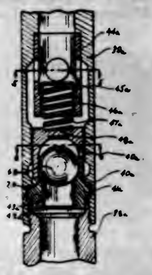
plate projecting slightly above pavement level, a load balancing spring acting on both free lever ends arranged below said knuckle connection, a guide plate held by said spring and supporting said free lever ends, a lever mechanism fixed within said box and moved by the movement of one of the load balancing bars, and a connection between said lever and said parking meter reset-

fabric with straight warps and crimped wefts, the warps being arranged in groups with each wire of each group in linear contact with another wire



of the group, whereby the size of the apertures of the wire fabric is reduced.

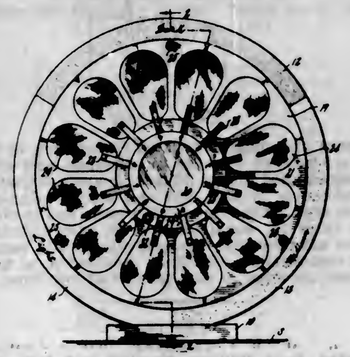
2,462,605
VALVE CAGE
Chalon E. Bridwell, Detroit, Mich.
Application September 2, 1944, Serial No. 552,529
4 Claims. (Cl. 277—70)



1. In a valve construction of the class described: a valve cage; a valve seat mounted on the lower end of said cage and having an opening therethrough for passage of liquid therethrough; a tubular member mounted in said valve cage above said seat in the path of flow of liquid through said valve and having lateral opening therethrough; an inverted cup-shaped member fixedly mounted in said tubular member; a plurality of concentrically arranged valves in said cage, each movable independently of the other and engageable with said valve seat for closing and opening therethrough and controlling flow of liquid therethrough; and resilient means engaging at one end with said cup-shaped member and its other end the outer of said valves for normally urging the same to closed position.

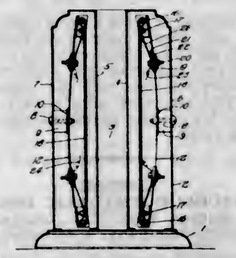
2,462,606
COSMETIC BLEND PREDETERMINING DEVICE
Jules Brodeur, New York, N. Y., assignor to Coty, Inc., Wilmington, Del., a corporation of Delaware
Application August 1, 1945, Serial No. 608,182
3 Claims. (Cl. 35—59)

1. A device for determining the combined effect of two superimposed layers of cosmetics; said device comprising a background member, a plurality of differently colored sections on said background member, a front member rotatable relative to said background member, a plurality of differently colored sections on said front member each of said front member colored sections having a degree of transparency permitting the colored sections of said background member to be viewed therethrough whereby a pair of colors, each of which is selected from one of said members, may be viewed simultaneously and in superimposed relation, the relative rotatability of said members serving to permit different combina-



tions of colors to be thus viewed, said front member colored sections comprising mesh material colored to represent cosmetic shades, the openings of said mesh material being of such size as to enable viewing of said background member therethrough while contributing enough of the color of said mesh material to provide a combination effect.

2,462,607
HEATING ELEMENT
Donald W. Browne, Chicago, Ill.
Application March 1, 1945, Serial No. 580,395
7 Claims. (Cl. 219—19)



1. In a heating device, an elongated resilient member, a pair of spaced apart rods supported at each of the end portions of the resilient member, at least the surface of said rods being of insulating material, and a resistance element wound back and forth over said rods with sufficient tightness to bend the resilient member into bow-shape to constantly hold the resistance element taut, the resistance element passing to one side of one rod and around the other rod of each pair of rods so that their main heating portions will lie in substantially the same plane.

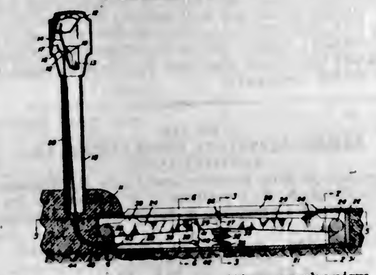
2,462,608
COUMARONE-INDENE RESIN STABILIZED WITH AN ALKYL POLYHYDROXY SPIRO INDANE
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application January 18, 1945, Serial No. 573,469
4 Claims. (Cl. 260—81)

1. A non-yellowing coumarone-indene resin composition consisting of coumarone and indene polymers and an alkyl polyhydroxy spiro indane material selected from the group consisting of the alkyl polyhydroxy spiro indanes, the sulphonated alkyl polyhydroxy spiro indanes and the boric acid salts of the alkyl polyhydroxy spiro indanes, the said alkyl polyhydroxy spiro indane material being present in a quantity approximately equal to from 0.05% to 5.00% the combined weight of the coumarone and indene polymers.

2,462,609
INDENE RESIN STABILIZED WITH AN ALKYL POLYHYDROXY SPIRO INDANE
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa., a corporation of Pennsylvania
No Drawing. Application January 18, 1945, Serial No. 573,470
4 Claims. (Cl. 260—80)

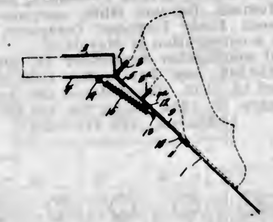
1. A non-yellowing indene resin composition consisting of indene polymers and an alkyl polyhydroxy spiro indane material selected from the group consisting of the alkyl polyhydroxy spiro indanes, the sulphonated alkyl polyhydroxy spiro indanes and the boric acid salts of the alkyl polyhydroxy spiro indanes, the said alkyl polyhydroxy spiro indane material being present in a quantity approximately equal to from 0.05% to 5.00% the weight of the indene polymers.

2,462,610
PARKING METER RESETTING MECHANISM
Fisher C. Burum, Houston, Tex., assignor of one-third to George B. Lindler, Houston, Tex.
Application February 5, 1948, Serial No. 6,453
3 Claims. (Cl. 74—2)



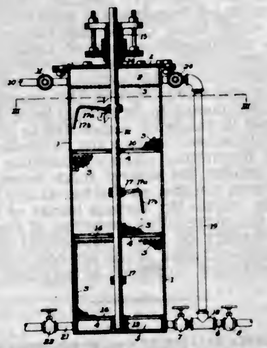
3. A parking meter resetting mechanism including a parking meter resetting lever, comprising an elongated box located in the ground below pavement level, a system of load balancing levers pivoted at the two ends of the box and projecting towards each other with their free ends, a knuckle connection between those free ends, a cam surface on each bar between said pivotal connection of the bars, an anvil plate resting on said cam surfaces, said anvil plate projecting slightly above pavement level, a load balancing spring acting on both free lever ends arranged below said knuckle connection, a guide plate held by said spring and supporting said free lever ends, a lever mechanism fixed within said box and moved by the movement of one of the load balancing bars, and a connection between said lever and said parking meter resetting lever.

2,462,611
SHOE OR BOOT DISPLAY DEVICE
Clarence M. Bye, Osseo, Wis.
Application June 5, 1947, Serial No. 752,809
4 Claims. (Cl. 211—34)



1. In a device of the class described, the combination of a body provided at its inner end with a support clamp, said body provided with a slot, a slidable plate on said body over said slot, means extending from said slidable plate through said slot and normally holding said slidable plate upon said body, a spring and means connecting the inner end of said spring to said support clamp, means connecting the outer end of said spring through said slot to said slidable plate, and said body and slidable plate provided with heel-clamping means.

2,462,612
LIQUID TREATING APPARATUS
John R. Craig, deceased, late of Pittsburgh, Pa., by The Union Trust Company of Pittsburgh, Pittsburgh, Pa., administrator
Application July 19, 1945, Serial No. 605,926
5 Claims. (Cl. 210—143)



1. In glass-ball liquid treating apparatus comprising a receptacle having therein at least one treating bed of glass balls, and connections for passing liquid through the said bed; a rotatable assembly in the said receptacle comprising a vertically mounted rotatable shaft, a ball-supporting platform, means to support the platform and to

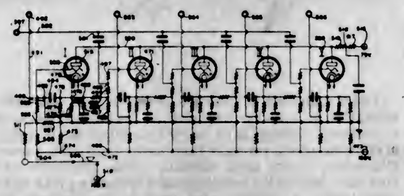
non-rotatably connect the platform with the shaft whereby the platform is rotated with the shaft, and an agitating element in said rotatable assembly carried by and connected with the said shaft to rotate therewith and arranged to produce agitation of the balls comprising the said treating pressure supplied thereto by said compressor, valve means for controlling discharge of accumulated condensate from said receptacle, fluid pressure motor means for actuating said valve means, a timing reservoir having a restricted communi-

2,462,617
EMBALMING APPARATUS
John H. Eckels, Merchantville, N. J., assignor to H. S. Eckels & Co., Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1944, Serial No. 537,211

edly-effective securing units rigidly attached to said member; each such unit including a keeper with a wedge-shaped passage therethrough and a holder slidable therein; spaced teeth at the outer end of the holder with an intervening bevel-edge respectively adapted to inclinedly-penetrate

non-rotatably connect the platform with the shaft whereby the platform is rotated with the shaft, and an agitating element in said rotatable assembly carried by and connected with the said shaft to rotate therewith and arranged to produce agitation of the balls comprising the said treating bed and rubbing between them under the tendency for the bed of glass balls to remain stationary as the ball-supporting platform of the said rotatable assembly is rotated in cleaning the apparatus.

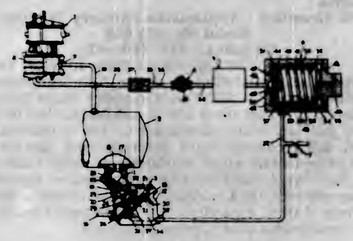
2,462,613
COMMUNICATION SYSTEM
Joseph R. Desch, Ernest V. Gulden, and Robert E. Mumma, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application September 16, 1942, Serial No. 458,546, now Patent No. 2,425,307, dated August 12, 1947. Divided and this application February 19, 1944, Serial No. 523,025
14 Claims. (Cl. 177—353)



1. In a receiving apparatus for a communication system in which different numbers of electrical impulses are assigned to represent different symbols which may be transmitted, the last of the impulses representing a symbol being distinctive from the rest, the combination of a plurality of banks of electron devices, the devices in the banks being differentially operable to count the number of impulses in a corresponding plurality of bursts and transform the impulses into direct representations of symbols in response to different number of impulses which represent the symbols and to store the representation of the symbols; common means upon which bursts of impulses are impressed in succession, each burst containing the number of impulses corresponding to that assigned to the symbol which it represents; normally inoperable relay means related to each of said plurality of banks for selectively routing the impulses from the common means to its related bank to render the devices in the bank responsive to one of the bursts of impulses; and means controlled by the last and distinctive electrical impulse in each burst to render the several relay means operative one after another as the bursts are received, to thereby enable the various bursts of impulses to cause the differential operation of the devices in the plurality of banks of devices to set up direct representations of the symbols represented by the different numbers of impulses in the bursts.

2,462,614
AUTOMATIC DRAINAGE APPARATUS
Chauncey O. De Witt, Teaneck, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 16, 1946, Serial No. 716,595
6 Claims. (Cl. 303—88)

1. In a drain valve apparatus, in combination, a compressor, a receptacle for storing fluid under pressure supplied thereto by said compressor, valve means for controlling discharge of accumulated condensate from said receptacle, fluid pressure motor means for actuating said valve means, a timing reservoir having a restricted communi-



cation with said compressor, one way flow means in said communication, means responsive to pressure of fluid in said reservoir for controlling communication of said fluid to said motor means, and means for venting the last mentioned communication to atmosphere.

2,462,615
METHOD OF CHROMIUM PLATING AND TREATING STEEL AIRPLANE PROPELLER BLADES
George Dubpernell, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delawar
No Drawing. Application February 17, 1945, Serial No. 578,552
2 Claims. (Cl. 204—37)

1. In a method for reducing the loss of fatigue strength of steels for aeroplane propeller blades consequent upon the electrodeposition of chromium protective coatings thereon, passing plating current from an anode to said steel part, as cathode, immersed in a cold aqueous bath below 40° C. containing from 500 g./l. upward to saturation of chromic (CrO_3) and sulphate catalyst acid radicals, the ratio between the chromic acid and the sulphate catalyst acid radical being between 230 to 1 and 160 to 1, electrodepositing from approximately .0005 to .001 inch chromium and heat treating the plated steel part to relieve stresses in the plated steel part.

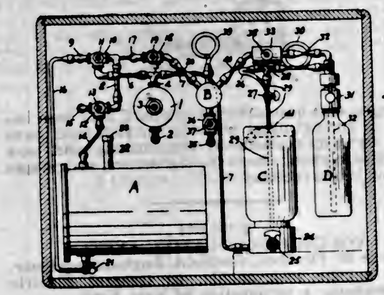
2,462,616
LUBRICATING OIL CONTAINING AN ANTIOXIDANT
Lawrence T. Eby, Roselle, and Louis A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 5, 1944, Serial No. 566,772
4 Claims. (Cl. 252—49.6)

1. A composition of matter consisting essentially of a petroleum hydrocarbon product and an oxidation inhibiting proportion of a compound of the formula

$$(RAr)_m H_nBO_3$$

where Ar is an aryl nucleus, R represents at least one alkyl radical, the alkyl radicals containing a total of at least 16 carbon atoms, m is an integer from 1 to 3, n is 0, 1 or 2, and $m+n$ equal 3.

2,462,617
EMBALMING APPARATUS
John H. Eckels, Merchantville, N. J., assignor to H. S. Eckels & Co., Incorporated, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1944, Serial No. 537,211
4 Claims. (Cl. 27—24)



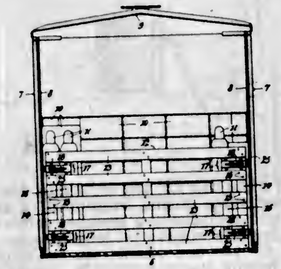
1. A self-contained embalming unit for simultaneously diluting embalming fluid and injecting the diluted fluid into a body, comprising a mixing chamber, an air pressure chamber, a reservoir for embalming fluid, a reducing valve, means for connecting said reducing valve to a continuous supply of water under pressure, a conduit connecting said reducing valve with said mixing chamber to continuously supply water thereto, a conduit connecting said reducing valve with said pressure chamber to compress air therein, a conduit connecting the upper portion of said pressure chamber with said reservoir, a conduit provided with a metering valve connecting said reservoir with said mixing chamber, the arrangement being such that both water and embalming fluid are supplied in a continuous manner under pressure to the mixing chamber, and a connection from the mixing chamber for injecting the diluted fluid into a body to be embalmed.

2,462,618
WATER DISPERSIBLE COATING VEHICLE
George E. Ellerman, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Original application December 10, 1943, Serial No. 513,727. Divided and this application February 10, 1945, Serial No. 577,353
7 Claims. (Cl. 260—22)

1. A water-emulsifiable, air drying coating composition comprising the product obtained by the steps of breaking by hydrolyzation the anhydride linkage of the addendum reaction product of maleic anhydride and a modified alkyd resin resulting from the esterification of a polyhydroxy alcohol with a dicarboxylic acid in the presence of a fatty acid glyceride drying oil and neutralizing the resultant hydrolyzed product with a mixture of alkali metal silicate and a water-soluble basic nitrogen compound of a class consisting of ammonia and a water-soluble amine.

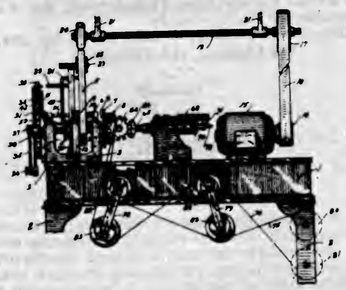
2,462,619
FREIGHT BRACING DEVICE
William F. Eisensmith, Penns Grove, N. J.
Application March 26, 1946, Serial No. 657,212
9 Claims. (Cl. 105—369)

1. A load brace for freight transporting vehicles comprising a freight abutment member; opposedly-effective securing units rigidly attached to said member; each such unit including a keeper with a wedge-shaped passage therethrough and a holder slidable therein; spaced teeth at the outer end of the holder with an intervening bevel-edge respectively adapted to inclinedly-penetrate



and impinge opposed wall faces of the vehicle counterwise to transit load shocks; means whereby the keeper and holder are maintained in cooperative assembly; and means whereby the holder may be held retracted within the keeper or arrested at differential extension relative to said keeper.

2,462,620
WINDING MACHINE
James M. England, Lebanon, Mo., assignor of one-third to David E. Owen and Edmond A. Gill, both of Litchfield, Ill.
Application May 4, 1945, Serial No. 591,964
15 Claims. (Cl. 242—13)



1. In an armature winding machine, armature holding means, means for rotating the holding means including belt driving means and a movable member having positions for tightening the belt and connecting driving power to the holding means and for loosening the belt and disconnecting driving power from the holding means, means operable independently of manual effect for maintaining the movable member in the belt tightening position when so placed, and means for automatically releasing the maintaining means so that the movable member can move to the belt loosening position when the armature holding means has been rotated a predetermined number of turns.

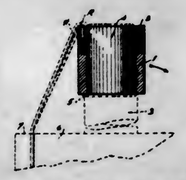
2,462,621
ARMATURE SHAFT WINDING CAP
James M. England, Lebanon, Mo., assignor of one-third to David E. Owen and Edmond A. Gill,

said raceway, means for driving staples through said raceway, a base, means pivoting together the rear portions of said housing and base, means on said housing forwardly of said pivot and engaging

dome-like plate the convex surface of which is adapted to contact the surface to be shaved, said plate being of a generally spherical configuration, a completely circular shearing blade rotatably

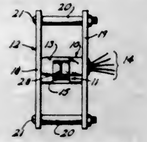
tions carrying an auxiliary lifting means adjustable towards and from the frame pivot, and

2,462,621
ARMATURE SHAFT WINDING CAP
James M. England, Lebanon, Mo., assignor of one-third to David E. Owen and Edmond A. Gill, both of Litchfield, Ill.
Application May 4, 1945, Serial No. 591,965
5 Claims. (Cl. 242—13)



1. A one piece cap for use in holding the ends of conductor wires during winding of a slotted armature and comprising a member constructed to have a bore of substantial length so as to be positioned on the end portion of an armature shaft and having circumferentially spaced holes therein for receiving the end portions of the conductor wire to be wound on the armature, each opening being so arranged in the member that when the member is on the shaft its wire receiving open end will be so directed in a direction away from the armature that with an end portion of a wire inserted in the opening, bent adjacent the open end of the opening and the wire positioned under tension in the first armature receiving slot therefor, the end portion which is received in the opening will be at an angle not greater than 90 degrees with the portion of the wire extending to the first receiving slot.

2,462,622
MOUNTING MEANS FOR VACUUM TUBES
Frederick R. Farrow, Jr., Audubon, N. J., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application September 4, 1946, Serial No. 694,757
9 Claims. (Cl. 248—361)



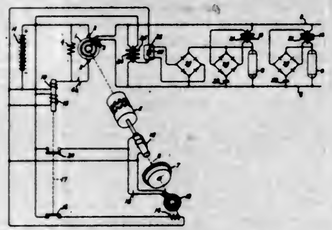
1. In an arrangement for mounting a vacuum tube provided with an electrode-enclosing envelope, framework including spaced confronting wall portions having an opening through which the tube may be introduced for positioning between said wall portions, and tube supporting means having a base portion and a tube-engaging portion, said base portion being connected with and disposed to extend between the wall portions, and said tube engaging portion being so constructed and arranged on the base portion as to engage the tube envelope when introduced between the wall portions through said opening.

2,462,623
STAPLING DEVICE
Alexander L. Flamm, Fairfield, Conn.
Application March 22, 1945, Serial No. 584,173
5 Claims. (Cl. 1—49)

1. In a stapling machine, a housing having a raceway therein, means for feeding staples to said raceway, means for driving staples through said raceway, a base, means pivoting together the rear portions of said housing and base, means on said housing forwardly of said pivot and engaging said base whereby the forward portions of the

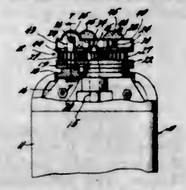
housing and base are spaced apart, said base being of spring metal whereby to yield and have the forward portions of the housing and base come into engagement during driving of a staple through said raceway.

2,462,624
VOLTAGE REGULATING SYSTEM
George H. Fletcher, Sheffield, England, assignor, by mesne assignments, to General Electric Company, a corporation of New York
Application May 18, 1945, Serial No. 594,397
In Great Britain June 29, 1944
24 Claims. (Cl. 171—97)



19. A variable speed dynamoelectric machine having a common armature provided with alternating current and direct current output terminals, a battery permanently connected to said direct current output terminals to be charged by said machine, a load circuit connected to said alternating current output terminals, voltage regulating means comprising a saturable reactor connected across said load circuit, and means responsive to at least a portion of the voltage across said load circuit for controlling the reactance of said reactor thereby to control both the direct current and alternating current output voltage of said machine by armature reaction.

2,462,625
SHAVING MACHINE
Irving Florman, New York, N. Y.
Application May 7, 1945, Serial No. 592,295
4 Claims. (Cl. 30—43)



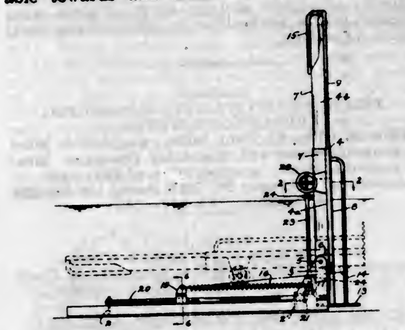
1. A shaving machine of the class described which comprises a shearing couple consisting of a dome-like plate the convex surface of which is adapted to contact the surface to be shaved, said plate being of a generally spherical configuration, a completely circular shearing blade rotatably mounted beneath said plate whereby the edge of said blade substantially defines a great circle of the sphere of which the plate is a part, and means for freely rotatably mounting said circular blade for rotation about its own axis so as to continually renew the effective cutting arc of its periphery which cooperates with the concavity of the plate, during operation.

2,462,626
PORTABLE FIRE ESCAPE
Joseph E. Forster, Oakland, Calif.
Application January 27, 1947, Serial No. 724,673
9 Claims. (Cl. 228—19.2)

2. A fire escape comprising; lazy tongs having a combination hand hold and tread fixedly mounted on the respective tong levers at the respective terminal joints, and means at one end of said lazy tongs for releasably securing the fire escape to a window ledge or the like; a spike hingedly mounted on the back of the fire escape at each terminal joint and foldable upwardly at will to provide compactness for carrying, and gravitationally dropping to engaging position when the fire escape is lowered from a window or the like, said spikes gradually increasing in length to provide slope to the fire escape and functioning to space the fire escape from the wall and to bite into the wall to secure the fire escape from swaying.

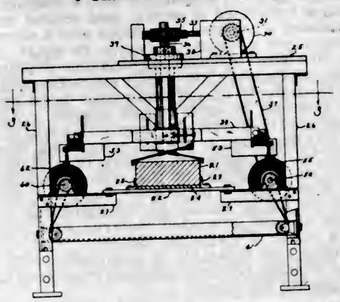
2,462,627
BAPTISMAL APPARATUS
Patrick H. Garrett, Mount Hope, W. Va.
Application May 8, 1946, Serial No. 668,261
14 Claims. (Cl. 4—185)

1. Baptismal apparatus comprising a swingable supporting frame, including a foot plate on which the person to be baptized may stand, a pivotal mounting for said frame permitting lowering and raising of the frame and person from and to normally erect position, respectively, said swingable frame comprising adjustable sections for extending and contracting the frame according to the height of the person, one of said sections carrying an auxiliary lifting means adjustable towards and from the frame pivot, and



handle means for moving the frame to and from said erect position.

2,462,628
MACHINE FOR MARKING THE SURFACE OF A COLUMN OF PLASTIC MATERIAL
Franklin I. Gase, Cleveland, Ohio
Application August 27, 1945, Serial No. 612,960
9 Claims. (Cl. 25—1)



1. A machine of the character described for applying flaked markings to the surface of a column of plastic but hardenable material moving relative thereto to thereby simulate the appearance of genuine cut stone, said machine comprising means for moving said column relative to said machine, scraping means adapted to scrape a surface of said column, movable means for moving said scraping means transversely across said column, said scraping means being loosely mounted for pivotal motion on said carrying means, and being biased to scraping contact with said column.

2,462,629
SUNLIGHT RESISTANT COMPOSITION
Philip Tucker Gidley, Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 11, 1944, Serial No. 563,090
5 Claims. (Cl. 260—17)

3. As a new composition of matter, a vulcanizable mixture consisting predominantly of a rubbery copolymer of substantially 74 parts of butadiene with substantially 26 parts of acrylonitrile

and ethyl cellulose, together with plasticisers, fillers, sulfur and a vulcanization accelerator, the rubbery copolymer and the ethyl cellulose being present in the composition in substantially equal

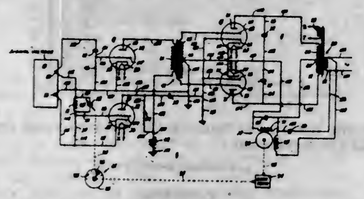
the fixed member, the fixed and movable members being shaped at their upper ends to form half-fingers which, when the movable members

2,462,635
CYCLIC POLYMERIC ORGANOAMINO-SILANES

metals during distillation of hydrogen cyanide from an aqueous solution of hydrogen cyanide, ammonium salts and sulfuric acid, obtained by scrubbing formamide decomposition products

and ethyl cellulose, together with plasticizers, fillers, sulfur and a vulcanization accelerator, the rubbery copolymer and the ethyl cellulose being present in the composition in substantially equal parts by weight.

2,462,630
PHASE-SENSITIVE SELF-BALANCING FREQUENCY METER
Willis H. Gille, St. Paul, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 28, 1945, Serial No. 580,226
13 Claims. (Cl. 172—245)



4. In a device of the class described, in combination: first and second circuits adapted to be traversed by signal currents alternating at a common variable frequency; said first circuit comprising a resistive impedance and a reactive impedance connected in series; said second circuit comprising a resistive impedance and a normally antiresonant network connected in series; electron discharge devices each having a plurality of control members for jointly regulating the discharge thereof; means impressing upon one of said members of each of said devices a voltage determined by the voltage drop across said second resistive impedance; means impressing upon a second of said members of each of said devices a voltage determined by the voltage drop across said first resistive impedance; said last named means including means for reversing the phase of one of said impressed voltages with respect to the other; a frequency indicator; and means actuating said indicator in accordance with the phase relation between voltages impressed upon said control members.

2,462,631
COATING COMPOSITIONS
Lewis D. Gittings and Robert H. Fundaburk, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application March 13, 1944, Serial No. 526,332
14 Claims. (Cl. 106—239)

1. A plasticized composition comprising a rosin plasticized with at least one member of the group consisting of biphenyl, ortho-terphenyl, and meta-terphenyl.

2,462,632
APPLIANCE FOR STRETCHING GLOVES OR THE LIKE
Gideon Givoni, Melbourne, Victoria, Australia
Application May 2, 1946, Serial No. 666,657
In Australia May 24, 1945
9 Claims. (Cl. 223—80)

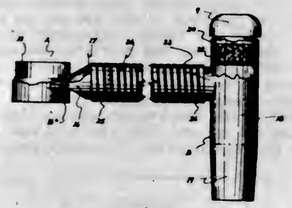
1. An appliance for stretching gloves or the like comprising a central fixed member and four movable members arranged two on each side of the fixed member, the fixed and movable members being shaped at their upper ends to form half-fingers which, when the movable members are closed, co-act in pairs to form four finger

members of two part construction, and means for actuating the movable members to cause the half-fingers of the respective finger members to open or separate.

2,462,633
ANIMAL FEED
Myers F. Gribbins, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 5, 1946, Serial No. 659,880
8 Claims. (Cl. 99—2)

1. Animal feed containing from 0.01 to 1.0% of a 3-hydrocarbon substituted beta-mercaptopropionic acid.

2,462,634
CRANKCASE VENTILATOR FOR MOTOR VEHICLES
George Griffith, Ottawa, Ontario, Canada
Application January 19, 1946, Serial No. 642,340
2 Claims. (Cl. 123—171)



1. A crank case ventilator for a motor vehicle having a vented crank case and an oil filling pipe, a carburetor and an air cleaner communicating with the air inlet opening of the carburetor; an adapter insertable between the carburetor and the air cleaner having a port in the side thereof, a narrow lip extending into said adapter above said lateral port and for the width thereof, a stack insertable in the oil filling pipe normally closed except for a port therein and a hose joining the respective ports of said adapter and stack.

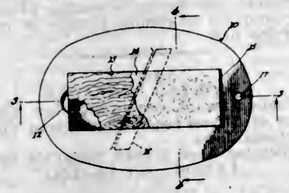
2,462,635
CYCLIC POLYMERIC ORGANOAMINOSILANES
Charles P. Haber, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 22, 1946, Serial No. 704,987
3 Claims. (Cl. 260—448.2)

1. Cyclic polymeric compositions corresponding to the general formula $[(CH_3)_2SiNH]_n$ where n is a whole number not more than 4 nor less than 3.

2,462,636
ALDEHYDE-(PHENOL-PHENOL ETHER REACTION PRODUCTS) REACTION PRODUCTS AND METHODS FOR PRODUCING THEM
Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey
No Drawing. Application November 2, 1944, Serial No. 561,633
12 Claims. (Cl. 260—46)

1. A resinous organic condensation reaction product produced by heat reacting in the presence of a condensing agent a material selected from the group consisting of formaldehyde, paraformaldehyde, glyoxal, hexamethylene tetramine, trioxymethylene and furfuraldehyde with an organic condensation reaction product produced by subjecting a mixture of a phenol free of unsaturated hydrocarbon substituents and of the class consisting of hydroxybenzene, naphthol, anthranol and their homologues with an alkyl ether of a phenol having an unsaturated hydrocarbon substituent to a condensing reaction in the presence of a katenoid condensing agent.

2,462,637
SHARPENING DEVICE
William H. Haydon, Arlington, Va.
Application May 8, 1947, Serial No. 746,650
4 Claims. (Cl. 51—211)

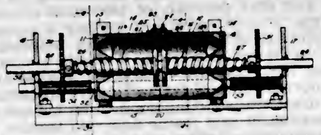


1. A sharpening device comprising, a base plate having a longitudinally extending recess therein terminating a substantial distance from the margins thereof, an abrasive member fitted firmly in said recess and extending above the top surface of the base plate, a handle member on the side of the base plate opposite to the recess adapted to be grasped by the fingers of the operator with the base plate extending over the operator's hand and wrist to shield them from accidental contact with a tool being sharpened.

2,462,638
CORROSION INHIBITING PROCESS
Harry C. Hetherington, Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 15, 1945, Serial No. 578,131
7 Claims. (Cl. 202—57)

1. In a process for preventing corrosion of metals during distillation of hydrogen cyanide from an aqueous solution of hydrogen cyanide, ammonium salts and sulfuric acid, obtained by scrubbing formamide decomposition products with dilute sulfuric acid containing from 1% to 3% by weight of sulfuric acid, the step which comprises contacting a distillation vessel made of steel having a chromium content of 16% to 23%, and a nickel content of 7% to 11%, with the said aqueous solution having dissolved therein from 0.0005% to 0.10% of copper in ionizable form, based on the weight of the said aqueous solution, whereby substantial corrosion of the said steel is prevented.

2,462,639
HIGH-FREQUENCY RESONATOR
Merle R. Hubbard, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa
Application March 2, 1944, Serial No. 524,699
11 Claims. (Cl. 178—44)



1. A high frequency electrical resonator, including: an outer electrically conducting member having an inner surface formed as a surface of revolution about a certain axis; electrically conducting means closing at least one end of said member; an inner electrically conducting helical member concentric with said axis, the inductance of said helical member being a component of the electrical resonator; and a member movable with respect to the inner helical member to short out turns thereof for varying the inductance thereof, movement into the helical member lessening the inductance thereof.

6. A high frequency electrical resonator, including: an outer electrically conducting member having an inner surface formed as a surface of revolution about a certain axis; an electrically conducting circular end member closing an end of said outer member; and an inner electrically conducting member concentric with said axis and having one end thereof directly connected to the center of said end member, the end member having an annular groove in the inner surface thereof intermediate said inner and outer members, the construction and arrangement being such that all changes of direction in said inner surface are substantially greater than right angles.

2,462,640
METHOD OF MAKING METHYL SILOXANES
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application April 17, 1944, Serial No. 531,498
1 Claim. (Cl. 260—448.2)

The method which comprises hydrolyzing a mixture consisting of methyltriethoxysilane and trimethylethoxysilane in approximately equimolecular proportions, dehydrating the hydrolysis product and recovering the copolymeric methylsiloxane thereby produced.

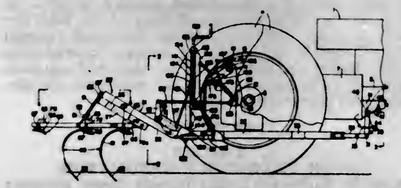
2,462,641
FIELD CULTIVATOR
William A. Hyland, Horicon, Wis., assignor to

means for loading said spring, an abutment for limiting opening movement of the valve, means for adjusting said abutment to lock the valve on

gaging said side pieces, the remaining side edge portions of said plate being inturned and doubled upon themselves to form a pair of spaced paral-

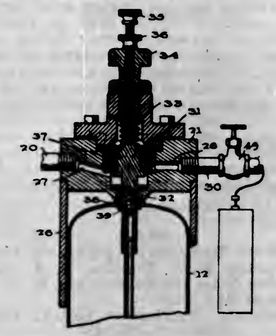
formed in the body about the bore; a valve member movably supported in the bore; a seat-engaging portion on the member; a spring constructed and arranged to urge the member to

2,462,641
FIELD CULTIVATOR
William A. Hyland, Horicon, Wis., assignor to John Deere Van Brunt Company, a corporation of Wisconsin
Application July 7, 1944, Serial No. 543,809
16 Claims. (Cl. 97—47)



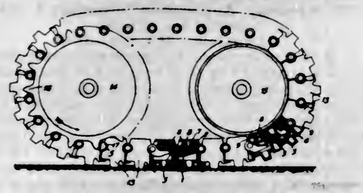
1. An agricultural machine comprising the combination with a farm tractor of a field cultivator including a generally fore and aft extending frame having ground working tools at the rear thereof and rearwardly of the rear of the tractor, and mechanism connecting both the front and rear portions of said field cultivator with the tractor, means including a generally fore and aft shiftable connection between the front portion of said frame and said tractor for limiting the generally vertical movement of the front portion of said frame relative to the tractor, a draft transmitting connection between the rear portion of said frame and said tractor, and means connected with said draft transmitting connection and acting against the tractor for raising and lowering the rear portion of said frame in accordance with the magnitude of the draft transmitted by said draft transmitting connection.

2,462,642
APPARATUS FOR FILLING CONTAINERS OF PRESSURE FLUIDS
Eugene W. Jacobson, Oakmont, Harry O. Creassi, Penn Township, Allegheny County, and John R. Aikins, Pittsburgh, Pa., assignors to Gulf Research & Development Company, Pittsburgh, Pa., a corporation of Delaware
Application March 11, 1946, Serial No. 653,666
5 Claims. (Cl. 62—1)



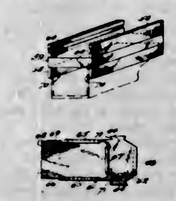
2. An apparatus for filling containers with measured volumes of high vapor pressure liquid, comprising a cylinder and a fluid operated piston discharging the liquid in measured quantities to a filling head, a plunger valve for the outlet of the filling head, a spring bearing thereagainst for normally holding the valve on its seat, adjustable means for loading said spring, an abutment for limiting opening movement of the valve, means for adjusting said abutment to lock the valve on its seat, and a valve controlled port in said filling head communicating with a closed receptacle to which successive charges of the liquid with entrapped air may be conveyed when the said plunger valve is locked on its seat, in order to purge the apparatus of air preparatory to dispensing measured volumes of the liquid yet to permit recovery of the liquid so discharged with the air.

2,462,643
ENDLESS TRACK FOR VEHICLES
Philip Henry Johnson and Leonard William Tripp, Hounslow, England, assignors to Roadless Traction Limited, Hounslow, Middlesex, England
Application March 4, 1946, Serial No. 651,792
In Great Britain December 21, 1944
4 Claims. (Cl. 305—10)



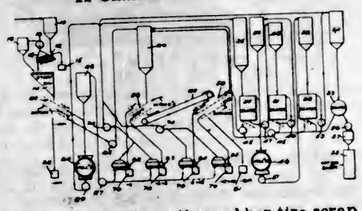
1. An endless track comprising a plurality of pairs of links, abutment surfaces formed on the links so that the abutment surfaces of the links of a pair coact by mutual engagement as the track is laid on the ground to prevent reverse curvature, a member projecting from a surface of at least one link of a pair and upon which the abutment surface of said link is formed, a tubular encasement of resiliently deformable material surrounding the said member and bearing at one end on the surface from which said member projects and having a seating at the other end around the abutment surface of the other link of the pair.

2,462,644
MORTAR SPREADER
Tsuchinojo Kimura, Mountain View, Calif., assignor of fifteen per cent to Byron Ver Ploeg, Oskaloosa, Iowa
Application April 5, 1946, Serial No. 659,771
1 Claim. (Cl. 72—128)



A mortar spreading apparatus comprising in combination, a matrix adapted for positioning upon the work and including a pair of spaced parallel side pieces, a spreader comprising a substantially upright plate positioned between said side pieces, said plate including a work-contacting lower edge portion, a handle provided at the upper edge of said plate, a pair of laterally projecting ears formed at the side edges of said plate adjacent said upper edge, said ears slidably engaging said side pieces, the remaining side edge portions of said plate being inturned and doubled upon themselves to form a pair of spaced parallel guide channels, a panel slidably positioned in said channels, the lower edge portion of said panel being retractably projectable beyond said work-contacting edge portion, and a hand grip provided at the upper edge of said panel.

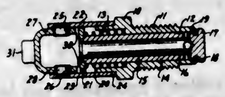
2,462,645
METHOD OF TREATING RUBBER SCRAP
Thomas M. Knowland, Belmont, Mass., assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass., a corporation of Massachusetts
Application July 10, 1945, Serial No. 604,224
12 Claims. (Cl. 241—24)



12. A method of treating rubber tire scrap and the like to separate the rubber and fabric components and further separate the rubber components into tread and carcass rubber fractions, which consists in mechanically reducing a coarse portion of the scrap to a finer mixture of rubber-fabric particles, beating the resulting product further to free the rubber and fabric components, screening the beaten product to separate therefrom two fractions consisting respectively of (1) rubber and a high percentage of fabric and (2) rubber and a small percentage of fabric, screening the (2) fraction to separate therefrom a plurality of portions of predetermined graded mesh sizes including a relatively coarse tread rubber portion intermingled with fibres and a finer carcass rubber portion intermingled with fibres, treating said tread and carcass rubber portions independently by air flotation and gravity to separate rubber therefrom, further beating and screening the (1) fraction to free and separate rubber therefrom, further reducing, beating and screening the remainder left of the first and second named beaten products, after said separation of rubber therefrom, further to separate the rubber from the fabric, and finally treating including screening the rubber-containing portion of all the resulting products from the last named beating and screening to air flotation and gravity to separate the rubber and fabric-containing components, said air flotation and gravity treatment being characterized by the supporting of said portion of the products on an inclined foraminous deck while simultaneously directing air upwardly therethrough against the product and reciprocating the deck in a manner causing the heavier particles to travel upwardly thereon relative to the lighter particles, thereby separating therefrom the relatively free rubber.

2,462,646
FLUID VALVE
Gustave J. Koehler, Los Angeles, Calif.
Application June 30, 1944, Serial No. 542,932
5 Claims. (Cl. 251—132)

5. In a fluid valve, the combination of a valve body having a bore therethrough; a conical seat formed in the body about the bore; a valve member movably supported in the bore; a seat-engaging portion on the member; a spring constructed and arranged to urge the member to closed position to retain the seat-engaging portion in yielding engagement with the conical seat; symmetrical uprights supported by the valve body; alined trunnions supported by the uprights; a valve-operating element having symmetrical camming extensions formed thereon, which cooperate with the valve member, said extensions having alined holes which freely engage the trunnions to pivotally mount said operating element between the uprights; and symmetrical finger pieces formed on the operating element for moving it in either of two directions to cause the camming extensions to move the valve member to open position to disengage the seat-engaging portion from the conical seat, said camming extensions constructed and arranged to be effective to retain the valve member in open position, and said finger pieces constructed and arranged to be effective to limit the opening movement of the operating element.



2,462,647
ANGLE DRILL
Charles A. Koza, Pittsburgh, Pa.
Application April 21, 1948, Serial No. 22,361
6 Claims. (Cl. 74—416)

1. An angle drill comprising, in combination, a tubular housing having a tubular angular extension at one end thereof, a spindle rotatably mounted in said tubular housing, a second spindle rotatably mounted in said extension, a bevel gear extending from each of said spindles so as to mesh with each other at the juncture between said tubular housing and its extension, an anti-friction spherical surface provided on the adjoining faces of each of said gears, an adjusting screw threaded transversely into the juncture between said housing and its extension, and an end thrust element having angularly disposed faces held against said spherical surfaces by said adjusting screw.

2,462,648
HOBBYHORSE
Herbert Kuppin, Piqua, Ohio
Application February 6, 1946, Serial No. 645,892
4 Claims. (Cl. 272—53)

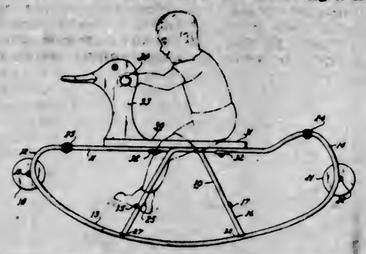
2. A rocking toy, comprising in combination, two opposed rockable body members attached together, the said body members having front and rear wheels and a stirrup portion therebetween, each of the body members formed of a single length of metal bent to form a horizontal top portion, inclined front and rear end portions, a curved bottom portion and a lateral stirrup por-

tion, and a saddle member mounted on the body member, the said saddle member having a head

2,462,652
ROTARY CONVERTER-COUPLING HYDRAULIC POWER TRANSMISSION

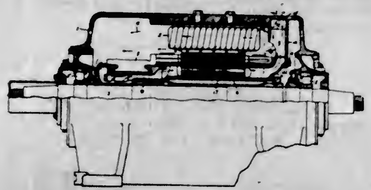
connecting the arbor to said shaft, a support in which the arbor is journaled mounted for rotative adjustment about the axis of the drive shaft, a rotary cam removably supported for operation

tion, and a saddle member mounted on the body member, the said saddle member having a head



portion including a handle bar and being adjustably movable on the body member.

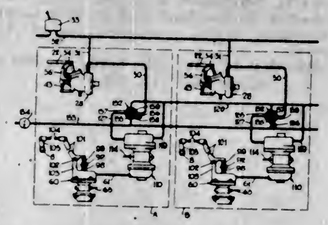
2,462,649
COOLING ARRANGEMENT FOR DYNAMO-ELECTRIC MACHINES
Carl W. Lange, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application April 8, 1947, Serial No. 740,199
6 Claims. (Cl. 171—252)



1. A dynamoelectric machine comprising, a totally enclosed stator frame, field exciting coils positioned within said frame, an armature mounted for rotation therein, an air circulating fan positioned at one end of said armature for rotation therewith, a plurality of radially extending air passages in said fan each having a centrally located air inlet and a peripherally located air outlet therein, a closed annular chamber formed in the internal surface of said frame coextensive with and communicating directly with said peripheral outlets of said fan, and means including a close fit between said closed annular chamber and said fan to provide a substantially closed circuit for ventilating medium from said fan to said annular chamber and back to said fan, a second air discharge port in said fan communicating with said radial passages and disposed inwardly towards the center of said fan and toward said armature, whereby compression of cooling medium and resultant heat dissipation may be obtained in said chamber and expansion of cooling medium and resultant cooling may be obtained at said second air discharge port.

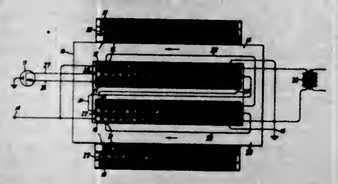
2,462,650
MULTIPLE ENGINE OUTPUT EQUALIZING APPARATUS
Arthur G. Larson, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 5, 1946, Serial No. 652,151
5 Claims. (Cl. 60—97)

5. A control system for equalizing the power output of a plurality of prime movers comprising an equalizing pipe extending to all of said prime movers, power control means for each prime mover, a fluid pressure controlled motor for each prime mover operable to effect operation of the respective power control means to vary the power output of the prime mover in proportion to the pressure of controlling fluid, fluid pressure regulating means for each prime mover operable by the respective power control means to provide fluid at a pressure proportional to the power output of the respective prime mover, and means at each prime mover including



a selector valve having a master control position for providing a chosen pressure of fluid in the respective fluid pressure motor and for at the same time rendering the pressure of fluid in said equalizing pipe variable in accordance with variations in pressure of fluid delivered by the respective fluid pressure regulating means, and having a second position for rendering pressure of controlling fluid in the respective motor variable in accordance with the differential between the pressures in said equalizing pipe and delivered by the respective pressure regulating means.

2,462,651
ELECTRIC INDUCTION APPARATUS
Harold W. Lord, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 12, 1944, Serial No. 539,975
12 Claims. (Cl. 171—119)

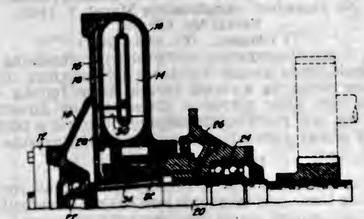


4. An electric induction apparatus including a core having first and second winding legs, first and secondary primary winding sections, first and second secondary windings each having first, second, and third winding sections, one of said primary winding sections and said first section of said first secondary winding surrounding one leg, said second primary section and said first section of said second secondary winding surrounding said second winding leg, said second sections of said first and second secondary windings surrounding said second core winding leg, and said third sections of said first and second secondary windings surrounding said first core winding leg.

through an opening in said housing whereby, when said lever is engaged by an obstruction,

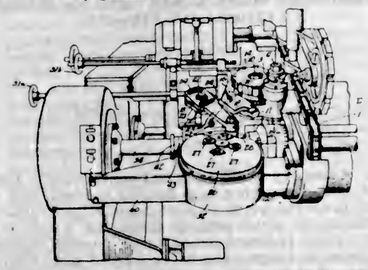
2,462,658
COMPOSITION COMPRISING AN AMIDE-ALDEHYDE RESIN AND AS A PLASTICIZER A POLYESTER OF A DIHYDRIC ETHER OF

2,462,652
ROTARY CONVERTER-COUPLING HYDRAULIC POWER TRANSMISSION
Alf Lyaholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, New York, N. Y., Leslie M. Merrill, Westfield, N. J., and Percy H. Batten, Racine, Wis., as trustees
Application August 25, 1943, Serial No. 500,008
6 Claims. (Cl. 60—54)



1. A hydraulic transmission of the closed circuit type comprising a driving member carrying a ring of substantially radially disposed pump blades, a driven member carrying a ring of substantially radially disposed turbine blades to which the pump blades directly discharge fluid in normal forward operation of the device and a reaction member carrying a ring of guide blades to which said turbine blades directly discharge fluid, said guide blades having an acute outlet angle and having profiles including relatively thick and bluntly rounded inlet portions shaped to provide channels for smooth flow in the inlet portions of the channels of liquid delivered thereto within a range of inlet angles varying from substantially radial when the turbine blades are at stall to an angle substantially the same as said outlet angle when the speed of the turbine blades approaches that of the pump blades, and said profiles further providing therebetween relatively straight channels for substantially undeflected flow of the liquid through the reaction member under the latter conditions of operation.

2,462,653
SHAPING ATTACHMENT FOR TENONING MACHINES
Judson H. Mansfield, Rockford, Ill., assignor to Greenlee Bros. & Co., Rockford, Ill., a corporation of Illinois
Application September 28, 1943, Serial No. 504,120
7 Claims. (Cl. 144—142)

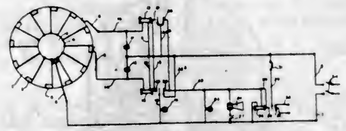


1. In a shaping machine which includes work-feeding means arranged to support and propel a work-piece along a predetermined path, a rotary cutter, and an arbor therefor, a drive shaft journaled parallel to said arbor with driving gears connecting the arbor to said shaft, a support in which the arbor is journaled mounted for rotative adjustment about the axis of the drive shaft, a rotary cam removably supported for operation in timed relation to said work-feeding means, a two-part lever pivoted on an axis which is in fixed relation to said axis of the drive shaft, and a roller on said lever engaging the cam, whereby said cam controls the adjustment of the arbor and its cutter toward and from the path of the work-piece, the portion of said lever which carries the roller being adjustable toward and from the cam and relative to the other part of said lever to accommodate the roller to different cams interchangeably employed.

2,462,654
TRIFLUOROMETHYLHEXACHLOROCYCLOHEXANE
Earl T. McBee, La Fayette and Lavon D. Bechtol, Indianapolis, Ind., assignors to Purdue Research Foundation, West Lafayette, Ind., a corporation of Indiana
No Drawing. Application June 15, 1946, Serial No. 677,082
1 Claim. (Cl. 260—648)

Trifluoromethylhexachlorocyclohexane.

2,462,655
SPEED INDICATING DEVICE
Loren C. McHenry, Rivermines, Mo.
Application June 19, 1946, Serial No. 677,699
2 Claims. (Cl. 177—311)



1. Means indicating subnormal speed of a machine comprising a movable device having a plurality of electrical contact segments thereon mechanically connected and driven in synchronism with said machine, brushes positioned to alternately make and break contact with said segments as said device is moved, circuits connected to said brushes respectively, and controlled by said segments, relays connected in and energized by said circuits, condensers connected in the circuits, respectively, in parallel with said relays and proportioned to keep said relays energized when said machine is moving at normal speed but permitting said relays to become deenergized when said speed drops below normal, a circuit controlled by the relays, and a signaling device controlled by said circuit.

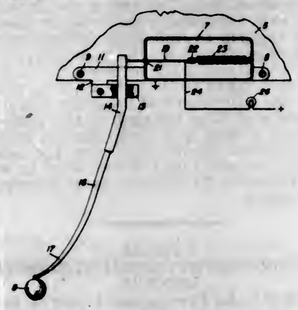
2,462,656
CURB LINE INDICATOR FOR AUTOMOBILES
Alphonso D. McLendon, Palo Alto, Calif.
Application February 20, 1948, Serial No. 9,674
1 Claim. (Cl. 200—52)

A curb approach indicator device comprising a supporting elongated housing for attachment to the fender of a vehicle, a bracket carried by said housing, a flexible support mounted on said bracket, an obstruction-engaging lever carried by said flexible support and having its upper end extending above said flexible support and into alignment with the end of said housing, a rod connecting the upper end of said lever to a spring positioned in said housing, said rod passing

2,462,661
FLUIDIZATION PROCESS FOR PRODUCING ALUMINUM
John C. Munday, Cranford, N. J., assignor to

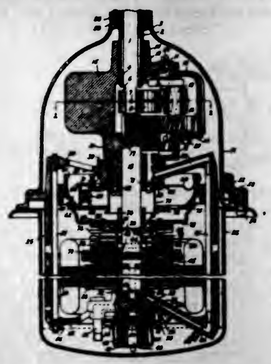
2,462,663
STABILIZATION OF OLEAGINOUS MATERIALS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

through an opening in said housing whereby, when said lever is engaged by an obstruction,



said rod will be moved against the side of the opening in said housing to effect a signalling action.

2,462,657
CLUTCH AND BRAKE MECHANISM
Jacob W. McNairy, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application December 8, 1945, Serial No. 633,632
2 Claims. (Cl. 192—18)



1. In a washing machine or the like, the combination of a driven shaft, a driven brake and clutch member, axially yieldable arms connecting the driven brake and clutch member to the driven shaft, a brake ring, spring means opposing axial movement of said driven brake and clutch member which holds it in engagement with the brake ring, a driving shaft, a second clutch member, an axially expansible corrugated bellows connected at one end to said second clutch member and at the other end to said driving shaft, a fluid pump driven by the driving shaft for supplying fluid pressure to said bellows to effect expansion of the bellows to bring said second clutch member into engagement with said brake and clutch member to close the clutch and move the brake and clutch member axially from engagement with the brake ring, a discharge port for the bellows, a centrifugally operated valve for closing said port when the driving shaft speed reaches a predetermined high value, and means controlling the flow of fluid from the discharge side of the pump to the bellows.

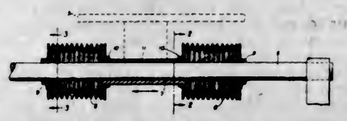
2,462,658
COMPOSITION COMPRISING AN AMIDE-ALDEHYDE RESIN AND AS A PLASTICIZER A POLYESTER OF A DIHYDRIC ETHER OF PROPYLENE GLYCOL AND A DICARBOXYLIC ACID
Eugene W. Moffett, Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 7, 1946, Serial No. 652,805
17 Claims. (Cl. 260—31.4)

1. A plasticized resin composition comprising a formaldehyde amine condensation product, the amine including a single carbon atom having at least two basic nitrogen atoms joined directly thereto, said resin composition containing a polyester of (a) a dihydroxy alcohol of the formula

$$HOR_1—O—R_2OH$$

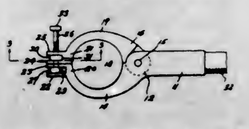
in which R_1 and R_2 are hydrocarbon radicals containing three carbon atoms and (b) a dicarboxylic acid containing six to nineteen carbon atoms.

2,462,659
HERMETICALLY SEALED, SELF-LUBRICATING SLIDE BEARING
George C. Molotsak, Coaldale, Pa.
Application April 7, 1947, Serial No. 739,897
3 Claims. (Cl. 308—5)



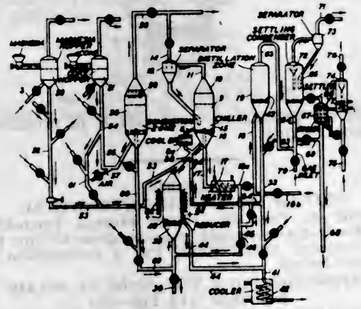
1. The combination with a stationary guide rod, and a bearing sleeve reciprocable thereon, of a metal bellows hermetically sealing each end of said bearing sleeve to the guide rod and containing a quantity of lubricant, each bellows having a fluid-tight connection at its outer end with the guide rod and at its inner end with the adjacent end of the bearing sleeve, whereby, upon reciprocation of the bearing sleeve, the bellows will alternately force the lubricant therefrom to and between said guide rod and said bearing sleeve.

2,462,660
BATTERY CABLE CLAMP
James Calvin Moore, Wichita, Kans.
Application March 5, 1946, Serial No. 652,055
2 Claims. (Cl. 173—259)



1. A battery cable terminal comprising a fixed jaw and a coacting jaw hinged thereto, one of said jaws having a pair of registering terminal arms, one of which arms is apertured, a bolt having an enlargement on one end thereof inserted betwecn said arms, the other of said jaws having a pair of arms with apertures therein to receive said bolt and having a nut therebetween operatively associated with a threaded portion of said bolt to cause the opening and closing of said jaws when said bolt is turned.

2,462,661
FLUIDIZATION PROCESS FOR PRODUCING ALUMINUM
John C. Munday, Cranford, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application March 27, 1946, Serial No. 657,512
4 Claims. (Cl. 75—26)



1. A process for producing aluminum which comprises continuously passing a fluidized mixture of alumina and carbon through a reduction zone wherein a reducing temperature is maintained and aluminum is vaporized, rapidly chilling the effluent vapor product containing the reduced aluminum and carbon monoxide by the addition thereto of a coolant consisting of fluidized alumina, separating the bulk of the carbon monoxide from the chilled material, distilling off the aluminum and passing the distillation residue consisting of alumina to the reduction zone.

2,462,662
STOPE JACK
Thomas J. Nicoley, Tonopah, Nev.
Application October 10, 1947, Serial No. 779,052
2 Claims. (Cl. 248—351)

1. A jack structure adapted to take the place of a conventional wooden cross-timber which is usually employed in building mine stopes comprising a rigid open ended tube of a predetermined length and predetermined cross sectional diameter, duplicate jack units fitted removably into the opposite open ends of said tube, each unit comprising a cylindrical bushing having an outside diameter corresponding to the inside diameter of said tube, said bushing fitting snugly, telescopically and firmly into the adjacent end portion of the tube and being of a length in relation to the length of the tube to extend a substantial distance into said tube to fill and reinforce the coacting end portion of the tube, said bushing having a central bore and said bore screw threaded, the outer end of said bushing, immediately beyond the corresponding end of said tube being enlarged and having flat faces formed into a tool nut, a jack screw threaded into said bore, the outer end of said jack screw having a head projecting beyond the tool nut and the wall contacting surface of said head being roughened.

2,462,663
STABILIZATION OF OLEAGINOUS MATERIALS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application December 1, 1944, Serial No. 566,243
9 Claims. (Cl. 99—163)

4. A process of stabilizing an oleaginous material of animal origin which comprises incorporating therein, not substantially in excess of .1 per cent of each of a compound containing an enediol group, p-amino-benzoic acid, and caffeic acid.

2,462,664
STABILIZATION OF OLEAGINOUS MATERIALS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application December 1, 1944, Serial No. 566,244
18 Claims. (Cl. 99—163)

2. A composition of matter comprising an oleaginous material of animal origin containing, and being stabilized against the development of rancidity by, not substantially in excess of .1 per cent of each of a compound containing an enediol group, and a compound selected from the group consisting of gallic acid and its lower aliphatic esters.

2,462,665
ALLOY
Eugene L. Olcott, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 11, 1946, Serial No. 661,358
2 Claims. (Cl. 75—126)

1. A heat-treatable alloy containing 0.17% to 0.25% carbon, 0.3% to 0.6% silicon, 1% to 1.5% manganese, 11.5% to 13% chromium, 2.5% to 3.5% tungsten, 0.2% to 0.28% vanadium, 4.5% to 5.5% cobalt with the remainder substantially all iron.

2,462,666
ARTICULATED RAILWAY VEHICLE
Alejandro Goicoechea Omar, Madrid, Spain, assignor to Patentes Talgo, S. A., Madrid, Spain
Application April 12, 1946, Serial No. 661,699
In Spain September 30, 1943
Section 1, Public Law 690, August 8, 1946
Patent expires September 30, 1963
19 Claims. (Cl. 105—4)

1. An articulated railway vehicle consisting of a plurality of pairs of wheels, a plurality of rigid sections each having its rear end mounted on one pair of wheels and each having a length of between three and six times the gauge of the pairs of wheels, and integrating connections between the sections formed to positively hold adjacent ends of adjacent sections in alignment while permitting free relative turning of the sections in a horizontal plane.

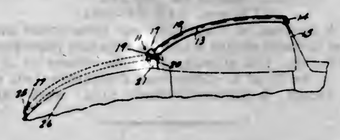
2,462,667
EVER-READY RIGID TOP FOR CONVERTIBLE AUTOMOTIVE VEHICLES

which comprises catalyzing the activity of said gaseous reactant by illuminating it with the light

ment having a chimney and removably mounted in an operative position with an end of said chimney adjacent an end of said flue, a member co-

2,462,674
CHEMICAL PLASTICIZERS OR SOFTENERS FOR BUTYL RUBBER
John Rehner, Jr., Westfield, and Paul J. Flory,

2,462,667
EVER-READY RIGID TOP FOR CONVERTIBLE AUTOMOTIVE VEHICLES
Alfred C. O'Neal, Andalusia, Ala.
Application August 19, 1946, Serial No. 691,511
1 Claim. (Cl. 296—107)



An ever ready rigid top for a convertible automotive vehicle having a windshield, a passenger compartment and a rear compartment, comprising; an arcuately formed top uniform in cross-section throughout its length and including means for releasably securing the forward end to the top of the windshield, a bracket spanning said top, and a bearing mounted on each side of said rear compartment and pivotally supporting the respective ends of said bracket, said bracket having a depending leg at each end and a roller mounted on the inside of each leg, with said top retained within said bracket and supported and movable in either direction on said rollers, and holding means located on the rearward end of said rear compartment for securing the rearward end of said top when moved to its most rearward position, and with said bracket securing the rearward end when the top is in its most forward position, whereby said top is slidable through said bracket and retained therein in any position and hinged at its forward end to permit unrestricted opening of the rear compartment when the top is in its most rearward position over the compartment, and movable over the passenger compartment at will to be secured to the top of the windshield.

2,462,668
CONDENSATION PRODUCTS OF PENTAERYTHRITYLTETRAMINE WITH BETA-DIKETONES AND BETA-HYDROXY METHYLENE KETONES
Charles J. Pedersen and Frederick Baxter Downing, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 30, 1947, Serial No. 745,112
5 Claims. (Cl. 260—566)

1. A compound of the formula

$$\left(\begin{array}{c}H-O-C=C-C=N-CH_2- \\ \quad\;\; X \;\; Y \;\; Z \qquad\qquad\end{array}\right)_4 C$$

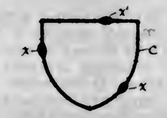
wherein each of X and Y represents a member of the group consisting of hydrogen and hydrocarbon radicals and Z represents a hydrocarbon group.

2,462,669
PROCESS AND APPARATUS FOR PHOTOCATALYTIC REACTIONS
Joseph Henry Percy, New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
Application February 3, 1942, Serial No. 429,374
13 Claims. (Cl. 204—162)

7. In the photocatalytic reaction of a gaseous reactant with another material, the improvement which comprises catalyzing the activity of said gaseous reactant by illuminating it with the light

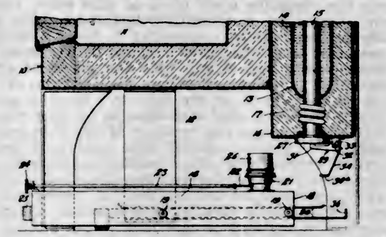
from the gaseous reactant excited to produce a discharge glow.

2,462,670
SHIP OF MONOLITHIC STRUCTURE
Joseph N. Pew, Jr., Lower Merion Township, Montgomery County, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application July 6, 1945, Serial No. 603,480
9 Claims. (Cl. 114—79)



8. A ship comprising a shell composed of a multiplicity of main conventional metal sections relatively non-resistant to extension of cracks and spaced-apart special metal sections each inserted between two main sections, adjacent sections being integrally united by welding along their adjacent edges to form a monolithic structure, each special section being, along its longitudinal central part, of substantially greater thickness than the thickness along its edges and the thickness of the adjacent main sections, said relatively thick central portions comprising at least three metal layers of which at least the outer layers are integral with the metal of the special section adjacent the edges thereof that are integrally united with contiguous main sections.

2,462,671
FLUE CONNECTOR ASSEMBLY FOR ABSORPTION REFRIGERATORS
Clifford D. Pfender, Albert Schultze, and Carl J. Knerr, Evansville, Ind., assignors to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 15, 1947, Serial No. 761,016
5 Claims. (Cl. 62—1)

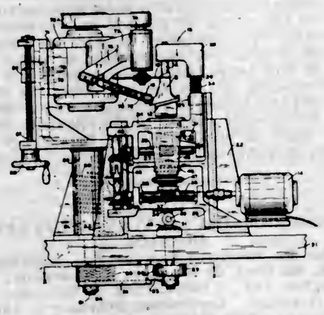


1. In a refrigerator having a heat-receiving element provided with a flue, a heater for said element having a chimney and removably mounted in an operative position with an end of said chimney adjacent an end of said flue, a member coacting with said flue and chimney and movable relative to both the flue and the chimney to and from a position connecting the adjacent ends of the flue and the chimney, and mechanism to so move said member and operative responsive to movement of said heater to and from said operative position.

2,462,672
BAKER'S PEEL
Louis Portner, Margate City, N. J.
Application March 31, 1948, Serial No. 18,120
4 Claims. (Cl. 107—67)

1. A baker's peel for holding and turning Kaiser rolls, comprising a blade and handle extending therefrom, a plurality of superimposed vanes pivotally mounted on the blade, means inter-connecting the said vanes, and means connected with one of said vanes to elevate all of said vanes when operated, whereby the preshaped dough placed on said vanes will simultaneously be turned from bottoms-up to bottoms-down position.

2,462,673
APPARATUS FOR TURNING WOOD HEELS
Justin P. Quirk and Ludwig G. P. Hafner, St. Louis, Mo., assignors to United Wood Heel Company, St. Louis, Mo., a corporation of Delaware
Application December 29, 1947, Serial No. 794,218
8 Claims. (Cl. 12—42)

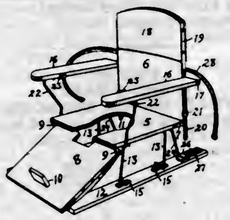


1. In a wood heel turning machine, having a tool for shaping a heel while its blank is rotated, a jack for holding the heel blank, and means for rotating the jack, the combination comprising a cam driven by said means, a second tool for operating on said blank, and mechanism under the control of said cam for moving the second tool into engagement with the blank.

2,462,674
CHEMICAL PLASTICIZERS OR SOFTENERS FOR BUTYL RUBBER
John Rehner, Jr., Westfield, and Paul J. Flory, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 22, 1943, Serial No. 507,302
4 Claims. (Cl. 260—29.1)

1. In the processing of a high molecular weight copolymer prepared by the steps of mixing together a major proportion of isobutylene with a minor proportion of a polyolefinic monomer having from 4 to 10 inclusive carbon atoms per molecule, cooling the mixture to a temperature within the range between —40° C. and —127° C. and polymerizing the cold mixture by the application thereto of a Friedel-Crafts catalyst dissolved in a low-freezing, non-complex-forming solvent; the copolymer being characterized by an iodine number within the range between 0.5 and 50; an actual molecular weight between 120,000 and 3,000,000, and reactivity with sulfur in a curing reaction; the steps in combination of milling into the polymer a portion of a cyclic carbon ring peroxide having from 10 to 14 inclusive carbon atoms per molecule and at least two coupled oxygen atoms in the molecule in a proportion within the range between 0.05% and 5% of the polymer; and thereafter continuing the milling of the polymer to improve the plasticity by a substantial amount.

2,462,675
CONVERTIBLE CHAIR FOR INFANTS
Robert F. Reiman, Fort Wayne, Ind.
Application August 4, 1947, Serial No. 765,883
6 Claims. (Cl. 155—31)



1. A child's folding chair in which is included base bars, a toilet seat provided with legs hingedly connecting said bars and toilet seat, braces hingedly connected with the toilet seat and removably secured to said base bars and adapted to be folded forwardly under the toilet seat, a back rest hingedly connected with the rear end of the toilet seat, and having latched connection therewith when in unfolded position, arm rests having pivotal connection with said back rest, links connecting said arm rests with said seat, a cover hingedly connected to the front end of said seat, adapted to be folded backwardly thereon to conceal same, and provide a foot rest when unfolded, a tray having slotted extending arms disposed loosely between the arm rests and the back rest having sliding movement on the pivotal supports therefor, stops on said arm rests adapted to limit movement of said arms in one direction, and stirrups on said back rest for the reception of said arms when the tray is positioned on the back rest.

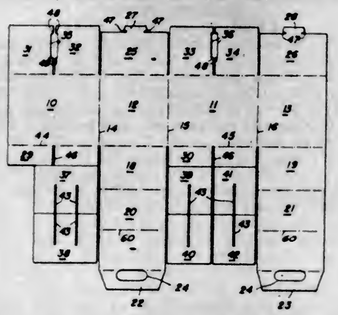
2,462,676
BOTTLE CARTON
Melvin A. Riley and Donald C. McClelland, Balti-

being moved upwardly through said point of alignment said braces expand said frame and rails in sufficient degree to force said rails later-

2,462,681
METHOD OF FORMING GERMANIUM FILMS
Vincent J. Schaefer, Schenectady, N. Y., assignor

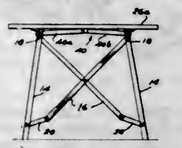
mounted at opposite sides of the plate container of the holder, and a slide having two spaced notches at one of its sides, one of said pawls being constructed and positioned to coact with

2,462,676
BOTTLE CARTON
Melvin A. Riley and Donald C. McClelland, Baltimore, Md., assignors to The Baltimore Paper Box Company, Baltimore, Md.
Application April 16, 1946, Serial No. 662,570
6 Claims. (Cl. 229—52)



1. A carton of the character described provided with first and second pairs of opposite walls, a pair of top flaps hingedly connected with the upper end of each wall of the first pair of walls, a double divider arranged in the carton and having hand hole flaps projecting upwardly between and above the top flaps, said hand hole flaps being adapted to lie flat on said top flaps or to extend upwardly side-by-side perpendicular to said top flaps, and other top flaps hingedly connected to the upper ends of the walls of the second pair of walls, overlying the first-mentioned top flaps and provided with tabs adapted to extend downwardly through the holes of the hand hole flaps and to interlock with the first-mentioned top flaps.

2,462,677
FOLDING TABLE
Charles H. Roberts, Roscoe, Calif.
Application March 19, 1946, Serial No. 655,516
1 Claim. (Cl. 311—89)



A table comprising a table top and a foldable frame including horizontal rails adapted to support said top, said rails being pivotally attached to said frame at their one end and being supported upon a pin extending from said frame at the other of the ends thereof, said rails being provided with openings, there being a smaller opening forming a recess at one side of each of said first named openings, and studs, said studs being dependent upon the under-side of said table top, said studs, openings and recesses being shaped so that the studs can enter the said openings and move laterally thereof into said recesses, and means to lock said studs into said recesses, said means comprising pairs of brace members hinged together at their inner ends and being fulcrumed upon and being adapted to move through points of medial longitudinal alignment whereby upon being moved upwardly through said point of alignment said braces expand said frame and rails in sufficient degree to force said rails laterally relative to said studs whereby said studs enter said recesses and are held in such position, said studs being formed with flanged heads shaped to over-hang said recesses whereby upon being brought in co-operative relationship said studs and associated table top cannot be lifted from said frame by vertically applied pressure.

2,462,678
CATALYSTS FOR POLYMERIZING OLEFINS
Milton J. Roedel, Talleyville, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1944, Serial No. 548,797
7 Claims. (Cl. 260—94)

7. In a process for the polymerization of a monoolefin containing not more than 4 carbon atoms at a temperature between 60 and 400° C. and under a pressure between 4 and 3000 atmospheres, the step which comprises conducting the reaction with an oxime as the catalyst.

2,462,679
RAINPROOF HEADWEAR
Ila E. Rosenau, Seattle, Wash.
Application September 13, 1946, Serial No. 696,804
2 Claims. (Cl. 2—175)

1. Rain headwear including a top covering or hat constructed of flexible, waterproof fabric and comprising a central crown sheet adapted to conform to the shape of the top of the head and a plurality of overlapping radially arranged independent petal portions secured at their inner ends to said crown sheet and covering the same and extending therebeyond to cover the top of the head and to afford ventilation and a detachable cowl constructed of light, flexible, waterproof material and means for detachably connecting said cowl to the rear portion of said crown sheet.

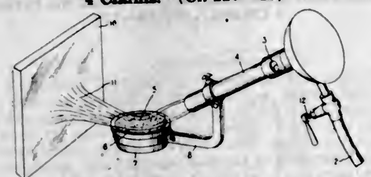
2,462,680
POLYMERS FROM ETHYLENE AND CARBON DIOXIDE
Donald E. Sargent, Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 5, 1946, Serial No. 645,655
6 Claims. (Cl. 260—94)

1. A process for the preparation of carbon dioxide-modified polymers of ethylene which comprises heating ethylene and carbon dioxide, in a weight ratio of ethylene to carbon dioxide between 0.5:1 to 5:1, at a temperature between 50 and 300° C. and a pressure above 100 atmospheres in the presence of a free radical-producing catalyst.

uniform height running around the inside of the said frame, the top of said strips being below the top of said frame to act as a stop and rest for a laced frame or box spring, a central member at-

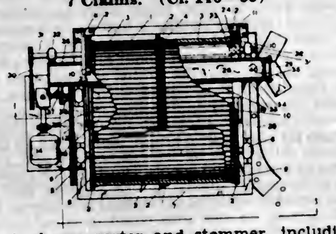
2,462,687
FILM MAGAZINE
Robert J. Stava, University Heights, Ohio, assignor to Picker X-Ray Corporation Waite Manu-

2,462,681
METHOD OF FORMING GERMANIUM FILMS
Vincent J. Schaefer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 3, 1947, Serial No. 758,761
4 Claims. (Cl. 117—46)



1. The method of forming a coating of germanium on a solid surface which comprises bringing the reducing portion of a low velocity gas flame into contact with a mass of germanium oxide and bringing the tip of said flame into contact with the surface to be coated.

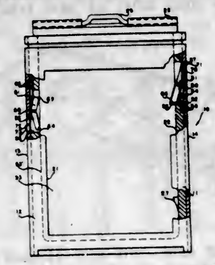
2,462,682
CHERRY STEMMING AND SORTING MACHINE
Homer M. Schubert, Salem, Oreg.
Application May 24, 1946, Serial No. 672,090
7 Claims. (Cl. 146—55)



1. A cherry sorter and stemmer, including a frame, an endless driven conveyor moving in the frame and moving in a path defining substantially parallel straight portions and curved end portions, and slats connected to and projecting inwardly of the conveyor with their adjacent sides during travel of the conveyor being spaced apart a distance to exclude entrance of a cherry and permit entrance of the cherry stem, the sides of the slats in the curved end paths of the travel of the conveyor moving into a path to grip any interposed cherry stem, means for feeding the stemmed cherries onto the straight portion of the conveyor to receive the stems of the cherries, said slats gripping the carried cherries' stems and supporting the connected cherries in moving in the curved path of travel of the conveyor; and means adjacent such path of travel of the conveyor for engaging and interrupting the movement of the carried cherries to separate the carried cherries and the slat-gripped stems.

2,462,683
PLATE HOLDER WITH SAFETY LOCK
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., Stamford, Conn.
Original application April 28, 1945, Serial No. 590,932. Divided and this application January 22, 1947, Serial No. 723,522
7 Claims. (Cl. 95—71)

1. Plate holder of the type described for photographic apparatus comprising two pivotal pawls mounted at opposite sides of the plate container of the holder, and a slide having two spaced notches at one of its sides, one of said pawls being constructed and positioned to coact with one of the notches for blocking slide movements in one direction, the other pawl being constructed and positioned to coact with the other notch for blocking slide movements in opposite direction, said pawls and notches being arranged to remain inoperative in response to a removal of a



slide inserted in a predetermined slide face position and upon reinsertion of the slide in the reversed slide face position, and to engage each other in response to an attempted reinsertion of the slide in the said predetermined slide face position for blocking such reinsertion, and also for locking a slide completely inserted in reversed slide face position, thereby preventing a removal of a reversed inserted slide without manipulation of the locking device.

2,462,684
STABILIZED INDENE AND ALKYL INDENE RESINS
Frank J. Soday, Baton Rouge, La., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 20, 1944, Serial No. 541,261
6 Claims. (Cl. 260—82)

3. A new composition of matter comprising resinous polymer produced by the polymerization with the aid of a resin-producing catalyst of a light oil fraction obtained from the products of pyrolysis of petroleum oil selected from the group consisting of the indene fraction boiling preponderantly in the range of from 175 to 190° C. and containing indene as the preponderant unsaturated hydrocarbon present and a similarly derived methyl indene fraction boiling preponderantly in the range of 190 to 220° C. and containing methyl indene as the preponderant unsaturated hydrocarbon present; and from 0.1 to 10% by weight based on said polymer of an antioxidant stabilizing agent comprising a product resulting from the reaction of acetone with an aryl amine selected from the group consisting of aniline, p-amino diphenyl and diphenyl p-phenylene diamine; said resinous polymer in the absence of an antioxidant stabilizing agent being subject to considerable oxidation on prolonged contact with air at room temperature.

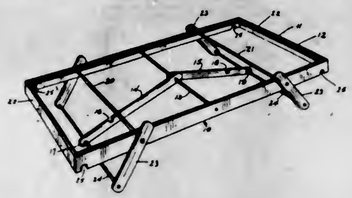
2,462,685
FOLDABLE COT
Paul Sproll, Long Island City, N. Y.
Application July 20, 1946, Serial No. 685,074
4 Claims. (Cl. 5—110)

1. In a folding cot of the character described, a rectangular frame of uniform size, strips of

2,462,689
INSECTICIDE DISPENSING DEVICE
Ernest A. Stretz, Compton, Calif.
Application August 3, 1944, Serial No. 547,931
1 Claim. (Cl. 119—159)

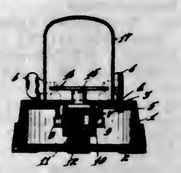
element to the line of action of the link is greater than the perpendicular distance from the pivotal mounting of the higher order carry element to said line of action.

uniform height running around the inside of the said frame, the top of said strips being below the top of said frame to act as a stop and rest for a laced frame or box spring, a central member attached at the central portion of the long sides of the said frame, supports pivoting in the central portion of said central member, said supports having notches adjacent the ends thereof and reverse notches spaced from said notches, circular rods adjacent the ends of said frame and passing through the long sides of said frame, legs on



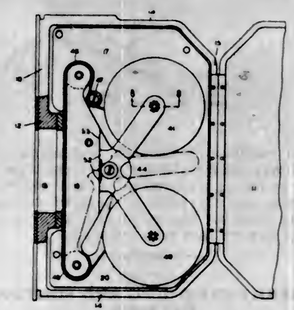
either side of said rods and pivoted upon the projecting ends of said rods, said legs having a circular rod attached between the ends of said legs, notches at the long sides of said frame and adjacent the ends thereof, whereby when said legs are pivoted against said frame, the rods between said legs fall within the notches in the ends of said frame and when said pivoted supporting members pivot upwardly the notches of said supporting members receive said circular rods adjacent the ends of said frame to provide a compact folding cot.

2,462,686
DICE AGITATOR
Ben W. Stallard, Cincinnati, Ohio
Application February 28, 1945, Serial No. 580,153
2 Claims. (Cl. 273—145)



2. A game device, comprising: a hollow base, a handwheel rotatively seated in the top of the base, having a plurality of wings extending radially therefrom to provide finger holds for manually rotating the handwheel and a hub axially extending from the lower side thereof within the base, the outer end of the hub formed with a series of cam teeth, a dice supporting tray above the handwheel having a headed shank axially extending from its lower side traversing said handwheel and axially reciprocable therein, with the head of the shank contacting the lower side of the handwheel to limit its movement, and a spring urged plunger within the base concentric with the hub of the handwheel with its head end contacting the head of the shank of the tray and having a pair of diametric lugs extending therefrom for cooperation with the cam teeth of the hub of the handwheel for depressing the plunger in the rotative movement of the handwheel and to abruptly release the same to deliver a percussive blow against the tray to tumble the dice thereupon.

2,462,687
FILM MAGAZINE
Robert J. Stava, University Heights, Ohio, assignor to Picker X-Ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio, a corporation of Ohio
Application September 24, 1947, Serial No. 775,862
5 Claims. (Cl. 88—17)



3. In a roll film magazine comprising a chambered casing having two film spool spindles mounted therein with their axes parallel, one end of each spindle having a mounting connected with said casing, the combination of a securing member mounted to turn about and to move bodily along an axis parallel to but spaced from said spool spindles and provided with two arms, one arm for engaging the opposite end of each spindle, said securing member normally providing bearings for said spools and locking them in place but being adjustable by motion around and along its axis to release the spools and film for removal and replacement, means for so holding said securing member against accidental movement longitudinally of its own axis when in spool locking position, and stop means preventing rotation of said securing member about its axis when it is in spool locking position.

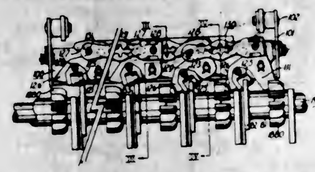
2,462,688
COVER HOLDER
Thomas P. Stone, Bay City, Mich.
Application June 24, 1946, Serial No. 678,750
1 Claim. (Cl. 24—87)

In a cover holder, a resilient wire rod forming a normally straight but bendable shank, a continuation of said rod at least at one end of said shank being arcuated and disposed in the normal plane of said shank so as to provide the first substantially semi-circular region of a circular cover-engaging eye-piece, the remaining region of said eye-piece being disposed in an upwardly inclined plane and overlapping the first region at a point adjacent the confluence of the first region with said shank, an end portion of said rod constituting a continuation of said remaining region being angulated to cross over the first region of the eye-piece and to extend downwardly therefrom at one side of said shank, said end portion terminating in an arcuate and pointed cover engaging prong.

2,462,689
INSECTICIDE DISPENSING DEVICE
Ernest A. Stretz, Compton, Calif.
Application August 3, 1944, Serial No. 547,931
1 Claim. (Cl. 119—159)

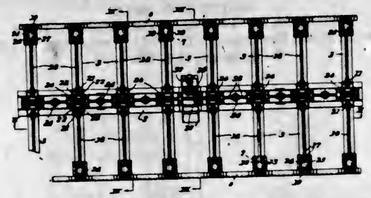
An insecticide dispenser for animals comprising a pair of separable interlocking hemispherical segments, one segment being externally threaded about its outer peripheral edge, the other segment being internally threaded about its inner peripheral edge for threadable engagement over the threaded portion of said first mentioned segment, an inwardly extending detent on the inner wall of one of said segments, a leaf spring attached to the inner surface of the other segment provided with an aperture through its free end adapted to resiliently engage and overlie said detent when said sections are threaded together to form a spherical body for containing an insecticide, a release button slidably disposed through the wall of the receptacle supporting the leaf spring engageable therewith for disengaging the same from said detent for permitting the unscrewing and separation of said hemispherical segments, one of said segments having insecticide dispensing apertures formed therethrough, and pivotal means adjacent said dispensing apertures for supporting said dispenser upon the body of an animal.

2,462,690
REVOLUTIONS COUNTER ACTUATOR
Clarence K. Studley, Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application June 3, 1946, Serial No. 674,100
6 Claims. (Cl. 235—137)



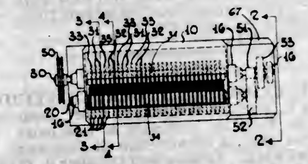
3. In a calculating machine having a revolution counter including a series of ordinally arranged numeral wheels each rotatable to positions indicative of the digits zero to nine inclusive and tens-carry mechanism between said wheels including, a series of ordinally arranged carry elements each operable to actuate its respective numeral wheel and each pivotally mounted for differential rocking movement of the same out of operative relationship with said numeral wheel, and means operable in accordance with the position of the immediate lower order numeral wheel to cause said rocking movement; in combination with, means for transmitting said rocking movement from one lower order carry element to the next higher order carry element including a link pivotally connected to said lower and higher order carry elements, the points of pivotal connection of the link to the respective carry elements being so located with respect to the points of pivotal mounting of the respective elements that the perpendicular distance from the pivotal mounting of the lower order carry element to the line of action of the link is greater than the perpendicular distance from the pivotal mounting of the higher order carry element to said line of action.

2,462,691
APPARATUS FOR TRANSFERRING MATERIAL
Ralph N. Thompson, Melvindale, Mich., assignor to National Steel Corporation, a corporation of Delaware
Application January 5, 1945, Serial No. 571,510
3 Claims. (Cl. 294—67)



3. Apparatus for transferring material, comprising a frame including a cross member, material engaging jaws supported by and movable along the cross member toward and away from each other, oppositely threaded screws extending oppositely along the cross member, and a nut threadedly engaging each screw and operatively connected to each jaw, each of said nuts being tiltable relative to the corresponding jaw.

2,462,692
TEARING AND DIVIDING EQUIPMENT
Herbert H. Vickers, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application May 4, 1945, Serial No. 591,880
6 Claims. (Cl. 146—122)



1. A self-cleaning tearing and dividing machine for semi-adhesive plastic material which comprises a comb roll and a cutting roll, said rolls rotating toward each other at differential speeds, the slower moving comb roll carrying radially equi-spaced, substantially flat teeth, the faster moving cutting roll carrying radially equi-spaced claw-shaped teeth curved forwardly to expose a concave edge in the direction of rotation and thereby adapted to exert a gripping action against the material held by the trailing edge of said flat teeth, the said cutting roll also carrying in a position longitudinally intermediate to said claw-shaped teeth dividing discs of substantially the same maximum radius as the said claw-shaped teeth, the two rolls being so mounted that the said discs and teeth of the cutting roll are adapted to cut through the spaces between the teeth of the comb roll with slight clearances from each other and from the rolls, the speeds of rotation and the number of teeth on each roll being such that said comb roll presents a row of teeth in a given plane when claw points on said cutting roll

are in the same plane, the coaction of said two rolls being such that after one set of claw-shaped teeth has cut through the plastic by shearing said plastic against the opposing flat teeth, said flat teeth, during movement downward, are overtaken by the next following set of claw-shaped

providing a fuel supply chamber annularly of the body, a fuel port in the body communicating at its inlet end with the chamber and at its discharge end with the passageway, and a sleeve valve rotatably mounted on the body within the chamber

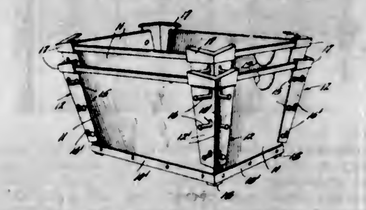
the inner end of the sleeve and rotatably bearing against said side wall in normal covering relationship to the main fuel feed port, said disc-like valve having an eccentric peripheral portion adapted upon rotation thereof to gradually open and close said main fuel feed port, means carried

device are adapted to move, two of said members being connected respectively with said parallel conductors and a third of said members being connected with said neutral point.

---

are in the same plane, the coaction of said two rolls being such that after one set of claw-shaped teeth has cut through the plastic by shearing said plastic against the opposing flat teeth, said flat teeth, during movement downward, are overtaken by the next following set of claw-shaped teeth of the faster moving roll which claw-shaped teeth pass sweepingly alongside the trailing edges of said flat teeth in a parting direction outwardly and downwardly from the center of the roll carrying the said flat teeth.

2,462,693
SHIPPING BOX
Benjamin A. Wabshaw, Des Moines, Iowa
Application September 19, 1947, Serial No. 775,020
7 Claims. (Cl. 220—97)



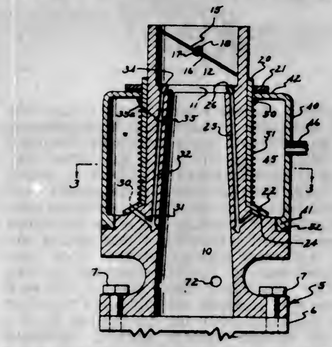
2. A shipping container comprising a rectangular bottom, four separate walls each connected at its lower edge to said bottom and swingable outwardly from the vertical about an axis substantially coincident with the connection between said wall and said bottom, and means connecting adjacent edges of said walls to form a box structure, said last means comprising four corner members each engaging two walls and adjustable relative thereto for selectively securing said walls in vertical or inclined position, each said corner member comprising two wings set at right angles and each provided with a plurality of generally horizontal slots, and said walls being provided with projections adjacent their edges for slidably engaging said slots.

2,462,694
NONFLAMMABLE HYDRAULIC FLUID
Kenneth E. Walker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 9, 1946, Serial No. 702,083
13 Claims. (Cl. 252—75)

1. A hydraulic fluid consisting essentially of water, a polyhydric alcohol having from 2 to 5 carbon atoms per molecule, and, as a soluble thickener, from 0.2 to 30 grams of a polymerised alkylene ether having a molecular weight in excess of about 1000 and having recurring alkylene groups containing from 2 to 4 carbon atoms, per 100 c. c. of the said mixed water and polyhydric alcohol, the principal ingredient of the said fluid being the said polyhydric alcohol.

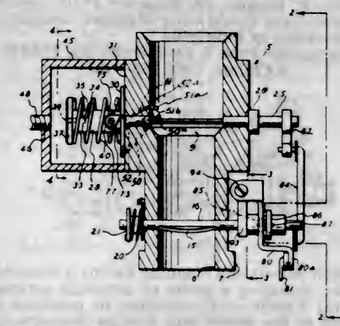
2,462,695
CARBURETOR
Frank D. Warburton, Southgate, Calif.
Application June 10, 1944, Serial No. 539,633
7 Claims. (Cl. 261—41)

1. A carburetor comprising a body presenting an air passageway therethrough, a control valve operably associated with the passageway, actuating means associated with the control valve, walls providing a fuel supply chamber annularly of the body, a fuel port in the body communicating at its inlet end with the chamber and at its discharge end with the passageway, and a sleeve valve rotatably mounted on the body within the chamber



for cooperation with the inlet end of the fuel port, said sleeve valve being operable in response to said actuating means to establish variable communication between the fuel supply chamber and said fuel port.

2,462,696
CARBURETOR
Frank D. Warburton, South Gate, Calif.
Application June 23, 1945, Serial No. 601,259
2 Claims. (Cl. 261—51)



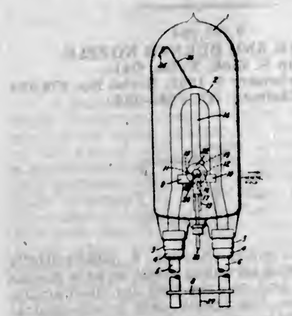
1. In a carburetor, the combination of a body having an air passage therethrough and a fuel supply chamber, a first shaft journaled in the body and disposed transversely of the air passage adjacent the outlet end thereof, a butterfly valve carried by the shaft to control the air passage, a second shaft journaled in the body and disposed tranversely of the air passage between the inlet end thereof and the first-mentioned shaft, one end of the second shaft projecting into the fuel supply chamber through a side wall thereof, a main fuel feed port and a booster fuel feed port in the body, each opening at one end into the fuel supply chamber through said side wall and communicating at its other end with the air passage, a sleeve axially slidably mounted on the second shaft within the fuel supply chamber, means preventing rotation of the sleeve relative to the second shaft, a disc-like valve fixed on

the inner end of the sleeve and rotatably bearing against said side wall in normal covering relationship to the main fuel feed port, said disc-like valve having an eccentric peripheral portion adapted upon rotation thereof to gradually open and close said main fuel feed port, means carried by the disc-like valve to control the booster fuel feed port, said means being operable in response to initial rotation of the disc-like valve in a direction which will open the main fuel feed port to momentarily open the booster fuel feed port, and means for rotating the shafts, said last-named means having a lost motion connection to the first shaft and a fixed connection to the second shaft whereby to cause limited initial rotation of the disc-like valve before actuating the butterfly valve.

2,462,697
THIOPHENE-2-CARBOXYLIC ACID
Viktor Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 25, 1947, Serial No. 737,096
1 Claim. (Cl. 260—329)

In a process for preparing thiophene-2-carboxylic acid and thiophene-2-carboxylic acid chloride, the steps which comprise condensing thiophene with acetic anhydride in an organic solvent of the class consisting of nitrobenzene and chlorinated benzenes and in the presence of anhydrous aluminum chloride to form 2-aceto-thienone, separating the solvent solution of the crude aceto-thienone from the reaction mass and oxidizing the 2-aceto-thienone while dissolved in the organic solvent with an aqueous alkaline solution of sodium hypochlorite to the sodium salt of thiophene-2-carboxylic acid.

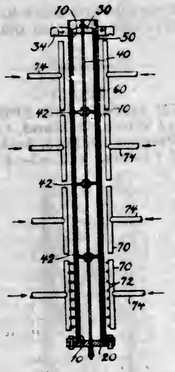
2,462,698
ELECTRICAL DISCHARGE DEVICE
Donald A. Wilbur, Troy, N. Y., assignor to General Electric Company, a corporation of New York
Application June 23, 1945, Serial No. 601,126
14 Claims. (Cl. 250—27.5)



1. A magnetron device comprising, an envelope, a transmission line including a pair of parallel conductors extending through a wall of said envelope, means electrically connecting said conductors within said envelope to provide an electrically neutral point, a plurality of anode members having portions cooperating to define a substantially cylindrical space within which the electrons constituting the space charge of the

---

2,462,699
FABRICATION OF CONDUITS FOR CORROSIVE FLUIDS
Leon J. Wilcox, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 29, 1944, Serial No. 570,453
1 Claim. (Cl. 22—202)



The method of fabricating conduits for corrosive fluids consisting of an outer pressure-resistant casing of steel, and a rigid inner liner of a corrosion-resistant, microporous carbon material separated from and bonded to said casing by a poured lead interliner, which comprises supporting the rigid liner concentrically of the casing, and in spaced relation thereto, by means of a mold element attached to the lower end of the casing in spaced relation thereto, said mould element and liner forming with the casing an annular chamber having an outwardly extended annularly flanged portion overlapping the lower end of the casing, pouring molten lead into said chamber from the upper end thereof to completely fill the chamber, cooling the molten lead under controlled conditions of solidification, adding molten lead to the chamber to supply any shrinkage deficiency, cropping the upper end of the conduit to remove dross in the interliner, and facing the upper end of the cropped casing with lead thermally united to the cropped end of the lead interliner.

2,462,700
UNIVERSAL JOINT
Sven Gustaf Winquist, Goteborg, Sweden
Application June 18, 1945, Serial No. 600,155
In Sweden July 4, 1944
8 Claims. (Cl. 64—21)

1. Universal joint having a single centre of deflection and comprising a driving joint member having at least two pairs of arms alternately on a larger and a smaller radius from the centre of deflection, a driven joint member having the same number of arms similarly arranged, the inner arms on one joint member being situated inside of the outer arms on the other joint member and vice versa, races on the arms on both sides thereof in a peripheral direction, rollers

interposed between the races for transmitting motion between the joint members, and a guide member disposed between the joint members,

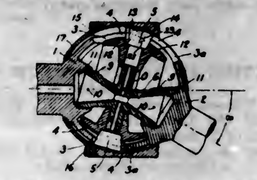
connecting said lengths of shafting, a motor on one of said bench frames, variable speed reduction gearing of large speed range on said motor-provided bench frame and connecting said motor to said length of shafting thereon, distant control

exterior of the nozzle being unobstructed between said means and the first and second ports to permit duel discharged from the ports to comingle directly with fuel discharged from said means, and means for supplying fuel to the nozzle.

height substantially equal to its maximum width, said top edge of the rear section being downwardly arched, and said top edge of the front section being substantially straight.

2,462,707

interposed between the races for transmitting motion between the joint members, and a guide member disposed between the joint members,



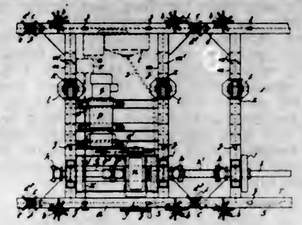
connected thereto and operative to guide the rollers substantially in the bisector plane of the joint members.

2,462,701
POWER SHEAR AND SPRAYER
Rand Wirth, Oakland, Calif.
Application October 10, 1945, Serial No. 621,459
9 Claims. (Cl. 47—1)

1. A shear comprising, a cylinder, two cylindrical shear members having each a shear recess formed in one side provided with cutting edges, and with the other side cut away to clear extensions of objects to be sheared, and with one shear member axially mounted on said cylinder and with the other shear member rotatable within and relative to the one member, and sector type chambers formed in said cylinder and a vane operating therein and operatively connected to said other of said shear members for relatively rotating said shear members in one direction for shearing and in the reverse direction for return of the blades to an initial position.

2,462,702
BENCH FRAMES FOR SUPPORTING AND ROTATING LONG CYLINDRICAL VESSELS DURING WELDING
Herbert Yates, Kingsbury, London, England
Application September 27, 1947, Serial No. 776,540
In Great Britain October 16, 1946
9 Claims. (Cl. 214—1)

1. A welding manipulator consisting of a plurality of bench frames, jacks on and supporting said bench frames, laterally separated interengaging coupling elements at both ends of said bench frames intersupportingly interconnecting said bench frames end to end, a length of shafting on each bench frame, work-supporting rollers on said bench frames rotatable by said shafting on each bench frame, shaft couplings interconnecting said lengths of shafting, a motor on one of said bench frames, variable speed reduction gearing of large speed range on said motor-provided bench frame and connecting said motor to said length of shafting thereon, distant control

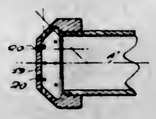


means of said motor and said gearing operable from any of said bench frames, and further work-supporting rollers on said bench frames transversely separated from said work-supporting rollers rotatable by said shafting.

2,462,703
COPOLYMERS OF MULTIOLEFINS WITH VINYL ETHERS AND METHOD OF MAKING SAME
David W. Young, Roselle, and William J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 29, 1945, Serial No. 638,516
10 Claims. (Cl. 260—86.5)

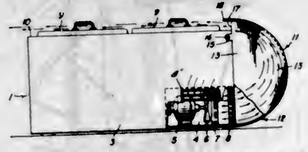
1. A copolymerization process comprising the steps in combination of mixing together one to sixty parts of a multiolefin having from 4 to 10 carbon atoms per molecule and 99 to 40 parts of a vinyl ether having from 3 to 8 carbon atoms per molecule, cooling the mixture to a temperature within the range between +10° C. and —164° C. and polymerizing the resulting mixture by the addition thereto of a Friedel-Crafts catalyst in solution in a solvent which is liquid at the reaction temperature and which does not form a complex with the catalyst.

2,462,704
BURNER AND BURNER NOZZLE
John S. Zink, Tulsa, Okla.
Application February 7, 1945, Serial No. 576,524
8 Claims. (Cl. 158—116)



1. A burner nozzle having a substantially frusto-conical wall arranged about an axis, means at the smaller end of said wall for discharging fuel axially from the nozzle, said frusto-conical wall being provided adjacent its smaller end with first ports arranged substantially at right angles to said axis and also provided with second ports arranged at obtuse angles to said axis, said second ports being arranged further away from the smaller end of the wall than the first ports and the first and second ports being so related that fluid discharged through them will impinge at points adjacent to the smaller end of the nozzle, and spaced from the outer surface of said wall, the exterior of the nozzle being unobstructed between said means and the first and second ports to permit duel discharged from the ports to comingle directly with fuel discharged from said means, and means for supplying fuel to the nozzle.

2,462,705
MOISTURE REMOVING DEVICE FOR DEEP FREEZERS
Raymond O. Abeling, Torrington, Conn., assignor of fifty per cent to John Hirchak, Torrington, Conn.
Application December 31, 1947, Serial No. 795,015
3 Claims. (Cl. 62—89)

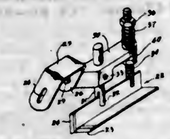


1. The combination with a deep freezer having a top lid, a condenser coil compartment with an outlet adjacent the bottom and in one vertical wall thereof, and means for discharging air under pressure out of said outlet, of means for deflecting such discharging air upwardly to the top of said freezer having a discharge opening extending across said top from one side of said freezer to an opposite side and in a plane perpendicular to said top, whereby such air is discharged along said top and lid to remove moisture from the same.

2,462,706
BLOUSE WITH VARIABLE NECKLINE EFFECT
Felicia Alberich, Sunnyside, N. Y.
Application January 23, 1948, Serial No. 3,913
5 Claims. (Cl. 2—106)

5. A pull-over garment incorporating a peripherally continuous neck opening including a rear portion for lying against the nape of the back of the wearer and a front portion which is of a length several times that of said rear portion, said garment including a front section substantially T-shaped in outline with the ends of the cross-bar of the T substantially triangular, said bar-ends having outwardly downwardly sloping upper edges and inwardly downwardly sloping bottom edges, and said front section having a substantially straight top edge joining said outwardly downwardly sloping edges, which top edge provides said longer portion of said neck opening, said garment also including a rear section which near its top has laterally extending projections having outwardly downwardly sloping top edges and inwardly downwardly sloping bottom edges, said rear section having a top edge joining its said outwardly downwardly sloping edges, which top edge provides said shorter portion of said neck opening, said front section having a maximum width greater than its maximum height, and said rear section having a maximum height substantially equal to its maximum width, said top edge of the rear section being downwardly arched, and said top edge of the front section being substantially straight.

2,462,707
SCRAP REMOVING DEVICE
Harold F. Allen, De Witt, N. Y., assignor to Allen Jigger Corporation, Syracuse, N. Y., a corporation of New York
Application October 17, 1947, Serial No. 780,400
5 Claims. (Cl. 25—24)



5. A scrapper for pottery jiggering machines comprising a bracket adjustably secured to the jiggering tool, a support adjustably secured to the bracket, a scrap removing blade pivotally mounted intermediate its ends to said bracket, said blade being formed with a horizontal edge at its forward end arranged to engage the top surface of a mould, and having a vertical edge portion arranged in trimming relation to the periphery of a piece of ware on the mould, said vertical edge extending forwardly of said horizontal edge, and means cooperable to yieldingly urge said horizontal edge against the surface of the mould.

2,462,708
CIRCUIT INTERRUPTER
Benjamin P. Baker, Turtle Creek, and Winthrop M. Leeds, Wilkinsburg, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 19, 1945, Serial No. 573,522
11 Claims. (Cl. 200—150)

1. In a circuit interruptor, an arc-extinguishing unit, a substantially enclosed first chamber disposed adjacent one end of the unit, a piston chamber disposed intermediate the ends of the unit, an interrupting chamber disposed adjacent the other end of the unit, means comprising an intermediate contact for establishing a pressure-generating arc within the first chamber, means for establishing an interrupting arc within the interrupting chamber, and piston means associated with the intermediate contact and movable into the piston chamber during the opening operation of the interrupter, the piston means be-

ing charged by closing movement of the intermediate contact but independently movable therefrom during the opening operation of the interrupter.

abrasive wheel guard section, the apex of the contraction pointing in the direction of rotation of the abrasive wheel.

having lips formed along the longitudinal edges on one surface thereof, said retainer plate having a substantially closed cylindrical slot formed at its lower end, a hinge pin in said cylindrical slot

2,462,715
WARNING MAGNETIC UNIT
James C. Booth, Jackson Heights, N. Y.
Application September 16, 1944, Serial No. 554,385
1 Claim. (Cl. 177—311)

ing charged by closing movement of the intermediate contact but independently movable therefrom during the opening operation of the interrupter.

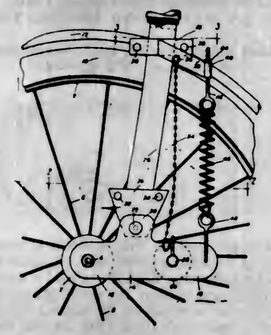
2,462,709
TOGGLE ACTUATED TOOL AND RELEASE THEREFOR
Edgar Dale Ball, Hersley Woodhouse, near Derby, England, assignor to Taylor-Ball Developments Limited, London, England
Application February 21, 1945, Serial No. 579,138
In Great Britain March 6, 1944
3 Claims. (Cl. 81—64)

1. A toggle actuated appliance comprising a pair of jaws, one of said jaws being L-shaped and having one of its limbs bifurcated, said bifurcated end straddling the other of said jaws, said other jaw having a slot therein, a hinge pin mounted in said slot, the ends of said bifurcated limb being secured to said hinge pin, an actuating member hingedly engaging at one end thereof the L-shaped jaw at the junction point of the two limbs of said L-shaped jaw, a link connected at its opposite ends to a point intermediate the ends of said actuating member and to the other said jaw, and an adjusting screw engaging with said other jaw and said hinge pin.

2,462,710
ABRASIVE WHEEL GUARD
Lewis John Howell Ballinger, Randwick, near Stroud, England
Application July 17, 1946, Serial No. 684,141
In Great Britain May 30, 1946
2 Claims. (Cl. 51—267)

1. A guard for a high speed abrasive wheel formed in complementary sections, one section being clamped to the housing of the wheel spindle, another and complementary section being detachably attached to the first mentioned section, each section being formed with fluid passages connecting a fluid inlet to portways formed on the inside guard faces against the side faces of the abrasive wheel and reasonably near the outside diameter of flanges on the abrasive wheel support, the portways connecting with radial passages wedge shaped in cross section and open to the wheel on the sides adjacent the wheel and which contract in the direction of rotation of the wheel also formed on the inner faces of the abrasive wheel guard section, the apex of the contraction pointing in the direction of rotation of the abrasive wheel.

2,462,711
FRONT WHEEL BICYCLE KNEE ACTION
Willard W. Barnett, Clovis, N. Mex.
Application August 2, 1946, Serial No. 687,354
1 Claim. (Cl. 280—277)



The combination with a bicycle fork for the front wheel, of a rocker, a plate journaling the rocker and detachably secured to the lower end of the fork, a wheel journaled on the forward portion of the rocker, a bracket detachably secured to the upper end of the fork, a coil spring interconnecting the rear portion of the rocker and the bracket, means for adjusting the tension of the spring, a chain for limiting the extended movement of the spring and a rubber cushion on the rear portion of the rocker positioned to abut the said plate and resiliently stop the upward movement of the rear portion of the rocker.

2,462,712
PREPARATION OF DL-MENTHONE
Arthur L. Barney, West Lafayette, Ind., assignor to Purdue Research Foundation, La Fayette, Ind., a corporation of Indiana
No Drawing. Application August 18, 1942, Serial No. 455,279
2 Claims. (Cl. 260—587)

1. The method which includes: heating a material selected from the group consisting of menthols and menthones other than dl-menthone, at its boiling point under the pressure employed, with a catalyst selected from the group consisting of Raney nickel and copper chromite, and in the presence of an alkali metal base; and, condensing the dl-menthone vapors produced.

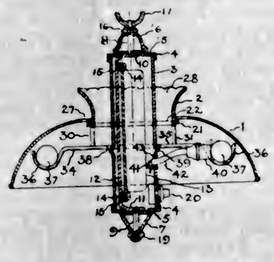
2,462,713
FILM HOLDER
Myers A. Bilofsky, Loch Arbour N. J.
Application June 7, 1947, Serial No. 753,323
1 Claim. (Cl. 95—66)

A film holder, comprising a pair of side members, a cross member inter-connecting said side members, a pair of cross panels, one on each side of said cross member and nesting with said side members, said cross member and said cross panels forming a pair of slots therebetween, an inner side member secured to the inner surface of each of said side members and in face-to-face relation one with the other, at least one retainer plate

having lips formed along the longitudinal edges on one surface thereof, said retainer plate having a substantially closed cylindrical slot formed at its lower end, a hinge pin in said cylindrical slot and having its ends protruding therefrom, said ends of said hinge pin being seated in said inner side members adjacent the lower ends thereof, said holder having at least one dark slide adapted

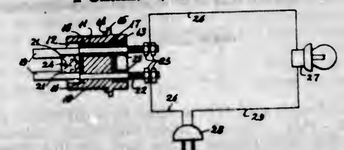
to be withdrawn from an end of the holder, said inner side members having grooves formed therein for receiving said slide, and light valve means mounted in the underside of said cross member, said retainer plate having a groove formed therein adjacent the lower edge thereof, the wall of said groove flaring outwardly to receive the bottom edge of a film and said slide within said groove.

2,462,714
CIRCULAR-LINE FLUORESCENT LIGHTING FIXTURE
Hugo E. Bohl, Westfield, N. J.
Application December 6, 1945, Serial No. 633,125
5 Claims. (Cl. 240—51.12)



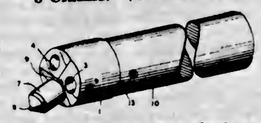
4. In a fluorescent lighting fixture, the combination of a central member adapted to receive a fluorescent lamp transformer, heat releasing slots in said member, a starting switch in said member, a circular fluorescent lamp connected with said transformer and said starting switch to form a complete electrical circuit, and a reflector assembly comprising a downwardly reflecting canopy having arcuate apertures surrounding an upwardly extending crown adapted to reflect light from said apertures in a generally horizontal direction, and means embracing said central member which supports said lamps and said reflector assembly above said lamp.

2,462,715
WARNING MAGNETIC UNIT
James C. Booth, Jackson Heights, N. Y.
Application September 16, 1944, Serial No. 554,385
1 Claim. (Cl. 177—311)



A magnetic metal detecting plug, comprising an externally threaded plug body for mounting in a threaded opening formed in a motor casing, said plug body having its ends formed with recesses and spaced orifices extended therethrough between the base walls of said recesses, washers of insulation material disposed in said recesses and formed with orifices in alignment with said orifices of said plug body, bar magnets within the recess of said plug body on the inside of the motor casing and arranged in axial alignment with said aligned orifices and of a cross-sectional size slightly greater than the diameter of said aligned orifices to abut the outer face of the adjacent washer about its orifices, said bar magnets having unlike poles extended away from said plug body, threaded stems continuing from said bar magnets in axial alignment therewith and extended through said aligned orifices and projected beyond the other end of said tubular body, a tubular insulator in one of said orifices of said tubular body between the adjacent faces of said washers and through which the respective threaded stem extends, nuts threaded on the extended ends of said threaded stems and abutting the adjacent face of the adjacent washer securing said threaded stems in position in said aligned orifices, and a pair of clamp nuts on the extended end of each of said threaded stems outwards of said first-mentioned nuts.

2,462,716
TOOLHOLDER
Sheldon M. Booth, Chicago, Ill.
Application April 29, 1946, Serial No. 665,809
8 Claims. (Cl. 125—39)



1. A device of the class described comprising a head having a plurality of angularly spaced sockets in one end, said sockets each being adapted to receive a cutting tool and each socket axis being at a different predetermined angle relative to the axis of said head, and an eccentrically located shank extending axially from the other end of said head, said shank having its axis radially equidistant from the positions of the tip of a cutting tool seated in said sockets selectively.

2,462,717
BUTTON FASTENER
Milton Frank Brown, Jr., Thomson, Ga.
Application November 13, 1945, Serial No. 628,263
1 Claim. (Cl. 24—103)

A button fastening comprising a button having button holes therein, a staple including a flat base portion having prongs thereon positioned at right

angles to said base portion, said flat base portion being juxtaposed with respect to one side of said button, an attaching strip of textile fabric under-

tion normally extending from the bar when the device is in position thereon and arranged at an oblique angle to the bar, a hook formed on

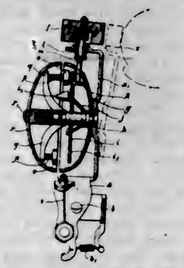
segmental clamping members constructed to jointly embrace the adjacent ends of two of said sections when the latter are arranged in longi-

an elastic band which is engaged in a stretched condition over said barrel, a sliding plate positioned between said first named plates, a lug integrally formed with said sliding plate and extend-

angles to said base portion, said flat base portion being juxtaposed with respect to one side of said button, an attaching strip of textile fabric underlying said flat base portion and on the opposite side thereof from said button, said prongs extend-

ing through said fabric strip in a direction away from said button, and stitching extending through said button holes and passing through said fabric and on each side of said flat base portion, thereby securing all the parts together.

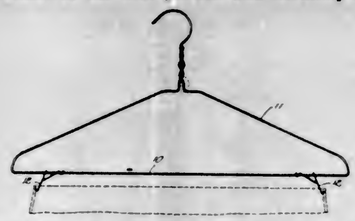
2,462,718
CYCLE BELL
Marcel Brun, Saint-Etienne, France
Application August 4, 1947, Serial No. 765,957
In France December 1, 1945
Section 1, Public Law 690, August 8, 1946
Patent expires December 1, 1965
2 Claims. (Cl. 116—61)



1. A cycle bell comprising a support; a gudgeon fixed on said support; a first sounding dome fixed to said support coaxially to said gudgeon, said dome opening opposite to said support; a member rotatably mounted on said gudgeon within said dome; means to rotate said member, said means embodying a frictional roller rotatably carried by said support and adapted to bear on a cycle tyre; a second sounding dome carried by said gudgeon coaxially to said first dome, in opposed relation thereto; strikers in close but non-contacting relation with each of said domes; means embodying springs to support said strikers, said last-named means being attached to said gudgeon; means on said rotatable member adapted to pass between said domes and said strikers to move the latter inwardly in succession and to release the same; said member being the form of a perforated plate and said first means comprising a pinion in engagement with said plate, and a shaft passed through a hole in said first sounding dome at about right angles to said gudgeon, said shaft being rotatably carried by said support and carrying said pinion within said first dome and said frictional roller externally of said dome.

2,462,719
SUSPENDING DEVICE
Noel M. Byrd, Charleston, Ill.
Application September 22, 1945, Serial No. 618,013
3 Claims. (Cl. 223—88)

1. A self-locking suspending device adapted for use on a bar support consisting of a normally slidable continuous unit comprising a first portion normally extending from the bar when the device is in position thereon and arranged at an oblique angle to the bar, a hook formed on the free end of the first portion, a loop on the bar end of the first portion extending around the top of the bar, a second portion extending from the other side of the loop in substantially the same direction as the first portion and normally sub-

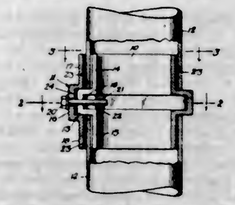


stantially parallel thereto, a third portion at the end of the second portion extending at an acute angle up to a level above the center of the bar, and a U-shaped portion on the bar end of the third portion with the concave part of the U pressing against the bottom of the bar, whereby an inward and downward force exerted on said first portion urges said U-shaped portion into frictional locking engagement with said bar.

2,462,720
GAS PRODUCER
Marc F. Charrier, Monticello, N. Y.
Application February 6, 1948, Serial No. 6,679
2 Claims. (Cl. 48—89)

1. In a gas producer, a fire box, a retort above said fire box, said retort being divided into two gas generating chambers, with separate means of access to each chamber, a plurality of combustion flues, said flues forming the division between the generating chambers, and aranged to function as a grate for the upper chamber.

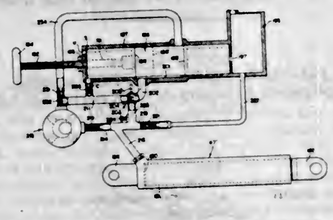
2,462,721
CLAMP
Harold Cohen, Elizabeth, N. J.
Application March 22, 1947, Serial No. 736,468
5 Claims. (Cl. 285—197)



1. A clamp for tubular sections of a mast or analogous structure comprising two cooperative

segmental clamping members constructed to jointly embrace the adjacent ends of two of said sections when the latter are arranged in longitudinal alinement, said members overlapping each other and having opposed flanges contacting the inner and outer surfaces of the sections, and securing means engaging said members causing them to clamp the sections in their longitudinal alinement.

2,462,722
CONTROLLABLE HYDRAULIC POWER LIFT
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application February 19, 1942, Serial No. 431,524
19 Claims. (Cl. 60—52)



1. Hydraulic control mechanism for agricultural machines and the like, comprising a cam-type suction controlled fluid pump having spring loaded intake valves, a working cylinder and piston unit having a working chamber with a given volumetric capacity and adapted to receive fluid under pressure from said pump, means providing a measuring chamber having substantially the same volumetric capacity as said cylinder and piston unit, means for delivering a measured quantity of fluid from said measuring chamber to said pump, said fluid delivering means including means for applying pressure against the fluid in said measuring chamber, the loaded valves of said pump being loaded to a degree that prevents the pump intake valves from opening except when positive pressure is applied to the fluid in said measuring chamber, and means for varying the volumetric capacity of said measuring chamber so as to control the amount of fluid delivered by said pump to said cylinder and piston unit.

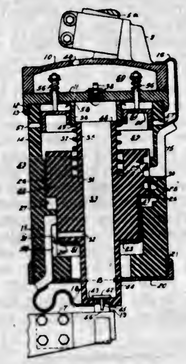
13. A hydraulic system comprising a ram, a pump, a measuring chamber, biased valve means disposed between said pump and measuring chamber for controlling the flow of fluid to said ram and to prevent any flow of fluid to said pump from said chamber unless positive pressure is applied to the fluid in said chamber sufficient to overcome said biased valve means, valve controlled means establishing a by-pass between said ram and chamber, and combined means for controlling said valve controlled by-pass means and applying positive pressure to the fluid in said chamber for thereby causing fluid to flow from said pump and thence to said ram unit.

2,462,723
TOY REPEATING RUBBER BAND GUN
John R. Crnich, Chicago, Ill.
Application June 30, 1945, Serial No. 602,534
3 Claims. (Cl. 124—19)

1. A toy gun for shooting elastic bands comprising a pair of spaced plates, said plates defining a stock of the gun, a barrel connected to said plates, a plurality of alined teeth upon said plates, each pair of aligned teeth being shaped to hold an elastic band which is engaged in a stretched condition over said barrel, a sliding plate positioned between said first named plates, a lug integrally formed with said sliding plate and extending beyond said teeth, said lug being provided with an inclined face for the purpose of disengaging said elastic bands from said teeth in succession for propelling the same when said sliding plate is shifted within said stock, said plates of said stock being provided with alined recesses,

said sliding plate being provided with a plurality of finger openings arranged in a row and in the path of said recesses, said finger openings constituting means whereby said sliding plate may be engaged for shifting the same, and means cooperating with said plates and said sliding plate whereby the shifting of the latter plate may be periodically limited to the extent required for said lug to dislodge a single elastic band from the pair of said teeth with which the same is in engagement.

2,462,724
CIRCUIT INTERRUPTER
James M. Cumming, Turtle Creek, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 1, 1945, Serial No. 575,589
4 Claims. (Cl. 200—150)



1. In a circuit interrupter, an arc extinguishing unit, a relatively stationary contact, a piston member carrying a movable contact, opening motion of the piston member causing a separation of the movable contact from the stationary contact to establish an interrupting arc and a forcing of fluid against the same, the piston member having a surface which is drawn adjacent the arc during the opening operation, means for establishing a serially related pressure-generating arc, the pressure-generating arc facilitating the opening motion of the piston member, and second piston means operated by the pressure created at the pressure-generating arc to increase the pressure maintained at the interrupting arc.

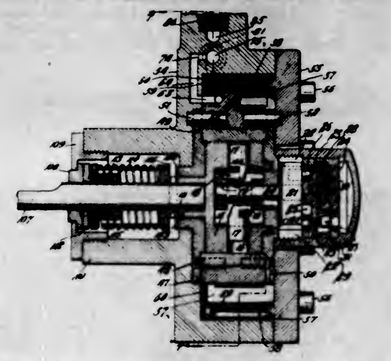
2,462,725
PUMP
Ernest A. Cuny, New York, N. Y., assignor to Cuny Engineering Inc., a corporation of New Hamp-

members, a transverse member having its ends receivable in supported positions within said socket portions, and against longitudinal movement relative to said frame members, a hitch

acter under the conditions of heat and wear in the use of the pan in a baking oven and serving to gradually expose the tinned surface for burning out of said surface.

with light of 3000 to 6000 Angstrom units as it moves along said reaction zone; and simultaneously admitting into the reaction zone said gaseous mixture of sulfur dioxide and chlorine in

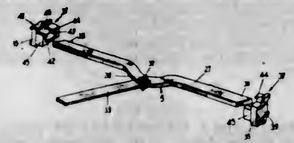
2,462,725
PUMP
Ernest A. Cuny, New York, N. Y., assignor to Cuny Engineering Inc., a corporation of New Hampshire
Application December 18, 1945, Serial No. 635,645
12 Claims. (Cl. 103—161)



1. A pump comprising a pump cylinder, a rotor having a close running fit in said cylinder and external means for effecting rotation of the same, said rotor having a radial piston cylinder open at the outer end to said pump cylinder, a piston operable in said piston cylinder, a crank pin eccentrically related to said rotor and connected with said piston for effecting reciprocation of said piston in the rotation of said rotor, said pump cylinder having low and high pressure grooves extending arcuately around opposite sides of the same between the points of maximum and minimum displacement positions of the piston and said pump cylinder having an inlet passage opening into the low pressure groove and a discharge passage extending from the high pressure groove, and balancing grooves at the sides of and of substantially the same longitudinal extent as the pressure grooves, said balancing grooves being connected one at the low pressure side across to the high pressure groove and one at the high pressure side across to the low pressure groove, said balancing grooves being connected and arranged in pairs disposed with the grooves of each pair along opposite sides of said pressure grooves, the wall of said pump cylinder being provided by a liner, said balancing grooves being formed in the inner face of said liner and said cross connections being provided by holes through and grooves in the outer face of said liner.

2,462,726
TRACTOR HITCH BRACKET
Dugald Currie, Des Moines, Iowa, assignor to Donald Currie, Odebolt, Iowa
Application July 3, 1946, Serial No. 681,319
4 Claims. (Cl. 280—33.44)

1. A hitch attachment for a tractor having an axle housing, a frame structure supported on the tractor including a pair of transversely spaced rearwardly extended frame members connected at their forward ends with said axle housing, and a drawbar connected between the rear ends of said frame members, said attachment comprising a pair of oppositely arranged brackets mounted on said frame members, socket portions on said brackets located inwardly of said frame members, a transverse member having its ends receivable in supported positions within said socket portions, and against longitudinal movement relative to said frame members, a hitch

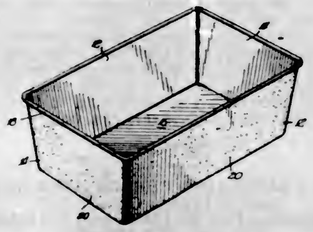


bar pivoted at its forward end on said transverse member for pivotal movement between said frame members, and means movably supporting said hitch bar adjacent its rear end on said drawbar.

2,462,727
NECK SCARF
Patricia G. Danek, Minneapolis, Minn.
Application February 9, 1948, Serial No. 7,187
5 Claims. (Cl. 2—91)

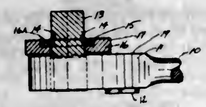
5. In a neck scarf, a body member, terminal tabs, ribbing on each side of the scarf connecting each tab to the body member, said ribbing being materially narrower than the body member and the tabs and holding the connected portions thereof contracted, forming between each end portion of the body member and the respective tab a pair of deep opposing scallops, and a passageway between the ribbings on the sides of the scarf at each tab through which the tab at the other end of the scarf may be tucked.

2,462,728
TIN COATED BAKING PAN WITH PAINTED EXTERIOR SURFACES
Jerome H. Debs, Chicago, Ill., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 20, 1947, Serial No. 756,016
2 Claims. (Cl. 126—390)



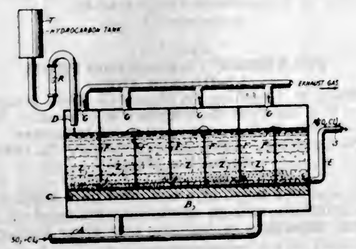
1. In combination with a sheet metal, tin coated baking pan having side walls and a bottom portion, a coating of heat absorbing paint on the exterior surfaces of said walls and bottom portion, said paint being non-permanent in character under the conditions of heat and wear in the use of the pan in a baking oven and serving to gradually expose the tinned surface for burning out of said surface.

2,462,729
MANIPULATING MEMBER FOR SOCKET WRENCH
Earl L. Deck, Youngstown, Ohio
Application January 11, 1946, Serial No. 640,500
1 Claim. (Cl. 81—60)



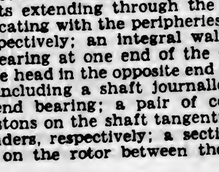
An attachment for a socket wrench having a head and a non-circular socket engaging member rotatable therein and comprising a manipulating disc having a recess formed in one face of said disc and a through opening in said disc communicating with said recess, said opening being of a non-circular shape for registry with said socket engaging member so as to provide a driving connection between said disc and said member, means for holding the said manipulating disc in position on the said socket engaging member and in the said recess, said means comprising a split clamp ring positioned to engage the face of the disc opposite to the face thereof which is adjacent the head of the wrench and to frictionally engage the said socket engaging member, the said manipulating disc being of a diameter larger than the greatest width of the wrench to which it is applied.

2,462,730
PREPARATION OF POLYSULFONYL CHLORIDES
Stanley Rawlings Detrick, New Castle County, William Howard Lockwood, Wilmington, and Nelson Whitman, New Castle County, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application August 23, 1944, Serial No. 550,832
1 Claim. (Cl. 204—163)



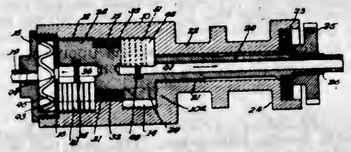
A continuous process for treating a saturated aliphatic hydrocarbon in liquid state with a gaseous mixture of sulfur dioxide and chlorine to produce a product having at least two sulfonyl groups per molecule, which comprises feeding said liquid hydrocarbon continuously into an elongated reaction zone which is subdivided into a series of communicating subzones following each other in an essentially horizontal line, whereby the liquid reaction mass is caused to move progressively from one subzone to the next until it traverses the entire reaction zone; irradiating said reaction mass with light of 3000 to 6000 Angstrom units as it moves along said reaction zone; and simultaneously admitting into the reaction zone said gaseous mixture of sulfur dioxide and chlorine in the form of a plurality of diffused streams moving in an essentially vertical direction, whereby each subzone is supplied directly with a portion of said gaseous streams, and whereby any turbulence caused by the motion of said gaseous stream through said liquid stream in any particular subzone will be confined to said subzone, so as to avoid intermingling between the incoming fresh hydrocarbon and outgoing polysulfonylated compound.

2,462,731
DIVERSION BLIND FITTING
George A. Duggan, Long Beach, Calif.
Application October 24, 1946, Serial No. 705,341
1 Claim. (Cl. 285—205)



A diversion blind fitting for a pipe line, having flanged joints, said fitting comprising a body, said body having bolt holes extending laterally therethrough, said bolt holes matching holes in the flanged joints of the pipe line, whereby the body is mounted in the pipe line, a pipe extension extending from the body, and integrally formed therewith, means on the pipe extension to which a pipe is attached, said pipe extension and body having a duct extending therethrough, said duct extending through one side of the body only, and a solid wall on the other side of the body whereby the entire flow through the pipe line is directed through said duct.

2,462,732
SLIDABLE VANE PUMP
Julius Dusevoir, Dearborn, Mich., assignor to Consolidated Vultee Aircraft Corp., San Diego, Calif.
Application October 12, 1945, Serial No. 621,869
8 Claims. (Cl. 103—136)



1. A rotary pump comprising: a casing provided with a pair of co-axial cylinders, an integral eccentric bearing between the cylinders, inlet ducts extending through the walls of and communicating with the peripheries of the cylinders, respectively; an integral wall and an eccentric bearing at one end of the casing, and a removable head in the opposite end of the casing; a rotor including a shaft journalled in the eccentric end bearing; a pair of co-axial cylindrical pistons on the shaft tangentially engaging the cylinders, respectively; a sectional bearing-member on the rotor between the pistons and

fitting in the eccentric bearing between the cylinders; said pistons, bearing-member and the shaft being insertable through the end of the cylinder

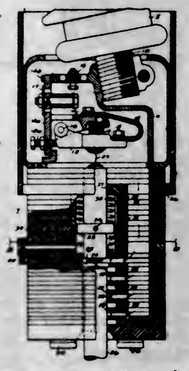
of concentric passages, a plurality of concentric conduits arranged between said end sections with each conduit in communication with a passage in

introducing into a pressure-resistant vessel a reaction mixture comprising a saturated aliphatic monohydric alcohol containing not more than three carbon atoms per molecule, carbon monox-

with said inlet nipple, a petcock on the bottom nipple, and a fluid outlet nipple extending through the lower side wall of said outer container.

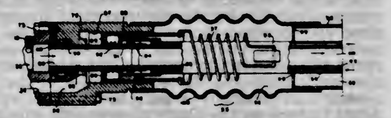
fitting in the eccentric bearing between the cylinders; said pistons, bearing-member and the shaft being insertable through the end of the cylinder provided with the removable head; the pistons being provided with separate central longitudinal discharge ducts therein extending to the opposite ends of the rotor, respectively, and radial channels communicating with the central ducts, respectively; and vanes slidably mounted in the channels, engaging the cylinders and provided with ducts therein for discharging fluid under pressure from the cylinders to said central ducts, respectively, the head being provided with an outlet for the discharge of fluid from the central duct in the adjacent piston.

2,462,733
CIRCUIT INTERRUPTER
Gilbert J. Easley, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1946, Serial No. 706,733
10 Claims. (Cl. 200—150)



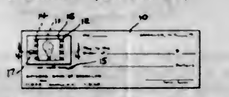
1. In a circuit interrupter, a relatively stationary contact, an intermediate contact cooperable with the relatively stationary contact to establish an arc, a movable contact separable from the intermediate contact to establish a second serially related arc, a piston secured to and movable with the intermediate contact, an operating cylinder within which the piston moves, by-passing means associated with the operating cylinder to equalize the pressure on both sides of the piston only during the initial portion of the opening travel of the piston, and means preventing the arcing pressure from acting upon the piston to accelerate its opening movement.

2,462,734
FLUID TRANSMITTING DEVICE
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 26, 1945, Serial No. 579,878
19 Claims. (Cl. 285—22)



1. A fluid transmission device comprising two end sections each of which contains a plurality of concentric passages, a plurality of concentric conduits arranged between said end sections with each conduit in communication with a passage in each end section, and a plurality of means for providing substantially fluid tight joints between each of said end sections and the adjacent ends of said conduits, each of said means including a hollow ball and socket joint, to provide a seal between an end of a conduit and the passage with which that conduit communicates.

2,462,735
PHOTO IDENTIFICATION FOR CHECKS
Bernard L. Goldwater, Brooklyn, N. Y.
Application January 15, 1945, Serial No. 572,879
1 Claim. (Cl. 283—7)



A check having an identification photograph printed thereon, and a maximum amount indicator arranged around said photograph, and comprising a plurality of numbers which are bounded by a perforated area making it easy for one of the numbers to be partially or completely removed, and a transparent sticker secured over said photograph and over said maximum amount indicator.

2,462,736
PREPARATION OF N,N' DIMETHYL-ETHANOLAMINE
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 9, 1944, Serial No. 548,803
3 Claims. (Cl. 260—584)

1. A process for the preparation of an N-N'dimethylethanolamine which comprises subjecting formaldehyde cyanhydrin to hydrogenation in the presence of formaldehyde and 4 to 20 parts by weight of methanol per part of formaldehyde cyanhydrin at a temperature between 15° and 150° C., a pressure between 200 and 700 atmospheres and in the presence of at least 25% by weight of a hydrogenation catalyst.

2,462,737
POLYMERIC COMPOUNDS FROM 1,3-DIOXOLANE
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1945, Serial No. 579,146
10 Claims. (Cl. 260—338)

8. A liquid polymeric condensation product of 1,3-dioxolane and an aromatic compound of the group consisting of benzene and alkyl benzenes.

2,462,738
SYNTHESIS OF ORGANIC OXYGEN-CONTAINING COMPOUNDS
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 17, 1946, Serial No. 670,524
6 Claims. (Cl. 260—488)

1. A process for the synthesis of organic oxygen-containing compounds which comprises

introducing into a pressure-resistant vessel a reaction mixture comprising a saturated aliphatic monohydric alcohol containing not more than three carbon atoms per molecule, carbon monoxide and a diffused cobalt acetate catalyst, heating the said reaction mixture at a temperature of 100° to 325° C. under superatmospheric pressure, and thereafter separating from the resulting reaction product the organic oxygen-containing compounds produced by the said reaction.

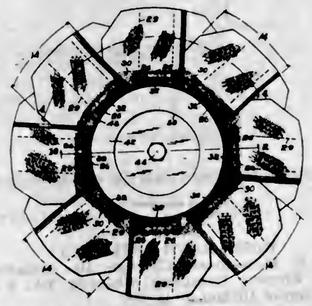
2,462,739
RECOVERY OF HYDROGEN FLUORIDE-BORON TRIFLUORIDE CATALYSTS
William F. Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 13, 1946, Serial No. 709,423
15 Claims. (Cl. 252—411)

1. A process for removing hydrogen fluoride-boron trifluoride catalysts from combinations thereof with aromatic aldehydes which comprises admixing a metal fluoride of the class consisting of alkali metal and alkaline earth metal fluorides with a composition comprising an aromatic aldehyde and a hydrogen fluoride-boron trifluoride catalyst combined therewith whereby both the hydrogen fluoride and the boron trifluoride become combined with the said metal fluoride and a precipitate containing combined hydrogen fluoride and boron trifluoride and metal fluoride is obtained and thereafter separating the said aromatic aldehyde from the resulting combination of hydrogen fluoride, boron trifluoride and metal fluoride and recovering hydrogen fluoride and boron trifluoride therefrom by pyrolysis at a temperature in the range of 200° to 800° C.

2,462,740
GASOLINE FILTER
Asbjorn Hagen, Kississing, Manitoba, Canada
Application December 12, 1945, Serial No. 634,471
2 Claims. (Cl. 210—187)

1. A filter comprising similarly shaped outer and inner containers having substantially parallel walls and formed with separate vertically spaced removable centrally apertured covers, said inner container having spaced circumferentially disposed side openings through its side wall, fine mesh wire screen supported interiorly of said inner container overlying said side openings, an inverted cone-shaped perforated filter in said inner container supported by a tube extending through both of said covers, a filter mass in said inner container disposed above said inverted cone-shaped perforated filter between the same and said fine mesh wire screen, a fluid inlet nipple connection supported centrally of said outer cover in axial alignment with said tube, a bottom nipple extending between and through the bottom portions of said containers in axial alignment with said inlet nipple, a petcock on the bottom nipple, and a fluid outlet nipple extending through the lower side wall of said outer container.

2,462,741
ROTARY ABRADING TOOL
Elisha W. Hall, Scituate, Mass.
Application March 6, 1946, Serial No. 652,263
7 Claims. (Cl. 51—193)



1. In a rotary abrading tool, the combination of a hub having two sets of lugs, the lugs of one set alternating with the lugs of the other set, and the lugs of one set having free ends extending in a direction opposite to those of the other set, and a circumferential mass of abrading material having alternate openings receiving alternate lugs.

2,462,742
ARYL TRICHLOROTHIO ACETATES IN ELASTOMER TREATMENT
Alban Thomas Hallowell, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 13, 1947, Serial No. 734,549
6 Claims. (Cl. 260—86.5)

6. In the preparation of elastomers, the improvement wherein a monomer composition predominating in a conjugated diene of the class consisting of butadiene, isoprene, 2-chlorobutadiene-1,3, and 2-fluorobutadiene-1,3 is emulsion polymerized in the presence of from 0.1 to 3% based on the weight of the polymerizable monomers, of an aryl trichlorothiolacetate.

2,462,743
DOOR-CUPBOARD AND TRAY
Oscar C. Handel, Kansas City, Kans.
Application June 12, 1946, Serial No. 676,211
3 Claims. (Cl. 312—186)

1. A refrigerator door having a built-in cupboard and an opening in the exterior face of the vertical front wall of the door to gain access to said cupboard, a panel shaped closure for the opening hinged along an edge of the opening, a recess on the inner surface of the front wall of the door below said opening, a rearwardly extending tongue on said closure adapted to fit into said recess when the closure is in closed position, detachable means for fastening the closure in closed position and a dispensing tray rotatably mounted on the closure, and detachable retaining means mounted for coaction on

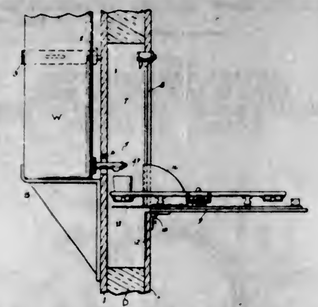
the tray and closure, and a pair of stop brackets mounted on the closure for coaction with the

piston, means located within said machine for permanently connecting together said starting

a load handling instrumentality suspended to be responsive to gravity and secured to said winding drum to be wound thereon, a driving member of an eddy current clutch mounted for rotation and connected to the output shaft of said prime

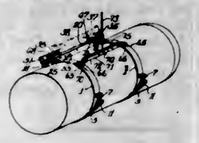
juxtaposition to the picture on the side of the picture toward the light, the convexity of the condenser lens means being such that it directs the light in a converging path from the entire area of the picture to an apex substantially at

the tray and closure, and a pair of stop brackets mounted on the closure for coaction with the



front wall of the door when the closure is in open position.

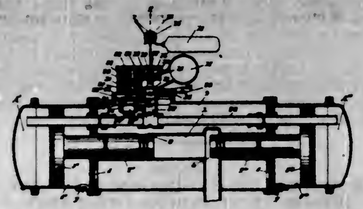
2,462,744
BOMB BAND ASSEMBLY
Walter C. Hasselhorn, Chicago, Ill., assignor to Cook Electric Company, Chicago, Ill., a corporation of Illinois
Application August 5, 1943, Serial No. 497,427
25 Claims. (Cl. 89—1.5)



2. Mounting apparatus for suspending an aerial missile or the like in a position for automatic release upon a target without any of the parts effecting its suspension remaining on or about its periphery while descending upon the target comprising embracing means adapted to extend circumferentially about the missile, a substantially rigid structural element to which said embracing means is releasably connected, and trigger mechanism for holding said embracing means connected to said structural element, said trigger mechanism including a member responsive to the weight of the missile to prevent release of said parts from each other while mounted in suspended relation but which will release the same when relieved of said weight.

2,462,745
FREE PISTON MACHINE PROVIDED WITH PNEUMATIC STARTING MEANS
Helge Bodvar Horgen, Lyon, France, assignor, by direct and mesne assignments, of nine-tenths to Raul Pateras Pescara, Lisbon, Portugal, and one-tenth to Societe d'Etudes et de Participations, Eau, Gaz, Electricite, Energie S. A., Geneva, Switzerland, a society of Switzerland
Application April 11, 1945, Serial No. 587,697
In France May 30, 1944
12 Claims. (Cl. 60—14)

10. A machine which comprises, in combination, a motor cylinder, two motor pistons freely movable in said cylinder in synchronism with each other, means associated with each of said pistons for the pneumatic starting of said machine, each of said means forming a starting space adapted to coact with the corresponding piston, means located within said machine for permanently connecting together said starting



spaces, and a single starting device for feeding gas under pressure to said last mentioned means.

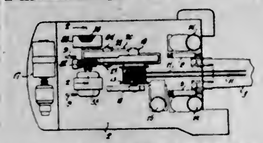
2,462,746
ELECTRIC FLUID HEATER
Hollis Chubbuck Inman, Miami, Fla.
Application May 12, 1947, Serial No. 747,431
5 Claims. (Cl. 219—39)

1. A fluid heater, comprising: a tubular duct providing a passage for a central fluid stream; a casing providing an elongated closed chamber surrounding said tubular duct; electrical heating means in said chamber; and a jacket surrounding said tubular duct and enclosing said casing, said jacket being of greater length and greater transverse dimension than said casing and providing an annular fluid space about the periphery and ends of said casing for an annular fluid stream, said tubular duct having identical openings establishing communication between the interior thereof and the spaces in said fluid jacket at the respective ends of said casing, whereby the divergence of fluid from the central fluid stream into the annular fluid stream and the convergence of fluid from the annular fluid stream into the central fluid stream are the same at both ends of the heater.

2,462,747
WINCH CONTROL
Henry S. Jacobs, Milwaukee, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application March 28, 1945, Serial No. 585,253
9 Claims. (Cl. 254—187)

6. In a winch the combination comprising a prime mover adapted for continuous running and having a rotatable power output shaft, a winding drum mounted for winding and unwinding movement, a hoisting line controllably connected with

a load handling instrumentality suspended to be responsive to gravity and secured to said winding drum to be wound thereon, a driving member of an eddy current clutch mounted for rotation and connected to the output shaft of said prime mover to be driven thereby, a driven member for said eddy current clutch mounted for rotation in torque receiving relationship to said driving member, an eddy current clutch exciting winding asociated with said driving and driven members, said driving and driven members and said exciting winding being adapted to cooperate to transmit a maximum predetermined torque when



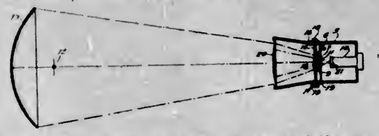
the slip between said driving and driven members is approximately equal to the running speed of said driving member, a take-off pinion and shaft therefor secured to said eddy current clutch driven member to rotate therewith, and loading means for said take-off pinion shaft and eddy current clutch driven member adapted to render the combined moment of inertia thereof in pounds feet squared numerically equal to from $1/8$ to $1/14$ said maximum predetermined torque of said eddy current clutch in pounds feet, and a power transmission having a substantial driving ratio of reduction forming a gearing connection between said pinion and said winding drum.

2,462,748
PIPE PLUG
John Johnson, Grand Forks, N. Dak.
Application April 25, 1945, Serial No. 590,149
1 Claim. (Cl. 138—89)

A pipe plug comprising a rigid sleeve adapted for insertion in one end of a pipe, a packing member on the pipe receiving the sleeve, an expansible rubber sleeve secured at one end to the inner end of the rigid sleeve, a plug secured in the other end of the expansible sleeve, said plug having a threaded bore, a rod slidably inserted in the rigid sleeve and having threaded ends, one end of the rod being threaded in the plug, and means attached to the other end of the rod and adapted to manipulate the same for expanding said rubber sleeve, said sleeve being hollow and spaced by said plug and the inner end of said rigid sleeve from said rod so that said sleeve is easily deformable under compression to expand the same.

2,462,749
LIGHT CONDENSER FOR PICTURE PROJECTION UNITS
George Theodore Johnson, Chicago, Ill.
Application June 27, 1945, Serial No. 601,811
4 Claims. (Cl. 88—24)

1. A projector comprising in combination, a picture support, a projection lens spaced therefrom, a light source, and means for directing the light from said source through the picture to the posterior element of the projection lens, said means comprising condenser lens means in close juxtaposition to the picture on the side of the picture toward the light, the convexity of the condenser lens means being such that it directs the light in a converging path from the entire area of the picture to an apex substantially at



the surface of the posterior element of the projection lens, and a mask restricting the exposed portion of the posterior end of the projection lens to dimensions less than three fourths the dimensions of the picture.

2,462,750
ORNAMENTAL LAMPSTAND WITH BELL
Irving Klein, New York, N. Y.
Application May 23, 1947, Serial No. 749,975
8 Claims. (Cl. 177—7)

1. In a lamp having a base, a lamp shade mounted on said base, a lamp mounted on said base within said shade for illuminating the shade, a bell crank pivotally supported within said shade, a bell fixed to said crank to ring when the bell crank is turned, a rotative lever arm having its free end traversing the pivotal path of said bell crank to pivot the bell crank and ring said bell once for each revolution of said lever arm, and means for rotating said lever arm.

2,462,751
SPEED CONTROL FOR INDUCTION MOTORS
Glenn Koehler, Madison, Wis.
Application January 18, 1946, Serial No. 642,078
7 Claims. (Cl. 318—229)

1. In an apparatus adapted for association with an alternating current motor to control the speed thereof the combination comprising a direct current pilot generator adapted to be connected to the shaft of an alternating current motor to be mechanically driven thereby and having an output which increases as a function of its speed of rotation with a polarity determined by the direction of said rotation, amplifying circuit means connected to the output of said pilot generator and controlled thereby and adapted to supply current in substantial amount in inverse proportion to said pilot generator output when said motor and generator are running in forward direction and in direct proportion to said pilot generator output when running in reverse direc-

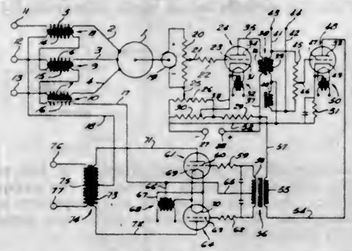
tion, and saturation reactor means having impedance windings adapted to be interposed in the entrance mains of a motor to be controlled and having saturation windings operative when

said switch means, normally extended toggle link mechanism operatively connecting said manually operable means and said switch means, means for normally holding said toggle link mechanism extended and against collapse, spring means tend-

2,462,755
CONTROLLER FOR ELECTRIC MOTOR-DRIVEN TRAVELING DEVICES
Elvind U. Lassen, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a

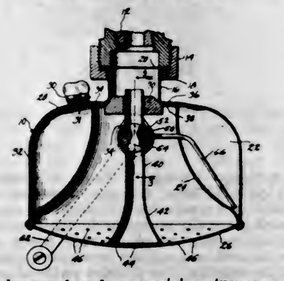
inating in flanges extending inwardly into said shield, said body having ports for the passage of said electric cords and a hole adapted to align with the screw hole of the plate of the wall socket box, said flanges being adapted to be caught under said plate.

tion, and saturation reactor means having impedance windings adapted to be interposed in the entrance mains of a motor to be controlled and having saturation windings operative when



excited to diminish the effective impedance of said impedance windings connected to said amplifying circuit means to be excited by the current supplied thereby.

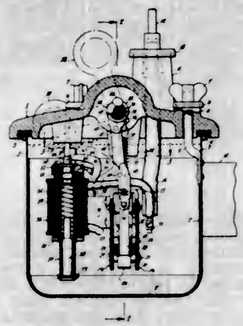
2,462,752
SHOWER HEAD
Frank A. Kotches, Princeton, N. J., and William D. Tipton, Stoneleigh, Md.; said Kotches assignor to William D. Tipton, as trustee, Elizabeth Barrett Tipton executrix of said William D. Tipton, deceased
Application January 10, 1945, Serial No. 572,184
3 Claims. (Cl. 299—84)



1. A shower head comprising inner and outer casing portions disposed in spaced concentric assembled relation to thereby provide a water compartment and a soap compartment, means for filling the soap compartment, means for attaching the assembly to a water pipe, a water discharge tube disposed within the water compartment and communicating with the water pipe, means providing communication between the soap compartment and the discharge tube including venturi means for inducing flow of soap, and valve means operable to cause water from the water pipe to flow through said discharge tube or through said water compartment.

2,462,753
CIRCUIT BREAKER
William D. Kyle, Jr., Milwaukee, and Anthony Van Ryan, South Milwaukee, Wis., assignors to Line Material Company, a corporation of Delaware
Application September 18, 1943, Serial No. 502,856
1 Claim. (Cl. 200—89)

A circuit breaker comprising switch means, manually operable means for opening and closing said switch means, normally extended toggle link mechanism operatively connecting said manually operable means and said switch means, means for normally holding said toggle link mechanism extended and against collapse, spring means tending to collapse said toggle link mechanism, an energizing winding in the form of a solenoid, a fluid retarded plunger adapted to be drawn in-

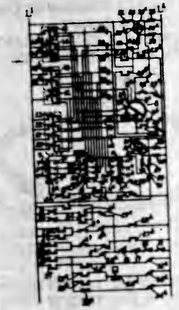


wardly of said winding, a magnetic member movable axially of said winding when the magnetic flux passing through said winding directly to said member exceeds a predetermined value, a partition located within said tube between said plunger and said magnetic member and dividing said tube into separate compartments, and means operated by said magnetic member for initiating the collapse of said toggle link mechanism.

2,462,754
GOLF CLUB
Herbert C. Lagerblade and Donald J. Root, Bristol, Conn., assignors to The Horton Manufacturing Company, Bristol, Conn., a corporation of Connecticut
Application June 14, 1946, Serial No. 676,861
4 Claims. (Cl. 273—80)

3. In a golf club, a metallic hosel having therein a tapering axial bore of generally circular cross section throughout and a tapering hollow metallic shaft of generally circular cross section throughout fitted into said bore, said hosel and shaft having a portion intermediate the ends of the hosel which is of generally oval cross section such that the smallest diameter is less than the diameter of the portions of generally circular cross section immediately above and below said portion and in which the largest diameter is greater than the diameter of the portions of generally circular cross section immediately above and below said portion.

2,462,755
CONTROLLER FOR ELECTRIC MOTOR-DRIVEN TRAVELING DEVICES
Elvind U. Lassen, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Substituted for application Serial No. 498,537, August 13, 1943. This application August 12, 1944, Serial No. 549,258
20 Claims. (Cl. 187—29)

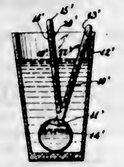


1. In control for an electric motor driven traveling device, the combination with means to effect travel of the device through a plurality of zones, said means including a plurality of push button switches, at least one for each zone of travel served by the device and operable to start said device and direct it to the corresponding zone, of separate condenser type energy storing means conneced in circuit with said push button switches for charging of the former from an energy source upon operation of said switches, electroresponsive means requiring energization for stopping said traveling device and responsive to discharge of any of said energy storing means, and means responsive to the movement of said traveling device to afford discharge of said separate energy storing means which have been charged, in a predetermined order irrespective of the order of actuation of said push button switches, regardless of any temporary failure of the source of charging current, the first mentioned means including means which after each stop of said device as a function of discharge of said energy storing means affords under given conditions automatic restarting.

2,462,756
SHIELD FOR ELECTRIC WALL SOCKETS
John N. Leopold, Staten Island, N. Y.
Application December 20, 1945, Serial No. 636,230
3 Claims. (Cl. 173—330)

1. A shield for protecting electric cord plugs inserted in the sockets of a wall socket box comprising a semi-cylindrical body having end closing walls, each of said end walls being divided into two parts by an openable seam, the edges of said body perpendicular to said end walls terminating in flanges extending inwardly into said shield, said body having ports for the passage of said electric cords and a hole adapted to align with the screw hole of the plate of the wall socket box, said flanges being adapted to be caught under said plate.

2,462,757
COMBINED MIXER AND COOLER FOR DRINKS
Julius Loycs, South Amboy, N. J.
Application May 10, 1946, Serial No. 668,955
3 Claims. (Cl. 62—1)



1. As a new article of manufacture, a combined mixer and cooler for drinks comprising a hollow and thin wall structure involving a bowl and a narrow stem emanating therefrom, said bowl being of a size permitting ready insertion into a conventional drinking glass and a freezable liquid therein which is water and colored, and said stem being sealed, there being another stem emanating at a slight angle from the same point of said bowl, which in its upper part houses a thermometer.

2,462,758
SYNTHETIC DETERGENT COMPOSITIONS
John David Malkemus, Allendale, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application August 10, 1945, Serial No. 610,200
5 Claims. (Cl. 252—161)

1. A solid detergent composition in the form of dried particles consisting essentially of synthetic organic non-soap water-soluble detergent from the class consisting of sulphates and sulphonates and an amount of organic builder sufficient markedly to improve the foaming properties in aqueous solutions but not over 50% by weight of said synthetic detergent, said builder being selected from the group consisting of the lower monohydric alcohol and glycol esters of higher aliphatic fatty acids.

2,462,759
APPARATUS FOR RECEIVING FREQUENCY-MODULATED WAVES
Claudius T. McCoy, Narberth, Pa., assignor to Philco Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Continuation of application Serial No. 446,954, June 13, 1942. This application March 31, 1944, Serial No. 528,908
17 Claims. (Cl. 250—20)

14. In a frequency modulation receiver, a source of frequency-modulated signal oscillations, an oscillator of controllable frequency for generating a signal whose fundamental frequency is one-nth the mean frequency of said signal oscillations, where n is a small integer other than one, and means operatively associated with said os-

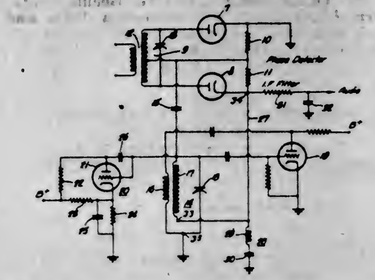
cillator for varying its fundamental frequency and for loosely synchronizing the nth harmonic

a stator ring in contact with the other end of said magnet, a plurality of teeth formed on the inner circumference of said ring, a rotor mounted to rotate within said ring, and a plurality of teeth

from the other of said pairs of points said two pair of radio frequency signals; and means for

2,462,766
TENSION CONTROL APPARATUS
John W. Olson and Charles W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company, a corporation of Delaware

cillator for varying its fundamental frequency and for loosely synchronising the nth harmonic

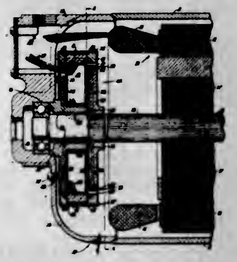


of said oscillator signal with the frequency-modulated signal from said source.

2,462,760
PROTECTIVE COATINGS FOR FRESH FROZEN MEATS
Harold S. Mitchell, Chicago, Lorens E. Kay, Worth, and Andrew S. Hartanov and John M. Ramsbottom, Chicago, Ill., assignors to Swift & Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application November 8, 1944, Serial No. 562,566
8 Claims. (Cl. 99—169)

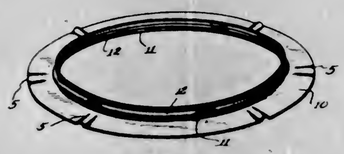
1. A coating composition for meat comprising a base medium, a gelatin phase distributed throughout the medium, and a flour made from a vegetable seed, the flour serving as an anti-sticking agent and being present in sufficient amount to prevent the formation of a tacky mass of carbonized gelatin during cooking of the meat.

2,462,761
INDUCTOR ALTERNATOR
James W. Momberg, Somerville, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 12, 1946, Serial No. 646,972
11 Claims. (Cl. 171—252)



3. In combination, a driving motor comprising a stator, a rotor and a housing; and an inductor alternator installed within the housing of said driving motor, the inductor alternator comprising a disc frame having a concentrically apertured hub, an armature coil concentrically supported on said hub, a cylindrically shaped permanent magnet surrounding said coil and having one end in contact with one face of said frame, a stator ring in contact with the other end of said magnet, a plurality of teeth formed on the inner circumference of said ring, a rotor mounted to rotate within said ring, and a plurality of teeth formed on the outer circumference of said rotor.

2,462,762
GASKET CENTERING MEANS
William T. Nardin, Moorestown, N. J., assignor to United States Gasket Company, Camden, N. J., a corporation of New Jersey
Application October 19, 1944, Serial No. 559,455
5 Claims. (Cl. 288—27)



1. A centering ring for receiving and retaining gaskets comprising a flat ring portion and a collar portion extending vertically from only one face of said flat ring portion at the inner periphery thereof, said collar portion having a channel parallel to said periphery and being dimensioned and contoured to receive and retain a gasket at its inner face.

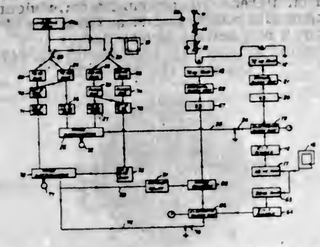
2,462,763
PROTECTIVELY COATED FERROUS METAL SURFACES AND METHOD OF PRODUCING SAME
Victor Charles John Nightingall, deceased, late of Heidelberg, Victoria, Australia, by Ruth Valencia Nightingall, Aubrey Mitchell Old, Charles Montefiore Gladstone Nightingall, James B. Aitken, and Maxwell G. McKenzie, executors, Melbourne, Victoria, Australia, assignors to Di-Met Proprietary Limited, West Melbourne, Victoria, Australia, a corporation of Victoria, Australia
No Drawing. Application November 20, 1948, Serial No. 61,312. In Australia March 20, 1937.
6 Claims. (Cl. 117—127)

1. The method of producing a hard protective coating on a ferrous metal surface which comprises applying to the surface a coating of a composition comprising finely divided metallic zinc incorporated in an aqueous solution of an alkali silicate, the aqueous solution containing about 20% to 40% by weight of the alkali silicate, the zinc being present in amount of about 100% to 350% by weight of said solution, and converting the coating to a substantially insoluble condition by reacting carbon dioxide therewith.

2,462,764
NAVIGATION SYSTEM
William J. O'Brien, London, England, assignor to The Decca Record Company, Limited, London, England, a corporation of Great Britain
Application June 3, 1946, Serial No. 673,952
7 Claims. (Cl. 343—105)

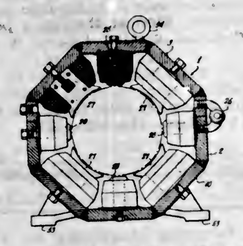
1. In a radio frequency navigational system, the combination of: means for radiating from two pair of spaced points two pair of radio frequency signals of four different frequencies; means for periodically arresting radiation from one of said pairs of points; means for radiating

from the other of said pairs of points said two pair of radio frequency signals; and means for



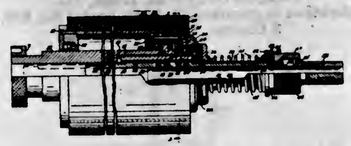
maintaining among all of said signals a fixed multiple phase relation.

2,462,765
WELDED MOTOR FRAME
William J. Oesterlein, Wauwatosa, Wis., assignor to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application December 13, 1944, Serial No. 567,984
3 Claims. (Cl. 172—36)



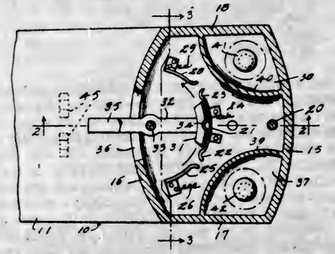
3. In a motor having a welded frame adapted to be hingedly opened a yoke comprising a polygonal central field ring of steel plate, pole pieces extending inwardly from said field ring, yoke extensions of thinner steel plate secured to each side of said field ring by welding, and an end rim at the outer end of each yoke extension secured thereto by welding extending inwardly and terminating at a circular end rim seat having an accurately formed bore and accurately formed oppositely facing transverse abutting surfaces, said yoke being horizontally divided into upper and lower portions at a plane disposed close to and parallel with the axis of said motor; a hinge at one side of said yoke; releasable fastening means on the opposite side of said yoke; a circular bearing housing having a centrally disposed bearing for each end of said motor, said bearing housings having accurately formed circular peripheral faces adapted to snugly engage the bores of said end rim seats and accurately formed oppositely facing transverse abutting surfaces adapted to snugly engage the transverse abutting surface of said end rim seats whereby said upper and lower yoke portions and said bearing housings are positively held longitudinally and transversely with respect to one another by the closing of said motor frame; and brush mountings secured to one of said bearing housings; means adapted to hold said bearing housing against rotation in a predetermined angular position of brush adjustment; and a rotating assembly including a shaft mounted for rotation in the bearings in said housings.

2,462,766
TENSION CONTROL APPARATUS
John W. Olson and Charles W. Beehle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
Application May 9, 1946, Serial No. 668,593
4 Claims. (Cl. 242—75)



1. Apparatus adapted to control the tension on material being unwound from a roll comprising a roll carrier rotatably mounted on a support, friction means arranged to provide frictional resistance to rotation of the roll carrier with respect to the support, and mechanical means interconnecting the roll carrier and the support arranged to control the amount of said frictional resistance in proportion to the extent the roll carrier rotates relative to the support in the direction corresponding to unwinding of material from the roll, said mechanical means comprising an epicyclic gear train having first and second main gears provided with different numbers of teeth with the first main gear mounted in fixed position on the roll carrier support and the second main gear mounted for rotation about the axis of said support, the main gears being interconnected by an idler gear assembly mounted on the roll carrier whereby rotation of the roll carrier effects rotation of the second main gear with respect to the fixed first main gear, and means arranged to vary said frictional resistance in response to rotation of the second main gear with respect to the fixed first main gear as the roll carrier rotates with respect to said support.

2,462,767
ACCELERATOR PEDAL AND SWITCH
John J. O'Reilly, Chicago, Ill.
Application June 17, 1946, Serial No. 677,154
3 Claims. (Cl. 200—59)



3. A switch structure for mounting on an accelerator pedal comprising a housing, a central arcuate fixed contact in said housing, offset end portions carried by said contact extending from the concave side of said contact, arcuate contacts spaced from the ends of said central contact, a bridging contact on the concave side of said central contact, a switch arm on said bridging contact and pivoted in said housing, said bridging contact adapted to be disposed between said offset end portions in circuit breaking position, and an offset intermediate portion on said bridging

contact selectively engageable with one of said offset ends of said central contact for holding said bridging contact in circuit closing position.

2,462,770
ELECTRIC CABLE
Walter T. Peirce, Worcester, Mass., assignor to The American Steel and Wire Company of New

said ignitable head, and an ignition tip continuing from the material of said splint defining said opening and on the side thereof diametrically opposite said head and extended across said opening toward said head, said tip being reduced in

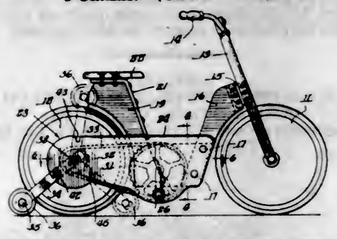
connecting member formed integrally with the panels midway between the ends of said panels, a vertically disposed angle iron at the end of each panel and having one flange embedded in said

contact selectively engageable with one of said offset ends of said central contact for holding said bridging contact in circuit closing position.

2,462,768
PROTECTOR PAD
Douglas Ortleb, St. Louis, Mo.
Application September 27, 1946, Serial No. 699,910
2 Claims. (Cl. 155—196)

1. A protector pad for use in an automobile window or the like, comprising a length of material folded to provide a pair of sections adapted to be positioned on the frame of said window between said frame and the driver's arm, a stiffening member between said sections and adjacent the fold thereof, and resilient retaining means rigidly secured to said stiffening member, said retaining means including a horizontal element adapted to rest upon the frame of said window and a vertical element provided with a bulge which is capable of compression to permit insertion of said vertical element between the frame and the glass of said window but prevents accidental withdrawal therefrom, and said retaining means being incapable of offering interference to the raising or lowering of the glass of said window.

2,462,769
STABILIZABLE BICYCLE
Hayes N. Pedersen, Racine, Wis.
Application February 6, 1946, Serial No. 645,799
4 Claims. (Cl. 280—303)

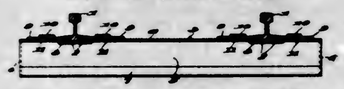


1. In a prior-art type of stabilizing-apparatus, associated with a juvenile-bicycle whose two wheels always engage the floor or ground when the bicycle is in operation, said apparatus having a bracket movably mounted on the bicycle straddling its rear-wheel and having a pair of supplemental transversely registered stabilizing ground-wheels rotatable on said bracket in spaced-apart relation crosswise said rear-wheel and adapted to be moved with the bracket into an operative stabilizing position on the ground or floor, the novel combination of means on said bracket and cooperating means on the body of the bicycle to locate said stabilizing-wheels in one operative position with their common axis ahead of the axis of the bicycle rear-wheel or to locate said stabilizing-wheels in another operative position with their common axis to the rear of the axis of the bicycle rear-wheel, and means to releasably lock said bracket and its wheels in either of said two positions, the stabilizing effect of such wheels being greater in said advanced position than in said rear position.

2,462,770
ELECTRIC CABLE
Walter T. Peirce, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application January 15, 1946, Serial No. 641,264
7 Claims. (Cl. 174—13)

1. A cable comprising a conductor, insulation about the conductor including a liquid, a fluid-tight sheath about the insulation, a tube containing gas disposed within said sheath, an outer tube surrounding and substantially parallel to the first tube and providing a space therebetween, said outer tube having an opening therein for admitting liquid thereto, and a manifold, said outer tube terminating in said manifold, said inner tube opening into said manifold whereby the liquid upon expansion will enter into said inner tube and compress the gas therein.

2,462,771
RAIL FASTENER
Calvin Philips, Seattle, Wash.
Application August 2, 1945, Serial No. 608,528
2 Claims. (Cl. 238—331)



2. A rail fastening comprising an all metal pressed cross tie for a railroad rail having a base, said cross tie having a body portion with a top side provided with a stamped recess with spaced shoulders in position to receive and abut the edges of the base of said rail, and a transverse strap forming a loop affixed to the top side of said tie adjacent said recess, said tie having an opening therein under said strap, a clip extending inwardly through said loop and bridging said opening in position for wedging relation with the base of said rail and adapted to secure the rail positively to the tie, a shoulder on said clip abutting a side of said opening under the strap, whereby said clip is positively locked against lateral movement away from the rail, said clip being a substantially flat plate member.

2,462,772
MATCH SPLINT
Maurice Polacsek, Brooklyn, N. Y.
Application March 21, 1946, Serial No. 656,057
1 Claim. (Cl. 44—44)

A match, comprising a splint of flat material having a reduced end portion, a friction ignitable head formed on said reduced end portion, said splint being formed with an opening adjacent said ignitable head, and an ignition tip continuing from the material of said splint defining said opening and on the side thereof diametrically opposite said head and extended across said opening toward said head, said tip being reduced in width as it proceeds toward said head and said opening being increased in width in a direction toward said head forming small openings on diametrically opposite sides of said ignition tip.

2,462,773
MATCH SPLINT
Maurice Polacsek, Brooklyn, N. Y.
Application March 23, 1946, Serial No. 656,701
4 Claims. (Cl. 44—42)

1. A match packet comprising a card slit to provide single splints, each having a head of ignition material formed on the upper end thereof and a V-shaped notch cut downwardly from the upper end of each splint, to define forked portions turned in opposite directions at their terminal ends to provide a pocket within the splint for the ignition material of the head and a holding means for said material whereby the thickness of the head is less than the thickness of a head of an equal amount of material applied to an unnotched splint and the material is held against disruption when the head is ignited.

2,462,774
NAIL HOLDER AND PUNCH
Neil J. Pollock, Chicago, Ill.
Application November 17, 1945, Serial No. 629,256
1 Claim. (Cl. 1—47)

A tool for driving nails, comprising an elongated shank member, an enlarged head formed integrally with said shank, said enlarged head having its upper forward portion cut away to provide a vertical rear wall and a horizontal forwardly-extending platform portion, said vertical rear wall being provided with a longitudinally-extending groove, and said head being also provided with a half-moon shaped recess extending transversely thereof and communicating with the rear portion of said groove, the rear portion of said head being connected to said platform portion by a semi-circular band of metal enclosing said transverse recess, said head having its lower portion tapering forwardly and inwardly and terminating in a flat end adapted to serve as a punch for nail.

2,462,775
SELF-ADJUSTING SEA WALL
Stanley M. Pontiere, Philadelphia, Pa., assignor of one-half to Emily Pontiere Grillo, Ocean City, N. J.
Application November 22, 1946, Serial No. 711,529
2 Claims. (Cl. 61—39)

1. A sea wall comprising a plurality of sectional units, each unit comprising a pair of spaced parallel panels formed of concrete, a concrete connecting member formed integrally with the panels midway between the ends of said panels, a vertically disposed angle iron at the end of each panel and having one flange embedded in said

end, the other flange being free and projecting inwardly from said panel, and means connecting the free flanges on the adjacent ends of pairs of panels.

2,462,776
COVER FOR OPEN TISSUE ROLL HOLDERS
Robert I. Price, Oakland, Calif.
Application April 13, 1945, Serial No. 588,169
5 Claims. (Cl. 242—55.5)

1. In combination, a wall mounted bracket, a transversely extending roller supported by arms pivotally depending from said bracket, a dispensing roll for toilet paper journaled on said roller, a cylindrical shield supported entirely by said roller and freely oscillatable thereon and entirely enclosing said roll, end walls for said shield having bearings on said roller, said shield comprising hinged semi-cylindrical complementary members, pivotal means for securing said members together, and an axial slot in one member disposed conterminous to the meeting edges of said members for dispensing paper therethrough from said roll.

2,462,777
ELECTRIC SWITCH
Anton Rappl, Eggertsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 19, 1945, Serial No. 617,338
4 Claims. (Cl. 200—6)

1. A two-way electric switch, comprising a housing, an operating shaft journaled in said housing and having spaced lugs within said housing, tension means yieldably maintaining said shaft in a neutral position, a terminal plate carried by said housing and provided with contact buttons, and a contact arm comprising a dielectric plate carried by the lugs and formed in each of its longitudinal opposite edges with a recess, and a contact-making plate disposed over

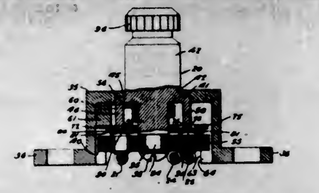
said dielectric plate and secured thereto by tabs formed on said contact-making plate and en-

rotated in either direction of rotation without a corresponding rotation movement of said one of said members, a power screw having a part connected to said other of said members operative

the magnitude of said voltage, and a plurality of indicators spaced along the tube, each indicator

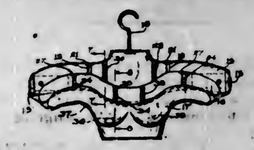
charging well communicating with the adjacent compartment, each of said wells being positioned at the end of the container opposite the end where the two compartments communicate as aforesaid and the communication between each

said dielectric plate and secured thereto by tabs formed on said contact-making plate and en-



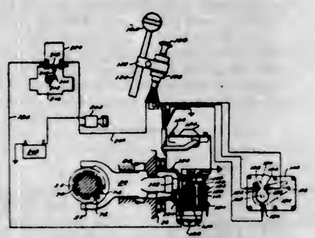
gageable with the recesses of said dielectric plate.

2,462,778
COLLAPSIBLE HANGER
Al Rosen, Brooklyn, N. Y.
Application September 13, 1947, Serial No. 773,560
7 Claims. (Cl. 223—94)



1. A collapsible garment hanger comprising a plurality of overlapping sections, one horizontally ahead of another and in face to face contact with each immediately adjacent section, means for suspending one of said sections, and cooperating means carried by each pair of adjoining sections for connecting said sections to prevent their separation while permitting each section to be lowered relative to an immediately adjoining section.

2,462,779
GEAR SHIFTING MECHANISM
Robert C. Russell, Cleveland Heights, Ohio, assignor to Eaton Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application April 19, 1945, Serial No. 589,201
20 Claims. (Cl. 74—365)



6. Mechanism for shifting a power transmitting element between two power transmitting positions comprising a pair of axially aligned relatively rotatable members, means coupling one of the members to the power transmitting element, torsion spring means operatively interconnecting said members operable to transmit a turning force from the other of said members to said one of said members when said other of said members is rotated in either direction of rotation without a corresponding rotation movement of said one of said members, a power screw having a part connected to said other of said members operative to rotate said other of said members to build up a turning force on said one of said members operative to shift the power transmitting element upon the cessation of the transmission of a material amount of power therethrough, and a motor connected to another part of the screw for effecting rotation thereof in either direction.

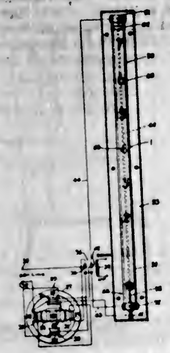
2,462,780
COMBINATION PILLOW ENVELOPE AND BED SHEET
Morris Schiller, Albany, N. Y., assignor of fifty per cent to Anna Verkitus, Albany, N. Y.
Application August 31, 1945, Serial No. 613,819
7 Claim. (Cl. 5—334)

In a combined sheet and permanently attached pillow case assemblage of the class described, in combination, a bed sheet of conventional form, and an empty pillow case open on one side, said pillow case characterized by a substantially rectangular patch of sheet material, three of the marginal edges of said patch being laterally turned inwardly toward each other and overlapped with the body portion of the patch and providing case defining flaps, the adjacent ends of the respective flaps being stitched together, the remaining marginal edge of said case being free of a flap, said remaining edge being stitched to the body portion of the sheet at a point spaced inwardly of the adjacent marginal edges of said sheet in order to hingedly connect the case to said sheet wholly within the confines of the sheet and with the open side of said case against the underlying sheet, whereby when the pillow is stuffed into said case, and is in use, it resides in direct contact with the underlying portion of the sheet.

2,462,781
ELEVATOR POSITION INDICATOR
Joseph R. Schoenbaum, Roseland, N. J., assignor to William Martin, Jr., doing business as Martin Elevator Company, New York, N. Y.
Application June 5, 1946, Serial No. 674,604
4 Claims. (Cl. 177—336)

1. In an elevator system, in combination, a car in an elevator shaft, a drive mechanism including a rotatable member for raising and lowering the car in said shaft, a rotary transformer having a rotor and a stator, said rotor being mechanically coupled to said rotatable member whereby the transformer output voltage is dependent upon the position of the car in the shaft, and an elevator position indicator comprising an elongated gas-filled glow tube, an electrode structure defining a discharge gap at each end of the tube, means for applying said output voltage across one of said discharge gaps to cause the gas within the adjacent portion of the tube to glow, the length of the glowing portion depending upon

the magnitude of said voltage, and a plurality of indicators spaced along the tube, each indicator



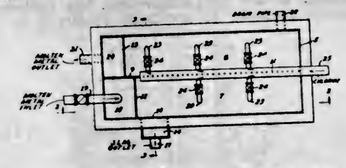
registering when the gas in the adjacent portion of the tube is luminescent.

2,462,782
PRODUCTION OF TOTAQUINE
Jacob B. Shohan, West Orange, N. J., assignor to American Home Products Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 6, 1945, Serial No. 597,969
7 Claims. (Cl. 260—284)

3. In a process for recovering purified cinchona alkaloids by acid extraction of vegetable material containing such alkaloids, the steps which comprise: adding to a mineral-acid solution of cinchona alkaloids containing also acid-extractable impurities an alkaline material in amount to reduce the acidity of the solution to about pH 7, thereby selectively precipitating a major portion of the dissolved impurities without substantial precipitation of the desired alkaloids, separating the resultant precipitate from the mother liquor, thereafter adding additional alkaline material to the mother liquor in amount sufficient to bring its alkalinity to at least pH 8, thereby precipitating desired alkaloids, reslurrying the precipitate with water to form a tractable slurry, adding mineral acid to the slurry in controlled amount to bring the acidity of the slurry to about pH 7, thereby selectively dissolving the desired alkaloids, separating undissolved impurities from the solution, and thereafter recovering alkaloids from the solution.

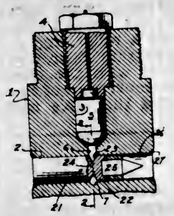
2,462,783
APPARATUS FOR REFINING ZINCIFEROUS LEAD
William Wallace Shropshire, Chicago, Ill., assignor to International Smelting and Refining Company, a corporation of Montana
Original application December 22, 1943, Serial No. 515,231. Divided and this application May 1, 1946, Serial No. 666,432
4 Claims. (Cl. 266—37)

1. An apparatus for treating molten metal comprising a container, a longitudinal partition dividing the container into two adjacent compartments and having approximate one end of the container two openings at different levels permitting communication between said two compartments, a molten metal charging well communicating with one of said compartments and a molten metal discharging well communicating with the adjacent compartment, each of said wells being positioned at the end of the container opposite the end where the two compartments communicate as aforesaid and the communication between each well and its compartment being beneath the upper of said two openings in the partition, an outlet for said molten metal discharging well at



approximately the level of the upper opening in said partition, and a slag-discharge well approximate said charging well and having an opening permitting communication between the slag discharge well and the compartment in communication with said charging well, the opening in the slag-discharge well being at a higher level than said outlet.

2,462,784
WELL PERFORATING GUN
Arthur L. Smith, Torrance, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application November 17, 1941, Serial No. 419,462
16 Claims. (Cl. 164—0.5)



1. In a perforating gun of the character described, the combination of: a gun body having a plurality of gun bores to receive projectiles therein, and means for applying a gas pressure against the inner ends of said projectiles; projectiles in said gun bores; and restraining means at the inner ends of said projectiles operative when the gas pressure against the inner ends of said projectiles has built up to simultaneously release said projectiles so that said gas pressure may then discharge the same at high velocity from said gun bores; destructable liners extending from said projectiles along the walls of said gun bores to the extremities thereof, said projectiles being formed to engage and destroy said liners when the guns are fired; and means sealing the extremities of said liners to the extremities of said bores to exclude fluids in which the gun body may be immersed.

2,462,785
FLUID VELOCITY GOVERNOR
Harold T. Snell, El Paso, Tex.
Application April 10, 1946, Serial No. 661,150
4 Claims. (Cl. 137—152)

1. In a device for governing the amount of air and fuel mixture to an internal combustion en-

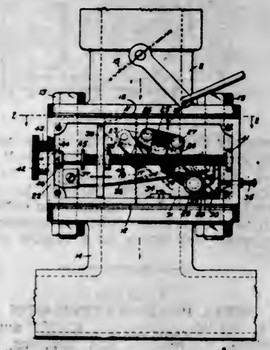
gine, a body having a flow passage extending therethrough, a valve member pivotally mounted on said body and having closing and opening movement in said passage, a suction responsive member pivotally mounted on said body and oper-

flexible and slightly elastic adhesive coating on the exterior of the glove substantially at the said

said base portion, side and end walls projecting upwardly from said floor, flange guage members projecting upwardly from the front of said floor having inner forwardly inclined edges engaging memorandum sheets and a cover at the rear end

tacts being wholly laterally movable to span the pair in the closed circuit position with the

gine, a body having a flow passage extending therethrough, a valve member pivotally mounted on said body and having closing and opening movement in said passage, a suction responsive member pivotally mounted on said body and operable in said passage, means connecting said valve member with said suction responsive member so that the former moves in unison with the latter, checking means connected with the suction responsive member to normally retain it in such



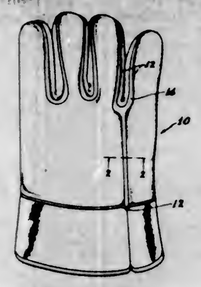
position that the valve member is in a fully open position subject to closing movement in response to suction action exceeding a pre-determined degree, said checking means consisting of an arm connected with the suction responsive member, said arm having a roller, and a crimped spring which coacts with said roller, and resilient means which cooperates with the checking means to cause the return movement of the suction responsive member and the valve member connected therewith.

2,462,786
PACIFIER
Nat P. Steckler, New York, N. Y.
Application August 16, 1946, Serial No. 691,014
2 Claims. (Cl. 128—360)

1. The combination, in a pacifier, of a body portion having a hollow nipple, a guard, gum massaging and teething means around the outer circumferential edge of the said guard, a plurality of reinforced arms emanating from a flat surface of the guard, and a space within the walls of the said nipple, all of one piece, inseparable unitary construction, the said space containing a soft filling, and the said arms adapted to hold a ring, substantially as set forth.

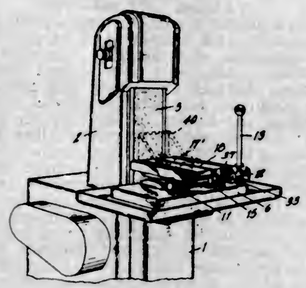
2,462,787
GLOVE OR THE LIKE
Robert Steinberg, Great Neck, N. Y.
Application May 8, 1948, Serial No. 25,829
11 Claims. (Cl. 2—161)

1. In a glove or the like, comprising outer glove sections connected to one another by inturned sewn seams, a narrow thin band of a waterproof, flexible and slightly elastic adhesive coating on the exterior of the glove substantially at the said



seams only, the remainder of the outer glove surface being free of such coating.

2,462,788
WORKTABLE FOR BELT GRINDERS AND THE LIKE
Donald E. Sutton, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan
Application April 8, 1946, Serial No. 660,352
13 Claims. (Cl. 51—143)



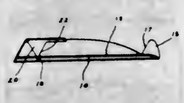
13. In a machine of the class described, the combination with a reciprocatingly mounted carriage, of a work table bed member tiltably mounted on said carriage, a work table slidably mounted on said bed member for movement transversely of the travel of the carriage, a single movement manually operated means for tilting said bed member on its way and reciprocating said table, and an interlocking means on said table and carriage for preventing tilting of said table and disengaged by the reciprocating movement of the table on the bed member.

2,462,789
TWO-PIECE PLASTIC LOOSE-LEAF MEMORANDUM SHEET HOLDER
Martin E. Trollen, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn.
Application November 27, 1944, Serial No. 565,370
5 Claims. (Cl. 281—44)

4. A two-piece plastic loose-leaf memorandum sheet holder, including a base portion, a floor in

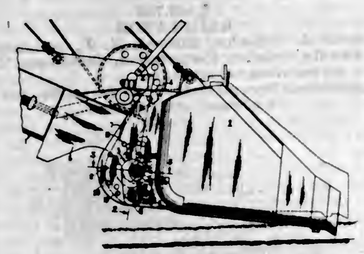
contacted in an alkylation zone with an added olefin stream and a substantially anhydrous aromatic sulfonic acid, whereby said alkylatable hydrocarbon is alkylated and a substantial proportion of said aromatic sulfonic acid is converted to an ester derived from said olefin and aromatic

said base portion, side and end walls projecting upwardly from said floor, flange guage members projecting upwardly from the front of said floor having inner forwardly inclined edges engaging memorandum sheets and a cover at the rear end of said base portion formed separately therefrom



and having a pair of depending flanges which are sealed and secured to said floor to hold said cover rigid, said depending flanges on said cover having inclined edges parallel to said inner inclined edges of said flanged guage members to hold the memorandum sheets between said paralleled edges.

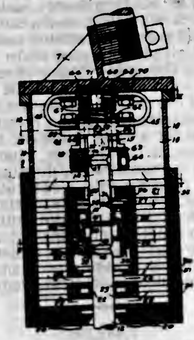
2,462,790
BUCKET STRUCTURE FOR EXCAVATORS AND LOADERS
William G. Van Voorhis, Columbus, Ohio, assignor to The Jaeger Machine Company, Columbus, Ohio, a corporation of Ohio
Application June 5, 1946, Serial No. 674,484
8 Claims. (Cl. 214—140)



1. In combination, a boom, a bucket pivoted to the boom for relative movement about a horizontal axis between working position and dumping position, a releasable latch for holding the bucket in working position at a suitable angle relative to the boom, a horizontally disposed pivot pin or shaft for pivotally connecting the bucket to the boom and rotatably carried by the boom, and eccentrics keyed on said pin and rotatably disposed in bearings carried by the bucket whereby the working angle of the bucket relative to the boom can be varied by rotating said pin.

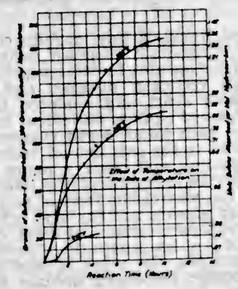
2,462,791
CIRCUIT INTERRUPTER
Oswald von Mehren, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 13, 1945, Serial No. 577,637
15 Claims. (Cl. 200—170)

1. In a circuit interrupter, a pair of contacts cooperable to establish an arc, and one or more independently laterally movable bridging contacts being wholly laterally movable to span the pair in the closed circuit position with the



terminal ends of each bridging contact engaging both the aforesaid contacts.

2,462,792
ALKYLATION PROCESS
Francis T. Wadsworth, Texas City, and Robert J. Lee, La Marque, Tex., assignors to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
Application August 9, 1945, Serial No. 609,882
6 Claims. (Cl. 260—671)



1. A process for the alkylation of polycyclic aromatic hydrocarbons which comprises introducing an olefin into an alkylation zone and contacting said olefin in said alkylation zone with polycyclic aromatic hydrocarbons and at least 3 mol percent of a substantially anhydrous toluene sulfonic acid at a temperature in the range of about 265 to about 300° F. under sufficient pressure to maintain a liquid phase in said alkylation zone, diluting alkylation reaction products with a saturated hydrocarbon, and separating a phase comprising substantially anhydrous toluene sulfonic acid.

2,462,793
ALKYLATION AND CATALYST RECOVERY
Robert J. Lee, La Marque, Tex., assignor to Pan American Refining Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application August 9, 1945
Serial No. 609,941
8 Claims. (Cl. 260—671)

1. In a process for the alkylation of an alkylatable hydrocarbon wherein said hydrocarbon is

2,462,797
GAS-CLEANING MEANS
Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1946, Serial No. 685,009

2,462,799
CONTROL CIRCUITS
John E. Young, Merchantville, and William E. McCown, Gloucester, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 21, 1945, Serial No. 584,020

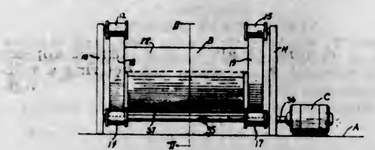
contacted in an alkylation zone with an added olefin stream and a substantially anhydrous aromatic sulfonic acid, whereby said alkylatable hydrocarbon is alkylated and a substantial proportion of said aromatic sulfonic acid is converted to an ester derived from said olefin and aromatic sulfonic acid, the steps which comprise discontinuing the addition of said olefin stream upon completion of the desired alkylation reaction, subjecting the alkylation reaction mixture to a temperature and for a time sufficient to effect substantial conversion of said ester, whereby aromatic sulfonic acid is regenerated, diluting the alkylation reaction mixture with a saturated hydrocarbon in quantity sufficient substantially to reduce the solubility of the aromatic sulfonic acid in the alkylation reaction mixture, whereby the aromatic sulfonic acid separates as a distinct stratum from the alkylation reaction products, and recovering aromatic sulfonic acids so produced.

2,462,794

APPARATUS FOR CENTRIFUGAL CASTING

William H. Walter, Chicago, Ill.

Application November 5, 1945, Serial No. 626,588
4 Claims. (Cl. 22—65)



4. A centrifugal casting machine comprising a generally horizontally disposed casting cylinder having an end opening for the reception of molten metal, two vertically disposed end rings laterally spaced apart and mounted for rotation and constrained against movement towards and away from each other, a rod connected to said rings parallel to the axis thereof, rollers supporting and guiding said rings, a motor having its shaft connected to certain of said rollers to rotate the rings, the confronting faces of said rings having annular grooves therein, said cylinder comprising a two-part cylindrical mold, one part of which mold is of less length than the distance between said rings, the other of said mold parts having endwise projecting arcuate flanges entered in the grooves of said end rings to thereby mount the mold on said rings, the first named of said mold parts and said rod having cooperating cam means for jamming said rod against said cylinder to hold said mold parts closed and for rotating said mold in the same direction and about the same axis as said rings are driven by the motor.

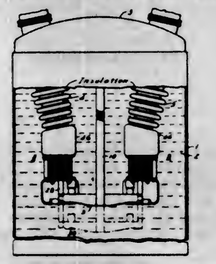
2,462,795

CIRCUIT INTERRUPTER

Josephine R. Webb and Herbert J. Webb, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 13, 1945, Serial No. 572,593
8 Claims. (Cl. 200—150)

1. In a circuit interrupter of the liquid break type, an arc extinguishing structure forming a pressure chamber, a first contact cooperable with a second contact to establish a pressure-generating arc within the pressure chamber, a third contact cooperable with said first contact to establish a second serially related interrupting arc, operating means for said interrupter for moving said third contact to an open circuit position, a first piston means connected to said second contact and arranged to be acted on at one side thereof by the pressure within the pressure chamber, a second piston means and an insulating liquid filled conduit connecting the other side of said first piston means to said second piston means, said second piston means



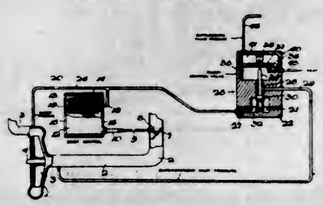
being actuated by the opening movement of said third contact to cause a reduction in pressure in said conduit whereby the pressure in said pressure chamber acts in conjunction with the reduced pressure in said conduit to cause opening of said second contact substantially at the same time upon opening movement of said third contact and to maintain said second contact open during interruption of the arcs.

2,462,796

REGULATOR

Harold A. Wheeler, Alwood, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application December 11, 1944, Serial No. 567,668
6 Claims. (Cl. 123—25)



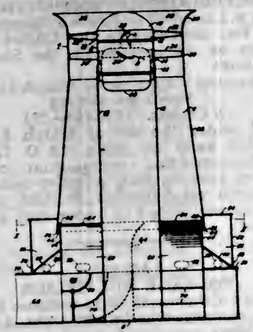
1. A device of the character described, comprising, in combination, a conduit for conducting a superatmospheric pressure medium, said conduit having a restricted orifice positioned therein intermediate the inlet and outlet of said conduit and an airleak therein at the outlet side of said restricted orifice, a first valve member for opening and closing said air leak, a second valve member for regulating said airleak, spring means positioned between said first and second valve members for biasing said valve members in a direction for closing said airleak, operator-operated means for controlling said first valve member, and differential pressure responsive means for operating said second valve member upon said first valve member being in an open position, said differential pressure responsive means being responsive to the difference between the pressures at the inlet and outlet of said restricted orifice and arranged to operate said second valve member so as to maintain a predetermined substantially constant differential between the pressures at the inlet and outlet of said restricted orifice.

2,462,797

GAS-CLEANING MEANS

Charles C. Whittaker, Pittsburgh, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 20, 1946, Serial No. 685,009
2 Claims. (Cl. 183—36)



1. A gas-cleaning means comprising, in combination, upstanding nested walls forming a gas-passage having a gas inlet at one end, said nested walls comprising an inner tubular member and an outer tubular member bounding said gas-passage; draft-inducing means comprising vanes and a propeller for establishing a draft through said gas-passage with the gas whirling about said inner tubular member; a gas-divider intermediate upstanding tubular wall inside of but spaced from an end of said outer tubular member; a horizontal wall having an opening receiving said intermediate wall end extending outwardly therefrom; additional walls cooperating with said horizontal wall, said intermediate wall, and said end of said outer tubular member for providing a dirt-receiving duct; a second horizontal wall below the said first horizontal wall; said inner tubular member extending downwardly to said second horizontal wall; said first and said second horizontal walls cooperating with further walls to form an outlet duct extending outwardly from said intermediate wall and said inner tubular member; vanes between said inner tubular member and said intermediate wall for reducing the whirl of gas flowing therebetween; and vane means and divider-wall means in the space between said first and said second horizontal walls for directing gas leaving said vanes longitudinally into said outlet duct.

2,462,798

MANUFACTURE OF DESICCANTS

Robert C. Wilson, Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York

Application April 16, 1946, Serial No. 662,455
12 Claims. (Cl. 252—300)

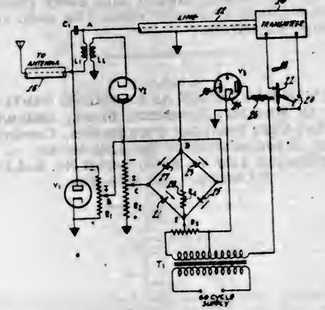
1. A process for manufacture of adsorbent silica gel which comprises gelling a silica hydrosol to thereby form a hydrogel containing zeolytic alkali metal, reducing the temperature of the resultant hydrogel promptly after gelation, maintaining the temperature of the hydrogel below that at which gelation occurred without substantial base exchange during a substantial period of time before syneresis is complete, and thereafter base exchanging to remove zeolytic alkali metal, washing and drying the hydrogel.

2,462,799

CONTROL CIRCUITS

John E. Young, Merchantville, and William E. McCown, Gloucester, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application March 21, 1945, Serial No. 584,020
5 Claims. (Cl. 250—17)



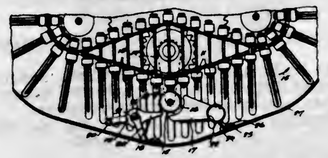
1. In electrical apparatus for controlling the operativeness of a radio or equivalent circuit wherein continuous alternating current appears during operation, a rectifier for deriving a voltage the magnitude of which depends on the voltage in said circuit, a second rectifier for deriving a voltage the magnitude of which depends on the intensity of the current in said circuit, a bridge circuit connected to said recifiers for comparing said derived voltages, and a tube coupled to said bridge circuit and subjected to changes in said derived voltages for controlling the operativeness of said circuit in the same sense by changes in either direction in the magnitudes of either of the compared voltages.

2,462,800

DOFFING MECHANISM FOR COTTON HARVESTERS

Charles R. Berry, Vicksburg, Miss.; Ruby M. Berry administratrix of said Charles R. Berry, deceased

Application October 16, 1943, Serial No. 506,543
2 Claims. (Cl. 56—30)



1. In a cotton picker, doffing mechanism comprising: supporting structure; a doffing element rotatably carried by the supporting structure and having a generally circular periphery for engaging and carrying cotton; a receiver at one side of and adjacent to the doffing element so that the doffing element rotates toward the receiver, said receiver being in the form of a hood having a mouth shaped to embrace a portion of the periphery of the doffing element; means mounting the receiver on the supporting structure for adjustment of the receiver toward and away from the doffing element to vary the embracing relationship between said receiver and said doffing element; an air blast nozzle at the

other side of the doffing element for directing a blast of air in a path generally tangent to the periphery of the doffing element and generally in the direction of rotation of said element and

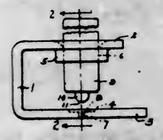
at one end, a coaxial pin in combination with said punch, said pin having head and neck portions at its outermost end for attachment to a socket member through an opening thereof

layer of glass; and a member having an inlet above the said outlet of the pipe communicating

annular stream of glass, said shaping element comprising a plurality of superposed substantially annular glass-intercepting members forming a hollow, substantially cylindrical shaping ele-

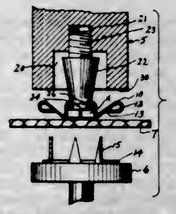
other side of the doffing element for directing a blast of air in a path generally tangent to the periphery of the doffing element and generally in the direction of rotation of said element and toward the receiver so that cotton is dislodged from the doffing element and directed into the mouth of the receiver; and means mounting the nozzle on the supporting structure for adjustment of the nozzle toward and away from the doffing element generally along the path of air discharge therefrom.

2,462,801
SNAP FASTENER ATTACHING TOOL
Clyde D. Buckley, Needham, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application July 10, 1945, Serial No. 604,165
3 Claims. (Cl. 218—20)



1. A device for attaching snap fastener members to textile, paper and like materials comprising a supporting member having a base portion and a superposed arm portion parallel thereto, said superposed arm portion having a guide opening therein and said base portion having a fastener-part-receiving recess therein coaxially arranged with respect to the guide opening and adapted to receive a first fastener-part, said base portion being further provided with a coaxial opening of smaller diameter than said recess and extending a substantial distance below the plane of the bottom of said recess, the joining edge between the wall of said opening and the bottom of said recess presenting a sharp edge, and a combined punch and setting member slidably mounted in said guide opening having a projection extending axially therefrom and formed to press a piece of material positioned against said sharp edge to perforate it or to support and force a second fastener-part into cooperative engagement with the first fastener-part with the material clamped therebetween.

2,462,802
HOLDER FOR FASTENER ATTACHING MEANS
Clyde D. Buckley, Stamford, Conn., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 7, 1946, Serial No. 639,635
2 Claims. (Cl. 218—5)



1. A snap fastener socket attaching means comprising a punch having an annular portion at one end, a coaxial pin in combination with said punch, said pin having head and neck portions at its outermost end for attachment to a socket member through an opening thereof.

2,462,803
FIREPROOFING COMPOSITIONS
Kenneth S. Campbell and Jack E. Sands, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application March 23, 1945, Serial No. 584,484
9 Claims. (Cl. 260—28)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A flameproofing composition comprising chlorinated paraffin wax, a water-soluble urea-formaldehyde condensation product, and antimony oxide, emulsified in water with an emulsifying agent.

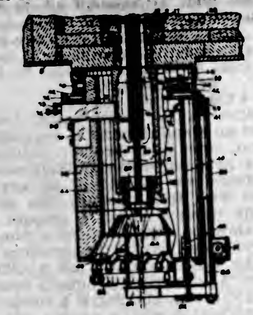
2,462,804
VOLTAGE MULTIPLIER
Don Canady, Cincinnati, Ohio, assignor to Dayton Acme Company, Cincinnati, Ohio, a corporation of Ohio
Application January 14, 1947, Serial No. 721,967
1 Claim. (Cl. 171—97)

A voltage multiplier comprising a rotary member, a pair of collector rings on one end of said member, a second pair of discharge collector rings on the other end of said rotary member, split rings between said pairs of rings, brushes contacting all of said rings, said brushes contacting said first named pair of collector rings connected to a source of electrical supply, said brushes contacting said intermediate split rings connected in pairs with a condenser interposed therein, said second pair of discharge collector rings having brushes having a condenser connected thereacross, and means connecting said split rings to said full rings whereby during the revolution of said rotary member said intermediate condensers will be alternately connected in parallel to said supply and alternately connected in series to said discharge collector rings.

2,462,805
APPARATUS FOR FORMING GLASS TUBING, RODS AND THE LIKE
Edward Danner, Newark, Ohio
Application December 17, 1941, Serial No. 423,255
6 Claims. (Cl. 49—17.1)

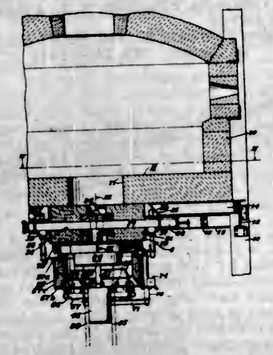
2. In an apparatus for forming glass articles, a container for containing molten glass having an outlet; a conduit positioned below the outlet; means for flowing glass downwardly and spreading the glass in thin layer form over the inner surface of the conduit; a source of supply of air; a pipe connected to the source and having an outlet near the lower end of the conduit for flowing cooling air upwardly over the surface of the

layer of glass; and a member having an inlet above the said outlet of the pipe communicating



with said conduit for removing air from within said conduit.

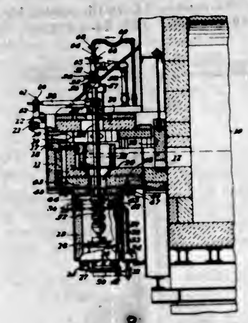
2,462,806
GLASSWARE FORMING APPARATUS
Edward Danner, Newark, Ohio
Application December 21, 1943, Serial No. 515,089
28 Claims. (Cl. 49—17.1)



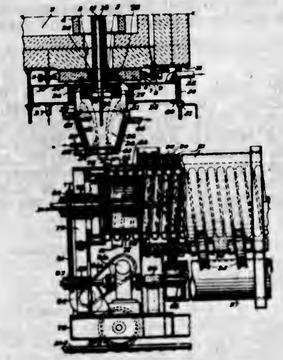
24. Glassware forming apparatus comprising a source of molten glass, a wall having an orifice therethrough communicating with the source of molten glass and providing a downwardly flowing stream of molten glass, a conduit intersecting said orifice, a shaping element positioned to receive the downwardly flowing stream of glass, means extending into the conduit for supporting the shaping element, and means for adjusting the shaping element supporting means vertically with respect to said wall containing said orifice.

2,462,807
APPARATUS FOR THE MANUFACTURE OF TUBULAR GLASSWARE
Edward Danner, Newark, Ohio
Application April 4, 1944, Serial No. 529,462
18 Claims. (Cl. 49—17.1)

1. In apparatus for forming tubular glassware, a source of molten glass, means for forming the glass into a downwardly flowing annular stream, a glass shaping element, and means for supporting the shaping element in the path of said stream, said supporting means extending axially of and vertically through the downwardly flowing annular stream of glass, said shaping element comprising a plurality of superposed substantially annular glass-intercepting members forming a hollow, substantially cylindrical shaping element, whereby the glass as it passes downwardly over the shaping element is intercepted repeatedly by said glass intercepting members and flows freely out of contact with the element as it passes from one member to another.



2,462,808
MANUFACTURE OF TUBULAR GLASSWARE
Edward Danner, Newark, Ohio
Application July 16, 1945, Serial No. 605,335
14 Claims. (Cl. 49—1)



1. Apparatus for the continuous manufacture of glass tubing in spiral form comprising a source of molten glass, a shaping element positioned to receive molten glass from said source and to preliminarily shape it into tubular form, a drum positioned to receive the preliminarily shaped tube, means for rotating the drum, stationary means cooperating with the drum for causing the shaped tube to be wound in spiral form thereon as the drum is rotated, said drum having friction means at the tube receiving end for providing friction between the tube and the drum as it is wound thereon, and conveying means for receiving the spirally shaped tube as it is continuously discharged from the other end of said drum.

2,462,809
ADJUSTABLE STOP FOR GATE VALVES
Edmond P. De Craene, Westchester, Ill., assignor

2,462,811
PROTEIN WATER PAINT VEHICLES HAVING INCREASED WET ABRASION RESISTANCE

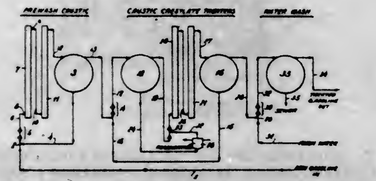
2,462,814
WALKER OR TOY VEHICLE
Alfred Rodrigues, Chicago, Ill., assignor to James

and advance chambers respectively, said pull-back valve being connected to said source, and said operating valve being connected to said pull-back valve, a discharge line connected to said

2,462,808
ADJUSTABLE STOP FOR GATE VALVES
Edmond P. De Crane, Westchester, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application November 13, 1945, Serial No. 628,029
14 Claims. (Cl. 74—424.8)

1. In an adjustable position stop mechanism for valves of the character described, the combination including a yoke and a threaded reciprocably movable stem, a yoke sleeve threadedly journalled upon the said stem, means supporting the said yoke sleeve, means reciprocably movable relative to and supported by the said yoke sleeve upon predetermined rotation of the said yoke sleeve, and stop means cooperating with said reciprocably movable means to limit the axial movement of the said stem relative to the said yoke and yoke sleeve.

2,462,810
PROCESS FOR THE SEPARATION OF AN EMULSION OF PETROLEUM OIL AND AQUEOUS SOLUTION CONTAINING ADDED ALKALI METAL SALTS OF CRESOLS
Leslie Lee Ferguson, East St. Louis, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 20, 1946, Serial No. 655,877
2 Claims. (Cl. 196—30)

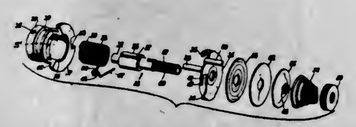


1. In the separation of an emulsion of petroleum oil and aqueous solution of alkali metal hydroxide containing added alkali metal salts of cresols used to remove mercaptans, said aqueous solution having a viscosity of 3.5 centistokes, the improvement which comprises flowing a mixture through a vertical confined space of dimensions of oil, aqueous solution and emulsion upward such as to provide a residence time therein of at least 7 minutes for said oil, aqueous solution and emulsion at a liquid velocity of 0.06 to about 0.12 foot per second.

2,462,811
PROTEIN WATER PAINT VEHICLES HAVING INCREASED WET ABRASION RESISTANCE
James C. Kenen and Burton W. Schroeder, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company, a corporation of Delaware
No Drawing. Application October 18, 1944, Serial No. 559,239
4 Claims. (Cl. 106—154)

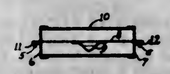
1. A vehicle for a water paint consisting essentially of an alkali dispersible vegetable protein material, lime as a protein insolubilizing agent, and a heat polymerized alkali metal salt of the condensation product of an aryl alkyl sulfonic acid with formaldehyde, the said salt being initially water soluble, in amount to increase wet abrasion resistance of a film made from the vehicle, and having the structure represented by the type formula $(A.R.A')SO_3M$ in which A and A' designate aromatic groups, R is a lower alkyl group, and SO_3M a sulfonic acid group in combination with a soluble salt forming metal represented by M.

2,462,812
THREAD-TENSION DEVICE FOR SEWING MACHINES
Frank Parry and Berthold P. Pinkvoss, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 9, 1946, Serial No. 646,603
10 Claims. (Cl. 242—150)



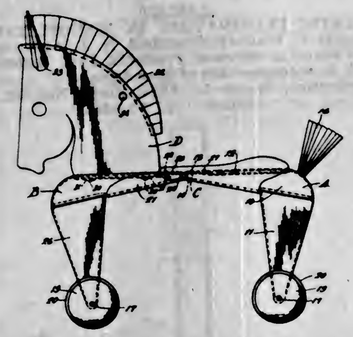
1. In a thread tensioning device for sewing machines, a support formed with a flange, an arbor carried by said support, spring-pressed opposed tension-disks mounted upon said arbor, a thread-guide carrying abutment-plate disposed adjacent one of said tension-disks, and interlocking means between the flange of the support and the abutment-plate providing for relative turning adjustment of said support and abutment-plate and for confining said abutment-plate against sidewise movement.

2,462,813
GETTER STRUCTURE
Leopold Reiner, Orange, N. J., assignor to United Electronics Company, Newark, N. J., a corporation of New Jersey
Application June 18, 1946, Serial No. 677,461
8 Claims. (Cl. 250—27.5)



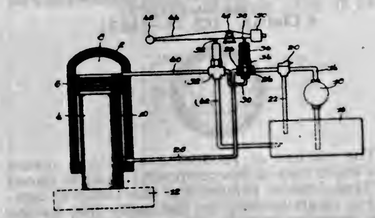
1. A getter structure for an electronic tube comprising a getter, a flat plate supporting said getter intermediate the ends of said plate, a transparent tube surrounding said getter and plate, and end members fixed to said plate at either end thereof and holding said tube, each of said end members being apertured to provide vents.

2,462,814
WALKER OR TOY VEHICLE
Alfred Rodriquez, Chicago, Ill., assignor to James F. Barnes, Jean O. Reinecke, Margaret M. Barnes, and Esther Reinecke, Chicago, Ill.
Application August 17, 1945, Serial No. 610,965
2 Claims. (Cl. 280—1.10)



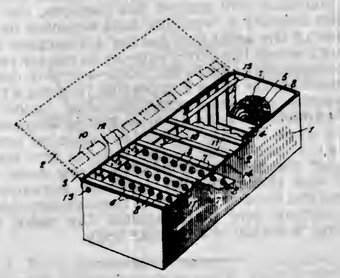
2. A walker toy, comprising a pair of body members tapering inwardly toward each other to provide a constriction, wheel-equipped leg members extending downwardly from said body members, a spring connecting said body members, said body members providing seat portions on opposite sides of said constriction which lie in substantially the same plane when said spring is unflexed, and a resilient cushion extending over said constricted portion to provide a seat on opposite sides of said constriction, said cushion having a top surface which is substantially straight to permit the operator to shift from one side to the other of said constriction, whereby in the depressing and releasing of said spring, said toy is caused to go in forward and backward directions.

2,462,815
VALVE SYSTEM FOR HYDRAULIC PRESS CIRCUITS
Robert K. Sedgwick, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 26, 1944, Serial No. 542,095
10 Claims. (Cl. 60—52)



10. In a hydraulic machine, hydraulic motor means including advance and pull-back chambers of relatively large and small cross-sectional areas respectively, and ram means reciprocal within said chambers, and a hydraulic circuit including a source of hydraulic pressure fluid, pull-back and operating valves connected to said pull-back and advance chambers respectively, said pull-back valve being connected to said source, and said operating valve being connected to said pull-back valve, a discharge line connected to said operating valve, said operating valve being adapted in its closed position to restrict flow of fluid to said discharge line, said pull-back valve being adapted in its closed position to restrict flow of said fluid to said operating valve, and operating means for alternately opening and closing respective valves in such manner that one of said valves is open when the other thereof is closed.

2,462,816
DISPENSING CABINET
Charles Schner, Jr., Hewlett, and Frank Zeiser, Stewart Manor, N. Y., assignors, by direct and mesne assignments, to Sentinel Products, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1946, Serial No. 689,752
1 Claim. (Cl. 312—39)



In a cabinet from which are dispensed in strip form small articles individually mounted on cards, said cabinet being of the type comprising a box adapted to hold a plurality of strips of article bearing cards, a cover having a square front edge and having positioned above and corresponding to each strip a slot through which said strip passes, and means within said box for guiding each strip to its particular slot, a plurality of flanges mounted on said cover in such manner that two of such flanges co-operate with each slot, said flanges extending rearwardly of each slot far enough to overlie and hold in place a card indicating the price of the article being dispensed from that slot, and extending forwardly of each slot far enough to position a strip as it emerges from its slot, and regulate its path across the cover to the front edge thereof, whence the number of articles desired by a customer may be severed from the main body of the strip.

2,462,817
COPOLYMERS OF TETRA-ALLYL PENTAERYTHRITOL
Lee T. Smith, Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture
No Drawing. Application April 26, 1946, Serial No. 665,039
6 Claims. (Cl. 260—85.7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A resin comprising a copolymer of 10 to 50 parts of tetra-allyl pentaerythritol and 90 to 50 parts of methyl methacrylate.

2,462,818
CABLE CONNECTOR

plate intermediate said openings and projecting into said transmission case whereby oil set in

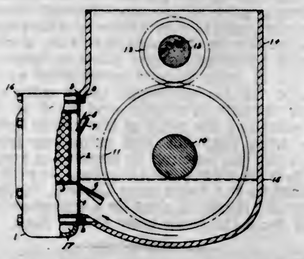
that said material is distributed and compacted, stopping the rotation of said drum, and insert-

coil said disc having a diameter less than the length of the said pointer; a set of radial graduations carried by the disc said graduations being

2,462,818
CABLE CONNECTOR
George C. Thomas, Jr., Elizabeth, and Carroll A. Badeau, Westfield, N. J., assignors to The Thomas & Betts Co., Elizabeth, N. J., a corporation of New Jersey
Application December 29, 1945, Serial No. 637,906
1 Claim. (Cl. 285—6.5)

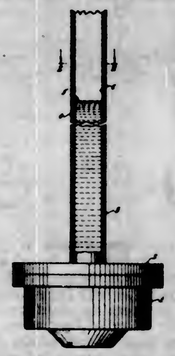
A cable connector comprising a tubular body adapted to have its inner end anchored in an electrical-box hole and its outer end to receive a cable, a straight-wall portion formed in the outer end of the tubular body, a screw extending through a screw-threaded hole in said body and alongside the straight-wall portion toward one side of the cable, a yoke-like clamping saddle mounted astride the outer end wall of the body and freely movable in operative relation thereto, and including two spaced flat portions, one flat portion forming a retaining arm mounted on the outside of the body and having a clearance hole through which the screw extends to loosely retain the clamping saddle in its freely-movable operative position, the other flat portion forming a freely-movable clamping plate mounted inside the body at one side of the cable and being disposed in a plane at an angle to that of the retaining arm as well as at an angle to the axis of the screw, whereby the tightening of said screw cams the inner end thereof under pressure engagement against the angular surface of the clamping plate, thus forcing said plate against the cable and securing it within the tubular body.

2,462,819
TRANSMISSION OIL FILTER MEANS
Herbert H. Trail, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich., a corporation of Delaware
Application July 3, 1944, Serial No. 543,239½
7 Claims. (Cl. 184—13)



1. A filter device for cleaning oil in a geared transmission case having an opening in the radial path of a rotatable gear, comprising; a filter casing secured over said opening to act as a cover therefor; a plate interposed between said casings substantially closing said opening; the said plate having an inlet and an outlet opening; a filter element through which oil may pass to be cleansed, said element disposed within said filter case and having its inlet communicated with said inlet opening and its outlet communicated with said outlet opening, said inlet and outlet openings spaced apart in the direction of travel of said gear, of baffles formed on or secured to said plate intermediate said openings and projecting into said transmission case whereby oil set in motion by rotation of said gear is forced into said inlet opening and away from said outlet opening to cause circulation of the oil through said filter element.

2,462,820
STATIC ELIMINATION IN MANOMETERS
Charles F. Wallace, Westfield, N. J., assignor to Wallace & Tiernan Products, Inc., Belleville, N. J., a corporation of New Jersey
Application March 12, 1945, Serial No. 582,340
2 Claims. (Cl. 73—401)



1. A manometer, comprising a non-metallic and non-electric conducting tube containing a liquid, the level of the surface of which in said tube is indicative of the magnitude of a condition, and an electrically conducting coating inside said tube and in contact with said tube and with the liquid therein for bleeding off static electricity on the inside of said tube, so as to prevent any effect of such static electricity upon the level of the surface of the liquid in said tube.

2,462,821
METHOD OF MAKING COMPOSITE ARTICLES
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Substituted for abandoned application Serial No. 477,568, March 1, 1943. This application January 22, 1945, Serial No. 573,907
4 Claims. (Cl. 29—152.2)

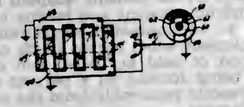
1. The method of producing a friction facing on the inner face of the peripheral annular flange of a brake drum comprising the steps of providing a clean surface on the inner face of the flange, rapidly rotating said drum about the axis of the drum, uniformly supplying a measured amount of powdered friction material to said clean surface, said powdered material comprising a mixture of powdered metals with minor amounts of powdered nonmetallic friction material, controlling the speed of rotation of the drum and the feed of the powdered material so

that said material is distributed and compacted, stopping the rotation of said drum, and inserting a segmented annular member having an outside diameter substantially the same as the inner diameter of the distributed powder layer, then rapidly rotating said drum and applying heat to the powdered material whereby a dense sintered friction facing is produced on the inner face of the flange.

2,462,822
VARIABLE INDUCTANCE
Frank Wood, Elmhurst, Ill., assignor to Zenith Radio Corporation, a corporation of Illinois
Application April 19, 1946, Serial No. 663,279
1 Claim. (Cl. 171—242)

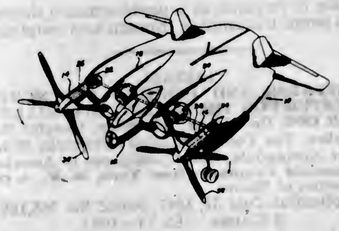
A variable inductance assembly, comprising, a tubular coil form having a plurality of longitudinal ribs formed on the internal surface of said form, a winding wound about the periphery of said coil form, a threaded core member movably positioned within said coil form to adjust the magnitude of the inductance of said winding, a resilient plastic-like tubular shaped insert between said core member and the inner surface of said form and having longitudinally extending corrugations on the internal surface of said insert, said insert being adapted to have threads formed on the internal surface thereof when said core member is driven into said coil form, and said resilient insert exerting a pressure against said ribs upon introduction of said core member sufficient to prevent movement of said insert with respect to said coil form.

2,462,823
PHOTOELECTRIC CELL COLOR TEMPERATURE MEASURING DEVICE
Horace Letellier Woodward, Jr., Arlington, Va., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application May 31, 1945, Serial No. 596,917
3 Claims. (Cl. 88—22.5)



1. A direct reading color temperature meter comprising a first photocell having a red filter fixed over the light active surface; a second photocell having a blue filter fixed over the light active surface said second photocell being disposed immediately adjacent to the first photocell; an instrument having a movable coil carrying a pointer; a switch selectively operable to connect one or the other of said photocells individually to said movable coil; a rotatable disc pivoted about the extended axis of the movable coil said disc having a diameter less than the length of the said pointer; a set of radial graduations carried by the disc said graduations being marked in color temperature values; and an index mark carried by said disc said index mark settable in alinement with the pointer when the first photocell is connected to the movable coil, whereby the pointer will cooperate with the radial graduations on the disc when the second photocell is connected to the movable coil thereby providing a direct reading of the color temperature of the light source to which the photocells are exposed.

2,462,824
SINGLE OR MULTIENGINED DRIVE FOR PLURAL AIRSCREWS
Charles H. Zimmerman, Nichols, and Henry J. Rapuano, Milford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 3, 1944, Serial No. 561,811
14 Claims. (Cl. 244—60)



1. In a power transmission mechanism, driving and driven members, a sun gear connected to one of said members, an internal ring gear rotatable about the axis of said sun gear, a planetary pinion meshing with said sun and ring gears and a carrier therefor connected to the other of said members, means for rotating said sun gear, ring gear and planetary pinion as a unit about the axis of said sun gear including clutch mechanism disposed around the axis of said sun gear having sets of cooperating annular friction clutch rings rotatable with said sun and ring gears respectively, and means also rotatable with said gears including hydraulic cylinder and piston means arranged coaxially with said clutch rings, means for constantly venting fluid from said cylinder means for disengaging said clutch mechanism, and means for supplying fluid to said cylinder means at a rate of flow greater than the flow through said venting means for engaging said clutch mechanism.

2,462,825
AUTOMATIC DECLUTCHING MEANS FOR MULTIENGINE DRIVES
Charles H. Zimmerman, Nichols, and Henry J. Rapuano, Milford, Conn., assignors to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application November 3, 1944, Serial No. 561,812
23 Claims. (Cl. 192—85)

1. In a power transmission mechanism, a power input member, a power output member, a coupling having two elements flexibly connected together, one of which is connected to one of said members, means for releasably connecting the other coupling element with the other of said members, and means for controlling the release of said connect-

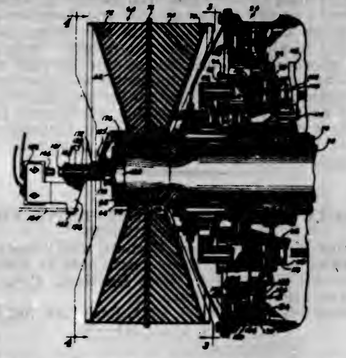
ing means including cooperating members rotatable with said coupling elements and relatively

surfaces located in a plane common to the axis of rotation of said members and clamping mem-

extending disc rigidly attached to the shank forwardly of the hook element, a flexible bait simu-

at a point spaced from the forward opening, said loop removably receiving the shank and hook, and inclined resilient guards arranged in advance

ing means including cooperating members rotatable with said coupling elements and relatively



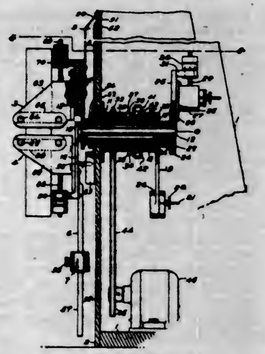
movable in response to a predetermined decrease in the power transmitted through said coupling.

2,462,826

STIFFNESS AND BENDING STRENGTH TESTER FOR THIN SHEET MATERIALS

Russell Dick De Waard, Riverside, Charles Rule Stryker, Cos Cob, and Albert Franklin Blockman, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application July 31, 1947, Serial No. 765,166
3 Claims. (Cl. 73—100)



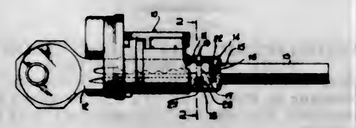
1. An apparatus for testing the stiffness of thin sheet materials comprising a pair of rotatable members mounted independently for relative rotation about a common axis, one of said members comprising a hollow cylindrical sleeve having a radially disposed plate extension at one end thereof, the other of said members comprising a shaft journaled within said sleeve and having a plate extension at the corresponding end thereof oppositely radially disposed to the plate extension of the sleeve, calibrated adjustable means carried by each one of said plate extensions for attaching a test strip of material to both of the plate extensions of the relatively rotatable members, comprising plates slidably and adjustably mounted on said plate extensions, said plates carrying test strip clamping devices comprising fixed clamping surfaces located in a plane common to the axis of rotation of said members and clamping members operable to secure the test strip against the clamping surfaces, said calibrated adjustable means being operable to set said clamping devices on each plate extension equidistant from the axis of rotation on said strip and adjustable to vary the distance of said clamping devices from said axis, driving means for positively rotating said sleeve and plate extension at a predetermined angular velocity whereby said shaft and plate extension is relatively rotated through resistance of the test strip to bending, comprising an electric motor, a belt and sprocket assembly in actuating relation between said motor and said sleeve, and a lever operated clutch means interposed between said belt and sprocket assembly and said sleeve extension for releasably engaging said sleeve in driven position, an adjustably weighted pendulum arm carried by the plate extension of said shaft for exerting a progressively increasing force opposing resistance of said test strip to bending upon continued relative rotation of said shaft and plate extension from a normal position of rest, a calibrated adjustable counterbalancing device for said shaft and plate extension mounted on the shaft so that said shaft and plate extension is maintained in static counterbalance regardless of distance of the clamping device from said axis of rotation whereby the weighted pendulum arm is the sole force exerting factor, a pointer carried by said plate extension of the sleeve, another pointer independently mounted for rotation about the axis and actuated upon rotation of said shaft and plate extension, and a scale for indicating in conjunction with the pointers the angular displacement of the relatively rotatable members.

2,462,827

LOCK MECHANISM

Henry J. Feldmann, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application October 1, 1946, Serial No. 700,522
13 Claims. (Cl. 70—379)



1. In a lock of the class described, a rotatable key plug, a driving element rotatable with said key plug, a driven element adapted for rotation by said driving element and having two surfaces adapted to be contacted sequentially by said driving element when moved in its driving path by rotation of said key plug, and one of said surfaces being formed on a part of said driven element readily removable from the path of said driving element.

2,462,828

BAIT CASTING AND TROLLING LURE

Edwin H. Parnell, Sr., Greenville, S. C.

Application September 7, 1945, Serial No. 614,835
8 Claims. (Cl. 43—33)

1. A bait casting and trolling lure, comprising a shank provided at its forward end with line attaching means and having an upwardly extending hook element near its rear end, a downwardly

extending disc rigidly attached to the shank forwardly of the hook element, a flexible bait simulating member arranged above the shank and having an opening near its forward end to receive the forward end of the shank, the forward end of the member being arranged forwardly of the

disc and engaging therewith, the disc holding the member against rearward longitudinal movement upon the shank and preventing it from turning upon its longitudinal axis to any considerable extent with relation to the shank, a loop arranged beneath the member and secured to the member at a point spaced from the forward opening, said loop removably receiving the shank and hook, and inclined resilient guards arranged in advance of the hook and mounted upon the flexible member.

2,462,829

PREPARATION OF OIL SOLUBLE PETROLEUM SULFONATES

Paul M. Ruedrich, Berkeley, Calif., assignor to Griffin Chemical Company, a corporation of California

Application May 28, 1946, Serial No. 672,881
3 Claims. (Cl. 260—504)

1. A process for producing oil soluble petroleum sulfonates from a petroleum oil comprising adding to the oil prior to sulfonation thereof between about 5% and about 15% on the weight of the oil of an oil soluble petroleum sulfonate, and adding concentrated sulfuric acid to the oil in the presence of the added petroleum sulfonate.

152,765

DESIGN FOR A CARTON

Joseph Binder, New York, N. Y., assignor to Pepsi-Cola Company, Long Island City, N. Y., a corporation of Delaware

Application October 15, 1947, Serial No. 779,744
Term of patent 14 years

152,767

DESIGN FOR A TOY WATER GUN

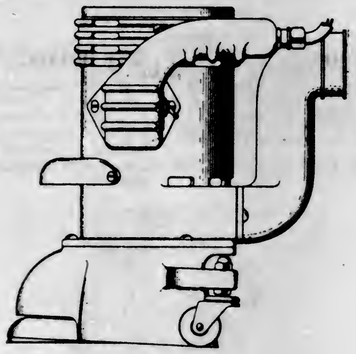
William E. Braham, Los Angeles, Calif.

Application [illegible], Serial No. [illegible]
Term of patent 14 years

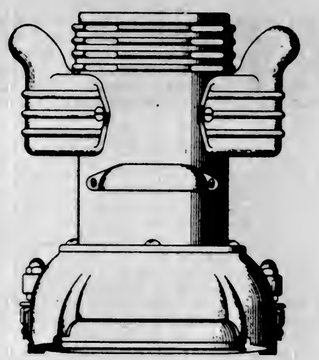
DESIGNS

FEBRUARY 22, 1949

152,763
DESIGN FOR A SANDING MACHINE
Kenneth C. Atkin, Muskegon, Mich., assignor to Clarke Sanding Machine Company, Muskegon, Mich., a corporation of Michigan
Application April 14, 1948, Serial No. 145,701
Term of patent 14 years
(Cl. D9—2)

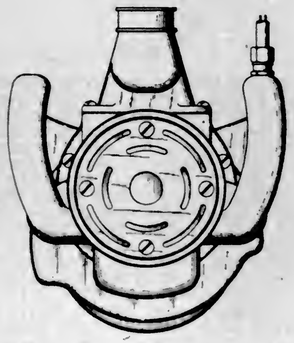


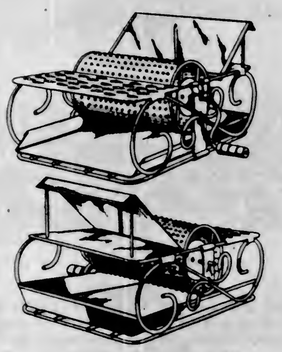
152,763—Continued



The ornamental design for a sanding machine, substantially as shown.

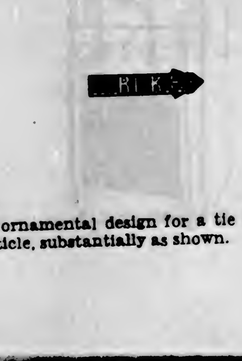
152,764
DESIGN FOR A COMBINED GRATER AND RECEPTACLE
Charlie J. Bassett, Fairfax, Ala.
Application January 27, 1948, Serial No. 144,067
Term of patent 3½ years
(Cl. D69—1)





The ornamental design for a combined grater and receptacle, as shown.

152,769
DESIGN FOR A THERMOSTATIC CONTROL GAS VALVE UNIT OR SIMILAR ARTICLE
Frederick Ellis, Jr., Cleveland, Ohio, assignor to Fenwal, Inc., Ashland, Mass., a corporation of Massachusetts
Application May 1, 1946, Serial No. 129,191
Term of patent 3½ years
(Cl. D58—12)



The ornamental design for a carton, as shown.

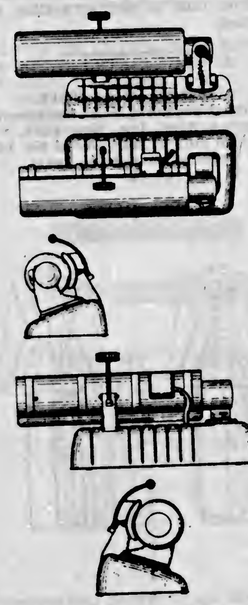
152,766
DESIGN FOR A TIE CLASP OR SIMILAR ARTICLE
Charles Birnbaum, Brooklyn, N. Y.
Application April 5, 1947, Serial No. 138,184
Term of patent 7 years
(Cl. D17—10)

The ornamental design for a tie clasp or similar article, substantially as shown.

152,767
DESIGN FOR A TOY WATER GUN
William E. Braham, Los Angeles, Calif.
Application July 29, 1946, Serial No. 132,090
Term of patent 3½ years
(Cl. D34—15)

The ornamental design for a toy water gun, substantially as shown.

152,768
DESIGN FOR A PORTABLE IRONING MACHINE
Allan L. Briggs, Jamestown, N. Y., assignor to Blackstone Corporation, Jamestown, N. Y., a corporation of New York
Application August 16, 1948, Serial No. 148,130
Term of patent 14 years
(Cl. D49—1)

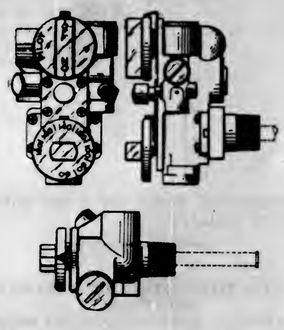


The ornamental design for a portable ironing machine, substantially as shown.

152,772—Continued

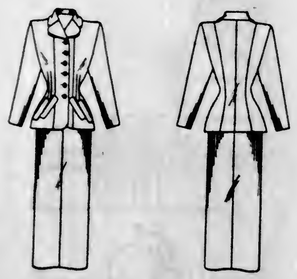
152,774
DESIGN FOR AN EXTENSIBLE BAND FOR A WATCH BRACELET OR SIMILAR ARTICLE
Hans J. Duester, Chicago, Ill., assignor to

152,769
DESIGN FOR A THERMOSTATIC CONTROL GAS VALVE UNIT OR SIMILAR ARTICLE
Michael J. Caparone, Monterey Park, Calif., assignor to Grayson Heat Control, Ltd., Lynwood, Calif., a corporation of California
Application January 27, 1947, Serial No. 136,462
Term of patent 14 years
(Cl. D61—2)



The ornamental design for a thermostatic control gas valve unit or similar article, as shown and described.

152,770
DESIGN FOR A SUIT
Sidney Cohen, New York, N. Y., assignor to Morris W. Haft & Bros., Inc., New York, N. Y.
Application July 9, 1948, Serial No. 147,475
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

152,771
DESIGN FOR A TELEPHONE DIALING IMPLEMENT
Horace F. Cutler, Malden, Mass.
Application February 17, 1948, Serial No. 144,544
Term of patent 14 years
(Cl. D26—14)

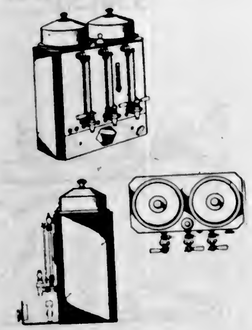
The ornamental design for a telephone dialing implement, as shown.

152,772
DESIGN FOR A BEVERAGE DISPENSER
Stephen V. Dawson, Evanston, Ill., assignor to Orange-Crush Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1947, Serial No. 142,152
Term of patent 14 years
(Cl. D2—3)

152,772—Continued

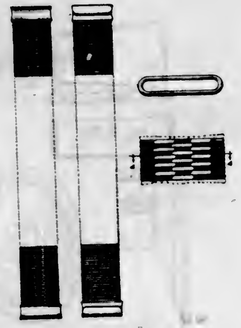
The ornamental design for a beverage dispenser, as shown and described.

152,773
DESIGN FOR A COFFEE URN
Thomas C. Donaldson, North Hollywood, Calif.
Application March 19, 1947, Serial No. 137,740
Term of patent 14 years
(Cl. D44—26)



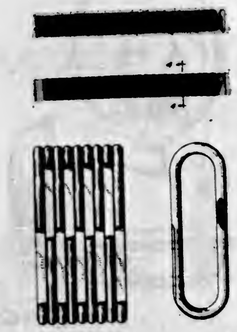
The ornamental design for a coffee urn, as shown and described.

152,774
DESIGN FOR AN EXTENSIBLE BAND FOR A WATCH BRACELET OR SIMILAR ARTICLE
Hans J. Duester, Chicago, Ill., assignor to himself and John Major, Chicago, Ill.
Application August 20, 1948, Serial No. 148,214
Term of patent 14 years
(Cl. D45—4)



The ornamental design for an extensible band for a watch bracelet or similar article, as shown and described.

152,775
DESIGN FOR AN EXTENSIBLE BAND FOR A WATCH BRACELET OR SIMILAR ARTICLE
Hans J. Duester, Chicago, Ill., assignor to himself and John Major, Chicago, Ill.
Application September 3, 1948, Serial No. 148,446
Term of patent 14 years
(Cl. D45—4)



The ornamental design for an extensible band for a watch bracelet or similar article, as shown and described.

152,776
DESIGN FOR AN ADVERTISING

152,778
DESIGN FOR AN AIR BLOWER

152,780
DESIGN FOR A PORTABLE IRONER

152,782
DESIGN FOR A PUSH-BUTTON SWITCH

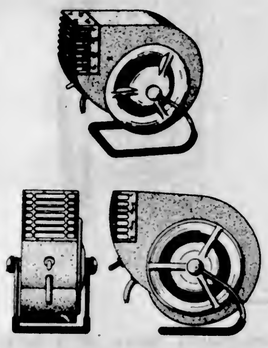
152,776
DESIGN FOR AN ADVERTISING DISPLAY SIGN
Charles L. Dwinell, Kansas City, Mo.
Application January 19, 1948, Serial No. 143,877
Term of patent 14 years
(Cl. D1—12)

The ornamental design for an advertising display sign, as shown.

152,777
DESIGN FOR A DISPLAY FIXTURE
Charles L. Dwinell, Kansas City, Mo.
Application January 26, 1948, Serial No. 144,028
Term of patent 14 years
(Cl. D80—9)

The ornamental design for a display fixture, as shown.

152,778
DESIGN FOR AN AIR BLOWER
Wilfred R. Fox, Owosso, Mich., assignor to Redmond Company, Inc., Owosso, Mich., a corporation of Michigan
Application November 21, 1947, Serial No. 142,718
Term of patent 14 years
(Cl. D62—4)

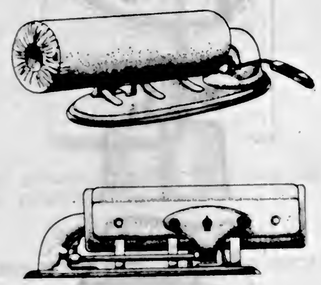


The ornamental design for an air blower, substantially as shown and described.

152,779
DESIGN FOR A TIE CLASP
Arthur Gesten, Newark, N. J.
Application February 7, 1947, Serial No. 136,771
Term of patent 7 years
(Cl. D17—10)

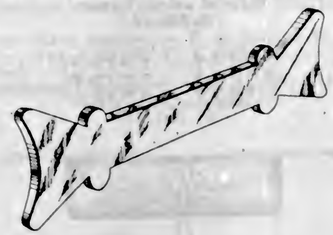
The ornamental design for a tie clasp, as shown.

152,780
DESIGN FOR A PORTABLE IRONER
John J. Getgey, Cincinnati, Ohio, assignor, by mesne assignments, to Empire Ironer, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 25, 1947, Serial No. 136,405
Term of patent 14 years
(Cl. D49—1)



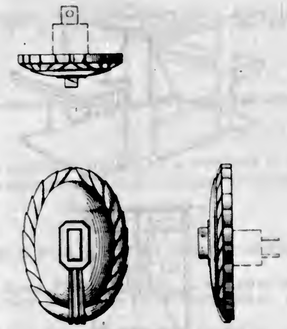
The ornamental design for a portable ironer, substantially as shown.

152,781
DESIGN FOR A TIRE EXPANDING TOOL
George E. Gier, Covington, Ky.
Application December 22, 1947, Serial No. 143,278
Term of patent 3½ years
(Cl. D54—13)



The ornamental design for a tire expanding tool, as shown.

152,782
DESIGN FOR A PUSH-BUTTON SWITCH
Lurelle V. A. Guild, Noroton, Conn.
Application October 22, 1947, Serial No. 142,076
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a push-button switch, substantially as shown and described.

152,783
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Lester L. Hess, New York, N. Y.
Application November 30, 1948, Serial No. 149,880
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

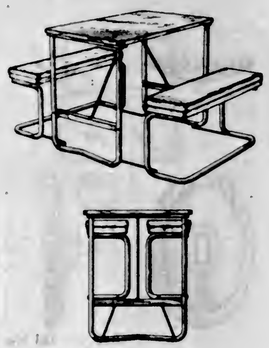
152,784
DESIGN FOR A COMBINATION TABLE AND

152,786
DESIGN FOR AN ELECTRIC STEAM IRON

152,788
DESIGN FOR A NOTE-PAD CONTAINER
Albert Kaser, Glendale, Calif.

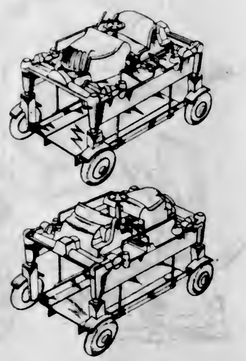
152,791
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE

152,784
DESIGN FOR A COMBINATION TABLE AND FOLDABLE BENCHES
Joseph C. Higgins, Chicago, Ill.
Application June 2, 1947, Serial No. 139,399
Term of patent 14 years
(Cl. D32—14)



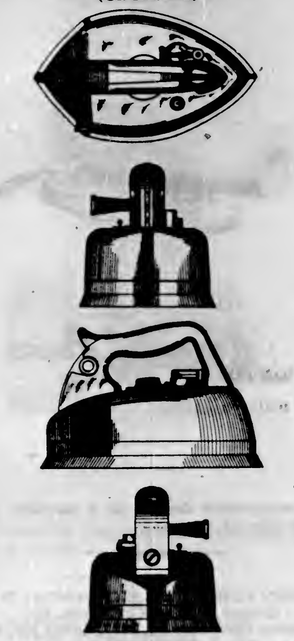
The ornamental design for a combination table and foldable benches, as shown.

152,785
DESIGN FOR A TOY VEHICLE
Thomas K. Hillard, Oakland, Calif.
Application July 22, 1946, Serial No. 131,819
Term of patent 7 years
(Cl. D34—15)



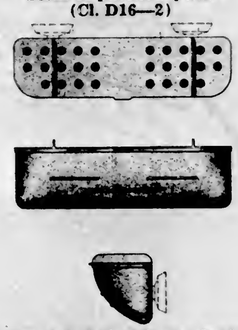
The ornamental design for a toy vehicle, substantially as shown.

152,786
DESIGN FOR AN ELECTRIC STEAM IRON
Russell I. Huffman, Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Delaware
Application April 15, 1947, Serial No. 138,413
Term of patent 14 years
(Cl. D48—6)



The ornamental design for an electric steam iron, substantially as shown.

152,787
DESIGN FOR A DEODORANT CONTAINER
Arthur J. Kangas, Detroit, Mich.
Application November 10, 1947, Serial No. 142,438
Term of patent 7 years
(Cl. D16—2)



The ornamental design for a deodorant container, as shown.

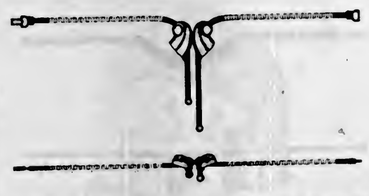
152,788
DESIGN FOR A NOTE-PAD CONTAINER
Albert Kaser, Glendale, Calif.
Application June 28, 1947, Serial No. 139,989
Term of patent 7 years
(Cl. D74—1)

The ornamental design for a note-pad container, substantially as shown.

152,789
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,941
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown.

152,790
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,943
Term of patent 7 years
(Cl. D45—16)

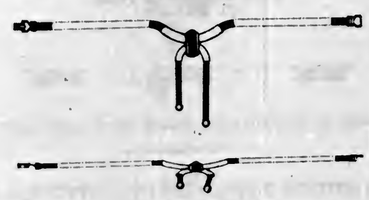


The ornamental design for a necklace or similar article, substantially as shown and described.

152,791
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,944
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,792
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,945
Term of patent 7 years
(Cl. D45—16)



The ornamental design for a necklace or similar article, substantially as shown and described.

152,793
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,946
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,794
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,947
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,795
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,948
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,796
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,949
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,797
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,950
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,800
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,951
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,801
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,952
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,802
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,953
Term of patent 7 years
(Cl. D45—16)

152,802—Continued

The ornamental design for a necklace or similar article, substantially as shown and described.

152,794
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,947
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,795
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,949
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,796
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,950
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,797
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,951
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,798
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 3, 1948, Serial No. 149,952
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown and described.

152,799
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,991
Term of patent 7 years
(Cl. D45—16)

The ornamental design for a necklace or similar article, substantially as shown.

152,800
DESIGN FOR A NECKLACE OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 4, 1948, Serial No. 149,999
Term of patent 7 years
(Cl. D45—16)

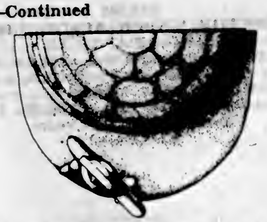
The ornamental design for a necklace or similar article, substantially as shown and described.

152,801
DESIGN FOR A FINDING FOR JEWELRY
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application December 10, 1948, Serial No. 150,075
Term of patent 7 years
(Cl. D45—1)

The ornamental design for a finding for jewelry, substantially as shown.

152,802
DESIGN FOR A BOOK END
Henry Edgar Kelley, Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky., a corporation of Delaware
Application April 15, 1947, Serial No. 138,415
Term of patent 3½ years
(Cl. D33—1)

152,802—Continued



The ornamental design for a book end, as shown.

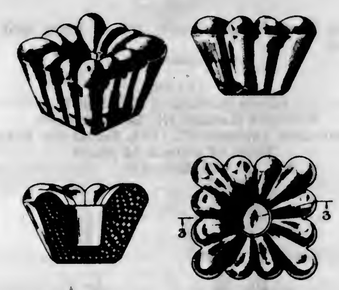
152,803
DESIGN FOR A NECKTIE
Nickolas Keramaris, Detroit, Mich.
Application January 27, 1948, Serial No. 144,076
Term of patent 14 years
(Cl. D3—16)

The ornamental design for a necktie, as shown.

152,804
DESIGN FOR A GLASS CANDLE HOLDER OR SIMILAR ARTICLE
Horace King, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application June 14, 1947, Serial No. 139,682
Term of patent 14 years
(Cl. D48—2)

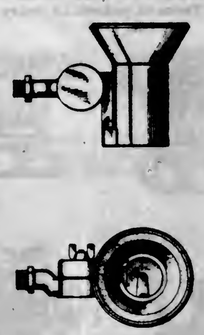
The ornamental design for a glass candle holder or similar article, substantially as shown.

152,805
DESIGN FOR A GLASS CANDLE HOLDER OR SIMILAR ARTICLE
Horace King, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application June 14, 1947, Serial No. 139,683
Term of patent 14 years
(Cl. D48—2)



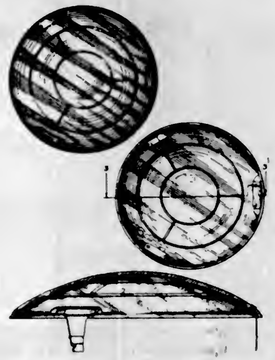
The ornamental design for a glass candle holder or similar article, substantially as shown.

152,806
DESIGN FOR A FLOODLIGHT HOLDER
William H. Klein, Great Neck, N. Y., assignor to The Franklin Company, a firm composed of Henry Henricksen, William H. Klein, and Erasmo E. Spagnoli, Woodside, N. Y.
Application January 21, 1948, Serial No. 143,946
Term of patent 3½ years
(Cl. D48—20)



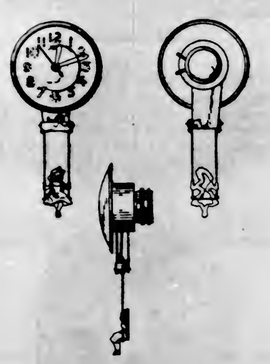
The ornamental design for a floodlight holder, as shown.

152,807
DESIGN FOR A FOG LENS
Bernard L. Latousek, Los Angeles, Calif.
Application May 14, 1947, Serial No. 139,035
Term of patent 7 years
(Cl. D48—32)



The ornamental design for a fog lens, as shown and described.

152,808
DESIGN FOR A CLOCK
Ben Lerman, Chicago, Ill., assignor to Mastercrafters Clock & Radio Co., Chicago, Ill., a corporation of Illinois
Application August 23, 1948, Serial No. 148,259
Term of patent 14 years
(Cl. D42—7)

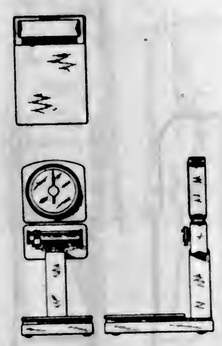


The ornamental design for a clock, substantially as shown.

152,809
DESIGN FOR A PRESSURE CONTROL REGULATOR
Wilbur J. MacCauley, Santa Monica, Calif., assignor to H. E. Lynn & Company, Inc., Santa Monica, Calif., a corporation of California
Application September 16, 1947, Serial No. 141,443
Term of patent 14 years
(Cl. D78—1)

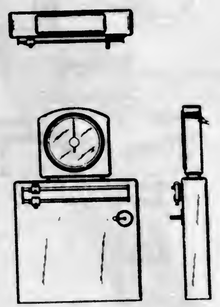
The ornamental design for a pressure control regulator, substantially as shown.

152,810
DESIGN FOR A WEIGHING SCALE
Leonard Maguire, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1946, Serial No. 135,825
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a weighing scale, substantially as shown.

152,811
DESIGN FOR A WEIGHING SCALE
Leonard Maguire, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application December 28, 1946, Serial No. 135,826
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a weighing scale, substantially as shown.

152,812
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,004
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

152,813
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,005
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

152,814
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,006
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

152,815
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,007
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

152,816
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,008
Term of patent 14 years
(Cl. D16—2)

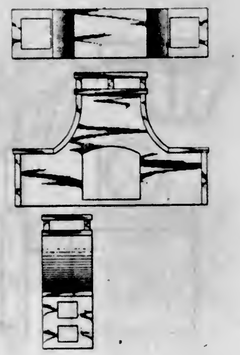
The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

152,817
DESIGN FOR A PORTABLE FIRE EXTINGUISHER OR SIMILAR ARTICLE
Daniel Mapes, West Caldwell, N. J.
Application March 9, 1948, Serial No. 145,009
Term of patent 14 years
(Cl. D16—2)

The ornamental design for a portable fire extinguisher or similar article, substantially as shown.

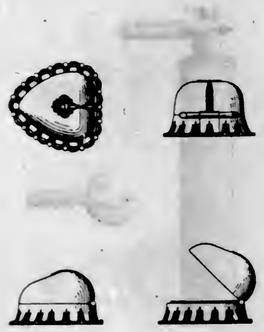
152,818

152,813
DESIGN FOR A MULTIPLE FIREPLACE FOR OUTDOOR USE
William V. Maselli, Woodbridge, Conn.
Application August 23, 1947, Serial No. 141,028
Term of patent 14 years
(Cl. D81—10)



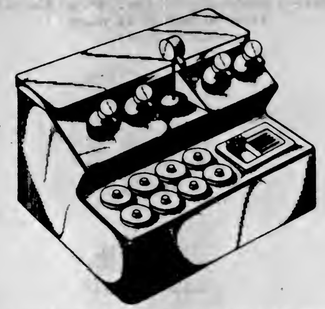
The ornamental design for a multiple fireplace for outdoor use, substantially as shown.

152,814
DESIGN FOR A BOX OR THE LIKE
Henry P. McGovern, Fayville, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application March 28, 1947, Serial No. 138,016
Term of patent 3½ years
(Cl. D53—13)



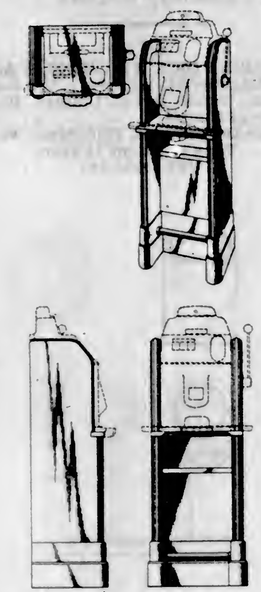
The ornamental design for a box or the like, substantially as shown.

152,815
DESIGN FOR A TOY SODA FOUNTAIN
Stephen P. Mideuhas, Bristol, Pa.
Application May 23, 1947, Serial No. 139,227
Term of patent 7 years
(Cl. D34—15)



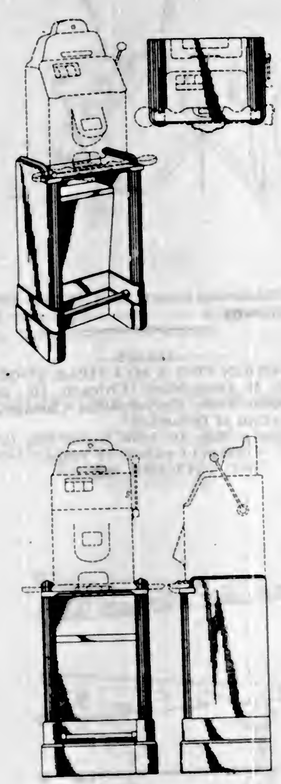
The ornamental design for a toy soda fountain, as shown.

152,816
DESIGN FOR A COIN OPERATED AMUSEMENT MACHINE OR THE LIKE
Emery Mihalek, Chicago, Ill., assignor to O. D. Jennings & Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 140,918
Term of patent 14 years
(Cl. D52—3)



The ornamental design for a coin operated amusement machine or the like, as shown and described.

152,817
DESIGN FOR A COIN OPERATED AMUSEMENT MACHINE OR THE LIKE
Emery Mihalek, Chicago, Ill., assignor to O. D. Jennings & Company, Chicago, Ill., a corporation of Illinois
Application August 16, 1947, Serial No. 140,919
Term of patent 14 years
(Cl. D52—3)

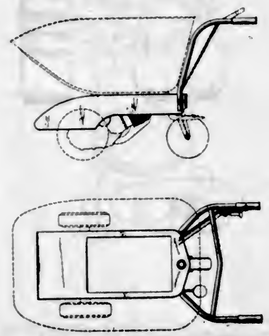


The ornamental design for a coin operated amusement machine or the like, as shown and described.

152,818
DESIGN FOR A VENETIAN BLIND SLAT
Harry Nelson, New York, N. Y., assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y., a corporation of New York
Application April 27, 1946, Serial No. 129,028
Term of patent 14 years
(Cl. D21—6)

The ornamental design for a Venetian blind slat, substantially as shown.

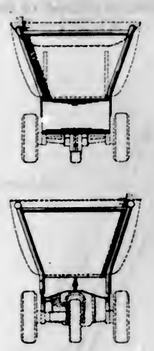
152,819
DESIGN FOR A VEHICLE FRAME
Roy A. Noble, Lewiston, and Wallace I. Youngs, Buffalo, N. Y., assignors to Bell Aircraft Corporation, Wheatfield, N. Y.
Application February 5, 1947, Serial No. 136,698
Term of patent 14 years
(Cl. D14—3)



substantially as shown.

described.

152,819—Continued

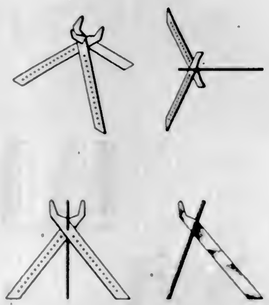


The ornamental design for a vehicle frame, as shown and described.

152,820
DESIGN FOR A BOTTLE
Leo G. Nunes, New York, N. Y., assignor to Conti Products Corporation, Brooklyn, N. Y., a corporation of New York
Application January 18, 1947, Serial No. 136,251
Term of patent 14 years
(Cl. D58—6)

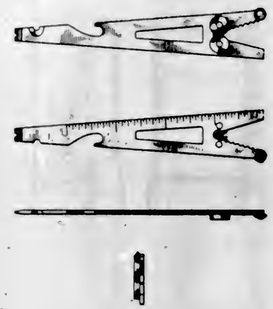
The ornamental design for a bottle, as shown.

152,821
DESIGN FOR A RINGTOSS GAME TARGET
James R. O'Neil, San Francisco, Calif.
Application April 14, 1947, Serial No. 138,387
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a ringtoss game target, as shown.

152,822
DESIGN FOR A MULTIPLE TOOL
Ellsworth B. Overshiner, Chicago, Ill., assignor to Electra Voice Corporation, Chicago, Ill., a corporation of Delaware
Application May 10, 1946, Serial No. 129,551
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a multiple tool, as shown.

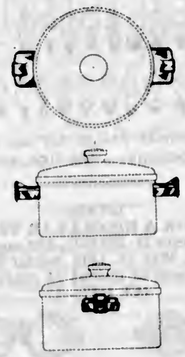
152,823
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marie L. Petit, New York, N. Y.
Application November 30, 1948, Serial No. 149,876
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,824
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marie L. Petit, New York, N. Y.
Application November 30, 1948, Serial No. 149,877
Term of patent 3½ years
(Cl. D45—19)

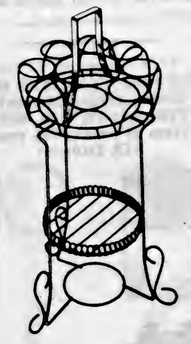
The ornamental design for a brooch or similar article, substantially as shown.

152,825
DESIGN FOR A COOKING VESSEL
Kirk E. Porter, Wooster, Ohio, assignor to The Buckeye Aluminum Company
Application November 7, 1946, Serial No. 134,574
Term of patent 3½ years
(Cl. D44—1)



The ornamental design for a cooking vessel, substantially as shown and described.

152,826
DESIGN FOR A STAND FOR PITCHER AND DRINKING GLASS SET
Steve Raysik, Kansas City, Mo.
Application June 9, 1947, Serial No. 139,536
Term of patent 14 years
(Cl. D35—3)



The ornamental design for a stand for pitcher and drinking glass set, as shown.

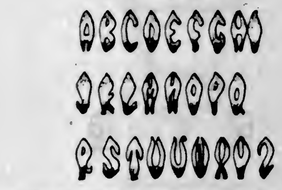
The ornamental design for a bottle, as shown.

The ornamental design for a multiple tool, as shown.

The ornamental design for a brooch or similar article, substantially as shown.

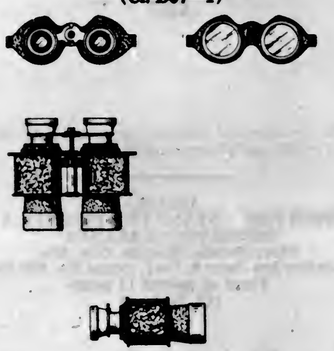
The ornamental design for a stand for pitcher and drinking glass set, as shown.

152,827
DESIGN FOR AN ALPHABET FOR FORMING MONOGRAMS OR THE LIKE
Salvador Reynoso, Chicago, Ill.
Application October 5, 1946, Serial No. 133,794
Term of patent 3½ years
(Cl. D64—12)



The ornamental design for an alphabet for forming monograms or the like, as shown.

152,828
DESIGN FOR A BINOCULAR TELESCOPE
Benjamin D. Rithois, Chicago, Ill.
Application May 23, 1947, Serial No. 139,235
Term of patent 14 years
(Cl. D57—1)



The ornamental design for a binocular telescope, as shown.

152,829
DESIGN FOR A DRAWER HANDLE
Alvin S. Rummelsburg, Hempstead, N. Y.
Application February 19, 1948, Serial No. 144,598
Term of patent 3½ years
(Cl. D10—8)

The ornamental design for a drawer handle, substantially as shown.

152,830
DESIGN FOR A PAJAMA SUIT OR SIMILAR ARTICLE
Herman A. Russian, New Haven, Conn.
Application July 3, 1948, Serial No. 147,381
Term of patent 7 years
(Cl. D3—17)

The ornamental design for a pajama suit or similar article, as shown and described.

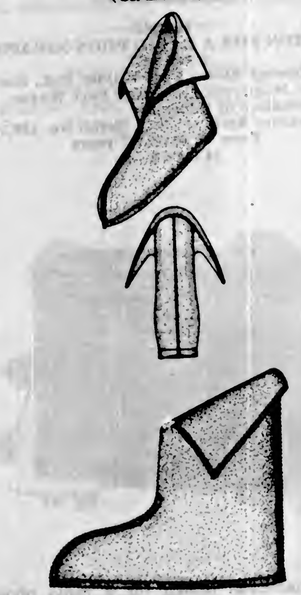
152,831
DESIGN FOR A DISH OR THE LIKE
Joseph G. Saba, Brookline, Mass.
Application June 10, 1947, Serial No. 139,570
Term of patent 3½ years
(Cl. D36—4)

The ornamental design for a dish or the like, as shown and described.

152,832
DESIGN FOR A BABY'S HIGH CHAIR
David I. Scharaga, Mount Vernon, N. Y.
Application June 2, 1947, Serial No. 139,409
Term of patent 14 years
(Cl. D15—8)

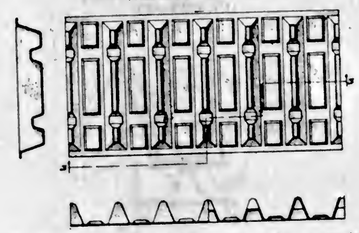
The ornamental design for a baby's high chair, substantially as shown.

152,833
DESIGN FOR A FELT BOOT
Norma I. Scheu, Los Angeles, Calif.
Application November 18, 1946, Serial No. 134,863
Term of patent 14 years
(Cl. D7—7)



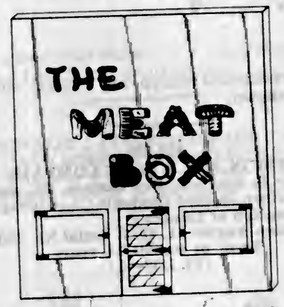
The ornamental design for a felt boot, as shown.

152,834
DESIGN FOR PACKING MATERIAL FOR FRAGILE ARTICLES
Ernest L. Shepard, Fairfield, Maine
Application August 15, 1946, Serial No. 132,557
Term of patent 14 years
(Cl. D58—16)



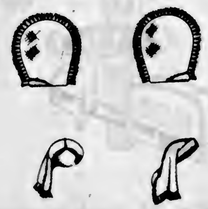
The ornamental design for packing material for fragile articles, as shown.

152,835
DESIGN FOR A STORE FRONT
Ben L. Snyder, Tucson, Ariz.
Application August 15, 1947, Serial No. 140,893
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a store front, substantially as shown.

152,836
DESIGN FOR A HAT
Harold H. Stahl, New York, N. Y.
Application April 30, 1947, Serial No. 138,695
Term of patent 3½ years
(Cl. D3—13)



The ornamental design for a hat, substantially as shown.

152,843

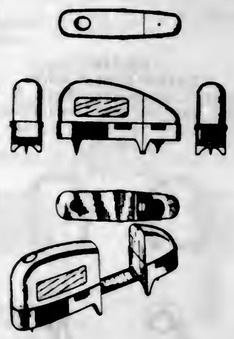
The ornamental design for a drawer handle, substantially as shown.

The ornamental design for a dish or the like, as shown and described.

152,837
DESIGN FOR A CHAIR
James R. Staudt and Rochelle E. Goddard, Fort Worth, Tex.; said Staudt assignor to said Goddard
Application October 28, 1946, Serial No. 134,339
Term of patent 14 years
(Cl. D15—1)

The ornamental design for a chair, substantially as shown.

152,838
DESIGN FOR A BEAM COMPASS
Alexander F. Stephen, Des Plaines, Ill., assignor to American Molded Products Co., Chicago, Ill., a corporation of Illinois
Application August 14, 1947, Serial No. 140,876
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a beam compass, substantially as shown.

152,839
DESIGN FOR A RADIO PHONOGRAPH CABINET
Leland George Stone, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application February 20, 1947, Serial No. 137,052
Term of patent 7 years
(Cl. D56—4)

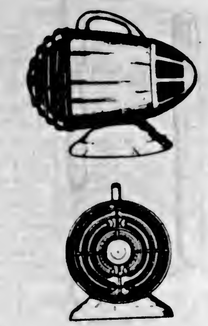
The ornamental design for a radio phonograph cabinet, substantially as shown and described.

152,840
DESIGN FOR A RADIO PHONOGRAPH CABINET
Leland George Stone, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application April 30, 1947, Serial No. 138,701
Term of patent 7 years
(Cl. D56—4)

The ornamental design for a radio phonograph cabinet, substantially as shown and described.

The ornamental design for a felt boot, as shown.

152,841
DESIGN FOR AN ELECTRIC AIR HEATER
Frank W. Thompson, New Haven, and Robert M. Davies, West Haven, Conn., assignors to Kenmildon Inc., a corporation of Delaware
Application November 4, 1947, Serial No. 142,298
Term of patent 14 years
(Cl. D81—10)

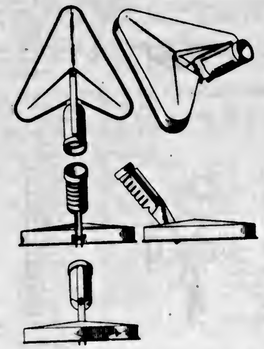


The ornamental design for an electric air heater, substantially as shown and described.

152,842
DESIGN FOR A DOLL
Bertha Wagner, Rye, N. Y.
Application April 19, 1947, Serial No. 138,490
Term of patent 7 years
(Cl. D34—4)

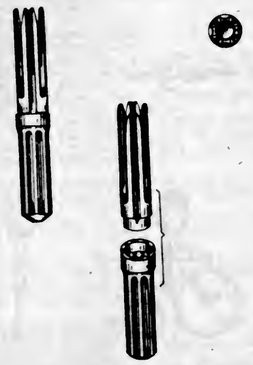
The ornamental design for a doll, as shown.

152,843
DESIGN FOR A COMBINATION MOP HEAD AND HANDLE SOCKET
Franz Wagner, Chicago, Ill., assignor to O-Cedar Corp'n, Chicago, Ill., a corporation of Illinois
Application January 21, 1948, Serial No. 143,956
Term of patent 14 years
(Cl. D9—2)



The ornamental design for a combination mop head and handle socket, as shown.

152,844
DESIGN FOR A COMBINED HAIR CURLER AND BOBBY PIN CONTAINER
Margaret Wajdik, New York, N. Y.
Application October 8, 1947, Serial No. 141,804
Term of patent 7 years
(Cl. D86—10)



The ornamental design for a combined hair curler and bobby pin container, substantially as shown and described.

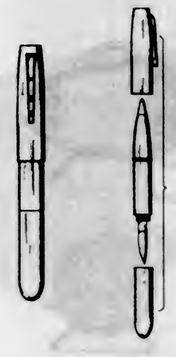
substantially as shown.

described.

152,845
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marvin J. Wakeman, Brooklyn, N. Y.
Application November 30, 1948, Serial No. 149,878
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,847
DESIGN FOR A COMBINATION BALL PEN AND KNIFE
Jacob M. Weiss, New York, N. Y.
Application October 21, 1947, Serial No. 142,052
Term of patent 14 years
(Cl. D74—17)



The ornamental design for a combination ball pen and knife, substantially as shown.

152,846
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Marvin J. Wakeman, Brooklyn, N. Y.
Application November 30, 1948, Serial No. 149,879
Term of patent 3½ years
(Cl. D45—19)

The ornamental design for a brooch or similar article, substantially as shown.

152,848
DESIGN FOR A COIN DISPENSER
Frederick A. Wetherill and Walter P. Staniszewski, Middletown, Mass.
Application April 9, 1947, Serial No. 138,258
Term of patent 3½ years
(Cl. D52—4)

The ornamental design for a coin dispenser, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

Abel & Bach, Inc., Milwaukee, Wis. Suitcases. Serial No. 543,373, Feb. 22. Class 3.

Aberle, Inc., Philadelphia, Pa. Hosiery. Serial No. 537,775, Feb. 22. Class 39.

Addressograph-Multigraph Corporation, Cleveland, Ohio. Frames for carrying printing plates and index tabs. Serial No. 531,874, Feb. 22. Class 23.

Airko Manufacturing Co.: *See*—
Air Konditioning Company, The.

Air Konditioning Company, The, Clermont, Fla., now by change of name Airko Manufacturing Co. Composition containing diatomaceous earth. Serial No. 556,752, Feb. 22. Class 6.

Aktieselskabet Lagerman Junr., Glostrup, Denmark. Pectorals and throat tablets. Serial No. 548,224, Feb. 22. Class 6.

Allied Laboratories Limited, London, England. Medicated preparations in tablet form. Serial No. 535,919, Feb. 22. Class 6.

Altman, B., & Co., New York, N. Y. Canes and umbrellas. Serial No. 570,179, Feb. 22. Class 41.

American Air Filter Company, Inc., Louisville, Ky. Non-oily viscous liquids. Serial No. 562,005, Feb. 22. Class 6.

American Chewing Products Corp., Newark, N. J. Chewing gum. Serial No. 534,405, Feb. 22. Class 46.

American Extruded Products Co., Hollywood, Calif. Plastic members formed by extrusion in the form of rigid or semi-rigid sheets, rods, bars, etc. Serial No. 503,543, Feb. 22. Class 1.

American Fork and Hoe Company, The, Cleveland, Ohio. Axes, hammers, hatchets, etc. Serial No. 506,222, Feb. 22. Class 23.

American Perfit Crystal Corporation, New York, N. Y. Watch crystals. Serial No. 549,616, Feb. 22. Class 33.

Andresen Corporation, Chicago, Ill. Mixture of aggregate bonded with asphalt. Serial No. 513,285, Feb. 22. Class 12.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Bath salts, toilet water, talcum powder, etc. Serial No. 545,936, Feb. 22. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Liquid and cream foundations. Serial No. 550,768, Feb. 22. Class 6.

Ariens Company, Brillion, Wis. Machines for preparing, tilling and cultivating soil. Serial No. 532,190, Feb. 22. Class 23.

Armour and Company, Chicago, Ill. Strings for beads. Serial No. 528,669, Feb. 22. Class 28.

Armour and Company, Chicago, Ill. Strings for beads. Serial No. 528,673, Feb. 22. Class 28.

Associated Merchandising Corporation, The, New York, N. Y. Necklaces. Serial No. 546,544, Feb. 22. Class 28.

Avon Products, Inc., New York, N. Y. Perfume, toilet water, compacts. Serial No. 536,575, Feb. 22. Class 6.

Bastian-Blessing Company, The, Chicago, Ill. Self-contained fire extinguisher valves, valve reseating tools, re-threading dies, etc. Serial No. 528,686, Feb. 22. Class 23.

Belk-Stevens Company, Winston-Salem, N. C. Men's and boys' overalls. Serial No. 519,917, Feb. 22. Class 39.

Bell Chemical Co., Chicago, Ill. Rat paste. Serial No. 545,327, Feb. 22. Class 6.

Bell Industries, Inc., Chicago, Ill. Ornamental balls. Serial No. 522,730, Feb. 22. Class 50.

Bemis Bro. Bag Company, St. Louis, Mo. Paper bags. Serial No. 526,845, Feb. 22. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. Serial No. 526,857, Feb. 22. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags and sacks. Serial No. 526,860, Feb. 22. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. Serial No. 526,874, Feb. 22. Class 2.

Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. Serial No. 526,889, Feb. 22. Class 2.

Bengue & Co. Ltd., Mount Pleasant, Alperton, Middlesex, England. Vitamin adjuvant preparation in tablet form. Serial No. 548,233, Feb. 22. Class 6.

Best, Richard, Pencil Company, Inc., Springfield, N. J. Lead pencils. Serial No. 537,968, Feb. 22. Class 37.

Betan Company: *See*—
Vernon and Vermont Pharmacy.

Better Buy Wholesale Grocers, Fresno, Calif. Brooms. Serial No. 522,187, Feb. 22. Class 29.

Bindillo, Nick, Baton Rouge, La. Liquid hair and scalp conditioner. Serial No. 548,915, Feb 22. Class 6.

Black Hills Bentonite, Inc., Moorcroft, Wyo. Bentonite. Serial Nos. 549,114–15, Feb. 22. Class 1.

Blakeslee, G. S., & Co., Chicago, Ill. Electrically powered dish washing machines, and glass washing machines, electrically powered food mixing machines, etc. Serial No. 531,193, Feb. 22. Class 23.

Boker, H. & Co., Inc., New York, N. Y. Pocket knives. Serial No. 522,391, Feb. 22. Class 23.

Boye Needle Company, The, Chicago, Ill. Phonograph needles. Serial No. 539,805, Feb. 22. Class 36.

Brendlin-Rice and Company, San Luis Obispo, Calif. Fresh vegetables and frozen vegetables. Serial No. 538,350, Feb. 22. Class 39.

Brenner, Robert, doing business as Raybrand Textile Company, New York, N. Y. Piece goods. Serial No. 557,175, Feb. 22. Class 42.

Briton Brush Company Limited, The, Wymondham, England. Brushes and brooms, toilet brushes, paint and varnish brushes, etc. Serial No. 537,977, Feb. 22. Class 29.

Brown & Bigelow, St. Paul, Minn. Playing cards. Serial No. 560,181, Feb. 22. Class 22.

Brown, G. H., Specialty Co., Des Moines, Iowa. Aspirin tablets. Serial No. 555,149, Feb. 22. Class 6.

Bryson, Newall M.: *See*—
Pallet Engineering Company.

Buffington's, Incorporated, Worcester, Mass. Injectable medicinal solution. Serial No. 551,514, Feb. 22. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal preparation. Serial No. 551,515, Feb. 22. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal tablet. Serial No. 551,516, Feb. 22. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal ointment. Serial No. 551,517, Feb. 22. Class 6.

Buffington's, Incorporated, Worcester, Mass. Medicinal tablet. Serial No. 551,518, Feb. 22. Class 6.

Cabot, Godfrey L., Inc., Boston, Mass. Liquid obtained from pine wood by distillation. Serial No. 540,773, Feb. 22. Class 6.

Capital City Products Company, The, Columbus, Ohio. Hydrogenated whole cocoanut oil. Serial No. 544,848, Feb. 22. Class 46.

Cardinal Chemical Corporation, Newark, N. J. Lubricating oils. Serial No. 536,498, Feb. 22. Class 15.

Case, W. A., and Son Manufacturing Company, Buffalo, N. Y. Plumbing fixtures. Serial No. 536,763, Feb. 22. Class 13.

Cates, Chas. F., & Sons, Inc., Faison, N. C. Pickles. Serial No. 544,053, Feb. 22. Class 46.

Chain Belt Company, Milwaukee, Wis. Food processing machines and equipment. Serial No. 487,308, Feb. 22. Class 23.

Charmette Fabrics Company, Inc., New York, N. Y. Tricot knit jersies in the piece. Serial No. 522,727, Feb. 22. Class 42.

Chickasha Milling Company, Chickasha, Okla. Hard wheat flour. Serial No. 535,482, Feb. 22. Class 46.

Ciba Pharmaceutical Products, Inc., Summit, N. J. Estrogenic compound. Serial No. 560,448, Feb. 22. Class 6.

Clark, W. H., Fruit Company, Jacksonville, Fla. Fresh citrus fruits. Serial No. 539,134, Feb. 22. Class 39.

Climax Beverage Company: *See*—
Home Brewing Company, Inc

Cochrane, George S. W., Minneapolis, Minn. Lubricating oil and grease. Serial No. 521,325, Feb. 22. Class 15.

Concord Recordings: *See*—
Lane, Dorothy.

Conkey, G. E., Co., assignee: *See*—
Conkey, G. E., Company, The.

Conkey, G. E., Company, The, assignor to G. E. Conkey Co., Cleveland, Ohio. Vermifuge for poultry. Serial No. 545,824, Feb. 22. Class 6.

Consolidated Retail Stores, Inc., St. Louis, Mo. Shoes. Serial No. 527,703, Feb. 22. Class 39.

Consolidated Royal Chemical Corporation, Chicago, Ill. Medicines. Serial No. 544,977, Feb. 22. Class 6.

Coopers International Union of North America, Boston, Mass. Wooden barrels. Serial No. 537,015, Feb. 22. Class 2.

Coxhead, Ralph C., Corporation, New York, N. Y. Office composing machines and repair parts therefor. Serial No. 531,653, Feb. 22. Class 23.

Crawford Manufacturing Co., Inc., Richmond, Va. Hassocks and slip covers. Serial No. 548,241, Feb. 22. Class 32.

Crescent Company, Inc., The, Pawtucket, R. I. Battery cables. Serial Nos. 547,707–8 Feb. 22. Class 21.

Dannenberg, Susz B., doing business as "Susz," Los Angeles, Calif. Sweaters. Serial No. 521,382, Feb. 22. Class 39.

Dearborn Glass Company, Chicago, Ill. Glass wall tile. Serial No. 546,091, Feb. 22. Class 12.

Deere & Company, Moline, Ill. Tractors. Serial No. 501,902, Feb. 22. Class 23.

Delavelle (G. B.) Limited, London N. 1, England. Perfumes, toilet waters, preparations for the hair, etc. Serial No. 541,521, Feb. 22. Class 6.

Deodor-X Company of England Limited, Liverpool, England. Pharmaceutical, veterinary, and sanitary substances. Serial No. 547,518, Feb. 22. Class 6.

Diamnod Chain Company, Inc., Indianapolis, Ind. Power transmission chains and parts thereof. Serial No. 526,532, Feb. 22. Class 23.

Knebler Brewing Company, Inc., Easton, Pa. Ale. Serial

Pallet Engineering Company, assignor to N. M. Bryson, Calif. Metal bridge ramps and wooden

Diamond Power Specialty Corporation, Detroit, Mich. Television transmitting and receiving apparatus. Serial No. 539,035, Feb. 22. Class 21.

Dictograph Products Company, Inc., New York, N. Y. Electrical hearing aids. Serial No. 555,995, Feb. 22. Class 44.

Diversey Corporation, The, Chicago, Ill. Cleaning compound. Serial No. 557,734, Feb. 22. Class 4.

Douglas Laboratories, Inc., Boston, Mass. Amino acid preparation. Serial Nos. 534,418–19, Feb. 22. Class 6.

Dow Chemical Company, The, Midland, Mich. Ion exchange resins. Serial No. 563,245, Feb. 22. Class 6.

Doyle Packing Company, Los Angeles, Calif. Canned dog food. Serial No. 544,428, Feb. 22. Class 46.

Ductile Chrome Process Co., Detroit, Mich. Chromium plating. Serial No. 550,396, Feb. 22. Class 55.

Dunlop Tire and Rubber Corporation, Buffalo, N. Y. Tennis and badminton rackets. Serial No. 551,094, Feb. 22. Class 22.

Dynamatic Corporation, Kenosha, Wis. Electro-magnetic clutches or couplings. Serial No. 527,309, Feb. 22. Class 21.

Eastern Amplifier Corporation, New York, N. Y. Radio-receiving sets, radio-transmitting sets, television-receiving sets, etc. Serial No. 489,950, Feb. 22. Class 21.

Eastmen Oil Well Survey Company, Denver, Colo. Oil well tools. Serial No. 507,674, Feb. 22. Class 23.

Elam Mills, Inc., Chicago, Ill. Whole wheat flour, whole wheat meal, whole corn meal, etc. Serial No. 542,216, Feb. 22. Class 46.

Electric Specialty Company, Incorporated, Stamford, Conn. Direct and alternating current motors, generators, motor-generators, etc. Serial No. 536,510, Feb. 22. Class 21.

Eureka Williams Corporation, Bloomington, Ill. Waste food disposers. Serial No. 529,616, Feb. 22. Class 21.

Far Eastern Manufacturing Co., Long Island City, N. Y. Shredded coconut. Serial No. 531,320, Feb. 22. Class 46.

Farm Minerals Company, Inc., The, Indianapolis, Ind. Mineral and like additions. Serial No. 549,428, Feb. 22. Class 6.

Farmers Exchange, Inc., Onley, Va. Fresh vegetables. Serial No. 516,541, Feb. 22. Class 46.

Federal Underwriters, Dallas, Tex. Hotel management. Serial No. 526,995, Feb. 22. Class 55.

Fifty-Fifty Manufacturing Co.: *See*—
Tisio, Vincent.

Fine Woolen Company, Limited, London, England. Piece goods. Serial No. 526,562, Feb. 22. Class 42.

Flocker, John, and Company, Pittsburgh, Pa. Fiber rope and twine. Serial No. 527,617, Feb. 22. Class 7.

Fougera, E., & Company, Inc., New York, N. Y. Liquid used in X-ray and Roentgen ray photography. Serial No. 548,357, Feb. 22. Class 6.

Frank, Jesse H., Philadelphia, Pa. Boys' wash suits. Serial No. 539,036, Feb. 22. Class 39.

Galvin Manufacturing Corporation: *See*—
Motorola, Inc.

Geigy Company, Inc., New York, N. Y. Dyestuffs. Serial No. 533,159, Feb. 22. Class 6.

Ginsberg Machine Co., Inc., New York, N. Y. Cutting board pins. Serial No. 521,734, Feb. 22. Class 23.

Glidden Company, The, Cleveland, Ohio. Flotation oils, pine oils, and pine tar oil. Serial No. 558,135, Feb. 22. Class 6.

Golden State Packing Corporation, Long Beach, Calif., assignee of R. O. Gruwell, Jr., doing business as Golden State Sea Foods Co. Canned mackerel. Serial No. 469,676, Feb. 22. Class 46.

Grancell, Paul, doing business as Paul Grancell Co., Los Angeles, Calif. Rotatable spatula. Serial No. 532,288, Feb. 22. Class 23.

Grancell, Paul, Co.: *See*—
Grancell, Paul.

Gray Company, Inc., Minneapolis, Minn., assignor to Gray Company, Inc. Treadle, hand, air and/or mechanically operated cleaning machines. Serial No. 490,589, Feb. 22. Class 23.

Greif Bros. Cooperage Corporation, The, Cleveland, Ohio. Barrels and drums. Serial No. 533,561, Feb. 22. Class 2.

Gruwell, Robert O., Jr.: *See*—
Golden State Packing Corporation.

Guenther, C. H., & Son, Inc., doing business as Pioneer Flour Mills, San Antonio, Tex. Wheat flour. Serial No. 539,318, Feb. 22. Class 46.

Gulf & West Indies Co., Inc., New York, N. Y. Sponges. Serial No. 547,991, Feb. 22. Class 1.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric-lighting fixtures. Serial No. 527,019, Feb. 22. Class 21.

Guth, Edwin F., Company, The, St. Louis, Mo. Electric lighting fixtures. Serial No. 527,024, Feb. 22. Class 21.

H. M. H. Co., The, Pawtucket, R. I. Religious articles of jewelry. Serial No. 532,221, Feb. 22. Class 28.

Haase, Wilbert W., doing business as Winnebago Steel Products Company, Fond du Lac, Wis. Concrete burial vault hoist apparatus. Serial No. 530,066, Feb. 22. Class 23.

Hall & Ruckel, Inc., New York, N. Y. Skin lotion. Serial No. 553,853, Feb. 22. Class 6.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear for men, women, and children, and children's sleepers. Serial No. 537,184, Feb. 22. Class 39.

Hanes, P. H., Knitting Company, Winston-Salem, N. C. Knit and woven underwear for men, women, and children, and children's sleepers. Serial No. 537,186, Feb. 22. Class 39.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Children's bicycles. Serial No. 524,978, Feb. 22. Class 22.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Children's bicycles. Serial No. 524,982, Feb. 22. Class 22.

Harris, D. P., Hardware & Manufacturing Co., Inc., New York, N. Y. Children's bicycles. Serial No. 524,984, Feb. 22. Class 22.

Hauck Mfg. Co., Inc., Portland, Oreg. Mouse traps. Serial No. 532,023, Feb. 22. Class 50.

Herb Farm Shop, Ltd., The, Elizabeth, N. J. Skin lotion. Serial No. 541,824, Feb. 22. Class 6.

Hercules Powder Company, Wilmington, Del. Hydroabietyl alcohol. Serial No. 557,356, Feb. 22. Class 6.

Hermanos, Sanchez Romate, S. A., Jerez de la Frontera, Spain. Whiskey, gin, rum, etc. Serial No. 515,761, Feb. 22. Class 49.

Hieber, William S., doing business as Henri Monet, Atlanta, Ga. Perfumes. Serial No. 503,198, Feb. 22. Class 6.

Hill Packing Company, Topeka, Kans. Dog food. Serial Nos. 535,526–7, Feb. 22. Class 46.

Hirsch, E. D., Associates, Inc.: *See*—
Hirsch Shirt Corporation.

Hirsch Shirt Corporation, Chicago, Ill., assignor to E. D. Hirschand Associates, Inc. Men's and boys' dress, negligee, and sport shirts, and men's and boys' underwear and pajamas. Serial No. 523,220, Feb. 22. Class 39.

Hogan, C. T., & Company, Inc., New York, N. Y. Fabricated insulating barries and materials. Serial No. 541,840, Feb. 22. Class 12.

Holland-American Wafer Company, Grand Rapids, Mich. Sugar wafers. Serial No. 541,298, Feb. 22. Class 46.

Home Brewing Company, Inc., doing business as Climax Beverage Company, Richmond, Va. Maltless soft drinks and carbonated waters. Serial No. 528,794, Feb. 22. Class 45.

Hospital Specialty Company, The, Cleveland, Ohio. Sanitary napkins. Serial No. 555,099, Feb. 22. Class 44.

Huber, J. M., Corporation, Locust, N. J., and New York, N. Y. Printing inks. Serial No. 534,630, Feb. 22. Class 11.

Imperial Minerals, Inc., Denver, Colo. Dietary mineral feed supplement for live stock and poultry. Serial No. 542,135, Feb. 22. Class 6.

Industrial Molded Products Co., Inc., Chicago, Ill. Molded plastic articles. Serial No. 515,226, Feb. 22. Class 21.

Industrial Television, Inc., Clifton, N. J. Television receivers. Serial No. 547,126, Feb. 22. Class 21.

Insul-Wool Insulation Corp., Wichita, Kans. Thermal insulating material. Serial No. 551,976, Feb. 22. Class 12.

Interchemical Corporation, New York, N. Y. Printing inks and offset compounds. Serial No. 534,784, Feb. 22. Class 11.

Interchemical Corporation, New York, N. Y. Protein hydrolysates. Serial No. 556,100, Feb. 22. Class 6.

International Silver Company, The, Meriden, Conn. Silver-plated hollow-ware. Serial No. 543,455, Feb. 22. Class 28.

International Silver Company, The, Meriden, Conn. Silver-plated hollow-ware. Serial No. 543,931, Feb. 22. Class 28.

Jaeger Machine Company, The, Columbus, Ohio. Construction machines. Serial No. 530,937, Feb. 22. Class 23.

Jardine, Inc.: *See*—
Jardine Liquor Corporation.

Jardine Liquor Corporation, New York, assignor to Jardine, Inc., Maspeth, Long Island, N. Y. Rum. Serial No. 535,532, Feb. 22. Class 49.

Jardine Liquor Corporation, New York, assignor to Jardine, Inc., Maspeth, Long Island, N. Y. Rum. Serial No. 541,306, Feb. 22. Class 49.

Jenkin-Guernin Inc., St. Louis, Mo. Lubricating oils and greases. Serial No. 527,420, Feb. 22. Class 15.

Jimenes, Antonio L., Almeria, Spain. Perfumes, colognes, and toilet waters. Serial No. 542,321, Feb. 22. Class 6.

Johnson, Stephens and Shinkle Shoe Company, St. Louis, Mo. Shoes. Serial No. 527,343, Feb. 22. Class 39.

Joyce-Cridland Co., The, Dayton, Ohio. Lifting mechanisms. Serial No. 536,093, Feb. 22. Class 23.

Kappa Alpha Order, The, Louisville, Ky. Cigarette cases, cigarette lighters, cuff links, etc. Serial No. 535,243, Feb. 22. Class 28.

Karter Chemical Company: *See*—
Perlmutter, Al.

Kelmar Corporation, Milwaukee, Wis. Toy pistols. Serial No. 521,015, Feb. 22. Class 22.

Knickerbocker Rubber Company, Chicago, Ill. Shampoo sprays, bath sprays, and faucet strainers. Serial No. 531,487, Feb. 22. Class 13.

Koehring Company, Milwaukee, Wis. Concrete mixing and paving machines. Serial No. 530,518, Feb. 22. Class 23.

Kuebler Brewing Company, Inc., Easton, Pa. Ale. Serial No. 521,452, Feb. 22. Class 48.

Lambda Sigma Fraternity, Philadelphia, Pa. Fraternity pin. Serial No. 552,991, Feb. 22. Class 28.

Lancome S. A., Paris, France. Creams and oils. Serial No. 522,143, Feb. 22. Class 6.

Lane, Dorothy, doing business as Concord Recordings, Chicago, Ill. Mechanically grooved musical recordings. Serial No. 536,621, Feb. 22. Class 36.

Lees & McVitty, Inc., Philadelphia, Pa. Leather. Serial No. 548,660, Feb. 22. Class 1.

Lyman-Ross Co.: *See*—
Patterson, Alexander R.

Lyon, Incorporated, Detroit, Mich. Cleaning fluid. Serial No. 523,400, Feb. 22. Class 4.

MacLachlan Hats Limited, Inc., South Norwalk, Conn. Men's, women's, and boys' fur felt hat. Serial No. 542,147, Feb. 22. Class 39.

Macwhyte Company, Kenosha, Wis. Wire rope. Serial No. 533,331, Feb. 22. Class 7.

Magnolia Chemical Co., Inc., Jackson, Mich. Pine oil. Serial No. 516,083, Feb. 22. Class 6.

Mahiques, Mary, New York, N. Y. Face cream and hair lotion. Serial No. 557,197, Feb. 22. Class 6.

Mahl Mfg. Co., Huntington Park, Calif. Floor furnaces. Serial No. 536,938, Feb. 22. Class 34.

Mallinckrodt Chemical Works, St. Louis, Mo. Acetaldehyde, acetamide, acetanilid, etc. Serial No. 526,920, Feb. 22. Class 6.

Maritime Petroleum Corporation, New York, N. Y. Gasoline, kerosene, lubricating oil and greases, etc. Serial No. 500,403, Feb. 22. Class 15.

Marshall, James (Devon), Limited, assignor to J. S. Marshall, Totnes, England. Candy. Serial No. 502,446, Feb. 22. Class 46.

Marshall, James S.: *See*—
Marshall, James (Devon), Limited.

Mastic Tile Corporation of America, Newburgh, N. Y. Asphalt floor tiles. Serial No. 542,148, Feb. 22. Class 20.

Meisinger Company, New York, N. Y. Dental burrs, dental arms, dental motors, etc. Serial No. 535,859, Feb. 22. Class 44.

Mendenhall, J. C., Medicine Co., Incorporated, Mt. Vernon, Ind. Alterative laxative. Serial No. 547,012, Feb. 22. Class 6.

Metropolitan Laundry Co., Inc., Seattle, Wash. Laundry service. Serial No. 527,031, Feb. 22. Class 55.

Meyer, Maximilian C., doing business as P M Game Company, New York, N. Y. Baseball game. Serial No. 498,569, Feb. 22. Class 22.

Michael, David, and Company, Incorporated, Philadelphia, Pa. Artificial vanilla flavor. Serial No. 543,954, Feb. 22. Class 46.

Michelson Manufacturing Company, Canton, Ill. Work clothing. Serial No. 530,544, Feb. 22. Class 39.

Michigan Chemical Corporation, St. Louis, Mo. Chemicals for pest control. Serial No. 502,911, Feb. 22. Class 6.

Milligan, John H., San Francisco, Calif. Cleaner can stand. Serial No. 525,011, Feb. 22. Class 13.

Minneapolis-Moline Power Implement Company, Minneapolis, Minn. Agricultural implements. Serial No. 528,359, Feb. 22. Class 23.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubbers and rubber overshoes. Serial No. 530,105, Feb. 22. Class 39.

Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Footwear. Serial No. 531,819, Feb. 22. Class 39.

Modern Melodies, Inc., Chicago, Ill. Mechanically grooved phonograph records. Serial No. 534,911, Feb. 22. Class 36.

Monet, Henri: *See*—
Hieber, William S.

Monsanto Chemical Company, St. Louis, Mo. Synthetic detergent compositions. Serial No. 557,862, Feb. 22. Class 4.

Motorola, Inc., Chicago, Ill., by change of name from Galvin Manufacturing Corporation. Space heater. Serial No. 522,613, Feb. 22. Class 34.

National Canine Products, Inc., New York and Brooklyn, N. Y. Foods for animals of the dog family. Serial No. 525,233, Feb. 22. Class 46.

Nelson Knitting Company, Rockford, Ill. Hosiery. Serial No. 532,153, Feb. 22. Class 39.

Northwestern Mutual Fire Association, Seattle, Wash. Fire, extended coverage, windstorm, riot and civil commotion, etc. Serial No. 529,680, Feb. 22. Class 55.

Oakite Products, Inc., New York, N. Y. Chemical compounds having water-softening qualities. Serial No. 548,674, Feb. 22. Class 6.

Ohio Bowling & Billiard Supply Co., The, Cleveland, Ohio. Bowling pins. Serial Nos. 551,132–3, Feb. 22. Class 22.

Okonite-Callender Cable Company, Incorporated, The, Paterson, N. J. Impregnating or filling compounds. Serial No. 530,116, Feb. 22. Class 21.

Orefraction Incorporated, Pittsburgh, Pa. Ceramic grinding bodies, and ceramic abrasive bodies. Serial No. 525,022, Feb. 22. Class 23.

P M Game Company: *See*—
Meyer, Maximilian C.

Pallet Engineering Company, assignor to N. M. Bryson, San Francisco, Calif. Metal bridge ramps and wooden loading pallets. Serial No. 539,735, Feb. 22. Class 50.

Paramount Pest Control Service, Oakland, Calif. Ant syrup, insect powder, moth spray, etc. Serial No. 501,925, Feb. 22. Class 6.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, eau de colognes, etc. Serial No. 556,467, Feb. 22. Class 6.

Parker Pen Company, The, Janesville, Wis. Writing ink. Serial No. 527,344, Feb. 22. Class 11.

Pate Oil Company, Milwaukee, Wis. Gasoline. Serial No. 535,606, Feb. 22. Class 15.

Patterson, Alexander R., doing business as Lyman-Ross Co., Seattle, Wash. Washing powder. Serial No. 514,964, Feb. 22. Class 4.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. Serial No. 549,657, Feb. 22. Class 6.

Perfumeria Floralia, S. A., Madrid, Spain. Cologne; hand, face and skin lotions; after-shaving lotion; etc. Serial No. 549,839, Feb. 22. Class 6.

Perlmutter, Al., doing businessas Karter Chemical Company, Detroit, Mich. Cough medicine. Serial No. 517,367, Feb. 22. Class 6.

Petti-Products Company: *See*—
Pettit, Frank.

Pettit, Frank, doing business as Petti-Products Company, Union, N. J. Holders for babies' nursing bottles. Serial No. 538,037, Feb. 22. Class 44.

Philadelphia and Reading Coal and Iron Company, The, Philadelphia, Pa. Coal. Serial No. 563,989, Feb. 22. Class 1.

Phillips-Jones Corporation, New York, N. Y. Sport shirts, pajamas and neckties. Serial No. 525,943, Feb. 22. Class 39.

Phillips-Jones Corporation, New York, N. Y. Men's collars, sport shirts, sport jackets, etc. Serial No. 525,945, Feb. 22. Class 39.

Pioneer Flour Mills: *See*—
Guenther, C. H., & Son, Inc.

Plessner, Paul, Company, The, Detroit, Mich. Preparation for use in the treatment of hypertension. Serial No. 552,005, Feb. 22. Class 6.

Polk & Friedlander Co., Chicago, Ill. Cleaning and glazing furs. Serial No. 528,816, Feb. 22. Class 55.

Powell & Campbell, Inc., New York, N. Y. Boots, shoes, sandals, etc. Serial No. 531,367, Feb. 22. Class 39.

Prairie States Oil & Grease Company, Danville, Ill. Antifreeze coolant. Serial No. 559,245, Feb. 22. Class 6.

Pratt & Wollman, Inc., New York, N. Y. Jewelry. Serial No. 548,993, Feb. 22. Class 28.

Premier Oil Refining Company of Texas, Longview, Tex. Lubricating oils. Serial No. 539,347, Feb. 22. Class 15.

Procter & Gamble Company, The, Cincinnati, Ohio. Sudsing detergent in paste form. Serial No. 530,563, Feb. 22. Class 4.

Quaker Oats Company, The, Chicago, Ill. Prepared baby food. Serial No. 530,681, Feb. 22. Class 46.

Quaker Rubber Corporation, Philadelphia, Pa. Hose and flange and joint sheet packing. Serial No. 554,604, Feb. 22. Class 35.

Quik-Seal, Inc., Kansas City, Mo. Sealing machines. Serial No. 528,817, Feb. 22. Class 23.

Quinn, William R., Houston, Tex. Grooved musical recordings. Serial No. 512,795, Feb. 22. Class 36.

Raxor Corporation, New York, N. Y. Mechanically grooved phonograph records and phonograph record albums. Serial No. 544,765, Feb. 22. Class 36.

Raybrand Textile Company: *See*—
Brenner, Robert.

Rayfel Hosiery Mills, Inc., Phoenixville, Pa. Ladies' hosiery. Serial No. 545,167, Feb. 22. Class 39.

Reflex Spark Plug Company, The, Cleveland, Ohio. Spark plugs. Serial No. 507,937, Feb. 22. Class 21.

Regal Drug Company, The, New Haven, Conn. Medical preparation. Serial No. 545,168, Feb. 22. Class 6.

Reliance Gauge Column Company, The, Cleveland, Ohio. Filling-liquids for liquid level gauge instruments. Serial No. 529,697, Feb. 22. Class 6.

Rex Cutlery Corporation, Irvington, N. J. Manicure implements. Serial No. 555,564, Feb. 22. Class 44.

Rite Tool, Inc., Fall River, Mass. Hand actuated tools. Serial No. 509,471, Feb. 22. Class 23.

Ritter Bros. Inc., New York, N. Y. Ladies' mink coats. Serial No. 563,009, Feb. 22. Class 39.

Rohm & Haas Company, Philadelphia, Pa. Resin suspensions or dispersions. Serial No. 552,803, Feb. 22. Class 6.

Rohm & Haas Company, Philadelphia, Pa. Synthetic organic chemicals. Serial No. 559,325, Feb. 22. Class 6.

Ruskin Vegetable Distributors, Ruskin, Fla. Fresh vegetables. Serial No. 517,200, Feb. 22. Class 46.

Russell Industries, Inc., Bridgeville, Pa. Asphaltic paving material. Serial No. 522,306, Feb. 22. Class 12.

Ruth, Paul A., doing business as Paul A. Ruth Company, Tolleson, Ariz. Fresh vegetables. Serial No. 541,468, Feb. 22. Class 46.

Ruth, Paul A., Company: *See*—
Ruth, Paul A.

S. & F. Company, Hartford, Conn. Bags made of cloth and wire. Serial No. 535,632, Feb. 22. Class 2.
Schnefel Bros. Corporation, Newark, N. J. Cosmetic items. Serial No. 556,990, Feb. 22. Class 6.
Schwartz, Rudolph L., doing business as Watertecter Company, Buffalo, N. Y. Composition of matter including an ingredient which changes color upon contact with water. Serial No. 549,008, Feb. 22. Class 6.
Schwarz, Preston S., New York, N. Y. Cotton and rayon fabrics. Serial No. 561,775, Feb. 22. Class 42.
Sharp & Dohme, Incorporated, Philadelphia, Pa. Immunogenic preparations. Serial No. 554,819, Feb. 22. Class 6.
Shell Oil Company, Incorporated, San Francisco, Calif. Insecticidal foliage spray oil. Serial No. 538,965, Feb. 22. Class 6.
Sherman, Winifred B., Detroit, Mich. Dolls and doll clothes. Serial No. 529,103, Feb. 22. Class 22.
Silverman, Alexander, Pittsburgh, Pa. Nail files. Serial No. 535,266, Feb. 22. Class 44.
Sinclair, H. M., Jr., trustee for the partnership, by The Sinclair Manufacturing Company, Toledo, Ohio. Bleaching and disinfecting solutions. Serial No. 526,984, Feb. 22. Class 6.
Sinclair, H. M., Jr., trustee for the partnership, by The Sinclair Manufacturing Company, Toledo, Ohio. Chlorinated lime. Serial No. 527,004, Feb. 22. Class 6.
Sinclair Manufacturing Company, The: *See*—
Sinclair, H. M., Jr.
Sleepwear, Inc., New York, N. Y. Pajamas. Serial No. 524,666, Feb. 22. Class 39.
Smith, James P., & Company, Inc. Plain and stuffed olives. Serial No. 544,616, Feb. 22. Class 46.
Smith & Kanzler Company, Linden, N. J. Wallboard. Serial No. 561,487, Feb. 22. Class 17.
Smyrna Imports Co., Inc., New York, N. Y. Dates. Serial No. 523,432, Feb. 22. Class 46.
Societe Anonyme Societe Technique de Parfumerie F. Millot, Paris, France. Perfumes, toilet waters, colognes, etc. Serial No. 550,563, Feb. 22. Class 6.
Société Genevoise D' Instruments de Physique, Geneva, Switzerland. Machine-tools. Serial No. 503,766, Feb. 22. Class 23.
Spalding, A. G., & Bros. Inc., Chicopee, Mass. Golf balls, tennis rackets, golf clubs, etc. Serial No. 544,215, Feb. 22. Class 22.
Spartan Tool Company, Chicago, Ill. Flexible cable type portable, hand manipulated tools. Serial No. 503,332, Feb. 22. Class 23.
Specialty Products Company, The, New Orleans, La. Antiseptic toilet powder. Serial No. 532,520, Feb. 22. Class 6.
Sperzel Company, Minneapolis, Minn. Toilet seats. Serial No. 531,625, Feb. 22. Class 13.
Sphar & Company, Winchester, Ky. Field seeds. Serial No. 548,614, Feb. 22. Class 1.
Spir-It, Inc., Malden, Mass. Spatulas. Serial No. 515,466, Feb. 22. Class 23.
Squirt Company, The, Beverly Hills, Calif. Nonalcoholic maltless beverages. Serial No. 535,191, Feb. 22. Class 45.
Stahl-Meyer, Inc., New York, N. Y. Smoked meats. Serial No. 521,293, Feb. 22. Class 46.
Standard Utilities, Inc., Pasadena, Calif. Flushing apparatus. Serial No. 526,840, Feb. 22. Class 23.
Steel Pharmaceutical Co. Inc., New York, N. Y. Vitamin and mineral tablets. Serial No. 502,031, Feb. 22. Class 6.
Sterilseat Corporation of America, Philadelphia, Pa. Rest room cleaning kit. Serial No. 544,475, Feb. 22. Class 50.
Stevens, J. & E., Company, Cromwell, Conn. Toy pistols. Serial No. 551,595, Feb. 22. Class 22.
Sun Chemical Corporation, New York, N. Y. Chemical compounds. Serial No. 561,350, Feb. 22. Class 6.
Sun Oil Company, Philadelphia, Pa. Chemical anti-friction compound. Serial No. 525,420, Feb. 22. Class 6.
"Suse": *See*—
Dannenberg, Suse B.
Swank, Inc., Attleboro, Mass. Wallets or billfolds. Serial No. 535,760, Feb. 22. Class 3.
Techkote Company, The, Inglewood, Calif. Chemical compounds. Serial No. 547,579, Feb. 22. Class 6.
Teco Societe Anonyme, Bois-de-Breux, near Liege, Belgium. Apparatus for protection against shock. Serial No. 494,168, Feb. 22. Class 21.
Tizio, Vincent, doing business as Fifty-Fifty Manufacturing Co., Brooklyn, N. Y. Cleaning, disinfecting, germicidal, and deodorizing compound. Serial No. 540,739, Feb. 22. Class 6.
Topp Oil & Chemical Co., Milwaukee, Wis. Lubricating oils and greases. Serial No. 539,459, Feb. 22. Class 15.
Trapp, Ross, Salt Lake City, Utah. Permanent wave machine. Serial No. 547,072, Feb. 22. Class 44.
Trianco Limited, East Molesey, England. Slabs, blocks, and tiles of concrete. Serial No. 536,968, Feb. 22. Class 12.
Tschuy-Vogt Watch Co., Grenchen, Switzerland. Watches and watch movements. Serial No. 555,325, Feb. 22. Class 27.
Union Carbide and Carbon Corporation, New York, N. Y. Synthetic oil and solid derivatives thereof. Serial No. 524,836, Feb. 22. Class 15.
U. S. Machine Corporation, Lebanon, Ind. Oil burners and space heaters. Serial No. 535,655, Feb. 22. Class 34.
United States Rubber Company, New York, N. Y. Flat-stock of foam rubber. Serial No. 548,201, Feb. 22. Class 1.
Urbana Manufacturing Company, Urbana, Ohio. Electric motors. Serial No. 547,594, Feb. 22. Class 21.
Vernon and Vermont Pharmacy, doing business as Betan Company, Los Angeles, Calif. Suntan oil. Serial No. 532,529, Feb. 22. Class 6.
Virginia-Carolina Chemical Corporation, Richmond, Va. General cleanser in powder form. Serial No. 558,425, Feb. 22. Class 4.
Vitron Corporation, The. Tubing. Serial No. 513,913, Feb. 22. Class 35.
Warner, William R., & Co., Inc., New York, N. Y. Hormone containing liquid for parenteral use. Serial Nos. 544,231–2, Feb. 22. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Penicillin preparation. Serial No. 552,193, Feb. 22. Class 6.
Watertecter Company: *See*—
Schwartz, Rudolph L.
Wayne Pump Company, The, Fort Wayne, Ind. Portable and stationary aircraft refueling systems, electronically controlled variable valve unit, a meter and register, etc. Serial No. 519,846, Feb. 22. Class 23.
Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 535,913, Feb. 22. Class 39.
Wells Lamont Corporation, Chicago, Ill. Work gloves. Serial No. 535,915, Feb. 22. Class 39.
West Virginia Pulp and Paper Company, New York, N. Y. Crude tall oil (talloel), soap. Serial No. 559,408, Feb. 22. Class 4.
Wilbur-Suchard Chocolate Company, Inc., Borough of Lititz, Pa. Chocolate coating (liquor) for food purposes. Serial No. 530,692, Feb. 22. Class 46.
Winnebago Steel Products Company: *See*—
Haase, Wilbert W.
Winorr Canning Company, The, Circleville, Ohio. Canned vegetables and canned tomato juice. Serial No. 544,953, Feb. 22. Class 46.
Winthrop Chemical Company, Inc., assignor to Winthrop-Stearns Inc., New York, N. Y. Absorbent, alterative, and analgesic preparations. Serial No. 534,216, Feb. 22. Class 6.
Winthrop-Stearns Inc., assignee: *See*—
Winthrop Chemical Company, Inc.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Detergent compound. Serial No. 533,097, Feb. 22. Class 4.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Alkaline detergent compound. Serial Nos. 533,098–9, Feb. 22. Class 4.
Wyandotte Chemicals Corporation, Wyandotte, Mich. Cleaning compound. Serial No. 533,102, Feb. 22. Class 4.
Wyzenbeek & Staff, Inc., Chicago, Ill. Flexible shafts of metal, flexible shaft cutting, polishing and abrading tools, rotary hole cutters, etc. Serial No. 527,657, Feb. 22. Class 23.
Yost Superior Co., The, Springfield, Ohio. Tension, torsion, and expansion springs and wire forms. Serial No. 531,747, Feb. 22. Class 13.

LIST OF REGISTRANTS OF TRADE-MARKS

A & Z Chain Company, Providence, R. I. Buckles for belts and shoes and metal extension and enlargement devices for watch straps, etc. 256,169, renewed May 7, 1949. O. G. Feb. 22. Class 28.
Abbott Laboratories, North Chicago, Ill. Arsenical compound. 506,834, Feb. 22; Serial No. 522,872, published June 1, 1948. Class 6.
Adams & Westlake Company, The, Chicago, Ill. Acetylene lighting apparatus and railway signal lamps and lanterns. 73,131 re-renewed Mar. 16, 1949. O. G. Feb. 22. Class 34.
Aircraft Specialties Company, Lindenhurst, N. Y. Fishing reels. 507,093, Feb. 22; Serial No. 498,572. Class 22.
Ajax Electrothermic Corporation, Trenton, N. J. High frequency electric furnaces and parts thereof and their associated switchboards, etc. 146,157, Sept. 6, 1921. Republished Feb. 22. Class 21.
Ajax Iron Works, Corry, Pa. Drilling engines, engine pumps, and parts used in the oil industry. 166,251, Mar. 27, 1923. Republished Feb. 22. Class 23.
Alabama Feed Mills, Tuscaloosa, Ala. Horse and mule feed. 424,486, Oct. 8, 1946. Republished Feb. 22. Class 46.

Alexander Manufacturing Company, Forest City, N. C. Bed sheets, sheetings and pillow cases. 507,075, Feb. 22; Serial No. 554,642, published Oct. 26, 1948. Class 42.
Alexander Marketing Company, San Benito, Tex. Fresh vegetables. 303,423, May 23, 1933. Republished Feb. 22. Class 46.
Allen & Hanburys, Limited, London, England. Medicinal food. 253,419, renewed Feb. 26, 1949. O. G. Feb. 22. Class 6.
Allied Radio Corporation, Chicago, Ill. Radio receivers, phono-radio combinations, and radio kits. 506,820, Feb. 22; Serial No. 513,646, published Oct. 19, 1948. Class 21.
Altmann, Bernhard, New York, N. Y. Gabardine piece goods. 507,073, Feb. 22; Serial No. 554,544, published Oct. 19, 1948. Class 42.
Amb-A-Tip Cigar Company, Baltimore, Md. Cigars. 442,101, Feb. 22; Serial No. 511,438, published Oct. 26, 1948. Class 17.
American Bitumuls Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. 507,072, Feb. 22; Serial No. 554,461, published Nov. 2, 1948. Class 38.
American Food Products Co.: *See*—
Besso, Alec.
American Lace Paper Company, Milwaukee, Wis. Paper wadding. 176,435, Nov. 27, 1923. Republished Feb. 22. Class 37.
American Lace Paper Company, Milwaukee, Wis. Paper napkins. 276,613, Oct. 21, 1930. Republished Feb. 22. Class 37.
American Map Company, Inc., New York, N. Y. Maps and atlases. 506,838, Feb. 22; Serial No. 536,982, published Oct. 26, 1948. Class 38.
American Millwork Company, New Hyde Park, Long Island, N. Y. All-aluminum combination screen and window. 507,061, Feb. 22; Serial No. 548,226, published Nov. 2, 1948. Class 12.
American Mutual Alliance, Chicago, Ill. Periodical. 255,907, renewed Apr. 30, 1949. O. G. Feb. 22. Class 38.
American Rolling Mill Company, The, Middletown, Ohio. Ferrous metals and ferrous metal castings and forgings. 503,390, Oct. 26, 1948. Corrected. O. G. Feb. 22. Class 14.
Ames Company, Inc., Elkhart, Ind. Cholagogues and cholerctics. 435,692, Jan. 6, 1948. Republished Feb. 22. Class 6.
Anatomik Footwear Company, The, New York, N. Y. Boots, shoes, slippers, etc. 103,935, Apr. 20, 1915. Republished Feb. 22. Class 39.
Anchor Paper Company, The, Cincinnati, Ohio. Wrapping paper. 506,821, Feb. 22; Serial No. 514,928, published Oct. 19, 1948. Class 37.
Andrews, Norris, Los Angeles, Calif. Box-liner. 506,993, Feb. 22; Serial No. 541,067, published Oct. 19, 1948. Class 37.
Applebaum-Mautner Company, Inc.: *See*—
Applebaum-Mautner Company, Inc., The.
Applebaum-Mautner Company, Inc., The, Champaign, Ill., by Applebaum-Mautner Company, Inc., Madison, Wis. Hoots and shoes. 237,210, Jan. 3, 1928. Republished Feb. 22. Class 39.
Arizona Orchard Company, Phoenix, by D. Bumstead, Peoria, Ariz. Fresh grapes, fresh citrus fruits, dried dates. 201,354, July 21, 1925. Republished Feb. 22. Class 46.
Ar-Jay Laboratories, Incorporated, Ontario, Calif. Hair rinse. 399,562, Jan. 19, 1943. Republished Feb. 22. Class 6.
Arlington Heights Citrus Company: *See*—
Arlington Heights Fruit Company.
Arlington Heights Fruit Association: *See*—
Arlington Heights Fruit Company.
Arlington Heights Fruit Company, also doing business as Arlington Heights Fruit Association, by Arlington Heights Citrus Company, Riverside, Calif. Fresh citrus fruit. 351,300, Oct. 26, 1937. Republished Feb. 22. Class 46.
Armstrong Paint & Varnish Works, Chicago, Ill. Paste paint. 506,985, Feb. 22; Serial No. 540,624, published Oct. 19, 1948. Class 16.
Aspinall, Robert, San Francisco, Calif. Jellies, fruit preserves, canned fruits, etc. 402,519, July 27, 1943. Republished Feb. 22. Class 46.
Associated Merchandising Corporation, New York, N. Y. Facial tissues. 506,982, Feb. 22; Serial No. 540,364, published Oct. 19, 1948. Class 37.
Associated Merchandising Corporation, The, New York, N. Y. Electric refrigerators. 507,048, Feb. 22; Serial No. 547,504, published Nov. 2, 1948. Class 31.
Associated Spring Corporation, Bristol, Conn. Periodical publication. 507,060, Feb. 22; Serial No. 551,431, published Nov. 2, 1948. Class 38.
Athletic Shoe Company, The: *See*—
Witchell-Sheill Co.
Athletic Shoe Company, The, Chicago, Ill. Slippers. 380,541, Aug. 27, 1940. Republished Feb. 22. Class 39.
Atlantic Manufacturing Corporation: *See*—
Stream, L. P., Laboratories Inc.
Autographic Register Company, Hoboken, N. J. Strips, leaves, and sheets of plain, lithograph and printing paper. 506,851, Feb. 22; Serial No. 527,566, published Nov. 2, 1948. Class 37.
Autographic Register Company, Hoboken, N. J. Carbon and manifolding carbon paper. 506,880, Feb. 22; Serial No. 532,105, published Nov. 9, 1948. Class 11.
Avon Curtain Corporation, The, Fall River, Mass. Window curtains. 442,109, Feb. 22; Serial No. 516,465, published Oct. 26, 1948. Class 42.
Ayer Company, The, Lowell, Mass., to Sterling Drug Inc., New York, N. Y. Medicinal preparation. 255,661, renewed Apr. 30, 1949. O. G. Feb. 22. Class 6.
Ayer, Harriet Hubbard, Inc., New York, N. Y. Face cream, face lotion, face powder, etc. 507,004, Feb. 22; Serial No. 542,268, published Oct. 26, 1948. Class 6.
Ayling & Reichert Co., The, Toledo, Ohio. Chambered floats. 507,080, Feb. 22; Serial No. 564,497, published Oct. 26, 1948. Class 13.
B. R. Company: *See*—
Bronson Reel Company.
B. V. D. Company, Inc., The, Baltimore, Md., to The B. V. D. Corporation, Baltimore, Md., and New York, N. Y. Underwear of woven and textile fabrics. 256,206, renewed May 7, 1949. O. G. Feb. 22. Class 39.
B. V. D. Corporation, The: *See*—
B. V. D. Company, Inc., The.
Babee-Tenda Corporation, The, assignor, by mesne assignments, to Babee-Tenda License Corporation, Metropolis, Ill. Combined tables and chairs. 506,986, Feb. 22; Serial No. 540,763, published Nov. 16, 1948. Class 32.
Babee-Tenda License Corporation: *See*—
Babee-Tenda Corporation, The.
Bacon Products Company, Chattanooga, Tenn. Cough syrup. 507,119, Feb. 22; Serial No. 548,908. Class 6.
Bale, Arthur A., Marinette, Wis. Artificial bait. 507,105, Feb. 22; Serial No. 522,653. Class 22.
Baker, Wright R., Pennsburg, Pa. Medicinal powder. 506,838, Feb. 22; Serial No. 523,453, published Nov. 9, 1948. Class 6.
Baker, Wright R., Pennsburg, Pa. Ointment. 506,837, Feb. 22; Serial No. 523,452, published Nov. 9, 1948. Class 6.
Ballinger, W. A., & Co., San Francisco, Calif. Cotton piece goods, sheets, pillow cases, etc. 506,999, Feb. 22; Serial No. 541,800, published Oct. 26, 1948. Class 42.
Barton Manufacturing Company, St. Louis, Mo. Polish for leather floods. 506,911, Feb. 22; Serial No. 534,591, published Nov. 9, 1948. Class 4.
Bat-O-Net Company, The, Memphis, Tenn. Bat having a hole in its center fitted with a net for use in playing a game. 507,106, Feb. 22; Serial No. 523,172. Class 22.
Beacon Milling Company, Inc., The, Cayuga, N. Y. Grains and mixed feeds. 348,793, Aug. 10, 1937. Republished Feb. 22. Class 46.
Belmont Packing & Rubber Company, The, Philadelphia, Pa. Packing and packing material. 321,984, Feb. 19, 1935. Republished Feb. 22. Classes 1 and 35.
Bemis Bro. Bag Company, St. Louis, Mo. Paper bags and sacks. 506,816, Feb. 22; Serial No. 510,997, published Aug. 3, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags. 506,842, Feb. 22; Serial No. 526,841, published July 27, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabrics bags and sacks. 506,843, Feb. 22; Serial No. 526,848, published Aug. 3, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Parcel-post mailing-envelopes. 506,844, Feb. 22; Serial No. 526,861, published Nov. 9, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric and paper bags and sacks. 506,845, Feb. 22; Serial No. 526,862, published Aug. 3, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. 506,846, Feb. 22; Serial No. 526,864, published Aug. 3, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. 506,847, Feb. 22; Serial No. 526,888, published July 20, 1948. Class 2.
Bemis Bro. Bag Company, St. Louis, Mo. Fabric bags. 506,848, Feb. 22; Serial No. 526,890, published July 20, 1948. Class 2.
Benedict-Swenson Co., Los Angeles, Calif. Wines. 311,621, Mar. 27, 1934. Canceled. O. G. Feb. 22. Class 47.
Bennion, Desla S., Spokane, Wash. Thermal insulating material. 442,093, Feb. 22; Serial No. 500,205, published Dec. 30, 1947. Class 12.
Bereman, J. H., doing business as Stillman Freckle Cream Co., to The Stillman Company, Aurora, Ill. Toilet preparations. 251,731, renewed Jan. 15, 1949. O. G. Feb. 22. Class 6.
Bergen Building Block Inc., Ridgefield Park, New York. Concrete products. 506,940, Feb. 22; Serial No. 537,406, published Nov. 9, 1948. Class 12.
Berger Brothers Company, The, New Haven, Conn. Corsets, girdles, and brassieres. 506,957, Feb. 22; Serial No. 538,348, published Oct. 12, 1948. Class 39.
Berger's Inc., San Francisco, Calif., by The Joseph and Feiss Co., Cleveland, Ohio. Wearing apparel for men. 314,405, June 26, 1934. Republished Feb. 22. Class 39.
Besso, Alec, doing business as American Food Products Co., by Peerless Packers, Inc., New York, N. Y. Whole milk powder. 372,039, Oct. 17, 1939. Republished Feb. 22. Class 46.
Best Foods, Inc., The, New York, N. Y. Shoe polish. 507,118, Feb. 22; Serial No. 546,349. Class 4.

lighting apparatus and railway signal lamps and lanterns. 73,131, re-renewed Mar. 16, 1949. O. G. Feb. 22. Class 34.

Alabama Feed Mills, Tuscaloosa, Ala. Horse and mule feed. 424,486, Oct. 8, 1946. Republished Feb. 22. Class 46.

Bettencourt, A. T., Turlock and Huron, Calif. Fresh vegetables, fresh melons and fresh grapes. 506,811, Feb. 22; Serial No. 508,023, published Nov. 2, 1948. Class 46.

Blaw-Knox Company, Pittsburgh, Pa. Metallic grating and open flooring. 507,017, Feb. 22; Serial No. 543,372, published Nov. 9, 1948. Class 12.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Chewing and smoking tobacco. 506,970–1, Feb. 22; Serial Nos. 539,632–3, published Oct. 26, 1948. Class 17.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Chewing and smoking tobacco. 506,972, Feb. 22; Serial No. 539,635, published Oct. 26, 1948. Class 17.

Bloch Brothers Tobacco Co., The, Wheeling, W. Va. Chewing and smoking tobacco. 506,973, Feb. 22; Serial No. 539,637, published Nov. 16, 1948. Class 17.

Bone Dry Shoe Manufacturing Company, Tacoma, Wash. Leather logger shoes. 279,562, Jan. 20, 1931. Republished Feb. 22. Class 39.

Bonsette Foundations, Inc., New York, N. Y. Brassières. 507,114, Feb. 22; Serial No. 542,073. Class 39.

Borden Company, The: *See*—
Rob Boy Ice Cream Co., Inc.

Branigan, Green & Co., by Branigan, Green & Co., Baltimore, Md. Drawers, middy-blouses, pajamas, etc. 148,364, Nov. 15, 1921. Republished Feb. 22. Class 39.

Brannan and Ross Chemical Products Co., Dallas, Tex. Spot remover. 442,113, Feb. 22; Serial No. 521,318, published Oct. 12, 1948. Class 4.

Bristol Laboratories Inc., Syracuse, N. Y. Crystalline sodium penicillin G. 506,900, Feb. 22; Serial No. 533,843, published Nov. 9, 1948. Class 6.

Bristol Bay Packing Company: *See*—
Cotter, R. E., Co.

Bronson Reel Company, Bronson, now by change of name B. R. Company, assignor to McAleer Manufacturing Company, Rochester, Mich. Fishing reels. 506,962, Feb. 22; Serial No. 538,877, published Oct. 5, 1948. Class 22.

Brown, Dr. H. Robert: *See*—
Brown, H. Robert.

Brown, H. Robert, doing business as Dr. H. Robert Brown, Lewiston, Maine. Tooth powder and mouth lotion. 507,055, Feb. 22; Serial No. 549,614, published Nov. 9, 1948. Class 6.

Brown, Lockwood & Davenport Co.: *See*—
Creative Footwear, Inc.

Brownville Board Company, Brownville, N. Y. Bristol board, poster board, and blanks. 506,806, Feb. 22; Serial No. 508,796, published Oct. 12, 1948. Class 37.

Brush, Allison G., doing business as Mayhaw Canning Co., by Mayhaw Canning Company, Inc., Laurel, Miss. Canned vegetables. 381,708, Oct. 1, 1940. Republished Feb. 22. Class 46.

Bubbles, Inc., assignor to Topps Chewing Gum, Incorporated, Brooklyn, N. Y. Bubble gum. 506,872, Feb. 22; Serial No. 531,091, published Oct. 26, 1948. Class 46.

Buckeye Traction Ditcher Company, The, Findlay, Ohio, by Gar Wood Industries, Inc., Wayne, Mich. Ditch digging machines, clay and sand digging machines, soil pulverizing machines, etc. 369,401, July 25, 1939. Republished Feb. 22. Class 23.

Buegeleisen & Jacobson to Buegeleisen & Jacobson, Inc., New York, N. Y. Strings for violins. 60,406, renewed Feb. 5, 1947. O. G. Feb. 22. Class 36.

Buegeleisen & Jacobson, Inc.: *See*—
Buegeleisen & Jacobson.

Buffalo Evening News, to Edward H. Butler, doing business as Buffalo Evening News, Buffalo, N. Y. Newspaper column published daily. 236,793, renewed Dec. 20, 1947. O. G. Feb. 22. Class 38.

Bullard Company, The, Bridgeport, Conn. Metal-working lathes. 404,209, Nov. 9, 1943. Canceled. O. G. Feb. 22. Class 23.

Bumstead, Dale: *See*—
Arizona Orchard Company.

Bumstead, Dale, Peoria, Ariz. Fresh citrus fruits. 292,224, Mar. 8, 1932. Republished Feb. 22. Class 46.

Bumstead, Dale, Peoria, Ariz. Fresh citrus fruits. 403,034, Aug. 31, 1943. Republished Feb. 22. Class 46.

Burke, Edward & John, Limited, Dublin, Ireland, and New York, to Edward & John Burke, Limited, Long Island City, N. Y. Stout and ale. 71,806, re-renewed Dec. 15, 1948. O. G. Feb. 22. Class 48.

Burke, Edward & John, Limited, Dublin, Ireland, and New York, N. Y., to Edward & John Burke, Limited, Long Island City, N. Y. Blended Irish whisky, tom gin, dry gin and cognac. 72,080, re-renewed Dec. 29, 1948. O. G. Feb. 22. Class 49.

Burke, Edward & John, Limited, Dublin, Ireland, and New York, to Edward & John Burke, Limited, Long Island City, N. Y. Stout and ale. 72,128, re-renewed Jan. 5, 1949. O. G. Feb. 22. Class 48.

Burke, Edward & John, Limited, Dublin, Ireland, and New York, to Edward & John Burke, Limited, Long Island City, N. Y. Blended Irish whiskies, dry gin and Jamaica rum. 72,150, re-renewed Jan. 5, 1949. O. G. Feb. 22. Class 49.

Burlingham, E. F., & Sons, Forest Grove, Oreg. Field seeds. 506,875, Feb. 22; Serial No. 531,643, published Nov. 9, 1948. Class 1.

Burlington Mills Corporation, Greensboro, N. C. Twill trouser fabric of rayon and cotton. 507,042, Feb. 22; Serial No. 546,364, published Oct. 26, 1948. Class 42.

Butler, Edward H.: *See*—
Buffalo Evening News.

California Maple Syrup Company, Inc., by Lady's Choice Foods, Los Angeles, Calif. Table syrup. 339,510, Oct. 13, 1936. Republished Feb. 22. Class 46.

California Milling Corporation, Los Angeles, Calif. Wheat flour. 395,462, May 26, 1942. Republished Feb. 22. Class 46.

Call, A. F., Estate, assignor to Call Ranch, a co-partnership composed of L. T. Kirkley and M. C. Quilici, by Call Ranch, Corona, Calif. Fresh citrus fruit. 367,051, May 9, 1939. Republished Feb. 22. Class 46.

Call Ranch: *See*—
Call, A. F., Estate.

Call Ranch, Corona, Calif. Fresh citrus fruit. 367,745, May 30, 1939. Republished Feb. 22. Class 46.

Call Ranch, Corona, Calif. Fresh citrus fruit. 377,175, Apr. 23, 1940. Republished Feb. 22. Class 46.

Cannon, Carl, doing business as The Dee Cee Laboratories, Chicago, Ill. Dental investment compounds. 256,286, May 14, 1929. Canceled. O. G. Feb. 22. Class 44.

Cantine, Martin, Company, The, Saugerties, N. Y. Enameled book paper. 506,996, Feb. 22; Serial No. 541,556, published Oct. 26, 1948. Class 37.

Cantine, Martin, Company, The, Saugerties, N. Y. Book paper. 506,997, Feb. 22; Serial No. 541,559, published Nov. 2, 1948. Class 37.

Canton Stamping & Enameling Company, The, Canton, Ohio. Porcelain enamel coated base metal cooking, kitchen and household ware. 506,897–8, Feb. 22; Serial Nos. 533,532–3, published Oct. 26, 1948. Class 13.

Caron Corporation, New York, N. Y. Perfume, toilet water and perfumed liquid bath preparation. 507,045, Feb. 22; Serial No. 547,320, published Nov. 9, 1948. Class 6.

Central Co-Operative Wholesale, Superior, Wis., by National Cooperatives, Incorporated, Chicago, Ill. Canned, dried, preserved, and evaporated fruits, etc. 310,340, Feb. 20, 1934. Republished Feb. 22. Class 46.

Champion Paper and Fibre Company, The, Hamilton, Ohio. Envelope paper. 506,849, Feb. 22; Serial No. 527,299, published Oct. 26, 1948. Class 37.

Chanel, Inc., New York, N. Y. Perfume, toilet water, eau de cologne, etc. 422,335, July 16, 1946. Republished Feb. 22. Class 6.

Chaprales & Macris, Nogales, Ariz. Fresh tomatoes. 371,763, Oct. 3, 1939. Republished Feb. 22. Class 46.

Chicago Pharmacal Company, Chicago, Ill. Ointment. 506,967, Feb. 22; Serial No. 539,491, published Aug. 24, 1948. Class 6.

Chipman Knitting Mills, Easton, Pa., by F. W. Woolworth Co., Watertown and New York, N. Y. Hosiery. 135,634, Oct. 19, 1920. Republished Feb. 22. Class 39.

Chocolat Suchard Societe Anonyme: *See*—
Suchard Société Anonyme.

Chope-Stevens Paper Company, Detroit, Mich. Printing paper. 254,353, renewed Mar. 19, 1949. O. G. Feb. 22. Class 37.

Christopher, Mike., doing business as Review Publishing Company, Jackson, Miss. Monthly magazine. 507,095, Feb. 22; Serial No. 506,738. Class 38.

Clark, Reid, Manufacturing Co.: *See*—
Clark, Reid, Manufacturing Co., Inc.

Clark, Reid, Manufacturing Co., Inc., doing business as Reid Clark Manufacturing Co., Montgomery, Ala. Aerated minnow buckets or tanks. 507,104, Feb. 22; Serial No. 521,148. Class 22.

Clemco Desk Mfg. Co.: *See*—
Clemetsen Company, The.

Clemco Desk Mfg. Co., Chicago, Ill. Desks, tables, filing cabinets. 297,601, Sept. 20, 1932. Republished Feb. 22. Class 32.

Clemetsen Company, The, by Clemco Desk Mfg. Co., Chicago, Ill. Desks, tables, stands, etc. 105,717–18, Aug. 17, 1915. Republished Feb. 22. Class 32.

Cliff, A. B., doing business as Racing Teal Ranch, Pasadena and Thermal, by Desert Sun Ranch, Thermal, Calif. Fresh citrus fruit, dates, and grapes. 280,268, Feb. 10, 1931. Republished Feb. 22. Class 46.

Clover Farm Stores: *See*—
Grocers & Producers Co., The.

Clover Farm Stores Corporation: *See*—
Grocers & Producers Co., The.

Clover Farm Stores Corporation, by Clover Farm Stores Corporation, Cleveland, Ohio. Brushless shaving cream; lather shaving cream. 316,286, Aug. 21, 1934. Republished Feb. 22. Class 4.

Clover Farm Stores Corporation, by Clover Farm Stores Corporation, Cleveland, Ohio. Glycerine, sweet oil, spirits of nitre, etc. 316,543, Aug. 28, 1934. Republished Feb. 22. Class 6.

Clover Farm Stores Corporation, by Clover Farm Stores Corporation, Cleveland, Ohio. Applesauce, baking powder, wheat flour, etc. 319,296, Nov. 20, 1934. Republished Feb. 22. Class 46.

Clover Farm Stores Corporation, Cleveland, Ohio. Wall paper cleaner, rug shampoo, dry cleaner, etc. 507,070, Feb. 22; Serial No. 554,093, published Nov. 2, 1948. Class 4.

Club Aluminum Products Co., Chicago, Ill. Soap impregnated metallic wool pads. 391,270, Oct. 28, 1941. Canceled. O. G. Feb. 22. Class 4.

Coast Envelope Company, by Coast Envelope Company (1947), Los Angeles, Calif. Correspondence envelopes. 154,091, Apr. 4, 1922. Republished Feb. 22. Class 37.

Coast Envelope Company (1947): *See*—
Coast Envelope Company.

Cochran, Robt. T., Co., Incorporated, New York, N. Y., and Tracy, Calif. Fresh deciduous fruits and fresh vegetables. 376,540, Mar. 26, 1940. Republished Feb. 22. Class 46.

Cohen, Jos. S., & Sons Co. Inc., New York, N. Y. Women's and children's dresses, suits, pajamas, etc. 299,025, Nov. 15, 1932. Republished Feb. 22. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Women's and misses' and children's dresses, aprons, frocks, and pajamas. 325,076, June 11, 1935. Republished Feb. 22. Class 39.

Cohen, Jos. S., & Sons Co. Inc., New York, N. Y. Ladies' and misses' frocks and dresses. 328,482, Oct. 1, 1935. Republished Feb. 22. Class 39.

Cohen Jos. S., & Sons Co. Inc., New York, N. Y. Women's, misses', and children's dresses, frocks, pajamas, etc. 360,852, Sept. 27, 1938. Republished Feb. 22. Class 39.

Cohen, M., & Sons Shoes, Inc.: *See*—
Ford, C. P., & Co.

Colorado River Farms, Incorporated, Blythe, Calif. Fresh melons and fresh vegetables. 506,823, Feb. 22; Serial No. 516,890, published Nov. 2, 1948. Class 46.

Columbia Restaurant, The, Tampa, Fla. Steak capuchino or cooked beefsteak, cocoanut ice cream, etc. 506,799, Feb. 22; Serial No. 469,034, published Oct. 26, 1948. Class 46.

Columbia River Packers Association, Inc.: *See*—
Corby Commission Company.

Comfort Spring Corporation, Baltimore, Md. Spring assemblies and spring coils. 506,912, Feb. 22; Serial No. 534,750, published Nov. 16, 1948. Class 32.

Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 71,285, re-renewed Nov. 17, 1948. O. G. Feb. 22. Class 17.

Comprehensive Fabrics Inc., New York, N. Y. Coated or impregnated piece goods. 506,991, Feb. 22; Serial No. 540,983, published Oct. 19, 1948. Class 42.

Condo, Henry J., Raritan, N. J. Concrete blocks and concrete cinder blocks. 507,064, Feb. 22; Serial No. 540,122, published Nov. 2, 1948. Class 12.

Connoisseurs Gift Shop, Inc., Boston, Mass., now by change of name Connoisseurs Products Corporation. Jewelry, watches, and eyeglass cleaner. 506,958, Feb. 22; Serial No. 538,497, published Oct. 5, 1948. Class 4.

Connoisseurs Products Corporation: *See*—
Connoisseurs Gift Shop, Inc.

Consolidated Cigar Corporation, New York, N. Y., assignor to G. H. P. Cigar Co., Inc., Philadelphia, Pa. Cigars. 507,005, Feb. 22; Serial No. 542,446, published Nov. 9, 1948. Class 17.

Conti Products Corporation, Brooklyn, N. Y. Soap. 507,046, Feb. 22; Serial No. 547,405, published Oct. 26, 1948. Class 4.

Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. 506,956, Feb. 22; Serial No. 538,247, published Nov. 2, 1948. Class 49.

Continental Products, Inc.: *See*—
Continental Tire Corporation.

Continental Tire Corporation, by Continental Products, Inc., Chicago, Ill. Radio receiving sets and parts thereof. 210,499, Mar. 16, 1926. Republished Feb. 22. Class 21.

Cook Coffee Company, The, Cleveland, Ohio. Waxpaper. 507,013, Feb. 22; Serial No. 543,097, published Nov. 9, 1948. Class 37.

Corby Commission Company, New York, N. Y., to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 71,286, re-renewed Nov. 17, 1948. O. G. Feb. 22. Class 46.

Corduroy Rubber Company, Grand Rapids, Mich. Vehicle tires. 506,931, Feb. 22; Serial No. 536,671, published Nov. 9, 1948. Class 35.

Cornell Pharmacal Co., Union City, N. J. Vitamin B-complex extract derived from yeast. 442,100, Feb. 22; Serial No. 510,018, published Aug. 17, 1948. Class 6.

Corning Glass Works, Corning, N. Y. Collars, color screens, cover glasses, etc. 442,088, Feb. 22; Serial No. 474,480, published Oct. 19, 1948. Class 34.

Corson, G. & W. H., Plymouth Meeting, Pa. Selectively calcined dolomite. 383,369, Dec. 3, 1940. Republished Feb. 22. Class 6.

Cortes Growers Association, Turlock, Calif. Fresh grapes. 204,054, Oct. 6, 1925. Republished Feb. 22. Class 46.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal window sash, metal window frames, metal window casements, etc. 442,111, Feb. 22; Serial No. 518,753, published Oct. 19, 1948. Class 12.

Cory Corporation, Chicago, Ill. Gas stoves. 506,904, Feb. 22; Serial No. 534,093, published Oct. 19, 1948. Class 34.

Cotter, R. E., Co., San Francisco, Calif., by Bristol Bay Packing Company, Seattle, Wash. Canned fish. 189,679, Sept. 23, 1924. Republished Feb. 22. Class 46.

Cowan, Louis G., New York, N. Y. Scripts. 389,921, Aug. 26, 1941. Republished Feb. 22. Class 38.

Crafteet Foods, Inc., Sand Springs, Okla. Peanut butter, imitation fruit jellies, and vinegar. 506,901, Feb. 22; Serial No. 533,849, published Nov. 2, 1948. Class 46.

Creamette Company, The, Minneapolis, Minn. Cigarettes. 507,026, Feb. 22; Serial No. 543,897, published Oct. 26, 1948. Class 17.

Creative Footwear, Inc., Boston, Mass., by change of name from Brown, Lockwood & Davenport Co. Monthly publication. 506,800, Feb. 22; Serial No. 477,317, published Nov. 9, 1948. Class 38.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,014, Feb. 22; Serial No. 543,182, published Oct. 26, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,015, Feb. 22; Serial No. 543,187, published Oct. 26, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,016, Feb. 22; Serial No. 543,189, published Oct. 26, 1948. Class 42.

Crosse & Blackwell Company, The: *See*—
Lasenby, E., & Son, Limited.

Crowley, Henry L., & Company, Inc., East Orange, to Henry L. Crowley & Company, Inc., West Orange, N. J. Ceramic electric insulating compound. 252,646, renewed Feb. 12, 1949. O. G. Feb. 22. Class 21.

Crown Products Corporation, San Francisco, to Lady's Choice Foods, Los Angeles, Calif. Salad oil, vinegar, table syrup, etc. 304,035, June 20, 1933. Republished Feb. 22. Class 46.

Crown Products Corporation. San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Salad oil, vinegar, table syrup, etc. 304,038, Jan. 20, 1933. Republished Feb. 22. Class 46.

Crown Products Corporation, San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Vinegar and table syrup. 328,993, Oct. 15, 1935. Republished Feb. 22. Class 46.

Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. 507,000, Feb. 22; Serial No. 542,002, published Nov. 2, 1948. Class 37.

Crown Zellerbach Corporation, also doing business as National Paper Products Co. and Nata Products Company, San Francisco, Calif. Paper towels and toilet tissue. 507,001, Feb. 22; Serial No. 542,013, published Nov. 2, 1948. Class 37.

Curran Laboratories, Inc., to Whitehall Pharmacal Company, New York, N. Y. Cosmetics. 251,800, renewed Jan. 15, 1949. O. G. Feb. 22. Class 6.

Custer, Levitt L., doing business as The Custer Specialty Company, Dayton, Ohio. Amusement riding devices. 506,835, Feb. 22; Serial No. 523,042, published Oct. 5, 1948. Class 22.

Custer Specialty Company, The: *See*—
Custer Levitt L.

Daniels, C. R., Inc., New York, N. Y., to C. R. Daniels, Inc., Daniels, Md. Waterproof canvas tarpaulins. 255,548, renewed Apr. 23, 1949. O. G. Feb. 22. Classes 12, 42, and 50.

Darden, Chas. E., & Co., Dallas, Tex. Poporn, salted popcorn, and popcorn seasoning. 506,804, Feb. 22; Serial No. 500,957, published Nov. 2, 1948. Class 46.

Davis, A., & Sons, Inc., New York, N. Y. Knitted woolen jersey fabrics in the piece. 400,318, Mar. 2, 1943. Republished Feb. 22. Class 42.

Dayton Rubber Company, The: *See*—
Dayton Rubber Manufacturing Company, The.

Dayton Rubber Manufacturing Company, The, by The Dayton Rubber Company, Dayton, Ohio. V-shaped belting. 398,729, Nov. 17, 1942. Republished Feb. 22. Class 35.

D'Azzo, Errol P., New York, N. Y. Galvanized bars. 442,095, Feb. 22; Serial No. 503,978, published Nov. 2, 1948. Class 13.

Dee Cee Laboratories, The: *See*—
Cannon, Carl.

Defiance Dairy Products Company, The, by Defiance Defiance Milk Products Company, Defiance, Ohio. Evaporated milk. 177,299, Dec. 18, 1923. Republished Feb. 22. Class 46.

Defiance Milk Products Company: *See*—
Defiance Dairy Products Company, The.

De Loney & Company, Inc., Chicago, Ill. Tonic for hair and scalp. 506,817, Feb. 22; Serial No. 513,300, published Oct. 26, 1948. Class 6.

Denis, David R., Winnetka, Ill. Display mounting for coins. 442,116, Feb. 22; Serial No. 522,074, published Nov. 2, 1948. Class 32.

Denver Alfalfa Milling & Products Co., The, to National Alfalfa Dehydrating and Milling Company, Lamar, Colo. Alfalfa meal. 252,693, renewed Feb. 12, 1949. O. G. Feb. 22. Class 46.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. 44,419, July 4, 1905. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Dry reagent. 357,121, May 24, 1938. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. 404,462, Nov. 23, 1943. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Chemical compounds. 405,820, Feb. 22, 1944. Republished Feb. 22. Class 6.

Corby Commission Company, by Coast Envelope Company (1947), Los Angeles, Calif. Correspondence envelopes. 154,091, Apr. 4, 1922. Republished Feb. 22. Class 37.

Coast Envelope Company (1947): *See*—
Coast Envelope Company.

Cochran, Robt. T., Co., Incorporated, New York, N. Y., and Tracy, Calif. Fresh deciduous fruits and fresh vegetables. 376,540, Mar. 26, 1940. Republished Feb. 22. Class 46.

Cohen, Jos. S., & Sons Co. Inc., New York, N. Y. Women's and children's dresses, suits, pajamas, etc. 299,025, Nov. 15, 1932. Republished Feb. 22. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Women's and misses' and children's dresses, aprons, frocks, and pajamas. 325,076, June 11, 1935. Republished Feb. 22. Class 39.

Cohen, Jos. S., & Sons Co. Inc., New York, N. Y. Ladies' and misses' frocks and dresses. 328,482, Oct. 1, 1935. Republished Feb. 22. Class 39.

Cohen Jos. S., & Sons Co. Inc., New York, N. Y. Women's, misses', and children's dresses, frocks, pajamas, etc. 360,852, Sept. 27, 1938. Republished Feb. 22. Class 39.

Cohen, M., & Sons Shoes, Inc.: *See*—
Ford, C. P., & Co.

Colorado River Farms, Incorporated, Blythe, Calif. Fresh melons and fresh vegetables. 506,823, Feb. 22; Serial No. 516,890, published Nov. 2, 1948. Class 46.

Columbia Restaurant, The, Tampa, Fla. Steak capuchino or cooked beefsteak, cocoanut ice cream, etc. 506,799, Feb. 22; Serial No. 469,034, published Oct. 26, 1948. Class 46.

Columbia River Packers Association, Inc.: *See*—
Corby Commission Company.

Comfort Spring Corporation, Baltimore, Md. Spring assemblies and spring coils. 506,912, Feb. 22; Serial No. 534,750, published Nov. 16, 1948. Class 32.

Compañia General de Tabacos de Filipinas, Barcelona, Spain. Cigars. 71,285, re-renewed Nov. 17, 1948. O. G. Feb. 22. Class 17.

Comprehensive Fabrics Inc., New York, N. Y. Coated or impregnated piece goods. 506,991, Feb. 22; Serial No. 540,983, published Oct. 19, 1948. Class 42.

Condo, Henry J., Raritan, N. J. Concrete blocks and concrete cinder blocks. 507,064, Feb. 22; Serial No. 540,122, published Nov. 2, 1948. Class 12.

Connoisseurs Gift Shop, Inc., Boston, Mass., now by change of name Connoisseurs Products Corporation. Jewelry, watches, and eyeglass cleaner. 506,958, Feb. 22; Serial No. 538,497, published Oct. 5, 1948. Class 4.

Connoisseurs Products Corporation: *See*—
Connoisseurs Gift Shop, Inc.

Consolidated Cigar Corporation, New York, N. Y., assignor to G. H. P. Cigar Co., Inc., Philadelphia, Pa. Cigars. 507,005, Feb. 22; Serial No. 542,446, published Nov. 9, 1948. Class 17.

Conti Products Corporation, Brooklyn, N. Y. Soap. 507,046, Feb. 22; Serial No. 547,405, published Oct. 26, 1948. Class 4.

Continental Distilling Corporation, Philadelphia, Pa. Distilled potable alcoholic beverages. 506,956, Feb. 22; Serial No. 538,247, published Nov. 2, 1948. Class 49.

Continental Products, Inc.: *See*—
Continental Tire Corporation.

Continental Tire Corporation, by Continental Products, Inc., Chicago, Ill. Radio receiving sets and parts thereof. 210,499, Mar. 16, 1926. Republished Feb. 22. Class 21.

Cook Coffee Company, The, Cleveland, Ohio. Waxpaper. 507,013, Feb. 22; Serial No. 543,097, published Nov. 9, 1948. Class 37.

Corby Commission Company, New York, N. Y., to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 71,286, re-renewed Nov. 17, 1948. O. G. Feb. 22. Class 46.

Corduroy Rubber Company, Grand Rapids, Mich. Vehicle tires. 506,931, Feb. 22; Serial No. 536,671, published Nov. 9, 1948. Class 35.

Cornell Pharmacal Co., Union City, N. J. Vitamin B-complex extract derived from yeast. 442,100, Feb. 22; Serial No. 510,018, published Aug. 17, 1948. Class 6.

Corning Glass Works, Corning, N. Y. Collars, color screens, cover glasses, etc. 442,088, Feb. 22; Serial No. 474,480, published Oct. 19, 1948. Class 34.

Corson, G. & W. H., Plymouth Meeting, Pa. Selectively calcined dolomite. 383,369, Dec. 3, 1940. Republished Feb. 22. Class 6.

Cortes Growers Association, Turlock, Calif. Fresh grapes. 204,054, Oct. 6, 1925. Republished Feb. 22. Class 46.

Corry-Jamestown Manufacturing Corporation, Corry, Pa. Metal window sash, metal window frames, metal window casements, etc. 442,111, Feb. 22; Serial No. 518,753, published Oct. 19, 1948. Class 12.

Cory Corporation, Chicago, Ill. Gas stoves. 506,904, Feb. 22; Serial No. 534,093, published Oct. 19, 1948. Class 34.

Cotter, R. E., Co., San Francisco, Calif., by Bristol Bay Packing Company, Seattle, Wash. Canned fish. 189,679, Sept. 23, 1924. Republished Feb. 22. Class 46.

Cowan, Louis G., New York, N. Y. Scripts. 389,921, Aug. 26, 1941. Republished Feb. 22. Class 38.

Crafteet Foods, Inc., Sand Springs, Okla. Peanut butter, imitation fruit jellies, and vinegar. 506,901, Feb. 22; Serial No. 533,849, published Nov. 2, 1948. Class 46.

Creamette Company, The, Minneapolis, Minn. Cigarettes. 507,026, Feb. 22; Serial No. 543,897, published Oct. 26, 1948. Class 17.

Creative Footwear, Inc., Boston, Mass., by change of name from Brown, Lockwood & Davenport Co. Monthly publication. 506,800, Feb. 22; Serial No. 477,317, published Nov. 9, 1948. Class 38.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,014, Feb. 22; Serial No. 543,182, published Oct. 26, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,015, Feb. 22; Serial No. 543,187, published Oct. 26, 1948. Class 42.

Crompton Company, Crompton, R. I. Fabrics in the piece. 507,016, Feb. 22; Serial No. 543,189, published Oct. 26, 1948. Class 42.

Crosse & Blackwell Company, The: *See*—
Lasenby, E., & Son, Limited.

Crowley, Henry L., & Company, Inc., East Orange, to Henry L. Crowley & Company, Inc., West Orange, N. J. Ceramic electric insulating compound. 252,646, renewed Feb. 12, 1949. O. G. Feb. 22. Class 21.

Crown Products Corporation, San Francisco, to Lady's Choice Foods, Los Angeles, Calif. Salad oil, vinegar, table syrup, etc. 304,035, June 20, 1933. Republished Feb. 22. Class 46.

Crown Products Corporation. San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Salad oil, vinegar, table syrup, etc. 304,038, Jan. 20, 1933. Republished Feb. 22. Class 46.

Crown Products Corporation, San Francisco, by Lady's Choice Foods, Los Angeles, Calif. Vinegar and table syrup. 328,993, Oct. 15, 1935. Republished Feb. 22. Class 46.

Crown Zellerbach Corporation, San Francisco, Calif. Toilet tissue. 507,000, Feb. 22; Serial No. 542,002, published Nov. 2, 1948. Class 37.

Crown Zellerbach Corporation, also doing business as National Paper Products Co. and Nata Products Company, San Francisco, Calif. Paper towels and toilet tissue. 507,001, Feb. 22; Serial No. 542,013, published Nov. 2, 1948. Class 37.

Curran Laboratories, Inc., to Whitehall Pharmacal Company, New York, N. Y. Cosmetics. 251,800, renewed Jan. 15, 1949. O. G. Feb. 22. Class 6.

Custer, Levitt L., doing business as The Custer Specialty Company, Dayton, Ohio. Amusement riding devices. 506,835, Feb. 22; Serial No. 523,042, published Oct. 5, 1948. Class 22.

Custer Specialty Company, The: *See*—
Custer Levitt L.

Daniels, C. R., Inc., New York, N. Y., to C. R. Daniels, Inc., Daniels, Md. Waterproof canvas tarpaulins. 255,548, renewed Apr. 23, 1949. O. G. Feb. 22. Classes 12, 42, and 50.

Darden, Chas. E., & Co., Dallas, Tex. Poporn, salted popcorn, and popcorn seasoning. 506,804, Feb. 22; Serial No. 500,957, published Nov. 2, 1948. Class 46.

Davis, A., & Sons, Inc., New York, N. Y. Knitted woolen jersey fabrics in the piece. 400,318, Mar. 2, 1943. Republished Feb. 22. Class 42.

Dayton Rubber Company, The: *See*—
Dayton Rubber Manufacturing Company, The.

Dayton Rubber Manufacturing Company, The, by The Dayton Rubber Company, Dayton, Ohio. V-shaped belting. 398,729, Nov. 17, 1942. Republished Feb. 22. Class 35.

D'Azzo, Errol P., New York, N. Y. Galvanized bars. 442,095, Feb. 22; Serial No. 503,978, published Nov. 2, 1948. Class 13.

Dee Cee Laboratories, The: *See*—
Cannon, Carl.

Defiance Dairy Products Company, The, by Defiance Defiance Milk Products Company, Defiance, Ohio. Evaporated milk. 177,299, Dec. 18, 1923. Republished Feb. 22. Class 46.

Defiance Milk Products Company: *See*—
Defiance Dairy Products Company, The.

De Loney & Company, Inc., Chicago, Ill. Tonic for hair and scalp. 506,817, Feb. 22; Serial No. 513,300, published Oct. 26, 1948. Class 6.

Denis, David R., Winnetka, Ill. Display mounting for coins. 442,116, Feb. 22; Serial No. 522,074, published Nov. 2, 1948. Class 32.

Denver Alfalfa Milling & Products Co., The, to National Alfalfa Dehydrating and Milling Company, Lamar, Colo. Alfalfa meal. 252,693, renewed Feb. 12, 1949. O. G. Feb. 22. Class 46.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. 44,419, July 4, 1905. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Dry reagent. 357,121, May 24, 1938. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Medicinal preparation. 404,462, Nov. 23, 1943. Republished Feb. 22. Class 6.

Denver Chemical Manufacturing Company, The, New York, N. Y. Chemical compounds. 405,820, Feb. 22, 1944. Republished Feb. 22. Class 6.

Denver Fire Clay Company, The, Denver, Colo. Burners. 130,172, Apr. 13, 1920. Republished Feb. 22. Class 34.
Desbergers Limited, Montreal, Quebec, Canada. Medicinal preparation in tablet form. 506,916, Feb. 22; Serial No. 535,004, published Nov. 9, 1948. Class 6.
Desert Sun Ranch: *See*—
Cliff, A. B.
Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. 507,078, Feb. 22; Serial No. 561,891, published Nov. 2, 1948. Class 4.
Diamond Alkali Company, Cleveland, Ohio. Inorganic detergent. 507,079, Feb. 22; Serial No. 561,902, published Nov. 2, 1948. Class 4.
Dif Corporation, Garwood, N. J. Hand cleaner, chemical abrasive compound, and liquid polish. 506,859, Feb. 22; Serial No. 529,370, published Oct. 26, 1948. Class 4.
Diversey Corporation, The, Chicago, Ill. Chemical preparation for bottle washing and food machinery cleaning. 507,002, Feb. 22; Serial No. 542,014, published Oct. 26, 1948. Class 4.
Dixon, Joseph, Crucible Company, Jersey City, N. J. Crucibles for industrial uses. 507,043, Feb. 22; Serial No. 546,682, published Nov. 9, 1948. Class 34.
Doane Agricultural Service, Inc., St. Louis, Mo. Publication of current analysis, etc. 507,103, Feb. 22; Serial No. 520,328. Class 38.
Doho Chemical Corporation, New York, N. Y. Ear drops. 309,463, Jan. 16, 1934. Republished Feb. 22. Class 6.
Doho Chemical Corporation, New York, N. Y. Ear drops. 350,399, Sept. 28, 1937. Republished Feb. 22. Class 6.
Doho Chemical Corporation, New York, N. Y. Osmotherapeutic treatment of ear diseases. 357,151, May 24, 1938. Republished Feb. 22. Class 6.
Dohrmann Hotel Supply Co., San Francisco, Calif., assignor to The Hobart Manufacturing Company, Troy, Ohio. Ventilators for cooking equipment. 442,098, Feb. 22; Serial No. 505,151, published Dec. 31, 1946. Class 34.
Domestic Engineering Company, Chicago, Ill. Periodical. 355,664, Mar. 22, 1938. Republished Feb. 22. Class 38.
Dresdener Chemisches Laboratorium Lingner, Dresden, Germany, to Lingner Corporation, Chicago, Ill., assignor, by mesne assignments, to Odol Chemical Corporation. Powders, washes, soaps, etc. 30,942, re-renewed Dec. 7, 1947. O. G. Feb. 22. Class 6.
Duplex Envelope Co. Inc., Richmond, Va. Church contribution envelopes. 218,844, Oct. 5, 1926. Republished Feb. 22. Class 37.
Duplex Printing Press Co., Battle Creek, Mich., by National Cooperatives, Incorporated, Chicago, Ill. Tractors. 332,728, Feb. 25, 1936. Republished Feb. 22. Class 23.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Polymerised vinyl ester or esters. 507,021, Feb. 22; Serial No. 543,575, published Oct. 26, 1948. Class 1.
Eagle Roller Mill Co., doing business as New Ulm Roller Mill Co., New Ulm, Minn. Wheat flour, rye flour, and corn meal. 506,968, Feb. 22; Serial No. 539,592, published Oct. 26, 1948. Class 46.
Early Foundry Co., Dickson City, Pa. Coal ranges, coal and gas combination ranges, oil and gas combination ranges, etc. 506,992, Feb. 22; Serial No. 540,987, published Nov. 9, 1948. Class 34.
Eastern-Columbia, Inc.: *See*—
Eastern Outfitting Co. of Los Angeles.
Eastern-Columbia, Inc., Los Angeles, Calif. Living room, bedroom, and dining room furniture, etc. 385,607, Mar. 11, 1941. Republished Feb. 22. Class 32.
Eastern-Columbia, Inc., Los Angeles, Calif. Photographic prints. 395,268, May 19, 1942. Republished Feb. 22. Class 38.
Eastern Outfitting Co. of Los Angeles, Calif., Huntington Park, Pasadena, and Long Beach, by Eastern-Columbia, Inc., Los Angeles, Calif. Mattresses. 333,021, Mar. 10, 1936. Republished Feb. 22. Class 32.
Eastern Outfitting Co. of Los Angeles, Calif., Los Angeles, Huntington Park, Pasadena, and Long Beach, by Eastern-Columbia, Inc., Los Angeles, Calif. Ceramic dinnerware and cooking ware. 372,773, Nov. 14, 1939. Republished Feb. 22. Class 30.
Eaton, Crane & Pike Company, by Eaton Paper Corporation, Pittsfield, Mass. Writing paper, printing paper, and envelopes. 113,236, Oct. 10, 1916. Republished Feb. 22. Class 37.
Eaton, Crane & Pike Company, by Eaton Paper Corporation, Pittsfield, Mass. Papeteries, correspondence cards, writing tablets, etc. 272,106, July 1, 1930. Republished Feb. 22. Class 37.
Eaton Paper Corporation: *See*—
Eaton, Crane & Pike Company.
Eaton Paper Corporation, Pittsfield, Mass. Writing paper, envelopes, pound or bulk writing paper. 317,107, Sept. 11, 1934. Republished Feb. 22. Class 37.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. 323,589, Apr. 23, 1935. Republished Feb. 22. Class 37.
Eaton Paper Corporation, Pittsfield, Mass. Stationery. 335,181, May 26, 1936. Republished Feb. 22. Class 37.
Eaton Paper Corporation, Pittsfield, Mass. Papeteries. 338,004, Aug. 25, 1936. Republished Feb. 22. Class 37.
Ebersole-Gaets-Rhodes Co., Clarence Center, N. Y. Preparation for the treatment of coccidiosis. 428,653, Apr. 1, 1947. Republished Feb. 22. Class 6.
Eclipse Sleep Products Inc.: *See*—
United States Cabinet Bed Co.
Economic Trend Line Studies: *See*—
Tripp, Chester D.
Eisenberg, Daniel, Plainfield, N. J. Collapsible combination shoe and cane and umbrella holder. 442,097, Feb 22; Serial No. 506,232, published Nov. 9, 1948. Class 2.
Eisenberg and Sons, Inc., Chicago, Ill. Women's dresses, suits, coats, skirts, etc. 506,857, Feb. 22; Serial No. 528,776, published Sept. 21, 1948. Class 39.
Electrical Publications, Inc., Chicago, Ill. Monthly magazine. 506,951, Feb. 22; Serial No. 537,996, published Nov. 2, 1948. Class 38.
Elgin American Division of Illinois Watch Case Co.: *See*—
Illinois Watch Case Co.
Enterprise Manufacturing Company, of Pennsylvania, The, Philadelphia, Pa. Meat-chopping machines and meat-presses. 56,956, Oct. 30, 1906. Republished Feb. 22. Class 23.
Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Meat choppers, coffee mills, fruit presses, etc. 195,718, Mar. 3, 1925. Republished Feb. 22. Class 23.
Enterprise Manufacturing Company of Pennsylvania, The, Philadelphia, Pa. Vegetable and fruit juice extractors. 346,653, June 1, 1937. Republished Feb. 22. Class 23.
Ero Manufacturing Company, Chicago, Ill. Hassocks. 506,874, Feb. 22; Serial No. 531,582, published Apr. 20, 1948. Class 32.
Escalante, Jose, & Co., Chicago, Ill. Cigars. 506,890, Feb. 22; Serial No. 533,238, published Nov. 2, 1948. Class 17.
Escalante, Jose, & Co., Chicago, Ill. Cigars. 506,891, Feb. 22; Serial No. 533,240, published Nov. 2, 1948. Class 17.
Escalante, Jose, & Co., Chicago, Ill. Cigars. 506,892, Feb. 22; Serial No. 533,242, published Oct. 26, 1948. Class 17.
Escalante, Jose, & Co., Chicago, Ill. Cigars. 506,893, Feb. 22; Serial No. 533,246, published Nov. 2, 1948. Class 17.
Escalante, Jose, & Co., Chicago, Ill. Cigars. 506,894, Feb. 22; Serial No. 533,247, published Oct. 26, 1948. Class 17.
Escondido Fruit Growers Association, by Escondido Orange Association, Escondido, Calif. Oranges and grapefruit. 204,064, Oct. 6, 1925. Republished Feb. 22. Class 46.
Escondido Fruit Growers Association, by Escondido Orange Association, Escondido, Calif. Oranges and grapefruit. 207,279, Dec. 29, 1925. Republished Feb. 22. Class 46.
Escondido Orange Association: *See*—
Escondido Fruit Growers Association.
Essex Chair Company: *See*—
Mellin-Quincy Manufacturing Co., Inc.
Estabrooks' T. H., Co., Limited, Saint John, New Brunswick, Canada. Tea. 442,091, Feb. 22; Serial No. 490,424, published Feb. 10, 1946. Class 46.
Evangelical Lutheran Church, The: *See*—
Norwegian Lutheran Church of America.
Exeter Citrus Association, Exeter, Calif. Fresh citrus fruits. 266,683, Jan. 28, 1930. Republished Feb. 22. Class 46.
Exeter Citrus Association, Exeter, Calif. Fresh citrus fruits. 288,136, Oct. 20, 1931. Republished Feb. 22. Class 46.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Crayons. 506,975, Feb. 22; Serial No. 539,944, published Nov. 2, 1948. Class 37.
Fairchild Publications, Inc., New York, N. Y., by consolidation with Women's Wear Company. Newspaper section. 506,840, Feb. 22; Serial No. 524,674, published Nov. 9, 1948. Class 38.
Fairy Silk Mills, Inc., Shillington, Pa. Tricot knit fabrics in the piece. 506,801, Feb. 22; Serial No. 477,647, published Oct. 5, 1948. Class 42.
Father George Mills, Inc.: *See*—
Hunter Manufacturing and Commission Company.
Fendrich, H., Inc., Evansville, Ind. Cigars. 226,846–7, Apr. 19, 1927. Republished Feb. 22. Class 17.
Fendrich, H., Inc., Evansville, Ind. Cigars. 360,151, Sept. 6, 1938. Republished Feb. 22. Class 17.
Fendrich, H., Inc., Evansville, Ind. Cigars. 362,780–1, Nov. 29, 1938. Republished Feb. 22. Class 17.
Ferry Hats, Inc., Newark, N. J. Men's felt hats. 299,939, Jan. 3, 1933. Republished Feb. 22. Class 39.
Ferry Hats, Inc., Newark, N. J. Men's felt hats. 316,068, Aug. 14, 1934. Republished Feb. 22. Class 39.
Fieldston Ball Pen Co., Inc., New York, N. Y. Self-feeding pens and refills therefor. 506,977, Feb. 22; Serial No. 540,063, published Oct. 19, 1948. Class 37.
Finck, W. M., & Company, Detroit, Mich. Work clothing. 135,992, Oct. 26, 1920. Republished Feb. 22. Class 39.
Fine Products Corporation, doing business as Nunnally's, Augusta, Ga. Candy. 409,265, Sept. 26, 1944. Republished Feb. 22. Class 46.
Fisher Flouring Mills Company, West Waterway, Harbor Island, Seattle, Wash. Wheat flour. 303,709, June 6, 1933. Republished Feb. 22. Class 46.
Fletcher Paper Company, Alpena, Mich. Printing paper. 506,886, Feb. 22; Serial No. 532,670, published Nov. 2, 1948. Class 37.

Flexible Steel Lacing Co., Chicago, Ill. Flexible or hinged belt fasteners. 163,808, May 6, 1924. Corrected. O. G. Feb. 22. Class 13.
Flexible Steel Lacing Co., Chicago, Ill. Flexible or hinged belt fasteners. 412,091, Feb. 20, 1945. Corrected. O. G. Feb. 22. Class 13.
Flexible Steel Lacing Co., Chicago, Ill. Flexible or hinged belt fasteners. 414,307, June 5, 1945. Corrected. O. G. Feb. 22. Class 13.
Folkard & Lawrence, Inc., New York, N. Y. Woolen piece goods. 507,074, Feb. 22; Serial No. 554,558, published Oct. 19, 1948. Class 42.
Food Fair Stores, Inc.: *See*—
Union Premier Food Stores, Inc.
Ford, C. P., & Co., Rochester, by M. Cohen & Sons Shoes, Inc, New York, N. Y. Women's shoes. 370,743, Sept. 5, 1939. Republished Feb. 22. Class 39.
Foundry Equipment Company, The, Cleveland, Ohio. Gas and oil fired industrial furnaces, ovens, and air heaters. 506,810, Feb. 22; Serial No. 507,579, published Oct. 19, 1948. Class 34.
Fowler, John E., Rosslyn, Va. Maltless soft drinks and syrups therefor. 507,077, Feb. 22; Serial No. 560,801, published Nov. 16, 1948. Class 45.
Fowler, John E., Rosslyn, Va. Maltless soft drinks and syrups. 507,081–3, Feb. 22; Serial Nos. 565,513–15, published Nov. 16, 1948. Class 45.
Franklin Research Company: *See*—
Wilbur White Chemical Company, Inc., The.
Frozen Drumstick Sales Company, Fort Worth, Tex. Edible powder. 420,075, Mar. 26, 1946. Republished Feb. 22. Class 46.
Fulte, Richard J., San Francisco, Calif. Steel and copper tubing. 442,105, Feb. 22; Serial No. 514,837, published Oct. 26, 1948. Class 13.
G. H. P. Cigar Co., Inc.: *See*—
Consolidated Cigar Corporations.
General Binding Corporation, Chicago, Ill. Ring-type binding elements. 506,902, Feb. 22; Serial No. 533,876, published Oct. 19, 1948. Class 37.
General Mills, Inc., Minneapolis, Minn. Flour. 325,352, June 18, 1935. Canceled. O. G. Feb. 22. Class 46.
Gilfillan Bros. Incorporated, Los Angeles, Calif. Radio and television receivers. 506,824, Feb. 22; Serial No. 517,633, published Oct. 19, 1948. Class 21.
Glascote Products, Inc., Clevelsnd, Ohio. Pipe, pipe fittings, fluid shut off valves, etc. 506,826, Feb. 22; Serial No. 517,991, published Nov. 2, 1948. Class 13.
Glassine & Greaseproof Manufacturers Association, The, New York, N. Y. Semi-greaseproof glassine paper. 507,090, Feb. 22; Serial No. 537,174, published Oct. 19, 1948. Class 37.
Glassine & Greaseproof Manufacturers Association, The, New York, N. Y. Non-greaseproof glassine paper of low transparency. 507,091, Feb. 22; Serial No. 537,175, published Oct. 19, 1948. Class 37.
Glenmore Distilleries Company, Louisville, Ky. Whiskey. 506,865, Feb. 22; Serial No. 530,496, published Nov. 9, 1948. Class 49.
Globe Automatic Sprinkler Company, Philadelphia, Pa. Systems for the automatic control of fire doors, windows, ventilators, etc. 267,364, Feb. 18, 1930. Republished Feb. 22. Class 23.
Globe Automatic Sprinkler Company, Philadelphia, Pa. Water motors and portable hand fire extinguishers. 301,670, Mar. 7, 1933. Republished Feb. 22. Class 23.
Globe Automatic Sprinkler Company, Philadelphia, Pa. Pressure-operated automatic electric fire alarm systems and pressure-operated circuit closures therefor. 305,863, Aug. 29, 1933. Republished Feb. 22. Class 21.
Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing machines. 421,157, May 21, 1946. Republished Feb. 22. Class 23.
Globe Slicing Machine Co., Inc., Stamford, Conn. Slicing machines. 421,162, May 21, 1946. Republished Feb. 22. Class 23.
Gravenstein Apple Growers Cooperative Association, Sebastopol, Calif. Fresh apples. 379,579, July 16, 1940. Republished Feb. 22. Class 46.
Great Atlantic and Pacific Tea Company, The, New York, N. Y. Dairy feed. 506,965, Feb. 22; Serial No. 530,316, published Oct. 26, 1948. Class 46.
Great Stuff Products, Inc., Minneapolis, Minn. Soap. 506,871, Feb. 22; Serial No. 531,028, published Nov. 2, 1948. Class 4.
Grocers & Producers Co., The, doing business as Clover Farm Stores, by Clover Farm Stores Corporation, Cleveland, Ohio. Bicarbonate of soda, lye, sal soda, etc. 264,868, Dec. 10, 1929. Republished Feb. 22. Classes 4 and 6.
Grocers & Producers Co., The, doing business as Clover Farm Stores, by Clover Farm Stores Corporation, Cleveland, Ohio. Toilet soap, laundry soap, granulated soap, etc. 290,469, Jan. 5, 1932. Republished Feb. 22. Class 4.
Grocers & Producers Co., The, doing business as The Clover Farm Stores Company, by Clover Farm Stores Corporation, Cleveland, Ohio. Coffee. 296,674, Aug. 16, 1932. Republished Feb. 22. Class 46.
Grocers & Producers Co., The, doing business as The Clover Farm Stores Company, by Clover Farm Stores Corporation, Cleveland, Ohio. Coffee. 296,682, Aug. 16, 1932. Republished Feb. 22. Class 46.

Groff, C. C., Milling Company, The, Mount Healthy, Cincinnati, Ohio. Ready-mixed biscuit flour and high-sugar-ratio cake flour. 317,890, Oct. 9, 1934. Republished Feb. 22. Class 46.
Groves Thread Company, Inc., Gastonia, N. C. Cotton thread and yarns. 291,733, Feb. 23, 1932. Canceled. O. G. Feb. 22. Class 43.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Calcium preparation. 507,022, Feb. 22; Serial No. 543,705, published Nov. 9, 1948. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Iodine preparation. 507,023, Feb. 22; Serial No. 543,706, published Nov. 9, 1948. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Laxatives. 507,024, Feb. 22; Serial No. 543,710, published Nov. 9, 1948. Class 6.
Guy, Ralph I., doing business as The Rig Company, Glendale, Calif. Vitamin B preparation. 507,025, Feb. 22; Serial No. 543,711, published Nov. 9, 1948. Class 6.
H P Coffee Company, St. Louis, Mo. Coffee. 209,605, Feb. 23, 1926. Republished Feb. 22. Class 46.
H P Coffee Company, St. Louis, Mo. Coffee. 338,802, Sept. 15, 1936. Republished Feb. 22. Class 46.
H P Coffee Company, St. Louis, Mo. Coffee. 375,704, Feb. 27, 1940. Republished Feb. 22. Class 46.
Haas-Miller Corporation, Philadelphia, Pa. Chemical compounds. 432,621, Sept. 9, 1947. Republished Feb. 22. Class 6.
Haggard, John M., Chicago, Ill. Group form of advertising service. 507,086, Feb. 22; Serial No. 537,581, published Nov. 9, 1948. Class 55.
Hale-Halsell Co., McAlester, Okla. Canned white corn. 428,520, Sept. 3, 1946. Republished Feb. 22. Class 46.
Haley, Fred M., doing business as Nello Company, Chattanooga, Tenn. Nonalcoholic maltless carbonated fruit punch beverage. 506,827, Feb. 22; Serial No. 518,528, published Oct. 19, 1948. Class 45.
Halpen, Green & Co., by Lowry Rodgers Co., Philadelphia, Pa. Canned fruits and vegetables, canned shrimp. 273,807, Aug. 12, 1930. Republished Feb. 22. Class 46.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils of all kinds and pencil erasers. 506,905, Feb. 22; Serial No. 534,115, published Nov. 9, 1948. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. 506,906, Feb. 22; Serial No. 534,118, published Nov. 9, 1948. Class 37.
Hardtmuth, L. & C., Inc., Bloomsbury, N. J. Wood-encased pencils. 506,907, Feb. 22; Serial No. 534,120, published Nov. 9, 1948. Class 37.
Harrison, A. S., Company, The, New York, N. Y. Polishing and waxing preparations. 506,908, Feb. 22; Serial No. 534,279, published Nov. 9, 1948. Class 16.
Harrison-Simpson Co. Inc., Boston, Mass. Greeting cards. 507,030, Feb. 22; Serial No. 544,166, published Oct. 26, 1948. Class 38.
Harrower Laboratory, Inc., The, Glendale, Calif. Laxative. 507,058, Feb. 22; Serial No. 551,101, published Nov. 9, 1948. Class 6.
Haviland Laboratories, Inc., New York, N. Y. Perfumes, toilet water, bath oil, etc. 506,910, Feb. 22; Serial No. 534,438, published Nov. 9, 1948. Class 6.
Heal, James H., doing business as Treatment Service and Engineering Company, San Francisco, Calif. Water treatment chemicals. 507,096, Feb. 22; Serial No. 509,281. Class 6.
Hearst Corporation, The, New York, N. Y. Newspaper feature. 507,050, Feb. 22; Serial No. 547,905, published Oct. 26, 1948. Class 38.
Hearst Corporation, The, New York, N. Y. Newspaper section, feature or department. 507,066, Feb. 22; Serial No. 553,367, published Oct. 26, 1948. Class 38.
Hecht Company, The, Washington, D. C. Women's and misses' coats, suits, and dresses. 219,684, Oct. 19, 1926. Republished Feb. 22. Class 39.
Hecht Company, The, Washington, D. C. Men's and boys' suits and dress suits, men's and boys' top coats and overcoats. 228,557, June 7, 1927. Republished Feb. 22. Class 39.
Hecht Company, The, Washington, D. C. Women's coats and suits. 345,776, May 4, 1937. Republished Feb. 22. Class 39.
Heil Co., The, Milwaukee, Wis. Gas fired furnaces and oil fired furnaces. 506,948, Feb 22; Serial No. 537,764, published Nov. 9, 1948. Class 34.
Hekman Biscuit Company, Grand Rapids, Mich., by Plee-Zing, Inc., Chicago, Ill. Cookie cakes, crackers. 190,727, Oct. 21, 1924. Republished Feb. 22. Class 46.
Hendrick Manufacturing Company, Carbondale, Pa. Perforated metal screens. 264,455, renewed Mar. 26, 1949. O. G. Feb. 22. Class 23.
Hercules Powder Company, Wilmington, Del. Active chemical ingredient. 436,667, Feb. 17, 1948. Canceled. O. G. Feb. 22. Class 6.
Heribert, Herbert J., New York, N. Y. Plastic composition in sheet form. 417,194, Oct. 16, 1945. Canceled. O. G. Feb. 22. Class 1.
Heribert, Herbert J., New York, N. Y. Adhesive cement. 418,461, Dec. 25, 1945. Canceled. O. G. Feb. 22. Class 5.
Heribert, Herbert J., New York, N. Y. Solution to be used as a coating, finish lacquer for textiles, etc. 419,478, Feb. 19, 1946. Canceled. O. G. Feb. 22. Class 6.

Ebersole-Gaets-Rhodes Co., Clarence Center, N. Y. Preparation for the treatment of coccidiosis. 428,653, Apr. 1, 1947. Republished Feb. 22. Class 6.

Fletcher Paper Company, Alpena, Mich. Printing paper. 506,886, Feb. 22; Serial No. 532,670, published Nov. 2, 1948. Class 37.

Hicks, Leonard D., doing business as Madlien Milling Company, Madison, Fla. Canned cane syrup. 506,876, Feb. 22; Serial No. 531,670, published Nov. 2, 1948. Class 46.

Highland Mutual Groves, Inc., Highland, Calif. Fresh oranges. 506,814, Feb. 22; Serial No. 509,844, published Oct. 26, 1948. Class 46.

Hill, Alfred C., doing business as Hill's Cafe, Vernon, Tex. Sandwiches. 506,882, Feb. 22; Serial No. 532,452, published Oct. 26, 1948. Class 46.

Hill's Cafe: *See*—
Hill, Alfred C.

Hilton Company, Inc., The, Newark, N. J., to The Hilton Company, Inc., New York, N. Y. Men's and boys' clothing and haberdashery. 246,170–1, renewed Sept. 4, 1948. O. G. Feb. 22. Class 39.

Hiroto, James T., Coachello, Calif. Fresh vegetables. 393,497, Feb. 17, 1942. Republished Feb. 22. Class 46.

Hobart Manufacturing Company, The: *See*—
Dohrmann Hotel Supply Co.

Hobb-Swetnam Company, Inc., Wichita Falls, Tex. Cleanser. 507,076, Feb. 22; Serial No. 560,267, published Oct. 12, 1948. Class 4.

Holland Furnace Company, Holland, Mich. Furnace fan. 506,856, Feb. 22; Serial No. 528,628, published Oct. 19, 1948. Class 34.

Hollenbach, Chas., Inc., Chicago, Ill. Thueringer sausage. 506,868, Feb. 22; Serial No. 530,821, published Nov. 2, 1948. Class 46.

Hollingsworth & Vose Company, East Walpole, Mass. Paper in sheets or rolls. 506,943, Feb. 22; Serial No. 537,589, published Oct. 12, 1948. Class 37.

Hollywood Brands, Inc.: *See*—
Martoccio, F. A., Company.

Hollywood Candy Co.: *See*—
Martoccio, F. A., Company.

Holyoke Belting Company, Holyoke, Mass. Leather belting. 506,906, Feb. 22; Serial No. 534,284, published Nov. 9, 1948. Class 35.

Hopkinsville Milling Co., Hopkinsville, Ky. Corn meal. 506,864, Feb. 22; Serial No. 530,201, published Nov. 2, 1948. Class 46.

Hopkinsville Milling Co., Hopkinsville, Ky. Wheat flour. 506,877, Feb. 22; Serial No. 531,671, published Sept. 14, 1948. Class 46.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, lipstick, etc. 506,919, Feb. 22; Serial No. 535,844, published Nov. 9, 1948. Class 6.

Howard Paper Mills, Inc., Dayton, Ohio. Bond paper, laid bond paper, ledger paper, etc. 506,862, Feb. 22; Serial No. 530,001, published Sept. 28, 1948. Class 37.

Hudnut, Richard, New York, N. Y. Face powder, rouge and lipstick. 442,118, Feb. 22; Serial No. 523,267, published Nov. 9, 1948. Class 6.

Hudnut, Richard, New York, N. Y. Cake makeup. 507,052, Feb. 22; Serial No. 548,818, published Oct. 19, 1948. Class 6.

Humble Oil & Refining Company, Houston, Tex. Gasoline and motor-fuel oils. 250,838, renewed Dec. 18, 1948. O. G. Feb. 22. Class 15.

Hunter Manufacturing and Commission Company, New York, N. Y., and Greensboro, N. C., by Father George Mills, Inc., Sanford, N. C. Cotton piece goods. 119,315, Nov. 13, 1917. Republished Feb. 22. Class 42.

Hydro-Chemical Company, Incorporated, East Hartford, Conn. Antislipping preparations. 506,966, Feb. 22; Serial No. 539,418, published Nov. 2, 1948. Class 4.

Illinois Watch Case Co., doing business as Elgin American Division of Illinois Watch Case Co., Elgin, Ill. Cigarette cases. 507,007, Feb. 22; Serial No. 542,765, published Oct. 26, 1948. Class 8.

International Allied Printing Trades Association, Indianapolis, Ind. Almanacs, annual publications, book series, etc. 507,088, Feb. 22; Serial No. 528,571, published Nov. 2, 1948. Class 38.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 129,755, Mar. 9, 1920. Republished Feb. 22. Class 39.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 187,084, July 29, 1924. Republished Feb. 22. Class 39.

International Handkerchief Mfg. Co., The, New York, N. Y. Handkerchiefs. 187,086, July 29, 1924. Republished Feb. 22. Class 39.

International Salt Company: *See*—
International Salt Company, Inc.

International Salt Company, Inc., New York, N. Y., by International Salt Company, Scranton, Pa. Salt. 229,297, June 21, 1927. Republished Feb. 22. Class 46.

International Salt Company, Inc., New York, N. Y., by International Salt Company, Scranton, Pa. Salt. 357,585, June 7, 1938. Republished Feb. 22. Class 46.

International Typographical Union, Indianapolis, Ind. Almanacs, annual publications, book series, etc. 507,089, Feb. 22; Serial No. 528,572, published Nov. 9, 1948. Class 38.

Iowa Canning Company, Vinton, by Tendersweet Sales Corporation, Cedar Rapids, Iowa. Canned vegetables. 404,151, Nov. 2, 1943. Republished Feb. 22. Class 46.

Irvington Varnish & Insulator Company, Irvington, N. J. Moisture-proof interleaving fabric. 335,886, June 16, 1936. Republished Feb. 22. Class 42.

Irwin, Neisler & Company, Decatur, Ill. Tablet used in the treatment of peptic ulcers and other disorders of the gastro-intestinal tract. 507,029, Feb. 22; Serial No. 544,088, published Oct. 26, 1948. Class 6.

Jackes-Evans Manufacturing Company, St. Louis, Mo. Stove pipe, space heaters. 506,852, Feb. 22; Serial No. 527,592, published Nov. 9, 1948. Class 34.

Jantsen Knitting Mills, by Jantsen Knitting Mills, Inc., Portland, Oreg. Suntan liquid cream. 397,576, Sept. 8, 1942. Republished Feb. 22. Class 6.

Jantsen Knitting Mills, Inc.: *See*—
Jantsen Knitting Mills.

January and Wood Company, Maysville, Ky. Cotton yarn and warp. 436,064, Jan. 20, 1948. Republished Feb. 22. Class 43.

Johnson & Johnson: *See*—
Lister Surgical Company.

Jones, Clifford E., Peru, Ind. Insecticide. 362,350, Nov. 15, 1938. Republished Feb. 22. Class 6.

Jordan Marsh Company, Boston, Mass. Mattresses. 506,878, Feb. 22; Serial No. 531,804, published Nov. 2, 1948. Class 32.

Jorgensen Farms, Fresno, Calif. Fresh vegetables and mellons. 411,307, Jan. 9, 1945. Republished Feb. 22. Class 46.

Joseph and Feiss Co., The: *See*—
Berger's Inc.

Judd, H. L., Company, Wallingford, Conn. Hardware. 442,104, Feb. 22; Serial No. 513,825, published Oct. 26, 1948. Class 13.

K. & P. Industries, Inc., Kennewick, Wash. Canned vegetables. 506,861, Feb. 22; Serial No. 529,653, published Oct. 19, 1948. Class 46.

Karolton Envelope Company, Chicago, Ill. Blank cards and sheets. 506,949–50, Feb. 22; Serial Nos. 537,802–3, published Nov. 9, 1948. Class 37.

Kay Manufacturing Corporation, Brooklyn, N. Y. Inner spring units for mattresses. 371,890, Oct. 10, 1939. Republished Feb. 22. Class 32.

Kehoe Preserving Co., Terre Haute, Ind. Mint sauce. 193,051, Dec. 16, 1924. Republished Feb. 22. Class 46.

Kent-Moore Organization, by Kent-Moore Organization Inc., Detroit, Mich. Automotive repair tools. 196,119, Mar. 10, 1925. Republished Feb. 22. Class 23.

Kent-Moore Organization Inc.: *See*—
Kent-Moore Organization.

Kern Valley Farms: *See*—
Stansfield, J. E.

Kessler Chemical Corporation, New York, N. Y., by Kessler Chemical Co., Inc., Philadelphia, Pa. Acetone, methylethyl ketone, methyl ethyl ketone anhydrous alcohol solvent. 323,513, Apr. 16, 1935. Republished Feb. 22. Class 6.

Kessler Chemical Co., Inc.: *See*—
Kessler Chemical Corporation.

Keystone Railway Equipment Company: *See*—
Sheesley, Jay R.

King Publications, San Francisco, Calif. Monthly publication. 506,978, Feb. 22; Serial No. 540,077, published Nov. 2, 1948. Class 38.

Kirkley, Lucy: *See*—
Call, A. F., Estate.

Kloss Supply Co., Allentown, Pa. Nonalcoholic, noncereal, maltless beverages. 506,983, Feb. 22; Serial No. 540,420, published Nov. 9, 1948. Class 45.

Knights, A. A., and Son Corporation, Boston, Mass. Jams and fruit preserves. 293,133–4, Apr. 12, 1932. Republished Feb. 22. Class 46.

Knox-Reese Manufacturers, Philadelphia, Pa. Children's skipping and jumping ropes. 506,854, Feb. 22; Serial No. 528,289, published Oct. 5, 1948. Class 22.

Krier Preserving Company, The, Belgium, Wis. Canned vegetables. 277,097, Nov. 4, 1930. Republished Feb. 22. Class 46.

Kuehnle-Wilson Inc., Philadelphia, Pa. Services in connection with its contract painting. 507,085, Feb. 22; Serial No. 532,708, published Nov. 9, 1948. Class 55.

Kuttner-De Costa & Co., by Kuttner De Costa & Co., Inc., Philadelphia, Pa. Ladies' blouses, dresses, and suits. 369,162, July 18, 1939. Republished Feb. 22. Class 39.

Kuttner De Costa & Co., Inc.: *See*—
Kuttner-De Costa & Co.

L. A. Nut House, by Los Angeles Nut House (1945), Los Angeles, Calif. Potato chips, peanut butter, candy, etc. 400,656, Mar. 23, 1943. Republished Feb. 22. Class 46.

Lady's Choice Foods: *See*—
California Maple Syrup Company, Inc.
Crown Products Corporation.

Landrum, Samuel L., doing business as The Taylor Chemical Company, Taylor, Tex. Insecticides. 500,104, Apr. 13, 1948. Canceled. O. G. Feb. 22. Class 6.

Langtot Inc., New York, N. Y. Window ventilators. 442,119, Feb. 22; Serial No. 523,785, published Oct. 19, 1948. Class 34.

La Verne Co-Operative Citrus Association, La Verne, Calif. Fresh citrus fruit. 306,911, Oct. 3, 1933. Republished Feb. 22. Class 46.

Lazenby, E., & Son, Limited, London, England, by The Crosse & Blackwell Company, Baltimore, Md. Thick sauce for use on meats or fish or in soups. 226,002, Mar. 29, 1927. Republished Feb. 22. Class 46.

Lee, Robert, Yarns, Two Rivers, Wis. Yarns. 432,740, Sept. 9, 1947. Canceled. O. G. Feb. 22. Class 43.

Leong, Lucien, Inc., Chicago, Ill. Soap. 506,923, Feb. 22; Serial No. 535,974, published Nov. 2, 1948. Class 4.

Lentini, Joseph, doing business as Lentini Packing Co., Brooklyn, N. Y. Edible oils. 506,959, Feb. 22; Serial No. 538,646, published Oct. 26, 1948. Class 46.

Lentini Packing Co.: *See*—
Lentini, Joseph.

Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Skin ointment. 507,068, Feb. 22; Serial No. 553,874, published Nov. 9, 1948. Class 6.

Lewis, Rosemarie, doing business as Vogarell Products Company, Los Angeles, Calif. Ointment. 507,069, Feb. 22; Serial No. 553,875, published Nov. 9, 1948. Class 6.

Liberty Foundry Company, St. Louis, Mo. Warm-air heating equipment. 506,850, Feb. 22; Serial No. 527,436, published Oct. 19, 1948. Class 34.

Lieux Bros., New Rhoads, La., by Morning Treat Coffee Co., Inc., Baton Rouge, La. Coffee. 222,808, Jan. 11, 1927. Republished Feb. 22. Class 46.

Lilly, Eli, and Company, Indianapolis, Ind. Medicinal preparation. 506,952, Feb. 22; Serial No. 538,016, published Oct. 12, 1948. Class 6.

Lingner Corporation: *See*—
Dresdener Chemisches Laboratorium Lingner.

Lister Surgical Company, to Johnson & Johnson, New Brunswick, N. J. Absorbent cotton, plain and medicated gauze, gauze, plain and medicated, etc. 70,693, renewed Sept. 22, 1948. O. G. Feb. 22. Class 44.

Lone Ranger, Inc., The, Detroit, Mich. Series of cartoons and comic strips. 507,040, Feb. 22; Serial No. 545,864, published Oct. 26, 1948. Class 38.

Lonergan Manufacturing Company, Albion, Mich. Space heaters. 506,887, Feb. 22; Serial No. 532,839, published Oct. 19, 1948. Class 34.

Loos, Marie, Fort Wayne, Ind. Eye pad. 507,098, Feb. 22; Serial No. 512,845. Class 44.

Lorillard, P., Company, New York, N. Y. Cigars. 442,121, Feb. 22; Serial No. 525,624, published Oct. 26, 1948. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarettes. 506,836, Feb. 22; Serial No. 523,397, published Nov. 23, 1948. Class 17.

Lorillard, P., Company, New York, N. Y. Smoking tobacco. 506,934, Feb. 22; Serial No. 536,914, published Nov. 2, 1948. Class 17.

Lorillard, P., Company, New York, N. Y. Chewing tobacco. 506,935, Feb. 22; Serial No. 536,919, published Nov. 16, 1948. Class 17.

Lorillard, P., Company, New York, N. Y. Cigarettes. 506,936, Feb. 22; Serial No. 536,926, published Nov. 2, 1948. Class 17.

Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Men's and boys' suits, coats, trousers, etc. 340,889, Nov. 24, 1936. Canceled. O. G. Feb. 22. Class 39.

Los Angeles Nut House (1945): *See*—
L. A. Nut House.

Louis, M., Products Co.: *See*—
Louis, Napolitan.

Lowry-Rodgers Company, Philadelphia, Pa. Canned fruits, canned vegetables, canned berries, etc. 294,998, June 14, 1932. Republished Feb. 22. Class 46.

Lucas, John, & Company, Inc., Philadelphia, Pa. Paints, varnishes, wood fillers, etc. 442,122, Feb. 22; Serial No. 525,891, published Oct. 5, 1948. Class 16.

Lyons Desert Products Company: *See*—
Lyons, Jay F.

Lyons, Jay F., to Lyons Desert Products Company, Los Angeles, Calif. Ice cream powder. 243,821, renewed July 3, 1948. O. G. Feb. 22. Class 46.

MacDermid Incorporated, Waterbury, Conn. Liquid addition agent for electroplating solutions. 506,822, Feb. 22; Serial No. 515,887, published Nov. 9, 1948. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Mixed pickles, plum pudding, chow-chow, etc. 255,051, renewed Apr. 8, 1949. O. G. Feb. 22. Class 46.

Madlien Milling Company: *See*—
Hicks, Leonard D.

Mainco Trading Co., Kennebunk, Maine. Paper towels and tissue paper. 506,987, Feb. 22; Serial No. 540,840, published Oct. 19, 1948. Class 37.

Major Distributing Company, Salinas, Calif. Fresh vegetables. 506,881, Feb. 22; Serial No. 532,312, published Oct. 26, 1948. Class 46.

Mallory, P. R., & Co., Inc.: *See*—
Mallory, P. R., & Co., Incorporated.

Mallory, P. R., & Co., Incorporated, by P. R. Mallory & Co., Inc., Indianapolis, Ind. Electrical contacts and welding electrodes. 325,632, July 2, 1935. Republished Feb. 22. Class 21.

Mann Overall Company, Inc., El Paso, Tex. Overalls and Western style pants. 507,099, Feb. 22; Serial No. 515,576. Class 39.

Mark's Prize Recipe Foods: *See*—
Recipe Foods, Inc.

Marshall Field & Company, Chicago, Ill. Sheets. 229,063, Feb. 21, 1928. Republished Feb. 22. Class 42.

Martin, C. J., & Sons, by C. J. Martin and Sons, Inc., Austin, Tex. Preparation in dried, liquid or solid form. 410,605, Dec. 5, 1944. Republished Feb. 22. Class 6.

Martin, C. J., and Sons, Inc.: *See*—
Martin, C. J., & Sons.

Martin Varnish Company, Chicago, Ill. Varnishes. 250,280, renewed Dec. 4, 1948. O. G. Feb. 22. Class 16.

Martoccio, F. A., Company, doing business as Hollywood Candy Co., Minneapolis, Minn., by Hollywood Brands, Inc., Centralia, Ill. Candy bars. 261,488, Sept. 17, 1929. Republished Feb. 22. Class 46.

Mason, Au. & Magenheimer Conf. Mfg. Co., by Mason, Au. & Magenheimer Conf. Mfg. Co., Brooklyn, N. Y. Candies and chocolates. 402,024, June 22, 1943. Republished Feb. 22. Class 46.

Maxcy, L., Inc., Frostproof, Fla. Fresh and canned citrus fruits. 256,439, renewed May 14, 1949. O. G. Feb. 22. Class 46.

Mayhaw Canning Co.: *See*—
Brush, Allison G.

Mayhaw Canning Company, Inc.: *See*—
Brush, Allison G.

McAleer Manufacturing Company: *See*—
Bronson Reel Company.

McConn, Alfred W., Moorhead, Minn. Potatoes. 407,342, May 30, 1944. Republished Feb. 22. Class 46.

McGovern & McGovern: *See*—
Monitor Fisheries, Inc.

McNutt, Clare E., Toledo, Ohio. Cosmetic kits and dispensing devices. 506,883, Feb. 22; Serial No. 532,473, published Aug. 17, 1948. Class 6.

Meat Merchandising, Inc., St. Louis, Mo. Monthly magazine. 506,927, Feb. 22; Serial No. 536,410, published Nov. 2, 1948. Class 38.

Medley Distilling Company, Owensboro, Ky. Whiskey. 506,920, Feb. 22; Serial No. 535,858, published Nov. 2, 1948. Class 49.

Meehanite Metal Corporation, Chattanooga, Tenn., and New Rochelle, N. Y. Publication published from time to time. 506,895, Feb. 22; Serial No. 533,340, published Nov. 2, 1948. Class 38.

Mellin-Quincy Manufacturing Co., Inc., assignor to Essex Chair Company, Newark, N. J. Beds, dressers, chests, etc. 442,124, Feb. 22; Serial No. 518,611. Class 32.

Mentone Heights Association, Mentone, Calif. Fresh citrus fruits. 428,605, Mar. 25, 1947. Canceled. O. G. Feb. 22. Class 46.

Mepham, Geo. S. Corporation, assignor to C. K. Williams & Co., East St. Louis, Ill. Colors for masonry materials. 507,044, Feb. 22; Serial No. 546,717, published Oct. 19, 1948. Class 12.

Metal & Thermit Corporation, Carteret, N. J., to Metal & Thermit Corporation, New York, N. Y. Sodium antimonate, thermalin, and tin oxide. 250,743, renewed Dec. 18, 1948. O. G. Feb. 22. Class 6.

Mexico Refractories Company, Mexico, Mo. Firebrick. 507,003, Feb. 22; Serial No. 542,035, published Oct. 5, 1948. Class 12.

Mexico Refractories Company, Mexico, Mo. Firebrick. 507,033, Feb. 22; Serial No. 544,589, published Sept. 28, 1948. Class 12.

Meyercord Company, The, Chicago, Ill. Decalcomanias. 506,917, Feb. 22; Serial No. 535,584, published Oct. 5, 1948. Class 38.

Meyercord Company, The, Chicago, Ill. Decalcomanias. 506,928–9, Feb. 22; Serial Nos. 536,412–13, published Nov. 2, 1948. Class 38.

Meyercord Company, The, Chicago, Ill. Decalcomanias. 506,930, Feb. 22; Serial No. 536,415, published Nov. 2, 1948. Class 38.

Michigan Chemical Corporation, St. Louis, Mich. Insecticide. 442,099, Feb. 22; Serial No. 508,540, published Nov. 9, 1948. Class 6.

Midland Chemical Laboratories, Inc., The, to Midland Laboratories, Dubuque, Iowa. Preparation of acids and other ingredients for the removal of dust and stains. 253,748, renewed Mar. 5, 1949. O. G. Feb. 22. Class 4.

Midland Laboratories: *See*—
Midland Chemical Laboratories, Inc., The.

Miller Brewing Company, Milwaukee, Wis. Beer. 506,937, Feb. 22; Serial No. 536,943, published Oct. 19, 1948. Class 48.

Milprint, Inc., Milwaukee, Wis. Printed, engraved, and blank correspondence paper and stationery. 506,807, Feb. 22; Serial No. 503,823, published Nov. 2, 1948. Class 37.

Minnesota Linseed Oil Paint Co., Minneapolis, Minn. Varnish. 506,969, Feb. 22; Serial No. 539,606, published Nov. 16, 1948. Class 16.

Mitchell, P. R., Co., The, Cincinnati, Ohio. Ticking and piece goods. 506,961, Feb. 22; Serial No. 538,800, published Oct. 26, 1948. Class 42.

Monarch Leather Company, Chicago, Ill. Leather. 506,818, Feb. 22; Serial No. 513,445, published Nov. 2, 1948. Class 1.

Monarch Leather Company, Chicago, Ill. Leather. 506,819, Feb. 22; Serial No. 513,447, published Nov. 2, 1948. Class 1.

Monitor Fisheries, Inc., doing business as McGovern & McGovern, Seattle, Wash. Canned salmon. 506,867, Feb. 22; Serial No. 530,757, published Nov. 2, 1948. Class 46.

Monitor Furniture Co., Inc., Jamestown, N. Y. Household furniture. 506,921–2, Feb. 22; Serial Nos. 535,862–3, published Nov. 2, 1948. Class 32.

Monroe Laboratories, Inc., Chicago, Ill. Chemical anti-

National Co-Operatives, Inc., Chicago, Ill., and Indian-

Northern Signal Company, Inc., Milwaukee, Wis. Electric fence chargers, electric fence insulators, electric fence

Philadelphia Textile Machinery Company, by Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying machines. 31,821, July 19, 1898. Republished Feb. 22.

Monroe Laboratories, Inc., Chicago, Ill. Chemical antiseptic, insecticides, germicide, etc. 506,932, Feb. 22; Serial No. 536,707, published Nov. 9, 1948. Class 6.

Moore, John Hudson, Inc., New York, N. Y. Cologne, bay rum, deodorant, etc. 442,102, Feb. 22; Serial No. 512,079, published Oct. 5, 1948. Class 6.

Moore, Walton N., Dry Goods Co., Inc., San Francisco, Calif. Men's, women's, and children's sweaters, swimming suits, knitted and woven dresses. 263,316, Nov. 5, 1929. Canceled. O. G. Feb. 22. Class 39.

Moorhead Knitting Company, Harrisburg, Pa. Men's hose. 341,461, Dec. 8, 1936. Canceled. O. G. Feb. 22. Class 39.

Moran, R. J., Co., Boston, Mass. Antiseptic cream ointment. 507,049, Feb. 22; Serial No. 547,647, published Oct. 19, 1948. Class 6.

Morning Treat Coffee Co., Inc.: *See*—
Lieux Bros.

Morse, Leopold, Company, Boston, Mass. Men's, youths', and boys' suits and overcoats. 97,263, May 26, 1914. Republished Feb. 22. Class 39.

Morton Salt Company: *See*—
Mulkey Salt Company.

Moyer, J. W., doing business as J. W. Moyer & Sons, Lincoln, Nebr. Self-polishing wax and furniture polish. 506,954, Feb. 22; Serial No. 538,157, published Oct. 19, 1948. Class 16.

Moyer, J. W. & Sons: *See*—
Moyer, J. W.

Mulford Colloid Laboratories, Philadelphia, Pa. Solution and a scale salt. 349,186, Aug. 24, 1937. Republished Feb. 22. Class 6.

Mulkey Salt Company, Detroit, Mich., assignor to Morton Salt Company, Chicago, Ill. Salt. 506,939, Feb. 22; Serial No. 537,341, published Oct. 19, 1948. Class 46.

Mutation Mink Breeders Association, Elkhorn, Wis. Mink pelts. 442,089, Feb. 22; Serial No. 483,437, published Aug. 13, 1946. Class 1.

Mutual Liquid Gas and Equipment Co. Inc., Inglewood, Calif. Gas burning floor and wall furnaces. 442,108, Feb. 22; Serial No. 516,029, published Oct. 19, 1948. Class 34.

Napa Rock Mineral Water Company, Oakland, Calif. Sparkling water and non-alcoholic, maltless beverages. 506,825, Feb. 22; Serial No. 517,653, published Oct. 19, 1948. Class 45.

Napolitan, Louis, doing business as M. Louis Products Co., New York, N. Y. Permanent wave lotion, hair-end cream, hair lacquer, etc. 506,963, Feb. 22; Serial No. 539,071, published Nov. 9, 1948. Class 6.

Nash-De Camp Company, Berkeley, Calif. Fresh deciduous fruits and fresh grapes. 506,829, Feb. 22; Serial No. 519,080, published Nov. 2, 1948. Class 46.

Nata Products Company: *See*—
Crown Zellerbach Corporation.

National Airlines, Inc., Miami, Fla. Air transportation. 507,087, Feb. 22; Serial No. 538,031, published Nov. 9, 1948. Class 55.

National Alfalfa Dehydrating and Milling Company: *See*—
Denver Alfalfa Milling & Products Co., The.

National Association of Hosiery Manufacturers, Inc., New York, N. Y. News letters and sheets and weekly trade publications. 506,860, Feb. 22; Serial No. 529,396, published Oct. 26, 1948. Class 38.

National Awning Company: *See*—
National Blow Pipe & Mfg. Co. Ltd.

National Blow Pipe & Mfg. Co. Ltd., doing business as National Awning Company, New Orleans, La. Ventilated metal awnings. 507,107, Feb. 22; Serial No. 530,421. Class 12.

National Carbon Company, Inc., New York, N. Y. Therapeutic arc lamps and carbons therefor. 442,123, Feb. 22; Serial No. 525,928, published Oct. 5, 1948. Class 44.

National Cooperatives, Incorporated: *See*—
Central Co-Operative Wholesale.
Duplex Printing Press Co.
National Co-Operatives, Inc.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Coal, coke, kindling wood, etc. 377,942, May 21, 1940. Republished Feb. 22. Classes 1 and 10.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Index cards, letter and card indexes, crayons, etc. 378,447, June 11, 1940. Republished Feb. 22. Classes 5, 13, 23, 32, and 37.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Boric acid powder, calomel, spirits of camphor, etc. 379,235, July 9, 1940. Republished Feb. 22. Class 6.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Building hardware. 380,280, Aug. 20, 1940. Republished Feb. 22. Classes 13, 23, 31, 34, and 50.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Electrically operated apparatus and parts thereof. 386,642, Apr. 22, 1941. Republished Feb. 22. Classes 8, 19, 21, and 34.

National Co-Operatives, Inc., Chicago, Ill., and Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Turkey poults, chicks, hatching eggs, etc. 389,560, Aug. 12, 1941. Republished Feb. 22. Classes 1 and 46.

National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Electrically operated vacuum cleaners, food mixers, fans, etc. 357,727, June 14, 1938. Republished Feb. 22. Class 21.

National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Fly spray. 357,735, June 14, 1938. Republished Feb. 22. Class 6.

National Co-Operatives, Inc., Indianapolis, Ind., by National Cooperatives, Incorporated, Chicago, Ill. Electric razors. 359,039, Aug. 2, 1938. Republished Feb. 22. Class 23.

National Folding Box Company, Inc., New Haven, Conn. Folding cardboard and paper-board boxes and cartons, and cut and scored blanks therefor. 506,839, Feb. 22; Serial No. 524,075, published Nov. 16, 1948. Class 2.

National Live Stock Publishing Association, Chicago, Ill. Periodical publication. 506,888, Feb. 22; Serial No. 533,191, published Oct. 26, 1948. Class 38.

National Mallinson Fabrics Corporation, New York, N. Y. Fabrics in the piece. 507,027, Feb. 22; Serial No. 543,966, published Oct. 26, 1948. Class 42.

National Paper Products Co.: *See*—
Crown Zellerbach Corporation.

National Pressure Cooker Company, Eau Claire, Wis. Pressure cookers and pressure canners. 506,813, Feb. 22; Serial No. 509,786, published Sept. 28, 1948. Class 13.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Hygienic soap. 345,127, Apr. 13, 1937. Canceled. O. G. Feb. 22. Class 4.

National Shorthand Reporters Association, Chicago, Ill. Magazine books, booklets, and membership blanks of the association. 506,995, Feb. 22; Serial No. 541,441, published Nov. 2, 1948. Class 38.

National Skee-Ball Company, Inc., Coney Island, N. Y., to Philadelphia Toboggan Company, Philadelphia, Pa. Game in the nature of a bowling game and parts thereof. 256,496, renewed May 21, 1949. O. G. Feb. 22. Class 22.

National Waterproofing Company, Camden, N. J. Waterproof wrapping and lining paper. 507,018–19, Feb. 22; Serial Nos. 543,516–17, published Nov. 9, 1948. Class 37.

National Waterproofing Company, Camden, N. J. Crêped waterproof wrapping and lining paper. 507,020, Feb. 22; Serial No. 543,518, published Nov. 9, 1948. Class 37.

Naylor, Howard W., Morris, N. Y. Veterinary preparation. 435,985, Jan. 20, 1948. Republished Feb. 22. Class 6.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index, and onionskin paper, etc. 507,008, Feb. 22; Serial No. 542,862, published Nov. 9, 1948. Class 37.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index, and onionskin paper, etc. 507,009, Feb. 22; Serial No. 542,863, published Nov. 9, 1948. Class 37.

Neenah Paper Company, Neenah, Wis. Bond, ledger, writing, map, book, index, and onionskin paper, boxed stationery, tablets, and manuscript cover. 507,010–11, Feb. 22; Serial Nos. 542,869–70, published Nov. 2, 1948. Class 37.

Nello Company: *See*—
Haley, Fred M.

Nettleton, A. E., Company, Syracuse, N. Y. Ladies', men's, and boys' shoes. 353,354, Jan. 18, 1938. Republished Feb. 22. Class 39.

Newbro Manufacturing Company, Atlanta, Ga. Petroleum jelly. 507,117, Feb. 22; Serial No. 542,871. Class 6.

New Method Paint Co., Kansas City, Mo. Ready-mixed oil paint, varnish, and paint enamel. 442,115, Feb. 22; Serial No. 521,606, published Apr. 13, 1948. Class 16.

Newport Industries, Inc., Pensacola, Fla. Rosin. 507,028, Feb. 22; Serial No. 543,977, published Oct. 26, 1948. Class 1.

New Process Company, Warren, Pa. Textile bed blankets. 506,979, Feb. 22; Serial No. 540,090, published Oct. 26, 1948. Class 42.

News Projection Corporation, New York, N. Y. Paper tape. 294,876, June 7, 1932. Republished Feb. 22. Class 37.

New Ulm Roller Mill Co.: *See*—
Eagle Roller Mill Co.

Norcross, Inc., New York, N. Y. Greeting cards. 506,899, Feb. 22; Serial No. 533,766, published Nov. 2, 1948. Class 38.

Northeastern Plastics, Inc., Boston, Mass. Pen holders and letter openers. 506,984, Feb. 22; Serial No. 540,556, published Oct. 26, 1948. Class 37.

Northern Paper Mills, Green Bay, Wis. Paper table-cloth, toilet paper in rolls, paper toweling in rolls, etc. 115,376, Feb. 6, 1917. Republished Feb. 22. Class 37.

Northern Paper Mills, Green Bay, Wis. Toilet paper. 169,174, June 12, 1923. Republished Feb. 22. Class 37.

Northern Signal Company, Inc., Milwaukee, Wis. Electric fence chargers, electric fence insulators, electric fence fasteners, etc. 506,805, Feb. 22; Serial No. 503,460, published Oct. 26, 1948. Class 21.

Norwegian Lutheran Church of America, by The Evangelical Lutheran Church, Minneapolis, Minn. Periodical publication. 286,898, Sept. 8, 1931. Republished Feb. 22. Class 38.

Norwood Filtration Company, Northampton, Mass. Water conditioning equipment. 506,830, Feb. 22; Serial No. 519,487, published Nov. 2, 1948. Class 31.

Nunnally's: *See*—
Fine Products Corporation.

Oakite Products, Inc., New York, N. Y. Cleaning and scouring compound. 256,213, renewed May 7, 1949. O. G. Feb. 22. Class 4.

Odol Chemical Corporation, assignee: *See*—
Dresdener Chemisches Laboratorium Lingner.

Old Poindexter Distillery, Incorporated, Ekron, Ky. Bourbon whiskey. 506,884, Feb. 22; Serial No. 532,482, published Oct. 26, 1948. Class 49.

Odlan Brothers Company, Dallas, Tex. Men's, boys' and youths' pants, shirts, outing shirts, etc. 507,094, Feb. 22; Serial No. 499,911. Class 39.

Opotow Dental Mfg. Corp., New York, and Brooklyn, N. Y. Liquid preparation. 507,097, Feb. 22; Serial No. 512,530. Class 44.

Orange Belt Fruit Distributors, by Orange Belt Fruit Distributors (1942), Pomona, Calif. Fresh citrus fruit. 394,224. Mar. 24, 1942. Republished Feb. 22. Class 46.

Orange Belt Fruit Distributors (1942): *See*—
Orange Belt Fruit Distributors.

Ormont Drug & Chemical Co. Inc., New York, and Long Island City, N. Y. Preparation for use in treatment of skin irritations of the feet due to a special condition of ringworm known as "athlete's foot." 442,092, Feb. 22; Serial No. 499,962, published Mar. 11, 1947. Class 6.

Orrell, James A., doing business as Orrell's Food Products, Oakland, Calif. Table syrup in glass. 507,113, Feb. 22; Serial No. 542,049. Class 46.

Orrell's Food Products: *See*—
Orrell, James A.

Osborn Paper Company, Marion, Ind. Writing and printing papers and writing tablets. 137,669, Nov. 30, 1920. Republished Feb. 22. Class 37.

Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 306,394, Sept. 19, 1933. Republished Feb. 22. Class 46.

Pacific American Fisheries, Inc., Bellingham, Wash. Canned salmon. 379,913, July 30, 1940. Republished Feb. 22. Class 46.

Padre Vineyard Company, Los Angeles and Cucamonga, Calif. Brandy. 506,831, Feb. 22; Serial No. 520,292, published Oct. 19, 1948. Class 49.

Page Belting Company, Concord, N. H. Leather belting and leather packing. 507,041, Feb. 22; Serial No. 546,323, published Nov. 9, 1948. Class 35.

Pangburn Company, Inc., Fort Worth, Tex. Ice creams and sherbets. 212,887, May 18, 1926. Republished Feb. 22. Class 46.

Parke, Davis & Company, Detroit, Mich. Antispasmodic preparation. 506,925, Feb. 22; Serial No. 536,124, published Nov. 9, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Chemotherapeutic agent. 507,047, Feb. 22; Serial No. 547,479, published Oct. 19, 1948. Class 6.

Parke, Davis & Company, Detroit, Mich. Chermotherapentic agent. 507,063, Feb. 22; Serial No. 552,000, published Nov. 9, 1948. Class 6.

Patch, E. L., Company, The, Stoneham, Mass. Medicinal preparations. 507,062, Feb. 22; Serial No. 551,815, published Nov. 9, 1948. Class 6.

Patrick-Duluth Co., Duluth, Minn. Woolen fabrics and fabrics made of mixtures of wool, cotton, and rayon. 507,031, Feb. 22; Serial No. 544,379, published Oct. 26, 1948. Class 42.

Peerless Packers, Inc.: *See*—
Besso, Alec.

Penncy, J. C., Company: *See*—
Robinson & Golluber.

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. 337,879, Aug. 25, 1936. Republished Feb. 22. Class 17.

Peper, Christian, Tobacco Company, St. Louis, Mo. Smoking tobacco. 375,069, Feb. 6, 1940. Republished Feb. 22. Class 17.

Perkins Products Company, Chicago, Ill. Pie and cake filling. 316,479, Aug. 28, 1934. Republished Feb. 22. Class 46.

Perkins Products Company, Chicago, Ill. Ice cream powder. 342,151, Jan. 5, 1937. Republished Feb. 22. Class 46.

Pfizer, Chas., & Co., Inc., New York, N. Y. Mixture of ascorbic acid and citric acid. 434,073, Nov. 4, 1947. Republished Feb. 22. Class 6.

Phenix Pabst-Ett Company, Chicago, Ill. Cheese product. 506,964, Feb. 22; Serial No. 539,080, published Oct. 26, 1948. Class 46.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 507,035, Feb. 22; Serial No. 544,656, published Nov. 9, 1948. Class 6.

Philadelphia Steel and Wire Corporation, Philadelphia, Pa. Spring washers. 407,799–800, June 27, 1944. Republished Feb. 22. Class 13.

Philadelphia Textile Machinery Company, by Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drying machines. 31,821, July 19, 1898. Republished Feb. 22. Class 23.

Philadelphia Toboggan Company: *See*—
National Skee-Ball Company, Inc.

Pick Manufacturing Company, West Bend, Wis. Oil filters. 507,006, Feb. 22; Serial No. 542,847, published Oct. 26, 1948. Class 31.

Pioneer Suspender Company, Philadelphia, Pa. Cigarette cases. 506,828, Feb. 22; Serial No. 518,970, published Oct. 26, 1948. Class 8.

Pioneer Suspender Company, Philadelphia, Pa. Cigarette cases. 506,841, Feb. 22; Serial No. 526,546, published Aug. 10, 1948. Class 8.

Pirrone, F., & Sons, Inc., Garfield, N. J. Wine. 506,944, Feb. 22; Serial No. 537,618, published Oct. 26, 1948. Class 47.

Plee-Zing Corporation, The, New York, N. Y., Savannah, Ga., assignor to the Plee-Zing Corporation, Richmond, Va., by Plee-Zing, Inc., Chicago, Ill. Brown bread. 226,235, Apr. 5, 1927. Republished Feb. 22. Class 46.

Plee-Zing, Inc.: *See*—
Hekman Biscuit Company.
Plee-Zing Corporation, The.
Simmons, George W., Corporation.

Plee-Zing, Inc., Chicago, Ill. Mushrooms, corn syrup, canned onions, etc. 328,597, Oct. 1, 1935. Republished Feb. 22. Class 46.

Plee-Zing, Inc., Chicago, Ill. Dried apricots, canned green beans, canned corn on the cob, etc. 399,825, Feb. 2, 1943. Republished Feb. 22. Class 46.

Plibrico Jointless Firebrick Company, Chicago, Ill. Castable refractory material. 507,036, Feb. 22; Serial No. 545,160, published Sept. 28, 1948. Class 12.

Polson Rubber Company, The, Garrettsville, Ohio. Inner tubes. 506,941, Feb. 22; Serial No. 537,500, published Nov. 9, 1948. Class 35.

Pompeian Corporation, The, to The Pompeian Olive Oil Corporation, Baltimore, Md. Olive oil. 252,247, renewed Jan. 29, 1949. O. G. Feb. 22. Class 46.

Pompeian Olive Oil Corporation, The: *See*—
Pompeian Corporation, The.

Porter & Wentz, Inc., Brownsville, Tex. Potatoes. 379,432, July 9, 1940. Republished Feb. 22. Class 46.

Porter & Wentz, Inc., Brownville, Tex. Fresh tomatoes. 413,444, Apr. 24, 1945. Republished Feb. 22. Class 46.

Porter & Wentz, Inc., Brownsville, Tex. Potatoes. 417,237, Oct. 16, 1945. Republished Feb. 22. Class 46.

Porter & Wentz, Inc., Brownsville, Tex. Fresh tomatoes. 417,238, Oct. 16, 1945. Republished Feb. 22. Class 46.

Porter & Wentz, Inc., Brownville, Tex. Potatoes. 417,239, Oct. 16, 1945. Republished Feb. 22. Class 46.

Powers Paper Co., Springfield, Mass. Boxed writing paper, writing tablets, envelopes, and pound papers. 506,947, Feb. 22; Serial No. 537,729, published Oct. 19, 1948. Class 37.

Poythress, Wm. P., & Co. Inc., Richmond, Va. Preparation in tablet or powder form. 397,405, Sept. 8, 1942. Republished Feb. 22. Class 6.

Procter & Gamble Company, The, Cincinnati, Ohio. Processed deodorized edible vegetable products. 506,853, Feb. 22; Serial No. 528,021, published Nov. 2, 1948. Class 46.

Proctor & Schwartz, Incorporated: *See*—
Philadelphia Textile Machinery Company.

Prospect Island Farming Company, by Rio Farms, San Francisco, Calif. Fresh vegetables. 327,091, Aug. 13, 1935. Republished Feb. 22. Class 46.

Publicker, Inc., to Publicker Industries Inc., Philadelphia, Pa. Ethyl acetate, butyl acetate, amyl acetate, etc. 249,320, renewed Nov. 13, 1948. O. G. Feb. 22. Class 6.

Publicker Industries Inc.: *See*—
Publicker, Inc.

Qualcast Limited, Derby, England. Lawn mowers and parts thereof. 307,175, Oct. 17, 1933. Republished Feb. 22. Class 23.

Quilici, Mary C.: *See*—
Call, A. F., Estate.

Racing Teal Ranch: *See*—
Cliff, A. B.

Randall, R. A., Jr.: *See*—
Union City Milling Co.

Rapinwax Paper Company, Minneapolis, Minn. Waxed wrapping paper. 506,974, Feb. 22; Serial No. 539,902, published Nov. 2, 1948. Class 37.

Raybestos-Manhattan, Inc., Passaic, N. J. Abrasive wheels. 506,896, Feb. 22; Serial No. 533,391, published Oct. 26, 1948. Class 4.

Recipe Foods, Inc., Baltimore, Md., assignee of Marks' Prize Recipe Foods. Salad dressing. 507,092, Feb. 22; Serial No. 498,132. Class 46.

Redlands Heights Groves: *See*—
Redlands Heights Groves, Inc.

Redlands Heights Groves, Inc., by Redlands Heights Groves, Redlands, Calif. Fresh citrus fruits. 197,728, Apr. 21, 1925. Republished Feb. 22. Class 46.

Redlands Heights Groves, Inc., by Redlands Heights Groves, Redlands, Calif. Fresh citrus fruit. 233,845, Oct. 11, 1927. Republished Feb. 22. Class 46.

Redlands Heights Groves, Inc., by Redlands Heights Groves, Redlands, Calif. Fresh citrus fruit. 320,134, Dec. 18, 1934. Republished Feb. 22. Class 46.

Redlands-Highlands Fruit Exchange, by Redlands Heights

Safeguard Corporation: *See*—

Siebe, Gorman & Company Limited, Tolworth, Surrey, England. Breathing apparatus. 83,138, Aug. 22, 1911.

Star Electric Motor Company, Bloomfield, N. J. Electric motors. 407,100, May 16, 1944. Republished Feb. 22.

Redlands-Highlands Fruit Exchange, by Redlands Heights Groves, Redlands, Calif. Fresh citrus fruits. 283,662, June 2, 1931. Republished Feb. 22. Class 46.

Red Wing Oil Burner Company: *See*—
Yarin, Irving H.

Refrigeration Corporation of Maryland, Baltimore, Md. Refrigerating cabinets. 285,095, July 14, 1931. Canceled. O. G. Feb. 22. Class 31.

Reid & Reid, St. Petersburg, Fla. Fresh citrus fruits. 421,586, June 4, 1946. Republished Feb. 22. Class 46.

Respondek, John E., doing business as St. Lawrence Company, Detroit, Mich. Compound to be used as a cough syrup and an herb and vitamin compound for use as a tonic. 503,145, Oct. 19, 1948. Corrected. O. G. Feb. 22. Class 6.

Review Publishing Company: *See*—
Christopher, Mike.

Resnor Manufacturing Company, Mercer, Pa. Heating furnaces and stoves, console heaters, fireplace heaters, etc. 506,981, Feb. 22; Serial No. 540,318, published Oct. 19, 1948. Class 34.

Richardson Corporation, Rochester, N. Y. Cocoa syrup. 255,803, renewed Apr. 30, 1949. O. G. Feb. 22. Classes 45 and 46.

Richgrove-Jasmine Citrus Association, Delano, Calif. Fresh citrus fruits. 392,135, Dec. 9, 1941. Republished Feb. 22. Class 46.

Rich-Marc Mfg. Co., Inc., New York, N. Y. Fountain pens, ball pointed pens, and mechanical pencils. 506,953, Feb. 22; Serial No. 538,039, published Oct. 12, 1948. Class 37.

Rig Company, The: *See*—
Guy, Ralph I.

Rigo Manufacturing Company, Nashville, Tenn. Mouth wash. 431,975, Aug. 12, 1947. Republished Feb. 22. Class 6.

Rio Farms: *See*—
Prospect Island Farming Company.

Rival Foods, Inc., Cambridge, Mass. Canned fruit, canned vegetables, canned fruit juices, etc. 506,918, Feb. 22; Serial No. 535,626, published Oct. 19, 1948. Class 46.

Robbins Tire & Rubber Company, Inc., Tuscumbia, Ala. Inner tubes for pneumatic tires. 507,101, Feb. 22; Serial No. 516,919. Class 35.

Roben Products, Inc., Des Moines, Iowa. Food supplement. 506,832, Feb. 22; Serial No. 520,418, published Nov. 2, 1948. Class 46.

Robinson & Golluber, to J. C. Penney Company, New York, N. Y. Cotton piece goods. 249,727, renewed Nov. 20, 1948. O. G. Feb. 22. Class 42.

Robinson & Golluber, to J. C. Penney Company, New York, N. Y. Piece goods. 249,796, renewed Nov. 20, 1948. O. G. Feb. 22. Class 42.

Rob Roy Ice Cream Co., Inc., Utica, to The Borden Company, New York, N. Y. Ice cream. 255,448, renewed Apr. 23, 1949. O. G. Feb. 22. Class 46.

Rodgers, Lowry Co.: *See*—
Halpen, Green & Co.

Rolls Razor, Inc.: *See*—
Rolls Razor (1927) Limited.

Rolls Razor (1927) Limited, London, England, to Rolls Razor, Inc., New York, N. Y. Hones and razor strops. 254,416, renewed Mar. 26, 1949. O. G. Feb. 22. Class 4.

Rose-Derry Company, Newton, Mass. Mattresses. 367,323, May 9, 1939. Republished Feb. 22. Class 32.

Rose-Derry Company, Newton, Mass. Mattresses. 371,559, Sept. 26, 1939. Republished Feb. 22. Class 32.

Rose-Derry Company, Newton, Mass. Beds, box springs, and mattresses. 380,044, Aug. 6, 1940. Republished Feb. 22. Class 32.

Rosenblatt, Louis B., Brooklyn, N. Y. News column. 507,056, Feb. 22; Serial No. 549,755, published Nov. 2, 1948. Class 38.

Ross, A. H., & Sons Co., Chicago, Ill. Leather. 383,734, Dec. 24, 1940. Republished Feb. 22. Class 1.

Ross, A. H., & Sons Co., Chicago, Ill. Leather. 384,350, Jan. 14, 1941. Republished Feb. 22. Class 1.

Rougier Freres Incorporated, Montreal, Quebec, Canada. Throat pastilles. 245,409, renewed Aug. 14, 1948. O. G. Feb. 22. Class 6.

Royal Manufacturing Company, to Royal Manufacturing Company, Inc., Allentown, Pa. Children's textile underwear. 246,186, renewed Sept. 4, 1948. O. G. Feb. 22. Class 39.

Royal Manufacturing Company, Inc.: *See*—
Royal Manufacturing Company.

Royal Packing Co., Los Angeles, Calif. Peeled green chili and vegetable sauces. 71,536, re-renewed Dec. 1, 1948. O. G. Feb. 22. Class 46.

Royal Sounders, Inc., Dayton, Ohio. Flavoring extracts. 506,808, Feb. 22; Serial No. 504,517, published Nov. 9, 1948. Class 46.

Rutenber Electric Co., Marion, Ind. Electric toasters. 146,604, Sept. 13, 1921. Republished Feb. 22. Class 21.

Rutenber Electric Company, Marion, Ind. Electric air heater. 196,505, Mar. 17, 1925. Republished Feb. 22. Class 21.

S. & G. Gump Company, San Francisco, Calif. Etchings, color prints of pictures, oil paintings, etc. 506,994, Feb. 22; Serial No. 541,287, published Oct. 26, 1948. Class 38.

Safeguard Corporation: *See*—
Safeguard, Inc.

Safeguard, Inc., New York, N. Y., by Safeguard Corporation, Lansdale, Pa. Machines for protecting bank checks and other negotiable papers. 324,416, May 21, 1935. Republished Feb. 22. Class 23.

St. Lawrence Company: *See*—
Respondek, John E.

Salomon Freres, Societe a Responsabilite Limitee, Pantin (Seine), France. Soaps. 506,946, Feb. 22; Serial No. 537,684, published Oct. 26, 1948. Class 4.

Sana-Scent Company, Newburgh, N. Y. Cleanser and detergent. 442,107, Feb. 22; Serial No. 515,517, published Oct. 26, 1948. Class 4.

Sanborn Hermanos, S. A., Mexico City, Mexico. Theatrical cold cream. 507,061, Feb. 22; Serial No. 551,476, published Oct. 26, 1948. Class 6.

San Fernando Heights Lemon Association: *See*—
San Fernando Heights Lemon Co.

San Fernando Heights Lemon Association, San Fernando, Calif. Fresh citrus fruit. 369,078, July 11, 1939. Republished Feb. 22. Class 46.

San Fernando Heights Lemon Co., by San Fernando Heights Lemon Association, San Fernando, Calif. Fresh lemons. 302,789, Apr. 25, 1933. Republished Feb. 22. Class 46.

Sapolin Co. Inc., to Sapolin Paints Inc., New York, N. Y. Metal polish. 254,324, renewed Mar. 19, 1949. O. G. Feb. 22. Class 4.

Sapolin Paints Inc.: *See*—
Sapolin Co. Inc.

Savarins, Inc., The, New York, to The Savarins, Inc., Long Island City, N. Y. Fruit preserves, pies, coffee cake, etc. 250,040, renewed Nov. 27, 1948. O. G. Feb. 22. Class 46.

Schenley Import Corporation, New York, N. Y. Wines. 371,764, Oct. 3, 1939. Republished Feb. 22. Class 47.

Schenley Import Corporation, New York, N. Y. Wines. 378,600, June 11, 1940. Republished Feb. 22. Class 47.

Schlitz, Jos. Brewing Company, by Jos. Schlitz Brewing Company (1933), Milwaukee, Wis. Lager beer. 87,489, July 16, 1912. Republished Feb. 22. Class 48.

Schlitz, Jos., Brewing Company (1933): *See*—
Schlitz, Jos., Brewing Company.

Schrank, M. C., Company, Bridgeton, N. J. Men's, women's, and children's pajamas and nightgowns. 255,062, renewed Apr. 9, 1949. O. G. Feb. 22. Class 39.

Schulmerich Electronics, Inc., Sellersville, Pa. Electronic amplifying apparatus, electrical sound-reproducing apparatus, etc. 428,412, Mar. 25, 1947. Republished Feb. 22. Class 21.

Schulmerich Electronics, Inc., Sellersville, Pa. Electrically operated carillon or chimes and mechanically grooved phonograph records. 433,936, Nov. 4, 1947. Republished Feb. 22. Class 36.

Schwarzenbach-Huber Company, The, New York, N. Y. Fabrics in the piece. 507,067, Feb. 22; Serial No. 553,408, published Oct. 26, 1948. Class 42.

Sea Island Mills, Incorporated, New York, N. Y. Water repellent cotton piece goods. 380,843, Sept. 3, 1940. Republished Feb. 22. Class 42.

Sea Island Mills, Incorporated, New York, N. Y. Piece goods. 407,174, May 23, 1944. Republished Feb. 22. Class 42.

Security Steel Equipment Corporation, Township of Woodbridge, N. J. Filing cases, cabinets, and stacks, etc. 506,955, Feb. 22; Serial No. 538,183, published Nov. 16, 1948. Class 32.

Sharp & Dohme, Incorporated, Baltimore, Md., to Sharp & Dohme, Incorporated, Philadelphia, Pa. Salt. 250,447, renewed Dec. 11, 1948. O. G. Feb. 22. Class 6.

Shaw & Halstead (Haircloth) Limited, Radcliffe, England. Interlinings being piece goods of worsted or hair. 506,926, Feb. 22; Serial No. 536,166, published Oct. 26, 1948. Class 42.

Sheesley, Jay R., doing business as Keystone Railway Equipment Company, Chicago, Ill. Dump car door locks. 507,108, Feb. 22; Serial No. 532,648. Class 19.

Shellmar Products Corporation, Chicago, Ill. Low water vapor permeability packaging materials in roll or sheet form. 506,903, Feb. 22; Serial No. 533,931, published Nov. 9, 1948. Class 37.

Sherwin-Williams Company, The, Cleveland, Ohio. Color chip compilations and printed publications. 442,120, Feb. 22; Serial No. 524,739, published Nov. 2, 1948. Class 38.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 507,037, Feb. 22; Serial No. 543,294, published Oct. 5, 1948. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Insecticides and fungicides. 507,038, Feb. 22; Serial No. 545,297, published Oct. 5, 1948. Class 6.

Sherwood Distilling Company, The: *See*—
Sherwood Distilling and Distributing Company, The.

Sherwood Distilling and Distributing Company, The, Baltimore, to The Sherwood Distilling Company, Westminster, Md. Whisky. 251,793, renewed Jan. 15, 1949. O. G. Feb. 22. Class 49.

Shur Gloss Mfg. Co., Chicago, Ill. Cleaning compound. 506,855, Feb. 22; Serial No. 528,522, published Nov. 9, 1948. Class 4.

Siebe, Gorman & Company Limited, Tolworth, Surrey, England. Breathing apparatus. 83,138, Aug. 22, 1911. Republished Feb. 22. Class 44

Siebe, Gorman & Company Limited, Tolworth, Surrey, England. Cylinders and capsules for compressed gas. 428,391, Mar. 25, 1947. Republished Feb. 22. Class 2.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. 506,988, Feb. 22; Serial No. 540,916, published Nov. 9, 1948. Class 32.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. 506,989, Feb. 22; Serial No. 540,919, published Nov. 2, 1948. Class 32.

Simmons Company, New York, N. Y. Mattresses, box springs, coil springs, etc. 506,990 Feb. 22; Serial No. 540,921, published Nov. 2, 1948. Class 32.

Simmons, George W., Corporation, New York, N. Y., by Plee-Zing, Inc., Chicago, Ill. Dried prunes, dried peaches, dried apricots, etc. 260,339, Aug. 20, 1929. Republished Feb. 22. Class 46.

Simmons, George W., Corporation, New York, N. Y., by Plee-Zing, Inc., Chicago, Ill. Composition books, shelf paper, wax paper, etc. 268,240, Mar. 11, 1930. Republished Feb. 22. Classes 5 and 37.

Simmons, George W., Corporation, New York, N. Y., assignor to George W. Simmons Corporation, by Plee-Zing, Inc., Chicago, Ill. Apple butter, bacon, boned-chicken products, etc. 269,472, Apr. 8, 1930. Republished Feb. 22. Class 46.

Simmons, George W., Corporation, New York, N. Y., assignor to George W. Simmons Corporation, by Plee-Zing, Inc., Chicago, Ill. Apple sauce, boned chicken products, butter, etc. 275,382, Sept. 23, 1930. Republished Feb. 22. Class 46.

Simpson, Orville, Company, The, Cincinnati, Ohio. Lawns for the ceramic industry, sizers, screens, etc. 296,200, Aug. 2, 1932. Republished Feb. 22. Class 23.

Sloan, Wm. L., New York, N. Y. Personal deodorant. 507,112, Feb. 22; Serial No. 541,890. Class 6.

Smith, Albert D., & Co., to Smith Textile Corporation, New York, N. Y. Shade cloth. 253,868, renewed Mar. 5, 1949. O. G. Feb. 22. Class 42.

Smith, J. P., Shoe Company: *See*—
Volk Bros. Company, Inc.

Smith, J. P., Shoe Company, Chicago, Ill. Ladies' handbags. 413,728, May 8, 1945. Republished Feb. 22. Class 3.

Smith, J. P., Shoe Company, Chicago, Ill. Men's shoes. 415,931, Aug. 21, 1945. Republished Feb. 22. Class 39.

Smith, James P. & Company, Inc., New York, N. Y. Certified virgin Italian olive oil. 420,004, Mar. 19, 1946. Republished Feb. 22. Class 46.

Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. 507,059, Feb. 22; Serial No. 551,329, published Nov. 9, 1948. Class 6.

Smith Textile Corporation: *See*—
Smith, Albert D., & Co.

Smith, Willard H., doing business as Smithstone Kennel Supply Co., Dublin, Pa. Dog and cat food. 506,924, Feb. 22; Serial No. 536,003, published Oct. 26, 1948. Class 46.

Smithstone Kennel Supply Co.: *See*—
Smith, Willard H.

Smucker, J. M., Co., The, Orrville, Ohio. Fruit preserves, jellies, jam, etc. 506,885, Feb. 22; Serial No. 532,512, published Oct. 19, 1948. Class 46.

Soabar Company, Philadelphia, Pa. Power pin-ticketing machines; power gummed label-marking machines, power sew-ticketing machines, etc. 273,185, Aug. 12, 1930. Republished Feb. 22. Class 28.

Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Product having antihistaminic properties. 507,057, Feb. 22; Serial No. 550,837, published Nov. 9, 1948. Class 6.

Sommers, Robert H., doing business as Vim-Tab Co., Chicago, Ill. Tonic tablet. 262,738, Oct. 22, 1929. Canceled. O. G. Feb. 22. Class 6.

Southern Mills, Inc., Atlanta, Ga. Cotton padding. 255,993, renewed May 7, 1949. O. G. Feb. 22. Class 42.

Spear Mills, Inc., Kansas City, Mo. Animal and poultry feeds. 442,114, Feb. 22; Serial No. 521,483, published Nov. 2, 1948. Class 46.

Sponge Rubber Products Company, The, Shelton, Conn. Shock cushioning resilient compressible mats, pads, nests, etc. 435,835, Jan. 13, 1948. Republished Feb. 22. Class 50.

Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 506,869, Feb. 22; Serial No. 530,972, published Oct. 12, 1948. Class 22.

Sport Products, Inc., Cincinnati, Ohio. Golf clubs. 506,870, Feb. 22; Serial No. 530,983, published Oct. 12, 1948. Class 22.

Squibb, W. P., Distilling Co., Inc., Vincennes, Ind. Whiskey. 506,833, Feb. 22; Serial No. 522,039, published Oct. 19, 1948. Class 49.

Stansfield, J. E., by Kern Valley Farms, Arvin, Calif. Fresh grapes. 402,245, July 13, 1943. Republished Feb. 22. Class 46.

Stansfield, J. E., Kern Valley Farms, Arvin, Calif. Grapes, fresh citrus fruit and fresh vegetables. 405,284, Jan. 18, 1944. Republished Feb. 22. Class 46.

Star Electric Motor Company, Bloomfield, N. J. Electric motors, electric generators, and electric fans. 174,738-9, Oct. 23, 1923. Republished Feb. 22. Class 21.

Star Electric Motor Company, Bloomfield, N. J. Electric motors. 407,100, May 16, 1944. Republished Feb. 22. Class 21.

Star Electric Motor Company, Bloomfield, N. J. Electric motors. 407,786, June 27, 1944. Republished Feb. 22. Class 21.

Stauffer Chemical Company, San Francisco, Calif. Sulphur. 507,071, Feb. 22; Serial No. 554,436, published Nov. 9, 1948. Class 6.

Sterling Drug Inc.: *See*—
Ayer Company, The.

Stevens & Thompson Paper Co., Greenwich, N. Y. Toilet paper. 291,905, Feb. 23, 1932. Republished Feb. 22. Class 37.

Stevens & Thompson Paper Company, Greenwich, N. Y. Toilet tissue. 506,980, Feb. 22; Serial No. 540,120, published Nov. 2, 1948. Class 37.

Stillman Company, The: *See*—
Bereman, J. H.

Stillman Freckle Cream Co.: *See*—
Bereman, J. H.

Stratford Pen Corporation, New York, N. Y. Fountain pens and pencils. 506,914, Feb. 22; Serial No. 534,936, published Oct. 12, 1948. Class 37.

Strean, L. P., Laboratories Inc., New Rochelle, assignor to Atlantic Manufacturing Corporation, Brooklyn, N. Y. Fluoride product. 442,110, Feb. 22; Serial No. 518,261, published June 29, 1948. Class 6.

Stromeyer, J., Company, Philadelphia, Pa. Molasses. 506,815, Feb. 22; Serial No. 510,125, published Oct. 26, 1948. Class 46.

Submerged Combustion Company of America, Inc., Hammond, Ind. Burners for direct combustion of fuel. 506,809, Feb. 22; Serial No. 504,801, published Oct. 19, 1948. Class 34.

Suchard Société Anonyme, to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Chocolate. 88,886, re-renewed May 5, 1948. O. G. Feb. 22. Class 46.

Sunny Cal Bottling Company, Kansas City, Kans. Fruit flavored soft drink and concentrate. 442,094, Feb. 22; Serial No. 503,232, published Apr. 22, 1947. Class 45.

Swank, Inc., Attleboro, Mass. Jewelry. 507,110, Feb. 22; Serial No. 535,763. Class 28.

Sylvania Electric Products Inc.: *See*—
Sylvania Products Company.

Sylvania Products Company, Emporium, Pa., to Sylvania Electric Products Inc., Salem, Mass. Radio electron tubes and electric lamps. 250,048, renewed Nov. 27, 1948. O. G. Feb. 22. Class 21.

Talens & Son, Inc., Newark, N. J. Artists' pastel crayons. 506,915, Feb. 22; Serial No. 534,940, published Oct. 26, 1948. Class 37.

Taylor Chemical Company, The: *See*—
Landrum, Samuel L.

Tendersweet Sales Corporation: *See*—
Iowa Canning Company.

Thermoid Company: *See*—
Thermoid Rubber Company.

Thermoid Rubber Company, Hamilton Township, Trenton, Mercer County, to Thermoid Company, Trenton, N. J. Brake linings. 256,447, renewed May 14, 1949. O. G. Feb. 22. Class 35.

Tip Top Creamery Co., Vincennes, Ind. Butter. 248,908, renewed Nov. 6, 1948. O. G. Feb. 22. Class 46.

Titman Egg Company: *See*—
Titman Egg Corporation.

Titman Egg Corporation, to Titman Egg Company, New York, N. Y. Frozen eggs. 249,339, renewed Nov. 13, 1948. O. G. Feb. 22. Class 46.

Topps Chewing Gum: *See*—
Topps Chewing Gum, Incorporated.

Topps Chewing Gum, Incorporated: *See*—
Bubbles Inc.

Topps Chewing Gum, Incorporated, Brooklyn, N. Y., assignee of Topps Chewing Gum. Chewing Gum. 506,803, Feb. 22; Serial No. 497,756, published Nov. 2, 1948. Class 46.

Toy Founders Incorporated, Detroit, Mich. Mechanical fish toy. 507,102, Feb. 22; Serial No. 518,492. Class 22.

Treatment Service and Engineering Company: *See*—
Heal, James H.

Triangle Publications, Inc., Philadelphia, Pa. Broadcasting facsimile editions of a newspaper. 507,084, Feb. 22; Serial No. 528,830, published Nov. 9, 1948. Class 55.

Tribune Company, Chicago, Ill. Series of cartoons. 506,802, Feb. 22; Serial No. 483,194, published Oct. 26, 1948. Class 38.

Tripp, Chester D., doing business as Economic Trend Line Studies, Chicago, Ill. Periodicals. 506,933, Feb. 22; Serial No. 536,734, published Nov. 2, 1948. Class 38.

Truax-Traer Coal Company: *See*—
West Virginia Southern Coal Company.

Truscon Steel Company, Youngstown, Ohio. Highway road guards and parts thereof. 506,976, Feb. 22; Serial No. 539,996, published Oct. 19, 1948. Class 12.

Twitchell, E. W., Incorporated, Philadelphia, Pa. Cellophane envelopes. 507,111, Feb. 22; Serial No. 538,470. Class 2.

Union City Milling Co, to B. A. Randall, Jr., doing business as Union City Milling Co., Union City, Mich. Wheat flour and self rising flour. 247,281, renewed Sept. 25, 1948. O. G. Feb. 22. Class 46.

Union Premier Food Stores, Inc., by Food Fair Stores, Inc., Philadelphia, Pa. Butter and eggs. 366,223, Apr. 4, 1939. Republished Feb. 22. Class 46.
United Engineering and Foundry Company, Pittsburgh, Pa. Monthly publication. 507,012, Feb. 22; Serial No. 543,019, published Oct. 26, 1948. Class 38.
U. S. Automatic Corporation, Amherst, Ohio. Screw machine products. 442,090, Feb. 22; Serial No. 486,012, published Nov. 2, 1948. Class 13.
United States Cabinet Bed Co., New York, N. Y., by Eclipse Sleep Products Inc., Brooklyn, N. Y. Beds. 257,977, June 25, 1929. Republished Feb. 22. Class 32.
United States Cabinet Bed Co., by Eclipse Sleep Products Inc., Brooklyn, N. Y. Beds. 347,931, July 13, 1937. Republished Feb. 22. Class 32.
United States Plywood Corporation, New York, N. Y. Plywood. 507,053, Feb. 22; Serial No. 549,097, published Nov. 2, 1948. Class 12.
United States Rubber Company, New York, N. Y. Rubber tires. 507,065, Feb. 22. Serial No. 532,617, published Nov. 9, 1948. Class 35.
Valladares, Manuel, New York, N. Y. Wood-encased pencils, mechanical pencils, pen points, etc. 506,870, Feb. 22; Serial No. 532,071, published Nov. 2, 1948. Class 37.
Valmor Products Co., Chicago, Ill. Cocoanut oil shampoo, pressing oil, massage cream, etc. 506,873, Feb. 22; Serial No. 531,554, published Nov. 9, 1948. Class 6.
Vestal Lumber & Manufacturing Company, Knoxville, Tenn. Logs and wood. 506,812, Feb. 22; Serial No. 508,501, published Nov. 2, 1948. Class 1.
Victor Balata & Textile Belting Co., New York, N. Y. Liquid belt dressing. 507,100, Feb. 22; Serial No. 515,970. Class 4.
Vim-Tab Co.: *See*—
Sommers, Robert H.
Vogarell Products Company: *See*—
Lewis, Rosemarie.
Volk Bros. Company, Inc., Dallas, Tex., by J. P. Smith Shoe Company, Chicago, Ill. Shoes. 335,391, June 2, 1936. Republished Feb. 22. Class 39.
Waegemans, E., & Son, Inc.: *See*—
Whitcomb, Joseph, & Co.
Walker Vitamin Products, Inc., Mount Vernon, N. Y. Capsules. 507,064, Feb. 22; Serial No. 552,023, published Nov. 9, 1948. Class 6.
Wallace & Co., Brooklyn, N. Y. Chocolates. 442,098, Feb. 22. Serial No. 507,166, published Oct. 26, 1948. Class 46.
Wallerstein Company, Inc., New York, N. Y. Malt and grain concentrate. 506,883, Feb. 22; Serial No. 530,134, published Oct. 19, 1948. Class 48.
Wallworth, C. Gilbert, & Co., Philadelphia, Pa. Surgical waste. 410,233, Nov. 14, 1944. Republished Feb. 22. Class 44.
Walter, Werner: *See*—
Wonder Products Company.
Wanamaker, John, New York, New York, N. Y. Modern home furnishings. 255,457, Apr. 23, 1929. Republished Feb. 22. Class 32.
Wanamaker, John, New York, New York, N. Y. Shoes. 330,023, Nov. 19, 1935. Republished Feb. 22. Class 39.
Warren, S. D., Company, Boston, Mass. Printing paper. 507,116, Feb. 22; Serial No. 542,735. Class 37.
Washougal Woolen Mills, Washougal, Wash. Woven, knitted, and netted textile piece goods. 507,039, Feb. 22; Serial No. 545,802, published Oct. 26, 1948. Class 42.
Waterman, L. E., Company, New York, N. Y. Writing ink. 72,285–6, re-renewed Jan. 12, 1949. O. G. Feb. 22. Class 11.
Watson-Park Company, Boston, Mass. Various chemical preparations. 277,935, Dec. 2, 1930. Canceled. O. G. Feb. 22. Class 6.
Weil & Company: *See*—
Weppner Weil Company, The.
Welcome Wagon Service Company, Inc., New York, N. Y. Printed folders. 442,117, Feb. 22; Serial No. 522,889, published Nov. 2, 1948. Class 38.
Wells Lamont Corporation: *See*—
Wells-Lamont Manufacturing Co.
Wells-Lamont Manufacturing Co., Minneapolis, Minn., to Wells Lamont Corporation, Chicago, Ill. Workingmen's gloves. 251,827, renewed Jan. 1, 1949. O. G. Feb. 22. Class 39.
Weppner Weil Company, The, by Weil & Company, Cleveland, Ohio. Coffee. 256,588, May 21, 1929. Republished Feb. 22. Class 46.
Weppner Weil Company, The, Weil & Company, Cleveland, Ohio. Coffee. 262,271, Oct. 1, 1929. Republished Feb. 22. Class 46.
Western Fire Protection, Inc., Los Angeles, Calif. Fire fighting equipment. 442,103, Feb. 22; Serial No. 513,084, published Oct. 26, 1948. Class 13.
West Virginia Southern Coal Company, Huntington, W. Va., to Truax-Traer Coal Company, Chicago, Ill. Coal. 243,573, renewed June 26, 1948. O. G. Feb. 22. Class 1.
Weyand, B. T., doing business as Weyand & Co., Seattle, Wash. Canned salmon. 506,858, Feb. 22; Serial No. 528,972, published Sept. 14, 1948. Class 46.
Weyand & Co.: *See*—
Weyand, B. T.
Whitcomb, Joseph, & Co., Springfield, Mass., by E. Waegemans & Son, Inc., Bridgeport, Conn. Cigars. 153,058, Mar. 7, 1922. Republished Feb. 22. Class 17.
White, Wilbur, Chemical Company, Inc., The, Owega, N. Y., by Franklin Research Company, Philadelphia, Pa. Wax emulsion. 302,907, May 2, 1933. Republished Feb. 22. Class 6.
Whitehall Pharmacal Company: *See*—
Curran Laboratories, Inc.
Whiteman Food Products Company, Philadelphia, Pa. Salad dressing. 507,109, Feb. 22; Serial No. 534,494. Class 46.
Wholesale Grocers Exchange, Inc., Richmond, Va. Canned fruits, canned vegetables, coffee, etc. 221,052, Nov. 23, 1926. Republished Feb. 22. Class 46.
Wholesale Grocers Exchange, Inc., Richmond, Va. Tea, canned fruits, canned vegetables, etc. 221,053, Nov. 23, 1926. Republished Feb. 22. Class 46.
Wholesale Grocers Exchange, Inc., Richmond, Va. Canned fruits, canned vegetables, tomato catchup, etc. 221,054, Nov. 23, 1926. Republished Feb. 22. Class 46.
Wilbur & Williams Paint Corporation, The, Boston, Mass. Rubber base paints. 507,115, Feb. 22; Serial No. 542,495. Class 16.
Wilco Products, Inc., Philadelphia, Pa. Combination index and memorandum pad holder. 506,945, Feb. 22; Serial No. 537,644, published Nov. 2, 1948. Class 37.
Williams, C. K., & Co.: *See*—
Mepham, Geo. S., Corporation.
Williams Farms Company, Oxnard, Calif. Fresh vegetables. 506,942, Feb. 22; Serial No. 537,536, published Nov. 2, 1948. Class 46.
Williams, J. F., & Co., Inc., Rochester, N. Y. Children's mattresses. 506,889, Feb. 22; Serial No. 533,219, published Nov. 2, 1948. Class 32.
Willoughby Camera Stores, Inc., New York, N. Y. Cameras, sensitized photographic plates and films, etc. 300,972, Feb. 14, 1933. Canceled. O. G. Feb. 22. Class 26.
Witchell-Sheill Co., by The Athletic Shoe Company, Chicago, Ill. Athletic shoes. 324,181, May 14, 1935. Republished Feb. 22. Class 39.
Witco Chemical Company, Chicago, Ill. Zinc soap. 442,106, Feb. 22; Serial No. 515,008, published Oct. 26, 1948. Class 6.
Wolf Brothers & Co., Red Lion, Pa. Cigars. 507,032, Feb. 22; Serial No. 544,492, published Nov. 16, 1948. Class 17.
Wolwin Chair Company, The, Willoughby, Ohio. Lounge chairs. 506,998, Feb. 22; Serial No. 541,722, published Nov. 9, 1948. Class 32.
Women's Wear Company: *See*—
Fairchild Publications, Inc.
Wonder Products Company, by Werner Walter, Canton, Ohio. Toilet bowl cleaner. 372,183, Oct. 24, 1939. Republished Feb. 22. Class 4.
Wood Conversion Company, St. Paul, Minn. Low-density structural wood fiber board. 506,960, Feb. 22; Serial No. 538,995, published Sept. 28, 1948. Class 12.
Wood, Gar, Industries, Inc.: *See*—
Buckeye Traction Ditcher Company, The.
Wooden Shoe Brewing Company, The, Minster, Ohio. Beer and ale. 506,913, Feb. 22; Serial No. 534,849, published Oct. 26, 1948. Class 48.
Woolworth, F. W., Co.: *See*—
Chipman Knitting Mills.
Woolworth, F. W., Co., Watertown and New York, N. Y. Hammers, saws, and auger bits. 338,813, Sept. 15, 1936. Republished Feb. 22. Class 23.
Wortendyke Manufacturing Co., Richmond, Va. Gummed sealing tape. 506,866, Feb. 22; Serial No. 530,612, published Oct. 26, 1948. Class 5.
Yarin, Irving H., doing business as Red Wing Oil Burner Company, Chelsea, Mass. Oil burners and parts thereof. 442,112, Feb. 22; Serial No. 520,850, published Oct. 19, 1948. Class 24.
York Street Flax Spinning Co. Limited, Belfast, Ireland. Dyed linen piece goods and dyed union piece goods. 507,034, Feb. 22; Serial No. 544,629, published Oct. 26, 1948. Class 42.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. West Virginia Southern Coal Company. 243,573, renewed June 26, 1948. O. G. Feb. 22.
Coal, coke, kindling wood, etc. National Co-Operatives, Inc. 377,942, May 21, 1940. Republished Feb. 22.
Leather. Monarch Leather Company. 506,818, Feb. 22; Serial No. 513,445, published Nov. 2, 1948.
Leather. Monarch Leather Company. 506,819, Feb. 22; Serial No. 513,447, published Nov. 2, 1948.
Leather. A. H. Ross & Sons Co. 383,734, Dec. 24, 1940. Republished Feb. 22.
Leather. A. H. Ross & Sons Co. 384,350, Jan. 14, 1941. Republished Feb. 22.
Logs and wood. Vestal Lumber & Manufacturing Company. 506,812, Feb. 22; Serial No. 508,501, published Nov. 2, 1948.
Packing and packing material. The Belmont Packing & Rubber Company. 321,984, Feb. 19, 1935. Republished Feb. 22.
Pelts, Mink. Mutation Mink Breeders Association. 442,089, Feb. 22; Serial No. 483,437, published Aug. 13, 1946.
Plastic composition in sheet form. H. J. Heribert. 417,194, Oct. 16, 1945. Canceled. O. G. Feb. 22.
Rosin. Newport Industries, Inc. 507,028, Feb. 22; Serial No. 543,977, published Oct. 26, 1948.
Seeds, Field. E. F. Burlingham & Sons. 506,875, Feb. 22; Serial No. 531,643, published Nov. 9, 1948.
Turkey poults, chicks, hatching eggs, etc. National Co-Operatives, Inc. 389,560, Aug. 12, 1941. Republished Feb. 22.
Vinyl ester or esters, Polymerized. E. I. du Pont de Nemours and Company. 507,021, Feb. 22; Serial No. 543,575, published Oct. 26, 1948.

CLASS 2

Bags and sacks. Bemis Bro. Bag Company. 506,846, Feb. 22; Serial No. 526,864, published Aug. 3, 1948.
Bags and sacks. Bemis Bro. Bag Company. 506,847, Feb. 22; Serial No. 526,888, published July 20, 1948.
Bags and sacks, Fabric. Bemis Bro. Bag Company. 506,843, Feb. 22; Serial No. 526,848, published Aug. 3, 1948.
Bags and sacks, Fabric and paper. Bemis Bro. Bag Company. 506,845, Feb. 22; Serial No. 526,862, published Aug. 3, 1948.
Bags and sacks, Paper. Bemis Bro. Bag Company. 506,816, Feb. 22; Serial No. 510,997, published Aug. 3, 1948.
Bags, Fabric. Bemis Bro. Bag Company. 506,842, Feb. 22; Serial No. 526,841, published July 27, 1948.
Bags, Fabric. Bemis Bro. Bag Company. 506,848, Feb. 22; Serial No. 526,890, published July 20, 1948.
Boxes and cartoons, Folding cardboard and paper-board, and cut and scored blanks therefor. National Folding Box Company, Inc. 506,839, Feb. 22; Serial No. 524,075, published Nov. 16, 1948.
Cylinders and capsules for compressed gas. Siebe, Gorman & Company, Limited. 428,391, Mar. 25, 1947. Republished Feb. 22.
Envelopes, Cellophane. E. W. Twitchell, Incorporated. 507,111, Feb. 22; Serial No. 538,470.
Holder, Collapsible combination shoe and cane and umbrella. D. Eisenberg. 442,097, Feb. 22; Serial No. 506,232, published Nov. 9, 1948.
Mailing-envelopes, Parcel-post. Bemis Bro. Bag Company. 506,844, Feb. 22; Serial No. 526,861, published Nov. 9, 1948.

CLASS 3

Handbags, Ladies'. J. P. Smith Shoe Company. 413,728, May 8, 1945. Republished Feb. 22.

CLASS 4

Abrasive wheels. Raybestos-Manhattan, Inc. 506,896, Feb. 22; Serial No. 533,391, published Oct. 26, 1948.
Antislipping preparations. Hydro-Chemical Company Incorporated. 506,966, Feb. 22; Serial No. 539,418, published Nov. 2, 1948.
Bicarbonate of soda, lye, salsoda, etc. The Grocers & Producers Co. 264,868, Dec. 10, 1929. Republished Feb. 22.
Chemical preparation for bottle washing and food machinery cleaning. The Diversey Corporation. 507,002, Feb. 22; Serial No. 542,014, published Oct. 26, 1948.
Cleaner, Hand, chemical abrasive compound, and liquid polish. Dif Corporation. 506,859, Feb. 22; Serial No. 529,370, published Oct. 26, 1948.
Cleaner, Toilet bowl. Wonder Products Company. 372,183, Oct. 24, 1939. Republished Feb. 22.
Cleaner, Wall paper, rug shampoo, dry cleaner, etc. Clover Farm Stores Corporation. 507,070, Feb. 22; Serial No. 554,093, published Nov. 2, 1948.
Cleaning and scouring compound. Oakite Products, Inc. 256,213, renewed May 7, 1949. O. G. Feb. 22.
Cleaning compound. Shur Gloss Mfg. Co. 506,855, Feb. 22; Serial No. 528,522, published Nov. 9, 1948.
Cleanser. Hobb-Swetnam Company, Inc. 507,076, Feb. 22; Serial No. 560,267, published Oct. 12, 1948.
Cleanser and detergent. Sana-Scent Company. 442,107, Feb. 22; Serial No. 515,517, published Oct. 26, 1948.
Detergent, Inorganic. Diamond Alkali Company. 507,078, Feb. 22; Serial No. 561,891, published Nov. 2, 1948.
Detergent, Inorganic. Diamond Alkali Company. 507,079, Feb. 22; Serial No. 561,902, published Nov. 2, 1948.
Dressing, Liquid belt. Victor Balata & Textile Belting Co. 507,100, Feb. 22; Serial No. 515,970.
Hones and razor strops. Rolls Razor (1927) Limited. 254,416, renewed Mar. 26, 1949. O. G. Feb. 22.
Jewelry, watches and eyeglass cleaner. Connoisseurs Gift Shop, Inc. 506,958, Feb. 22; Serial No. 538,497, published Oct. 5, 1948.
Polish for leather goods. Barton Manufacturing Company. 506,911, Feb. 22; Serial No. 534,591, published Nov. 9, 1948.
Polish, Metal. Sapolin Co. Inc. 254,324, renewed Mar. 19, 1949. O. G. Feb. 22.
Polish, Shoe. The Best Foods, Inc. 507,118, Feb. 22; Serial No. 546,349.
Preparation of acids and other ingredients for the removal of rust and stains. The Midland Chemical Laboratories, Inc. 253,748, renewed Mar. 5, 1940. O. G. Feb. 22.
Shaving cream, Brushless; lather shaving cream. Clover Farm Stores Corporation. 316,286, Aug. 21, 1934. Republished Feb. 22.
Soap. Conti Products Corporation. 507,046, Feb. 22; Serial No. 547,405, published Oct. 26, 1948.
Soap. Great Stuff Products, Inc. 506,871, Feb. 22; Serial No. 531,028, published Nov. 2, 1948.
Soap, Lucien Leland, Inc. 506,923, Feb. 22; Serial No. 536,974, published Nov. 2, 1948.
Soap, Hygienic. National Retailer-Owned Grocers, Inc. 345,127, Apr. 13, 1937. Canceled. O. G. Feb. 22.
Soap impregnated metallic wool pads. Club Aluminum Products Co. 391,270, Oct. 28, 1941. Canceled. O. G. Feb. 22.
Soap, Toilet, laundry soap, granulated soap, etc. The Grocers & Producers Co. 290,469, Jan. 5, 1932. Republished Feb. 22.
Soaps. Salomon Freres Societe a Responsabilite Limitee. 506,946, Feb. 22; Serial No. 537,684, published Oct. 26, 1948.
Spot remover. Brannan and Ross Chemical Products Co. 442,113, Feb. 22; Serial No. 521,318, published Oct. 12, 1948.

CLASS 5

Books, Composition, shelf paper, wax paper, etc. George W. Simmons Corporation. 268,240, Mar. 11, 1930. Republished Feb. 22.
Cards, Index, letter and card indexes, crayons, etc. National Co-Operatives, Inc. 378,447, June 11, 1940. Republished Feb. 22.
Cement, Adhesive. H. J. Heribert. 418,461, Dec. 25, 1945. Canceled. O. G. Feb. 22.
Tape, Gummed sealing. Wortendyke Manufacturing Co. 506,866, Feb. 22; Serial No. 530,612, published Oct. 26, 1948.

CLASS 6

Acetone, methyl-ethyl ketone, methyl ethyl ketone anhydrous alcohol solvent. Kessler Chemical Corporation. 323,513, Apr. 16, 1935. Republished Feb. 22.
Addition agent for electroplating solutions, Liquid. MacDermid Incorporated. 506,822, Feb. 22; Serial No. 515,887, published Nov. 9, 1948.
Antiseptic cream ointment. R. J. Moran Co. 507,049, Feb. 22; Serial No. 547,647, published Oct. 19, 1948.
Antiseptic, insecticides, germicide, etc., Chemical. Monroe Laboratories, Inc. 506,932, Feb. 22; Serial No. 536,707, published Nov. 9, 1948.
Antispasmodic preparation. Parke, Davis & Company. 506,925, Feb. 22; Serial No. 536,124, published Nov. 9, 1948.
Arsenical compound. Abbott Laboratories. 506,834, Feb. 22; Serial No. 522,872, published June 1, 1948.
Bicarbonate of soda, lye, salsoda, etc. The Grocers & Producers Co. 264,868, Dec. 10, 1929. Republished Feb. 22.
Boric acid powder, calomel, spirits of camphor, etc. National Co-Operatives, Inc. 379,235, July 9, 1940. Republished Feb. 22.
Cake makeup. Richard Hudnut. 507,052, Feb. 22; Serial No. 548,818, published Oct. 19, 1948.
Calcium preparation. R. I. Guy. 507,022, Feb. 22; Serial No. 543,705, published Nov. 9, 1948.
Capsules. Walker Vitamin Products, Inc. 507,064, Feb. 22; Serial No. 552,023, published Nov. 9, 1948.
Chemical compounds. The Denver Chemical Manufacturing Company. 405,820, Feb. 22, 1944. Republished Feb. 22.

Chemical compounds. Haas-Miller Corporation. 432,621,
Ointment, Skin. R. Lewis. 507,068, Feb. 22; Serial No.

CLASS 10

CLASS 16

Paint, Paste. Armstrong Paint & Varnish Works. 506,985,

Chemical compounds. Haas-Miller Corporation. 432,621, Sept. 9, 1947. Republished Feb. 22.
Chemical ingredient, Active. Hercules Powder Company. 436,667, Feb. 17, 1948. Canceled. O. G. Feb. 22.
Chemical preparations, Various. Watson-Park Company. 277,935, Dec. 2, 1930. Canceled. O. G. Feb. 22.
Chemicals, Water treatment. J. H. Heal. 507,096, Feb. 22 ; Serial No. 509,281.
Chemotherapeutic agent. Parke, Davis & Company. 507,047, Feb. 22 ; Serial No. 547,479, published Oct. 19, 1948.
Chemotherapeutic agent. Parke, Davis & Company. 507,063, Feb. 22 ; Serial No. 552,000, published Nov. 9, 1948.
Cholagogues and choleretics. Ames Company, Inc. 435,692, Jan. 6, 1948. Republished Feb. 22.
Cold cream, Theatrical. Sanborn Hermanos, S. A. 507,061, Feb. 22 ; Serial No. 551,476, published Oct. 26, 1948.
Cologne, bay rum, deodorant, etc. John Hudson Moore, Inc. 442,102, Feb. 22 ; Serial No. 512,079, published Oct. 5, 1948.
Compound to be used as a cough syrup and an herb and vitamin compound for use as a tonic. J. E. Reapondek. 503,145, Oct. 19, 1948. Corrected. O. G. Feb. 22.
Cosmetic kits and dispensing devices. C. E. McNutt. 506,883, Feb. 22 ; Serial No. 532,473, published Aug. 17, 1948.
Cosmetics. Curran Laboratories, Inc. 251,800, renewed Jan. 15, 1949. O. G. Feb. 22.
Cough syrup. Bacon Products Company. 507,119, Feb. 22 ; Serial No. 548,908.
Cream. Sun tan liquid. Jantsen Knitting Mills. 397,576, Sept. 3, 1942. Republished Feb. 22.
Deodorant, Personal. W. L. Sloan. 507,112, Feb. 22 ; Serial No. 541,890.
Dolomite, Selectively calcined. G. & W. H. Corson. 383,369, Dec. 3, 1940. Republished Feb. 22.
Ear drops. Doho Chemical Corporation. 309,463, Jan. 16, 1934. Republished Feb. 22.
Ear drops, Doho Chemical Corporation. 350,399, Sept. 28, 1937. Republished Feb. 22.
Emulsion, Wax. The Wilbur White Chemical Company, Inc. 302,907, May 22, 1933. Republished Feb. 22.
Ethyl acetate, butyl acetate, amyl acetate, etc. Publicker. 442,118, Feb. 22 ; Serial No. 523,267, published Nov. 9, 1948.
Face cream, face lotion, face powder, etc. Harriet Hubbard Ayer, Inc. 507,004, Feb. 22 ; Serial No. 542,268, published Oct. 26, 1948.
Face powder, rouge and lipstick. Richard Hudnut. 442,118, Feb. 22 ; Serial No. 523,267, published Nov. 9, 1948.
Fluoride product. L. P. Strean Laboratories Inc. 442,110, Feb. 22 ; Serial No. 518,261, published June 29, 1948.
Food, Medicinal. Allen & Hanburys, Limited. 253,419, renewed Feb. 26, 1949. O. G. Feb. 22.
Glycerine, sweet oil, spirits of nitre, etc. Clover Farm Stores Corporation. 316,543, Aug. 28, 1934. Republished Feb. 22.
Hair rinse. Ar-Jay Laboratories, Incorporated. 399,562, Jan. 19, 1943. Republished Feb. 22.
Insecticide. C. E. Jones. 362,350, Nov. 15, 1938. Republished Feb. 22.
Insecticide. Michigan Chemical Corporation. 442,099, Feb. 22 ; Serial No. 508,540, published Nov. 9, 1948.
Insecticides. S. L. Landrum. 500,104, Apr. 13, 1948. Canceled. O. G. Feb. 22.
Insecticides and fungicides. The Sherwin-Williams Company. 507,037, Feb. 22 ; Serial No. 545,294, published Oct. 5, 1948.
Insecticides and fungicides. The Sherwin-Williams Company. 507,038, Feb. 22 ; Serial No. 545,297, published Oct. 5, 1948.
Iodine preparation. R. I. Guy. 507,023, Feb. 22 ; Serial No. 543,706, published Nov. 9, 1948.
Laxative. The Harrower Laboratory, Inc. 507,058, Feb. 22 ; Serial No. 551,101, published Nov. 9, 1948.
Laxatives. R. I. Guy. 507,024, Feb. 22 ; Serial No. 543,710, published Nov. 9, 1948.
Medicinal powder. W. R. Baker. 506,838, Feb. 22 ; Serial No. 523,453, published Nov. 9, 1948.
Medicinal preparation. The Ayer Company. 255,661, renewed Apr. 30, 1949. O. G. Feb. 22.
Medicinal preparation. The Denver Chemical Manufacturing Company. 44,419, July 4, 1905. Republished Feb. 22.
Medicinal preparation. The Denver Chemical Manufacturing Company. 404,462, Nov. 23, 1943. Republished Feb. 22.
Medicinal preparation. Desbergers Limited. 506,916, Feb. 22 ; Serial No. 535,004, published Nov. 9, 1948.
Medicinal preparation, Eli Lily and Company. 506,952, Feb. 22 ; Serial No. 538,016, published Oct. 12, 1948.
Medicinal preparations. The E. L. Patch Company. 507,062, Feb. 22 ; Serial No. 551,815, published Nov. 9, 1948.
Mixture of ascorbic acid and citric acid. Chas. Pfizer & Co., Inc. 434,073, Nov. 4, 1947. Republished Feb. 22.
Mouth wash. Rigo Manufacturing Company. 431,975, Aug. 12, 1947. Republished Feb. 22.
Ointment. W. R. Baker. 506,837, Feb. 22 ; Serial No. 523,452, published Nov. 9. 1948.
Ointment. Chicago Pharmacal Company. 506,967, Feb. 22 ; Serial No. 539,491, published Aug. 24, 1948.
Ointment. R. Lewis. 507,069, Feb. 22 ; Serial No. 553,875, published Nov. 9, 1948.
Ointment, Skin. R. Lewis. 507,068, Feb. 22 ; Serial No. 553,874, published Nov. 9, 1948.
Osmotherapeutic treatment of ear diseases. Doho Chemical Corporation. 357,151, May 24, 1938. Republished Feb. 22.
Pastilles, Throat. Rougier Freres Incorporated. 245,409, renewed Aug. 14, 1948. O. G. Feb. 22.
Perfume, toilet water and perfumed liquid bath preparation. Caron Corporation. 507,045, Feb. 22 ; Serial No. 547,320, published Nov. 9, 1948.
Perfume, toilet water, eau de cologne, etc. Chanel, Inc. 422,335, July 16, 1946. Republished Feb. 22.
Perfume, toilet water, lipstick, etc. Houbigant, Inc. 506,919, Feb. 22 ; Serial No. 535,844, published Nov. 9, 1948.
Perfumes, toilet water, bath oil, etc. Haviland Laboratories, Inc. 506,910, Feb. 22 ; Serial No. 534,438, published Nov. 9, 1948.
Petroleum jelly. Newbro Manufacturing Company. 507,117, Feb. 22 ; Serial No. 542,871.
Powders, washes, soaps, etc. Dresdener Chemisches Laboratorium Lingner. 30,942, re-renewed Dec. 7, 1947. O. G. Feb. 22.
Preparation for the treatment of coccidiosis. Ebersole-Gaetz-Rhodes Co. 428,653, Apr. 1, 1947. Republished Feb. 22.
Preparation for use in treatment of skin irritation of the feet due to a special condition of ringworm known as "athlete's foot." Ormont Drug & Chemical Co., Inc. 442,092, Feb. 22 ; Serial No. 499,962, published Mar. 11, 1947.
Preparation in dried, liquid or solid form. C. J. Martin & Sons. 410,605, Dec. 5, 1944. Republished Feb. 22.
Preparation in tablet or powder form. Wm. P. Poythress & Co. Inc. 397,405, Sept. 8, 1942. Republished Feb. 22.
Product having antihistaminic properties. Societe Des Usines Chimiques Rhone-Poulenc. 507,057, Feb. 22 ; Serial No. 550,837, published Nov. 9, 1948.
Reagent, Dry. The Denver Chemical Manufacturing Company. 357,121, May 24, 1938. Republished Feb. 22.
Salt. Sharp & Dohme, Incorporated. 250,447, renewed Dec. 11, 1948. O. G. Feb. 22.
Shampoo, Cocoanut oil, pressing oil, massage cream, etc. Valmor Products Co. 506,873, Feb. 22 ; Serial No. 531,554, published Nov. 9, 1948.
Silicate of soda. Philadelphia Quartz Company. 507,035, Feb. 22 ; Serial No. 544,656, published Nov. 9, 1948.
Soap, Zinc. Witco Chemical Company. 442,106, Feb. 22 ; Serial No. 515,008, published Oct. 26, 1948.
Sodium antimonate, thermalin, and tin oxide. Metal & Thermit Corporation. 250,743, renewed Dec. 18, 1948. O. G. Feb. 22.
Sodium penicillin, Crystalline. Bristol Laboratories Inc. 506,900, Feb. 22 ; Serial No. 533,843, published Nov. 9, 1948.
Solution and a scale salt. Mulford Colloid Laboratories. 349,186, Aug. 24, 1937. Republished Feb. 22.
Solution to be used as a coating, finish, or lacquer for textiles, etc. H. J. Heribert. 419,478, Feb. 19, 1946. Canceled. O. G. Feb. 22.
Spray, Fly. National Co-Operatives, Inc. 357,735, June 14, 1938. Republished Feb. 22.
Sulfonamide preparation. Smith, Kline & French Laboratories. 507,059, Feb. 22 ; Serial No. 551,329, published Nov. 9, 1948.
Sulphur. Stauffer Chemical Company. 507,071, Feb. 22 ; Serial No. 554,436, published Nov. 9, 1948.
Tablet used in the treatment of peptic ulcers and other disorders of the gastro-intestinal tract. Irwin, Neisler & Company. 507,029, Feb. 22 ; Serial No. 544,088, published Oct. 26, 1948.
Toilet preparations. J. H. Bereman. 251,731, renewed Jan. 15, 1949. O. G. Feb. 22.
Tonic for hair and scalp. De Loney & Company, Inc. 506,817, Feb. 22 ; Serial No. 513,300, published Oct. 26, 1948.
Tonic tablet. R. H. Sommers. 262,738, Oct. 22, 1929. Canceled. O. G. Feb. 22.
Tooth powder and mouth lotion. H. R. Brown. 507,055, Feb. 22 ; Serial No. 549,614, published Nov. 9, 1948.
Veterinary preparation. H. W. Naylor. 435,985, Jan. 20, 1948. Republished Feb. 22.
Vitamin B-complex extract derived from yeast. Cornell Pharmacal Co. 442,100, Feb. 22 ; Serial No. 510,013, published Aug. 17, 1948.
Vitamin B preparation. R. I. Guy. 507,025, Feb. 22 ; Serial No. 543,711, published Nov. 9, 1948.
Wave lotion, Permanent, hair-end cream, hair lacquer, etc. L. Napolitan. 506,963, Feb. 22 ; Serial No. 539,071, published Nov. 9, 1948.

CLASS 8

Cases, Cigarette. Illinois Watch Case Co. 507,007, Feb. 22 ; Serial No. 542,765, published Oct. 26, 1948.
Cases, Cigarette. Pioneer Suspender Company. 506,828, Feb. 22 ; Serial No. 518,970, published Oct. 26, 1948.
Cases, Cigarette. Pioneer Suspender Company. 506,841, Feb. 22 ; Serial No. 526,546, published Aug. 10, 1948.
Electrically operated apparatus and parts thereof. National Co-Operatives, Inc. 386,642, Apr. 22, 1941. Republished Feb. 22.

CLASS 10

Coal, coke, kindling wood, etc. National Co-Operatives, Inc. 377,942, May 21, 1940. Republished Feb. 22.

CLASS 11

Carbon paper, Carbon and manifolding. Autographic Register Company. 506,880, Feb. 22 ; Serial No. 532,105, published Nov. 9, 1948.
Ink, Writing. L. E. Waterman Company. 72,285–6, renewed Jan. 12, 1949. O. G. Feb. 22.

CLASS 12

Awnings, Ventilated metal. National Blow Pipe & Mfg. Co., Ltd. 507,107, Feb. 22 ; Serial No. 530,421.
Colors for masonry materials. Geo. S. Mepham Corporation. 507,044, Feb. 22 ; Serial No. 546,717, published Oct. 19, 1948.
Concrete blocks and concrete cinder blocks. H. J. Condo. 507,054, Feb. 22 ; Serial No. 549,122, published Nov. 2, 1948.
Concrete products. Bergen Building Block Inc. 506,940, Feb. 22 ; Serial No. 537,406, published Nov. 9, 1948.
Fiber board, Low-density structural wood. Wood Conversion Company. 506,960, Feb. 22 ; Serial No. 538,695, published Sept. 28, 1948.
Firebrick. Mexico Refractories Company. 507,003, Feb. 22 ; Serial No. 542,035, published Oct. 5, 1948.
Firebrick. Mexico Refractories Company. 507,033, Feb. 22 ; Serial No. 544,589, published Sept. 28, 1948.
Grating and open flooring, Metallic. Blaw-Knox Company. 507,017, Feb. 22 ; Serial No. 543,372, published Nov. 9, 1948.
Insulating material, Thermal. D. S. Bennion. 442,093, Feb. 22 ; Serial No. 500,205, published Dec. 30, 1947.
Plywood. United States Plywood Corporation. 507,053, Feb. 22 ; Serial No. 549,097, published Nov. 2, 1948.
Refractory material, Castable. Pilbrico Jointless Firebrick Company. 507,036, Feb. 22 ; Serial No. 545,160, published Sept. 28, 1948.
Road guards and parts thereof, Highway. Truscon Steel Company. 506,976, Feb. 22 ; Serial No. 539,996, published Oct. 19, 1948.
Sash, Metal window, metal window frames, metal window casements, etc. Corry-Jamestown Manufacturing Corporation. 442,111, Feb. 22 ; Serial No. 518,753, published Oct. 19, 1948.
Screen and window, All-aluminum combination. American Millwork Company. 507,051, Feb. 22 ; Serial No. 548,226, published Nov. 2, 1948.
Tarpaulins, Waterproof canvas. C. R. Daniels, Inc. 255,548, renewed Apr. 23, 1949. O. G. Feb. 22.

CLASS 13

Bars, Galvanized. E. P. D'Azzo. 442,095, Feb. 22 ; Serial No. 503,978, published Nov. 2, 1948.
Cards, Index, letter and card indexes, crayons, etc. National Co-Operatives, Inc. 378,447, June 11, 1940. Republished Feb. 22.
Chambered floats. The Ayling & Reichert Co. 507,080, Feb. 22 ; Serial No. 564,497, published Oct. 26, 1948.
Cookers and pressure canners, Pressure. National Pressure Cooker Company. 506,813, Feb. 22 ; Serial No. 509,786, published Sept. 28, 1948.
Cooking, kitchen, and household ware, Porcelain enamel coated base metal. The Canton Stamping & Enameling Company. 506,897–8, Feb. 22 ; Serial Nos. 533,532–3, published Oct. 26, 1948.
Fasteners, Flexible or hinged belt. Flexible Steel Lacing Co. 183,808, May 6, 1924. Corrected. O. G. Feb. 22.
Fasteners, Flexible or hinged belt. Flexible Steel Lacing Co. 412,091, Feb. 20, 1945. Corrected. O. G. Feb. 22.
Fasteners, Flexible or hinged belt. Flexible Steel Lacing Co. 414,307, June 5, 1945. Corrected. O. G. Feb. 22.
Fire fighting equipment. Western Fire Protection, Inc. 442,103, Feb. 22 ; Serial No. 513,084, published Oct. 26, 1948.
Hardware. H. L. Judd Company. 442,104, Feb. 22 ; Serial No. 513,825, published Oct. 26, 1948.
Hardware, Building. National Co-Operatives, Inc. 380,280, Aug. 20, 1940. Republished Feb. 22.
Pipe, pipe fittings, fluid shut-off valves, etc. Glascote Products, Inc. 506,826, Feb. 22 ; Serial No. 517,991, published Nov. 2, 1948.
Screw machine products. U. S. Automatic Corporation. 442,090, Feb. 22 ; Serial No. 486,012, published Nov. 2, 1948.
Tubing, Steel and copper. R. J. Fuite. 442,105, Feb. 22 ; Serial No. 514,337, published Oct. 26, 1948.
Washers, Spring. Philadelphia Steel and Wire Corporation. 407,799–800, June 27, 1944. Republished Feb. 22.

CLASS 14

Metals, Ferrous, and ferrous metal castings and forgings. The American Rolling Mill Company. 503,390, Oct. 26, 1948. Corrected. O. G. Feb. 22.

CLASS 15

Oils, Gasoline and motor-fuel. Humble Oil & Refining Company. 250,838, renewed Dec. 18, 1948. O. G. Feb. 22.

CLASS 16

Paint, Paste. Armstrong Paint & Varnish Works. 506,985, Feb. 22 ; Serial No. 540,624, published Oct. 19, 1948.
Paint, Ready-mixed oil, varnish, and paint enamel. New Method Paint Co. 442,115, Feb. 22 ; Serial No. 521,606, published Apr. 13, 1948.
Paints, Rubber base. The Wilber & Williams Paint Corporation. 507,115, Feb. 22 ; Serial No. 542,495.
Paints, varnishes, wood fillers, etc. John Lucas & Company, Inc. 442,122, Feb. 22 ; Serial No. 525,891, published Oct. 5, 1948.
Polishing and waxing preparations. The A. S. Harrison Company. 506,908, Feb. 22 ; Serial No. 534,279, published Nov. 9, 1948.
Varnish. Minnesota Linseed Oil Paint Co. 506,969, Feb. 22 ; Serial No. 539,606, published Nov. 16, 1948.
Varnishes. Martin Varnish Company. 250,280, renewed Dec. 4, 1948. O. G. Feb. 22.
Wax, Self-polishing, and furniture polish. J. W. Moyer. 506,954, Feb. 22 ; Serial No. 538,167, published Oct. 19, 1948.

CLASS 17

Cigarettes. The Creamette Company. 507,026, Feb. 22 ; Serial No. 543,897, published Oct. 26, 1948.
Cigarettes. P. Lorillard Company. 506,836, Feb. 22 ; Serial No. 523,397, published Nov. 23, 1948.
Cigarettes. P. Lorillard Company. 506,936, Feb. 22 ; Serial No. 536,926, published Nov. 2, 1948.
Cigars. Amb-A-Tip Cigar Company. 442,101, Feb. 22 ; Serial No. 511,438, published Oct. 26, 1948.
Cigars. Compahia General de Tabacos de Filipina. 71,285, re-renewed Nov. 17, 1948. O. G. Feb. 22.
Cigars. Consolidated Cigar Corporation. 507,005, Feb. 22 ; Serial No. 542,446, published Nov. 9, 1948.
Cigars. Jose Escalante & Co. 506,890, Feb. 22 ; Serial No. 533,238, published Nov. 2, 1948.
Cigars. Jose Escalante & Co. 506,891, Feb. 22 ; Serial No. 533,240, published Nov. 2, 1948.
Cigars. Jose Escalante & Co. 506,892, Feb. 22 ; Serial No. 533,242, published Oct. 26, 1948.
Cigars. Jose Escalante & Co. 506,893, Feb. 22 ; Serial No. 533,246, published Nov. 2, 1948.
Cigars. Jose Escalante & Co. 506,894, Feb. 22 ; Serial No. 533,247, published Oct. 26, 1948.
Cigars. H. Fendrich, Inc. 226,846–7, Apr. 19, 1927. Republished Feb. 22.
Cigars. H. Fendrich, Inc. 360,151, Sept. 6, 1938. Republished Feb. 22.
Cigars. H. Fendrich, Inc. 362,780–1, Nov. 29, 1938. Republished Feb. 22.
Cigars. P. Lorillard Company. 442,121, Feb. 22 ; Serial No. 525,624, published Oct. 26, 1948.
Cigars. Joseph Whitecomb & Co. 153,058, Mar. 7, 1922. Republished Feb. 22.
Cigars. Wolf Brothers & Co. 507,032, Feb. 22 ; Serial No. 544,492, published Nov. 16, 1948.
Tobacco, Chewing. P. Lorillard Company. 506,935, Feb. 22 ; Serial No. 536,919, published Nov. 16, 1948.
Tobacco, Chewing and smoking. The Bloch Brothers Tobacco Co. 506,970–1, Feb. 22 ; Serial Nos. 539,632–3, published Oct. 26, 1948.
Tobacco, Chewing and smoking. The Bloch Brothers Tobacco Co. 506,972, Feb. 22 ; Serial No. 539,635, published Oct. 26, 1948.
Tobacco, Chewing and smoking. The Bloch Brothers Tobacco Co. 506,973, Feb. 22 ; Serial No. 539,637, published Nov. 16, 1948.
Tobacco, Smoking. P. Lorillard Company. 506,934, Feb. 22 ; Serial No. 536,914, published Nov. 2, 1948.
Tobacco, Smoking. Christian Peper Tobacco Company. 337,879, Aug. 25, 1936. Republished Feb. 22.
Tobacco, Smoking. Christian Peper Tobacco Company. 375,069, Feb. 6, 1940. Republished Feb. 22.

CLASS 19

Dump car door locks. J. R. Sheesley. 507,108, Feb. 22 ; Serial No. 532,648.
Electrically operated apparatus and parts thereof. National Co-Operatives, Inc. 386,642, Apr. 22, 1941. Republished Feb. 22.

CLASS 21

Amplifying apparatus, Electronic, electrical sound-reproducing apparatus, etc. Schulmerich Electronics, Inc. 428,412, Mar. 25, 1947. Republished Feb. 22.
Electrically operated apparatus and parts thereof. National Co-Operatives, Inc. 386,642, Apr. 22, 1941. Republished Feb. 22.
Electrodes, Electrical contacts and welding. P. R. Mallory & Co., Incorporated. 325,632, July 2, 1935. Republished Feb. 22.
Electron tubes, Radio, and electric lamps. Sylvania Products Company. 250,048, renewed Nov. 27, 1948. O. G. Feb. 22.
Fence chargers, Electric, electric fence insulators, electric fence fasteners, etc. Northern Signal Company, Inc. 506,805, Feb. 22 ; Serial No. 503,460, published Oct. 26, 1948.
Fire alarm systems and pressure-operated circuit closures, therefor, Pressure-operated automatic electric. Globe Automatic Sprinkler Company. 305,863, Aug. 29, 1933. Republished Feb. 22.

Furnaces and parts thereof and their associated switchboards, high frequency electric, etc. Ajax Electro-
Razors, Electric. National Co-Operatives, Inc. 359,039. Aug. 2, 1938. Republished Feb. 22.

Mounting for coins, Display. D. R. Denis. 442,116, Feb. 22 ; Serial No. 522,074, published Nov. 2, 1948.
Bristol board, poster board, and blanks. Brownville Board Company. 506,806, Feb. 22 ; Serial No. 503,798, published Oct. 12, 1948.

Furnaces and parts thereof and their associated switchboards, high frequency electric, etc. Ajax Electrothermic Corporation. 146,157, Sept. 6, 1921. Republished Feb. 22.
Heater, Electric air. Rutenber Electric Company. 195,505, Mar. 17, 1925. Republished Feb. 22.
Insulating compound, Ceramic electric. Henry L. Crowley & Company, Inc. 252,646, renewed Feb. 12, 1949. O. G. Feb. 22.
Motors, Electric. Star Electric Motor Company. 407,100, May 16, 1944. Republished Feb. 22.
Motors, Electric. Star Electric Motor Company. 407,786, June 27, 1944. Republished Feb. 22.
Motors, electric generators, and electric fans, Electric. Star Electric Motor Company. 174,738–9, Oct. 23, 1923. Republished Feb. 22.
Receivers, Radio and television. Gilfillan Bros. Incorporated. 506,824, Feb. 22; Serial No. 517,633, published Oct. 19, 1948.
Receivers, Radio, phono-radio combinations, and radio kits. Allied Radio Corporation. 506,820, Feb. 22; Serial No. 513,646, published Oct. 19, 1948.
Receiving sets and parts thereof, Radio. Continental Tire Corporation. 210,499, Mar. 16, 1926. Republished Feb. 22.
Toasters, Electric. Rutenber Electric Co. 146,604, Sept. 13, 1921. Republished Feb. 22.
Vacuum cleaners, food mixers, fans, etc., Electrically operated. National Co-Operatives, Inc. 357,727, June 14, 1938. Republished Feb. 22.

CLASS 22

Bait, Artificial. A. A. Bale. 507,105, Feb. 22; Serial No. 522,653.
Bat having a hole in its center fitted with a net for use in playing a game. The Bat-O-Net Company. 507,106, Feb. 22; Serial No. 523,172.
Buckets or tanks, Aerated minnow. Clark, Reid Manufacturing Co., Inc. 507,104, Feb. 22; Serial No. 521,148.
Fishing reels. Aircraft Specialties Company. 507,093, Feb. 22; Serial No. 498,572.
Fishing reels. Bronson Reel Company. 506,962, Feb. 22; Serial No. 538,877, published Oct. 5, 1948.
Game in the nature of a bowling game and parts thereof. National Skee-Ball Company, Inc. 256,496, renewed May 21, 1949. O. G. Feb. 22.
Golf clubs. Sport Products, Inc. 506,869, Feb. 22; Serial No. 530,972, published Oct. 12, 1948.
Golf clubs. Sport Products, Inc. 506,870, Feb. 22; Serial No. 530,983, published Oct. 12, 1948.
Riding devices, Amusement. L. L. Custer. 506,835, Feb. 22; Serial No. 523,042, published Oct. 5, 1948.
Skipping and jumping ropes, Children's. Knox-Reese Manufacturers. 506,854, Feb. 22; Serial No. 528,289, published Oct. 5, 1948.
Toy, Mechanical fish. Toy Founders Incorporated. 507,102, Feb. 22; Serial No. 518,492.

CLASS 23

Cards, Index, letter and card indexes, crayons, etc. National Co-Operatives, Inc. 378,447, June 11, 1940. Republished Feb. 22.
Choppers, Meat, coffee mills, fruit presses, etc. The Enterprise Manufacturing Company of Pennsylvania. 195,718, Mar. 3, 1925. Republished Feb. 22.
Digging machines, Ditch, clay and sand digging machines, soil pulverising machines, etc. The Buckeye Traction Ditcher Company. 369,401, July 25, 1939. Republished Feb. 22.
Drilling engines, engine pumps, and parts used in the oil industry. Ajax Iron Works. 166,251, Mar. 27, 1923. Republished Feb. 22.
Drying machines. Philadelphia Textile Machinery Company. 31,821, July 19, 1898. Republished Feb. 22.
Extractors, Vegetable and fruit juice. The Enterprise Manufacturing Company of Pennsylvania. 346,653, June 1, 1937. Republished Feb. 22.
Hammers, saws and auger bits. F. W. Woolworth Co. 338,813, Sept. 15, 1936. Republished Feb. 22.
Hardware, Building. National Co-Operatives, Inc. 380,280, Aug. 20, 1940. Republished Feb. 22.
Lathes, Metal-working. The Bullard Company. 404,209, Nov. 9, 1943. Canceled. O. G. Feb. 22.
Lawns for the ceramic industry, sizers, screens, etc. The Orville Simpson Company. 296,200, Aug. 2, 1932. Republished Feb. 22.
Machines for protecting bank checks and other negotiable papers, Safeguard, Inc. 324,416, May 21, 1935. Republished Feb. 22.
Meat-chopping machines and meat-presses. The Enterprise Manufacturing Company of Pennsylvania. 56,956, Oct. 30, 1906. Republished Feb. 22.
Motors, Water, and portable hand fire extinguishers. Globe Automatic Sprinkler Company. 301,670, Mar. 7, 1933. Republished Feb. 22.
Mowers, Lawn, and parts thereof. Qualcast Limited. 307,175, Oct. 17, 1923. Republished Feb. 22.
Pin-ticketing machines; power gummed label-marking machines, power sew-ticketing machines, etc., Power. Scobar Company. 273,785, Aug. 12, 1930. Republished Feb. 22.
Razors, Electric. National Co-Operatives, Inc. 359,039. Aug. 2, 1938. Republished Feb. 22.
Screens, Perforated metal. Hendrick Manufacturing Company. 234,455, renewed Mar. 26, 1940. O. G. Feb. 22.
Slicing machines. Globe Slicing Machine Co., Inc. 421,157, May 21, 1946. Republished Feb. 22.
Slicing machines. Globe Slicing Machine Co., Inc. 421,162, May 21, 1946. Republished Feb. 22.
Systems for the automatic control of fire doors, windows, ventilators, etc. Globe Automatic Sprinkler Company. 287,364, Feb. 18, 1930. Republished Feb. 22.
Tools, Automotive repair. Kent-Moore Organization. 196,119, Mar. 10, 1925. Republished Feb. 22.
Tractors. Duplex Printing Press Co. 332,728, Feb. 25, 1936. Republished Feb. 22.

CLASS 26

Cameras, sensitized photographic plates and films, etc. Willoughby Camera Stores, Inc. 300,972, Feb. 14, 1933. Canceled. O. G. Feb. 22.

CLASS 28

Buckles for belts and shoes and metal extension and enlargement devices for watch straps, etc. A & Z Chain Company. 256,169, renewed May 7, 1949. O. G. Feb. 22.
Jewelry. Swank, Inc. 507,110, Feb. 22; Serial No. 535,763.

CLASS 30

Dinnerware and cooking ware, Ceramic. Eastern Outfitting Co. of Los Angeles, Calif. 372,773, Nov. 14, 1939. Republished Feb. 22.

CLASS 31

Hardware, Building. National Co-Operatives, Inc. 380,280, Aug. 20, 1940. Republished Feb. 22.
Oil filters. Pick Manufacturing Company. 507,006, Feb. 22; Serial No. 542,647, published Oct. 26, 1948.
Refrigerating cabinets. Refrigeration Corporation of Maryland. 285,095, July 14, 1931. Canceled. O. G. Feb. 22.
Refrigerators, Electric. The Associated Merchandising Corporation. 507,048, Feb. 22; Serial No. 547,504, published Nov. 2, 1948.
Water conditioning equipment. Norwood Filtration Company. 506,830, Feb. 22; Serial No. 519,487, published Nov. 2, 1948.

CLASS 32

Beds. United States Cabinet Bed Co. 257,977, June 25, 1929. Republished Feb. 22.
Beds. United States Cabinet Bed Co. 347,931, July 13, 1937. Republished Feb. 22.
Beds, box springs, and mattresses. Rose-Derry Company. 380,044, Aug. 6, 1940. Republished Feb. 22.
Beds, dressers, chests, etc. Mellin-Quincy Manufacturing Co., Inc. 442,124, Feb. 22; Serial No. 518,611.
Cards, Index, letter and card indexes, crayons, etc. National Co-Operatives, Inc. 378,447, June 11, 1940. Republished Feb. 22.
Chairs, Lounge. The Wolwin Chair Company. 506,998. Feb. 22; Serial No. 541,722, published Nov. 9, 1948.
Desks, tables, filing cabinets. Clemco Desk Mfg. Co. 297,601, Sept. 20, 1932. Republished Feb. 22.
Desks, tables, stands, etc. The Clemetsen Company. 105,717–8, Aug. 17, 1915. Republished Feb. 22.
Filing cases, cabinets, and stacks, etc. Security Steel Equipment Corporation. 506,955, Feb. 22; Serial No. 538,183, published Nov. 16, 1948.
Furniture, etc., Living room, bedroom, and dining room. Eastern-Columbia, Inc. 385,607, Mar. 11, 1941. Republished Feb. 22.
Furniture, Household. Monitor Furniture Co., Inc. 506,921–2, Feb. 22; Serial Nos. 535,862–3, published Nov. 2, 1948.
Hassocks. Ero Manufacturing Company. 506,874, Feb. 22; Serial No. 531,582, published Apr. 20, 1948.
Home furnishings, Modern. John Wanamaker New York. 255,457, Apr. 23, 1929. Republished Feb. 22.
Inner spring units for mattresses. Kay Manufacturing Corporation. 371,890, Oct. 10, 1939. Republished Feb. 22.
Mattresses. Eastern Outfitting Co. of Los Angeles, Calif. 333,021, Mar. 10, 1936. Republished Feb. 22.
Mattresses. Jordan Marsh Company. 506,878, Feb. 22; Serial No. 531,804, published Nov. 2, 1948.
Mattresses. Rose-Derry Company. 367,323, May 9, 1939. Republished Feb. 22.
Mattresses. Rose-Derry Company. 371,559, Sept. 26, 1939. Republished Feb. 22.
Mattresses, box springs, coil springs, etc. Simmons Company. 506,988, Feb. 22; Serial No. 540,916, published Nov. 9, 1948.
Mattresses, box springs, coil springs, etc. Simmons Company. 506,989, Feb. 22; Serial No. 540,919, published Nov. 2, 1948.
Mattresses, box springs, coil springs, etc. Simmons Company. 506,990, Feb. 22; Serial No. 540,921, published Nov. 2, 1948.
Mattresses, Children's. J. F. Williams Co., Inc. 506,889, Feb. 22; Serial No. 533,219, published Nov. 2, 1948.

Mounting for coins, Display. D. B. Denis. 442,116, Feb. 22; Serial No. 522,074, published Nov. 2, 1948.
Spring assemblies and spring coils. Comfort Spring Corporation. 506,912, Feb. 22; Serial No. 534,750, published Nov. 16, 1948.
Tables and chairs, Combined. The Babee-Tenda Corporation. 506,986, Feb. 22; Serial No. 540,763, published Nov. 16, 1948.

CLASS 34

Burners. The Denver Fire Clay Company. 130,172, Apr. 13, 1920. Republished Feb. 22.
Burners and parts thereof, Oil. I. H. Yarin. 442,112, Feb. 22; Serial No. 520,850, published Oct. 19, 1948.
Burners for direct combustion of fuel. Submerged Combustion Company of America, Inc. 506,806, Feb. 22; Serial No. 504,801, published Oct. 19, 1948.
Collars, color screens, cover glasses, etc. Corning Glass Works. 442,088, Feb. 22; Serial No. 474,480, published Oct. 19, 1948.
Crucibles. Joseph Dixon Crucible Company. 507,043, Feb. 22; Serial No. 546,682, published Nov. 9, 1948.
Electrically operated apparatus and parts thereof. National Co-Operatives, Inc. 386,642, Apr. 22, 1941. Republished Feb. 22.
Furnace fan. Holland Furnace Company. 506,856, Feb. 22; Serial No. 528,628, published Oct. 19, 1948.
Furnaces, Gas burning floor and wall. Mutual Liquid Gas and Equipment Co. Inc. 442,108, Feb. 22; Serial No. 516,029, published Oct. 19, 1948.
Furnaces, Gas fired and oil fired. The Heil Co. 506,948, Feb. 22; Serial No. 537,764, published Nov. 9, 1948.
Furnaces, Heating, and stoves, console heaters, fireplace heaters, etc. Reznor Manufacturing Company. 506,981, Feb. 22; Serial No. 540,318, published Oct. 19, 1948.
Furnaces, ovens, and air heaters, Gas and oil fired industrial. The Foundry Equipment Company. 506,810, Feb. 22; Serial No. 507,579, published Oct. 19, 1948.
Hardware, Building. National Co-Operatives, Inc. 380,280, Aug. 20, 1940. Republished Feb. 22.
Heaters, Space. Lonergan Manufacturing Company. 506,887, Feb. 22; Serial No. 532,839, published Oct. 19, 1948.
Heating equipment, Warm-air. Liberty Foundry Company. 506,850, Feb. 22; Serial No. 527,436, published Oct. 19, 1948.
Lighting apparatus and railway signal lamps and lanterns, Acetylene. The Adams & Westlake Company. 73,131, re-renewed Mar. 16, 1949. O. G. Feb. 22.
Ranges, Coal, coal and gas combination ranges, oil and gas combination ranges, etc. Early Foundry Co. 506,992. Feb. 22; Serial No. 540,987, published Nov. 9, 1948.
Stove pipe, space heaters. Jackes-Evans Manufacturing Company. 506,852. Feb. 22; Serial No. 527,592, published Nov. 9, 1948.
Stoves, Gas. Cory Corporation. 506,904, Feb. 22; Serial No. 534,093, published Oct. 19, 1948.
Ventilators for cooking equipment. Dohrmann Hotel Supply Co. 442,096. Feb. 22; Serial No. 505,151, published Dec. 31, 1946.
Ventilators, Window. Langtot Inc. 442,119. Feb. 22; Serial No. 523,785, published Oct. 19, 1948.

CLASS 35

Belting, Leather. Holyoke Belting Company. 506,909. Feb. 22; Serial No. 534,264, published Nov. 9, 1948.
Belting, Leather, and leather packing. Page Belting Company. 507,041, Feb. 22; Serial No. 546,323, published Nov. 9, 1948.
Belting, V-shaped. The Dayton Rubber Manufacturing Company. 398,729, Nov. 17, 1942. Republished Feb. 22.
Inner tubes. The Polson Rubber Company. 506,941, Feb. 22; Serial No. 537,500, published Nov. 9, 1948.
Inner tubes for pneumatic tires. Robbins Tire & Rubber Company, Inc. 507,101, Feb. 22; Serial No. 516,919.
Linings, Brake. Thermoid Rubber Company. 256,447, renewed May 14, 1949. O. G. Feb. 22.
Packing and packing material. The Belmont Packing & Rubber Company. 321,984, Feb. 19, 1935. Republished Feb. 22.
Tires, Rubber. United States Rubber Company. 507,065, Feb. 22; Serial No. 552,617, published Nov. 9, 1948.
Tires, Vehicle. Corduroy Rubber Company. 506,931, Feb. 22; Serial No. 536,671, published Nov. 9, 1948.

CLASS 36

Carillon or chimes, Electrically operated, and mechanically grooved phonograph records. Schulmerich Electronics, Inc. 433,937. Nov. 4, 1947. Republished Feb. 22.
Strings for violins. Buegeleisen & Jacobson. 60,406, renewed Feb. 5, 1947. O. G. Feb. 22.

CLASS 37

Binding elements, Ring-type. General Binding Corporation. 506,902, Feb. 22; Serial No. 533,876, published Oct. 19, 1948.
Books, Composition, shelf paper, wax paper, etc. George W. Simmons Corporation. 268,240, Mar. 11, 1930. Republished Feb. 22.
Box-liner. N. Andrews. 506,993. Feb. 22; Serial No. 541,067, published Oct. 19, 1948.
Bristol board, poster board, and blanks. Brownville Board Company. 506,906, Feb. 22; Serial No. 503,798, published Oct. 12, 1948.
Cards and sheets, Blank. Karolton Envelope Company. 506,949–50, Feb. 22; Serial Nos. 537,802–3, published Nov. 9, 1948.
Cards, Index, letter and card indexes, crayons, etc. National Co-Operatives, Inc. 378,447, June 11, 1940. Republished Feb. 22.
Crayons. Eberhard Faber Pencil Company. 506,975, Feb. 22; Serial No. 539,944, published Nov. 2, 1948.
Crayons, Artists' pastel. Talens & Son, Inc. 506,915, Feb. 22; Serial No. 534,940, published Oct. 26, 1948.
Envelopes, Church contribution. Duplex Envelope Co. Inc. 218,844, Oct. 5, 1926. Republished Feb. 22.
Envelopes, Correspondence. Coast Envelope Company. 154,001, Apr. 4, 1922. Republished Feb. 22.
Facial tissues. Associated Merchandising Corporation. 506,982, Feb. 22; Serial No. 540,364, published Oct. 19, 1948.
Index and memorandum pad holder, Combination. Wilco Products, Inc. 506,945, Feb. 22; Serial No. 537,644, published Nov. 2, 1948.
Packaging materials in roll or sheet form, Low water vapor permeability. Shellmar Products Corporation. 506,903, Feb. 22; Serial No. 533,931, published Nov. 9, 1948.
Paper. Hollingsworth & Vose Company. 506,943, Feb. 22; Serial No. 537,589, published Oct. 12, 1948.
Paper and stationery, Printed, engraved, and blank correspondence. Milprint, Inc. 506,807, Feb. 22; Serial No. 503,823, published Nov. 2, 1948.
Paper, Bond, laid bond paper, ledger paper, etc. Howard Paper Mills, Inc. 506,882, Feb. 22; Serial No. 530,001, published Sept. 28, 1948.
Paper, Bond, ledger, writing, map, book, index and onionskin, boxed stationery, tablets and manuscript cover. Neenah Paper Company. 507,010–11, Feb. 22; Serial Nos. 542,869–70, published Nov. 2, 1948.
Paper, Book. The Martin Cantine Company. 506,997, Feb. 22; Serial No. 541,559, published Nov. 2, 1948.
Paper, Boxed writing, writing tablets, envelopes, and pound papers. Powers Paper Co. 506,947, Feb. 22; Serial No. 537,729, published Oct. 19, 1948.
Paper, Creped waterproof wrapping and lining. National Waterproofing Company. 507,020, Feb. 22; Serial No. 543,518, published Nov. 9, 1948.
Paper, Enameled book. The Martin Cantine Company. 506,996, Feb. 22; Serial No. 541,556, published Oct. 26, 1948.
Paper, Envelope. The Champion Paper and Fibre Company. 506,849, Feb. 22; Serial No. 527,299, published Oct. 26, 1948.
Paper, etc., Bond, ledger, writing, map, book, index and onionskin. Neenah Paper Company. 507,008, Feb. 22; Serial No. 542,862, published Nov. 9, 1948.
Paper, etc., Bond, ledger, writing, map, book, index and onionskin. Neenah Paper Company. 507,009, Feb. 22; Serial No. 542,865, published Nov. 9, 1948.
Paper napkins. American Lace Paper Company. 276,613, Oct. 21, 1930. Republished Feb. 22.
Paper of low transparency, Non-greaseproof glassine. The Glassine Greaseproof Manufacturers Association. 507,091, Feb. 22; Serial No. 537,175, published Oct. 19, 1948.
Paper, Printing. Chope-Stevens Paper Company. 254,353, renewed Mar. 19, 1949. O. G. Feb. 22.
Paper, Printing. Fletcher Paper Company. 506,886, Feb. 22; Serial No. 532,670, published Nov. 2, 1948.
Paper, Printing. S. D. Warren Company. 507,116, Feb. 22; Serial No. 542,735.
Paper, Semi-greaseproof glassine. The Glassine & Greaseproof Manufacturers Association. 507,090, Feb. 22; Serial No. 537,174, published Oct. 19, 1948.
Paper table-cloth, toilet paper in rolls, paper toweling in rolls, etc. Northern Paper Mills. 115,376, Feb. 6, 1917. Republished Feb. 22.
Paper tape. News Projection Corporation. 294,876, June 7, 1932. Republished Feb. 22.
Paper, Toilet. Northern Paper Mills. 169,174, June 12, 1923. Republished Feb. 22.
Paper, Toilet. Stevens & Thompson Paper Co. 291,905, Feb. 23, 1932. Republished Feb. 22.
Paper towels and tissue paper. Mainco Trading Co. 506,987, Feb. 22; Serial No. 540,840, published Oct. 19, 1948.
Paper towels and toilet tissue. Crown Zellerbach Corporation. 507,001, Feb. 22; Serial No. 542,013, published Nov. 2, 1948.
Paper wadding. American Lace Paper Company. 176,435, Nov. 27, 1923. Republished Feb. 22.
Paper, Waterproof wrapping and lining. National Waterproofing Company. 507,018–19, Feb. 22; Serial Nos. 543,516–17, published Nov. 9, 1948.
Paper, Waxed wrapping. Rapinwax Paper Company. 506,974, Feb. 22; Serial No. 539,902, published Nov. 2, 1948.
Paper, Wrapping. The Anchor Paper Company. 506,821, Feb. 22; Serial No. 514,928, published Oct. 19, 1948.
Paper, Writing, envelopes, pound or bulk writing paper. Eaton Paper Corporation. 317,107, Sept. 11, 1934. Republished Feb. 22.
Paper, Writing, printing paper and envelopes. Eaton, Crane & Pike Company. 113,236, Oct. 10, 1916. Republished Feb. 22.

Papers, Writing and printing, and writing tablets. Osborn Paper Company. 137,669, Nov. 30, 1920. Republished Feb. 22.
Periodical. American Mutual Alliance. 255,907, renewed Apr. 30, 1949. O. G. Feb. 22.
Periodical. Domestic Engineering Company. 355,664,

Shoes. John Wanamaker New York. 330,023, Nov. 19, 1935. Republished Feb. 22.
Shoes, Athletic. Witchell-Sheill Co. 324,181, May 14, 1935. Republished Feb. 22.
Textile piece goods, Woven, knitted, and netted. Washougal Woolen Mills. 507,039, Feb. 22; Serial No. 545,802, published Oct. 26, 1948.
Ticking and piece goods. The P. R. Mitchell Co. 506,961, Feb. 22; Serial No. 538,800, published Oct. 26, 1948.

Papers, Writing and printing, and writing tablets. Osborn Paper Company. 137,669, Nov. 30, 1920. Republished Feb. 22.
Papeteries. Eaton Paper Corporation. 338,004, Aug. 25, 1936. Republished Feb. 22.
Papeteries, correspondence cards, writing tablets. Eaton, Crane & Pike Company. 272,106, July 1, 1930. Republished Feb. 22.
Pen holders and letter openers. Northeastern Plastics, Inc. 506,984, Feb. 22; Serial No. 540,556, published Oct. 26, 1948.
Pens and refills therefor, Self-feeding. Fieldston Ball Pen Co., Inc. 506,977, Feb. 22; Serial No. 540,063, published Oct. 19, 1948.
Pens, Fountain, and pencils. Stratford Pen Corporation. 506,914, Feb. 22; Serial No. 534,936, published Oct. 12, 1948.
Pens, Fountain, ball pointed pens and mechanical pencils. Rich-Marc Mfg. Co., Inc. 506,953, Feb. 22; Serial No. 538,039, published Oct. 12, 1948.
Pencils of all kinds and pencil erasers, Wood-encosed. L. & C. Hardtmuth, Inc. 506,905, Feb. 22; Serial No. 534,115, published Nov. 9, 1948.
Pencils, Wood-encased. L. & C. Hardtmuth, Inc. 506,906, Feb. 22; Serial No. 534,118, published Nov. 9, 1948.
Pencils, Wood-encased. L. & C. Hardtmuth, Inc. 506,907, Feb. 22; Serial No. 534,120, published Nov. 9, 1948.
Pencils, Wood-encased, mechanical pencils, pen points, etc. M. Valladares. 506,879, Feb. 22; Serial No. 532,071, published Nov. 2, 1948.
Stationery. Eaton Paper Corporation. 323,589, Apr. 23, 1935. Republished Feb. 22.
Stationery. Eaton Paper Corporation. 335,181, May 26, 1936. Republished Feb. 22.
Strips, leaves, and sheets of plain, lithograph and printing paper. Autographic Register Company. 506,851, Feb. 22; Serial No. 527,566, published Nov. 2, 1948.
Tissue, Toilet. Crown Zellerbach Corporation. 507,000, Feb. 22; Serial No. 542,002, published Nov. 2, 1948.
Tissue, Toilet. Stevens & Thompson Paper Company. 506,980, Feb. 22; Serial No. 540,120, published Nov. 2, 1948.
Waxpaper. The Cook Coffee Company. 507,013, Feb. 22; Serial No. 543,097, published Nov. 9, 1948.

CLASS 38

Almanacs, annual publications, book series, etc. International Allied Printing Trades Association. 507,088, Feb. 22; Serial No. 528,571, published Nov. 2, 1948.
Almanacs, annual publications, book series, etc. International Typographical Union. 507,089, Feb. 22; Serial No. 528,572, published Nov. 9, 1948.
Books, Magazine, booklets, and membership blanks of the association. National Shorthand Reporters Association. 506,995, Feb. 22; Serial No. 541,441, published Nov. 2, 1948.
Cards, Greeting. Harrison-Simpson Co. Inc. 507,030, Feb. 22; Serial No. 544,166, published Oct. 26, 1948.
Cards, Greeting. Norcross, Inc. 506,899, Feb. 22; Serial No. 533,766, published Nov. 2, 1948.
Cartoons, Series of. Tribune Company. 506,802, Feb. 22; Serial No. 583,194, published Oct. 26, 1948.
Compilations, Color chip, and printed publications. The Sherwin-Williams Company. 442,120, Feb. 22; Serial Serial No. 483,194, published Oct. 26, 1948.
Decalcomanias. The Meyercord Company. 506,917, Feb. 22; Serial No. 535,584, published Oct. 5, 1948.
Decalcomanias. The Meyercord Company. 506,928–9, Feb. 22; Serial Nos. 536,412–13, published Nov. 2, 1948.
Decalcomanias. The Meyercord Company. 506,930, Feb. 22; Serial No. 536,415, published Nov. 2, 1948.
Etchings, color prints of pictures, oil paintings, etc. S. & G. Gump Company. 506,904, Feb. 22; Serial No. 541,287, published Oct. 26, 1948.
Folders, Printed. Welcome Wagon Service Company, Inc. 442,117, Feb. 22; Serial No. 522,889, published Nov. 2, 1948.
Magazine, Monthly. M. Christopher. 507,095, Feb. 22; Serial No. 505,733.
Magazine, Monthly. Electrical Publications, Inc. 506,951, Feb. 22; Serial No. 537,996, published Nov. 2, 1948.
Magazine, Monthly. Meat Merchandising, Inc. 506,927, Feb. 22; Serial No. 536,410, published Nov. 2, 1948.
Maps and atlases. American Map Company, Inc. 506,938, Feb. 22; Serial No. 536,982, published Oct. 26, 1948.
News column. L. B. Rosenblatt. 507,056, Feb. 22; Serial No. 549,755, published Nov. 2, 1948.
News letters and sheets and weekly trade publications. National Association of Hosiery Manufacturers, Inc. 506,860, Feb. 22; Serial No. 529,396, published Oct. 26, 1948.
Newspaper column published daily. Buffalo Evening News. 236,793, renewed Dec. 20, 1947. O. G. Feb. 22.
Newspaper feature. The Hearst Corporation. 507,050, Feb. 22; Serial No. 547,905, published Oct. 26, 1948.
Newspaper section. Fairchild Publications, Inc. 506,840, Feb. 22; Serial No. 524,674, published Nov. 9, 1948.
Newspaper section, feature, or department. The Hearst Corporation. 507,066, Feb. 22; Serial No. 553,367, published Oct. 26, 1948.
Periodical. American Mutual Alliance. 255,907, renewed Apr. 30, 1949. O. G. Feb. 22.
Periodical. Domestic Engineering Company. 355,664, Mar. 22, 1938. Republished Feb. 22.
Periodicals. C. D. Tripp. 506,933, Feb. 22; Serial No. 536,734, published Nov. 2, 1948.
Prints, Photographic. Eastern-Columbia, Inc. 395,268, May 19, 1942. Republished Feb. 22.
Publication, Monthly. Creative Footwear, Inc. 506,800, Feb. 22; Serial No. 477,317, published Nov. 9, 1948.
Publication, Monthly. King Publications. 506,978, Feb. 22; Serial No. 540,077, published Nov. 2, 1948.
Publication, Monthly. United Engineering and Foundry Company. 507,012, Feb. 22; Serial No. 543,019, published Oct. 26, 1948.
Publication of current analysis, etc. Doane Agricultural Service, Inc. 507,103, Feb. 22; Serial No. 520,328.
Publication, Periodical. Associated Spring Corporation. 507,060, Feb. 22; Serial No. 551,431, published Nov. 2, 1948.
Publication, Periodical. National Live Stock Publishing Association. 506,888, Feb. 22; Serial No. 533,191, published Oct. 26, 1948.
Publication, Periodical. Norwegian Lutheran Church of America. 286,898, Sept. 8, 1931. Republished Feb. 22.
Publication published. Meehanite Metal Corporation. 506,895, Feb. 22; Serial No. 533,340, published Nov. 2, 1948.
Publications, Periodical. American Bitumuls Company. 507,072, Feb. 22; Serial No. 554,461, published Nov. 2, 1948.
Scripts. L. G. Cowan. 389,921, Aug. 26, 1941. Republished Feb. 22.
Series of cartoons and comic strips. The Lone Ranger, Inc. 507,040, Feb. 22; Serial No. 545,864, published Oct. 26, 1948.

CLASS 39

Blouses, dresses, and suits, Ladies'. Kuttner-De Costa & Co. 369,162, July 18, 1939. Republished Feb. 22.
Boots and shoes. The Applebaum-Mautner Company, Inc. 237,210, Jan. 3, 1928. Republished Feb. 22.
Boots, shoes, slippers, etc. The Anatomik Footwear Company. 103,935, Apr. 20, 1915. Republished Feb. 22.
Brassières. Bonsette Foundations, Inc. 507,114, Feb. 22; Serial No. 542,073.
Clothing and haberdashery, Men's and boys'. The Hilton Company, Inc. 246,170–1, renewed Sept. 4, 1948. O. G. Feb. 22.
Clothing, Work. W. M. Finck & Company. 135,992, Oct. 26, 1920. Republished Feb. 22.
Coats and suits, Women's. The Hecht Company. 345,776, May 4, 1937. Republished Feb. 22.
Coats, suits, and dresses, Women's and misses'. The Hecht Company. 219,684, Oct. 19, 1926. Republished Feb. 22.
Corsets, girdles, and brassières. The Berger Brothers Company. 506,957, Feb. 22; Serial No. 538,348, published Oct. 12, 1948.
Drawers, middy-blouses, pajamas, etc. Branigan, Green & Co. 148,364, Nov. 15, 1921. Republished Feb. 22.
Dresses, aprons, frocks, and pajamas, Women's and misses' and children's. Joseph S. Cohen & Sons Co. Inc. 325,076, June 11, 1935. Republished Feb. 22.
Dresses, frocks, pajamas, etc., Women's, misses', and children's. Jos. S. Cohen & Sons Co. Inc. 360,852, Sept. 27, 1938. Republished Feb. 22.
Dresses, suits, coats, skirts, etc., Women's. Eisenberg and Sons, Inc. 506,857, Feb. 22; Serial No. 528,776, published Sept. 21, 1948.
Dresses, suits, pajamas, etc., Women's and children's. Jos. S. Cohen & Sons Co. Inc. 299,025, Nov. 15, 1932. Republished Feb. 22.
Frocks and dresses, Ladies' and misses'. Jos. S. Cohen & Sons Co. Inc. 328,482, Oct. 1, 1935. Republished Feb. 22.
Gloves, Workingmen's. Wells-Lamont Manufacturing Co. 251,327, renewed Jan. 1, 1949. O. G. Feb. 22.
Handkerchiefs. The International Handkerchief Mfg. Co. 129,755, Mar. 9, 1920. Republished Feb. 22.
Handkerchiefs. The International Handkerchief Mfg. Co. 187,084, July 29, 1924. Republished Feb. 22.
Handkerchiefs. The International Handkerchief Mfg. Co. 187,086, July 29, 1924. Republished Feb. 22.
Hats, Men's felt. Ferry Hats, Inc. 299,939, Jan. 3, 1933. Republished Feb. 22.
Hats, Men's felt. Ferry Hats, Inc. 316,068, Aug. 14, 1934. Republished Feb. 22.
Hose, Men's. Moorhead Knitting Company. 341,461, Dec. 8, 1936. Canceled. O. G. Feb. 22.
Hosiery. Chipman Knitting Mills. 135,634, Oct. 19, 1920. Republished Feb. 22.
Pajamas and nightgowns, Men's, women's, and children's. M. C. Schrank Company. 255,062, renewed Apr. 9, 1949. O. G. Feb. 22.
Pants, Overalls and Western style. Mann Overall Company, Inc. 507,099, Feb. 22; Serial No. 515,576.
Pants, shirts, outing shirts, etc., Men's, boys', and youths'. Ollan Brothers Company. 507,094, Feb. 22; Serial No. 499,911.
Shoes. Volk Bros. Company, Inc. 335,391, June 2, 1936. Republished Feb. 22.

Shoes. John Wanamaker New York. 330,023, Nov. 19, 1935. Republished Feb. 22.
Shoes, Athletic. Witchell-Sheill Co. 324,181, May 14, 1935. Republished Feb. 22.
Shoes, Ladies', men's, and boys'. A. E. Nettleton Company. 353,854, Jan. 18, 1938. Republished Feb. 22.
Shoes, Leather logger. Bone Dry Shoe Manufacturing Company. 279,562, Jan. 20, 1931. Republished Feb. 22.
Shoes, Men's. J. P. Smith Shoe Company. 415,931, Aug. 21, 19[illegible]. Republished Feb. 22.
Shoes, Women's. C. P. Ford & Co. 370,743, Sept. 5, 1939. Republished Feb. 22.
Slippers. The Athletic Shoe Company. 380,541, Aug. 27, 1940. Republished Feb. 22.
Suits and dress suits, men's and boys' top coats and overcoats, Men's and boys'. The Hecht Company. 228,557, June 7, 1927. Republished Feb. 22.
Suits and overcoats, Men's, youths', and boys'. Leopold Morse Company. 97,263, May 26, 1914. Republished Feb. 22.
Suits, coats, trousers, etc., Men's and boys'. Lorraine Manufacturing Company. 340,889, Nov. 24, 1936. Canceled. O. G. Feb. 22.
Sweaters, swimming suits, knitted and woven dresses, Men's, women's, and children's. Walton N. Moore Dry Goods Co., Inc. 263,816, Nov. 5, 1929. Canceled. O. G. Feb. 22.
Underwear, Children's textile. Royal Manufacturing Company. 246,186, renewed Sept. 4, 1948. O. G. Feb. 22.
Underwear of woven and textile fabrics. The B. V. D. Company, Inc. 256,206, renewed May 7, 1949. O. G. Feb. 22.
Wearing apparel for men. Berger's Inc. 314,405, June 26, 1934. Republished Feb. 22.

CLASS 42

Blankets, Textile bed. New Process Company. 506,979, Feb. 22; Serial No. 540,090, published Oct. 26, 1948.
Curtains, Window. The Avon Curtain Corporation. 442,109, Feb. 22; Serial No. 516,465, published Oct. 26, 1948.
Fabric, Moisture-proof interleaving. Irvington Varnish & Insulator Company. 335,886, June 16, 1936. Republished Feb. 22.
Fabrics in the piece. Crompton Company. 507,014, Feb. 22; Serial No. 543,132, published Oct. 26, 1948.
Fabrics in the piece. Crompton Company. 507,015, Feb. 22; Serial No. 543,137, published Oct. 26, 1948.
Fabrics in the piece. Crompton Company. 507,016, Feb. 22; Serial No. 543,139, published Oct. 26, 1948.
Fabrics in the piece. National Mallinson Fabric Corporation. 507,027, Feb. 22; Serial No. 543,966, published Oct. 26, 1948.
Fabrics in the piece. The Schwarzenbach-Huber Company. 507,067, Feb. 22; Serial No. 553,408, published Oct. 26, 1948.
Fabrics in the piece, Knitted woolen jersey. A. Davis & Sons, Inc. 400,318, Mar. 2, 1943. Republished Feb. 22.
Fabrics in the piece, Tricot knit. Fairy Silk Mills, Inc. 506,801, Feb. 22; Serial No. 477,647, published Oct. 5, 1948.
Interlinings being piece goods of worsted or hair. Shaw & Halstead (Haircloth) Limited. 506,926, Feb. 22; Serial No. 536,166, published Oct. 26, 1948.
Linen piece goods and dyed union piece goods, Dyed. York Street Flax Spinning Co. Limited. 507,034, Feb. 22; Serial No. 544,629, published Oct. 26, 1948.
Padding, Cotton. Southern Mills, Inc. 255,993, renewed May 7, 1949. O. G. Feb. 22.
Piece goods. Robinson & Golluber. 249,796, renewed Nov. 20, 1948. O. G. Feb. 22.
Piece goods. Sea Island Mills, Incorporated. 407,174, May 23, 1944. Republished Feb. 22.
Piece goods, Coated or impregnated. Comprehensive Fabrics Inc. 506,991, Feb. 22; Serial No. 540,983, published Oct. 19, 1948.
Piece goods, Cotton. Hunter Manufacturing and Commission Company. 119,315, Nov. 13, 1917. Republished Feb. 22.
Piece goods, Cotton. Robinson & Golluber. 249,727, renewed Nov. 20, 1948. O. G. Feb. 22.
Piece goods, Cotton, sheets, pillow cases, etc. W. A. Ballinger & Co. 506,999, Feb. 22; Serial No. 541,800, published Oct. 26, 1948.
Piece goods, Gabardine. B. Altmann. 507,073, Feb. 22; Serial No. 554,544, published Oct. 19, 1948.
Piece goods, Water repellent cotton. Sea Island Mills, Incorporated. 380,843, Sept. 3, 1940. Republished Feb. 22.
Piece goods, Woolen. Folkard & Lawrence, Inc. 507,074, Feb. 22; Serial No. 554,558, published Oct. 19, 1948.
Shade cloth. Albert D. Smith & Co. 253,868, renewed Mar. 5, 1949. O. G. Feb. 22.
Sheets. Marshall Field & Company. 239,063, Feb. 21, 1928. Republished Feb. 22.
Sheets, sheetings, and pillow cases, Bed. Alexander Manufacturing Company. 507,075, Feb. 22; Serial No. 554,642, published Oct. 26, 1948.
Tarpaulins, Waterproof canvas. C. R. Daniels, Inc. 255,548, renewed Apr. 23, 1949. O. G. Feb. 22.
Textile piece goods, Woven, knitted, and netted. Washougal Woolen Mills. 507,039, Feb. 22; Serial No. 545,802, published Oct. 26, 1948.
Ticking and piece goods. The P. R. Mitchell Co. 506,961, Feb. 22; Serial No. 538,800, published Oct. 26, 1948.
Trouser fabric of rayon and cotton, Twill. Burlington Mills Corporation. 507,042, Feb. 22; Serial No. 546,364, published Oct. 26, 1948.
Woolen fabrics and fabrics made of mixtures of wool, cotton, and rayon. Patrick-Duluth Co. 507,031, Feb. 22; Serial No. 544,879, published Oct. 26, 1948.

CLASS 43

Thread and yarns, Cotton. Groves Thread Company, Inc. 291,733, Feb. 28, 1932. Canceled. O. G. Feb. 22.
Yarn and warp, Cotton. January and Wood Company. 436,064, Jan. 20, 1948. Republished Feb. 22.
Yarns, Robert Lee Yarns. 432,740, Sept. 9, 1947. Canceled. O. G. Feb. 22.

CLASS 44

Absorbent cotton, plain and medicated gauze, gauze, plain and medicated, etc. Lister Surgical Company. 70,693, re-renewed Sept. 22, 1948. O. G. Feb. 22.
Arc lamps and carbons therefor, Therapeutic. National Carbon Company, Inc. 442,123, Feb. 22; Serial No. 525,928, published Oct. 5, 1948.
Breathing apparatus. Siebe, Gorman & Company Limited. 88,188, Aug. 22, 1911. Republished Feb. 22.
Dental investment compounds. C. Cannon. 256,286, May 14, 1929. Canceled. O. G. Feb. 22.
Liquid preparation. Opotow Dental Mfg. Corp. 507,097, Feb. 22; Serial No. 512,530.
Pad, Eye. M. Loos. 507,098, Feb. 22; Serial No. 512,845.
Surgical waste. C. Gilbert Wallworth & Co. 410,233, Nov. 14, 1944. Republished Feb. 22.

CLASS 45

Beverage, Nonalcoholic maltless carbonated fruit punch. F. M. Haley. 506,827, Feb. 22; Serial No. 518,528, published Oct. 19, 1948.
Beverages, Nonalcoholic, nonceral, maltless. Kloss Supply Co. 506,983, Feb. 22; Serial No. 540,420, published Nov. 9, 1948.
Soft drink and concentrate, Fruit flavored. Sunny Cal Bottling Company. 442,094, Feb. 22; Serial No. 503,232, published Apr. 22, 1947.
Soft drinks and syrups, Maltless. J. E. Fowler. 507,081–3, Feb. 22; Serial Nos. 565,513–15, published Nov. 16, 1948.
Soft drinks and syrups therefor, Maltless. J. E. Fowler. 507,077, Feb. 22; Serial No. 560,801, published Nov. 16, 1948.
Sparkling water and non-alcoholic maltless beverages. Napa Rock Mineral Water Company. 506,825, Feb. 22; Serial No. 517,653, published Oct. 19, 1948.
Syrup, Cocoa. Richardson Corporation. 255,803, renewed Apr. 30, 1949. O. G. Feb. 22.

CLASS 46

Alfalfa meal. The Denver Alfalfa Milling & Products Co. 252,693, renewed Feb. 12, 1949. O. G. Feb. 22.
Apple butter, bacon, boned-chicken products, etc. George W. Simmons Corporation. 269,472, Apr. 5, 1930. Republished Feb. 22.
Applesauce, baking powder, wheat flour, etc. Clover Farm Stores Corporation. 319,296, Nov. 20, 1934. Republished Feb. 22.
Apple sauce, boned chicken products, butter, etc. George W. Simmons Corporation. 275,382, Sept. 23, 1930. Republished Feb. 22.
Apples, Fresh. Gravenstein Apple Growers Cooperative Association. 379,579, July 16, 1940. Republished Feb. 22.
Apricots, Dried, canned green beans, canned corn on the cob, etc. Plee-Zing, Inc. 390,825, Feb. 2, 1943. Republished Feb. 22.
Bread, Brown. The Plee-Zing Corporation. 226,235, Apr. 5, 1927. Republished Feb. 22.
Butter. Tip Top Creamery Co. 248,908, renewed Nov. 6, 1948. O. G. Feb. 22.
Butter and eggs. Union Premier Food Stores, Inc. 366,223, Apr. 4, 1939. Republished Feb. 22.
Candies and chocolates. Mason, Au & Magenheimer Conf. Mfg. Co. 402,024, June 22, 1943. Republished Feb. 22.
Candy. Fine Products Corporation. 409,265, Sept. 26, 1944. Republished Feb. 22.
Candy bars. F. A. Martoccio Company. 261,488, Sept. 17, 1929. Republished Feb. 22.
Canned cane syrup. L. D. Hicks. 506,876, Feb. 22; Serial No. 531,670, published Nov. 2, 1948.
Canned, dried, preserved, and evaporated fruits, etc. Central Co-Operative Wholesale. 310,340, Feb. 20, 1934. Republished Feb. 22.
Canned fish. R. E. Cotter Co. 189,679, Sept. 23, 1924. Republished Feb. 22.
Canned fruit, canned vegetables, canned fruit juices, etc. Rival Foods, Inc. 506,918, Feb. 22; Serial No. 535,626, published Oct. 19, 1948.

Canned fruits and vegetables, canned shrimp. Halpen, Green & Co. 273,807, Aug. 12, 1930. Republished Feb. 22.
Fruit, Fresh citrus. Call Ranch. 377,175, Apr. 23, 1940. Republished Feb. 22.
Fruit, Fresh citrus. La Verne Co-Operative Citrus Association. 304,011, Oct. 3, 1933. Republished Feb. 22.

Potato chips, peanut butter, candy, etc. L. A. Nut House. 400,656, Mar. 23, 1943. Republished Feb. 22.
Potatoes. A. W. McConn. 407,342, May 30, 1944. Republished Feb. 22.
Vegetables, Fresh. Williams Farms Company. 506,942, Feb. 22; Serial No. 537,536, published Nov. 2, 1948.
Vegetables, Fresh, fresh melons and fresh grapes. A. T. Bettencourt. 506,811, Feb. 22; Serial No. 508,023, published Nov. 2, 1948.

Canned fruits and vegetables, canned shrimp. Halpen, Green & Co. 273,807, Aug. 12, 1930. Republished Feb. 22.
Canned fruits, canned vegetables, canned berries, etc. Lowry-Rougers Company. 294,998, June 14, 1932. Republished Feb. 22.
Canned fruits, canned vegetables, coffee, etc. Wholesale Grocers Exchange, Inc. 221,052, Nov. 23, 1926. Republished Feb. 22.
Canned fruits, canned vegetables, tomato catchup, etc. Wholesale Grocers Exchange, Inc. 221,054, Nov. 23, 1926. Republished Feb. 22.
Canned salmon. Corby Commission Company. 71,286, re-renewed Nov. 17, 1948. O. G. Feb. 22.
Canned salmon. Monitor Fisheries, Inc. 506,867, Feb. 22; Serial No. 530,757, published Nov. 2, 1948.
Canned salmon. Pacific American Fisheries, Inc. 306,394, Sept. 19, 1933. Republished Feb. 22.
Canned salmon. Pacific American Fisheries, Inc. 379,913, July 30, 1940. Republished Feb. 22.
Canned salmon. B. T. Weyand. 506,858, Feb. 22; Serial No. 528,972, published Sept. 14, 1948.
Canned vegetables. A. G. Brush. 381,708, Oct. 1, 1940. Republished Feb. 22.
Canned vegetables. Iowa Canning Company. 404,151, Nov. 2, 1943. Republished Feb. 22.
Canned vegetables. K & P. Industries, Inc. 506,861, Feb. 22; Serial No. 529,653, published Oct. 19, 1948.
Canned vegetables. The Krier Preserving Company. 277,097, Nov. 4, 1930. Republished Feb. 22.
Canned white corn. Hale-Halsell Co. 423,520, Sept 3, 1946. Republished Feb. 22.
Cheese product. Phenix Pabst-Ett Company. 506,964, Feb. 22; Serial No. 539,080, published Oct. 26, 1948.
Chilli and vegetable sauces, Peeled green. Royal Packing Co. 71,536, re-renewed Dec. 1, 1948. O. G. Feb. 22.
Chocolate. Suchard Société Anonyme. 68,886, renewed May 5, 1948. O. G. Feb. 22.
Chocolates. Wallace & Co. 442,098, Feb. 22; Serial No. 507,166, published Oct. 26, 1948.
Coffee. The Grocers & Producers Co. 296,674, Aug. 16, 1932. Republished Feb. 22.
Coffee. The Grocers & Producers Co. 296,682, Aug. 16, 1932. Republished Feb. 22.
Coffee. H P Coffee Company. 209,605, Feb. 23, 1926. Republished Feb. 22.
Coffee. H P Coffee Company. 338,802, Sept. 15, 1936. Republished Feb. 22.
Coffee. H P Coffee Company. 375,704, Feb. 27, 1940. Republished Feb. 22.
Coffee. Lieux Bros. 222,808, Jan. 11, 1927. Republished Feb. 22.
Coffee. The Weppner Well Company. 256,588, May 21, 1929. Republished Feb. 22.
Coffee. The Weppner Well Company. 262,271, Oct. 1, 1929. Republished Feb. 22.
Cookie cakes, crackers. Hekman Biscuit Company. 190,727, Oct. 21, 1924. Republished Feb. 22.
Corn meal. Hopkinsville Milling Co. 506,864, Feb. 22; Serial No. 530,201, published Nov. 2, 1948.
Dairy feed. The Great Atlantic and Pacific Tea Company. 506,965, Feb. 22; Serial No. 539,316, published Oct. 26, 1948.
Edible powder. Frozen Drumstick Sales Company. 420,075, Mar. 26, 1946. Republished Feb. 22.
Eggs, Frozen. Titman Egg Corporation. 249,339, renewed Nov. 13, 1948. O. G. Feb. 22.
Extracts, Flavoring. Royal Souders, Inc. 506,808, Feb. 22; Serial No. 504,517, published Nov. 9, 1948.
Feed, Horse and mule. Alabama Feed Mills. 424,486, Oct. 8, 1946. Republished Feb. 22.
Feeds, Animal and poultry. Spear Mills, Inc. 442,114, Feb. 22; Serial No. 521,483, published Nov. 2, 1948.
Feeds, Grains and mixed. The Beacon Milling Company, Inc. 348,793, Aug. 10, 1937. Republished Feb. 22.
Flour. General Mills, Inc. 325,352, June 18, 1935. Canceled. O. G. Feb. 22.
Flour, Ready-mixed biscuit, and high-sugar-ratio cake flour. The C. C. Groff Milling Company. 317,890, Oct. 9, 1934. Republished Feb. 22.
Flour, Wheat. California Milling Corporation. 395,462, May 26, 1942. Republished Feb. 22.
Flour, Wheat. Fisher Flouring Mills Company. 303,709, June 6, 1933. Republished Feb. 22.
Flour, Wheat. Hopkinsville Milling Co. 506,877, Feb. 22; Serial No. 531,671, published Sept. 14, 1948.
Flour, Wheat, and self rising flour. Union City Milling Co. 247,281, renewed Sept. 25, 1948. O. G. Feb. 22.
Flour, Wheat, rye flour, and corn meal. Eagle Roller Mill Co. 506,968, Feb. 22; Serial No. 539,592, published Oct. 26, 1948.
Food, Dog and cat. W. H. Smith. 506,924, Feb. 22; Serial No. 536,003, published Oct. 26, 1948.
Food supplement. Roben Products, Inc. 506,832, Feb. 22; Serial No. 520,418, published Nov. 2, 1948.
Fruit, dates and grapes, Fresh citrus. A. B. Cliff. 280,268, Feb. 10, 1931. Republished Feb. 22.
Fruit, Fresh citrus. Arlington Heights Fruit Company. 351,300, Oct. 26, 1937. Republished Feb. 22.
Fruit, Fresh citrus. A. F. Call Estate. 367,051, May 9, 1939. Republished Feb. 22.
Fruit, Fresh citrus. Call Ranch. 367,745, May 30, 1939. Republished Feb. 22.
Fruit, Fresh citrus. Call Ranch. 377,175, Apr. 23, 1940. Republished Feb. 22.
Fruit, Fresh citrus. La Verne Co-Operative Citrus Association. 306,911, Oct. 3, 1933. Republished Feb. 22.
Fruit, Fresh citrus. Orange Belt Fruit Distributors. 394,224, Mar. 24, 1942. Republished Feb. 22.
Fruit, Fresh citrus. Redlands Heights Groves, Inc. 233,845, Oct. 11, 1927. Republished Feb. 22.
Fruit, Fresh citrus. Redlands Heights Groves, Inc. 320,134, Dec. 18, 1934. Republished Feb. 22.
Fruit, Fresh citrus. San Fernando Heights Lemon Association. 369,078, July 11, 1939. Republished Feb. 22.
Fruits, Fresh and canned citrus. L. Maxcy, Inc. 256,439, renewed May 14, 1949. O. G. Feb. 22.
Fruits, Fresh citrus. D. Bumstead. 292,224, Mar. 8, 1932. Republished Feb. 22.
Fruits, Fresh citrus. D. Bumstead. 403,034, Aug. 31, 1943. Republished Feb. 22.
Fruits, Fresh citrus. Exeter Citrus Association. 266,683, Jan. 28, 1930. Republished Feb. 22.
Fruits, Fresh citrus. Exeter Citrus Association. 288,136, Oct. 20, 1931. Republished Feb. 22.
Fruits, Fresh citrus. Mentone Heights Association. 428,605, Mar. 25, 1947. Canceled. O. G. Feb. 22.
Fruits, Fresh citrus. Redlands Heights Groves, Inc. 197,728, Apr. 21, 1925. Republished Feb. 22.
Fruits, Fresh citrus. Redlands-Highlands Fruit Exchange. 283,662, June 2, 1931. Republished Feb. 22.
Fruits, Fresh citrus. Reid & Reid. 421,586, June 4, 1946. Republished Feb. 22.
Fruits, Fresh citrus. Richgrove-Jasmine Citrus Association. 392,135, Dec. 9, 1941. Republished Feb. 22.
Fruits, Fresh deciduous, and fresh grapes. Nash-De Camp Company. 506,829, Feb. 22; Serial No. 519,080, published Nov. 2, 1948.
Fruits, Fresh deciduous, and fresh vegetables. Robt. T. Cochran Co., Incorporated. 376,540, Mar. 26, 1940. Republished Feb. 22.
Grapes, Fresh. Cortes Growers Association. 204,054, Oct. 6, 1925. Republished Feb. 22.
Grapes, Fresh. J. E. Stansfield. 402,245, July 23, 1943. Republished Feb. 22.
Grapes, fresh citrus fruit, and fresh vegetables. J. E. Stansfield. 405,284, Jan. 18, 1944. Republished Feb. 22.
Grapes, Fresh, fresh citrus fruits, dried dates. Arizona Orchard Company. 201,354, July 21, 1925. Republished Feb. 22.
Gum, Bubble. Bubbles, Inc. 506,872, Feb. 22; Serial No. 531,091, published Oct. 26, 1948.
Gum, Chewing. Topps Chewing Gum, Incorporated. 506,803, Feb. 22; Serial No. 497,756, published Nov. 2, 1948.
Ice cream. Rob Roy Ice Cream Co., Inc. 255,448, renewed Apr. 23, 1949. O. G. Feb. 22.
Ice cream powder. J. F. Lyons. 243,821, renewed July 3, 1948. O. G. Feb. 22.
Ice cream powder. Perkins Products Company. 342,151, Jan. 5, 1937. Republished Feb. 22.
Ice creams and sherbets. Pangburn Company, Inc. 212,887, May 18, 1926. Republished Feb. 22.
Jellies, fruit preserves, canned fruits, etc. R. Aspinall. 402,519, July 27, 1943. Republished Feb. 22.
Lemons, Fresh. San Fernando Heights Lemon Co. 302,789, Apr. 25, 1933. Republished Feb. 22.
Melons and fresh vegetables, Fresh. Colorado River Farms, Incorporated. 506,823, Feb. 22; Serial No. 516,890, published Nov. 2, 1948.
Milk, Evaporated. The Defiance Dairy Products Company. 177,299, Dec. 18, 1923. Republished Feb. 22.
Milk powder, Whole. A. Besso. 372,039, Oct. 17, 1939. Republished Feb. 22.
Mint sauce. Kehoe Preserving Co. 193,051, Dec. 16, 1924. Republished Feb. 22.
Molasses. J. Stromeyer Company. 506,815, Feb. 22; Serial No. 510,125, published Oct. 26, 1948.
Mushrooms, corn syrup, canned onions, etc. Plee-Zing, Inc. 328,597, Oct. 1, 1935. Republished Feb. 22.
Oils, Edible. J. Lentini. 506,959, Feb. 22; Serial No. 538,646, published Oct. 26, 1948.
Olive oil. The Pompeian Corporation. 252,247, renewed Jan. 29 1949. O. G. Feb. 22.
Olive oil, Certified Virgin Italian. James P. Smith & Company, Inc. 420,004, Mar. 19, 1946. Republished Feb. 22.
Oranges and grapefruit. Escondido Fruit Growers Association. 204,064, Oct. 6, 1925. Republished Feb. 22.
Oranges and grapefruit. Escondido Fruit Growers Association. 207,279, Dec. 29, 1925. Republished Feb. 22.
Oranges, Fresh. Highland Mutual Groves, Inc. 506,814, Feb. 22; Serial No. 509,844, published Oct. 26, 1948.
Peanut butter, imitation fruit jellies, and vinegar. Craftest Foods, Inc. 506,901, Feb. 22; Serial No. 533,849, published Nov. 2, 1948.
Pickles, Mixed, plum pudding, chow-chow, etc. R. H. Macy & Co., Inc. 255,051, renewed Apr. 9, 1949. O. G. Feb. 22.
Pie and cake filling. Perkins Products Company. 316,479, Aug. 28, 1934. Republished Feb. 22.
Popcorn, salted popcorn, and popcorn seasoning. Chas. E. Darden & Co. 506,804, Feb. 22; Serial No. 500,957, published Nov. 2, 1948.

Potato chips, peanut butter, candy, etc. L. A. Nut House. 400,656, Mar. 23, 1943. Republished Feb. 22.
Potatoes. A. W. McConn. 407,342, May 30, 1944. Republished Feb. 22.
Potatoes. Porter & Wents, Inc. 379,432, July 9, 1940. Republished Feb. 22.
Potatoes. Porter & Wents, Inc. 417,237, Oct. 16, 1945. Republished Feb. 22.
Potatoes. Porter & Wents, Inc. 417,239, Oct. 16, 1945. Republished Feb. 22.
Preserves, Fruit, jellies, jam, etc. The J. M. Smucker Co. 506,885, Feb. 22; Serial No. 532,512, published Oct. 19, 1948.
Preserves, Fruit, pies, coffee cake, etc. The Savarins, Inc. 250,040, renewed Nov. 27, 1948. O. G. Feb. 22.
Preserves, Jams and fruit. A. A. Knights and Son Corporation. 293,133–4, Apr. 12, 1932. Republished Feb. 22.
Prunes, Dried, dried peaches, dried apricots, etc. George W. Simmons Corporation. 260,339, Aug. 20, 1929. Republished Feb. 22.
Salad dressing. Recipe Foods, Inc. 507,092, Feb. 22; Serial No. 498,132.
Salad dressing. Whiteman Food Products Company. 507,109, Feb. 22; Serial No. 534,494.
Salad oil, vinegar, table syrup, etc. Crown Products Corporation. 304,035, June 20, 1933. Republished Feb. 22.
Salad oil, vinegar, table syrup, etc. Crown Products Corporation. 304,038, Jan. 20, 1933. Republished Feb. 22.
Salt. International Salt Company, Inc. 229,297, June 21, 1927. Republished Feb. 22.
Salt. International Salt Company, Inc. 357,585, June 7, 1938. Republished Feb. 22.
Salt. Mulkey Salt Company. 506,939, Feb. 22; Serial No. 537,341, published Oct. 19, 1948.
Sandwiches. A. C. Hill. 506,882, Feb. 22; Serial No. 532,452, published Oct. 26, 1948.
Sauce for use on meats or fish or in soups, Thick. E. Lazenby & Son, Limited. 226,002, Mar. 29, 1927. Republished Feb. 22.
Sausage, Thueringer. Chas. Hollenbach, Inc. 506,868, Feb. 22; Serial No. 530,821, published Nov. 2, 1948.
Steak capuchina or cooked beefsteak, cocoanut ice cream, etc. The Columbia Restaurant. 506,799, Feb. 22; Serial No. 469,034, published Oct. 26, 1948.
Syrup, Cocoa. Richardson Corporation. 255,803, renewed Apr. 30, 1949. O. G. Feb. 22.
Syrup in glass, Table. J. A. Orrell. 507,113, Feb. 22; Serial No. 542,049.
Syrup, Table. California Maple Syrup Company, Inc. 339,810, Oct. 13, 1936. Republished Feb. 22.
Tea. T. H. Estabrooks Co., Limited. 442,091, Feb. 22; Serial No. 490,424, published Feb. 10, 1946.
Tea, canned fruits, canned vegetables, etc. Wholesale Grocers Exchange, Inc. 221,053, Nov. 23, 1926. Republished Feb. 22.
Tomatoes, Fresh. Chaprales & Macris. 371,763, Oct. 3, 1939. Republished Feb. 22.
Tomatoes, Fresh. Porter & Wents, Inc. 413,444, Apr. 24, 1945. Republished Feb. 22.
Tomatoes, Fresh. Porter & Wents, Inc. 417,238, Oct. 16, 1945. Republished Feb. 22.
Turkey poults, chicks, hatching eggs, etc. National Co-Operatives, Inc. 389,580, Aug. 12, 1941. Republished Feb. 22.
Vegetable products, Processed deodorised edible. The Procter & Gamble Company. 506,853, Feb. 22; Serial No. 528,021, published Nov. 2, 1948.
Vegetables and mellons, Fresh. Jorgensen Farms. 411,307, Jan. 9, 1945. Republished Feb. 22.
Vegetables, Fresh. Alexander Marketing Company. 303,423, May 23, 1933. Republished Feb. 22.
Vegetables, Fresh. J. T. Hiroto. 393,497, Feb. 17, 1942. Republished Feb. 22.
Vegetables, Fresh. Major Distributing Company. 506,881, Feb. 22; Serial No. 532,312, published Oct. 26, 1948.
Vegetables, Fresh. Prospect Island Farming Company. 327,091, Aug. 13, 1935. Republished Feb. 22.
Vegetables, Fresh. Williams Farms Company. 506,942, Feb. 22; Serial No. 537,536, published Nov. 2, 1948.
Vegetables, Fresh, fresh melons and fresh grapes. A. T. Bettencourt. 506,811, Feb. 22; Serial No. 508,023, published Nov. 2, 1948.
Vinegar and table syrup. Crown Products Corporation. 328,993, Oct. 15, 1935. Republished Feb. 22.

CLASS 47

Wine. F. Pirrone & Sons, Inc. 506,944, Feb. 22; Serial No. 537,618, published Oct. 26, 1948.
Wines. Benedict-Swenson Co. 311,621, Mar. 27, 1934. Canceled. O. G. Feb. 22.
Wines. Schenley Import Corporation. 371,764, Oct. 3, 1939. Republished Feb. 22.
Wines. Schenley Import Corporation. 378,600, June 11, 1940. Republished Feb. 22.

CLASS 48

Beer. Miller Brewing Company. 506,937, Feb. 22; Serial No. 536,943, published Oct. 19, 1948.
Beer and ale. The Wooden Shoe Brewing Company. 506,913, Feb. 22; Serial No. 534,849, published Oct. 26, 1948.
Lager beer. Jos. Schlitz Brewing Company. 87,489, July 16, 1912. Republished Feb. 22.
Malt and grain concentrate. Wallerstein Company, Inc. 506,863, Feb. 22; Serial No. 530,134, published Oct. 19, 1948.
Stout and ale. Edward & John Burke, Limited. 71,806, re-renewed Dec. 15, 1948. O. G. Feb. 22.
Stout and ale. Edward & John Burke, Limited. 72,128, re-renewed Jan. 5, 1949. O. G. Feb. 22.

CLASS 49

Alcoholic beverages, Distilled potable. Continental Distilling Corporation. 506,956, Feb. 22; Serial No. 538,247, published Nov. 2, 1948.
Blended Irish whisky, tom gin, dry gin and cognac. Edward & John Burke, Limited. 72,080, re-renewed Dec. 29, 1948. O. G. Feb. 22.
Bourbon whiskey. Old Poindexter Distillery, Incorporated. 506,884, Feb. 22; Serial No. 532,482, published Oct. 26, 1948.
Brandy. Padre Vineyard Company. 506,831, Feb. 22; Serial No. 520,292, published Oct. 19, 1948.
Whiskey. Glenmore Distilleries Company. 506,865, Feb. 22; Serial No. 530,496, published Nov. 9, 1948.
Whiskey. Medley Distilling Company. 506,920, Feb. 22; Serial No. 535,858, published Nov. 2, 1948.
Whiskey. W. P. Squibb Distilling Co., Inc. 506,833, Feb. 22; Serial No. 522,039, published Oct. 19, 1948.
Whiskies, Blended Irish, dry gin and Jamaica rum. Edward & John Burke, Limited. 72,150, re-renewed Jan. 5, 1949. O. G. Feb. 22.
Whisky. The Sherwood Distilling and Distributing Company. 251,793, renewed Jan. 15, 1949. O. G. Feb. 22.

CLASS 50

Hardware, Building. National Co-Operatives, Inc. 380,280, Aug. 20, 1940. Republished Feb. 22.
Shock cushioning resilient compressible mats, pads, nests, etc. The Sponge Rubber Products Company. 435,835, Jan. 13, 1948. Republished Feb. 22.
Tarpaulins, Waterproof canvas. C. R. Daniels, Inc. 255,548, renewed Apr. 23, 1949. O. G. Feb. 22.

CLASS 55

Air transportation. National Airlines, Inc. 507,087, Feb. 22; Serial No. 538,031, published Nov. 9, 1948.
Broadcasting facsimile editions of a newspaper. Triangle Publications, Inc. 507,084, Feb. 22; Serial No. 528,830, published Nov. 9, 1948.
Group form of adversating service. J. M. Haggard. 507,086, Feb. 22; Serial No. 537,581, published Nov. 9, 1948.
Services in connection with its contract painting. Kuehnle-Wilson Inc. 507,085, Feb. 22; Serial No. 532,708, published Nov. 9, 1948.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Dearborn Chemical Company, assignee: *See*—
Gunderson, Lewis O.

Gunderson, Lewis O., Park Ridge, assignor to Dearborn Chemical Company, Chicago, Ill. Prevention of foaming in steam generation. Re. 23,085, Feb. 22.

Holl, James W. F., Los Angeles, Calif. Variable delivery rotary pump. Re. 23,086, Feb. 22.

LIST OF PLANT PATENTEES

Armstrong Nurseries, Inc., assignee: *See*—
Swim, Herbert C.

Grullemans, John J., assignee: *See*—
Sparre, Gustave C.

Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 825, Feb. 22.

Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 826, Feb. 22.

Sparre, Gustave C., Clarkson, Ontario, Canada, assignor to J. J. Grullemans, Mentor, Ohio. Chrysanthemum plant. 827, Feb. 22.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 828, Feb. 22.

Swim, Herbert C., assignor to Armstrong Nurseries, Inc., Ontario, Calif. Rose plant. 829, Feb. 22.

LIST OF DESIGN PATENTEES

American Molded Products Co., assignee: *See*—
Stephen, Alexander F.

Atkin, Kenneth C., assignor to Clarke Sanding Machine Company, Muskegon, Mich. Sanding machine. 152,763, Feb. 22.

Bassett, Charlie J., Fairfax, Ala. Combined grater and receptacle. 152,764, Feb. 22.

Bell Aircraft Corporation, assignee: *See*—
Noble, Roy A., and Youngs.

Binder, Joseph, New York, N. Y., assignor to Pepperell Manufacturing Company, Boston, Mass. Carton. 152,765, Feb. 22.

Birnbaum, Charles, Brooklyn, N. Y. Tie clasp or similar article. 152,766, Feb. 22.

Blackstone Corporation, assignee: *See*—
Briggs, Allan L.

Braham, William E., Los Angeles, Calif. Toy water gun. 152,767, Feb. 22.

Briggs, Allan L., assignor to Blackstone Corporation, Jamestown, N. Y. Portable ironing machine. 152,768, Feb. 22.

Buckeye Aluminum Company, The, assignee: *See*—
Porter, Kirk E.

Caparone, Michael J., Monterey Park, assignor to Grayson Heat Control, Ltd., Lynwood, Calif. Thermostatic control gas valve unit or similar article. 152,769, Feb. 22.

Clarke Sanding Machine Company, assignee: *See*—
Atkin, Kenneth C.

Cohen, Sidney, assignor to Morris W. Haft & Bros., Inc., New York, N. Y. Suit. 152,770, Feb. 22.

Conti Products Corporation, assignee: *See*—
Nunes, Leo G.

Coro, Inc., assignee: *See*—
Katz, Adolph.

Cutler, Horace F., Malden, Mass. Telephone dialing implement. 152,771, Feb. 22.

Davies, Robert M.: *See*—
Thompson, Frank W., and Davies.

Dawson, Stephen V., Evanston, assignor to Orange-Crush Company, Chicago, Ill. Beverage dispenser. 152,772, Feb. 22.

Dennison Manufacturing Company, assignee: *See*—
McGovern, Henry P.

Donaldson, Thomas C., Hollywood, Calif. Coffee urn. 152,773, Feb. 22.

Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Extensible band for a watch bracelet or similar article. 152,774, Feb. 22.

Duester, Hans J., assignor to himself and J. Major, Chicago, Ill. Extensible band for a watch bracelet or similar article. 152,775, Feb. 22.

Dwinell, Charles L., Kansas City, Mo. Advertising display sign. 152,776, Feb. 22.

Dwinell, Charles L., Kansas City, Mo. Display fixture. 152,777, Feb. 22.

Electra Voice Corporation, assignee: *See*—
Overshiner, Ellsworth B.

Empire Ironer, Inc., assignee: *See*—
Getgey, John J.

Fairbanks, Morse & Co., assignee: *See*—
Maguire, Leonard.

Fox, Wilfred R., assignor to Redmond Company, Inc., Owosso, Mich. Air blower. 152,778, Feb. 22.

Franklin Company, The, assignee: *See*—
Klein, William H.

Gesten, Arthur, Newark, N. J. Tie clasp. 152,779, Feb. 22.

Getgey, John J., assignor, by mesne assignments, to Empire Ironer, Inc., Cincinnati, Ohio. Portable ironer. 152,780, Feb. 22.

Gier, George E., Covington, Ky. Tire expanding tool. 152,781, Feb. 22.

Glenmore Distilleries Company, assignee: *See*—
Kelley, Henry E., Jr.

Goddard, Rochelle E.: *See*—
Staudt, James R., and Goddard.

Grayson Heat Control, Ltd., assignee: *See*—
Caparone, Michael J.

Guild, Lurelle V. A., Noroton, Conn. Push-button switch. 152,782, Feb. 22.

Haft, Morris W., & Bros., Inc., assignee: *See*—
Cohen, Sidney.

Helsey, A. H., & Company, assignee: *See*—
King, Horace.

Hess, Lester L., New York, N. Y. Brooch or similar article. 152,783, Feb. 22.

Higgins, Joseph C., Chicago, Ill. Combination table and foldable benches. 152,784, Feb. 22.

Hilliard, Thomas K., Oakland, Calif. Toy vehicle. 152,785, Feb. 22.

Huffman, Russell I., Dover, Ohio, assignor to Knapp-Monarch Company, St. Louis, Mo. Electric steam iron. 152,786, Feb. 22.

Jennings, O. D., & Company, assignee: *See*—
Mihalek, Emery.

Kangas, Arthur J., Detroit, Mich. Deodorant container. 152,787, Feb. 22.

Kaser, Albert, Glendale, Calif. Note-pad container. 152,788, Feb. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,789, Feb. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,790, Feb. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,791, Feb. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,792, Feb. 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,793, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,794, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,795, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,796, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,797, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,798, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,799, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Necklace or similar article. 152,800, Feb. 22.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Finding for jewelry. 152,801, Feb. 22.
Kelley, Henry E., Jr., Kirkwood, Mo., assignor to Glenmore Distilleries Company, Louisville, Ky. Book end. 152,802, Feb. 22.
Kenmildon Inc., assignee: *See*—
Thompson, Frank W., and Davies.
Keramaris, Nickolas, Detroit, Mich. Necktie. 152,803, Feb. 22.
King, Horace, assignor to A. H. Heisey & Company, Newark, Ohio. Glass candle holder or similar article. 152,804, Feb. 22.
King, Horace, assignor to A. H. Heisey & Company, Newark, Ohio. Glass candle holder or similar article. 152,805, Feb. 22.
Klein, William H., Great Neck, assignor to The Franklin Company, Woodside, N. Y. Floodlight holder. 152,806, Feb. 22.
Knapp-Monarch Company, assignee: *See*—
Huffman, Russell I.
Latousek, Bernard L., Los Angeles, Calif. Fog lens. 152,807, Feb. 22.
Lerman, Ben, assignor to Mastercrafters Clock & Radio Co., Chicago, Ill. Clock. 152,808, Feb. 22.
Lorentzen Hardware Mf'g. Corp., assignee: *See*—
Nelson, Harry.
Lynn, H. E., & Company, Inc., assignee: *See*—
MacCauley, Wilbur J.
MacCauley, Wilbur J., assignor to H. E. Lynn & Company, Inc., Santa Monica, Calif. Pressure control regulator. 152,809, Feb. 22.
Magnavox Company, The, assignee: *See*—
Stone, Leland G.
Maguire, Leonard, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Weighing scale. 152,810, Feb. 22.
Maguire, Leonard, St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Weighing scale. 152,811, Feb. 22.
Major, John, assignee: *See*—
Duester, Hans J.
Mapes, Daniel, West Caldwell, N. J. Portable fire extinguisher or similar article. 152,812, Feb. 22.
Maselli, William V., Woodbridge, Conn. Multiple fireplace for outdoor use. 152,813, Feb. 22.
Mastercrafters Clock & Radio Co., assignee: *See*—
Lerman, Ben.
McGovern, Henry P., Fayville, assignor to Dennison Manufacturing Company, Framingham, Mass. Box or the like. 152,814, Feb. 22.
Midouhas, Stephen P., Bristol, Pa. Toy soda fountain. 152,815, Feb. 22.
Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin operated amusement machine or the like. 152,816, Feb. 22.
Mihalek, Emery, assignor to O. D. Jennings & Company, Chicago, Ill. Coin operated amusement machine or the like. 152,817, Feb. 22.
Nelson, Harry, assignor to Lorentzen Hardware Mf'g. Corp., New York, N. Y. Venetian blind slat. 152,818, Feb. 22.
Noble, Roy A., Lewiston, and W. I. Youngs, Buffalo, assignors to Bell Aircraft Corporation, Wheatfield, N. Y. Vehicle frame. 152,819, Feb. 22.
Nunes, Leo G., New York, assignor to Conti Products Corporation, Brooklyn, N. Y. Bottle. 152,820, Feb. 22.
O-Cedar Corp'n, assignee: *See*—
Wagner, Franz.
O'Neil, James R., San Francisco, Calif. Ring-toss game target. 152,821, Feb. 22.
Orange-Crush Company, assignee: *See*—
Dawson, Stephen V.
Overshiner, Ellsworth B., assignor to Electro Voice Corporation, Chicago, Ill. Multiple tool. 152,822, Feb. 22.
Pepperell Manufacturing Company, assignee: *See*—
Binder, Joseph.
Petit, Marie L., New York, N. Y. Brooch or similar article. 152,823, Feb. 22.
Petit, Marie L., New York, N. Y. Brooch or similar article. 152,824, Feb. 22.
Porter, Kirk E., Wooster, Ohio, assignor to The Buckeye Aluminum Company. Cooking vessel. 152,825, Feb. 22.
Raysik, Steve, Kansas City, Mo. Stand for pitcher and drinking glass set. 152,826, Feb. 22.
Redmond Company, Inc., assignee: *See*—
Fox, Wilfred R.
Reynoso, Salvador, Chicago, Ill. Alphabet for forming monograms or the like. 152,827, Feb. 22.
Ritholz, Benjamin D., Chicago, Ill. Binocular telescope. 152,828, Feb. 22.
Rummelsburg, Alvin S., Hempstead, N. Y. Drawer handle. 152,829, Feb. 22.
Russian, Herman A., New Haven, Conn. Pajama suit or similar article. 152,830, Feb. 22.
Saba, Joseph G., Brookline, Mass. Dish or the like. 152,831, Feb. 22.
Scharaga, David I., Mount Vernon, N. Y. Baby's high chair. 152,832, Feb. 22.
Scheu, Norma I., Los Angeles, Calif. Felt boot. 152,833, Feb. 22.
Shepard, Ernest L., Fairfield, Maine. Packing material for fragile articles. 152,834, Feb. 22.
Snyder, Ben L., Tucson, Ariz. Store front. 152,835, Feb. 22.
Stahl, Harold H., New York, N. Y. Hat. 152,836, Feb. 22.
Staniszewski, Walter P.: *See*—
Wetherill, Frederick A., and Staniszewski.
Staudt, James R., and R. E. Goddard, Fort Worth, Tex., said Staudt assignor to said Goddard. Chair. 152,837, Feb. 22.
Stephen, Alexander F., Des Plaines, assignor to American Molded Products Co., Chicago, Ill. Beam compass. 152,838, Feb. 22.
Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 152,839, Feb. 22.
Stone, Leland G., assignor to The Magnavox Company, Fort Wayne, Ind. Radio phonograph cabinet. 152,840, Feb. 22.
Thompson, Frank W., New Haven, and R. M. Davies, West Haven, Conn., assignors to Kenmildon Inc. Electric air heater. 152,841, Feb. 22.
Wagner, Bertha, Rye, N. Y. Doll. 152,842, Feb. 22.
Wagner, Franz, assignor to O-Cedar Corp'n, Chicago, Ill. Combination mop head and handle socket. 152,843, Feb. 22.
Wajdik, Margaret, New York, N. Y. Combined hair curler and bobby pin container. 152,844, Feb. 22.
Wakeman, Marvin J., Brooklyn, N. Y. Brooch or similar article. 152,845, Feb. 22.
Wakeman, Marvin J., Brooklyn, N. Y. Brooch or similar article. 152,846, Feb. 22.
Weiss, Jacob M., New York, N. Y. Combination ball pen and knife. 152,847, Feb. 22.
Wetherill, Frederick A., and W. P. Staniszewski, Middletown, Mass. Coin dispenser. 152,848, Feb. 22.
Youngs, Wallace I.: *See*—
Noble, Roy A., and Youngs.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abeling, Raymond O., assignor of fifty per cent to J. Hirchak, Torrington, Conn. Moisture removing device for deep freezers. 2,462,705, Feb. 22.
Adams, Floyd W., assignor to Los Angeles Paper Box Factory, Los Angeles, Calif. Apparatus for saturating fabrics. 2,462,297, Feb. 22.
Adler, Howard, Flossmoor, Ill., assignor to Victor Chemical Works. Producing hexaethyl tetraphosphate. 2,462,057, Feb. 22.
Aeroquip Corporation, assignee: *See*—
Hurst, Peter F.
Agriculture, the United States of America as represented by the Secretary of, assignee: *See*—
Campbell, Kenneth S., and Sands.
Smith, Lee T.
Ahier, Jean, and J. Selz, Lyons, France, assignors to International Standard Electric Corporation, New York, N. Y. System for comparison of phase shift of electric quantities. 2,462,058, Feb. 22.
Aikins, John R.: *See*—
Jacobson, Eugene W., Cressi, and Aikins.
Aircraft Radio Corporation, assignee: *See*—
Drake, Frederick H.
Drake, Frederick H., and King, Jr.
Aitken, James B., executor: *See*—
Nightingall, Victor C. J.
Akin, Frank, Dallas, Tex. Battery terminal. 2,462,453, Feb. 22.
Alberich, Felicia, Sunnyside, N. Y. Blouse with variable neckline effect. 2,462,706, Feb. 22.
Albertoli, John, San Francisco, Calif. Can-marking device. 2,462,590, Feb. 22.
Alexander, Cleute B., Newcastle, Ind. Pencil vending machine. 2,462,298, Feb. 22.
Allegro, Joseph A.: *See*—
Richeson, Sanford E., and Allegro.
Allen, Harold F., Dewitt, assignor to Allen Jigger Corporation, Syracuse, N. Y. Scrap removing device. 2,462,707, Feb. 22.
Allen Jigger Corporation, assignee: *See*—
Allen, Harold F.
Allied Chemical & Dye Corporation, assignee: *See*—
Calfee, John D., and Bratton.
Meath, William B.
Allison, Leslie R., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Train carried cab signal apparatus. 2,462,454, Feb. 22.
Ambrose, Dermot M.: *See*—
Chatterjea, Prafulla K., Ambrose, and Beney.
American Can Company, assignee: *See*—
Erb, George C.
American Cyanamid Company, assignee: *See*—
De Waard, Russell D., Stryker, and Blockman.
American Home Products Corporation, assignee: *See*—
Shohan, Jacob B.
American Smelting and Refining Company, assignee: *See*—
Thomas, Moyer D.
American Steel Foundries, assignee: *See*—
Sedgwick, Robert K.
American Steel and Wire Company, The, assignee: *See*—
Brickman, Alan E.
American Steel and Wire Company of New Jersey, The, assignee: *See*—
Peirce, Walter T.
Anaconda Wire and Cable Company, assignee: *See*—
Olson, John W., and Bechle.
Anderson, William G., Hollywood, Fla. Support for shiftable curtain rods. 2,462,344, Feb. 22.
Andresen, Hilmar A., Chicago, Ill. Electron discharge device. 2,462,153, Feb. 22.
Andrews & Goodrich, Inc., assignee: *See*—
Gautreau, Arthur G.
Andrews, Howard D., Salinas, Calif. Staple puller. 2,462,250, Feb. 22.
Andrews, Robert J. M.: *See*—
Pheasey, John R., and Andrews.
Anthes, Jacob: *See*—
Mikkelson, Ward C., and Anthes.
Anthony, Benjamin F.: *See*—
Charman, Walter M., and Anthony.
Applebaum, Milton, New York, N. Y. Combined soap dish. 2,462,299, Feb. 22.
Appliance Development Company, assignee: *See*—
Hautau, Charles F.
Applied Arts Corporation, assignee: *See*—
Hendricks, Cornelius.
Archer-Daniels-Midland Company, assignee: *See*—
Konen, James C., and Schroeder.
Arditi, Maurice, Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Electronic discharge device for electronic multiplication. 2,462,059, Feb. 22.
Armstrong, C. M., Inc., assignee: *See*—
Block, Richard J.
Arundale, Erving, Westfield, N. J., assignor to Standard Oil Development Company. Treatment of synthetic rubber latex. 2,462,591, Feb. 22.
Austin, William E.: *See*—
Van Dinter, George L., and Austin.
Automatic Electric Laboratories, Inc., assignee: *See*—
Herrick, Roswell H.
Badeau, Carroll A.: *See*—
Thomas, George C., Jr., and Badeau.
Bakelite Corporation, assignee: *See*—
Myers, Clayton S.
Shechter, Leon.
Baker, Benjamin P., Turtle Creek, and W. M. Leeds, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,708, Feb. 22.
Ball, Edgar D., Horsley Woodhouse, near Derby, assignor to Taylor-Ball Developments Limited, London, England. Toggle actuated tool and release therefor. 2,462,709, Feb. 22.
Ballinger, Lewis J. H., Randwick, near Stroud, England. Abrasive wheel guard. 2,462,710, Feb. 22.
Baltimore Paper Box Company, The, assignee: *See*—
Riley, Melvin A., and McClelland.
Bard, Francis N., Highland Park, Ill. Flexible joint. 2,462,592, Feb. 22.
Barnes, James F., assignee: *See*—
Rodriquez, Alfred.
Barnes, John V., La Canada, Calif. Water softener. 2,462,154, Feb. 22.
Barnes, Margaret M., assignee: *See*—
Rodriquez, Alfred.
Barnett, Willard W., Clovis, N. Mex. Front wheel bicycle knee action. 2,462,711, Feb. 22.
Barney, Arthur L., West Lafayette, assignor to Purdue Research Foundation, La Fayette, Ind. Preparation of di-menthone. 2,462,712, Feb. 22.
Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric fluorine compounds containing a four-carbon atom ring. 2,462,345, Feb. 22.
Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aromatic polyfluoro four-carbon atom ring compounds. 2,462,346, Feb. 22.
Barrick, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of polyfluoroethylenes and terminally unsaturated compounds. 2,462,347, Feb. 22.
Bartelt, Paul, assignor to International Standard Electric Corporation, New York, N. Y. Transmission mechanism. 2,462,060, Feb. 22.
Bartlett, Benson G. W., assignor to one-half to Northern Patent Developments, Limited, Darlington, England. Annular floating toothed gearing. 2,462,455, Feb. 22.
Bassford, Henry H., Jr., and W. S. Harmon, Elizabeth, and J. F. Mahoney, Westfield, assignors to Merck & Co., Inc., Rahway, N. J. Preparing ascorbic acids. 2,462,251, Feb. 22.
Batchelder, Howard R., Chicago, Ill., assignor to The United Gas Improvement Company. Pitch resin. 2,462,593, Feb. 22.
Batchler, Roy, Washington, D. C. Pipe joint. 2,462,348, Feb. 22.
Batten, Percy H., assignee, trustee, et al.: *See*—
Boestad, Gustav K. W., and Eriksson.
Batten, Percy H., as trustee: *See*—
Lysholm, Alf.
Battilani, Stefano, New York, N. Y. Vacuum type coffee-making utensil. 2,462,349, Feb. 22.
Bauer, Joseph, and A. Schittelbauer, Detroit, Mich. Height gauge. 2,462,350, Feb. 22.
Beal, James F. assignor to Renfrew Electric & Refrigerator Company Limited Renfrew, Ontario, Canada. Multi-position switch. 2,462,594, Feb. 22.
Beatty, William A., London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. High-frequency electrical communication system utilising damped oscillations. 2,462,061, Feb. 22.

Bechle, Charles W.: *See*—
Boestad, Gustav K. W., and E. O. Eriksson, Liding…

Buckley, Clyde D., Stamford, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for …
Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. …

Bechle, Charles W.: *See*—
Olson, John W., and Bechle.

Bechtol, Lavon D.: *See*—
McBee, Earl T., and Bechtol.

Bedford, Alda V., Princeton, N. J., assignor to Radio Corporation of America. Antihunt servomotor control system. 2,462,456, Feb. 22.

Beech-Nut Packing Company, assignee: *See*—
Binsack, Joseph W.

Beeman, Donald R., Wharton, N. J., assignor to the United States of America as represented by the Secretary of War. Fuse. 2,462,062, Feb. 22.

Bell Telephone Laboratories, Incorporated, assignee: *See*—
Christensen, Howard, and Kleimack.
Olsen, Karl M.
Wooten, Leland A.

Bendix Aviation Corporation, assignee: *See*—
Herwig, Robert S.
Wheeler, Harold A.
Yates, Lester R.

Benedict, Fremont W., Upper Darby, Pa. Screening. 2,462,595, Feb. 22.

Beney, James K.: *See*—
Chatterjea, Prafulla K., Ambrose, and Beney.

Benjamin, Milton L., Shaker Heights, and F. E. Winnen, Cleveland, Ohio, said Winnen assignor to said Benjamin. Chuck. 2,462,155, Feb. 22.

Bent, Arthur J., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Packing. 2,462,596, Feb. 22.

Bergman, Charles P., Brooklyn, N. Y., assignor to Rockwell Manufacturing Company. Guide means for rotary oscillating pistons of expansible chamber meters. 2,462,063, Feb. 22.

Berkson, Erwin L., Chicago, Ill. Tamperproof hinge or the like. 2,462,300, Feb. 22.

Berman, Bertha, New York, N. Y. Bed sheet construction. 2,462,156, Feb. 22.

Berndtson, John O., Short Beach, assignor to The Snow-Nabstedt Gear Corporation, New Haven, Conn. Multiple-clutch mechanism. 2,462,457, Feb. 22.

Berry, Charles R., deceased, Vicksburg, Miss.; R. M. Berry, administratrix. Doffing mechanism for cotton harvesters. 2,462,800, Feb. 22.

Beymer, Marshall, assignor of one-half to H. L. Sweitz, Chicago, Ill. Spot welding apparatus. 2,462,458, Feb. 22.

Bice, Richard A.: *See*—
Boyd, John, and Bice.

Bigelow, Charles A., Houston, Tex. Air resistant brake flap. 2,462,459, Feb. 22.

Billig, Julius: *See*—
Norman, William Z., and Billig.

Bilnor Corp., assignee: *See*—
Norman, William Z., and Billig.

Bilofsky, Myers A., Loch Arbour, N. J. Film holder. 2,462,713, Feb. 22.

Binks Manufacturing Company, assignee: *See*—
Gustafsson, Eric, and Striegel.

Binsack, Joseph W., New Drop, assignor to Beech-Nut Packing Company, Canajoharie, N. Y. Carton closing machine. 2,462,460, Feb. 22.

Bird, John L.: *See*—
Halpert, Percy, Frische, Bird, and Esval.

Bird, Miles F., Cushing, Wis. Vacuum jar and bottle combined. 2,462,461, Feb. 22.

Blackburn, John L.: *See*—
Goldsborough, Shirley L., and Blackburn.

Blackburn, Wayne E., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Eliminating porosity in crystalline selenium films. 2,462,157, Feb. 22.

Blau, Marietta, New York, and J. R. Carlin, Brooklyn, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Area measuring device and method. 2,462,351, Feb. 22.

Block, Richard J., Scarsdale, N. Y., assignor to C. M. Armstrong, Inc. Amino acid separation. 2,462,597, Feb. 22.

Blockman, Albert F.: *See*—
De Waard, Russell D., Stryker, and Blockman.

Blodget, Richard, Chicago, Ill. Rotatable disk, perpetual calendar with interlaced spiral formations. 2,462,598, Feb. 22.

Bludworth, Joseph E., M. O. Robeson, and H. A. Truby, Jr., Corpus Christi, Tex., assignors to Celanese Corporation of America. Electrolytic production of allyl alcohol. 2,462,301, Feb. 22.

Bluman, John E.: *See*—
Guerdan, Dikran A., and Bluman.

Blumensaadt, Evend G.: *See*—
Neely, William H., and Blumensaadt.

Blumlein, Alan D., deceased, Ealing, London, by D. Blumlein, executrix, Leecroft, Penzance, Cornwall, and W. H. Connell, Hillingdon, and D. G. Holloway, Maidenhead, assignors to Electric & Musical Industries Limited, Hayes, Middlesex, England. Self-balancing bridge arrangement. 2,462,599, Feb. 22.

Blumlein, Doreen, executrix: *See*—
Blumlein, Alan D.

Boardman, Harry C., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Pressure vessel for storage of liquids at abnormally high or low temperatures. 2,462,064, Feb. 22.

Boestad, Gustav K. W., and E. O. Eriksson, Lidingo, Sweden, assignors, by mesne assignments, to J. C. Marble, New York, N. Y., L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Turbine. 2,462,600, Feb. 22.

Boggs, Helen J.: *See*—
Boggs, Herbert D. and H. J.

Boggs, Herbert D. and H. J., Omaha, Nebr. Convertible air and land conveyance. 2,462,462, Feb. 22.

Bohl, Hugo E., Westfield, N. J. Circular-line fluorescent lighting fixture. 2,462,714, Feb. 22.

Bohrer, George J., Troy, N. Y., assignor to General Electric Company. Tetrachlorophthalic diesters. 2,462,601, Feb. 22.

Bolsey, Jacques, New York, N. Y. Shutter control for cinematographic cameras. 2,462,302, Feb. 22.

Boot, Robert H. F., assignor to Under Water Welders & Repairers Limited, London, England. Electric arc cutting electrode. 2,462,463, Feb. 22.

Booth, James C., Jackson Heights, N. Y. Warning magnetic unit. 2,462,715, Feb. 22.

Booth, Sheldon M., Chicago, Ill. Toolholder. 2,462,716, Feb. 22.

Boots, Edmund R., Short Hills, N. J., assignor to The Nylok Corporation, New York, N. Y. Threaded locking device. 2,462,603, Feb. 22.

Booty, Raymond G., Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Production and use of synthetic resin. 2,462,252, Feb. 22.

Booty, Raymond G., Elmwood Park, Ill., assignor to Weyerhaeuser Timber Company, Tacoma, Wash. Production and use of synthetic resin. 2,462,253, Feb. 22.

Boston Woven Hose and Rubber Company, assignee: *See*—
Knowland, Thomas M.

Botteron, Donald G., Syracuse, N. Y., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of vinyl ethers. 2,462,602, Feb. 22.

Boucher, Percival L., Troon Ayrshire, assignor to Glenfield & Kennedy Limited, Kilmarnock, Ayrshire, Scotland. Water filter. 2,462,604, Feb. 22.

Bouget, Yves A., West Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material serving apparatus. 2,462,303, Feb. 22.

Bowen, William J., and W. R. White, Berkeley, Calif. Shoe polish compact. 2,462,065, Feb. 22.

Bowser, S. F., & Company, Ltd., assignee: *See*—
Passman, Charles.

Boyd, John, Pittsburgh, and R. A. Bice, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing articles of manufacture. 2,462,158, Feb. 22.

Boyer, Raymond F.: *See*—
Matheson, Lorne A., and Boyer.

Boyer, Raymond F., L. A. Matheson, and R. C. Reinhardt, assignors to The Dow Chemical Company, Midland, Mich. Heat stable compositions comprising polymeric vinylidene chloride and phenothioxine or certain derivatives thereof. 2,462,352, Feb. 22.

Bratton, Francis H.: *See*—
Calfee, John D., and Bratton.

Bray, Frederick H., and F. E. Newton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Circuits for generating electric impulses. 2,462,066, Feb. 22.

Brennan, Joseph B., assignee: *See*—
Moythan, John J.

Brickman, Alan E., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Contraction joint assembly. 2,462,353, Feb. 22.

Bridwell, Chalon E., Detroit, Mich. Valve cage. 2,462,605, Feb. 22.

Brier, Ernest J., Los Angeles, and W. G. McCue, Downey, Calif. Ironing cord retractor. 2,462,464, Feb. 22.

British Industrial Solvents, Limited, assignee: *See*—
Pemberton, Edgar S.

Broderick & Bascom Rope Company, assignee: *See*—
Larkin, David.

Brodeur, Jules, New York, N. Y., assignor to Coty, Inc., Wilmington, Del. Cosmetic blend predetermining device. 2,462,606, Feb. 22.

Brown & Bigelow, assignee: *See*—
Trollen, Martin E.

Brown, Milton F., Jr., Thomson, Ga. Button fastener. 2,462,717, Feb. 22.

Brown, Robert L., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative combined with n-alkoxymethyl polyamide. 2,462,159, Feb. 22.

Browne, Donald W., Chicago, Ill. Heating element. 2,462,607, Feb. 22.

Brubaker, Merlin M., Delaware County, and R. A. Jacobson, Landenburg, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Organic compound polymerisation process. 2,462,354, Feb. 22.

Brun, Marcel, Saint-Etienne, France. Cycle bell. 2,462,718, Feb. 22.

Bryan, Thomas J., Brooklyn, N. Y. Combined cigarette or tobacco package and ash tray. 2,462,160, Feb. 22.

Buckendale, Lawrence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Resilient lubricant seal. 2,462,067, Feb. 22.

Buckley, Clyde D., Needham, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Snap fastener attaching tool. 2,462,801, Feb. 22.

Buckley, Clyde D., Stamford, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Holder for fastener attaching means. 2,462,802, Feb. 22.

Buechele, Andrew C., Minneapolis, Minn., assignor to General Mills, Inc. Plastic composition. 2,462,053, Feb. 22.

Burdick, Emory F., assignor to F. L. Jacobs Co., Detroit, Mich. Sun visor. 2,462,304, Feb. 22.

Burgess, Everett H.: *See*—
Lehane, Timothy J., and Burgess.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Coumarone-indene resin stabilized with an alkyl polyhydroxy spiro indane. 2,462,608, Feb. 22.

Burroughs, Samuel G., Pittsburgh, assignor to Pennsylvania Industrial Chemical Corporation, Clairton, Pa. Indene resin stabilized with an alkyl polyhydroxy spiro indane. 2,462,609, Feb. 22.

Burum, Fisher C., assignor of one-third to G. B. Lindler, Houston, Tex. Parking meter resetting mechanism. 2,462,610, Feb. 22.

Butts, Richard R., Miamisburg, Ohio. Vibratory polisher. 2,462,068, Feb. 22.

Butwin Sportswear Co., assignee: *See*—
Cassens, Bruno F.

Bye, Clarence M., Osseo, Wis. Shoe or boot display device. 2,462,611, Feb. 22.

Byer, Henry E., Bernardsville, N. J. Condenser. 2,462,355, Feb. 22.

Byrd, Noel M., Charleston, Ill. Suspending device. 2,462,719, Feb. 22.

Caldwell, Glenn A.: *See*—
Erbe, John R., and Caldwell.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Amides of acetoacetic acid and their preparation. 2,462,358, Feb. 22.

Caldwell, John R., and H. J. Hagemeyer, Jr., Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of β-lactones. 2,462,357, Feb. 22.

Calfee, John D., Manhasset, and F. H. Bratton, Floral Park, N. Y., assignors to Allied Chemical & Dye Corporation. Hydrofluorination of unsaturated organic compounds. 2,462,359, Feb. 22.

Call, Howard L., Ogden, Utah. Matrix band. 2,462,356, Feb. 22.

Callis, Howard F., Norfolk, Va. Hose supporter. 2,462,161, Feb. 22.

Cameron Machine Company, assignee: *See*—
Scheuermann, Joseph S., and Carter.

Campbell, Kenneth S., and J. E. Sands, New Orleans, La., assignors to the United States of America as represented by the Secretary of Agriculture. Fireproofing compositions. 2,462,803, Feb. 22.

Campbell, Samuel J., Green Bay, Wis. Multiple lane wrapping machine and method. 2,462,254, Feb. 22.

Canadian Radium & Uranium Corporation, assignee: *See*—
Blau, Marietta, and Carlin.

Canady, Don, assignor to Dayton Acme Company, Cincinnati, Ohio. Voltage multiplier. 2,462,804, Feb. 22.

Carey, Reece M., assignee: *See*—
Galvin, Charles E.

Carlin, Jack R.: *See*—
Blau, Marietta, and Carlin.

Carlson, Clarence W., assignee: *See*—
Holmes, John E.

Carnell, Paul H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Preparing lubricating oils. 2,462,360, Feb. 22.

Carter, Thomas N.: *See*—
Scheuermann, Joseph S., and Carter.

Casella, Secondo L.: *See*—
Himoff, Morris G., and Casella.

Casella, Secondo L., New York, assignor to Morey Machinery Co. Inc., Astoria, Long Island, N. Y. Chuck for lathes and the like machine tools. 2,462,465, Feb. 22.

Cassens, Bruno F., assignor to Butwin Sportswear Co., St. Paul, Minn. Jacket construction. 2,462,361, Feb. 22.

Castedello, William: *See*—
Schwartz, Morris, and Castedello.

Castellanos, Gonzalo M., Placetas, assignor to Meneses y Compania, Placetas, Las Villas, Cuba. Crude oil purifier. 2,462,466, Feb. 22.

Catlin, John P., Fairfield, assignor to Remington Arms Company, Inc., Bridgeport, Conn. Explosive device. 2,462,305, Feb. 22.

Celanese Corporation of America, assignee: *See*—
Bludworth, Joseph E., Robeson, and Truby.
Elvin, William J., and Stahl.

Charman, Walter M., Shaker Heights, and B. F. Anthony, Cleveland Heights, assignors to The Ferro Engineering Company, Cleveland, Ohio. Insulating cover. 2,462,255, Feb. 22.

Charman, Walter M., Shaker Heights, and B. F. Anthony, Cleveland Heights; said Anthony assignor to The Ferro Engineering Company, Cleveland, Ohio. Insulating cover. 2,462,256, Feb. 22.

Charrier, Marc F., Monticello, N. Y. Gas producer. 2,462,720, Feb. 22.

Chatterjea, Prafulla K., and L. W. Houghton, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Radio communication system. 2,462,069, Feb. 22.

Chatterjea, Prafulla K., and S. J. Powers, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Hermetically sealed electric insulator. 2,462,070, Feb. 22.

Chatterjea, Prafulla K., D. M. Ambrose and J. K. Beney, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Generation of electric pulses. 2,462,071, Feb. 22.

Chenicek, Joseph A.: *See*—
Thompson, Ralph B., and Chenicek.

Chicago Bridge & Iron Company, assignee: *See*—
Boardman, Harry C.
Horton, George T.

Chicago Metallic Manufacturing Company, assignee: *See*—
Debs, Jerome H.

Christensen, Esther M., Denver, Colo. Compartmented culinary utensil. 2,462,362, Feb. 22.

Christensen, Howard, Springfield, and J. J. Kleimack, Westfield, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Metallic oxide resistor. 2,462,162, Feb. 22.

Ciba Limited, assignee: *See*—
Roestl, Hans.

Clamp, Charles C., San Antonio, Tex. Pyrophoric lighter. 2,462,467, Feb. 22.

Clark, Avery A.: *See*—
Roach, David J., Clark, and Rienks.

Clark, Kendall, and K. O. Sisson, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Spectacle sighting device. 2,462,468, Feb. 22.

Clark, Maurice G.: *See*—
Mills, Robert V., Clark, and Ruff.

Clinton Machine Company, assignee: *See*—
Thomas, Donald.

Cochran, Robert T.: *See*—
Knox, William H., Jr., Cochran, Grudup, and Miller.

Cockerille, Frank O., Albemarle County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of esters. 2,462,163, Feb. 22.

Cohen, Harold, Elizabeth, N. J. Locking device. 2,462,164, Feb. 22.

Cohen, Harold, Elizabeth, N. J. Clamp. 2,462,721, Feb. 22.

Cole, M. T., Co., assignee: *See*—
Meyer, Walter, and Cole.

Cole, Myron T., assignee: *See*—
Meyer, Walter.

Colgate-Palmolive-Peet Company, assignee: *See*—
Malkemus, John D.
Percy, Joseph H.

Collins Radio Company, assignee: *See*—
Hubbard, Merle R.

Colt's Manufacturing Company, assignee: *See*—
Kennedy, Horace J.

Condon, Naomi V., Detroit, Mich. Garment for infants. 2,462,165, Feb. 22.

Conmar Products Corporation, assignee: *See*—
Mikulas, William, and Jones.

Connell, William H.: *See*—
Blumlein, Alan D., Connell, and Holloway.

Conrow, Clayton L., Arroyo Grande, Calif. Adjustable binder hitch. 2,462,469, Feb. 22.

Consolidated Edison Company of New York, Inc., assignee: *See*—
Donovan, Lewis B.

Consolidated Vultee Aircraft Corp., assignee: *See*—
Dusevoir, Julius.

Cook Electric Company, assignee: *See*—
Hasselhorn, Walter C.

Cook, John W., York, S. C. Spring. 2,462,363, Feb. 22.

Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Control switch for discharge lamps. 2,462,306, Feb. 22.

Cooper, Ernest E., Lafayette, R. I. Pivoted side-jaw wrench having manually-controlled slidable-wedge lock. 2,462,364, Feb. 22.

Cooper's, Incorporated, assignee: *See*—
Kneibler, Arthur R.

Corning Glass Works, assignee: *See*—
Hyde, James F.

Coty, Inc., assignee: *See*—
Brodeur, Jules.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Controllable hydraulic power lift. 2,462,722, Feb. 22.

Craig, John R., deceased, by The Union Trust Company of Pittsburgh, administrator, Pittsburgh, Pa. Liquid treating apparatus. 2,462,612, Feb. 22.

Crane Co., assignee: *See*—
De Craene, Edmond P.

Crawford, Frank, Lihue, Hawaii. Fishing reel. 2,462,365, Feb. 22.

Creassi, Harry O.: *See*—
Jacobson, Eugene W., Creassi, and Aikins.

Creed and Company Limited, assignee: *See*—
Salmon, Reginald D.
Thomas, Frank R.

Cruich, John R., Chicago, Ill. Toy repeating rubber band gun. 2,462,723, Feb. 22.

Crompton & Knowles Loom Works, assignee: *See*—

Detrick, Stanley R., New Castle County, W. H. Lockwood, Wilmington; and N. Whitman, New Castle County, assignors to E. I. du Pont de Nemours & Company,

Eaton Manufacturing Company, assignee: *See*—
Russell, Robert G.

Eby, Lawrence T., Roselle, and L. A. Mikeska, Westfield,

Ferro Engineering Company, The, assignee: *See*—
Charman, Walter M., and Anthony.
Garms, Levi J.

Fields, Charles V., Pittsburgh, assignor to Westinghouse

Cruich, John R., Chicago, Ill. Toy repeating rubber band gun. 2,462,723, Feb. 22.
Crompton & Knowles Loom Works, assignee: *See*—
Manoog, John C., and Wakefield.
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Telegraphy receiver with automatic frequency control. 2,462,470, Feb. 22.
Crossman, Francis M., New York, N. Y. Singeing device for textile fabrics and the like. 2,462,166, Feb. 22.
Crudup, William R.: *See*—
Knox, William H., Jr. Cochran, Crudup, and Miller.
Crumrine, Kenneth C., Bellaire, Tex., assignor to The Texas Company, New York, N. Y. Radiation detector. 2,462,471, Feb. 22.
Cuillierrier, Leopold, Verdun, Quebec, Canada. Tire chain latch. 2,462,472, Feb. 22.
Cumming, James M., Turtle Creek, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,724, Feb. 22.
Cunningham, John D., Houston, Tex. Pump plunger. 2,462,257, Feb. 22.
Cuny Engineering Inc., assignee: *See*—
Cuny, Ernest A.
Cuny, Ernest A., New York, N. Y., assignor to Cuny Engineering Inc. Pump. 2,462,725, Feb. 22.
Curlette, Inc., assignee: *See*—
Stewart, Robert G.
Currie, Donald, assignee: *See*—
Currie, Dugald.
Currie, Dugald, Des Moines, assignor to Donald Currie, Odebolt, Iowa. Tractor hitch bracket. 2,462,726, Feb. 22.
Curtiss-Wright Corporation, assignee: *See*—
Griffin, Harry M.
Cutler-Hammer, Inc., assignee: *See*—
Evans, Clarence T.
Lassen, Eivind U.
Danelz, Patricia G., Minneapolis, Minn. Neck scarf. 2,462,727, Feb. 22.
Daniels, Frederick A., Wilmington, Del., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gun sight. 2,462,307, Feb. 22.
Dannenberg, Milton A., Chicago, Ill. Cap. 2,462,258, Feb. 22.
Danner, Edward, Newark, Ohio. Apparatus for forming glass tubing, rods and the like. 2,462,805, Feb. 22.
Danner, Edward, Newark, Ohio. Glassware forming apparatus. 2,462,806, Feb. 22.
Danner, Edward, Newark, Ohio. Apparatus for the manufacture of tubular glassware. 2,462,807, Feb. 22.
Danner, Edward, Newark, Ohio. Manufacture of tubular glassware. 2,462,808, Feb. 22.
Darmara, Falih N., Utica, assignor to Utica Drop Forge & Tool Corporation, Whitestown, N. Y. Inductively heating pliers. 2,462,072, Feb. 22.
Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Ratchet and pawl mechanism for hand brakes. 2,462,167, Feb. 22.
Daughton, Edward J., Elmwood Park, Ill. Miniature railroad rail. 2,462,073, Feb. 22.
Davies, Caleb, Jr., Ben Avon, and R. York, Jr., assignors to Pittsburgh Consolidation Coal Company, Pittsburgh, Pa. Heating of granular materials. 2,462,366, Feb. 22.
Davis, Delos A., Detroit, Mich. Anticut nonstrip-out handle. 2,462,168, Feb. 22.
Davisson, Glen T., El Paso, Tex. Inhaler for treating sinus and hay fever and sealing a medicament therein. 2,462,169, Feb. 22.
Dayton Acme Company, assignee: *See*—
Canady, Don.
Deakin, Gerald, New York, N. Y., and H. F. Herbig, Summit, N. J., assignors to International Standard Electric Corporation, New York, N. Y. Biasing potential switching system. 2,462,074, Feb. 22.
Debs, Jerome H., assignor to Chicago Metallic Manufacturing Company, Chicago, Ill. Tin coated baking pan with painted exterior surfaces. 2,462,728, Feb. 22.
Decca Record Company, Limited, The, assignee: *See*—
O'Brien, William J.
Deck, Earl L., Youngstown, Ohio. Manipulating member for socket wrenches. 2,462,729, Feb. 22.
De Craene, Edmond P., Westchester, assignor to Crane Co., Chicago, Ill. Adjustable stop for gate valves. 2,462,809, Feb. 22.
Deere & Company, assignee: *See*—
Court, Frank T.
Deere, John, Van Brunt Company, assignee: *See*—
Hyland, William A.
Deere Manufacturing Co., assignee: *See*—
Worthington, Wayne H., and Jirsa.
De Forest, Lee, Los Angeles, Calif. Frequency modulating device. 2,462,367, Feb. 22.
Delaney, Virginia M., Norco, Calif. Circular knitting needle. 2,462,473, Feb. 22.
Delano, James K., Rye, N. Y. Coating apparatus for wires, filaments, and the like. 2,462,474, Feb. 22.
Delmonte, John, Glendale, assignor of seventy-two per cent to R. Hemphill, Los Angeles, Calif. Furfuryl alcohol-resorcinol resin composition. 2,462,054, Feb. 22.
Desch, Joseph R., E. V. Gulden, and R. E. Mumma, assignors to The National Cash Register Company, Dayton, Ohio. Communication system. 2,462,613, Feb. 22.
Detrick, Stanley R., New Castle County, W. H. Lockwood, Wilmington, and N. Whitman, New Castle County, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of polysulfonyl chlorides. 2,462,730, Feb. 22.
De Vilbiss Company, The, assignee: *See*—
Peeps, Donald J.
De Waard, Russell D., Riverside, C. R. Stryker, Cos Cob, and A. F. Blockman, Springdale, Conn., assignors to American Cyanamid Company, New York, N. Y. Stiffness and bending strength tester for thin sheet materials. 2,462,826, Feb. 22.
Dewhirst, Paul A., assignee: *See*—
Hamer, Leland S.
De Witt, Chauncey O., Teaneck, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automatic drainage apparatus. 2,462,614, Feb. 22.
Di Filippo, Abramo, Silver Spring, Md. Sterilizer for barbers' implements. 2,462,475, Feb. 22.
Di-Met Proprietary Limited, assignee: *See*—
Nightingall, Victor C. J.
Dinzl, Richard W., Westfield, assignor to The Watson-Stillman Co., Roselle, N. J. Injection molding machine. 2,462,308, Feb. 22.
Donohue, John F., Philadelphia, Pa. T square gauge. 2,462,075, Feb. 22.
Donovan, Lewis B., White Plains, assignor to Consolidated Edison Company of New York, Inc., New York, N. Y. Apparatus for painting gas holders. 2,462,368, Feb. 22.
Dooley, Harry H.: *See*—
Wallhausen, Clarence W., and Dooley.
Dow Chemical Company, The, assignee: *See*—
Boyer, Raymond F., Matheson, and Reinhardt.
Matheson, Lorne A., and Boyer.
Dowick, Benjamin, Jersey City, N. J. Device for mounting selective multiple pulleys upon an electric motor drive shaft. 2,462,476, Feb. 22.
Downing, Frederick B.: *See*—
Pedersen, Charles J., and Downing.
Drake, Frederick H., assignor to Aircraft Radio Corporation, Boonton, N. J. Oscillator tube mounting. 2,462,370, Feb. 22.
Drake, Frederick H., Boonton, and P. B. King, Jr., Mountain Lakes, assignor to Aircraft Radio Corporation, Boonton, N. J. Bead thermistor. 2,462,369, Feb. 22.
Dryden, James B., Carlsbad, N. Mex. Tank filling control. 2,462,076, Feb. 22.
Dubé, Noël A., Salmon Falls, N. H. Table baseball. 2,462,170, Feb. 22.
Dubpernell, George, Watertown, Conn., assignor to United Chromium, Incorporated, New York, N. Y. Chromium plating and treating steel airplane propeller blades. 2,462,615, Feb. 22.
Duggan, George A., Long Beach, Calif. Diversion blind fitting. 2,462,731, Feb. 22.
Duggar, Llewellyn G., Montgomery, Ala. Navigational system. 2,462,077, Feb. 22.
Du Pont, E. I., de Nemours & Company, assignee: *See*—
Barrick, Paul L.
Brown, Robert L.
Brubaker, Merlin M., and Jacobson.
Cockerille, Frank O.
Detrick, Stanley R., Lockwood, and Whitman.
Gresham, William F.
Gribbins, Myers F.
Hager, Glenn F.
Hallowell, Alban T.
Harmon, Jesse.
Hauser, Paul M.
Hetherington, Harry C.
Hoover, Fred W.
Jennings, Andrew B.
Joyce, Robert M., Jr.
Langkammerer, Carl M.
McQueen, David M.
Murray, Otis W.
Pedersen, Charles J., and Downing.
Plambeck, Louis, Jr.
Roedel, Milton J.
Sargent, Donald E.
Schneider, Allan K.
Searle, Norman E.
Tremaine, Breckinridge K.
Walker, Kenneth E.
Weinmayr, Viktor.
Whitman, Gerald M.
Woodward, David W.
Dusevoir, Julius, Dearborn, Mich., assignor to Consolidated Vultee Aircraft Corp., San Diego, Calif. Slidable vane pump. 2,462,732, Feb. 22.
Dyke, Milton, Los Angeles, Calif. Boxcar guard. 2,462,309, Feb. 22.
Dym, Joseph B.: *See*—
Kehoe, Joseph W., and Dym.
Earp, Charles W., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Oscillation generator. 2,462,078, Feb. 22.
Easley, Gilbert J., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,733, Feb. 22.
Eastman Kodak Company, assignee: *See*—
Caldwell, John R.
Caldwell, John R., and Hagemeyer.

Eaton Manufacturing Company, assignee: *See*—
Russell, Robert G.
Eby, Lawrence T., Roselle, and L. A. Mikeska, Westfield, N. J., assignors to Standard Oil Development Company. Lubricating oil containing an anti-oxidant. 2,462,616, Feb. 22.
Eckels, H. S., & Co., Incorporated, assignee: *See*—
Eckels, John H.
Eckels, John H., Merchantville, N. J., assignor to H. S. Eckels & Co., Incorporated, Philadelphia, Pa. Embalming apparatus. 2,462,617, Feb. 22.
Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Safety joint. 2,462,477, Feb. 22.
Edwards, Charles R., deceased, Houston, Tex.; F. R. Edwards, executrix. Reversing tool. 2,462,478, Feb. 22.
Edwards, Francis R., executrix: *See*—
Edwards, Charles R.
Ellerman, George E., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Water dispersible coating vehicle. 2,462,618, Feb. 22.
Eisenmith, William F., Penns Grove, N. J. Freight bracing device. 2,462,619, Feb. 22.
Elder, Esther R., Pasadena, assignor of forty per cent to W. R. Harriman, Hondo, ten per cent to E. A. Harrington, Pasadena, and ten per cent to M. E. Peachman, San Francisco, Calif. Apparatus for drying hair. 2,462,079, Feb. 22.
Electric & Musical Industries Limited, assignee: *See*—
Blumlein, Alan D., Connell, and Holloway.
Elleby, Eugene H., Atlanta, Ga. Rat or mouse trap. 2,462,479, Feb. 22.
Elvin, William J., Frostburg, Md., and E. R. Stahl, Meyersdale, Pa., assignors to Celanese Corporation of America. Winding device. 2,462,310, Feb. 22.
England, James M., Lebanon, Mo., assignor of one-third to D. E. Owen and E. A. Gill, Litchfield, Ill. Winding machine. 2,462,620, Feb. 22.
England, James M., Lebanon, Mo., assignor of one-third to D. E. Owen and E. A. Gill, Litchfield, Ill. Armature shaft winding cap. 2,462,621, Feb. 22.
Engle, Homer A., Los Angeles, Calif. Control apparatus for periodically energizing gaseous discharge devices. 2,462,371, Feb. 22.
Engstrom, Thor: *See*—
Guffey, Wayne W., Mihelic, Piper, and Engstrom.
Eppler, Arthur H., Milwaukee, Wis. Polishing method and apparatus. 2,462,480, Feb. 22.
Erb, George C., Forest Hills West, assignor to American Can Company, New York, N. Y. Apparatus for shaping containers. 2,462,080, Feb. 22.
Erbe, John R., and G. A. Caldwell, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator fed motor control system. 2,462,171, Feb. 22.
Erdmann, Richard C., Minneapolis, Minn. Collar and tie holder. 2,462,311, Feb. 22.
Erickson, Charles A., Dearborn, assignor, by mesne assignments, to F. L. Jacobs Co., Detroit, Mich. Pump. 2,462,372, Feb. 22.
Erikson, Erik O.: *See*—
Boestad, Gustav K. W., and Erikson.
Esarey, Raymond W., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor construction. 2,462,172, Feb. 22.
Estey, Maynard E., Canandaigua, assignor, by mesne assignments, to Estey Products Corporation, Geneva, N. Y. Sliding vane pump or motor. 2,462,481, Feb. 22.
Estey Products Corporation, assignee: *See*—
Estey, Maynard E.
Esval, Orland E.: *See*—
Halpert, Percy, Frische, Bird, and Esval.
Esval, Orland E., Huntington, N. Y., assignor to The Sperry Corporation. Servomotor system. 2,462,081, Feb. 22.
Evans, Clarence T., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electromagnet with plunger. 2,462,482, Feb. 22.
Excel Automatic Products, Inc., assignee: *See*—
Mills, John E.
Farrow, Frederick R., Jr., Audubon, N. J., assignor to Philco Corporation, Philadelphia, Pa. Mounting means for vacuum tubes. 2,462,622, Feb. 22.
Faure, Bernard, Neuilly-sur-Seine, France. Joining and registering device for molding boxes. 2,462,373, Feb. 22.
Faus, James, assignee: *See*—
Nye, William B.
Federal Telecommunication Laboratories, Inc., assignee: *See*—
Hollabaugh, Max G.
Feldmann, Henry J., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock mechanism. 2,462,827, Feb. 22.
Ferguson, Leslie L., East St. Louis, Ill., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Separation of an emulsion of petroleum oil and aqueous solution containing added alkali metal salts of cresols. 2,462,810, Feb. 22.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Fluid transmitting device. 2,462,734, Feb. 22.
Ferro Engineering Company, The, assignee: *See*—
Charman, Walter M., and Anthony.
Garms, Levi J.
Fields, Charles V., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. High-frequency capacitor. 2,462,173, Feb. 22.
Finlay, Walter L., Fairfield, and G. E. Hutchinson, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Shot shell. 2,462,312, Feb. 22.
Firth, Francis G., New York, assignor, by mesne assignments, to Philips Laboratories, Inc., Irvington on Hudson, N. Y. Stress analysis by X-ray diffraction. 2,462,374 Feb. 22.
Fisher, Bernard E., Detroit, Mich. Doorstop. 2,462,174, Feb. 22.
Flaherty, Bartholomew R., Shelton, assignor to Industrial Metal Products Laboratory, Ansonia, Conn. Article holder. 2,462,375, Feb. 22.
Flamm, Alexander L., Fairfield, Conn. Stapling device. 2,462,623, Feb. 22.
Fleisher, Harry, Watertown, Conn., and G. H. Tillett, assignors to Roto-Matic Screen Printer, Ltd., New York, N. Y. Squeegee supporting and guiding structure. 2,462,376, Feb. 22.
Fletcher, George H., Sheffield, England, assignor, by mesne assignments, to General Electric Company. Voltage regulating system. 2,462,624, Feb. 22.
Flinn, Van Q., Waynesburg, Ky. Modernistic spring metal folding chair. 2,462,877, Feb. 22.
Florman, Irving, New York, N. Y. Shaving machine. 2,462,625, Feb. 22.
Flory, Leslie E.: *See*—
Morton, George A., and Flory.
Flory, Paul J.: *See*—
Rebner, John, Jr., and Flory.
Folkers, Karl, Plainfield, assignor to Merck & Co., Inc., Rahway, N. J. Aryl azo sulfonic acid salts of streptothricin and streptomycin. 2,462,175, Feb. 22.
Fontaine, Julian F., Detroit, Mich. Tie clasp. 2,462,483, Feb. 22.
Forbes, Allan D.: *See*—
Hodnette, John K., and Forbes.
Forster, Joseph E., Oakland, Calif. Portable fire escape. 2,462,626, Feb. 22.
Foster, John, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Thermionic valve. 2,462,082, Feb. 22.
Foster, Warren D., Eustis, Fla. Film handling apparatus and magazine for use therewith. 2,462,083, Feb. 22.
Foulkes, Christopher H., assignor to Standard Telephones and Cables Limited, London, England. Mounting of filaments in vacuum tubes. 2,462,084, Feb. 22.
Fox, Filbert G., Doylestown, Pa. Nonskid tire chain. 2,462,378, Feb. 22.
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Skip hoist control. 2,462,484, Feb. 22.
Fram Corporation, assignee: *See*—
Gunn, Earl G.
Freeman, Ellis, Sarasota, Fla. Means for testing color vision. 2,462,485, Feb. 22.
Freeman, Walter K., Wakefield, assignor to Simplex Wire & Cable Co., Cambridge, Mass. Lead extrusion. 2,462,313, Feb. 22.
Frei, John, Jr., Chicago, Ill. Crucible holder and crucible. 2,462,259, Feb. 22.
Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Ultra high frequency oscillator. 2,462,085, Feb. 22.
Fremlin, John H., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device of the velocity modulation type. 2,462,087, Feb. 22.
Fremlin, John H., and S. G. Tomlin, London, England, assignors, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electron discharge device. 2,462,086, Feb. 22.
Freyn Engineering Company, assignee: *See*—
Fox, Gordon.
Friedman, Herbert, Arlington, Va. Measuring thickness of curved sections and apparatus therefor. 2,462,088, Feb. 22.
Frisbie, Marshall H., Hamden, assignor to The A. C. Gilbert Company, New Haven, Conn. Cabinet culinary appliance. 2,462,089, Feb. 22.
Frische, Carl A.: *See*—
Halpert, Percy, Frische, Bird, and Esval.
Fryar, William H., Litchfield, Ill. Hone for reconditioning cutters in pencil sharpeners. 2,462,176, Feb. 22.
Fuller Manufacturing Company, assignee: *See*—
Trail, Herbert H.
Fundaburk, Robert H.: *See*—
Gittings, Lewis D., and Fundaburk.
Fuqua, Clarence V., Vandalia, Ill. Tree-felling circular saw. 2,462,314, Feb. 22.
Gagne, Antoine F., Jr., Pompton Lakes, N. J., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition making machinery. 2,462,315, Feb. 22.
Gall, John F., Narberth, assignor to The Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purification of crude sulfur hexafluoride. 2,462,379, Feb. 22.

Galvin, Charles E., assignor, by decree of distribution and assignment, to R. M. Carey, Springfield, Ohio. Wool cutting machine and method. 2,462,090, Feb. 22.
Gant, Lee W., McKinney, Tex. Cotton picker. 2,462,177.
Green, Douglas H., London, England. Construction of structural members. 2,462,385, Feb. 22.
Green, Martin, assignor of one-half to C. Handler, Newark, N. J. Cloth lifter for cloth cutting machines. 2,462,317,

Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Seal for pipe-line fittings. 2,462,403, Feb. 22.
Hamer, Leland S., Long Beach, assignor of one-fourth to ... Angeles, Calif. Pipe fitting.
Hemphill, Ralph, assignee: *See*—
Delmonte, John.
Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,462,397, Feb. 22.

Galvin, Charles E., assignor, by decree of distribution and assignment, to E. M. Carey, Springfield, Ohio. Wool cutting machine and method. 2,462,080, Feb. 22.
Gant, Lee W., McKinney, Tex. Cotton picker. 2,462,177, Feb. 22.
Gans, Henry, West Englewood, N. J., assignor to The Personal Products Corporation. Tampon machine and making tampons. 2,462,178, Feb. 22.
Garand, John C., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Collapsible stock for firearms. 2,462,091, Feb. 22.
Garms, Levi J., Lakewood, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top blocking. 2,462,260, Feb. 22.
Garrett, Patrick H., Mount Hope, W. Va. Baptismal apparatus. 2,462,627, Feb. 22.
Gase, Franklin I., Cleveland, Ohio. Machine for marking the surface of a column of plastic materials. 2,462,628, Feb. 22.
Gautreau, Arthur G., Quincy, assignor to Andrews & Goodrich, Inc., Dorchester, Mass. Method and apparatus for drying web material. 2,462,350, Feb. 22.
Gazda, Antoine, Providence, R. I. Spring handle bar for motor cycles and the like. 2,462,351, Feb. 22.
Gebrandt, Gustav R., Evanston, Ill. Opposed piston engine. 2,462,092, Feb. 22.
Geigy, J. R., A.-G., assignee: *See*—
Keller, Ernst, and Zweidler.
General Electric Company, assignee: *See*—
Bohrer, George J.
Cook, Leonard W.
Fletcher, George H.
Haber, Charles P.
Hodge, William F.
Lange, Carl W.
Leighton, Leroy G.
Lord, Harold W.
McNairy, Jacob W.
Mills, Robert V., Clark, and Ruff.
Olcott, Eugene L.
Reinhardt, Bryson R.
Ruff, Harold R.
Schaefer, Vincent J.
Wilbur, Donald A.
General Mills, Inc., assignee: *See*—
Buechele, Andrew C.
Moe, Owen A.
Norris, Frank A.
General Motors Corporation, assignee: *See*—
Clark, Kendall, and Sisson.
Murphy, John M.
Schneider, Siebert.
Geophysical Service Incorporated, assignee: *See*—
Renner, Darwin S.
Gidley, Philip T., Fairhaven, Mass., assignor, by mesne assignments, to Standard Oil Development Company. Sunlight resistant composition. 2,462,629, Feb. 22.
Gilbert, A. C., Company, The, assignee: *See*—
Frisbie, Marshall H.
Gill, Edmond A., assignee: *See*—
England, James M.
Gille, Willis H., St. Paul, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Phase-sensitive self-balancing frequency meter. 2,462,630, Feb. 22.
Gittings, Lewis D., and R. H. Fundaburk, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Coating compositions. 2,462,631, Feb. 22.
Givoni, Gideon, Melbourne, Victoria, Australia. Appliance for stretching gloves or the like. 2,462,632, Feb. 22.
Gleason, Paul G., Van Nuys, Calif. Turnbuckle. 2,462,382, Feb. 22.
Glenfield & Kennedy Limited, assignee: *See*—
Boucher, Percival L.
Godsey, Frank W., Jr.: *See*—
Kilgore, Lee A., Godsey, Rose, and Powers.
Goldberg, Jacob M., Denver, Colo. Moving picture film reel. 2,462,261, Feb. 22.
Goldsborough, Shirley L., Basking Ridge, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective relaying system for polyphase circuits. 2,462,179, Feb. 22.
Goldsborough, Shirley L., Basking Ridge, and J. L. Blackburn, East Orange, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Selective-pole tripping system. 2,462,180, Feb. 22.
Goldwater, Bernard L., Brooklyn, N. Y. Photo identification for checks. 2,462,735, Feb. 22.
Goodloe, Alfred M., Montclair, assignor to Metal Textile Corporation, West Orange, N. J. Compressed wire mesh unit. 2,462,316, Feb. 22.
Goodrich, B. F., Company, The, assignee: *See*—
Hasselquist, Victor H.
Goodwin, Lester C., Hornell, N. Y. Trailer chimney. 2,462,383, Feb. 22.
Gorin, Manuel H., and W. Swerdloff, Dallas, Tex., assignors, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Recovery of products of hydrocarbon conversion reactions. 2,462,384, Feb. 22.
Great Western Sugar Company, The, assignee: *See*—
Roach, David J., Clark, and Rienks.
Green, Douglas H., London, England. Construction of structural members. 2,462,385, Feb. 22.
Green, Martin, assignor of one-half to C. Handler, Newark, N. J. Cloth lifter for cloth cutting machines. 2,462,317, Feb. 22.
Greenlee Bros. & Co., assignee: *See*—
Mansfield, Judson H.
Gregg, Albert E.: *See*—
Nicodemus, Carroll N., and Gregg.
Gregory, Clinton J., Hot Springs, S. Dak. Device for treating timber. 2,462,486, Feb. 22.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of N,N'-dimethylethanolamine. 2,462,736, Feb. 22.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric compounds from 1,3-dioxalane. 2,462,737, Feb. 22.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of organic oxygen-containing compounds. 2,462,738, Feb. 22.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Recovery of hydrogen fluoride-boron trifluoride catalysts. 2,462,739, Feb. 22.
Gribbins, Myers F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Animal feed. 2,462,633, Feb. 22.
Griffin Chemical Company, assignee: *See*—
Ruedrich, Paul M.
Griffin, Harry M., Webster Groves, Mo., assignor to Curtiss-Wright Corporation. Tool assembly. 2,462,386, Feb. 22.
Griffith, George, Ottawa, Ontario, Canada. Crankcase ventilator for motor vehicles. 2,462,634, Feb. 22.
Griffith, Ivor, Elkins Park, Pa., and A. P. Huchberger, New York, N. Y., assignors to The Frank H. Lee Company, Danbury, Conn. Apparatus for forming felt. 2,462,487, Feb. 22.
Grillo, Emily P., assignee: *See*—
Pontiere, Stanley M.
Grimes, Edgar S., Ridgewood, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Modulator. 2,462,093, Feb. 22.
Grosselfinger, Walter H., Manhasset, assignor to Western Electric Company, Incorporated, New York, N. Y. Radio transmitting system. 2,462,181, Feb. 22.
Grove, Donald J.: *See*—
Hipple, John A., Jr., and Grove.
Grover, James B., New York, N. Y. Electrical safety interlocking system. 2,462,094, Feb. 22.
Guerdan, Dikran A., Wilkinsburg, and J. E. Bluman, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor having coaxial counter-rotating shafts. 2,462,182, Feb. 22.
Guffey, Wayne W., and J. P. Mihelic, Gary, H. V. Piper, Crown Point, and T. Engstrom, Gary, Ind. Cover lifter. 2,462,387, Feb. 22.
Guilden, Ernest V.: *See*—
Desch, Joseph R., Guilden, and Mumma.
Gulf Research & Development Company, assignee: *See*—
Jacobson, Eugene W., Cressl, and Atkins.
Gunn, Earl G., Providence, R. I., assignor to Fram Corporation. Control plate for filter cartridges. 2,462,488, Feb. 22.
Gustafson, Eric, and H. L. Striegel, assignors to Binks Manufacturing Company, Chicago, Ill. Dual spray gun. 2,462,262, Feb. 22.
Haber, Charles P., Schenectady, N. Y., assignor to General Electric Company. Cyclic polymeric organoaminosilanes. 2,462,635, Feb. 22.
Hafner, Ludwig G. P.: *See*—
Quirk, Justin P., and Hafner.
Hagemeyer, Hugh J., Jr.: *See*—
Caldwell, John R., and Hagemeyer.
Hagen, Asbjorn, Kleisiming, Manitoba, Canada. Gasoline filter. 2,462,740, Feb. 22.
Hager, Glenn F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 1,4-dicyano-2-butene. 2,462,388, Feb. 22.
Halfco, Inc., assignee: *See*—
Spangenberg, Alfred L.
Hall, Elisha W., Scituate, Mass. Rotary abrading tool. 2,462,741, Feb. 22.
Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Multiple shielded assembly unit. 2,462,489, Feb. 22.
Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Shielded housing for ignition coils and filters. 2,462,490, Feb. 22.
Hallett, Elton C., assignor to Hallett Manufacturing Company, Inglewood, Calif. Ignition coil and filter shield assembly. 2,462,491, Feb. 22.
Hallett Manufacturing Company, assignee: *See*—
Hallett, Elton C.
Hallowell, Alban T., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aryl trichlorothio acetates in elastomer treatment. 2,462,742, Feb. 22.
Halpert, Percy, Kew Gardens, C. A. Frische, and J. L. Bird, Lake Success, and O. R. Esval, Huntington, N. Y., assignors to The Sperry Corporation. Rate circuits. 2,462,095, Feb. 22.
Hamel, Georges R., Paris, France. Multicylinder engine 2,462,492, Feb. 22.

Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Seal for pipe-line fittings. 2,462,493, Feb. 22.
Hamer, Leland S., Long Beach, assignor of one-fourth to P. A. Dewhirst, Los Angeles, Calif. Pipe fitting. 2,462,494, Feb. 22.
Hamilton, Harry S., United States Air Forces. Litter loading device. 2,462,006, Feb. 22.
Hammond Machinery Builders, Inc., assignee: *See*—
Sutton, Donald E.
Handel, Oscar C., Kansas City, Kans. Door-cupboard and tray. 2,462,743, Feb. 22.
Handler, Charles, assignee: *See*—
Green, Martin.
Hanford, Russell E.: *See*—
Light, George G., and Hanford.
Harbison-Walker Refractories Company, assignee: *See*—
Rochow, William F.
Harmon, Jesse, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing aqueous emulsions of polyethylenes. 2,462,390, Feb. 22.
Harmon, William S.: *See*—
Bassford, Henry H., Jr., Harmon, and Mahoney.
Harnischfeger Corporation, assignee: *See*—
Jacobs, Henry S.
Oesterlein, William J.
Harriman, William R., assignee: *See*—
Elder, Esther R.
Harrington, Esther A., assignee: *See*—
Elder, Esther R.
Harrington, George A., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of chloretone. 2,462,389, Feb. 22.
Harrison, William B., Jr., Richmond, Va. Dual action switch. 2,462,495, Feb. 22.
Hartanov, Andrew S.: *See*—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
Hartough, Howard D.: *See*—
Re ff, Orland M., and Hartough.
Hartough, Howard D., Pitman, N. J., A. I. Kosak, Columbus, Ohio, and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Treatment of aromatic hydrocarbons. 2,462,391, Feb. 22.
Harvel Corporation, The, assignee: *See*—
Harvey, Mortimer T.
Harvey, Herbert: *See*—
Thompson, Robert H., and Harvey.
Harvey, Leo M., assignee: *See*—
Thompson, Robert H., and Harvey.
Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Aldehyde-(phenol-phenol ether reaction products) reaction products and producing them. 2,462,636, Feb. 22.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Ratchet and pawl mechanism for hand brakes. 2,462,183, Feb. 22.
Haseltine, Stacy B., La Grange, assignor to Cook Electric Company, Chicago, Ill. Bomb band assembly. 2,462,744, Feb. 22.
Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for stretching elastic covers. 2,462,318, Feb. 22.
Hathaway, Clarence B., and R. F. Woll, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Quiet single-phase motor. 2,462,184, Feb. 22.
Hauser, Paul M., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Moistureproof, heat-sealable wrapping material and process. 2,462,185, Feb. 22.
Hautau, Charles F., Huntington Woods, assignor, by mesne assignments, to Appliance Development Company, Oak Park, Mich. Fluid pump. 2,462,392, Feb. 22.
Hawkins, Charles R., Los Angeles, Calif. Pressing iron rack. 2,462,319, Feb. 22.
Haydon, William H., Arlington, Va. Sharpening device. 2,462,637, Feb. 22.
Haynes, Harold E., Indianapolis, Ind., assignor to Radio Corporation of America. Reproduction of sound. 2,462,263, Feb. 22.
Haynes, Nathan M., New York, N. Y. Coil-winding machine. 2,462,393, Feb. 22.
Hazeltine Research, Inc., assignee: *See*—
Hirsch, Charles J.
Heiman, Sidney J., St. Louis, Mo. Dispensing mechanism. 2,462,394, Feb. 22.
Heiman, Sidney J., St. Louis, Mo. Concentric shell hot-air heater. 2,462,395, Feb. 22.
Hein, Carl C., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Rectifier. 2,462,186, Feb. 22.
Heinz, Winfield B., Round Brook, and A. E. Kittredge, Audubon, N. J., and J. G. Williams, Philadelphia, Pa.; said Williams assignor, by mesne assignments, to Turbo Engineering Corporation, and said Heinz and Kittredge assignors, by mesne assignments, to Penn Industrial Instrument Corporation. Control system. 2,462,097, Feb. 22.
Heinze Electric Company, assignee: *See*—
Watson, Thomas E.
Helixon, Mathilda A., Winthrop Harbor, Ill. Nursing bottle holder. 2,462,187, Feb. 22.
Heller, Richard D., Tujunga, Calif. Wire straightener. 2,462,396, Feb. 22.
Hemphill, Ralph, assignee: *See*—
Delmonte, John.
Hendricks, Cornelius, assignor to Applied Arts Corporation, Grand Rapids, Mich. Ash receiver. 2,462,397, Feb. 22.
Herbig, Henry F.: *See*—
Deakin, Gerald, and Herbig.
Herold, Edward W., Verona, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,462,496, Feb. 22.
Herrick, Roswell H., Oak Park, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio direction finder. 2,462,188, Feb. 22.
Hertrich, Joseph, assignor to The Western States Machine Company, Hamilton, Ohio. Continuous centrifugal machine. 2,462,098, Feb. 22.
Herwig, Robert S., North Arlington, assignor to Bendix Aviation Corporation, Teterboro, N. J. Brush. 2,462,055, Feb. 22.
Hess, Jack, Houston, Tex. Bale tie buckle. 2,462,264, Feb. 22.
Hess, Mattie P., Maywood, and A. E. Siahrs, assignors, by mesne assignments, to Krim-Ko Corporation, Chicago, Ill. Irish moss extract and its production. 2,462,398, Feb. 22.
Hess, Willis C., assignor to Trico Products Corporation, Buffalo, N. Y. Valve for windshield cleaners. 2,462,189, Feb 22.
Hetherington, Harry C., Charleston, W. Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Corrosion inhibiting process. 2,462,488, Feb. 22.
Heyman, Albert A., assignor to Maryland Baking Company, Inc., Baltimore, Md. Ice-cream cup. 2,462,497, Feb. 22.
Hickman, Clarence N., Jackson Heights, N. Y., assignor to the United States of America as represented by the Secretary of War. Rocket projectile. 2,462,099, Feb. 22.
Himoff, Morris G., and S. L. Casella, assignors to Morey Machinery Co., Inc., New York, N. Y. Cross slides and control mechanism therefor. 2,462,498, Feb. 22.
Hinchman, William H. D., Detroit, Mich. Conduit spacer. 2,462,399, Feb. 22.
Hipple, John A., Jr., Verona, and D. J. Grove, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Amplifier for small direct currents. 2,462,190, Feb. 22.
Hirchak, John, assignee: *See*—
Abeling, Raymond O.
Hirsch, Charles J., Douglaston, N. Y., assignor, by mesne assignments, to Hazeltine Research, Inc., Chicago, Ill. Frequency divider. 2,462,265, Feb. 22.
Hoak, Richard D., Mount Lebanon Township, Allegheny County, assignor to Mellon Institute of Industrial Research, Pittsburgh, Pa. Recovering manganese values from manganese ores. 2,462,499, Feb. 22.
Hodge, William F., Lyndhurst, Ohio, assignor to General Electric Company. Starting and operating circuit for electric discharge devices. 2,462,320, Feb. 22.
Hodnette, John K., and A. D. Forbes, Sharon, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Winding coils. 2,462,191, Feb. 22.
Hoffer, James P., Detroit, assignor to Superdraulic Corporation, Dearborn, Mich. Compensator control for pumps. 2,462,500, Feb. 22.
Hohwart, Ernest F.: *See*—
Hohwart, George and E. F.
Hohwart, George and E. F., Detroit, assignors to N. A. Woodworth Company, Ferndale, Mich. Diaphragm chuck. 2,462,501, Feb. 22.
Hollabaugh, Max G., Jackson Heights, assignor to Federal Telecommunication Laboratories, Inc., New York, N. Y. Demodulator system for time modulated pulses. 2,462,100, Feb. 22.
Holloway, Dennis G.: *See*—
Blumlein, Alan D., Connell, and Holloway.
Holmes, John E., Auburndale, assignor to C. W. Carlson, Atlantic, Mass. Rack. 2,462,321, Feb. 22.
Homkes, Bartell J.: *See*—
Van Vliet, Paul D., and Homkes.
Hoover, Fred W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of dihydrodicyclopentadienyl methacrylate with esters of methacrylic acid. 2,462,400, Feb. 22.
Horgen, Helge B., Lyon, France, assignor of nine-tenths to R. P. Pescara, Lisbon, Portugal, and one-tenth to Societe d' Etudes et de Participations, Eau, Gas, Electricite, Energie S. A., Geneva, Switzerland. Free piston machine provided with pneumatic starting means. 2,462,745, Feb. 22.
Horton, Erwin C., Hamburg, and E. V. Schaal, East Aurora, assignors to Trico Products Corporation, Buffalo, N. Y. Motor shaft. 2,462,192, Feb. 22.
Horton, George T., Chicago, Ill., assignor to Chicago Bridge & Iron Company. Elevated tank. 2,462,101, Feb. 22.
Horton Manufacturing Company, The, assignee: *See*—
Lagerblade, Herbert C., and Root.
Horwitz, Adolf L., assignor to Olefira Limited, London, England. Assembly device for spelling blocks. 2,462,502, Feb. 22.
Houghton, Leslie W.: *See*—
Chatterjea, Prafulla K., and Houghton.

Howard, George H., Long Beach, Calif. Static wheel balancing apparatus. 2,462,266, Feb. 22.
Hubbard, Merle R., Cedar Rapids, Iowa, assignor to Collins Radio Company. High-frequency resonator. 2,462,267, Feb. 22.
Hudson, Ralph G., Los Angeles, Calif. Method of and apparatus for producing a composite image. 2,462,268, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,322, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,323, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,324, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,325, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,326, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,327, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,328, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,329, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,330, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,331, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,332, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,333, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,334, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,335, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,336, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,337, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,338, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,339, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,340, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,341, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,342, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,343, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,344, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,345, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,346, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,347, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,348, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,349, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,350, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,351, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,352, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,353, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,354, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,355, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,356, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,357, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,358, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,359, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,360, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,361, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,362, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,363, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,364, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,365, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,366, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,367, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,368, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,369, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,370, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,371, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,372, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,373, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,374, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,375, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,376, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,377, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,378, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,379, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,380, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,381, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,382, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,383, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,384, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,385, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,386, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,387, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,388, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,389, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,390, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,391, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,392, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,393, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,394, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,395, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,396, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,397, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,398, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,399, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,400, Feb. 22.
Hughes, Howard R., Houston, Tex. Method of and apparatus for drilling wells. 2,462,401, Feb. 22.
Johnson, Elvira, Martinez, Calif. Knitting. 2,462,401, Feb. 22.
Johnson, George T., Chicago, Ill. Light condenser for picture projection units. 2,462,749, Feb. 22.

Konen, James C., and B. W. Schroeder, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company. Protein water paint vehicles having increased wet abrasion resistance. 2,462,811, Feb. 22.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Induction motor rotor. 2,462,516, Feb. 22.
Leverens, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Manufacture of

Howard, George H., Long Beach, Calif. Static wheel balancing apparatus. 2,462,266, Feb. 22.
Hubbard, Merle E., Cedar Rapids, Iowa, assignor to Collins Radio Company. High-frequency resonator. 2,462,639, Feb. 22.
Huber, Louis C., assignee: *See*—
Richeson, Sanford E., and Allegro.
Huechberger, Alfred P.: *See*—
Griffith, Ivor, and Huechberger.
Huge, Henry M., Lorain, Ohio, assignor to Lorain Products Corporation. Frequency reducer. 2,462,322, Feb. 22.
Hulsberg, William E., Hinsdale, assignor to Universal Oil Products Company, Chicago, Ill. Catalyst regenerator and recovery apparatus. 2,462,195, Feb. 22.
Hurst, Peter F., Horton, assignor, by mesne assignments, to Aeroquip Corporation, Jackson, Mich. Detachable hose fitting. 2,462,328, Feb. 22.
Hutchinson, Gilbert E.: *See*—
Finlay, Walter L., and Hutchinson.
Hutchinson, Willis S., St. Paul, Minn., assignor to Mathieson Chemical Corporation. Simultaneous production of chlorine dioxide and nitrogen trichloride. 2,462,194, Feb. 22.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Organo-siloxane polymers and preparing them. 2,462,267, Feb. 22.
Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Making methyl siloxanes. 2,462,640, Feb. 22.
Hyland, William A., Horicon, Wis., assignor to John Deere Van Brunt Company. Field cultivator. 2,462,641, Feb. 22.
Industrial Metal Products Laboratory, assignee: *See*—
Flaherty, Bartholomew R.
Inman, Hollis C., Miami, Fla. Electric fluid heater. 2,462,746, Feb. 22.
Interchemical Corporation, assignee: *See*—
Neuberg, Carl, and Lustig.
International Smelting and Refining Company, assignee: *See*—
Shropshire, William W.
International Standard Electric Corporation, assignee: *See*—
Abler, Jean, and Sels.
Arditi, Maurice.
Bartlett, Paul.
Beatty, William A.
Bray, Frederick H., and Newton.
Chatterjea, Prafulla K., Ambrose, and Beney.
Chatterjea, Prafulla K., and Houghton.
Chatterjea, Prafulla K., and Powers.
Deakin, Gerald, and Herbig.
Earp, Charles W.
Foster, John.
Fremlin, John H.
Fremlin, John H., and Tomlin.
Kramm, Walter.
Levy, Maurice M.
Oakes, Lesley F.
Pheasey, John R., and Andrews.
Scully, Charles T.
Theillaumas, Clement M.
Ward, George L.
Webb, John K.
Istvan, Edwin J., Cleveland, Ohio. Modulated reflecting-resonant target. 2,462,102, Feb. 22.
Jacobs, F. L., Co., assignee: *See*—
Burdick, Emory F.
Erickson, Charles A.
Jacobs, Henry S., assignor to Harnischfeger Corporation, Milwaukee, Wis. Winch control. 2,462,747, Feb. 22.
Jacobson, Eugene W., Oakmont, H. O. Creassi, Penn Township, Allegheny County, and J. E. Aikins, assignors to Gulf Research & Development Company, Pittsburgh, Pa. Apparatus for filling containers of pressure fluids. 2,462,642, Feb. 22.
Jacobson, Ilamae W., assignor to Kickernick, Inc., Minneapolis, Minn. Maternity panty garment. 2,462,195, Feb. 22.
Jacobson, Ralph A.: *See*—
Brubaker, Merlin M., and Jacobson.
Jaeger Machine Company, The, assignee: *See*—
Van Voorhis, William G.
Jantzen Knitting Mills, assignee: *See*—
Wittenberg, Margaret H.
Jennings, Andrew B., New Brunswick, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic plural emulsion layer stripping film. 2,462,503, Feb. 22.
Jerabek, Robert D.: *See*—
Schulman, Earl L., and Jerabek.
Jernstedt, George W., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Protective phosphate coatings for metal surfaces. 2,462,196, Feb. 22.
Jernstedt, George W., Belleville, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Etching method. 2,462,197, Feb. 22.
Jet-Heet, Inc., assignee: *See*—
MacCracken, Calvin D.
Jirsa, Emil F.: *See*—
Worthington, Wayne H., and Jirsa.
Johnson, Elvira, Martines, Calif. Knitting. 2,462,401, Feb. 22.
Johnson, George T., Chicago, Ill. Light condenser for picture projection units. 2,462,749, Feb. 22.
Johnson, John, Grand Forks, N. Dak. Pipe plug. 2,462,748, Feb. 22.
Johnson, Philip H., and L. W. Tripp, Hounslow, assignors to Roadless Traction Limited, Hounslow, Middlesex, England. Endless track for vehicles. 2,462,643, Feb. 22.
Johnson, Robert, Verona, assignor to Koppers Company, Inc., Pittsburgh, Pa. Preparation of alpha-ketodihydronaphthalene. 2,462,103, Feb. 22.
Johnson, Roger C., Moline, Ill. Thermostatic valve. 2,462,198, Feb. 22.
Jones, Lester L.: *See*—
Mikulas, William, and Jones.
Joyce, Robert M., Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Fluorinated hydrocarbons. 2,462,402, Feb. 22.
Julluson, Charles A., Fort Worth, Tex. Shoe with resilient closure means. 2,462,324, Feb. 22.
Jungst, Homer V., deceased, Seattle, Wash.; M. J. Jungst, executrix. Camber adjusting tool. 2,462,403, Feb. 22.
Jungst, Mary J., executrix: *See*—
Jungst, Homer V.
Kahl, Joseph, New York, N. Y. Locking means for a hinged impack mass or weight for marine equipment. 2,462,268, Feb. 22.
Kahres, George B. and M. H., Lansing, Mich. Tractor trailer. 2,462,404, Feb. 22.
Kahres, Martin H.: *See*—
Kahres, George B. and M. H.
Kalart Company, Inc., The, assignee: *See*—
Schwartz, Morris, and Castedello.
Karmer Trenton Company, assignee: *See*—
Kramer, Nathan.
Kase, Samuel M., Philadelphia, Pa. Pipe clamp. 2,462,504, Feb. 22.
Kay, Lorens E.: *See*—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
Kearney, James R., Corporation, assignee: *See*—
Rathert, Gustav W.
Rees, Ned J.
Kehoe, Joseph W., Wilkinsburg, and J. B. Dym, Pittsburgh, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding using partially sheared out projections. 2,462,199, Feb. 22.
Keller, Ernst, and R. Zweidler, assignors to J. R. Geigy A.-G., Basel, Switzerland. Stilbene bis triazole azo dyestuffs. 2,462,406, Feb. 22.
Kennedy, Horace J., Hartford, Conn., assignor to Colt's Manufacturing Company. Full automatic pistol. 2,462,505, Feb. 22.
Kickernick, Inc., assignee: *See*—
Jacobson, Ilamae W.
Kilgore, Lee A., Forest Hills, F. W. Godsey, Jr., Wilkinsburg, B. A. Rose, Forest Hills, and F. B. Powers, Pittsburgh 16, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electrical airplane propulsion. 2,462,201, Feb. 22.
Kimura, Tsuchinojo, Mountain View, Calif., assignor of fifteen per cent to B. Ver Ploeg, Oskaloosa, Iowa. Mortar spreader. 2,462,644, Feb. 22.
King, Paul B., Jr.: *See*—
Drake, Frederick H., and King.
Kittredge, Arthur E.: *See*—
Heins, Winfield B., Kittredge, and Williams.
Kleimack, Joseph H.: *See*—
Christensen, Howard, and Kleimack.
Klein, Clarence J., Hollidays Cove, W. Va., assignor to National Steel Corporation. Anode bar jack. 2,462,506, Feb. 22.
Klein, Irving, New York, N. Y. Ornamental lampstand with bell. 2,462,750, Feb. 22.
Kleinhols, Milton P., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Making alpha, alpha'-thiodialiphatic acids. 2,462,200, Feb. 22.
Klyver, Soren M., Los Angeles, Calif. Game device. 2,462,507, Feb. 22.
Knelbler, Arthur R., assignor to Cooper's, Incorporated, Kenosha, Wis. Undergarment. 2,462,508, Feb. 22.
Knerr, Carl J.: *See*—
Pfender, Clifford D., Schultze, and Knerr.
Kniveton, James, Wyncote, Pa., assignor to Selas Corporation of America. Heat treating. 2,462,202, Feb. 22.
Knowland, Thomas M., Belmont, assignor to Boston Woven Hose and Rubber Company, Cambridge, Mass. Treating rubber scraps. 2,462,645, Feb. 22.
Knox, William H., Jr., R. T. Cochran, and W. R. Crudup, Nashville, Tenn., and W. S. Miller, Lake Charles, La., assignors to Victor Chemical Works. Manufacture of crystalline anhydrous monocalcium phosphate. 2,462,104, Feb. 22.
Kobbe, Joseph H., Savanna, Ill. Cranking jack for Diesel engines. 2,462,509, Feb. 22.
Kobey, Silas M., assignor to Potato Chip Equipment Corporation, Denver, Colo. Rotary potato slicer. 2,462,105, Feb. 22.
Koehler, Glenn, Madison, Wis. Speed control for induction motors. 2,462,751, Feb. 22.
Koehler, Gustave J., Los Angeles, Calif. Fluid valve. 2,462,646, Feb. 22.

Konen, James C., and B. W. Schroeder, Minneapolis, Minn., assignors to Archer-Daniels-Midland Company. Protein water paint vehicles having increased wet abrasion resistance. 2,462,811, Feb. 22.
Koppers Company, Inc., assignee: *See*—
Johnson, Robert.
Korman, Nathaniel I., Camden, N. J., assignor to Radio Corporation of America. Electron discharge device and associated circuit. 2,462,510, Feb. 22.
Kosak, Alvin I.: *See*—
Hartough, Howard D., Kosak, and Reid.
Koster, John R.: *See*—
Webb, Paul S., and Koster.
Kotches, Frank A., Princeton, N. J., and W. D. Tipton, Stoneleigh, Md., said Kotches assignor to W. D. Tipton, as trustee; E. B. Tipton, executrix of said W. D. Tipton, deceased. Showerhead. 2,462,752, Feb. 22.
Kovalsky, Joseph F., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Speed regulating system. 2,462,203, Feb. 22.
Kosa, Charles A., Pittsburgh, Pa. Angle drill. 2,462,647, Feb. 22.
Kram, Walter, London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric transformer. 2,462,106, Feb. 22.
Kramer, Nathan, assignor to Kramer Trenton Company, Trenton, N. J. Producing condensers or the like for heat exchange apparatus. 2,462,511, Feb. 22.
Krempel, Alvin W., Milwaukee, Wis. Convertible cushion. 2,462,269, Feb. 22.
Kresky Mfg. Co., Inc., assignee: *See*—
Miller, Clarence A.
Krim-Ko Corporation, assignee: *See*—
Hess, Mattie P., and Siehrs.
Kritchevsky, Theodore, assignor to Ninol Development Co., Chicago, Ill. Preparation of diacetyl. 2,462,107, Feb. 22.
Krone, Howard C., River Edge, and W. Meyer, East Orange, assignors to Wheaton Brass Works, Newark, N. J. Valved coupling for fluid conducting lines. 2,462,512, Feb. 22.
Kucklinsky, Walter H., Paramus, N. J. Box folding machine and method. 2,462,513, Feb. 22.
Kuppin, Herbert, Piqua, Ohio. Hobbyhorse. 2,462,648, Feb. 22.
Kyle, William D., Jr., Milwaukee, and A. Van Ryan, South Milwaukee, Wis., assignors to Line Material Company. Circuit breaker. 2,462,753, Feb. 22.
Lagerblade, Herbert C., and D. J. Root, assignors to The Horton Manufacturing Company, Bristol, Conn. Golf club. 2,462,754, Feb. 22.
Lancaster Processes, Inc., assignee: *See*—
Robinson, Thomas.
Lane-Wells Company, assignee: *See*—
Smith, Arthur L.
Lange, Carl W., Erie, Pa., assignor to General Electric Company. Cooling arrangement for dynamoelectric machines. 2,462,649, Feb. 22.
Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Salts of adiponitrile sulfonic acid. 2,462,408, Feb. 22.
Langkammerer, Carl M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reaction products of 3-hexenedinitrile and certain aldehydes. 2,462,407, Feb. 22.
La Piana, Fred G., Providence, R. I., assignor to Stein, Hall Company, Inc., New York, N. Y. Warp sizing material. 2,462,108, Feb. 22.
Larkin, David, Kirkwood, assignor to Broderick & Bascom Rope Company, St. Louis, Mo. Reel. 2,462,408, Feb. 22.
Larson, Arthur G., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Multiple engine output equalising apparatus. 2,462,650, Feb. 22.
Lassen, Elvind U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for electric motor-driven traveling devices. 2,462,755, Feb. 22.
Lebertre, Maurice: *See*—
Mozzanini, Georges G., and Lebertre.
Lee, Frank H., Company, The, assignee: *See*—
Griffith, Ivor, and Huchberger.
Lee, Robert J.: *See*—
Wadsworth, Francis T., and Lee.
Lee, Robert J., La Marque, Tex., assignor to Pan American Refining Corporation, New York, N. Y. Alkylation and catalyst recovery. 2,462,793, Feb. 22.
Leeds, Winthrop M.: *See*—
Baker, Benjamin P., and Leeds.
Lehane, Timothy J., and E. H. Burgess, Chicago, Ill., assignors, by mesne assignments, to Vapor Heating Corporation. Apparatus for the control of cooling systems. 2,462,514, Feb. 22.
Leichton, Leroy G., Cleveland, Ohio, assignor to General Electric Company. Filament connection for electric incandescent lamps. 2,462,325, Feb. 22.
Leopold, John N., Staten Island, N. Y. Shield for electric wall sockets. 2,462,756, Feb. 22.
Lerch, Brooke W., Baltimore, Md., assignor to Western Electric Company, Incorporated. New York, N. Y. Method of and apparatus for braiding. 2,462,515, Feb. 22.
Le Tourneau, R. G., Inc., assignee: *See*—
Le Tourneau, Robert G.
Le Tourneau, Robert G., Longview, Tex., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Induction motor rotor. 2,462,516, Feb. 22.
Leverens, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Manufacture of luminescent materials. 2,462,517, Feb. 22.
Levin, Claude C., Jacksonville, Fla. Shirt and trouser holder. 2,462,409, Feb. 22.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Synchronised pulse generator. 2,462,109, Feb. 22.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Demodulation of time-modulated electrical pulses. 2,462,110, Feb. 22.
Levy, Maurice M., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Multichannel pulse distributor system. 2,462,111, Feb. 22.
Light, George G., Alexandria, Va., and R. E. Hanford, Forest Hills, assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 2,462,112, Feb. 22.
Lindenblad, Nils E., Rocky Point, N. Y., assignor to Radio Corporation of America. Folded transmission line. 2,462,410, Feb. 22.
Lindler, George B., assignee: *See*—
Burum, Fisher C.
Line Material Company, assignee: *See*—
Kyle, William D., Jr., and Van Ryan.
Trognor, Arthur M.
Lipson, Leonard B., Arlington County, Va. Method and apparatus for physicochemical analysis. 2,462,270, Feb. 22.
Lipson, Samuel, H. Rothenthal, and H. Markus, Philadelphia, Pa. Wax injection apparatus. 2,462,113, Feb. 22.
Liquid Carbonic Corporation, assignee: *See*—
Van Vliet, Paul D., and Homkes.
Little, Charles Henry, Cleveland Heights, and Charles Hubbard Little, Cleveland, Ohio. Drafting machine. 2,462,271, Feb. 22.
Little, Charles Hubbard: *See*—
Little, Charles Henry and Charles Hubbard.
Lochhead, John L., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Sear release mechanism. 2,462,114, Feb. 22.
Lockwood, William H.: *See*—
Detrick, Stanley R., Lockwood, and Whitman.
Lorain Products Corporation, assignee: *See*—
Huge, Henry M.
Lord, Harold W., Schenectady, N. Y., assignor to General Electric Company. Electric induction apparatus. 2,462,651, Feb. 22.
Los Angeles Paper Box Factory, assignee: *See*—
Adams, Floyd W.
Loyce, Julius, South Amboy, N. J. Combined mixer and cooler for drinks. 2,462,757, Feb. 22.
Ludwig, Leon R., Buffalo, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electric motor with bore-centered bearings. 2,462,204, Feb. 22.
Luecke, Harry F., Herndon, Va. Freezing cabinet with refrigerating removable unit. 2,462,115, Feb. 22.
Lustig, Hilda: *See*—
Neuberg, Carl, and Lustig.
Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. L. M. Merrill, Westfield, N. J., and P. H. Batten, Racine, Wis., as trustees. Rotary converter-coupling hydraulic power transmission. 2,462,652, Feb. 22.
MacCracken, Calvin D., New Rochelle, assignor to Jet-Heet, Inc., New York, N. Y. Air compressor. 2,462,518, Feb. 22.
Machlett Laboratories, Incorporated, assignee: *See*—
Machlett, Raymond R., and Steen.
Machlett, Raymond R., New Canaan, and G. W. Steen, Stamford, assignors to Machlett Laboratories, Incorporated, Springdale, Conn. Making metal-glass seals. 2,462,205, Feb. 22.
MacLachlan, Angus, New York, N. Y. Leak testing fixture for valves. 2,462,116, Feb. 22.
Magee, Alan W., Ellwood City, Pa. Key case. 2,462,206, Feb. 22.
Mahoney, John F.: *See*—
Bassford, Henry H., Jr., Harmon, and Mahoney.
Malle, Carrie A., Tulsa, Okla. Apple and pear corer. 2,462,411, Feb. 22.
Malkemus, John D., Allendale, assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Synthetic detergent compositions. 2,462,758, Feb. 22.
Manoog, John C., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms. 2,462,326, Feb. 22.
Mansfield, Judson H., assignor to Greenlee Bros. & Co., Rockford, Ill. Shaping attachment for tenoning machines. 2,462,653, Feb. 22.
Mansfield, Warren M., Glendale, assignor to Sta-Neet Corporation, Los Angeles, Calif. Hair cutting comb. 2,462,519, Feb. 22.
Marbach, William, Chicago, Ill. Roller window screen. 2,462,520, Feb. 22.
Marble, Jarvis C., assignee, trustee, et al.: *See*—
Boestad, Gustav K. W., and Eriksson.
Lysholm, Alf.

Marchant Calculating Machine Company, assignee: *See*—
Studley, Clarence K., Jr.
Mikeska, Louis A.: *See*—
Eby, Lawrence T., and Mikeska.

Muter, Arthur J., London, England. Parallel jaw pliers. 2,462,536, Feb. 22.
O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Navigation system. 2,462,764, Feb. 22.

Marchant Calculating Machine Company, assignee: *See*—
Studley, Clarence K., Jr.

Marey Machinery Co. Inc., assignee: *See*—
Casella, Secondo L.

Markus, Harold: *See*—
Lipson, Samuel, Rothenthal, and Markus.

Marriott, Roscoe H., Bingham Canyon, Utah. Spring oscillating chair. 2,462,521, Feb. 22.

Martin Elevator Company, assignee: *See*—
Schoenbaum, Joseph R.

Martin, George W., Eau Claire, Wis. Steering stabiliser. 2,462,272, Feb. 22.

Martin, Glen L., Company, The, assignee: *See*—
Wilkinson, Walter G.

Martin, James, Ferndale, assignor to Michigan Tool Company, Detroit, Mich. Grinding machine. 2,462,522, Feb. 22.

Martin, William, Jr., assignee: *See*—
Schoenbaum, Joseph R.

Maryland Baking Company, Inc., assignee: *See*—
Heyman, Albert A.

Mason, Thomas H., Peoria, Ill. Safety hasp keeper. 2,462,523, Feb. 22.

Matheson, Lorne A.: *See*—
Boyer, Raymond F., Matheson, and Reinhardt.

Matheson, Lorne A., and R. F. Boyer, assignor to The Dow Chemical Company, Midland, Mich. Vinylidene chloride compositions stable to light. 2,462,412, Feb. 22.

Mathieson Chemical Corporation, assignee: *See*—
Hutchinson, Willis S.

Mattedi, Minnie, Denver, Colo. Bedstead. 2,462,524, Feb. 22.

Matthews, W. N., Corporation, assignee: *See*—
Mosley, Carl E.

McBee, Karl T., La Fayette, and L. D. Bechtol, Indianapolis, assignors to Purdue Research Foundation, West Lafayette, Ind. Trifluoromethylhexachlorocyclohexane. 2,462,854, Feb. 22.

McCauley, Roy B., Chicago Heights, Ill. Hard alloys. 2,462,056, Feb. 22.

McClelland, Donald C.: *See*—
Riley, Melvin A., and McClelland.

McCormick, Guy, Jr., Newport News, Va. Window shade bracket. 2,462,526, Feb. 22.

McCown, William E.: *See*—
Young, John E., and McCown.

McCoy, Claudius T., Narberth, assignor to Philco Corporation, Philadelphia, Pa. Apparatus for receiving frequency-modulated waves. 2,462,759, Feb. 22.

McCue, Walter G.: *See*—
Brier, Ernest J., and McCue.

McHenry, Loren C., Rivermines, Mo. Speed indicating device. 2,462,655, Feb. 22.

McKenzie, Maxwell G., executor: *See*—
Nightingall, Victor C. J.

McLaughlin, Therese B., Bronx, N. Y. Garment. 2,462,414, Feb. 22.

McLendon, Alphonso D., Palo Alto, Calif. Curb line indicator for automobiles. 2,462,606, Feb. 22.

McNair, Samuel H., Philadelphia, Pa. Pool game table. 2,462,526, Feb. 22.

McNairy, Jacob W., Bridgeport, Conn., assignor to General Electric Company. Clutch and brake mechanism. 2,462,657, Feb. 22.

McQueen, David M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic antihalation elements. 2,462,527, Feb. 22.

Meath, William B., Syracuse, N. Y., assignor to Allied Chemical & Dye Corporation. Production of formaldehyde. 2,462,413, Feb. 22.

Mellon Institute of Industrial Research, assignee: *See*—
Hoak, Richard D.

Meneses y Compania, assignee: *See*—
Castellanos, Gonzalo M.

Merck & Co., Inc., assignee: *See*—
Bassford, Henry H., Jr., Harmon, and Mahoney.
Folkers, Karl.
Sarett, Lewis H.

Merrill, Leslie M.: *See*—
Lyaholm, Alf.

Merrill, Leslie M., assignee, trustee, et al.: *See*—
Boestad, Gustav K., and Eriksson.

Mershon, Clarence L., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Temperature regulating system. 2,462,207, Feb. 22.

Metal Textile Corporation, assignee: *See*—
Goodloe, Alfred M.

Metcalf, Earl H., Ridgefield Park, N. J. Coryholder. 2,462,273, Feb. 22.

Meyer, Frieda H., assignee: *See*—
Meyer, William F.

Meyer, Walter, assignor to M. T. Cole, Chicago, Ill., doing business as M. T. Cole Co. Finger cot. 2,462,208, Feb. 22.

Meyer, William: *See*—
Krone, Howard C., and Meyer.

Meyer, William F., assignor to F. H. Meyer, Chicago, Ill. Folding clothesbasket carrier. 2,462,274, Feb. 22.

Michigan Tool Company, assignee: *See*—
Martin, James.

Mihelic, John P.: *See*—
Guffey, Wayne W., Mihelic, Piper, and Engstrom.

Mikuska, Louis A.: *See*—
Eby, Lawrence T., and Mikuska.

Mikkelson, Ward C., and J. Anthes, U. S. Army. Selsyn transmission by radio. 2,462,117, Feb. 22.

Mikulas, William, West Brighton, Staten Island, N. Y., and L. L. Jones, Oradell, assignors to Cosmar Products Corporation, Newark, N. J. Automatic lock slider for slide fasteners. 2,462,528, Feb. 22.

Miller, Clarence A., assignor to Kresky Mfg. Co., Inc., Petaluma, Calif. Horizontal oil burner of the tray type. 2,462,529, Feb. 22.

Miller, Joseph B., assignor of fifty per cent to K. G. Miller, Natches, Miss. Light bulb stem and socket. 2,462,530, Feb. 22.

Miller, Katherine G., assignee: *See*—
Miller, Joseph B.

Miller, Warren S.: *See*—
Knox, William H., Jr., Cochran, Crudup, and Miller.

Mills, John E., East Orange, assignor to Excel Automatic Products, Inc., Newark, N. J. Automatic drill press. 2,462,327, Feb. 22.

Mills, Robert V., M. G. Clarke, and H. R. Ruff, Rugby, England, assignors to General Electric Company. Starting and operating circuits for electric discharge devices. 2,462,328, Feb. 22.

Miner, W. H., Inc., assignee: *See*—
Dath, George E.
Haseltine, Stacy B.

Minkler, Chester T., Newport, R. I. Torpedo exploding mechanism. 2,462,118, Feb. 22.

Minneapolis-Honeywell Regulator Company, assignee: *See*—
Gille, Willis H.
Smith, Edgar M.

Minshall, Burton, Brattleboro, Vt. Musical vibration translating unit. 2,462,531, Feb. 22.

Minter, Herbert F., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resins and conductors insulated therewith. 2,462,209, Feb. 22.

Mishawaka Rubber & Woolen Manufacturing Company, assignee: *See*—
Van Dinter, George L., and Austin.

Mitchell, Harold S., Chicago, L. E. Kay, Worth, and A. S. Hartanov, and J. M. Ramsbotton, assignors to Swift & Company, Chicago, Ill. Protective coatings for fresh frozen meats. 2,462,760, Feb. 22.

Moe, Owen A., Minneapolis, Minn., assignor to General Mills, Inc. Starch esters. 2,462,210, Feb. 22.

Moffett, Eugene W., Milwaukee, Wis., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Composition comprising an amide-aldehyde resin and as a plasticizer a polyester of a dihydric ether of propylene glycol and a dicarboxylic acid. 2,462,658, Feb. 22.

Mojonnier, Harry G., Oak Park, Ill. Evaporator having refrigerant recirculation means. 2,462,329, Feb. 22.

Molotzak, George C., Coaldale, Pa. Hermetically sealed, self-lubricating slide bearing. 2,462,659, Feb. 22.

Momberg, James M., Somerville, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Inductor alternator. 2,462,761, Feb. 22.

Monsanto Chemical Company, assignee: *See*—
Throdahl, Monte C.

Moore, Clyde L., Cleveland, Ohio. Tractor fifth-wheel safety lock. 2,462,211, Feb. 22.

Moore, Cyril A., Springfield, Mass., assignor to the United States of America as represented by the Secretary of War. Gas regulating device for firearms. 2,462,119, Feb. 22.

Moore, James C., Wichita, Kans. Battery cable clamp. 2,462,660, Feb. 22.

Morey Machinery Co., Inc., assignee: *See*—
Himoff, Morris G., and Casella.

Morris, Frank A., Rochester, N. Y., assignor to Stromberg-Carlson Company. Sound system which compensates for variable noise levels. 2,462,532, Feb. 22.

Morton, George A., Haddon Heights, and L. E. Flory, Oaklyn, N. J., assignors to Radio Corporation of America. Electronic computer. 2,462,275, Feb. 22.

Mosley, Carl E., Overland, assignor to W. N. Matthews Corporation, St. Louis, Mo. Protective switch. 2,462,212, Feb. 22.

Moynihan, John J., Boston, Mass., assignor of one-half to J. B. Brennan, Bratenahl, Ohio. Electric thrust device. 2,462,533, Feb. 22.

Mozzanini, Georges G., La Garenne Colombes, and M. Lebertre, Neuilly-sur-Seine, France. Speed controlling means for direct current motors. 2,462,120, Feb. 22.

Mueller, John A., Milwaukee, Wis. Seeder conveyer. 2,462,276, Feb. 22.

Mueller, Otto N., Sheffield, Ala., assignor to Reynolds Metals Company, Richmond, Va. Demountable shelving. 2,462,330, Feb. 22.

Muhlack, George, Philadelphia, Pa. Jig for forming mitered pipe joints. 2,462,121, Feb. 22.

Mumma, Robert E.: *See*—
Desch, Joseph R., Guiden, and Mumma.

Munday, John C., Cranford, N. J., assignor to Standard Oil Development Company. Fluidisation process for producing aluminum. 2,462,661, Feb. 22.

Murphy, John M., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus with charging plug. 2,462,535, Feb. 22.

Murray, Otis W., Fords, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Light-sensitive photographic element. 2,462,534, Feb. 22.

Muter, Arthur J., London, England. Parallel jaw pliers. 2,462,536, Feb. 22.

Myers, Clayton S., Westfield, N. J., assignor to Bakelite Corporation. Polyethylene compositions. 2,462,331, Feb. 22.

Mykiatiuk, Joseph, Toronto, Ontario, Canada. Safety housing for gas burner grills. 2,462,537, Feb. 22.

Nagel, George W., and M. A. Schultz, Baltimore, Md., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Phase angle meter. 2,462,213, Feb. 22.

Nagel, Joseph S., Santa Ana, Calif. Building construction. 2,462,415, Feb. 22.

Nagel, Joseph S., Santa Ana, Calif. Thermal insulating building material and its manufacture. 2,462,538, Feb. 22.

Namur, Carl A., assignor to Specialty Brass Company, Incorporated, Kenosha, Wis. Rotary pump with easily removable rotor. 2,462,214, Feb. 22.

Nardin, William T., Moorestown, assignor to United States Gasket Company, Camden, N. J. Gasket centering means. 2,462,762, Feb. 22.

National Cash Register Company, assignee: *See*—
Desch, Joseph R., Guiden, and Mumma.

National Steel Corporation, assignee: *See*—
Klein, Clarence J.
Thompson, Ralph N.

Naugle, John J., New York, N. Y. Preparing an activated magnesium oxide. 2,462,277, Feb. 22.

Neely, William H., Cleveland, and S. G. Blumensaadt, Beachwood Village, assignors to The Universal Wire Spring Company, Cleveland, Ohio. Wire spring structure for seat and back constructions. 2,462,539, Feb. 22.

Nelson, Arthur E., University City, Mo. Can opener 2,462,416, Feb. 22.

Nelson, Joseph F., Elizabeth, N. J., assignor to Standard Oil Development Company. Incorporating antioxidants into synthetic rubbery isobutylene polymers. 2,462,123. Feb. 22.

Nelson, Manley R., assignor to The Stearns-Roger Manufacturing Company, Denver, Colo. Casting, forging, and heat treating cast iron grinding balls. 2,462,122, Feb. 22.

Neuberg, Carl, and H. Lustig, assignors to Interchemical Corporation, New York, N. Y. Manufacture of amino acids. 2,462,124, Feb. 22.

Neumann, Jan, Brunn, Czechoslovakia. Button. 2,462,332, Feb. 22.

New York Air Brake Company, The, assignee: *See*—
Whittingham, David J.

Newcom, Harvey C., Alameda, Calif. Cigarette holder. 2,462,333, Feb. 22.

Newton, Frank E.: *See*—
Bray, Frederick H., and Newton.

Niceley, Thomas J., Tonopah, Nev. Stope jack. 2,462,662 Feb. 22.

Nicodemus, Carroll N., and A. E. Gregg, Ashland, Ohio. Release coupling. 2,462,540, Feb. 22.

Nightingall, Charles M. G., executor: *See*—
Nightingall, Victor C. J.

Nightingall, Ruth V., executor: *See*—
Nightingall, Victor C. J.

Nightingall, Victor C. J., deceased, Heidelberg, Victoria, by Ruth V. Nightingall, A. M. Old, C. M. G. Nightingall, J. B. Aitken, and M. G. McKenzie, executors, Melbourne, assignors to Di-Met Proprietary Limited, West Melbourne, Victoria, Australia. Protectively coated ferrous metal surfaces and producing same. 2,462,763, Feb. 22.

Ninol Development Co., assignee: *See*—
Kritchevsky, Theodore.

Norden, Carl L., New York, assignor, by mesne assignments, to The Norden Laboratories Corporation, White Plains, N. Y. Erecting system for gyroscopes. 2,462,541, Feb. 22.

Norden Laboratories Corporation, The, assignee: *See*—
Norden, Carl L.

Norman, William Z., and J. Billig, New York, N. Y., assignors to Bilnor Corp. Combined bag and inflatable pillow. 2,462,215, Feb. 22.

Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of oleaginous materials. 2,462,663, Feb. 22.

Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of oleaginous materials. 2,462,664, Feb. 22.

Northern Patent Developments, Limited, assignee: *See*—
Bartlett, Benson G. W.

Norton, Lowell E., Princeton Junction, N. J., assignor to Radio Corporation of America. Phase modulation system. 2,462,417, Feb. 22.

Nowak, Leon J., Jr., Chicago, Ill. Hydraulic balance. 2,462,216, Feb. 22.

Nye, William B., Lakewood, assignor of one-half to J. Fann, North Olmstead, Ohio. Window ventilator. 2,462,278, Feb. 22.

Nylok Corporation, The, assignee: *See*—
Boots, Edmund R.

Oakes, Lesley F., Alexandria, near Sydney, Australia, assignor to International Standard Electric Corporation, New York, N. Y. Electrophoretic coating of metal articles. 2,462,125, Feb. 22.

Oaks, Orion O., Summit, N. J., assignor, by mesne assignments, to Thermal Liquids, Inc., New York, N. Y. Valve for thermal systems. 2,462,217, Feb. 22.

O'Brien, William J., assignor to The Decca Record Company, Limited, London, England. Navigation system. 2,462,764, Feb. 22.

Oesterlein, William J., Wauwatosa, assignor to Harnischfeger Corporation, Milwaukee, Wis. Welded motor frame. 2,462,765, Feb. 22.

Oilgear Company, The, assignee: *See*—
Ferris, Walter.

Olafirn Limited, assignee: *See*—
Horwitz, Adolf I.

Olcott, Eugene L., Schenectady, N. Y., assignor to General Electric Company. Alloy. 2,462,665, Feb. 22.

Old, Aubrey M., executor: *See*—
Nightingall, Victor C. J.

Olsen, Karl M., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical translator and making it. 2,462,218, Feb. 22.

Olson, John W., and C. W. Bechle, Sycamore, Ill., assignors to Anaconda Wire and Cable Company. Tension control apparatus. 2,462,766, Feb. 22.

Omar, Alejandro G., assignor to Patentes Talgo, S. A., Madrid, Spain. Articulated railway vehicle. 2,462,666, Feb. 22.

O'Neal, Alfred C., Andalusia, Ala. Ever-ready rigid top for convertible automotive vehicles. 2,462,667, Feb. 22.

O'Reilly, John J., Chicago, Ill. Accelerator pedal and switch. 2,462,767, Feb. 22.

Ortleb, Douglas, St. Louis, Mo. Protector pad. 2,462,768, Feb. 22.

Owen, David E., assignee: *See*—
England, James M.

Owens, James B., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Spark gap device. 2,462,219, Feb. 22.

Paetow, Paul, Bryant, Iowa. Feed grinder. 2,462,542, Feb. 22.

Palmer, Richard F., Hastings, Mich. Wear plate for pin setting frames. 2,462,543, Feb. 22.

Pan American Refining Corporation, assignee: *See*—
Lee, Robert J.
Wadsworth, Francis T., and Lee.

Parker, Royce L., Addison, Ill. Steam treating apparatus. 2,462,220, Feb. 22.

Parker, Warde L., Los Angeles, Calif., assignor to United Aircraft Products, Inc., Dayton, Ohio. Valve actuating means. 2,462,544, Feb. 22.

Parnell, Edwin H., Sr., Greenville, S. C. Bait casting and trolling lure. 2,462,828, Feb. 22.

Parry, Frank, and B. P. Pinkvoss, Bridgeport, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Thread-tension device for sewing machines. 2,462,812, Feb. 22.

Passman, Charles, New York, N. Y., assignor to S. F. Bowser & Company, Ltd., Toronto, Ontario, Canada. Multiple compartment refrigerator, including controls for the refrigerating system thereof. 2,462,279, Feb. 22.

Patentes Talgo, S. A., assignee: *See*—
Omar, Alejandro G.

Payne, Frank E., Glencoe, Ill. Seal adaptor. 2,462,280, Feb. 22.

Peachman, Mary E., assignee: *See*—
Elder, Esther B.

Peat, Thomas D., New York, N. Y. Lathe attachment. 2,462,126, Feb. 22.

Pedersen, Charles J., and F. B. Downing, Penns Grove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of pentaerythritylitetramine with beta-diketones and beta-hydroxy methylene ketones. 2,462,668, Feb. 22.

Pedersen, Hayes N., Racine, Wis. Stabilizable bicycle. 2,462,769, Feb. 22.

Peeples, James W., Dadeville, Ala. Electrical control system and operation. 2,462,546, Feb. 22.

Peeps, Donald J., assignor to The De Vilbiss Company, Toledo, Ohio. Spray gun. 2,462,419, Feb. 22.

Peglow, Albert H., Milwaukee, Wis. Jack accessory. 2,462,418, Feb. 22.

Peirce, Walter T., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Electric cable. 2,462,770, Feb. 22.

Pemberton, Edgar S., Banstead, assignor to British Industrial Solvents, Limited, London, England. Production of acetarylamides. 2,462,221, Feb. 22.

Penjaska, Paul A., Owosso, Mich. Modified plug gauge. 2,462,545, Feb. 22.

Penn Industrial Instrument Corporation, assignee: *See*—
Heins, Winfield B., Kittredge, and Williams.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Beacon light. 2,462,222, Feb. 22.

Pennsylvania Industrial Chemical Corporation, assignee: *See*—
Burroughs, Samuel G.

Pennsylvania Salt Manufacturing Company, The, assignee: *See*—
Gall, John F.

Percy, Joseph H., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Process and apparatus for photocatalytic reactions. 2,462,669, Feb. 22.

Personal Products Corporation, The, assignee: *See*—
Gans, Henry.

Pescara, Raul P., assignee: *See*—
Horgen, Helge B.

Peterson, Gust W., Los Angeles, Calif. Turbine pump type

Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Crosby, Murray G.

Roach, David J., A. A. Clark, and G. W. Rienks, assignors to The Great Western Sugar Company, Denver, Colo. Beet harvesting means. 2,462,128, Feb. 22.

Roadless Traction Limited, assignee: *See*—
Johnson, Philip H., and Tripp.

Schiller, Morris, assignor of fifty per cent to A. Verkitus, Albany, N. Y. Combination pillow envelope and bed sheet. 2,462,760, Feb. 22.

Schiller, Saul, Brooklyn, N. Y. Automatic contour-stitching machines. 2,462,559, Feb. 22.

Schittelbauer, Anthony: *See*—

Pascara, Raul P., assignee: *See*—
Horgen, Helge B.
Peterson, Gust W., Los Angeles, Calif. Turbine pump type hydraulic coupling. 2,462,228, Feb. 22.
Pew, Joseph N., Jr., Lower Merion Township, Montgomery County, assignor to Sun Oil Company, Philadelphia, Pa. Ship of monolithic structure. 2,462,670, Feb. 22.
Pfender, Clifford D., A. Schultze, and C. J. Knerr, Evansville, Ind., assignors to Servel, Inc., New York, N. Y. Flue connector assembly for absorption refrigerators. 2,462,671, Feb. 22.
Pheazey, John R., and R. J. M. Andrews, London, England, assignors to International Standard Electric Corporation, New York, N. Y. Electrically connecting wires to terminals. 2,462,127, Feb. 22.
Philco Corporation, assignee: *See*—
Farrow, Frederick B., Jr.
McCoy, Claudius T.
Rheams, Charles J. B.
Philips, Calvin, Seattle, Wash. Rail fastener. 2,462,771, Feb. 22.
Philips Laboratories, Inc., assignee: *See*—
Firth, Francis G.
Phillips Petroleum Company, assignee: *See*—
Carnell, Paul H.
Piane, John M., Hanover, N. H. Ski binding. 2,462,281, Feb. 22.
Picker X-Ray Corporation Waite Manufacturing Division, Inc., assignee *See*—
Stava, Robert J.
Pickford, Jack, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Latching mechanism. 2,462,282, Feb. 22.
Pierson, Adrian A., Cooperstown, N. Y. Radio shielding sealing gasket. 2,462,334, Feb. 22.
Pinder, William, Peterborough, England. Practice device for golf putting. 2,462,420, Feb. 22.
Pinkvoss, Berthold P.: *See*—
Parry, Frank, and Pinkvoss.
Piper, Henry V.: *See*—
Guffey, Wayne W., Mihelic, Piper, and Engstrom.
Pitha, John J., Jamaica, and R. Ward, assignors to Polytechnic Institute of Brooklyn, Brooklyn, N. Y. Doubly activated infrared phosphors and preparing same. 2,462,547, Feb. 22.
Pitt, Paul A., assignor to Solar Aircraft Company, San Diego, Calif. Crossflow heat exchanger. 2,462,421, Feb. 22.
Pittsburgh Consolidation Coal Company, assignee: *See*—
Davies, Caleb, Jr., and York.
Pittsburgh Plate Glass Company, assignee: *See*—
Botteron, Donald G.
Ellerman, George H.
Moffett, Eugene W.
Plambeck, Louis, Jr., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing vinyl halides. 2,462,422, Feb. 22.
Ploeg, Byron V., assignee: *See*—
Kimura, Tsuchinojo.
Polacsek, Maurice, Brooklyn, N. Y. Match splint. 2,462,772, Feb. 22.
Polacsek, Maurice, Brooklyn, N. Y. Match splint. 2,462,773, Feb. 22.
Pollock, Neil J., Chicago, Ill. Nail holder and punch. 2,462,774, Feb. 22.
Polydoroff, Wladimir J., Glencoe, Ill. Ferro magnetic variable high-frequency inductors. 2,462,423, Feb. 22.
Polytechnic Institute of Brooklyn, assignee: *See*—
Pitha, John J., and Ward.
Pontiere, Stanley M., Philadelphia, Pa., assignor of one-half to E. P. Grillo, Ocean City, N. J. Self-adjusting sea wall. 2,462,775, Feb. 22.
Poor & Company, assignee: *See*—
Preston, Frederick A.
Popplewell, Ranville A., South Coogee, near Sydney, assignor of one-half to W. G. Tate, Coogee, near Sydney, New South Wales, Australia. Wheelbarrow. 2,462,424, Feb. 22.
Portner, Louis, Margate City, N. J. Baker's peel. 2,462,672, Feb. 22.
Potato Chip Equipment Corporation, assignee: *See*—
Kobey, Silas M.
Powers, Frank B.: *See*—
Kilgore, Lee A., Godsey, Jr., Rose, and Powers.
Powers, Stephen J.: *See*—
Chatterjea, Prafulla K., and Powers.
Pratt, Irwin, Brooklyn, and W. B. Wollman, Jackson Heights, Long Island, N. Y. Article of jewelry and clasp therefor. 2,462,425, Feb. 22.
Preston, Frederick A., Lake Forest, assignor, by mesne assignments, to Poor & Company, Chicago, Ill. Single flange rail anchor. 2,462,548, Feb. 22.
Price, Robert I., Oakland, Calif. Cover for open tissue roll holders. 2,462,776, Feb. 22.
Pulliam, George E., Youngstown, Ohio. Shaft coupling. 2,462,549, Feb. 22.
Purdue Research Foundation, assignee: *See*—
Barney, Arthur L.
McBee, Earl T., and Bechtol.
Quirk, Justin P., and L. G. P. Hafner, assignors to United Wood Heel Company, St. Louis, Mo. Apparatus for turning wood heels. 2,462,673, Feb. 22.
Radio Corporation of America, assignee: *See*—
Bedford, Alda V.
Crosby, Murray G.
Hayner, Harold E.
Herold, Edward W.
Korman, Nathaniel I.
Leverenz, Humboldt W.
Lindenblad, Nils E.
Morton, George A., and Flory.
Norton, Lowell E.
Rosenthal, Frits.
Snyder, Richard L., Jr.
Sziklai, George C.
Thompson, Leland E.
Uhlig, Erich J.
Wehner, Robert S.
Young, John E., and McCown.
Rambo, J. Bryan: *See*—
Young, Thomas J., and H. N., and Rambo.
Ramsbottom, John M.: *See*—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.
Ramsbeck, George C., Chicago, Ill. Piston. 2,462,550, Feb. 22.
Rappl, Anton, Eggertsville, assignor to Trico Products Corporation, Buffalo, N. Y. Electric switch. 2,462,777, Feb. 22.
Rapuano, Henry J.: *See*—
Zimmerman, Charles H., and Rapuano.
Rathert, Gustav W., Webster Groves, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,462,283, Feb. 22.
Rauch, Konrad, assignor to The Sheffield Corporation, Dayton, Ohio. Chuck. 2,462,284, Feb. 22.
Raytheon Manufacturing Company, assignee: *See*—
Smith, William V.
Stutsman, Paul W.
Reel, Benjamin, Products, Inc., assignee: *See*—
Yirava, Charles R.
Rees, Ned J., assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical switch. 2,462,285, Feb. 22.
Rehner, John, Jr., Westfield, and P. J. Flory, Cranford, N. J., assignors to Standard Oil Development Company. Chemical plasticizers or softeners for butyl rubber. 2,462,674, Feb. 22.
Reid, Ebenezer E.: *See*—
Hartough, Howard D., Kosak, and Reid.
Reiff, Orland M., Woodbury, and H. D. Hartough, Pitman, N. J., assignors to Socony-Vavuum Oil Company, Incorporated. Preparation of polyalkylbenzyl phenols. 2,462,426, Feb. 22.
Reiman, Robert F., Fort Wayne, Ind. Convertible chair for infants. 2,462,675, Feb. 22.
Reinecke, Esther, assignee: *See*—
Rodriquez, Alfred.
Reinecke, Jean O., assignee: *See*—
Rodriquez, Alfred.
Reiner, Leopold, Orange, assignor to United Electronics Company, Newark, N. J. Getter structure. 2,462,813, Feb. 22.
Reinhardt, Bryson R., Mounds View Township, Ramsey County, Minn., assignor to General Electric Company. Starting switch for electric discharge devices. 2,462,335, Feb. 22.
Reinhardt, Robert C.: *See*—
Boyer, Raymond F., Matheson, and Reinhardt.
Remington Arms Company, Inc., assignee: *See*—
Catlin, John P.
Daniels, Frederick A.
Finlay, Walter L., and Hutchinson.
Gagne, Antoine F., Jr.
Renfrew Electric & Refrigerator Company Limited, assignee: *See*—
Beal, James F.
Renner, Darwin S., Dallas, Tex., assignor to Geophysical Service Incorporated. Amplitude control. 2,462,551, Feb. 22.
Renner, Darwin S., Dallas, Tex., assignor to Geophysical Service Incorporated. Initial attenuator control. 2,462,552, Feb. 22.
Reno, Hannah E., Grafton, Pa. Maternity dress. 2,462,553, Feb. 22.
Research Corporation, assignee: *See*—
Williams, Roger J.
Reynolds Metals Company, assignee: *See*—
Mueller, Otto N.
Rheams, Charles J. B., assignor, by mesne assignments, to Philco Corporation, Philadelphia, Pa. Noise reducing radio receiver. 2,462,224, Feb. 22.
Rhodes, Herman S., Birmingham, Ala., assignor to St. Regis Paper Company, New York, N. Y. Bag packer and weigher with jigging device. 2,462,286, Feb. 22.
Richeson, Sanford E., Brooklyn, and J. A. Allegro, Maspeth, N. Y., assignors of one-third to L. C. Huber, Ridgewood, N. J. Safety valve. 2,462,287, Feb. 22.
Richter, Emil, Philadelphia, Pa. Yarn tensioning device. 2,462,288, Feb. 22.
Rienks, George W.: *See*—
Roach, David J., Clark, and Rienks.
Riley, Melvin A., and D. C. McClelland, assignors to The Baltimore Paper Box Company, Baltimore, Md. Bottle carton. 2,462,676, Feb. 22.
Ritter Company, Inc., assignee: *See*—
Ziegler, Eugene R.

Roach, David J., A. A. Clark, and G. W. Rienks, assignors to The Great Western Sugar Company, Denver, Colo. Beet harvesting means. 2,462,128, Feb. 22.
Roadless Traction Limited, assignee: *See*—
Johnson, Philip H., and Tripp.
Roberts, Charles H., Roscoe, Calif. Folding table. 2,462,677, Feb. 22.
Robeson, Max O.: *See*—
Bludworth, Joseph E., Robeson, and Truby.
Robinson, Joseph, New York, N. Y. Electric vaporizer. 2,462,129, Feb. 22.
Robinson, Thomas, assignor to Lancaster Processes, Inc., New York, N. Y. Apparatus for sonic pulverization and dispersion of materials. 2,462,554, Feb. 22.
Roche, John C., assignor of one-half to D. J. Zahanion, Battle Creek, Mich. Picks and like tools. 2,462,427, Feb. 22.
Roehow, William F., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Furnace refractory construction. 2,462,289, Feb. 22.
Rockwell Manufacturing Company, assignee: *See*—
Bergman, Charles P.
Roderick, Arthur R., Eagle River, Wis. Saw filing machine. 2,462,225, Feb. 22.
Rodriques, Alfred, assignor to J. F. Barnes, J. O. Reinecke, M. M. Barnes, and E. Reinecke, Chicago, Ill. Walker or toy vehicle. 2,462,814, Feb. 22.
Roedel, Milton J., Talleyville, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalysts for polymerizing olefins. 2,462,678, Feb. 22.
Roesti, Hans, assignor to Ciba Limited, Basel, Switzerland. Dyeing glass fibers. 2,462,428, Feb. 22.
Root, Donald J.: *See*—
Lagerblade, Herbert C., and Root.
Rose, Bennie A.: *See*—
Kilgore, Lee A., Godsey, Rose, and Powers.
Rosen, Al, Brooklyn, N. Y. Collapsible hanger. 2,462,778, Feb. 22.
Rosenau, Ila E., Seattle, Wash. Rainproof headwear. 2,462,679, Feb. 22.
Rosenow, Albert, Evergreen Park, Ill. Indicator attachment for machine tools. 2,462,226, Feb. 22.
Rosenthal, Frits, Crescent Park, Bellmawr, N. J., assignor to Radio Corporation of America. Copolymers of styrene and 4,4'-divinyl-biphenyl. 2,462,555, Feb. 22.
Rosenthal, Hyman: *See*—
Lipson, Samuel, Rosenthal, and Markus.
Rosenthal, Walter, New York, N. Y. Dropping funnel. 2,462,556, Feb. 22.
Roto-Matic Screen Printer, Ltd., assignee: *See*—
Fleisher, Harry, and Tillett.
Rudd, Ross, Springfield, Mass. Automatic mechanism for carbines. 2,462,130, Feb. 22.
Ruedrich, Paul M., Berkeley, Calif., assignor to Griffin Chemical Company. Preparation of oil soluble petroleum sulfonates. 2,462,829, Feb. 22.
Ruff, Harold R.: *See*—
Mills, Robert V., Clark, and Ruff.
Ruff, Harold R., Rugby, England, assignor to General Electric Company. Electric discharge device and operation. 2,462,336, Feb. 22.
Russell, Robert C., Cleveland Heights, assignor to Eaton Manufacturing Company, Cleveland, Ohio. Gear shifting mechanism. 2,462,779, Feb. 22.
Rustin, Eugene H., Brooklyn, N. Y. Soldering iron. 2,462,131, Feb. 22.
Sachs, Milton, New York, N. Y. Scaffold. 2,462,429, Feb. 22.
St. Regis Paper Company, assignee: *See*—
Rhodes, Herman S.
Salmon, Reginald D., assignor to Creed and Company Limited, Croydon, England. Typewheel positioning mechanism for printing telegraph apparatus. 2,462,132, Feb. 22.
Sands, Jack E.: *See*—
Campbell, Kenneth S., and Sands.
Santee, Carl M., Dixon, Ill. Heat pump means for controlling the temperature of the walls of a room. 2,462,557, Feb. 22.
Sargent, Donald E., Easton, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymers from ethylene and carbon dioxide. 2,462,680, Feb. 22.
Sarett, Lewis H., Princeton, assignor to Merck & Co., Inc., Rahway, N. J. Process of treating pregnene compounds. 2,462,133, Feb. 22.
Sauer, Louis E., Sharon, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Connector. 2,462,227, Feb. 22.
Sauvey, Lawrence E., Lakeside, Ohio. Fishhook supporting frame. 2,462,290, Feb. 22.
Schaal, Earl V.: *See*—
Horton, Erwin C., and Schaal.
Schaefer, Vincent J., Schenectady, N. Y., assignor to General Electric Company. Forming germanium films. 2,462,681, Feb. 22.
Schallis, Alvin: *See*—
Walcott, Raymond H., and Schallis.
Scheuermann, Joseph S., and T. N. Carter, Chicago, Ill., assignors to Cameron Machine Company, Brooklyn, N. Y. Tension control means for running web. 2,462,558, Feb. 22.

Schiller, Morris, assignor of fifty per cent to A. Verkitus, Albany, N. Y. Combination pillow envelope and bed sheet. 2,462,780, Feb. 22.
Schiller, Saul, Brooklyn, N. Y. Automatic contour-stitching machines. 2,462,559, Feb. 22.
Schittelbauer, Anthony: *See*—
Bauer, Joseph, and Schittelbauer.
Schmidt, Edward, Rutherford, N. J. Tiltable umbrellas. 2,462,560, Feb. 22.
Schneider, Allan K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Sulfur-containing polyamides. 2,462,430, Feb. 22.
Schneider, Max S., Chicago, Ill. Article supporting rack. 2,462,431, Feb. 22.
Schneider, Siebert, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Welding apparatus. 2,462,561, Feb. 22.
Schner, Charles, Jr., Hewlett, and F. Zeiser, Stewart Manor, assignors to Sentinel Products, Incorporated, New York, N. Y. Dispensing cabinet. 2,462,816, Feb. 22.
Schoenbaum, Joseph R., Roseland, N. J., assignor to W. Martin, Jr., doing business as Martin Elevator Company, New York, N. Y. Elevator position indicator. 2,462,781, Feb. 22.
Schroeder, Burton W.: *See*—
Konen, James C., and Schroeder.
Schubert, Homer M., Salem, Oreg. Cherry stemming and sorting machine. 2,462,682, Feb. 22.
Schulman, Earl L., and R. D. Jerabek, Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Insulating material. 2,462,228, Feb. 22.
Schultz, Mortimer A.: *See*—
Nagel, George W., and *Schultz*.
Schultze, Albert: *See*—
Pfender, Clifford D., Schultze, and Knerr.
Schwab, John, Winnipeg, Manitoba, Canada. Lamp device. 2,462,562, Feb. 22.
Schwartz, Morris, and W. Castedello, assignors to The Kalart Company, Inc., Stamford, Conn. Plate holder with safety lock. 2,462,683, Feb. 22.
Scribner, Thornton S., Nevada City, Calif. Power scoop. 2,462,432, Feb. 22.
Scully, Charles T., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Remote control arrangement. 2,462,134, Feb. 22.
Searle, Norman E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic thiocyanates and isothiocyanates. 2,462,433, Feb. 22.
Sedgwick, Robert K., assignor to American Steel Foundries, Chicago, Ill. Valve system for hydraulic press circuit. 2,462,815, Feb. 22.
Selas Corporation of America, assignee: *See*—
Kniveton, James.
Sels, Jacques: *See*—
Ahler, Jean, and Sels.
Sentinel Products, Incorporated, assignee: *See*—
Schner, Charles, Jr., and Zeiser.
Servel, Inc., assignee: *See*—
Pfender, Clifford D., Schultze, and Knerr.
Sette, Frederick E., Alameda, Calif. Valve. 2,462,291, Feb. 22.
Seyforth, Rome C., Shelby, Ohio. Portable atomizer. 2,462,563, Feb. 22.
Shechter, Leon, East Orange, N. J., assignor to Bakelite Corporation. Preparation of unsaturated acid esters. 2,462,337, Feb. 22.
Sheffield Corporation, The, assignee: *See*—
Rauch, Konrad.
Shimrat, Moshe, by change of name: *See*—
Sieradzki, Mojzesz.
Shohan, Jacob B., West Orange, N. J., assignor to American Home Products Corporation, New York, N. Y. Production of totaquine. 2,462,782, Feb. 22.
Shropshire, William W., Chicago, Ill., assignor to International Smelting and Refining Company. Apparatus for refining siniciferous lead. 2,462,783, Feb. 22.
Shur-Antenna-Mount Inc., assignee: *See*—
Shur, John W.
Shur, John W., assignor to Shur-Antenna-Mount Inc., Sea Cliff, N. Y. Antenna construction. 2,462,229, Feb. 22.
Siehrs, Arthur E.: *See*—
Hess, Mattie P., and Siehrs.
Sieradzki, Mojzesz, Tel Aviv, Israel, now by judicial change of name M. Shimrat. Adding device. 2,462,338, Feb. 22.
Simmon, Alfred, Jackson Heights, assignor to Simmon Brothers, Inc., Long Island City, N. Y. Photoelectric exposure time and paper selector for photographic enlargers having slide rule type computers and stepwedges. 2,462,339, Feb. 22.
Simmon, Alfred, Jackson Heights, and L. L. Weisglass, New York, assignors to Simmon Brothers, Inc., Long Island City, N. Y. Print control device for photographic enlargers. 2,462,340, Feb. 22.
Simmon Brothers, Inc., assignee: *See*—
Simmon, Alfred.
Simmon, Alfred, and Weisglass.
Simplex Wire & Cable Co., assignee: *See*—
Freeman, Walter K.
Sinclair Refining Company, assignee: *See*—
Kleinhols, Milton P.
Singer Manufacturing Company, The, assignee: *See*—
Momberg, James W.
Parry, Frank, and Pinkvoss.

Sisson, Kenneth O.: *See*—
Clark, Kendall, and Sisson.
Skeen, John E., assignor to Sun Oil Company, Philadel-

Stanton, Robert E., Denver, Colo. Apparatus for uninterrupted reproduction of disk phonograph records. 2,462,435, Feb. 22.

Thomas, George C., Jr., Elizabeth, and C. A. Badeau, Westfield, assignors to The Thomas & Betts Co., Elizabeth, N. J. Cable connector. 2,462,818, Feb. 22.

Van Dinter, George L., Pomona, Calif., and W. E. Austin, assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Boot form. 2,462,230, Feb. 22.

Simon, Kenneth O.: *See*—
Clark, Kendall, and Sisson.

Skeen, John E., assignor to Sun Oil Company, Philadelphia, Pa. Separation of polymers. 2,462,564, Feb. 22.

Skinner, Leslie A., Washington, D. C., assignor to United States of America as represented by the Secretary of War. Rocket primer. 2,462,135, Feb. 22.

Smith, Arthur L., Torrance, assignor to Lane-Wells Company, Los Angeles, Calif. Well perforating gun. 2,462,784, Feb. 22.

Smith, Edgar M., Trenton, N. J., assignor, by mesne assignments, to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control instrument. 2,462,566, Feb. 22.

Smith, Franklin N., Aurora, Ill. One-way expansible band brake. 2,462,565, Feb. 22.

Smith, Lee T., Philadelphia, Pa., assignor to the United States of America as represented by the Secretary of Agriculture. Copolymers of tetra-allyl pentaerythritol. 2,462,817, Feb. 22.

Smith, Samuel H., Bucyrus, Ohio. Heat exchanger and making same. 2,462,136, Feb. 22.

Smith, William Y., Medford, assignor to Raytheon Manufacturing Company, Newton, Mass. Electron discharge device. 2,462,137, Feb. 22.

Smith, William W., Houston, Tex. Outside pipe cutter. 2,462,230, Feb. 22.

Snell, Harold T., El Paso, Tex. Fluid velocity governor. 2,462,785, Feb. 22.

Snow-Nabstedt Gear Corporation, The, assignee: *See*—
Berndtson, John O.

Snyder, Richard L., Jr., Princeton, N. J., assignor to Radio Corporation of America. Light interference distance measuring device having photoelectric means. 2,462,292, Feb. 22.

Societe d'Etudes et de Participations, Eau, Gas, Electricite, Energie S. A., assignee: *See*—
Horgen, Helge B.

Societe Genevoise d'Instruments de Physique, assignee: *See*—
Turrettini, Fernand.

Socony-Vacuum Oil Company, Incorporated, assignee: *See*—
Ferguson, Leslie L.
Gorin, Manuel H., and Swerdloff.
Harrington, George A.
Hartough, Howard D., Kosak, and Reid.
Reiff, Orland M., and Hartough.
Wilson, Robert C., Jr.

Soday, Frank J., Baton Rouge, La., assignor to The United Gas Improvement Company. Stabilized indene and alkyl indene resins. 2,462,684, Feb. 22.

Solar Aircraft Company, assignee: *See*—
Pitt, Paul A.

Solar Corporation, assignee: *See*—
Welby, Alfred C.

Spangenberg, Alfred L., assignor to Halfco, Inc., Los Angeles, Calif. Making self-aligning ball bearings. 2,461,138, Feb. 22.

Spar-Holl Manufacturing Company, assignee: *See*—
Sparkes, Harry P.

Sparkes, Harry P., West Orange, N. J., assignor to Spar-Holl Manufacturing Company, Glassport, Pa. Thermally equalised cylinder construction. 2,462,139, Feb. 22.

Sparks, Bayard P., St. James, N. Y. Window locking device. 2,462,434, Feb. 22.

Sparks, William J.: *See*—
Young, David W., and Sparks.

Specialty Brass Company, Incorporated, assignee: *See*—
Nasmar, Carl A.

Sperry Corporation, The, assignee: *See*—
Esval, Orland E.
Halpert, Percy, Frische, Bird, and Esval.

Spicer, Herbert C., Takoma Park, Md. Portable battery-powered gamma-ray counting rate meter of high sensitivity. 2,462,140, Feb. 22.

Springfield Safe Deposit and Trust Co., executor: *See*—
Wesson, Victor H.

Sproll, Paul, Long Island City, N. Y. Foldable cot. 2,462,683, Feb. 22.

Stadiman, Roger W., Los Angeles, Calif. Piston construction for internal-combustion engines and sleeve-like piston ring construction therefor. 2,462,567, Feb. 22.

Stahl, Elmer R.: *See*—
Elvin, William J., and Stahl.

Stallard, Ben W., Cincinnati, Ohio. Dice agitator. 2,462,686, Feb. 22.

Standard Oil Development Company, assignee: *See*—
Arundale, Erving.
Eby, Lawrence T., and Mikeska.
Gidley, Philip T.
Munday, John C.
Nelson, Joseph F.
Rehner, John, Jr., and Flory.
Vickers, Herbert H.
Wilcox, Leon J.
Young, David W., and Sparks.

Standard Telephones and Cables Limited, assignee: *See*—
Foulkes, Christopher H.

Sta-Neet Corporation, assignee: *See*—
Mansfield, Warren M.

Stanton, Robert E., Denver, Colo. Apparatus for uninterrupted reproduction of disk phonograph records. 2,462,435, Feb. 22.

Stauffer Chemical Company, assignee: *See*—
Walcott, Raymond H., and Schallis.

Stava, Robert J., University Heights, assignor to Picker X-ray Corporation Waite Manufacturing Division, Inc., Cleveland, Ohio. Film magazine. 2,462,687, Feb. 22.

Stearns-Roger Manufacturing Company, The, assignee: *See*—
Nelson, Manley R.

Steckel, Abram F., Youngstown, Ohio. Water kite. 2,462,568, Feb. 22.

Steckler, Nat P., New York, N. Y. Pacifier. 2,462,786, Feb. 22.

Steen, Gottfrid W.: *See*—
Machlett, Raymond R., and Steen.

Stein, Fred, Bridgeport, Conn. Cigarette dispensing container and lighter. 2,462,231, Feb. 22.

Stein, Hall & Company, Inc., assignee: *See*—
La Piana, Fred G.

Stein, Joseph M., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control means. 2,462,232, Feb. 22.

Steinberg, Robert, Great Neck, N. Y. Glove or the like. 2,462,787, Feb. 22.

Stewart, Robert G., assignor to Curlette, Inc., Los Angeles, Calif. Curling stone. 2,462,436, Feb. 22.

Stoltz, Glenn E., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Motor control system. 2,462,233, Feb. 22.

Stone, Thomas P., Bay City, Mich. Cover holder. 2,462,688, Feb. 22.

Storer, Richard M., Denver, Colo. Fastening device. 2,462,141, Feb. 22.

Streets, Ernest A., Compton, Calif. Insecticide dispensing device. 2,462,689, Feb. 22.

Striegel, Harold L.: *See*—
Gustafsson, Eric, and Striegel.

Stromberg-Carlson Company, assignee: *See*—
Morris, Frank A.

Stryker, Charles R.: *See*—
De Ward, Russell D., Stryker, and Blockman.

Studley, Clarence K., Jr., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Revolutions counter actuator. 2,462,690, Feb. 22.

Stutsman, Paul W., Needham, assignor to Raytheon Manufacturing Company, Newton, Mass. Cold-cathode gas tube with starting electrode. 2,462,142, Feb. 22.

Sudbrink, Harold J., Woodside, Long Island, N. Y. Lighter. 2,462,143, Feb. 22.

Sun Oil Company, assignee: *See*—
Pew, Joseph N., Jr.
Skeen, John E.

Superdraulic Corporation, assignee: *See*—
Hoffer, James F.

Supina, Alfred A., assignee: *See*—
Supina, Leo E.

Supina, Leo E., Westford, assignor of one-half to A. A. Supina, Stafford Springs, Conn. Parachute. 2,462,234, Feb. 22.

Sutton, Donald E., assignor to Hammond Machinery Builders, Inc. Kalamazoo, Mich. Worktable for belt grinders and the like. 2,462,788, Feb. 22.

Sweitz, Henry L., assignee: *See*—
Beymer, Marshall.

Swenton, John A., Bristol, Conn. Magnetic ball transfer. 2,462,235, Feb. 22.

Swerdloff, Will: *See*—
Gorin, Manuel H., and Swerdloff.

Swift & Company, assignee: *See*—
Mitchell, Harold S., Kay, Hartanov, and Ramsbottom.

Szikiai, George C., Princeton, N. J., assignor to Radio Corporation of America. Television receiving tube with storage properties. 2,462,569, Feb. 22.

Tallaksen, Olaf, Chicago, Ill. Artificial fish bait. 2,462,437, Feb. 22.

Tate, William G., assignee: *See*—
Popplewell, Ranville A.

Taylor-Ball Developments Limited, assignee: *See*—
Ball, Edgar D.

Terry, Bennett F., Stamford, Conn. Forming printing plates. 2,462,570, Feb. 22.

Texas Company, The, assignee: *See*—
Crumrine, Kenneth C.

Theillaumas, Clément M., Boulogne-Billancourt, France, assignor to International Standard Electric Corporation, New York, N. Y. Pulse receiving and repeating system. 2,462,144, Feb. 22.

Thermal Liquids, Inc., assignee: *See*—
Oaks, Orlon O.

Thomas & Betts Co., The, assignee: *See*—
Thomas, George C., Jr., and Badeau.

Thomas, Charles L., Western Springs, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of silica hydrogel and catalysts. 2,462,236, Feb. 22.

Thomas, Donald, Detroit, assignor to Clinton Machine Company, Clinton, Mich. Tap extractor. 2,462,438, Feb. 22.

Thomas, Frank B., assignor to Creed and Company, Limited, Croydon, England. Recording electric signals. 2,462,145, Feb. 22.

Thomas, George C., Jr., Elizabeth, and C. A. Badeau, Westfield, assignors to The Thomas & Betts Co., Elizabeth, N. J., Cable connector. 2,462,818, Feb. 22.

Thomas, Moyer D., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Automatically measuring concentrations of gases. 2,462,293, Feb. 22.

Thompson, Lawrence, Richmond Hill, N. Y. Continuous process camera. 2,462,439, Feb. 22.

Thompson, Leland E., Merchantsville, N. J., assignor to Radio Corporation of America. Automatic frequency control. 2,462,294, Feb. 22.

Thompson, Ralph D., and J. A. Chenicek, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Stabilization of organic compounds. 2,462,237, Feb. 22.

Thompson, Ralph N., Melvindale, Mich., assignor to National Steel Corporation. Apparatus for transferring materials. 2,462,691, Feb. 22.

Thompson, Robert H., and H. Harvey, assignors to L. M. Harvey, Los Angeles, Calif. Magnetic stroke control for cylinder and piston mechanisms. 2,462,571, Feb. 22.

Throdahl, Monte C., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Vulcanizing rubbery butadiene polymers with dixanthic disulfides. 2,462,572, Feb. 22.

Tierney, Thomas W., Watertown, Mass. Candle holder. 2,462,440, Feb. 22.

Tillett, George H.: *See*—
Fleisher, Harry, and Tillett.

Timken-Detroit Axle Company, The, assignee: *See*—
Buckendale, Lawrence R.

Tipton, Elizabeth B., executrix: *See*—
Kotches, Frank K., and Tipton.

Tipton, William D.: *See*—
Kotches, Frank K., and Tipton.

Tomlin, Stanley G.: *See*—
Fremlin, John H., and Tomlin.

Traill, Herbert H., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Transmission oil filter means. 2,462,819, Feb. 22.

Tremaine, Breckenridge K. assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cleaning composition for rust-stained lacquered surfaces. 2,462,341, Feb. 22.

Trico Products Corporation, assignee: *See*—
Hess, Willis C.
Horton, Erwin C., and Schaal.
Rappl, Anton.

Tripp, Leonard W.: *See*—
Johnson, Philip H., and Tripp.

Trogner, Arthur M., East Stroudsburg, Pa., assignor to Line Material Company, Milwaukee, Wis. Operating mechanism for electrical switches. 2,462,342, Feb. 22.

Trollen, Martin E., assignor to Brown & Bigelow, St. Paul, Minn. Two-piece plastic loose-leaf memorandum sheet holder. 2,462,789, Feb. 22.

Truby, Harry A., Jr.: *See*—
Bludworth, Joseph E., Robeson, and Truby.

Turbo Engineering Corporation, assignee: *See*—
Heinz, Winfield B., Kittredge, and Williams.

Turrettini, Fernand, Bellevue-Geneva, assignor to Societe Genevoise D'Instruments de Physique, Geneva, Switzerland. Precision machine tool. 2,462,573, Feb. 22.

Uhlig, Erich J., Haddon Heights, N. J., assignor to Radio Corporation of America. Electrical servo system. 2,462,238, Feb. 22.

Under Water Welders & Repairers Limited, assignee: *See*—
Boot, Robert H. F.

Union Switch & Signal Company, The, assignee: *See*—
Allison, Leslie R.

Union Trust Company of Pittsburgh, The, administrator: *See*—
Craig, John R.

United Aircraft Corporation, assignee: *See*—
Zimmerman, Charles H., and Rapuano.

United Aircraft Products, Inc., assignee: *See*—
Parker, Wardle L.

United-Carr Fastener Corporation, assignee: *See*—
Buckley, Clyde D.

United Chromium, Incorporated, assignee: *See*—
Dubpernell, George.

United Electronics Company, assignee: *See*—
Reitner, Leopold.

United Gas Improvement Company, The, assignee: *See*—
Batchelder, Howard R.
Soday, Frank J.

United Wood Heel Company, assignee: *See*—
Quirk, Justin P., and Harber.

United States Gasket Company, assignee: *See*—
Nardin, William T.

United States Radium Corporation, assignee: *See*—
Wallhausen, Clarence W., and Dooley.

Universal Oil Products Company, assignee: *See*—
Hulsberg, William E.
Thomas, Charles L.
Thompson, Ralph B., and Chenicek.

Universal Wire Spring Company, The, assignee: *See*—
Neely, William H., and Blumensaadt.

Utica Drop Forge & Tool Corporation, assignee: *See*—
Darmara, Falih N.

Van Dinter, George L., Pomona, Calif., and W. E. Austin, assignors to Mishawaka Rubber & Woolen Manufacturing Company, Mishawaka, Ind. Boot form. 2,462,280, Feb. 22.

Van Ryan, Anthony: *See*—
Kyle, William D., Jr., and Van Ryan.

Van Vliet, Paul D., and B. J. Homkes, Galesburg, assignors to Liquid Carbonic Corporation, Chicago, Ill. Two-temperature refrigerator system. 2,462,240, Feb. 22.

Van Voorhis, William G., assignor to The Jaeger Machine Company, Columbus, Ohio. Bucket structure for excavators and loaders. 2,462,790, Feb. 22.

Vapor Heating Corporation, assignee: *See*—
Lehane, Timothy J., and Burgess.

Verkitus, Anna, assignee: *See*—
Schiller, Morris.

Vickers, Herbert H., Union, N. J., assignor to Standard Oil Development Company. Tearing and dividing equipment. 2,462,692, Feb. 22.

Victor Chemical Works, assignee: *See*—
Adler, Howard.
Knox, William H., Jr., Cochran, Crudup, and Miller.

Victoreen, John A., Cleveland, Ohio. Vacuum tube with filamentary cathode. 2,462,441, Feb. 22.

Von Mehren, Oswald, Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,791, Feb. 22.

Wabshaw, Benjamin A., Des Moines, Iowa. Shipping box. 2,462,693, Feb. 22.

Wadsworth, Francis T., Texas City, and R. J. Lee, La Marque, Tex., assignors to Pan American Refining Corporation, New York, N. Y. Alkylation process. 2,462,792, Feb. 22.

Wakefield, Walter H.: *See*—
Manoog, John C., and Wakefield.

Walcott, Raymond H., Cranford, and A. Schallis, Jersey City, N. J., assignors to Stauffer Chemical Company. Stabilization of insoluble sulfur. 2,462,146, Feb. 22.

Walker, Kenneth E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nonflammable hydraulic fluid. 2,462,694, Feb. 22.

Walker, Uel T., Hollywood, Fla. Pipe coupling. 2,462,575, Feb. 22.

Walker, Uel T., Hollywood, Fla. Whirling toy. 2,462,576, Feb. 22.

Wallace, Charles F., Westfield, assignor to Wallace & Tiernan Products, Inc., Belleville, N. J. Static elimination in manometers. 2,462,820, Feb. 22.

Wallace, Daisy T., administratrix: *See*—
Wallace, Edward E.

Wallace, Edward E., deceased, Cleveland Heights, Ohio; D. T. Wallace, administratrix. Joint for shafts. 2,462,574, Feb. 22.

Wallace, Raymond C., East Providence, R. I. Branch holder. 2,462,442, Feb. 22.

Wallace & Tiernan Products, Inc., assignee: *See*—
Wallace, Charles F.

Waller, William T., Philadelphia, Pa. Spot facing jig. 2,462,147, Feb. 22.

Wallhausen, Clarence W., and H. H. Dooley, Morristown, N. J., assignors to United States Radium Corporation, New York, N. Y. Radioactive metal products and making same. 2,462,241, Feb. 22.

Walter, William H., Chicago, Ill. Apparatus for centrifugal castings. 2,462,794, Feb. 22.

War, the United States of America as represented by the Secretary of, assignee: *See*—
Beeman, Donald R.
Garand, J. C.
Hickman, Clarence N.
Lochhead, John L.
Moore, Cyrril A.
Skinner, Leslie A.

Warburton, Frank D., Southgate, Calif. Carburetor. 2,462,695, Feb. 22.

Warburton, Frank D., South Gate, Calif. Carburetor. 2,462,696, Feb. 22.

Ward, George L., Northwood, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Electric soldering apparatus. 2,462,148, Feb. 22.

Ward, Roland: *See*—
Pitha, John J., and Ward.

Warner, Douglas K., Sarasota, Fla. Power lift plane. 2,462,578, Feb. 22.

Warner, Lester W., Miami, Fla. Mattress. 2,462,579, Feb. 22.

Warren, James P., Freeport, Tex. Wind-pressure gauge. 2,462,577, Feb. 22.

Watson, Cyril D., Farnborough, England. Hydraulic valve and hydraulic power device embodying such valves. 2,462,580, Feb. 22.

Watson-Stillman Co., The, assignee: *See*—
Dinzl, Richard W.

Watson, Thomas E., Tewksbury, assignor to Heinze Electric Company, Lowell, Mass. Warp guide. 2,462,581, Feb. 22.

Weaver, Wrex A., assignee: *See*—
Welch, Charles H.

Webb, Herbert J.: *See*—
Webb, Josephine R. and H. J.

Webb, John K., London, England, assignor, by mesne assignments, to International Standard Electric Corporation, New York, N. Y. Treatment of cable insulated with thermoplastic material. 2,462,149, Feb. 22.

Webb, Josephine R. and H. J., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,796, Feb. 22.

Webb, Paul R., and J. R. Koster, Boulder City, Nev.

Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic production of oxo-carbonyl compounds. 2,462,448, Feb. 22.

Young, John E., Merchantville, and W. E. McCown, Gloucester, N. J., assignors to Radio Corporation of America. Control circuits. 2,462,799, Feb. 22.

Young, Thomas J., and H. N., and J. B. Rambo, Meridian, Idaho. Combination sweep rake and stacker.

Ziegler, Eugene B., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Electric motor control system. 2,462,349, Feb. 22.

Zimmerman, Charles H., Nichols, and H. J. Rapuano, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Single or multiengined drive for plural

Webb, Josephine R. and H. J., Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit interrupter. 2,462,795, Feb. 22.

Webb, Paul S., and J. R. Koster, Boulder City, Nev. Silicone surfaced cooking implement. 2,462,242, Feb. 22.

Wedgworth, John K., York, Ala. Rail fastening means for wood ties. 2,462,582, Feb. 22.

Wehner, Robert S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Transmission line system. 2,462,443, Feb. 22.

Welby, Alfred C., Minneapolis, Minn., assignor to Solar Corporation, Milwaukee, Wis. Teat cup. 2,462,583, Feb. 22.

Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Thiophene-2-carboxylic acid. 2,462,697, Feb. 22.

Weisglass, Louis L.: *See*—
Simmon, Alfred, and Weisglass.

Weiss, Hugo, London, England. Airtight lid for containers. 2,462,445, Feb. 22.

Weiss, John M., New York, N. Y. Production of maleic anhydride from maleic acid. 2,462,444, Feb. 22.

Welch, Charles H., assignor of twenty-five per cent to W. A. Weaver, Flint, Mich. Nonskid device for automobiles. 2,462,584, Feb. 22.

Wellborn, Starnes R., Nashville, Tenn. Built-in circuitous smoke passage. 2,462,446, Feb. 22.

Wellborn, Starnes R., Nashville, Tenn. Silk-screen printing apparatus. 2,462,447, Feb. 22.

Wellman, S. K., Company, The, assignee: *See*—
Wellman, Samuel K.

Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Making composite articles. 2,462,821, Feb. 22.

Wesson, Eleanor M., assignee: *See*—
Wesson, Victor H.

Wesson, Victor H., deceased, Palmer, by Springfield Safe Deposit and Trust Company, executor, Springfield, assignor to E. M. Wesson, Palmer, Mass. Sear mechanism. 2,462,585, Feb. 22.

Western Electric Company, Incorporated, assignee: *See*—
Bouget, Yves A.
Grosselfinger, Walter H.
Lerch, Brooke W.

Western States Machine Company, The, assignee: *See*—
Hertrich, Joseph.

Western Union Telegraph Company, The, assignee: *See*—
Grimes, Edgar S.
Light, George G., and Hanford.

Westinghouse Air Brake Company, The, assignee: *See*—
Bent, Arthur J.
De Witt, Chauncey O.
Larson, Arthur G.

Westinghouse Electric Corporation, assignee: *See*—
Baker, Benjamin P., and Leeds.
Blackburn, Wayne E.
Boyd, John, and Bice.
Cumming, James M.
Easley, Gilbert J.
Erbe, John R., and Caldwell.
Esarey, Raymond W.
Fields, Charles V.
Goldsborough, Shirley L.
Goldsborough, Shirley L., and Blackburn.
Guerdan, Dikran A., and Bluman.
Hathaway, Clarence B., and Woll.
Heln, Carl C.
Hipple, John, Jr., and Grove.
Hodnette, John K., and Forbes.
Kehoe, Joseph W., and Dym.
Kilgore, Lee A., Godsey, Rose, and Powers.
Kovalsky, Joseph F.
Ludwig, Leon R.
Merahon, Clarence L.
Minter, Herbert F.
Nagel, George W., and Schultz.
Owens, James B.
Pennow, Willis A.
Pickford, Jack.
Sauer, Louis E.
Schulman, Earl L., and Jerabek.
Stein, Joseph M.
Stoltz, Glenn E.
Von Mehren, Oswald.
Webb, Josephine R., and Webb.
Whittaker, Charles C.
Winkler, Frederic C., and Wyman.
Wise, Ernest G.

Weston Electrical Instrument Corporation, assignee: *See*—
Woodward, Horace L., Jr.

Weyerhaeuser Timber Company, assignee: *See*—
Booty, Raymond G.

Wheaton Brass Works, assignee: *See*—
Krone, Howard C., and Meyer.

Wheeler, Harold A., Alwood, assignor to Bendix Aviation Corporation, Teterboro, N. J. Regulator. 2,462,796, Feb. 22.

White, William R.: *See*—
Bowen, William J., and White.

Whitman, Gerald M., Claymont, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic production of oxo-carbonyl compounds. 2,462,448, Feb. 22.

Whitman, Nelson: *See*—
Detrick, Stanley R., Lockwood, and Whitman.

Whittaker, Charles C., Pittsburgh, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Gas-cleaning means. 2,462,797, Feb. 22.

Whittingham, David J., Watertown, N. Y., assignor to The New York Air Brake Company. Seal for resisting high pressures. 2,462,586, Feb. 22.

Wilbur, Donald A., Troy, N. Y., assignor to General Electric Company. Electrical discharge device. 2,462,698, Feb. 22.

Wilcox, Albert R., Washington, D. C. Jet propelled helicopter rotor. 2,462,587, Feb. 22.

Wilcox, Leon J., Westfield, N. J., assignor to Standard Oil Development Company. Fabrication of conduits for corrosive fluids. 2,462,699, Feb. 22.

Wilkinson, Walter G., Woodlawn, assignor to The Glenn L. Martin Company, Middle River, Md. Apparatus for making axonometric drawings. 2,462,150, Feb. 22.

Williams, John G.: *See*—
Heins, Winfield B., Kittridge, and Williams.

Williams, Roger J., Corvallis, Oreg., assignor to Research Corporation, New York, N. Y. Preparation of growth promoting substances. 2,462,449, Feb. 22.

Wilson, John H., Bay Shore, N. Y. Scoop and siphon for water-cooling systems. 2,462,450, Feb. 22.

Wilson, Robert C., Jr., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Manufacture of desiccants. 2,462,798, Feb. 22.

Winkler, Frederic C., and B. A. Wyman, Cleveland, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Luminaire. 2,462,243, Feb. 22.

Winkquist, Sven G., Goteborg, Sweden. Universal joint. 2,462,700, Feb. 22.

Winnen, Franklyn E.: *See*—
Benjamin, Milton L., and Winnen.

Winther, Martin P., assignee, trustee: *See*—
Winther, Martin P.

Winther, Martin P., Waukegan, Ill., assignor to M. P. Winther, as trustee. Dynamoelectric machine. 2,462,451, Feb. 22.

Wirth, Rand, Oakland, Calif. Power shear and sprayer. 2,462,701, Feb. 22.

Wise, Ernest G., Chicago, Ill., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,462,244, Feb. 22.

Wittenberg, Margaret H., Millburn, N. J., assignor to Jantzen Knitting Mills, New York, N. Y. Brassiere. 2,462,295, Feb. 22.

Wohlgemuth, Adolph J., Brooklyn, N. Y. Remote-control system. 2,462,343, Feb. 22.

Woll, Richard F.: *See*—
Hathaway, Clarence B., and Woll.

Wollman, Wolf B.: *See*—
Pratt, Irwin, and Wollman.

Wondra, Edward J., Mayville, Wis. Grain blower drive mechanism. 2,462,588, Feb. 22.

Wood, Frank, Elmhurst, Ill., assignor to Zenith Radio Corporation. Variable inductance. 2,462,822, Feb. 22.

Woodward, David W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic elements having hydrophilic polyvinyl acetal colloid sublayers. 2,462,151, Feb. 22.

Woodward, Horace L., Jr., Arlington, Va., assignor to Weston Electrical Instrument Corporation, Newark, N. J. Photoelectric cell color temperature measuring device. 2,462,823, Feb. 22.

Woodworth, N. A., Company, assignee: *See*—
Hohwart, George and E. F.

Wooten, Leland A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Space discharge device. 2,462,245, Feb. 22.

Worthington, Wayne H., and E. F. Jirsa, Waterloo, Iowa, assignors to Deere Manufacturing Co. Hydraulic power lift mechanism. 2,462,246, Feb. 22.

Wright, Stewart E., Cincinnati, Ohio. Electrical snap-on wire connector. 2,462,247, Feb. 22.

Wyman, Burton A.: *See*—
Winkler, Frederic C., and Wyman.

Yale & Towne Manufacturing Company, The, assignee: *See*—
Feldmann, Henry J.

Yates, Herbert, Kingsbury, London, England. Bench frames for supporting and rotating long cylindrical vessels during welding. 2,462,702, Feb. 22.

Yates, Lester R., Baltimore, Md., assignor to Bendix Aviation Corporation, South Bend, Ind. Variable gain amplifier. 2,462,452, Feb. 22.

Yirava, Charles R., assignor to Benjamin Reel Products, Inc., Cleveland, Ohio. Spring reel. 2,462,296, Feb. 22.

York, Robert, Jr.: *See*—
Davies, Caleb, Jr., and York.

Young, David W., Roselle, and W. J. Sparks, Westfield, N. J., assignors to Standard Oil Development Company. Copolymers of multiolefins with vinyl ethers and method of making same. 2,462,703, Feb. 22.

Young, Harold N.: *See*—
Young, Thomas J. and H. N., and Rambo.

Young, John E., Merchantville, and W. E. McCown, Gloucester, N. J., assignors to Radio Corporation of America. Control circuits. 2,462,799, Feb. 22.

Young, Thomas J. and H. N., and J. B. Rambo, Meridian, Idaho. Combination sweep rake and stacker. 2,462,152, Feb. 22.

Zahanion, Dorene J., assignee: *See*—
Roche, John C.

Zbar, Marcus J., Tampa, Fla. Spear gun. 2,462,248, Feb 22.

Zehring, Frank E., Dayton, Ohio. Divider setting micrometer. 2,462,589, Feb. 22.

Zeiser, Frank: *See*—
Schner, Charles, Jr., and Zeiser.

Zenith Radio Corporation, assignee: *See*—
Wood, Frank.

Ziegler, Eugene R., Spencerport, assignor to Ritter Company, Inc., Rochester, N. Y. Electric motor control system. 2,462,249, Feb. 22.

Zimmerman, Charles H., Nichols, and H. J. Rapuano, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Single or multiengined drive for plural airscrews. 2,462,824, Feb. 22.

Zimmerman, Charles H., Nichols, and H. J. Rapuano, Milford, assignors to United Aircraft Corporation, East Hartford, Conn. Automatic declutching means for multiengine drives. 2,462,825, Feb. 22.

Zink, John S., Tulsa, Okla. Burner and burner nozzle. 2,462,704, Feb. 22.

Zweicher, Reinhard: *See*—
Keller, Ernst, and Zweidler.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Prevention of foaming in steam generation. L. O. Gunderson. Re. 23,085, Feb. 22.

Variable delivery rotary pump. J. W. F. Holl. Re. 23,086, Feb. 22.

LIST OF PLANT INVENTIONS

Chrysanthemum plant. G. C. Sparre. 825–7, Feb. 22.

Rose plant. H. C. Swim. 828–9, Feb. 22.

LIST OF DESIGN INVENTIONS

Air blower. W. R. Fox. 152,778, Feb. 22.
Alphabet for forming monograms or the like. S. Reynoso. 152,827, Feb. 22.
Amusement machine or the like, Coin operated. E. Mihalek. 152,816–17, Feb. 22.
Ball pen and knife, Combination. J. M. Weiss. 152,847, Feb. 22.
Band for a watch bracelet or similar article, Extensible. H. J. Duester. 152,774–5, Feb. 22.
Book end. H. E. Kelley, Jr. 152,802, Feb. 22.
Boot, Felt. N. I. Scheu. 152,833, Feb. 22.
Bottle. L. G. Nunes. 152,820, Feb. 22.
Box or the like. H. P. McGovern. 152,814, Feb. 22.
Brooch or similar article. L. L. Hess. 152,783, Feb. 22.
Brooch or similar article. M. L. Petit. 152,823–4, Feb. 22.
Brooch or similar article. M. J. Wakeman. 152,845–6, Feb. 22.
Cabinet, Radio phonograph. L. G. Stone. 152,839–40, Feb. 22.
Carton. J. Binder. 152,765, Feb. 22.
Chair. J. R. Staudt and R. E. Goddard. 152,837, Feb. 22.
Clock. B. Lerman. 152,808, Feb. 22.
Compass, Beam. A. F. Stephen. 152,838, Feb. 22.
Container, Combined hair curler and bobby pin. M. Wajdik. 152,844, Feb. 22.
Container, Deodorant. A. J. Kangas. 152,787, Feb. 22.
Container, Note-pad. A. Kaser. 152,788, Feb. 22.
Dish or the like. J. G. Saba. 152,831, Feb. 22.
Dispenser, Beverage. S. V. Dawson. 152,772, Feb. 22.
Dispenser, Coin. F. A. Wetherill and W. P. Staniszewski. 152,848, Feb. 22.
Display fixture. C. L. Dwinell. 152,777, Feb. 22.
Display sign, Advertising. C. L. Dwinell. 152,776, Feb. 22.
Doll. B. Wagner. 152,842, Feb. 22.
Finding for jewelry. A. Kats. 152,801, Feb. 22.
Fire extinguisher or similar article, Portable. D. Mapes. 152,812, Feb. 22.
Fireplace for outdoor use. Multiple. W. V. Maselli. 152,813, Feb. 22.
Frame, Vehicle. R. A. Noble and W. I. Youngs. 152,819, Feb. 22.
Gas valve unit or similar article, Thermostatic control. M. J. Caparone. 152,769, Feb. 22.
Grater and receptacle, Combined. C. J. Bassett. 152,764, Feb. 22.
Handle, Drawer. A. S. Rummelsburg. 152,829, Feb. 22.
Hat. H. H. Stahl. 152,836, Feb. 22.
Heater, Electric air. F. W. Thompson and R. M. Davies. 152,841, Feb. 22.
High chair, Baby's. D. I. Scharaga. 152,832, Feb. 22.
Holder, Floodlight. W. H. Klein. 152,806, Feb. 22.
Holder or similar article, Glass candle. H. King. 152,804–5, Feb. 22.
Iron, Electric steam. R. I. Huffman. 152,786, Feb. 22.
Ironer, Portable. J. J. Getgey. 152,780, Feb. 22.
Ironing machine, Portable. A. L. Briggs. 152,768, Feb. 22.
Lens, Fog. B. L. Latousek. 152,807, Feb. 22.
Mop head and handle socket, Combination. F. Wagner. 152,843, Feb. 22.
Necklace or similar article. A. Katz. 152,789–800, Feb. 22.
Necktie. N. Keramaris. 152,803, Feb. 22.
Packing material for fragible articles. E. L. Shepard. 152,834, Feb. 22.
Pajama suit or similar article. H. A. Russian. 152,830, Feb. 22.
Regulator, Pressure control. W. J. MacCauley. 152,809, Feb. 22.
Sanding machine. K. C. Atkin. 152,763, Feb. 22.
Scale, Weighing. L. Maguire. 152,810–11, Feb. 22.
Slat, Venetian blind. H. Nelson. 152,818, Feb. 22.
Stand for pitcher and drinking glass set. S. Raysik. 152,826, Feb. 22.
Store front. B. L. Snyder. 152,835, Feb. 22.
Suit. S. Cohen. 152,770, Feb. 22.
Switch, Pushbutton. L. V. A. Guild. 152,782, Feb. 22.
Table and foldable benches, Combination. J. C. Higgins. 152,784, Feb. 22.
Target, Ring-toss game. J. R. O'Neil. 152,821, Feb. 22.
Telephone dialing implement. H. F. Cutler. 152,771, Feb. 22.
Telescope, Binocular. B. D. Ritbols. 152,828, Feb. 22.
Tie clasp. A. Gesten. 152,779, Feb. 22.
Tie clasp or similar article. C. Birnbaum. 152,766, Feb. 22.
Tool, Multiple. E. B. Overshiner. 152,822, Feb. 22.
Tool, Tire expanding. G. E. Gier. 152,781, Feb. 22.
Toy soda fountain. S. P. Midonhas. 152,815, Feb. 22.
Toy vehicle. T. K. Hillard. 152,785, Feb. 22.
Toy water gun. W. E. Braham. 152,767, Feb. 22.
Urn, Coffee. T. C. Donaldson. 152,773, Feb. 22.
Vessel, Cooking. K. B. Porter. 152,825, Feb. 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF FEBRUARY, 1949

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetarylamides, Production of. E. S. Pemberton. 2,462,221, Feb. 22.
Acid esters, Preparation of unsaturated. L. Shechter. 2,462,337, Feb. 22.
Adaptor, Seal. F. E. Payne. 2,462,280, Feb. 22.
Adding device. M. Sieradzki. 2,462,338, Feb. 22.
Agitator, Dice. B. W. Stallard. 2,462,686, Feb. 22.
Air and land conveyance, Convertible. H. D. and H. J. Boggs. 2,462,462, Feb. 22.
Airplane propulsion, Electrical. L. A. Kilgore, F. W. Godsey, Jr., B. A. Rose, and F. B. Powers. 2,462,201, Feb. 22.
Aldehyde-(phenol-phenol ether reaction products) reaction products and producing them. M. T. Harvey. 2,462,636, Feb. 22.
Alkylation and catalyst recovery. R. J. Lee. 2,462,793, Feb. 22.
Alkylation process. F. T. Wadsworth and R. J. Lee. 2,462,792, Feb. 22.
Alloy. E. L. Olcott. 2,462,665, Feb. 22.
Alloys, Hard. E. B. McCauley. 2,462,056, Feb. 22.
Allyl alcohol, Electrolytic production of. J. E. Bludworth, M. O. Robeson, and H. A. Truby, Jr. 2,462,301, Feb. 22.
Alpha, alpha'-thiodialiphatic acids, Making. M. P. Kleinholz. 2,462,200, Feb. 22.
Alpha-keto-dihydronaphthalene, Preparation of. R. Johnson. 2,462,103, Feb. 22.
Amides of acetoacetic acid and their preparation. J. R. Caldwell. 2,462,358, Feb. 22.
Amino acid separation. R. J. Block. 2,462,597, Feb. 22.
Amino acids, Manufacture of. C. Neuberg and H. Lustig. 2,462,124, Feb. 22.
Ammunition making machinery. A. F. Gagne, Jr. 2,462,315, Feb. 22.
Amplifier for small direct currents. J. A. Hipple, Jr., and D. J. Grove. 2,462,190, Feb. 22.
Amplifier, Variable gain. L. R. Yates. 2,462,452, Feb. 22.
Amplitude control. D. S. Renner. 2,462,551, Feb. 22.
Anchor, Single flange rail. F. A. Preston. 2,462,548, Feb. 22.
Angle drill. C. A. Koza. 2,462,647, Feb. 22.
Animal feed. M. F. Gribbins. 2,462,633, Feb. 22.
Anode bar jack. C. J. Klein. 2,462,506, Feb. 22.
Antenna construction. J. W. Shur. 2,462,229, Feb. 22.
Anticut nonstrip-out handle. D. A. Davis. 2,462,168, Feb. 22.
Apparatus for centrifugal castings. W. H. Walter. 2,462,794, Feb. 22.
Apparatus for drying hair. E. R. Elder. 2,462,079, Feb. 22.
Apparatus for filling containers of pressure fluids. E. W. Jacobson, H. O. Creazzi, and J. R. Aikins. 2,462,642, Feb. 22.
Apparatus for forming felt. I. Griffith and A. P. Huchberger. 2,462,487, Feb. 22.
Apparatus for forming glass tubing, rods and the like. E. Danner. 2,462,805, Feb. 22.
Apparatus for making axonometric drawings. W. G. Wilkinson. 2,462,150, Feb. 22.
Apparatus for painting gas holders. L. B. Donovan. 2,462,368, Feb. 22.
Apparatus for receiving frequency-modulated waves. C. T. McCoy. 2,462,759, Feb. 22.
Apparatus for refining zinciferous lead. W. W. Shropshire. 2,462,783, Feb. 22.
Apparatus for saturating fabrics. F. W. Adams. 2,462,297, Feb. 22.
Apparatus for shaping containers. G. C. Erb. 2,462,080, Feb. 22.
Apparatus for sonic pulverization and dispersion of materials. T. Robinson. 2,462,554, Feb. 22.
Apparatus for stretching elastic covers. V. H. Hasselquist. 2,462,318, Feb. 22.
Apparatus for the control of cooling systems. T. J. Lehane and E. H. Burgess. 2,462,514, Feb. 22.
Apparatus for the manufacture of tubular glassware. E. Danner. 2,462,807, Feb. 22.
Apparatus for transferring material. R. N. Thompson. 2,462,691, Feb. 22.
Apparatus for turning wood heels. J. P. and L. G. P. Quirk. 2,462,673, Feb. 22.
Apparatus for uninterrupted reproduction of disk phonograph records. R. E. Stanton. 2,462,435, Feb. 22.
Appliance, Cabinet culinary. M. H. Frisbie. 2,462,080, Feb. 22.
Appliance for stretching gloves or the like. G. Givoni. 2,462,632, Feb. 22.
Aqueous emulsions of polyethylene, Preparing. J. Harmon. 2,462,390, Feb. 22.
Armature shaft winding cap. J. M. England. 2,462,621, Feb. 22.
Aromatic hydrocarbons, Treatment of. H. D. Hartough, A. I. Kosak, and E. E. Reid. 2,462,391, Feb. 22.
Aromatic polyfluoro four-carbon atom ring compounds. P. L. Barrick. 2,462,346, Feb. 22.
Article holder. B. R. Flaherty. 2,462,375, Feb. 22.
Article supporting rack. M. S. Schneider. 2,462,431, Feb. 22.
Articles of manufacture, Producing. J. Boyd and R. A. Bice. 2,462,158, Feb. 22.
Articulated railway vehicle. A. G. Omar. 2,462,666, Feb. 22.
Aryl aso sulfonic acid salts of streptothricin and streptomycin. K. Folkers. 2,462,175, Feb. 22.
Aryl trichlorothio acetates in elastomer treatment. A. T. Hallowell. 2,462,742, Feb. 22.
Ascorbic acids, Preparing. H. H. Bassford, Jr., W. S. Harmon, and J. F. Mahoney. 2,462,251, Feb. 22.
Assembly device for spelling blocks. A. I. Horwitz. 2,462,502, Feb. 22.
Assembly unit, Multiple shielded. E. C. Hallett. 2,462,489, Feb. 22.
Atomizer, Portable. R. C. Seyforth. 2,462,563, Feb. 22.
Attenuator control, Initial. D. S. Renner. 2,462,552, Feb. 22.
Automatic drill press. J. E. Mills. 2,462,327, Feb. 22.
Bag and inflatable pillow, Combined. W. Z. Norman and J. Billig. 2,462,215, Feb. 22.
Bait casting and trolling lure. E. H. Parnell, Sr. 2,462,828, Feb. 22.
Baker's peel. L. Porther. 2,462,672, Feb. 22.
Balance, Hydraulic. L. J. Nowak, Jr. 2,462,216, Feb. 22.
Ball bearings, Making self-aligning. A. L. Spangenberg. 2,462,138, Feb. 22.
Ball transfer, Magnetic. J. A. Swenton. 2,462,235, Feb. 22.
Band, Matrix. H. L. Call. 2,462,356, Feb. 22.
Baptismal apparatus. P. H. Garrett. 2,462,627, Feb. 22.
Battery cable clamp. J. C. Moore. 2,462,660, Feb. 22.
Battery-powered gamma-ray counting rate meter of high sensitivity, Portable. H. C. Spicer. 2,462,140, Feb. 22.
Beacon light. W. A. Pennow. 2,462,222, Feb. 22.
Bearing: *See*—
Hermetically sealed, self-lubricating slide bearing.
Bed sheet construction. B. Berman. 2,462,156, Feb. 22.
Bedstead. M. Mattedi. 2,462,524, Feb. 22.
Bell, Cycle. M. Brun. 2,462,718, Feb. 22.
β-lactones, Preparation of. J. R. Caldwell and H. J. Hagemeyer, Jr. 2,462,357, Feb. 22.
Bicycle knee action, Front wheel. W. W. Barnett. 2,462,711, Feb. 22.
Bicycle, Stabilizable. H. N. Pedersen. 2,462,789, Feb. 22.
Blouse with variable neckline effect. F. Alberich. 2,462,706, Feb. 22.
Bomb band assembly. W. C. Hasselhorn. 2,462,744, Feb. 22.
Boot form. G. L. Van Dinter and W. E. Austin. 2,462,239, Feb. 22.
Box: *See*—
Shipping box.
Bracing device, Freight. W. F. Eisensmith. 2,462,619, Feb. 22.
Bracket: *See*—
Tractor hitch bracket.
Window shade bracket.
Braiding, Method of and apparatus for. B. W. Lerch. 2,462,515, Feb. 22.
Brake: *See*—
One-way expansible band brake.
Brake flap, Air resistant. C. A. Bigelow. 2,462,459, Feb. 22.
Branch holder. R. C. Wallace. 2,462,442, Feb. 22.
Brassière. M. H. Wittenberg. 2,462,295, Feb. 22.
Bridge arrangement, Self-balancing. A. D. Blumlein, W. H. Connell, and D. G. Holloway. 2,462,599, Feb. 22.
Brush. R. S. Herwig. 2,462,055, Feb. 22.
Bucket structure for excavators and loaders. W. G. Van Voorhis. 2,462,790, Feb. 22.
Buckle, Bale tie. J. Hess. 2,462,264, Feb. 22.
Building construction. J. S. Nagel. 2,462,415, Feb. 22.
Building material and its manufacture, Thermal insulating. J. S. Nagel. 2,462,538, Feb. 22.
Burner and burner nozzle. J. S. Zink. 2,462,704, Feb. 22.
Burner of the tray type, Horizontal oil. C. A. Miller. 2,462,529, Feb. 22.

Button. J. Neumann. 2,462,332, Feb. 22.
Button fastener. M. F. Brown, Jr. 2,462,717, Feb. 22.
Cabinet: *See*—
Dispensing cabinet.
Cabinet with refrigerating removable unit, Freezing. H. F. Luecke. 2,462,115, Feb. 22.
Cable: *See*—
Electric cable.
Cable connector. G. C. Thomas, Jr., and C. A. Badeau. 2,462,815, Feb. 22.
Cable insulated with thermoplastic material, Treatment of. J. K. Webb. 2,462,149, Feb. 22.
Cage, Valve. C. E. Bridwell. 2,462,606, Feb. 22.
Calendar with interlaced spiral formations, Rotatable disk, perpetual. R Blodget. 2,462,598, Feb. 22.
Camber adjusting tool. H. V. Jungst. 2,462,403, Feb. 22.
Camera, Continuous process. L. Thompson. 2,462,439, Feb. 22.
Can-marking device. J. Albertoll. 2,462,590, Feb. 22.
Candle holder. T. W. Tierney. 2,462,440, Feb. 22.
Cap: *See*—
Armature shaft winding cap.
Cap. M. A. Dannenberg. 2,462,258, Feb. 22.
Capacitor, High-frequency. C. V. Fields. 2,462,173, Feb. 22.
Carburetor. F. D. Warburton. 2,462,695–6, Feb. 22.
Carrier: *See*—
Folding clothesbasket carrier.
Carton, Bottle. M. A. Riley and D. C. McClelland. 2,462,676, Feb. 22.
Carton closing machine. J. W. Binsack. 2,462,460, Feb. 22.
Case: *See*—
Key case.
Casting, forging, and heat-treating cast iron grinding balls. M. R. Nelson. 2,462,122, Feb. 22.
Catalyst regenerator and recovery apparatus. W. E. Hulsberg. 2,462,193, Feb. 22.
Catalysts for polymerising olefins. M. J. Roedel. 2,462,678, Feb. 22.
Catalytic production of oxo-carbonyl compounds. G. M. Whitman. 2,462,448, Feb. 22.
Cellulose derivative combined with n-alkoxymethyl polyamide. R. L. Brown. 2,462,159, Feb. 22.
Centrifugal machine, Continuous. J. Hertrich. 2,462,098, Feb. 22.
Chain: *See*—
Nonskid tire chain.
Chair: *See*—
Modernistic spring metal Spring oscillating chair.
folding chair.
Chair for infants, Convertible. R. F. Reiman. 2,462,675, Feb. 22.
Cherry stemming and sorting machines. H. M. Schubert. 2,462,682, Feb. 22.
Chlorstone, Manufacture of. G. A. Harrington. 2,462,369, Feb. 22.
Chlorine dioxide and nitrogen trichloride, Simultaneous production of. W. S. Hutchinson. 2,462,194, Feb. 22.
Chromium plating and treating steel airplane propeller blades. G. Dubpernell. 2,462,615, Feb. 22.
Chuck. M. L. Benjamin and F. E. Winnen. 2,462,155, Feb. 22.
Chuck. K. Rauch. 2,462,284, Feb. 22.
Chuck, Diaphragm. G. and E. F. Hohwart. 2,462,501, Feb. 22.
Chuck for lathes and the like machine tools. S. L. Casella. 2,462,465, Feb. 22.
Cigarette holder. H. C. Newcom. 2,462,333, Feb. 22.
Cigarette or tobacco package and ash tray, Combined. T. J. Bryan. 2,462,160, Feb. 22.
Circuit breaker. W. D. Kyle, Jr., and A. Van Ryan. 2,462,753, Feb. 22.
Circuit breaker. E. G. Wise. 2,462,244, Feb. 22.
Circuit for electric discharge devices, Starting and operating. W. F. Hodge. 2,462,320, Feb. 22.
Circuit interrupter. B. P. Baker and W. M. Leeds. 2,462,708, Feb. 22.
Circuit interrupter. J. M. Cumming. 2,462,724, Feb. 22.
Circuit interrupter. G. J. Easley. 2,462,733, Feb. 22.
Circuit interrupter. O. von Mehren. 2,462,791, Feb. 22.
Circuit interrupter. J. R. and H. J. Webb. 2,462,795, Feb. 22.
Circuits for electric discharge devices, Starting and operating. R. V. Mills, M. G. Clarke, and H. R. Ruff. 2,462,328, Feb. 22.
Circuits for generating electric impulses. F. H. Bray and F. E Newton. 2,462,066, Feb. 22.
Circuits, Rate. P. Halpert, C. A. Frische, J. L. Bird, and O. E. Esval. 2,462,095, Feb. 22.
Clamp: *See*—
Battery cable clamp. Pipe clamp.
Clamp. H. Cohen. 2,462,721, Feb. 22.
Clasp, Tie. J. F. Fontaine. 2,462,483, Feb. 22.
Cleaning composition for rust-stained lacquered surfaces. B. K. Tremaine. 2,462,341, Feb. 22.
Clutch and brake mechanism. J. W. McNairy. 2,462,657, Feb. 22.
Coating apparatus for wires, filaments, and the like. J. K. Delano. 2,462,474, Feb. 22.
Coating compositions. L. D. Gittings and R. H. Fundaburk. 2,462,631, Feb. 22.
Coating of metal articles, Electrophoretic. L. F. Oakes. 2,462,125, Feb. 22.
Coatings for fresh frozen meats, Protective. H. S. Mitchell, L. M. Kay, A. S. Hartanov, and J. M. Ramsbottom. 2,462,760, Feb. 22.
Coatings for metal surfaces, Protective phosphate. G. W. Jernstedt. 2,462,196, Feb. 22.
Coil-winding machine. N. M. Haynes. 2,462,393, Feb. 22.
Collapsible hanger. A. Rosen. 2,462,778, Feb. 22.
Collar and tie holder. R. C. Erdmann. 2,462,311, Feb. 22.
Comb, Hair cutting. W. M. Mansfield. 2,462,519, Feb. 22.
Communication system. J. R. Desch, E. V. Gulden, and R. E. Mumma. 2,462,613, Feb. 22.
Communication system utilizing damped oscillations, High-frequency electrical. W. A. Beatty. 2,462,061, Feb. 22.
Compact, Shoe polish. W. J. Bowen and W. R. White. 2,462,065, Feb. 22.
Compensator control for pumps. J. F. Hoffer. 2,462,500, Feb. 22.
Composite articles, Making. S. K. Wellman. 2,462,821, Feb. 22.
Composition comprising an amide-aldehyde resin and as a plasticiser a polyester of a dihydric ether of propylene glycol and dicarboxylic acid. E. W. Moffett. 2,462,658, Feb. 22.
Compressed wire mesh unit. A. M. Goodloe. 2,462,316, Feb. 22.
Compressor, Air. C. D. MacCracken. 2,462,518, Feb. 22.
Computer, Electronic. G. A. Morton and L. E. Flory. 2,462,275, Feb. 22.
Concentrations of gases, Automatically measuring. M. D. Thomas. 2,462,293, Feb. 22.
Concentric shell hot-air heater. S. J. Heiman. 2,462,395, Feb. 22.
Condensation products of pentaerythrityltetramine with beta-diketones and beta-hydroxy methylene ketones. C. J. Pedersen and F. B. Downing. 2,462,668, Feb. 22.
Condenser. H. E. Byer. 2,462,355, Feb. 22.
Condenser for picture projection units, Light. G. T. Johnson. 2,462,749, Fe. 22.
Condensers or the like for heat exchange apparatus, Producing. N. Kramer. 2,462,511, Feb. 22.
Conduits for corrosive fluids, Fabrication of. L. J. Wilcox. 2,462,699, Feb. 22.
Connecting wires to terminals, Electrically. J. R. Pheasey and R. J. M. Andrews. 2,462,127, Feb. 22.
Connection for electric incandescent lamps, Filament. L. G. Leighton. 2,462,325, Feb. 22.
Connector: *See*—
Cable connector.
Electrical snap-on wire connector.
Connector. L. E. Sauer. 2,462,227, Feb. 22.
Connector assembly for absorption refrigerators, Flue. C. D. Pfender, A. Schultze, and C. J. Knerr. 2,462,671, Feb. 22.
Construction of structural members. D. H. Green. 2,462,395, Feb. 22.
Container and lighter, Cigarette dispensing. F. Stein. 2,462,231, Feb. 22.
Contour-stitching machines, Automatic. S. Schiller. 2,462,559, Feb. 22.
Contraction joint assembly. A. E. Brickman. 2,462,353, Feb. 22.
Control apparatus for periodically energizing gaseous discharge devices. H. A. Engle. 2,462,371, Feb. 22.
Control circuits. J. E. Young and W. E. McCown. 2,462,799, Feb. 22.
Control means. J. M. Stein. 2,462,232, Feb. 22.
Control means for running web, Tension. J. S. Scheuermann and T. N. Carter. 2,462,558, Feb. 22.
Control plate for filter cartridges. E. G. Gunn. 2,462,488, Feb. 22.
Control system. W. B. Heins, A. E. Kittredge, and J. G. Williams. 2,462,097, Feb. 22.
Control system and operation, Electrical. J. W. Peeples. 2,462,546, Feb. 22.
Control system, Antihunt servomotor. A. V. Bedford. 2,462,456, Feb. 22.
Controller for electric motor-driven traveling devices. E. U. Lassen. 2,462,755, Feb. 22.
Conveyer, Seeder. J. A. Mueller. 2,462,276, Feb. 22.
Cooling arrangement for dynamoelectric machines. C. W. Lange. 2,462,649, Feb. 22.
Copolymers of dihydrodicyclopentadienyl methacrylate with esters of methacrylic acid. F. W. Hoover. 2,462,400, Feb. 22.
Copolymers of multiolefins with vinyl ethers and making same. D. W. Young and W. J. Sparks. 2,462,703, Feb. 22.
Copolymers of styrene and 4,4'-divinylbiphenyl. F. Rosenthal. 2,462,555, Feb. 22.
Copolymers of tetra-allyl pentaerythritol. L. T. Smith. 2,462,817, Feb. 22.
Copyholder. E. H. Metcalf. 2,462,273, Feb. 22.
Corer, Apple and pear. C. A. Matle. 2,462,411, Feb. 22.
Corrosion inhibiting process. H. C. Hetherington. 2,462,638, Feb. 22.
Cosmetic blend predetermining device. J. Brodeur. 2,462,606, Feb. 22.
Cot, Finger. W. Meyer. 2,462,208, Feb. 22.
Cot, Foldable. P. Sproll. 2,462,685, Feb. 22.
Cotton picker. L. W. Gant. 2,462,177, Feb. 22.

Coumarone-indene resin stabilized with an alkyl polyhydroxy spiro indane. S. G. Burroughs. 2,462,608, Feb. 22.
Coupling: *See*—
Pipe coupling. Turbine pump type hydraulic coupling.
Release coupling.
Shaft coupling.
Coupling for fluid conducting lines, Valved. H. C. Krone and W. Meyer. 2,462,512, Feb. 22.
Cover: *See*—
Insulating cover.
Cover for open tissue roll holders. R. I. Price. 2,462,776, Feb. 22.
Cover holder. T. P. Stone. 2,462,688, Feb. 22.
Cover lifter. W. W. Guffey, J. P. Mihelic, H. V. Piper, and T. Engvtrom. 2,462,387, Feb. 22.
Crystalline anhydrous monocalcium phosphate, Manufacture of. W. H. Knox, Jr., R. T. Cochran, W. R. Crudup, and W. S. Miller. 2,462,104, Feb. 22.
Cultivator, Field. W. A. Hyland. 2,462,641, Feb. 22.
Cup, Ice-cream. A. A. Heyman. 2,462,497, Feb. 22.
Cup, Teat. A. C. Welby. 2,462,583, Feb. 22.
Curling stone. R. G. Stewart. 2,462,436, Feb. 22.
Cushion, Convertible. A. W. Krempel. 2,462,269, Feb. 22.
Cutter: *See*—
Outside pipe cutter.
Cutting machine and method, Wool. C. E. Galvin. 2,462,090, Feb. 22.
Cyclic polymeric organoaminosilanes. C. P. Haber. 2,462,835, Feb. 22.
Cylinder construction, Thermally equalized. H. P. Sparkes. 2,462,139, Feb. 22.
Declutching means for multi-engine drives, Automatic. C. H. Zimmerman and H. J. Rapuano. 2,462,825, Feb. 22.
Demodulation of time-modulated electrical pulses. M. M. Levy. 2,462,110, Feb. 22.
Demodulator system for time modulated pulses. M. G. Hollabaugh. 2,462,100, Feb. 22.
Desiccants, Manufacture of. R. C. Wilson, Jr. 2,462,798, Feb. 22.
Detector for looms, Electric weft. J. C. Manoog and W. H. Wakefield. 2,462,326, Feb. 22.
Detector, Radiation. K. C. Crumrine. 2,462,471, Feb. 22.
Detergent compositions, Synthetic. J. D. Malkemus. 2,462,758, Feb. 22.
Device for mounting selective multiple pulleys upon an electric motor drive shaft. B. Dowick. 2,462,476, Feb. 22.
Device for treating timber. C. J. Gregory. 2,462,486, Feb. 22.
Diacetyl, Preparation of. T. Kritchevsky. 2,462,107, Feb. 22.
Discharge device and associated circuit, Electron. N. I. Korman. 2,462,510, Feb. 22.
Discharge device and operation, Electric. H. R. Ruff. 2,462,336, Feb. 22.
Discharge device, Electrical. D. A. Wilbur. 2,462,698, Feb. 22.
Discharge device, Electron. H. A. Andresen. 2,462,153, Feb. 22.
Discharge device, Electron. J. H. Fremlin and S. G. Tomlin. 2,462,086, Feb. 22.
Discharge device, Electron. E. W. Herold. 2,462,496, Feb. 22.
Discharge device, Electron. W. V. Smith. 2,462,137, Feb. 22.
Discharge device for electronic multiplication, Electronic. M. Arditi. 2,462,059, Feb. 22.
Discharge device of the velocity modulation type, Electron. J. H. Fremlin. 2,462,087, Feb. 22.
Discharge device, Space. L. A. Wooten. 2,462,245, Feb. 22.
Dispensing cabinet. C. Schner, Jr., and F. Zeiser. 2,462,816, Feb. 22.
Dispensing device, Insecticide. E. A. Stretz. 2,462,689, Feb. 22.
Dispensing mechanism. S. J. Heiman. 2,462,394, Feb. 22.
Display device, Shoe or boot. C. M. Bye. 2,462,611, Feb. 22.
Distance measuring device having photoelectric means, Light interference. R. L. Snyder, Jr. 2,462,292, Feb. 22.
Distributor system, Multichannel pulse. M. M. Levy. 2,462,111, Feb. 22.
Divider, Frequency. C. J. Hirsch. 2,462,265, Feb. 22.
Dl-menthone, Preparation of. A. L. Barney. 2,462,712, Feb. 22.
Doffing mechanism for cotton harvesters. C. B. Berry. 2,462,800, Feb. 22.
Door-cupboard and tray. O. C. Handel. 2,462,743, Feb. 22.
Doorstop. B. E. Fisher. 2,462,174, Feb. 22.
Drafting machine. Charles Henry and Charles Hubbard Little. 2,462,271, Feb. 22.
Drainage apparatus, Automatic. C. O. De Witt. 2,462,614, Feb. 22.
Dress, Maternity. H. E. Reno. 2,462,553, Feb. 22.
Drill: *See*—
Angle drill.
Drive for plural airscrews, Single or multiengined. C. H. Zimmerman and H. J. Rapuano. 2,462,824, Feb. 22.
Drive mechanism, Grain blower. E. J. Wondra. 2,462,588, Feb. 22.
Dual action switch. W. B. Harrison, Jr. 2,462,495, Feb. 22.
Dyeing glass fibers. H. Roesti. 2,462,428, Feb. 22.
Dynamoelectric machine. M. P. Winther. 2,462,451, Feb. 22.
Electrical snap-on wire connector. S. E. Wright. 2,462,247, Feb. 22.
Electric cable. W. T. Peirce. 2,462,770, Feb. 22.
Electric fluid heater. H. C. Inman. 2,462,746, Feb. 22.
Electric switch. A. Rappl. 2,462,777, Feb. 22.
Electrical switch. G. W. Rathert. 2,462,283, Feb. 22.
Electrical switch. N. J. Rees. 2,462,285, Feb. 22.
Electrode, Electric arc cutting. R. H. F. Boot. 2,462,463, Feb. 22.
Electromagnet with plunger. C. T. Evans. 2,462,482, Feb. 22.
Elevated tank. G. T. Horton. 2,462,101, Feb. 22.
Elevator position indicator. J. R. Schoenbaum. 2,462,781, Feb. 22.
Eliminating porosity in crystalline selenium films. W. E. Blackburn. 2,462,157, Feb. 22.
Embalming apparatus. J. H. Eckels. 2,462,617, Feb. 22.
Emulsion of petroleum oil and aqueous solution containing added alkali metal salts of cresols, Separation of an. L. L. Ferguson. 2,462,810, Feb. 22.
Engine: *See*—
Multicylinder engine. Opposed piston engine.
Engine output equalizing apparatus, Multiple. A. G. Larson. 2,462,550, Feb. 22.
Erecting system for gyroscopes. C. L. Norden. 2,462,541, Feb. 22.
Esters, Manufacture of. F. O. Cockerille. 2,462,163, Feb. 22.
Etching method. G. W. Jernstedt. 2,462,197, Feb. 22.
Evaporator having refrigerant recirculation means. H. G. Mojonnier. 2,462,320, Feb. 22.
Explosive device. J. P. Catlin. 2,462,305, Feb. 22.
Extractor, Tap. D. Thomas. 2,462,438, Feb. 22.
Fastener: *See*—
Button fastener. Rail fastener.
Fastening device. R. M. Storer. 2,462,141, Feb. 22.
Fastening means for wood ties, Rail. J. K. Wedgworth. 2,462,582, Feb. 22.
Ferro magnetic variable high-frequency inductors. W. J. Polydoroff. 2,462,423, Feb. 22.
Filing machine, Saw. A. R. Roderick. 2,462,225, Feb. 22.
Film handling apparatus and magazine for use therewith. W. D. Foster. 2,462,083, Feb. 22.
Film holder. M. A. Bilofsky. 2,462,713, Feb. 22.
Film magazine. R. J. Stava. 2,462,687, Feb. 22.
Filter: *See*—
Gasoline filter. Water filter.
Fire escape, Portable. J. E. Forster. 2,462,626, Feb. 22.
Fireproofing compositions. K. S. Campbell and J. E. Sands. 2,462,803, Feb. 22.
Fish bait, Artificial. O. Tallaksen. 2,462,437, Feb. 22.
Fishhook supporting frame. L. E. Sauvey. 2,462,290, Feb. 22.
Fishing reel. F. Crawford. 2,462,365, Feb. 22.
Fitting, Detachable hose. P. F. Hurst. 2,462,323, Feb. 22.
Fitting, Diversion blind. G. A. Duggan. 2,462,731, Feb. 22.
Fitting, Pipe. L. S. Hamer. 2,462,494, Feb. 22.
Fixture, Circular-line fluorescent lighting. H. E. Bohl. 2,462,714, Feb. 22.
Fixture for valves, Leak testing. A. MacLachlan. 2,462,116, Feb. 22.
Flexible joint. F. N. Bard. 2,462,592, Feb. 22.
Fluid pump. C. F. Hautau. 2,462,392, Feb. 22.
Fluid valve. G. J. Koehler. 2,462,646, Feb. 22.
Fluidization process for producing aluminum. J. C. Munday. 2,462,661, Feb. 22.
Fluorinated hydrocarbons. R. M. Joyce, Jr. 2,462,402, Feb. 22.
Folding clothesbasket carrier. W. F. Meyer. 2,462,274, Feb. 22.
Folding machine and method, Box. W. M. Kucklinsky. 2,462,513, Feb. 22.
Folding table. C. H. Roberts. 2,462,677, Feb. 22.
Formaldehyde, Production of. W. B. Meath. 2,462,413, Feb. 22.
Forming printing plates. B. F. Terry. 2,462,570, Feb. 22.
Frame: *See*—
Fishhook supporting Welded motor frame.
frame.
Frames for supporting and rotating long cylindrical vessels during welding, Bench. H. Yates. 2,462,702, Feb. 22.
Free piston machine provided with pneumatic starting means. H. B. Horgen. 2,462,745, Feb. 22.
Frequency control, Automatic. L. E. Thompson. 2,462,294, Feb. 22.
Frequency modulating device. L. de Forest. 2,462,367, Feb. 22.
Funnel, Dropping. W. Rosenthal. 2,462,556, Feb. 22.
Furfuryl alcohol-resorcinol resin composition. J. Delmonte. 2,462,054, Feb. 22.

Furnace, refractory construction. W. F. Rochow. 2,462,
Holder: *See*—
Light: *See*—
Musical vibration translating unit. B. Minshall. 2,462,531, Feb. 22.

Furnace refractory construction. W. F. Rochow. 2,462,289, Feb. 22.
Fuse. D. R. Beeman. 2,462,062, Feb. 22.
Game device. S. M. Klyver. 2,462,507, Feb. 22.
Garment. T. B. McLaughlin. 2,462,414, Feb. 22.
Garment for infants. N. V. Condon. 2,462,165, Feb. 22.
Garment, Maternity panty. I. W. Jacobson. 2,462,195, Feb. 22.
Gas-cleaning means. C. C. Whittaker. 2,462,797, Feb. 22.
Gas producer. M. F. Charrier. 2,462,720, Feb. 22.
Gas regulating device for firearms. C. A. Moore. 2,462,119, Feb. 22.
Gas tube with starting electrode, Cold-cathode. P. W. Stutsman. 2,462,142, Feb. 22.
Gasket centering means. W. T. Nardin. 2,462,762, Feb. 22.
Gasket, Radio shielding sealing. A. A. Pierson. 2,462,334, Feb. 22.
Gasoline filter. A. Hagen. 2,462,740, Feb. 22.
Gauge: *See*—
Height gauge. T-square gauge.
Modified plug gauge. Wind-pressure gauge.
Gear shifting mechanism. R. C. Russell. 2,462,779, Feb. 22.
Gearing, Annular floating toothed. B. G. W. Bartlett. 2,462,455, Feb. 22.
Generator: *See*—
Oscillation generator.
Synchronized pulse generator.
Germanium films, Forming. V. J. Schaefer. 2,462,681, Feb. 22.
Getter structure. L. Reiner. 2,462,813, Feb. 22.
Glassware forming apparatus. E. Danner. 2,462,806, Feb. 22.
Glassware, Manufacture of tubular. E. Danner. 2,462,808, Feb. 22.
Glove or the like. R. Steinberg. 2,462,787, Feb. 22.
Golf club. H. C. Lagerblade and D. J. Root. 2,462,754, Feb. 22.
Governor, Fluid velocity. H. T. Snell. 2,462,785, Feb. 22.
Granular materials, Heating of. C. Davies, Jr., and R. York, Jr. 2,462,366, Feb. 22.
Grinder, Feed. P. Paetow. 2,462,542, Feb. 22.
Grinding machine. J. Martin. 2,462,522, Feb. 22.
Growth promoting substances, Preparation of. R. J. Williams. 2,462,449, Feb. 22.
Guard, Abrasive wheel. L. J. H. Ballinger. 2,462,710, Feb. 22.
Guard, Boxcar. M. Dyke. 2,462,309, Feb. 22.
Guide means for rotary oscillating pistons of expansible chamber meters. C. P. Bergman. 2,462,063, Feb. 22.
Guide, Warp. T. E. Watson. 2,462,581, Feb. 22.
Gun, Dual spray. E. Gustafsson and H. L. Striegel. 2,462,262, Feb. 22.
Gun sight. F. A. Daniels. 2,462,307, Feb. 22.
Gun, Spear. M. J. Zbar. 2,462,248, Feb. 22.
Gun, Spray. D. J. Peeps. 2,462,419, Feb. 22.
Gun, Well perforating. A. L. Smith. 2,462,784, Feb. 22.
Handle: *See*—
Anticut nonstrip-out handle.
Handle bar for motor cycles and the like, Spring. A. Gazda. 2,462,381, Feb. 22.
Hanger: *See*—
Collapsible hanger.
Harvesting means, Beet. D. J. Roach, A. A. Clark, and G. W. Rienks. 2,462,128, Feb. 22.
Hasp keeper, Safety. T. H. Mason. 2,462,523, Feb. 22.
Headwear, Rainproof. I. E. Rosenau. 2,462,679, Feb. 22.
Heat exchanger and making same. S. H. Smith. 2,462,136, Feb. 22.
Heat exchanger, Crossflow. P. A. Pitt. 2,462,421, Feb. 22.
Heat pump means for controlling the temperature of the walls of a room. C. M. Santee. 2,462,557, Feb. 22.
Heat stable compositions comprising polymeric vinylidene chloride and phenothioxine or certain derivatives thereof. R. F. Boyer, L. A. Matheson, and R. C. Reinhardt. 2,462,352, Feb. 22.
Heat treating. J. Kniveton. 2,462,202, Feb. 22.
Heater: *See*—
Concentric shell hot-air heater. Electric fluid heater.
Heating element. D. W. Browne. 2,462,607, Feb. 22.
Height gauge. J. Bauer and A. Schittelbauer. 2,462,350, Feb. 22.
Helicopter rotor, Jet propelled. A. R. Wilcox. 2,462,587, Feb. 22.
Hermetically sealed, self-lubricating slide bearing. G. C. Molotzak. 2,462,659, Feb. 22.
Hexaethyl tetraphosphate, Producing. H. Adler. 2,462,057, Feb. 22.
Hinge or the like, Tamperproof. E. L. Berkson. 2,462,300, Feb. 22.
Hitch, Adjustable binder. C. L. Conrow. 2,462,469, Feb. 22.
Hobbyhorse. H. Kuppin. 2,462,648, Feb. 22.
Hoist control, Skip. G. Fox. 2,462,484, Feb. 22.
Holder: *See*—
Article holder. Film holder.
Branch holder. Nursing bottle holder.
Candle holder. Shirt and trouser holder.
Cigarette holder. Two-piece plastic loose-leaf memorandum sheet holder.
Collar and tie holder.
Cover holder.
Holder and crucible, Crucible. J. Frei, Jr. 2,462,259, Feb. 22.
Holder and punch, Nail. N. J. Pollock. 2,462,774, Feb. 22.
Holder for fastener attaching means. C. D. Buckley. 2,462,802, Feb. 22.
Holder with safety lock, Plate. M. Schwartz and W. Castedello. 2,462,683, Feb. 22.
Hone for reconditioning cutters in pencil sharpeners. W. H. Fryar. 2,462,176, Feb. 22.
Hot top blocking. L. J. Garma. 2,462,260, Feb. 22.
Housing for gas burner grills, Safety. J. Myklatiuk. 2,462,537, Feb. 22.
Housing for ignition coils and filters, Shielded. E. C. Hallett. 2,462,490, Feb. 22.
Hydraulic fluid, Nonflammable. K. E. Walker. 2,462,694, Feb. 22.
Hydrocarbon conversion reactions, Recovery of products of. M. H. Gorin and W. Swerdloff. 2,462,384, Feb. 22.
Hydrofluorination of unsaturated organic compounds. J. D. Calfee and F. H. Bratton. 2,462,359, Feb. 22.
Hydrogen fluoride-boron trifluoride catalysts, Recovery of. W. F. Gresham. 2,462,739, Feb. 22.
Implement, Silicone surfaced cooking. P. S. Webb and J. R. Koster. 2,462,242, Feb. 22.
Incorporating antioxidants into synthetic rubbery isobutylene polymers. J. F. Nelson. 2,462,123, Feb. 22.
Indene and alkyl indene resins, Stabilized. F. J. Soday. 2,462,684, Feb. 22.
Indene resin stabilized with an alkyl polyhydroxy spiro indane. S. G. Burroughs. 2,462,609, Feb. 22.
Indicating device, Speed. L. C. McHenry. 2,462,655, Feb. 22.
Indicator: *See*—
Elevator position indicator.
Indicator attachment for machine tools. A. Rosenow. 2,462,226, Feb. 22.
Indicator for automobiles, Curb line. A. D. McLendon. 2,462,656, Feb. 22.
Induction apparatus, Electric. H. W. Lord. 2,462,651, Feb. 22.
Inductor alternator. J. M. Momberg. 2,462,761, Feb. 22.
Inhaler for treating sinus and hay fever and sealing a medicament therein. G. T. Davisson. 2,462,169, Feb. 22.
Instrument, Control. E. M. Smith. 2,462,566, Feb. 22.
Insulating cover. W. M. Charman and B. F. Anthony. 2,462,255–6, Feb. 22.
Insulating material. E. L. Schulman and R. D. Jerabek. 2,462,228, Feb. 22.
Insulator, Hermetically sealed electric. P. K. Chatterjea and S. J. Powers. 2,462,070, Feb. 22.
Interlocking system, Electrical safety. J. B. Grover. 2,462,094, Feb. 22.
Irish moss extract and its production. M. P. Hess and A. E. Siehrs. 2,462,398, Feb. 22.
Iron: *See*—
Soldering iron.
Jack: *See*—
Anode bar jack. Stope jack.
Jack accessory. A. H. Peglow. 2,462,418, Feb. 22.
Jack for Diesel engines, Cranking. J. H. Kobbe. 2,462,509, Feb. 22.
Jacket construction. B. F. Cassens. 2,462,361, Feb. 22.
Jar and bottle combined, Vacuum. M. F. Bird. 2,462,461, Feb. 22.
Jewelry and clasp therefor, Article of. I. Pratt and W. B. Wollman. 2,462,425, Feb. 22.
Jig for forming mitered pipe joints. G. Muhlack. 2,462,121, Feb. 22.
Jig, Spot facing. W. T. Waller. 2,462,147, Feb. 22.
Joining and registering device for molding boxes. B. Faure. 2,462,373, Feb. 22.
Joint: *See*—
Flexible joint. Safety joint.
Pipe joint. Universal joint.
Joint for shafts. E. E. Wallace. 2,462,574, Feb. 22.
Key case. A. W. Magee. 2,462,206, Feb. 22.
Kite, Water. A. P. Steckel. 2,462,568, Feb. 22.
Knitting. E. Johnson. 2,462,401, Feb. 22.
Lamp device. J. Schwab. 2,462,562, Feb. 22.
Lampstand with bell, Ornamental. I. Klein. 2,462,750, Feb. 22.
Latch: *See*—
Tire chain latch.
Latching mechanism. J. Pickford. 2,462,282, Feb. 22.
Lathe attachment. T. D. Peat. 2,462,126, Feb. 22.
Lead extrusion. W. K. Freeman. 2,462,313, Feb. 22.
Lid for containers, Airtight. H. Weiss. 2,462,445, Feb. 22.
Lifter: *See*—
Cover lifter.
Lifter for cloth cutting machines, Cloth. M. Green. 2,462,317, Feb. 22.

Light: *See*—
Beacon light.
Light bulb stem and socket. J. B. Miller. 2,462,530, Feb. 22.
Lighter. H. J. Sudbrink. 2,462,148, Feb. 22.
Lighter, Pyrophoric. C. C. Clamp. 2,462,467, Feb. 22.
Liquid treating apparatus. J. R. Craig. 2,462,612, Feb. 22.
Loading device, Litter. H. S. Hamilton. 2,462,096, Feb. 22.
Lock: *See*—
Tractor fifth-wheel safety lock.
Lock mechanism. H. J. Feldmann. 2,462,827, Feb. 22.
Locking device. H. Cohen. 2,462,164, Feb. 22.
Locking device, Threaded. E. R. Boots. 2,462,603, Feb. 22.
Locking device, Window. B. P. Sparks. 2,462,434, Feb. 22.
Locking means for a hinged impact mass or weight for marine equipment. J. Kahl. 2,462,268, Feb. 22.
Lubricating oils, Preparing. P. H. Carnell. 2,462,360, Feb. 22.
Luminaire. F. C. Winkler and B. A. Wyman. 2,462,243, Feb. 22.
Luminescent materials, Manufacture of. H. W. Leverenz. 2,462,517, Feb. 22.
Machine for marking the surface of a column of plastic materials. F. I. Gase. 2,462,628, Feb. 22.
Magnesium oxide, Preparing an activated. J. J. Naugle. 2,462,277, Feb. 22.
Maleic anhydride from maleic acid, Production of. J. M. Weiss. 2,462,444, Feb. 22.
Manganese values from manganese ores, Recovering. R. D. Hoak. 2,462,499, Feb. 22.
Material serving apparatus. Y. A. Bouget. 2,462,303, Feb. 22.
Mattress. L. W. Warner. 2,462,579, Feb. 22.
Measuring device and method, Area. M. Blau and J. R. Carlin. 2,462,351, Feb. 22.
Measuring thickness of curved sections and apparatus therefor. H. Friedman. 2,462,088, Feb. 22.
Mechanism for carbines, Automatic. R. Rudd. 2,462,130, Feb. 22.
Member for socket wrenches, Manipulating. E. L. Deck. 2,462,729, Feb. 22.
Metal-glass seals, Making. R. R. Machlett and G. W. Steen. 2,462,205, Feb. 22.
Metal products and making same, Radioactive. C. W. Wallhausen and H. H. Dooley. 2,462,241, Feb. 22.
Metal surfaces and producing same, Protectively coated ferrous. V. C. J. Nightingall. 2,462,763, Feb. 22.
Meter: *See*—
Phase angle meter.
Phase-sensitive self-balancing frequency meter.
Meter resetting mechanism, Parking. F. C. Burum. 2,462,610, Feb. 22.
Methyl siloxanes, Making. J. F. Hyde. 2,462,640, Feb. 22.
Micrometer, Divider setting. F. E. Zehring. 2,462,589, Feb. 22.
Mixer and cooler for drinks, Combined. J. Loyes. 2,462,757, Feb. 22.
Modernistic spring metal folding chair. V. Q. Flinn. 2,462,377, Feb. 22.
Modified plug gauge. P. A. Penjaska. 2,462,545, Feb. 22.
Modulator. E. S. Grimes. 2,462,093, Feb. 22.
Moistureproof, heat-sealable wrapping material and process. P. M. Hauser. 2,462,185, Feb. 22.
Moisture removing device for deep freezers. R. O. Abeling. 2,462,705, Feb. 22.
Molding machine, Injection. R. W. Dinzl. 2,462,308, Feb. 22.
Monomeric fluorine compounds containing a four-carbon atom ring. P. L. Barrick. 2,462,345, Feb. 22.
Motor: *See*—
Quiet single-phase motor.
Motor construction. R. W. Esarey. 2,462,172, Feb. 22.
Motor control system. G. E. Stoltz. 2,462,233, Feb. 22.
Motor control system, Electric. E. R. Ziegler. 2,462,249, Feb. 22.
Motor control system, Generator for. J. R. Erbe and G. A. Caldwell. 2,462,171, Feb. 22.
Motor having coaxial counterrotating shafts. D. A. Guerdan and J. E. Bluman. 2,462,182, Feb. 22.
Motor rotor, Induction. R. G. Le Tourneau. 2,462,516, Feb. 22.
Motor shaft. E. C. Horton and E. V. Schaal. 2,462,192, Feb. 22.
Motor with bore-centered bearings, Electric. L. R. Ludwig. 2,462,204, Feb. 22.
Mounting: *See*—
Oscillator tube mounting.
Mounting means for vacuum tubes. F. R. Farrow, Jr. 2,462,622, Feb. 22.
Mounting of filaments in vacuum tubes. C. H. Foulkes. 2,462,084, Feb. 22.
Moving picture film reel. J. M. Goldberg. 2,462,261, Feb. 22.
Multicylinder engine. G. R. Hamel. 2,462,492, Feb. 22.
Multiple-clutch mechanism. J. O. Berndtson. 2,462,457, Feb. 22.
Multiposition switch. J. F. Beal. 2,462,594, Feb. 22.
Musical vibration translating unit. B. Minshall. 2,462,531, Feb. 22.
N,N' dimethylethanolamine, Preparation of. W. F. Gresham. 2,462,736, Feb. 22.
Navigation system. W. J. O'Brien. 2,462,764, Feb. 22.
Navigational system. L. G. Duggar. 2,462,077, Feb. 22.
Needle, Circular knitting. V. M. Delaney. 2,462,478, Feb. 22.
Nonskid device for automobiles. C. H. Welch. 2,462,584, Feb. 22.
Nonskid tire chain. F. G. Fox. 2,462,378, Feb. 22.
Nursing bottle holder. M. A. Helixon. 2,462,187, Feb. 22.
Oil containing an anti-oxidant, Lubricating. L. T. Eby and L. A. Mikeska. 2,462,616, Feb. 22.
Oil soluble petroleum sulfonates, Preparation of. P. M. Ruedrich. 2,462,829, Feb. 22.
Oleaginous materials, Stabilization of. F. A. Norris. 2,462,663–4, Feb. 22.
1,4-dicyano-2-butene, Preparation of. G. F. Hager. 2,462,388, Feb. 22.
One-way expansible band brake. F. N. Smith. 2,462,565, Feb. 22.
Opener, Can. A. E. Nelson. 2,462,416, Feb. 22.
Operating mechanism for electrical switches. A. M. Trogner. 2,462,842, Feb. 22.
Opposed piston engine. G. B. Gehrandt. 2,462,092, Feb. 22.
Organic compound polymerization process. M. M. Brubaker and R. A. Jacobson. 2,462,354, Feb. 22.
Organic compounds, Stabilization of. R. B. Thompson and J. A. Chenicek. 2,462,237, Feb. 22.
Organic oxygen-containing compounds, Synthesis of. W. F. Gresham. 2,462,738, Feb. 22.
Organic thiocyanates and isothiocyanates, Preparation of. N. E. Searle. 2,462,433, Feb. 22.
Organo-siloxane polymers and preparing them. J. F. Hyde. 2,462,267, Feb. 22.
Oscillation generator. C. W. Earp. 2,462,078, Feb. 22.
Oscillator tube mounting. F. H. Drake. 2,462,870, Feb. 22.
Oscillator, Ultra high frequency. J. H. Fremlin. 2,462,085, Feb. 22.
Outside pipe cutter. W. W. Smith. 2,462,230, Feb. 22.
Pacifier. N. P. Steckler. 2,462,786, Feb. 22.
Packer and weigher with jigging device, Bag. H. S. Rhodes. 2,462,286, Feb. 22.
Packing. A. J. Bent. 2,462,596, Feb. 22.
Pad: *See*—
Protector pad.
Pan with painted exterior surfaces, Tin coated baking. J. H. Debs. 2,462,728, Feb. 22.
Parachute. L. E. Supina. 2,462,234, Feb. 22.
Pedal and switch, Accelerator. J. J. O'Reilly. 2,462,767, Feb. 22.
Phase angle meter. G. W. Nagel and M. A. Schultz. 2,462,218, Feb. 22.
Phase modulation system. L. E. Norton. 2,462,417, Feb. 22.
Phase-sensitive self-balancing frequency meter. W. H. Gille. 2,462,630, Feb. 22.
Phosphors and preparing same, Doubly activated infrared. J. J. Pitha and R. Ward. 2,462,547, Feb. 22.
Photo identification for checks. B. L. Goldwater. 2,462,735, Feb. 22.
Photocatalytic reactions, Process and apparatus for. J. H. Percy. 2,462,669, Feb. 22.
Photoelectric cell color temperature measuring device. H. L. Woodward, Jr. 2,462,823, Feb. 22.
Photoelectric exposure time and paper selector for photographic enlargers having slide rule type computers and stepwedges. A. Simmon. 2,462,339, Feb. 22.
Photographic antihalation elements. D. M. McQueen. 2,462,527, Feb. 22.
Photographic elements having hydrophilic polyvinyl acetal colloid sub-layers. D. W. Woodward. 2,462,151, Feb. 22.
Photographic elements, Light-sensitive. O. W. Murray. 2,462,534, Feb. 22.
Photographic plural emulsion layer stripping film. A. B. Jennings. 2,462,503, Feb. 22.
Physicochemical analysis, Method and apparatus for. L. B. Lipson. 2,462,270, Feb. 22.
Picks and like tools. J. C. Roche. 2,462,427, Feb. 22.
Pillow envelope and bed sheet, Combination. M. Schiller. 2,462,780, Feb. 22.
Pipe clamp. S. M. Kass. 2,462,504, Feb. 22.
Pipe coupling. U. T. Walker. 2,462,575, Feb. 22.
Pipe joint. R. Batchler. 2,462,348, Feb. 22.
Pipe plug. J. Johnson. 2,462,748, Feb. 22.
Pistol, Full automatic. H. J. Kennedy. 2,462,505, Feb. 22.
Piston. G. C. Ramspeck. 2,462,550, Feb. 22.
Piston construction for internal-combustion engines and sleevelike piston ring construction therefor. R. W. Stadlman. 2,462,567, Feb. 22.
Plane, Power lift. D. K. Warner. 2,462,578, Feb. 22.
Plastic composition. A. C. Buechele. 2,462,053, Feb. 22.
Plasticizers or softeners for butyl rubber, Chemical. J. Rehner, Jr., and P. J. Flory. 2,462,674, Feb. 22.
Plate for pin setting frames, Wear. R. F. Palmer. 2,462,543, Feb. 22.

Pliers, Inductively heating. F. N. Darmara. 2,462,072, Feb. 22.
Pliers, Parallel jaw. A. J. Muter. 2,462,536, Feb. 22.
Plug: *See*—
Pipe plug.
Polisher, Vibratory. R. R. Butts. 2,462,068, Feb. 22.
Regulating system, Speed. J. F. Kovalsky. 2,462,203, Feb. 22.
Regulating system, Temperature. C. L. Mershon. 2,462,207, Feb. 22.
Regulating system, Voltage. G. H. Fletcher. 2,462,624, Feb. 22.

Slicer, Rotary potato. S. M. Kobey. 2,462,105, Feb. 22.
Slidable vane pump. J. Dusevoir. 2,462,732, Feb. 22.
Slider for slide fasteners, Automatic lock. W. Mikulas and L. L. Jones. 2,462,528, Feb. 22.
Slides and control mechanism therefor, Cross. M. G. Himoff and S. L. Casella. 2,462,498, Feb. 22.
Tetrachlorophthalic diesters. G. J. Bohrer. 2,462,601, Feb. 22.
Thermionic valve. J. Foster. 2,462,082, Feb. 22.
Thermistor, Head. F. H. Drake and P. B. King, Jr. 2,462,369, Feb. 22.
Thermostatic valve. R. C. Johnson. 2,462,198, Feb. 22.
Thiophene-2-carboxylic acid. V. Weinmayr. 2,462,697,

Pliers, Inductively heating. F. N. Darmara. 2,462,072, Feb. 22.
Pliers, Parallel jaw. A. J. Muter. 2,462,536, Feb. 22.
Plug: *See*—
Pipe plug.
Polisher, Vibratory. R. R. Butts. 2,462,068, Feb. 22.
Polishing method and apparatus. A. H. Eppler. 2,462,480, Feb. 22.
Polyalkylbenzyl phenols, Preparation of. O. M. Reiff and H. D. Hartough. 2,462,426, Feb. 22.
Polyethylene compositions. C. S. Myers. 2,462,331, Feb. 22.
Polymeric compounds from 1,3-dioxalane. W. F. Gresham. 2,462,737, Feb. 22.
Polymers from ethylene and carbon dioxide. D. E. Sargent. 2,462,680, Feb. 22.
Polymers, Separation of. J. R. Skeen. 2,462,564, Feb. 22.
Polysulfonyl chlorides, Preparation of. S. R. Detrick, W. H. Lockwood, and N. Whitman. 2,462,730, Feb. 22.
Pool game table. S. H. McNair. 2,462,526, Feb. 22.
Power lift, Controllable hydraulic. F. T. Court. 2,462,722, Feb. 22.
Power lift mechanism, Hydraulic. W. H. Worthington and E. F. Jirsa. 2,462,246, Feb. 22.
Practice device for golf putting. W. Pinder. 2,462,420, Feb. 22.
Precision machine tool. F. Turrettini. 2,462,573, Feb. 22.
Pregnene compounds, Treating. L. H. Sarett. 2,462,133, Feb. 22.
Press: *See*—
Automatic drill press.
Pressing iron rack. C. R. Hawkins. 2,462,319, Feb. 22.
Primer, Rocket. L. A. Skinner. 2,462,185, Feb. 22.
Print control device for photographic enlargers. A. Simmon and L. L. Weisglass. 2,462,340, Feb. 22.
Printing apparatus, Silk-screen. S. R. Wellborn. 2,462,447, Feb. 22.
Projectile, Rocket. C. N. Hickman. 2,462,099, Feb. 22.
Protective switch. C. E. Mosley. 2,462,212, Feb. 22.
Protector pad. D. Ortleb. 2,462,768, Feb. 22.
Puller: *See*—
Staple puller.
Pulse receiving and repeating system. C. M. Theillaumas. 2,462,144, Feb. 22.
Pulses, Generation of electric. P. K. Chatterjea, D. M. Ambrose, and J. K. Beney. 2,462,071, Feb. 22.
Pump: *See*—
Fluid pump. Slidable vane pump.
Pump. E. A. Cuny. 2,462,725, Feb. 22.
Pump. C. A. Erickson. 2,462,372, Feb. 22.
Pump or motor, Sliding vane. M. E. Estey. 2,462,481, Feb. 22.
Pump plunger. J. D. Cunningham. 2,462,257, Feb. 22.
Pump with easily removable rotor, Rotary. C. A. Namur. 2,462,214, Feb. 22.
Purifier, Crude oil. G. M. Castellanos. 2,462,466, Feb. 22.
Quiet single-phase motor. C. B. Hathaway and R. F. Woll. 2,462,184, Feb. 22.
Rack: *See*—
Article supporting rack. Pressing iron rack.
Rack. J. E. Holmes. 2,462,321, Feb. 22.
Radio communication system. P. K. Chatterjea and L. W. Houghton. 2,462,069, Feb. 22.
Radio direction finder. R. H. Herrick. 2,462,188, Feb. 22.
Radio receiver, Noise reducing. C. J. B. Rheams. 2,462,224, Feb. 22.
Radio transmitting system. W. H. Grosselfinger. 2,462,131, Feb. 22.
Rail fastener. C. Philips. 2,462,771, Feb. 22.
Rail, Miniature railroad. E. J. Daughton. 2,462,073, Feb. 22.
Rake and stacker, Combination sweep. T. H. and H. N. Young and J. B. Rambo. 2,462,152, Feb. 22.
Rat or mouse trap. E. H. Elleby. 2,462,479, Feb. 22.
Ratchet and pawl mechanism for hand brakes. G. E. Dath. 2,462,167, Feb. 22.
Ratchet and pawl mechanism for hand brakes. S. B. Haseltine. 2,462,183, Feb. 22.
Reaction products of polyfluoroethylenes and terminally unsaturated compounds. P. L. Barrick. 2,462,347, Feb. 22.
Reaction products of 3-hexenedinitrile and certain aldehydes. C. M. Langkammerer. 2,462,407, Feb. 22.
Receiver, Ash. C. Hendricks. 2,462,397, Feb. 22.
Receiver with automatic frequency control, Telegraphy. M. G. Crosby. 2,462,470, Feb. 22.
Recording electric signals. F. R. Thomas. 2,462,145, Feb. 22.
Rectifier. C. C. Hein. 2,462,186, Feb. 22.
Reducer, Frequency. H. M. Huge. 2,462,322, Feb. 22.
Reel: *See*—
Fishing reel. Spring reel.
Moving picture film reel.
Reel. D. Larkin. 2,462,408, Feb. 22.
Refrigerating apparatus with charging plug. J. M. Murphy. 2,462,535, Feb. 22.
Refrigerator, Including controls for the refrigerating system thereof, Multiple compartment. C. Passman. 2,462,279, Feb. 22.
Refrigerator system, Two-temperature. P. D. Van Vliet and B. J. Homkes. 2,462,240, Feb. 22.
Regulating system, Speed. J. F. Kovalsky. 2,462,203, Feb. 22.
Regulating system, Temperature. C. L. Mershon. 2,462,207, Feb. 22.
Regulating system, Voltage. G. H. Fletcher. 2,462,624, Feb. 22.
Regulator. H. A. Wheeler. 2,462,796, Feb. 22.
Relaying system for polyphase circuits, Protective. S. L. Goldsborough. 2,462,179, Feb. 22.
Release coupling. C. N. Nicodemus and A. E. Gregg. 2,462,540, Feb. 22.
Remote control arrangement. C. T. Scully. 2,462,134, Feb. 22.
Remote-control system. A. J. Wohlgemuth. 2,462,343, Feb. 22.
Resin, Pitch. H. R. Batchelder. 2,462,593, Feb. 22.
Resin, Production and use of synthetic. R. G. Booty. 2,462,252–3, Feb. 22.
Resins and conductors insulated therewith. H. F. Minter. 2,462,209, Feb. 22.
Resistor, Metallic oxide. H. Christensen and J. J. Kleimack. 2,462,162, Feb. 22.
Resonator, High-frequency. M. R. Hubbard. 2,462,639, Feb. 22.
Retractor, Ironing cord. E. J. Brier and W. G. McCue. 2,462,464, Feb. 22.
Reversing tool. C. R. Edwards. 2,462,478, Feb. 22.
Revolutions counter actuator. C. K. Studley, Jr. 2,462,690, Feb. 22.
Roller window screen. W. Marbach. 2,462,520, Feb. 22.
Rotary abrading tool. E. W. Hall. 2,462,741, Feb. 22.
Rotary converter-coupling hydraulic power transmission. A. Lysholm. 2,462,652, Feb. 22.
Rubber latex, Treatment of synthetic. E. Arundale. 2,462,591, Feb. 22.
Rubber scraps, Treating. T. M. Knowland. 2,462,645, Feb. 22.
Safety joint. C. R. Edwards. 2,462,477, Feb. 22.
Safety valve. S. E. Richeson and J. A. Allegro. 2,462,287, Feb. 22.
Salts of adiponitrile sulfonic acid. C. M. Langkammerer. 2,462,406, Feb. 22.
Saw, Tree-felling circular. C. V. Fuqua. 2,462,314, Feb. 22.
Scaffold. M. Sachs. 2,462,429, Feb. 22.
Scarf, Neck. P. G. Daniels. 2,462,727, Feb. 22.
Scoop and siphon for water-cooling systems. J. H. Wilson. 2,462,450, Feb. 22.
Scoop, Power. T. S. Scribner. 2,462,432, Feb. 22.
Scrap removing device. H. F. Allen. 2,462,707, Feb. 22.
Screen: *See*—
Roller window screen.
Screening. F. W. Benedict. 2,462,595, Feb. 22.
Sea wall, Self-adjusting. S. M. Pontiere. 2,462,775, Feb. 22.
Seal for pipe-line fittings. L. S. Hamer. 2,462,493, Feb. 22.
Seal for resisting high pressures. D. J. Whittingham. 2,462,586, Feb. 22.
Seal, Resilient lubricant. L. R. Buckendale. 2,462,067, Feb. 22.
Sear mechanism. V. H. Wesson. 2,462,585, Feb. 22.
Sear release mechanism. J. L. Lochhead. 2,462,114, Feb. 22.
Selective-pole tripping system. S. L. Goldsborough and J. L. Blackburn. 2,462,180, Feb. 22.
Selsyn transmission by radio. W. C. Mikkelson and J. Anthes. 2,462,117, Feb. 22.
Servo system, Electrical. E. J. Uhlig. 2,462,238, Feb. 22.
Servomotor system. O. E. Esval. 2,462,081, Feb. 22.
Shaft coupling. G. E. Pulliam. 2,462,549, Feb. 22.
Shaping attachment for tenoning machines. J. H. Mansfield. 2,462,653, Feb. 22.
Sharpening device. W. H. Haydon. 2,462,637, Feb. 22.
Shaving machine. I. Florman. 2,462,625, Feb. 22.
Shear and sprayer, Power. R. Wirth. 2,462,701, Feb. 22.
Shelving, Demountable. O. N. Mueller. 2,462,330, Feb. 22.
Shield assembly, Ignition coil and filter. E. C. Hallett. 2,462,491, Feb. 22.
Shield for electric wall sockets. J. N. Leopold. 2,462,766, Feb. 22.
Ship of monolithic structure. J. N. Pew, Jr. 2,462,670, Feb. 22.
Shipping box. B. A. Wabshaw. 2,462,693, Feb. 22.
Shirt and trouser holder. C. C. Levin. 2,462,409, Feb. 22.
Shoe with resilient closure means. C. A. Juliuson. 2,462,324, Feb. 22.
Shot shell. W. L. Finlay and G. E. Hutchinson. 2,462,312, Feb. 22.
Showerhead. F. A. Kotches and W. D. Tipton. 2,462,752, Feb. 22.
Shutter control for cinematographic cameras. J. Bolsey. 2,462,302, Feb. 22.
Sighting device, Spectacle. K. Clark and K. O. Sisson. 2,462,468, Feb. 22.
Signal apparatus, Train carried cab. L. R. Allison. 2,462,454, Feb. 22.
Silica hydrogel and catalysts, Manufacture of. C. L. Thomas. 2,462,236, Feb. 22.
Singeing device for textile fabrics and the like. F. M. Crossman. 2,462,166, Feb. 22.
Ski binding. J. M. Piane. 2,462,281, Feb. 22.

Slicer, Rotary potato. S. M. Kobey. 2,462,105, Feb. 22.
Slidable vane pump. J. Dusevoir. 2,462,732, Feb. 22.
Slider for slide fasteners, Automatic lock. W. Mikulas and L. L. Jones. 2,462,526, Feb. 22.
Slides and control mechanism therefor, Cross. M. G. Himoff and S. L. Casella. 2,462,498, Feb. 22.
Smoke passage, Built-in circuitous. S. R. Wellborn. 2,462,446, Feb. 22.
Snap fastener attaching tool. C. D. Buckley. 2,462,801, Feb. 22.
Soap dish, Combined. M. Applebaum. 2,462,299, Feb. 22.
Soldering apparatus, Electric. G. L. Ward. 2,462,148, Feb. 22.
Soldering iron. E. H. Rustin. 2,462,131, Feb. 22.
Sound, Reproduction of. H. E. Haynes. 2,462,263, Feb. 22.
Sound system which compensates for variable noise levels. F. A. Morris. 2,462,532, Feb. 22.
Spacer, Conduit. W. H. D. Hinchman. 2,462,399, Feb. 22.
Spark gap device. J. B. Owens. 2,462,219, Feb. 22.
Speed control for induction motors. G. Koehler. 2,462,751, Feb. 22.
Speed controlling means for direct current motors. G. G. Mozzanini and M. Lebertre. 2,462,120, Feb. 22.
Splint, Match. M. Polacsek. 2,462,772–3, Feb. 22.
Spreader, Mortar. T. Kimura. 2,462,644, Feb. 22.
Spring. J. W. Cook. 2,462,363, Feb. 22.
Spring oscillating chair. R. R. Marriott. 2,462,521, Feb. 22.
Spring reel. C. R. Yirava. 2,462,296, Feb. 22.
Squeegee supporting and guiding structure. H. Fleisher and G. H. Tillett. 2,462,376, Feb. 22.
Stabilizer, Steering. G. W. Martin. 2,462,272, Feb. 22.
Staple puller. H. D. Andrews. 2,462,250, Feb. 22.
Stapling device. A. L. Flamm. 2,462,623, Feb. 22.
Starch esters. O. A. Moe. 2,462,210, Feb. 22.
Static elimination in manometers. C. F. Wallace. 2,462,820, Feb. 22.
Steam treating apparatus. R. L. Parker. 2,462,220, Feb. 22.
Steriliser for barbers' implements. A. Di Filippo. 2,462,475, Feb. 22.
Stiffness and bending strength tester for thin sheet materials. R. D. De Waard, C. R. Stryker, and A. F. Blockman. 2,462,826, Feb. 22.
Stilbene bis triazole azo dyestuffs. E. Keller and R. Zweidler. 2,462,405, Feb. 22.
Stock for firearms, Collapsible. J. C. Garand. 2,462,091, Feb. 22.
Stop for gate valves, Adjustable. E. P. De Craene. 2,462,809, Feb. 22.
Stope jack. T. J. Niceley. 2,462,662, Feb. 22.
Stress analysis by X-ray diffraction. F. G. Firth. 2,462,374, Feb. 22.
Stroke control for cylinder and piston mechanisms, Magnetic. R. H. Thompson and H. Harvey. 2,462,571, Feb. 22.
Sulfur-containing polyamides. A. K. Schneider. 2,462,430, Feb. 22.
Sulfur hexafluoride, Purification of crude. J. F. Gall. 2,462,379, Feb. 22.
Sulfur, Stabilization of insoluble. R. H. Walcott and A. Schallis. 2,462,146, Feb. 22.
Sunlight resistant composition. P. T. Gidley. 2,462,629, Feb. 22.
Support for shiftable curtain rods. W. G. Anderson. 2,462,344, Feb. 22.
Supporter, Hose. H. F. Callis. 2,462,161, Feb. 22.
Suspending device. N. M. Byrd. 2,462,719, Feb. 22.
Switch: *See*—
Dual action switch. Multiposition switch.
Electric switch. Protective switch.
Electrical switch.
Switch for discharge lamps, Control. L. W. Cook. 2,462,306, Feb. 22.
Switch for electric discharge devices, Starting. B. R. Reinhardt. 2,462,335, Feb. 22.
Switching system, Biasing potential. G. Deakin and H. F. Herbig. 2,462,074, Feb. 22.
Synchronized pulse generator. M. M. Levy. 2,462,109, Feb. 22.
System for comparison of phase shift of electric quantities. J. Ahler and J. Selz. 2,462,058, Feb. 22.
T square gauge. J. F. Donohue. 2,462,075, Feb. 22.
Table: *See*—
Folding table. Pool game table.
Table baseball. N. A. Dobé. 2,462,170, Feb. 22.
Tampon machine and making tampons. H. Gans. 2,462,178, Feb. 22.
Tank: *See*—
Elevated tank.
Tank filling control. J. B. Dryden. 2,462,076, Feb. 22.
Target, Modulated reflecting-resonant. E. J. Istvan. 2,462,102, Feb. 22.
Tearing and dividing equipment. H. H. Vickers. 2,462,692, Feb. 22.
Telegraph system. G. G. Light and R. E. Hanford. 2,462,112, Feb. 22.
Tension control apparatus. J. W. Olson and C. W. Bechle. 2,462,766, Feb. 22.
Tensioning device, Yarn. E. Richter. 2,462,288, Feb. 22.
Terminal, Battery. F. Akin. 2,462,453, Feb. 22.
Testing color vision. E. Freeman. 2,462,485, Feb. 22.
Tetrachlorophthalic diesters. G. J. Bohrer. 2,462,601, Feb. 22.
Thermionic valve. J. Foster. 2,462,082, Feb. 22.
Thermistor, Head. F. H. Drake and P. B. King, Jr. 2,462,369, Feb. 22.
Thermostatic valve. R. C. Johnson. 2,462,198, Feb. 22.
Thiophene-2-carboxylic acid. V. Weinmayr. 2,462,697, Feb. 22.
Thread-tension device for sewing machines. F. Parry and B. P. Pinkvose. 2,462,812, Feb. 22.
Thrust device, Electric. J. J. Moynihan. 2,462,533, Feb. 22.
Tire chain latch. L. Cuilllerrier. 2,462,472, Feb. 22.
Tool: *See*—
Camber adjusting tool. Rotary abrading tool.
Precision machine tool. Snap fastener attaching tool.
Reversing tool.
Tool and release therefor, Toggle actuated. E. D. Ball. 2,462,709, Feb. 22.
Tool assembly. H. M. Griffin. 2,462,386, Feb. 22.
Toolholder. S. M. Booth. 2,462,716, Feb. 22.
Top for convertible automotive vehicles, Ever-ready rigid. A. C. O'Neal. 2,462,667, Feb. 22.
Torpedo exploding mechanism. C. T. Minkler. 2,462,118, Feb. 22.
Totaquine, Production of. J. B. Shohan. 2,462,782, Feb. 22.
Toy repeating rubber band gun. J. R. Crnich. 2,462,723, Feb. 22.
Toy, Whirling. U. T. Walker. 2,462,576, Feb. 22.
Track for vehicles, Endless. P. H. Johnson and L. W. Tripp. 2,462,643, Feb. 22.
Tractor fifth-wheel safety lock. C. L. Moore. 2,462,211, Feb. 22.
Tractor hitch bracket. D. Currie. 2,462,726, Feb. 22.
Trailer chimney. L. C. Goodwin. 2,462,383, Feb. 22.
Trailer, Tractor. G. B. and M. H. Kahres. 2,462,404, Feb. 22.
Transformer, Electric. W. Kram. 2,462,106, Feb. 22.
Translator and making it, Electrical. K. M. Olsen. 2,462,218, Feb. 22.
Transmission line, Folded. N. E. Lindenblad. 2,462,410, Feb. 22.
Transmission line system. R. S. Wehner. 2,462,443, Feb. 22.
Transmission mechanism. P. Bartelt. 2,462,060, Feb. 22.
Transmission oil filter means. H. H. Trail. 2,462,819, Feb. 22.
Transmitting device, Fluid. W. Ferris. 2,462,734, Feb. 22.
Trap: *See*—
Rat or mouse trap.
Trifluoromethylhexachlorocyclohexane. E. T. McBee and L. D. Bechtol. 2,462,654, Feb. 22.
Tube with filamentary cathode, Vacuum. J. A. Victoreen. 2,462,441, Feb. 22.
Tube with storage properties, Television receiving. G. C. Sziklai. 2,462,569, Feb. 22.
Turbine. G. K. W. Boestad and E. O. Eriksson. 2,462,600, Feb. 22.
Turbine pump type hydraulic coupling. G. W. Peterson. 2,462,223, Feb. 22.
Turnbuckle. P. G. Gleason. 2,462,382, Feb. 22.
Two-piece plastic loose-leaf memorandum sheet holder. M. E. Trollen. 2,462,789, Feb. 22.
Typewheel positioning mechanism for printing telegraph apparatus. R. D. Salmon. 2,462,132, Feb. 22.
Umbrellas, Tiltable. E. Schmidt. 2,462,560, Feb. 22.
Undergarment. A. R. Kneibler. 2,462,508, Feb. 22.
Universal joint. S. G. Wingquist. 2,462,700, Feb. 22.
Utensil, Compartmented culinary. E. M. Christensen. 2,462,362, Feb. 22.
Utensil, Vacuum type coffee-making. S. Battilani. 2,462,349, Feb. 22.
Valve: *See*—
Fluid valve. Thermionic valve.
Safety valve. Thermostatic valve.
Valve. F. E. Sette. 2,462,291, Feb. 22.
Valve actuating means. W. L. Parker. 2,462,544, Feb. 22.
Valve and hydraulic power device embodying such valves, Hydraulic. C. D. Watson. 2,462,580, Feb. 22.
Valve for thermal systems. O. O. Oaks. 2,462,217, Feb. 22.
Valve for windshield cleaners. W. C. Hess. 2,462,189, Feb. 22.
Valve system for hydraulic press circuits. R. K. Sedgwick. 2,462,815, Feb. 22.
Vaporizer, Electric. J. Robinson. 2,462,129, Feb. 22.
Variable inductance. F. Wood. 2,462,822, Feb. 22.
Vehicle: *See*—
Articulated railway vehicle. Water dispersible coating vehicle.
Vehicles having increased wet abrasion resistance, Protein water paint. J. C. Konen and B. W. Schroeder. 2,462,811, Feb. 22.
Vending machine, Pencil. C. B. Alexander. 2,462,298, Feb. 22.
Ventilator for motor vehicles. G. Grimith. 2,462,634, Feb. 22.
Ventilator, Window. W. B. Nye. 2,462,278, Feb. 22.

Vessel for storage of liquids at abnormally high or low temperatures, Pressure. H. C. Boardman. 2,462,064, Feb. 22.
Vinyl ethers, Preparation of. D. G. Botteron. 2,462,602, Feb. 22.
Welding apparatus. S. Schneider. 2,462,561, Feb. 22.
Welding apparatus, Spot. M. Beymer. 2,462,458, Feb. 22.
Welding using partially sheared cut projections, Resistance. J. W. Kehoe and J. B. Dym. 2,462,199, Feb. 22.
Wheel balancing apparatus, Static. G. H. Howard.

Vessel for storage of liquids at abnormally high or low temperatures, Pressure. H. C. Boardman. 2,462,064, Feb. 22.
Vinyl ethers, Preparation of. D. G. Botteron. 2,462,602, Feb. 22.
Vinyl halides, Polymerising. L. Plambeck, Jr. 2,462,422, Feb. 22.
Vinylidene chloride compositions stable to light. L. A. Matheson and R. F. Boyer. 2,462,412, Feb. 22.
Visor, Sun. E. F. Burdick. 2,462,304, Feb. 22.
Voltage multiplier. D. Canady. 2,462,804, Feb. 22.
Vulcanising rubbery butadiene polymers with dixanthic disulfides. M. C. Throdahl. 2,462,572, Feb. 22.
Walker or toy vehicle. A. Rodriques. 2,462,814, Feb. 22.
Warning magnetic unit. J. C. Booth. 2,462,715, Feb. 22.
Warp sizing material. F. G. La Piana. 2,462,108, Feb. 22.
Water dispersible coating vehicle. G. E. Ellerman. 2,462,616, Feb. 22.
Water filter. P. L. Boucher. 2,462,604, Feb. 22.
Water softener. J. V. Barnes. 2,462,154, Feb. 22.
Wax injection apparatus. S. Lipson, H. Rosenthal, and H. Markus. 2,462,113, Feb. 22.
Web material, Method and apparatus for drying. A. G. Gautreau. 2,462,380, Feb. 22.
Welded motor frame. W. J. Oesterlein. 2,462,765, Feb. 22.
Welding apparatus. S. Schneider. 2,462,561, Feb. 22.
Welding apparatus, Spot. M. Beymer. 2,462,458, Feb. 22.
Welding using partially sheared cut projections, Resistance. J. W. Kehoe and J. B. Dyas. 2,462,199, Feb. 22.
Wheel balancing apparatus, Static. G. H. Howard. 2,462,266, Feb. 22.
Wheelbarrow. R. A. Popplewell. 2,462,424, Feb. 22.
Winch control. H. S. Jacobs. 2,462,747, Feb. 22.
Wind-pressure gauge. J. P. Warren. 2,462,577, Feb. 22.
Winding coils. J. K. Hodnette and A. D. Forbes. 2,462,191, Feb. 22.
Winding device. W. J. Elvin and E. R. Stahl. 2,462,310, Feb. 22.
Winding machine. J. M. England. 2,462,620, Feb. 22.
Window shade bracket. G. McCormick, Jr. 2,462,525, Feb. 22.
Wire spring structure for seat and back constructions. W. H. Neely and S. G. Blumensaadt. 2,462,539, Feb. 22.
Wire straightener. R. D. Heller. 2,462,396, Feb. 22.
Worktable for belt grinders and the like. D. E. Sutton. 2,462,788, Feb. 22.
Wrapping machine and method, Multiple lane. S. J. Campbell. 2,462,254, Feb. 22.
Wrench having manually-controlled slidable-wedge jock, Pivoted side-jaw. E. E. Cooper. 2,462,364, Feb. 22.

236— 93: 2,462,198
99: 2,462,217
238— 275: 2,462,582
250— 17: 2,462,799
20: 2,462,224
2,462,759
255— 35: 2,462,478
257— 130: 2,462,136
245: 2,462,421
260—448.2: 2,462,640
454: 2,462,433
461: 2,462,057
465.8: 2,462,388
273— 128: 2,462,436
145: 2,462,686
277— 70: 2,462,605
279— 2: 2,462,465
308— 5: 2,462,659
309— 2: 2,462,139
12: 2,462,550
14: 2,462,567

CLASSIFICATION OF PATENTS

ISSUED FEBRUARY 22, 1949

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 47: 2,462,774
49: 2,462,623
2— 42: 2,462,295
69.5: 2,462,165
76: 2,462,553
88: 2,462,299
91: 2,462,737
106: 2,462,706
108: 2,462,361
132: 2,462,311
154: 2,462,483
161: 2,462,787
172: 2,462,258
175: 2,462,679
234: 2,462,196
2,462,414
2,462,506
303: 2,462,161
↑ 185: 2,462,627
↓ 110: 2,462,686
308: 2,462,524
334: 2,462,156
2,462,780
341: 2,462,215
345: 2,462,579
8— 8: 2,462,428
12— 42: 2,462,673
15— 135: 2,462,065
16— 1: 2,462,268
86: 2,462,174
126: 2,462,168
148: 2,462,300
18— 5: 2,462,178
30: 2,462,113
2,462,308
41: 2,462,239
48: 2,462,149
19— 144: 2,462,487
21— 71: 2,462,496
87: 2,462,475
22— 65: 2,462,794
110: 2,462,373
147: 2,462,255
2,462,256
2,462,260
202: 2,462,699
23— 87: 2,462,499
109: 2,462,104
201: 2,462,277
205: 2,462,379
224: 2,462,146
232: 2,462,293
252: 2,462,556
268: 2,462,193
24— 23: 2,462,264
83: 2,462,409
87: 2,462,688
103: 2,462,717
104: 2,462,332
206.14: 2,462,528
221: 2,462,141
25— 1: 2,462,628
24: 2,462,707
26— 3: 2,462,106
27— 24: 2,462,617
28— 54: 2,462,581
29— 4.5: 2,462,090
149.5: 2,462,138
152.2: 2,462,821
157.3: 2,462,511
30— 9: 2,462,416
30: 2,462,519
43: 2,462,625
123: 2,462,701
130: 2,462,411
275: 2,462,317
31— 84: 2,462,583
32— 63: 2,462,356
33— 58: 2,462,307
79: 2,462,271
125: 2,462,226
164: 2,462,589
33— 169: 2,462,350
178: 2,462,545
180: 2,462,075
34— 24: 2,462,380
100: 2,462,079
35— 99: 2,462,606
73: 2,462,502
36— 51: 2,462,324
37— 4: 2,462,432
40— 113: 2,462,596
42— 69: 2,462,688
72: 2,462,091
43— 28: 2,462,290
38: 2,462,828
39: 2,462,437
81: 2,462,479
44— 44: 2,462,773
46: 2,462,772
75: 2,462,237
45— 26: 2,462,299
77: 2,462,397
46— 47: 2,462,576
47— 60: P1.Pt.825
P1.Pt.826
P1.Pt.827
61: P1.Pt.828
P1.Pt.829
48— 89: 2,462,720
49— 1: 2,462,808
17.1: 2,462,806
2,462,806
2,462,807
81: 2,462,205
51— 8: 2,462,480
74: 2,462,235
123: 2,462,522
143: 2,462,788
193: 2,462,741
205: 2,462,176
2,462,637
267: 2,462,710
55— 108: 2,462,128
56— 30: 2,462,800
40: 2,462,177
57— 16: 2,462,303
60— 14: 2,462,745
41: 2,462,600
52: 2,462,722
2,462,515
54: 2,462,223
2,462,552
97: 2,462,245
2,462,550
61— 39: 2,462,775
62— 1: 2,462,642
2,462,671
2,462,757
2: 2,462,279
4: 2,462,240
2,462,514
89: 2,462,705
115: 2,462,535
116: 2,462,115
126: 2,462,329
129: 2,462,557
63— 3: 2,462,425
64— 1: 2,462,192
4: 2,462,574
9: 2,462,549
21: 2,462,700
66— 117: 2,462,473
171: 2,462,401
67— 7.1: 2,462,143
2,462,467
23: 2,462,440
70— 379: 2,462,827
72— 37: 2,462,289
40: 2,462,415
71: 2,462,385
128: 2,462,644
73— 46: 2,462,116
66: 2,462,266
73— 100: 2,462,826
189: 2,462,577
401: 2,462,820
74— 2: 2,462,610
5.44: 2,462,541
37: 2,462,060
365: 2,462,779
413: 2,462,455
417: 2,462,647
424.8: 2,462,809
471: 2,462,544
551.2: 2,462,381
75— 26: 2,462,661
125: 2,462,056
126: 2,462,665
76— 41: 2,462,226
77— 5: 2,462,327
55: 2,462,386
81— 3.46: 2,462,387
46: 2,462,536
60: 2,462,729
84: 2,462,709
116: 2,462,364
83— 14: 2,462,126
84— 1.14: 2,462,531
87— 6: 2,462,515
88— 2.4: 2,462,468
14: 2,462,292
17: 2,462,302
2,462,587
18.4: 2,462,083
20: 2,462,485
22.5: 2,462,823
24: 2,462,150
2,462,340
2,462,749
89— 1.5: 2,462,744
136: 2,462,114
140: 2,462,505
141: 2,462,130
193: 2,462,119
90— 12: 2,462,147
91— 18: 2,462,297
51: 2,462,474
56: 2,462,368
93— 2: 2,462,460
3: 2,462,254
49: 2,462,513
94— 8: 2,462,353
95— 2: 2,462,503
8: 2,462,527
2,462,534
9: 2,462,151
10: 2,462,399
66: 2,462,713
71: 2,462,663
97— 47: 2,462,641
98— 99.8: 2,462,278
99— 2: 2,462,633
80: 2,462,497
142: 2,462,398
163: 2,462,663
2,462,664
169: 2,462,760
288: 2,462,349
101— 37: 2,462,590
123: 2,462,376
2,462,447
102— 42: 2,462,312
49: 2,462,099
70: 2,462,305
70.2: 2,462,135
79: 2,462,062
103— 25: 2,462,076
37: 2,462,500
120: Re.23,095
136: 2,462,481
2,462,732
150: 2,462,372
161: 2,462,725
205: 2,462,214
108— 225: 2,462,257
105— 4: 2,462,666
399: 2,462,619
106— 56: 2,462,055
78: 2,462,538
154: 2,462,811
210: 2,462,108
218: 2,462,053
289: 2,462,631
107— 67: 2,462,672
112— 102: 2,462,559
113— 80: 2,462,315
102: 2,462,121
109: 2,462,131
114— 21: 2,462,118
79: 2,462,670
235: 2,462,568
115— 0.5: 2,462,450
116— 61: 2,462,718
117— 46: 2,462,681
62: 2,462,187
73: 2,462,185
127: 2,462,763
119— 189: 2,462,589
120— 32: 2,462,273
121— 41: 2,462,580
68: 2,462,063
148: 2,462,571
123— 25: 2,462,094
48: 2,462,092
51: 2,462,492
171: 2,462,634
124— 19: 2,462,723
26: 2,462,248
39: 2,462,715
125— 56: 2,462,383
126— 105: 2,462,395
299: 2,462,537
377: 2,462,362
390: 2,462,726
128— 192: 2,462,129
360: 2,462,786
131— 11: 2,462,446
259: 2,462,333
135— 46: 2,462,560
137— 53: 2,462,287
152: 2,462,735
138— 44: 2,462,493
2,462,494
77: 2,462,399
89: 2,462,731
2,462,748
99: 2,462,504
139— 273: 2,462,326
140— 148: 2,462,396
143— 43: 2,462,314
144— 142: 2,462,653
146— 55: 2,462,682
122: 2,462,692
124: 2,462,105
148— 6.15: 2,462,196
12.4: 2,462,122
13: 2,462,202
150— 40: 2,462,206
151— 7: 2,462,603
152— 213: 2,462,378
241: 2,462,472
153— 25: 2,462,080
32: 2,462,403
154— 2.6: 2,462,228
121: 2,462,158
133: 2,462,252
2,462,253
155— 31: 2,462,675
77: 2,462,521
148: 2,462,377
179: 2,462,539
198: 2,462,768
158— 91: 2,462,529
116: 2,462,704
160— 100: 2,462,520
327: 2,462,309
164— 0.5: 2,462,784
0.6: 2,462,230
170—135.4: 2,462,587
171— 97: 2,462,094
2,462,504
2,462,624
2,462,804
242: 2,462,423
2,462,822
252: 2,462,649
2,462,761
172— 36: 2,462,172
2,462,182
2,462,204
2,462,765
120: 2,462,451
2,462,516
126: 2,462,068
2,462,438
245: 2,462,058
2,462,213
2,462,630
290: 2,462,533
173— 259: 2,462,453
2,462,660
273: 2,462,247
334: 2,462,127
338: 2,462,530
330: 2,462,756
174— 13: 2,462,770
35: 2,462,334
121: 2,462,209
151: 2,462,070
175— 30: 2,462,219
41: 2,462,173
294: 2,462,179
2,462,180
298: 2,462,489
2,462,490
2,462,491
341: 2,462,482
356: 2,462,651
366: 2,462,186
2,462,218
373: 2,462,066
176— 38: 2,462,325
177— 7: 2,462,750
311: 2,462,715
311.5: 2,462,655
336: 2,462,781
351: 2,462,117
178— 4: 2,462,112
33: 2,462,613
44: 2,462,095
2,462,106
2,462,370
2,462,410
2,462,551
2,462,552
2,462,639
179— 1: 2,462,532
15: 2,462,061
2,462,111
18: 2,462,074
84: 2,462,144
100.3: 2,462,263
100.4: 2,462,435
171: 2,462,190
2,462,482
183— 36: 2,462,797
89: 2,462,220
184— 13: 2,462,819
187— 29: 2,462,755
188— 77: 2,462,565
81.1: 2,462,167
2,462,183
191— 22: 2,462,073
192— 18: 2,462,657
48: 2,462,457
85: 2,462,825
93: 2,462,498
196— 30: 2,462,810
196— 31: 2,462,391
152: 2,462,593
197— 53: 2,462,132
198— 30: 2,462,276
200— 1: 2,462,495
6: 2,462,777
52: 2,462,556
56: 2,462,566
59: 2,462,767
88: 2,462,212
89: 2,462,753
113: 2,462,244
146: 2,462,283
2,462,285
150: 2,462,708
2,462,734
2,462,733
2,462,795
153: 2,462,342
170: 2,462,791
201— 63: 2,462,369
76: 2,462,162
202— 57: 2,462,638
204— 6: 2,462,570
37: 2,462,615
47: 2,462,301
141: 2,462,197
162: 2,462,689
2,462,780
181: 2,462,125
206— 41: 2,462,180
41.3: 2,462,231
73: 2,462,789
207— 10: 2,462,313
210— 24: 2,462,154
60: 2,462,098
140: 2,462,740
143: 2,462,612
150: 2,462,595
150.6: 2,462,466
169: 2,462,488
199: 2,462,604
211— 1: 2,462,096
34: 2,462,611
113: 2,462,431
123: 2,462,331
148: 2,462,330
214— 1: 2,462,702
83.18: 2,462,404
131: 2,462,152
140: 2,462,790
215— 13: 2,462,461
54: 2,462,445
218— 5: 2,462,902
20: 2,462,801
219— 4: 2,462,458
2,462,551
8: 2,462,463
10: 2,462,199
13: 2,462,072
19: 2,462,148
2,462,607
20: 2,462,207
39: 2,462,746
220— 1: 2,462,101
15: 2,462,064
64: 2,462,242
97: 2,462,608
223— 80: 2,462,632
88: 2,462,719
94: 2,462,778
225— 1: 2,462,169
226— 19.2: 2,462,626
229— 52: 2,462,676
230— 5: 2,462,097
22: 2,462,232
30: 2,462,588
127: 2,462,518
130: 2,462,392
235— 78: 2,462,338
92: 2,462,275
137: 2,462,690

236—	93:	2,462,198	250—	17.	2,462,799	255—	35:	2,462,478	260—448.2:		2,462,640
	99:	2,462,217		20:	2,462,224	257—	130:	2,462,136		454:	2,462,433
238—	275:	2,462,582			2,462,759		245:	2,462,421		461:	2,462,057
	323:	2,462,548		27:	2,462,100	259—	1:	2,462,089		465.8:	2,462,388
	331:	2,462,771			2,462,110	260—	15:	2,462,159			2,462,406
240—	1.2:	2,462,222			2,462,265		17:	2,462,629		475:	2,462,801
	10:	2,462,562		27.5:	2,462,082		17.4:	2,462,591		486:	2,462,337
	51.11:	2,462,243			2,462,084		22:	2,462,618		488:	2,462,738
	51.12:	2,462,714			2,462,142		23:	2,462,331		498:	2,462,163
241—	24:	2,462,645			2,462,153		28:	2,462,803		504:	2,462,829
	69:	2,462,542			2,462,441		29.1:	2,462,674		529:	2,462,124
	153:	2,462,564			2,462,471		29.6:	2,462,390			2,462,397
242—	9:	2,462,393			2,462,813		42:	2,462,054		534:	2,462,449
	10:	2,462,191		33.65:	2,462,229		45.3:	2,462,658		562:	2,462,221
	13:	2,462,620		36:	2,462,078		45.7:	2,462,412		566:	2,462,668
		2,462,621			2,462,109		45.8:	2,462,352		584:	2,462,736
	43.5:	2,462,310			2,462,294		45.9:	2,462,123		587:	2,462,712
	55.5:	2,462,776		40:	2,462,470			2,462,684		590:	2,462,103
	70:	2,462,261		51:	2,462,270		45.95:	2,462,608		595:	2,462,107
	75:	2,462,358			2,462,351			2,462,609		598:	2,462,448
		2,462,766		83.6:	2,462,088		46:	2,462,636		603:	2,462,413
	84.6:	2,462,365			2,462,140		72:	2,462,430		614:	2,462,602
	107:	2,462,296			2,462,374		78.6:	2,462,422		633:	2,462,389
	124:	2,462,408		150:	2,462,569		79.6:	2,462,572		646:	2,462,346
	150:	2,462,812		156:	2,462,059		82.1:	2,462,703		648:	2,462,345
	154:	2,462,288	251—	119:	2,462,189		84.3:	2,462,742			2,462,654
244—	3:	2,462,462		132:	2,462,646		85.7:	2,462,817		653:	2,462,359
	13:	2,462,578		144:	2,462,291		86.1:	2,462,400			2,462,402
	60:	2,462,201	252—	49.6:	2,462,616		88.1:	2,462,555		671:	2,462,792
		2,462,824		52:	2,462,426		89.1:	2,462,354			2,462,793
	113:	2,462,459		75:	2,462,694		91.5:	2,462,347		683.15:	2,462,360
	151:	2,462,234		100:	2,462,341		94.9:	2,462,578		683.4:	2,462,384
246—	63:	2,462,454		161:	2,462,758			2,462,680	261—	19:	2,462,355
248—	4:	2,462,272		187:	2,462,194		96:	2,462,564		41:	2,462,695
	42:	2,462,442		301.1:	2,462,241		152:	2,462,406		51:	2,462,696
	51:	2,462,464		301.4:	2,462,547		197:	2,462,175	263—	11:	2,462,259
	104:	2,462,187		301.6:	2,462,517		234:	2,462,210		21:	2,462,366
	117.7:	2,462,319		321:	Re 23,085		284:	2,462,782	265—	43:	2,462,216
	129:	2,462,274		411:	2,462,739		320:	2,462,697	266—	37:	2,462,753
	265:	2,462,344		448:	2,462,798		338:	2,462,737	267—	1:	2,462,316
	271:	2,462,525		451:	2,462,236		342.6:	2,462,444			2,462,363
	311:	2,462,375	254—	28:	2,462,250		344:	2,462,357	271—	45:	2,462,439
	346:	2,462,522		77:	2,462,318		344.5:	2,462,251	272—	53:	2,462,648
	351:	2,462,562		131:	2,462,509		345:	2,462,407	273—	3:	2,462,526
249—	63:	2,462,286		133:	2,462,418		397.3:	2,462,133		35:	2,462,420
250—	2:	2,462,343		134:	2,462,506		404.5:	2,462,358			2,462,507
	17:	2,462,009		173:	2,462,484		413:	2,462,200		42:	2,462,543
		2,462,181		187:	2,462,747		448.2:	2,462,267		80:	2,462,754
		2,462,443	255—	28:	2,462,477			2,462,636		90:	2,462,170

273—	128:	2,462,436	308—	5:	2,462,659	2,462,065:	105—56	2,462,155:	5—334	2,462,318:	254—77
	145:	2,462,686	309—	2:	2,462,139	2,462,066:	75—125	2,462,165:	2—60.5	2,462,319:	248—117.7
277—	70:	2,462,605		12:	2,462,530	2,462,069:	260—156	2,462,169:	226—1	2,462,322:	321—69
279—	2:	2,462,465		14:	2,462,567	2,462,071:	332—14	2,462,175:	260—197	2,462,324:	36—51
	4:	2,462,155		23:	2,462,586	2,462,085:	315—6	2,462,185:	117—73	2,462,327:	77—6
		2,462,284			2,462,596	2,462,088:	250—83.6	2,462,198:	236—93	2,462,335:	315—73
	45:	2,462,501	311—	89:	2,462,677	2,462,092:	123—48	2,462,200:	260—413	2,462,336:	315—105
280—	1.10:	2,462,814	312—	39:	2,462,816	2,462,093:	332—38	2,462,245:	315—9	2,462,344:	248—253
	11.35:	2,462,281		48:	2,462,394	2,462,096:	211—1	2,462,261:	242—70	2,462,347:	260—91.5
	33.05:	2,462,211		84:	2,462,298	2,462,116:	73—46	2,462,270:	250—51	2,462,349:	99—288
	33.44:	2,462,736		195:	2,462,743	2,462,117:	177—351	2,462,277:	23—201	2,462,351:	250—51
	179:	2,462,459	315—	3:	2,462,367	2,462,122:	148—12.4	2,462,284:	279—4	2,462,352:	260—45.8
	277:	2,462,711		5:	2,462,066	2,462,123:	260—45.9	2,462,286:	249—63	2,462,354:	260—89.1
	303:	2,462,769			2,462,087	2,462,137:	315—40	2,462,291:	251—144	2,462,360:	260—683.15
283—	7:	2,462,735		6:	2,462,085	2,462,141:	24—221	2,462,306:	315—100	2,462,367:	315—3
284—	18:	2,462,812			2,462,496	2,462,148:	219—19	2,462,309:	160—327	2,462,373:	248—311
285—	6.5:	2,462,575			2,462,510						
		2,462,818		40:	2,462,137						
	10:	2,462,734			2,462,698						
	86:	2,462,323		73:	2,462,335						
	90:	2,462,592		98:	2,462,320						
	115:	2,462,348			2,462,328						
	168:	2,462,540		100:	2,462,306						
	197:	2,462,721		105:	2,462,336						
286—	11:	2,462,067		276:	2,462,371						
		2,462,280	316—	9:	2,462,245						
287—	53:	2,462,476	318—	6:	2,462,171						
	60:	2,462,382		7:	2,462,233						
	117:	2,462,227		18:	2,462,134						
	119:	2,462,164			2,462,456						
288—	27:	2,462,762		19:	2,462,061						
290—	4:	2,462,546		30:	2,462,238						
291—	34:	2,462,584		71:	2,462,203						
292—	113:	2,462,282		225:	2,462,184						
	155:	2,462,434		229:	2,462,751						
	282:	2,462,523		259:	2,462,120						
294—	25:	2,462,208		263:	2,462,249						
	67:	2,462,691	321—	60:	2,462,322						
296—	97:	2,462,304	323—	75:	2,462,599						
	107:	2,462,667	332—	14:	2,462,071						
298—	3:	2,462,424		24:	2,462,417						
299—	84:	2,462,752		38:	2,462,093						
	88:	2,462,563	343—	18:	2,462,102						
	140:	2,462,262		105:	2,462,764						
	140.1:	2,462,419		112:	2,462,077						
303—	88:	2,462,614		120:	2,462,188						
304—	2:	2,462,429	346—	74:	2,462,145						
305—	10:	2,462,643									
306—	32:	2,462,427									

This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,462,065:	105—56	2,462,155:	5—334	2,462,318:	254—77	2,462,385:	72—71	2,462,512:	284—18	2,462,656:	260—45.3
2,462,066:	75—125	2,462,165:	2—60.5	2,462,319:	248—117.7	2,462,391:	196—81	2,462,523:	292—282	2,462,678:	260—94.9
2,462,069:	260—156	2,462,169:	226—1	2,462,322:	321—69	2,462,399:	138—77	2,462,542:	241—60	2,462,680:	260—94.9
2,462,071:	332—14	2,462,175:	260—197	2,462,324:	36—51	2,462,400:	260—86.1	2,462,555:	260—88.1	2,462,684:	260—45.9
2,462,085:	315—6	2,462,185:	117—73	2,462,327:	77—6	2,462,405:	260—162	2,462,572:	260—79.5	2,462,696:	315—40
2,462,088:	250—83.6	2,462,198:	236—93	2,462,335:	315—73	2,462,413:	260—45.7	2,462,575:	265—6.5	2,462,701:	30—123
2,462,092:	123—48	2,462,200:	260—413	2,462,336:	315—105	2,462,415:	72—40	2,462,591:	260—17.4	2,462,703:	260—82.1
2,462,093:	332—38	2,462,245:	315—9	2,462,344:	248—253	2,462,425:	63—3	2,462,594:	171—97	2,462,730:	204—162
2,462,096:	211—1	2,462,261:	242—70	2,462,347:	260—91.5	2,462,440:	67—23	2,462,608:	260—45.95	2,462,731:	138—89
2,462,116:	73—46	2,462,270:	250—51	2,462,349:	99—288	2,462,448:	260—598	2,462,609:	260—45.95	2,462,734:	285—10
2,462,117:	177—351	2,462,277:	23—201	2,462,351:	250—51	2,462,486:	21—71	2,462,613:	178—33	2,462,740:	210—140
2,462,122:	148—12.4	2,462,284:	279—4	2,462,352:	260—45.8	2,462,488:	210—169	2,462,622:	248—346	2,462,742:	260—84.3
2,462,123:	260—45.9	2,462,286:	249—63	2,462,354:	260—89.1	2,462,490:	175—296	2,462,637:	51—203	2,462,772:	44—45
2,462,137:	315—40	2,462,291:	251—144	2,462,360:	260—683.15	2,462,491:	175—298	2,462,647:	74—417	2,462,773:	44—44
2,462,141:	24—221	2,462,306:	315—100	2,462,367:	315—3	2,462,502:	35—73	2,462,651:	175—356	2,462,789:	206—73
2,462,148:	219—19	2,462,309:	160—327	2,462,373:	248—311			2,462,655:	177—311.5	2,462,798:	252—448

Classification of Designs

D 1—12:	Des. 152,778	D16— 2:	Des. 152,812	D42— 7:	Des. 152,808	D45—16:	Des. 152,798	D52— 1:	Des. 152,838	D62— 4:	Des. 152,778
D 2— 3:	Des. 152,772	D17—10:	Des. 152,766	D44— 1:	Des. 152,825		Des. 152,799	3:	Des. 152,816	D64—12:	Des. 152,827
D 3— 4:	Des. 152,770		Des. 152,779	26:	Des. 152,773		Des. 152,800		Des. 152,817	D74— 1:	Des. 152,788
13:	Des. 152,836	D21— 6:	Des. 152,818	D45— 1:	Des. 152,901	19:	Des. 152,783	4:	Des. 152,848	17:	Des. 152,847
16:	Des. 152,803	D26—13:	Des. 152,782	4:	Des. 152,774		Des. 152,823	10:	Des. 152,810	D78— 1:	Des. 152,909
17:	Des. 152,830	14:	Des. 152,771		Des. 152,775		Des. 152,824		Des. 152,811	D80— 9:	Des. 152,777
D 7— 7:	Des. 152,833	D33— 1:	Des. 152,802	16:	Des. 152,789		Des. 152,845	D54—13:	Des. 152,781	D81— 2:	Des. 152,789
D 9— 2:	Des. 152,763	14:	Des. 152,784		Des. 152,790		Des. 152,846		Des. 152,822	10:	Des. 152,813
	Des. 152,843	D34— 4:	Des. 152,842		Des. 152,791	D48— 2:	Des. 152,804	D56— 4:	Des. 152,839		Des. 152,841
D10— 8:	Des. 152,839	5:	Des. 152,821		Des. 152,792		Des. 152,808		Des. 152,840	D86—10:	Des. 152,844
D13— 1:	Des. 152,835	15:	Des. 152,767		Des. 152,793	20:	Des. 152,806	D57— 1:	Des. 152,828	D89— 1:	Des. 152,764
D14— 3:	Des. 152,819		Des. 152,785		Des. 152,794	32:	Des. 152,807	D58— 6:	Des. 152,820		
D15— 1:	Des. 152,837		Des. 152,815		Des. 152,795	D49— 1:	Des. 152,768	12:	Des. 152,765		
8:	Des. 152,832	D35— 3:	Des. 152,826		Des. 152,796		Des. 152,780	13:	Des. 152,814		
D16— 2:	Des. 152,787	D36— 3:	Des. 152,831		Des. 152,797	6:	Des. 152,786	16:	Des. 152,834		

U. S. GOVERNMENT PRINTING OFFICE: 1949

ROLL NO 1

OFFICIAL GAZETTE

U S PAT OFF

JAN - FEB

1949

MICROFILMED
BY
MICRO PHOTO
SERVICE BUREAU
CLEVELAND 3, OHIO